

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
 Data File : BM020391.D
 Acq On : 18 May 2019 08:10
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.728	801	806	818	rVV	314657	521587	2.95%	0.251%
2	9.916	1172	1178	1182	rBV3	225634	459834	2.60%	0.222%
3	10.469	1266	1272	1276	rBV	421846	668277	3.78%	0.322%
4	10.522	1276	1281	1285	rVV	402002	693149	3.92%	0.334%
5	10.575	1285	1290	1295	rVB	938850	1543510	8.74%	0.744%
6	11.516	1445	1450	1454	rBV	281737	457618	2.59%	0.221%
7	11.927	1513	1520	1526	rBV	1081806	1671965	9.47%	0.806%
8	12.198	1559	1566	1572	rVB	6258495	9611412	54.41%	4.633%
9	12.416	1593	1603	1612	rVB	4123563	6584064	37.27%	3.174%
10	12.886	1678	1683	1688	rVV	464426	640491	3.63%	0.309%
11	13.186	1726	1734	1742	rBV	1661595	2665588	15.09%	1.285%
12	13.404	1766	1771	1784	rVB	809096	1665424	9.43%	0.803%
13	13.539	1787	1794	1796	rBV	2404036	4023672	22.78%	1.940%
14	13.704	1815	1822	1827	rBV	3181304	5958259	33.73%	2.872%
15	13.757	1827	1831	1838	rVB	2129779	2971193	16.82%	1.432%
16	13.839	1838	1845	1849	rVB2	1311045	2126103	12.04%	1.025%
17	13.939	1857	1862	1865	rBV	1463131	2183968	12.36%	1.053%
18	14.104	1885	1890	1898	rVB	3164252	4823567	27.31%	2.325%
19	14.263	1911	1917	1925	rBV	1951561	2653299	15.02%	1.279%
20	14.380	1925	1937	1942	rBV3	763447	1648399	9.33%	0.795%
21	14.445	1942	1948	1955	rBV3	621795	1223427	6.93%	0.590%
22	14.586	1966	1972	1981	rVB	590918	1367903	7.74%	0.659%
23	14.780	1997	2005	2010	rBV2	1499852	2577988	14.59%	1.243%
24	14.857	2013	2018	2021	rBV	881825	1273738	7.21%	0.614%
25	14.986	2035	2040	2046	rVV3	799614	1557585	8.82%	0.751%
26	15.051	2046	2051	2055	rVB	721044	942599	5.34%	0.454%
27	15.168	2063	2071	2074	rBV3	490252	1155437	6.54%	0.557%
28	15.215	2074	2079	2083	rVV2	1725723	2077775	11.76%	1.002%
29	15.257	2083	2086	2091	rVB	670441	869507	4.92%	0.419%
30	15.310	2091	2095	2098	rBV3	276291	449037	2.54%	0.216%
31	15.374	2104	2106	2110	rVB	468818	561672	3.18%	0.271%
32	15.439	2110	2117	2127	rVB	2838711	5299195	30.00%	2.554%
33	15.621	2140	2148	2159	rVV4	591377	1621744	9.18%	0.782%
34	15.721	2160	2165	2171	rVV	627072	1019415	5.77%	0.491%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
 Data File : BM020391.D
 Acq On : 18 May 2019 08:10
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Title : SVOA CALIBRATION

35	15.839	2181	2185	2187	rBV2	323931	426456	2.41%	0.206%
36	15.874	2187	2191	2198	rVB	517972	959384	5.43%	0.462%
37	16.080	2221	2226	2235	rBV2	1830870	3939491	22.30%	1.899%
38	16.433	2279	2286	2291	rBV2	840940	1889913	10.70%	0.911%
39	16.486	2291	2295	2300	rVB2	849887	1170925	6.63%	0.564%
40	16.586	2307	2312	2317	rVB	601723	819726	4.64%	0.395%
41	16.657	2317	2324	2327	rBV5	313291	664450	3.76%	0.320%
42	16.792	2343	2347	2351	rVV2	364597	518815	2.94%	0.250%
43	16.874	2355	2361	2365	rVV2	1636615	2162685	12.24%	1.042%
44	16.921	2365	2369	2371	rVV	507829	744256	4.21%	0.359%
45	16.951	2371	2374	2381	rVB	896042	1308503	7.41%	0.631%
46	17.133	2399	2405	2408	rBV	783320	1280497	7.25%	0.617%
47	17.186	2408	2414	2420	rVB	11628429	17664356	100.00%	8.515%
48	17.268	2423	2428	2432	rBV	2195998	2776288	15.72%	1.338%
49	17.533	2468	2473	2477	rBV5	234095	485165	2.75%	0.234%
50	17.609	2482	2486	2490	rVV	1244415	1602383	9.07%	0.772%
51	17.651	2490	2493	2497	rVV	362538	482407	2.73%	0.233%
52	17.715	2499	2504	2510	rVB3	474851	752659	4.26%	0.363%
53	18.009	2549	2554	2558	rBV	2447384	3425486	19.39%	1.651%
54	18.056	2558	2562	2568	rVB	2717588	3802582	21.53%	1.833%
55	18.139	2571	2576	2581	rVV	820562	1210904	6.86%	0.584%
56	18.203	2581	2587	2591	rVV2	2461340	4701369	26.62%	2.266%
57	18.239	2591	2593	2600	rVB	1396162	1789257	10.13%	0.862%
58	18.309	2600	2605	2611	rBV2	927518	1246170	7.05%	0.601%
59	18.509	2634	2639	2643	rBV	959417	1331382	7.54%	0.642%
60	18.562	2644	2648	2653	rVV	337024	457214	2.59%	0.220%
61	18.756	2677	2681	2686	rVV2	440325	755076	4.27%	0.364%
62	18.803	2686	2689	2693	rVV	427445	538946	3.05%	0.260%
63	18.933	2705	2711	2716	rBV2	1251322	2587223	14.65%	1.247%
64	18.992	2716	2721	2724	rVV3	574243	1174114	6.65%	0.566%
65	19.021	2724	2726	2730	rVB	446744	475525	2.69%	0.229%
66	19.080	2730	2736	2748	rVB3	737350	1721372	9.74%	0.830%
67	19.203	2750	2757	2762	rBV	6129950	8324120	47.12%	4.012%
68	19.350	2777	2782	2787	rBV	1049786	1436736	8.13%	0.693%
69	19.527	2808	2812	2814	rBV2	1091068	1435557	8.13%	0.692%
70	19.568	2814	2819	2825	rVV	8178560	11291666	63.92%	5.443%
71	19.633	2826	2830	2836	rVB3	408710	646765	3.66%	0.312%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
 Data File : BM020391.D
 Acq On : 18 May 2019 08:10
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Title : SVOA CALIBRATION

72	19.880	2867	2872	2881	rVB3	680681	1630548	9.23%	0.786%
73	20.021	2890	2896	2897	rBV2	613500	888517	5.03%	0.428%
74	20.056	2899	2902	2908	rVB	1732156	2173330	12.30%	1.048%
75	20.156	2915	2919	2923	rBV	807322	1026358	5.81%	0.495%
76	20.215	2923	2929	2933	rVV2	1003950	1422053	8.05%	0.685%
77	20.356	2948	2953	2956	rBV	820993	1091536	6.18%	0.526%
78	20.397	2956	2960	2971	rVB	872346	1462661	8.28%	0.705%
79	20.803	3026	3029	3035	rVB	543149	789543	4.47%	0.381%
80	20.968	3054	3057	3061	rBV3	349021	438998	2.49%	0.212%
81	21.009	3061	3064	3068	rVV2	677249	927132	5.25%	0.447%
82	21.044	3068	3070	3075	rVV2	452600	574538	3.25%	0.277%
83	21.103	3078	3080	3090	rVB	422729	577153	3.27%	0.278%
84	21.315	3110	3116	3121	rBV2	3519478	6424712	36.37%	3.097%
85	21.362	3121	3124	3129	rVB	2711840	3550170	20.10%	1.711%
86	21.533	3150	3153	3158	rBV	401519	497161	2.81%	0.240%
87	21.874	3205	3211	3217	rVV	880589	1779510	10.07%	0.858%
88	21.927	3217	3220	3225	rVB	455551	625130	3.54%	0.301%
89	22.074	3241	3245	3248	rBV2	392693	543991	3.08%	0.262%
90	22.180	3260	3263	3271	rVB3	273208	432685	2.45%	0.209%
91	22.644	3338	3342	3353	rVB4	260388	606119	3.43%	0.292%
92	22.915	3382	3388	3393	rBV	1594902	3797978	21.50%	1.831%
93	23.086	3412	3417	3423	rBV	556298	909167	5.15%	0.438%
94	23.403	3465	3471	3481	rVB	1112817	2126757	12.04%	1.025%
95	23.503	3481	3488	3494	rVB	1930400	3477349	19.69%	1.676%
96	23.597	3499	3504	3508	rVV	571176	1125421	6.37%	0.542%
97	23.650	3509	3513	3519	rVB2	455656	853858	4.83%	0.412%
98	24.474	3650	3653	3666	rVB2	192707	470142	2.66%	0.227%
99	25.897	3887	3895	3907	rVB2	726547	2164992	12.26%	1.044%
100	26.609	4008	4016	4026	rVB	502976	1503150	8.51%	0.725%

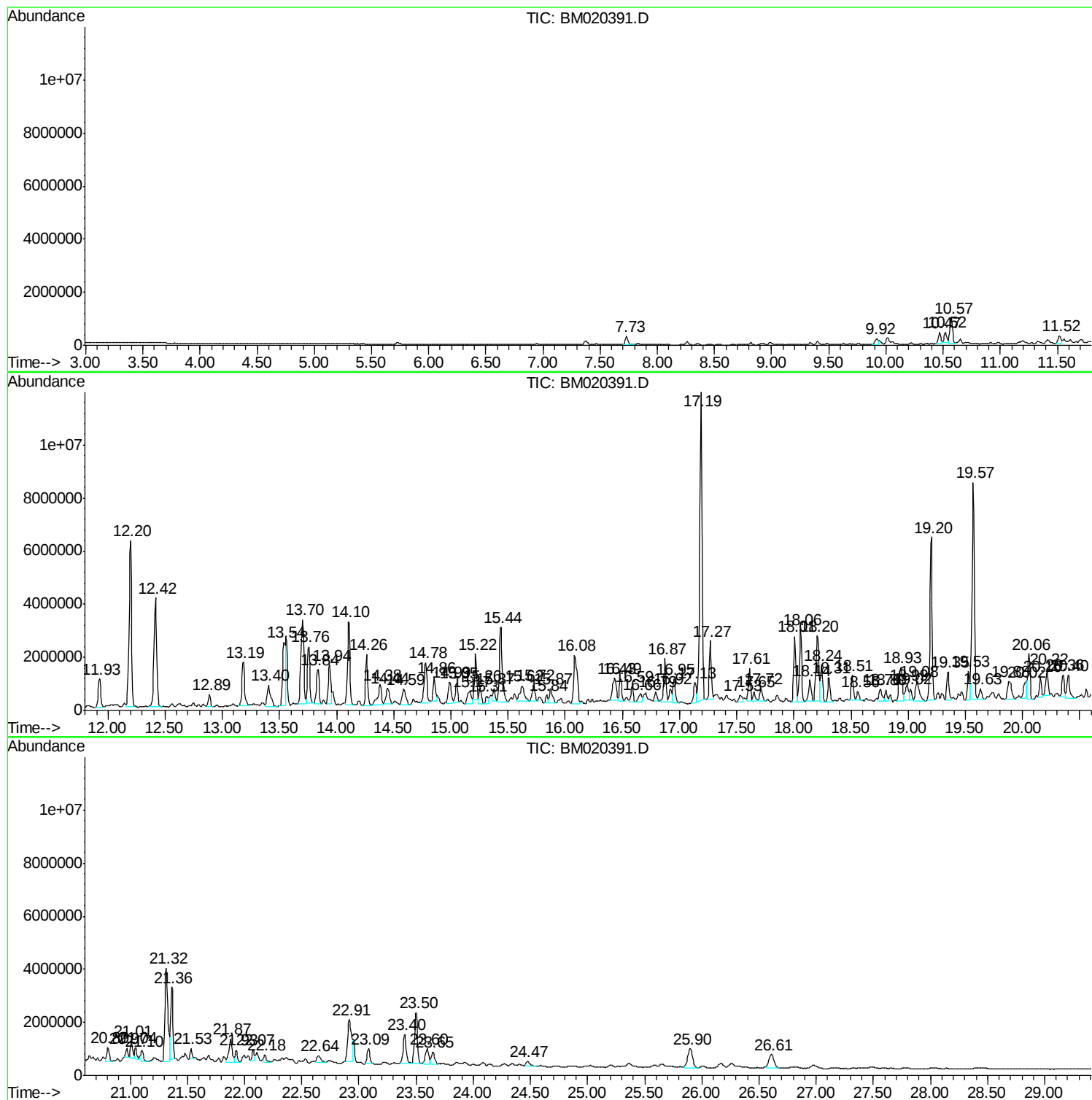
Sum of corrected areas: 207458883

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

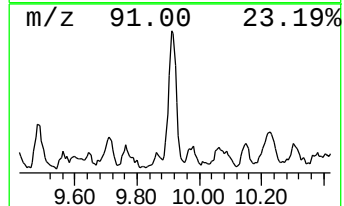
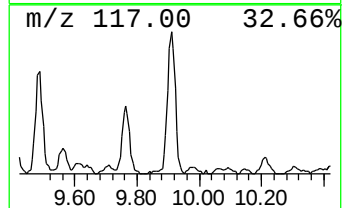
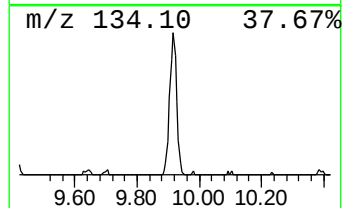
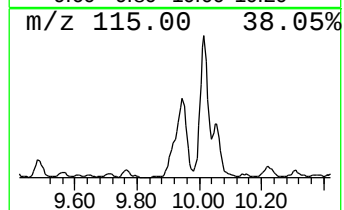
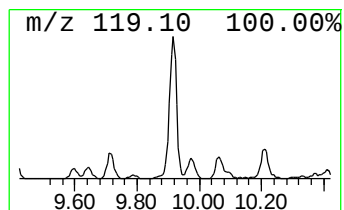
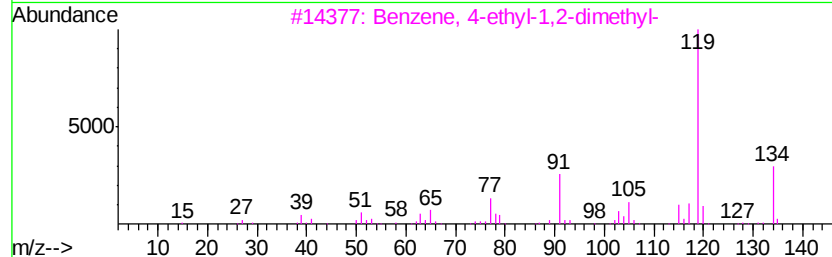
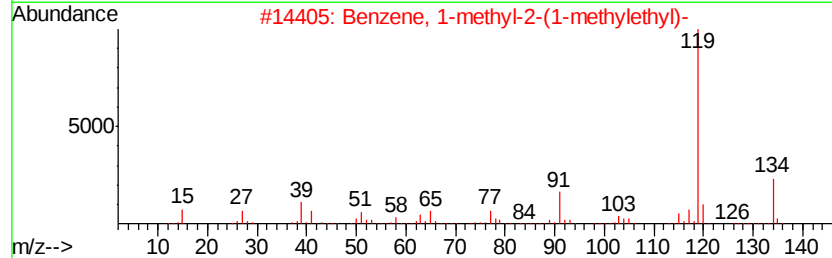
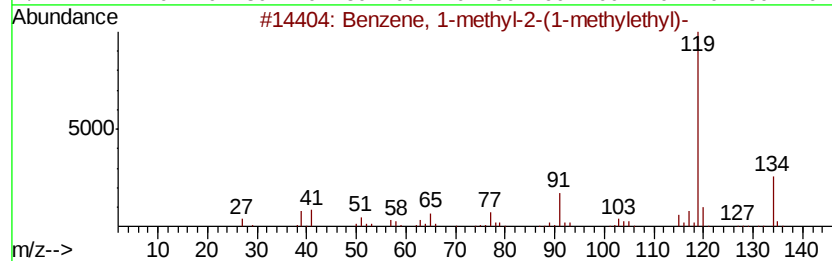
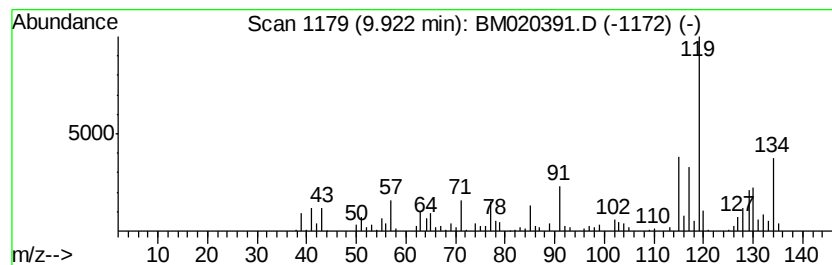
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzene, 1-methyl-2-(1-meth... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	13.27 ng/ul	459834	Napthalene-d8	10.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	60
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

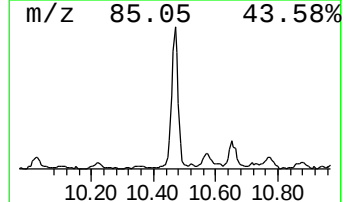
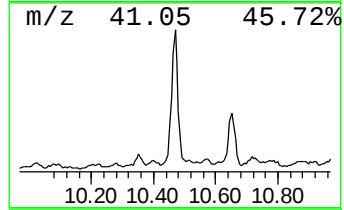
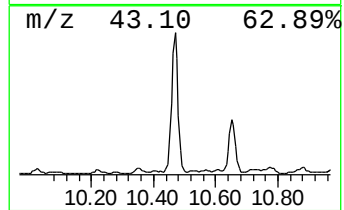
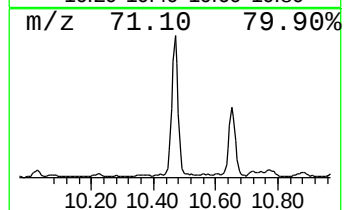
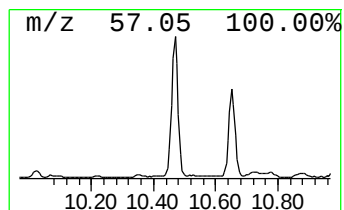
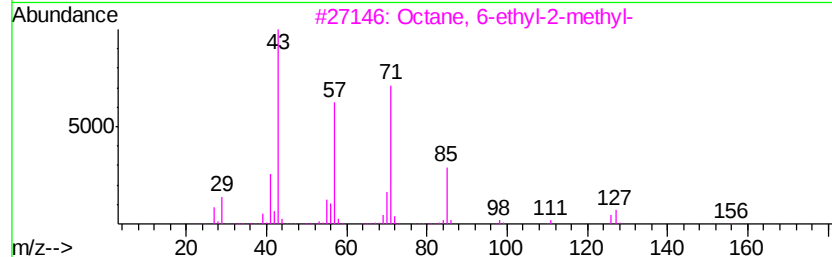
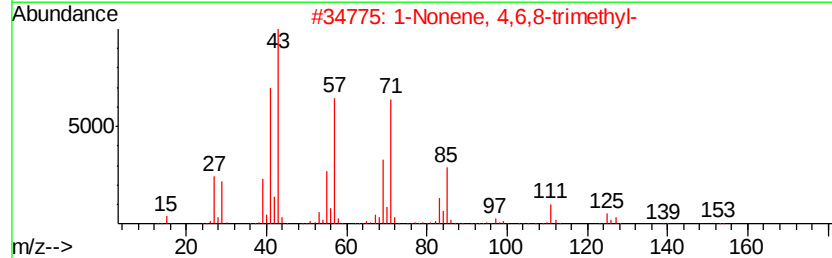
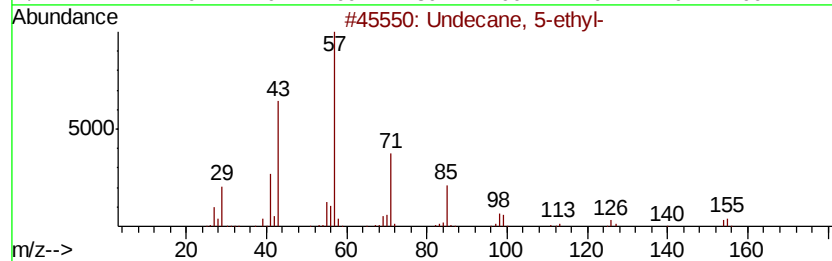
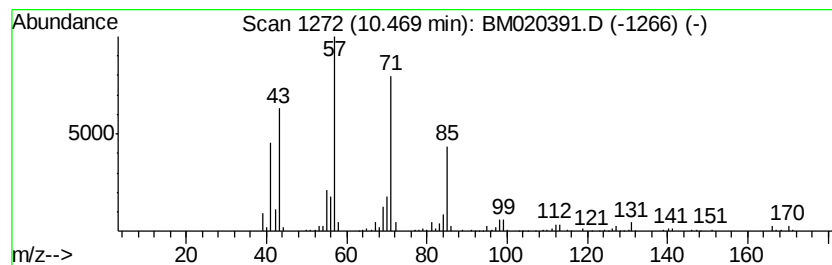
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	19.28 ng/ul	668277	Naphthalene-d8	10.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	72
2		1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	72
3		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
5		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

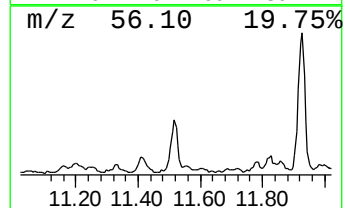
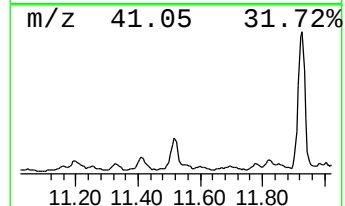
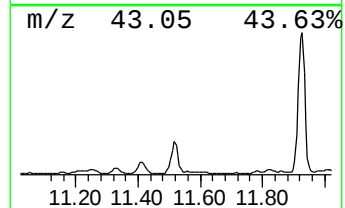
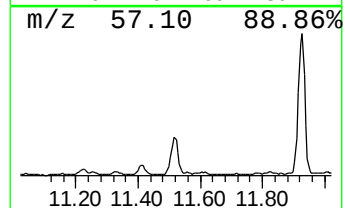
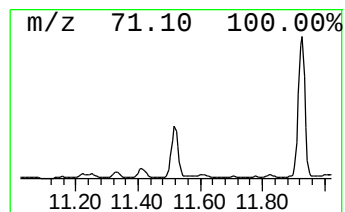
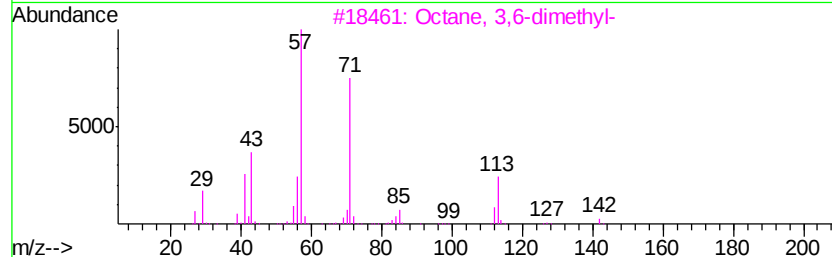
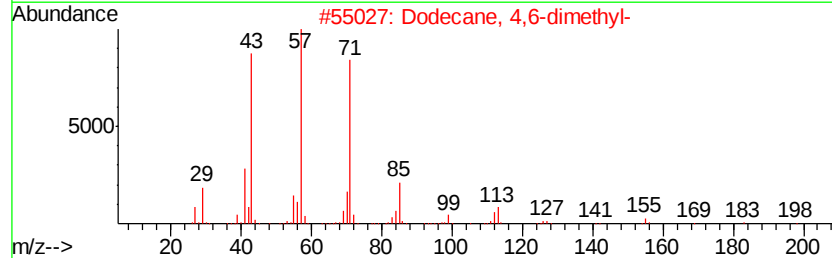
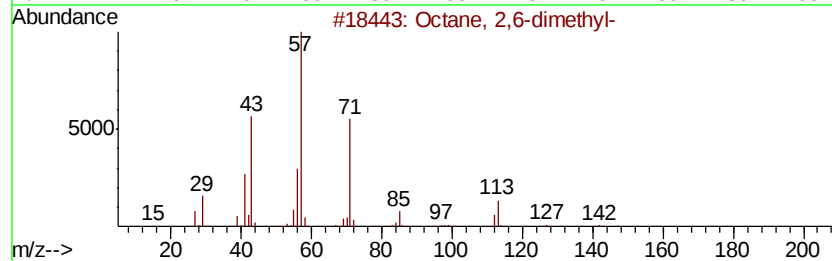
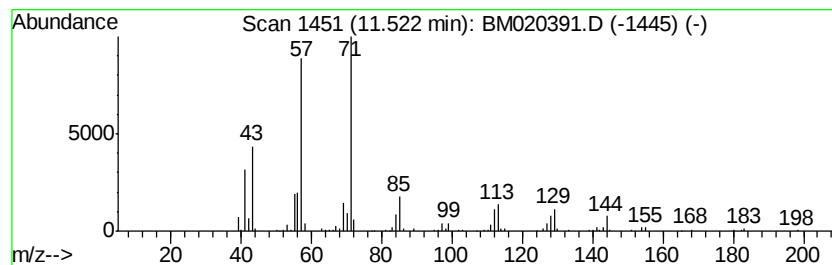
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	13.20 ng/ul	457618	Napthalene-d8	10.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
4		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
5		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

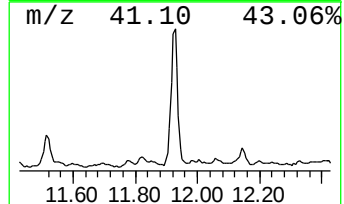
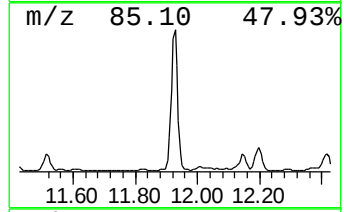
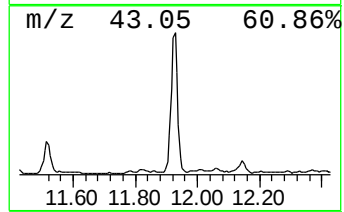
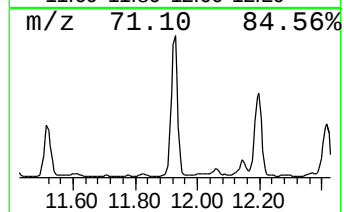
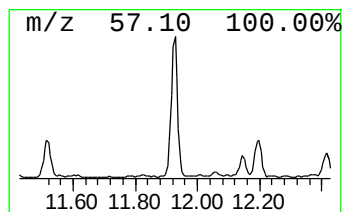
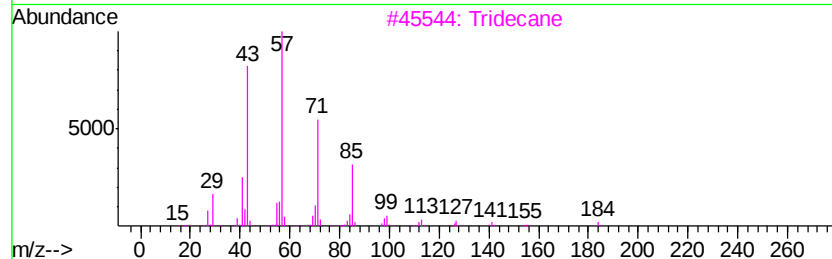
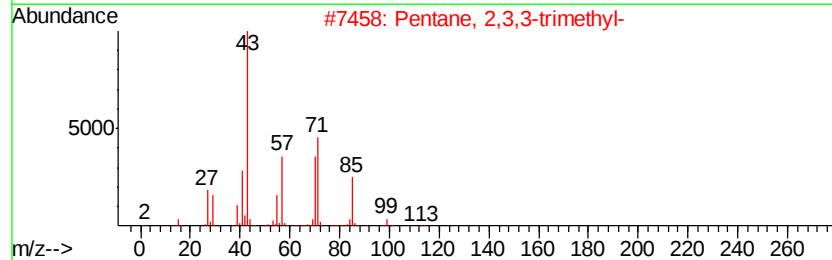
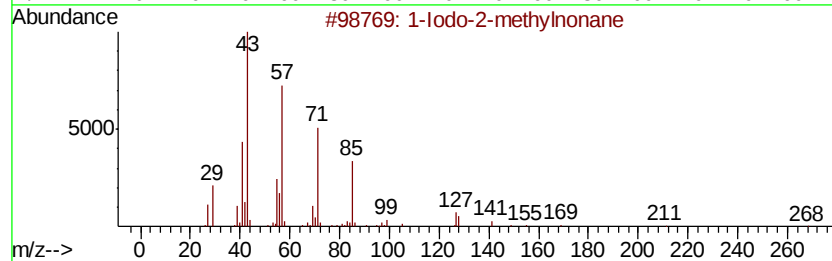
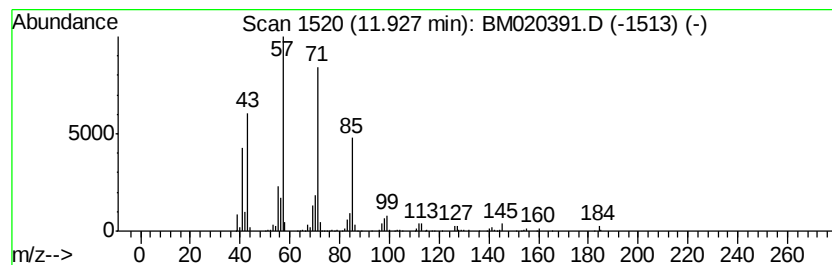
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1-Iodo-2-methylnonane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	48.24 ng/ul	1671970	Naphthalene-d8	10.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
2			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
3			Tridecane	184	C13H28	000629-50-5	60
4			Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
5			Tridecane	184	C13H28	000629-50-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

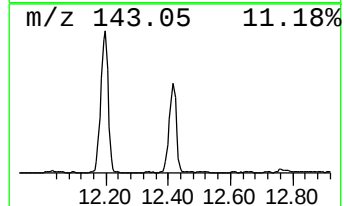
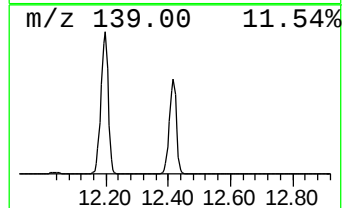
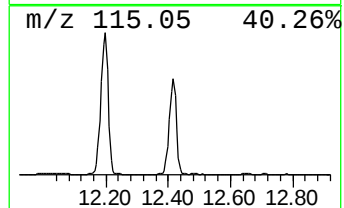
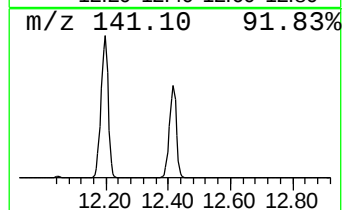
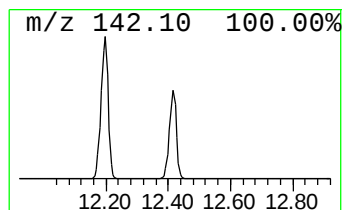
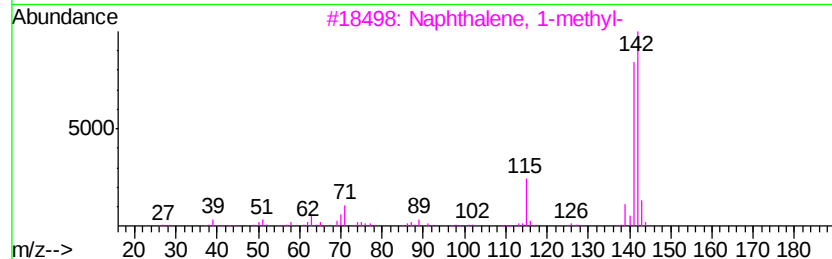
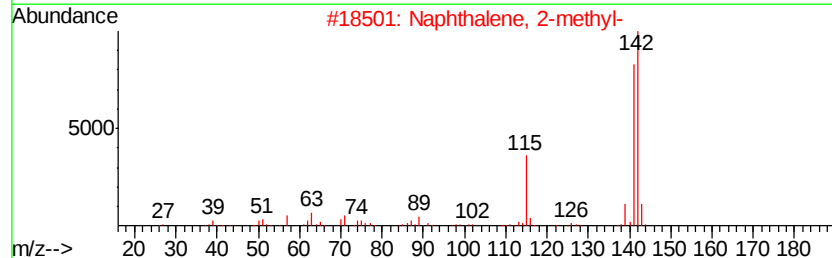
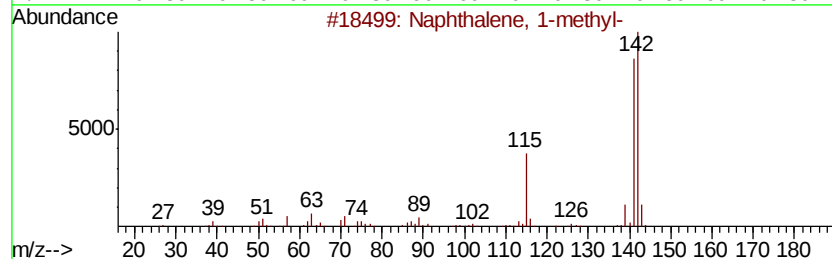
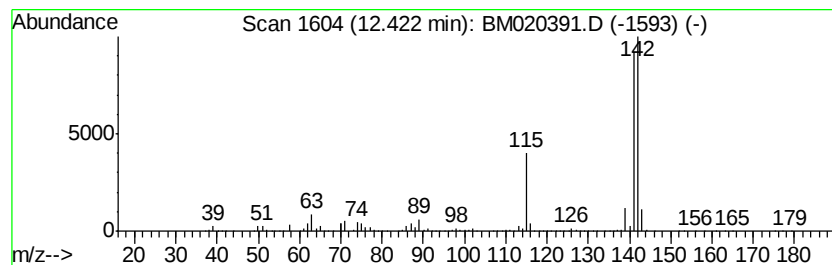
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	189.98 ng/ul	6584060	Naphthalene-d8	10.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

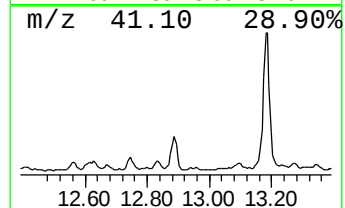
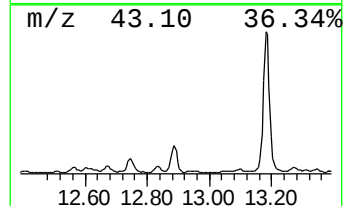
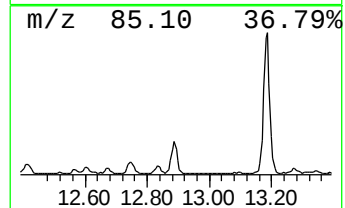
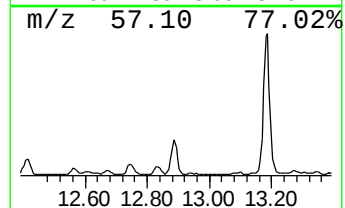
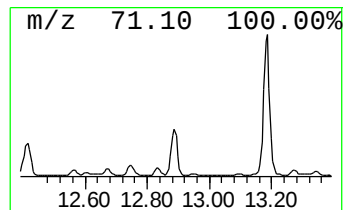
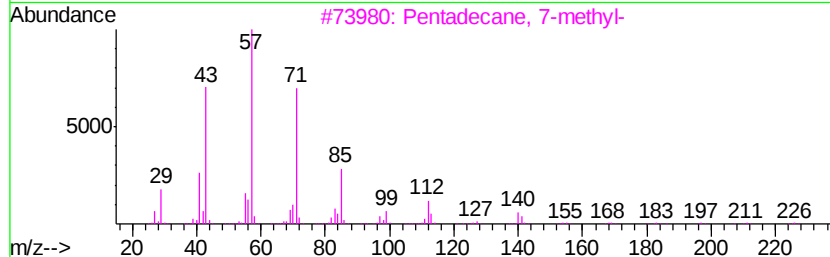
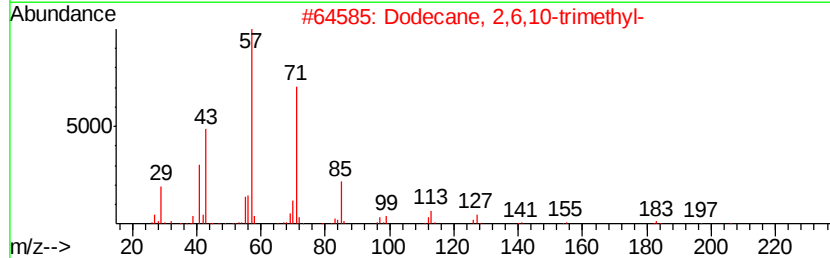
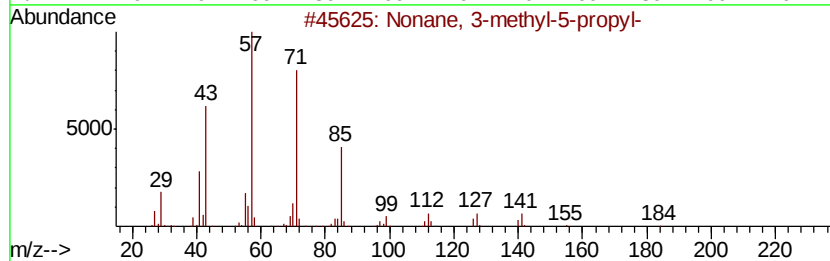
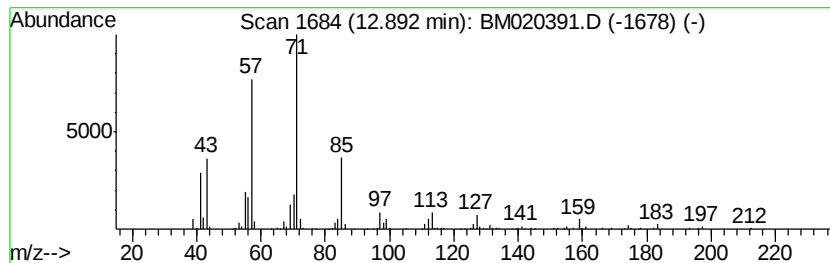
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	7.77 ng/ul	640491	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
3		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59
4		Decane, 5-propyl-	184	C13H28	017312-62-8	52
5		Pentadecane, 6-methyl-	226	C16H34	010105-38-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

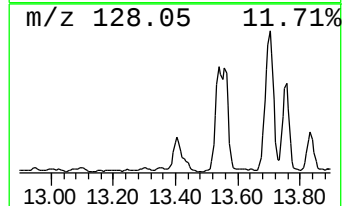
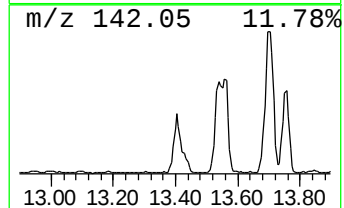
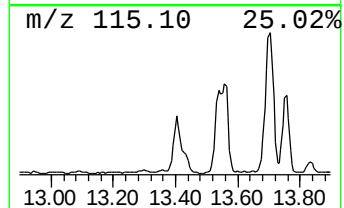
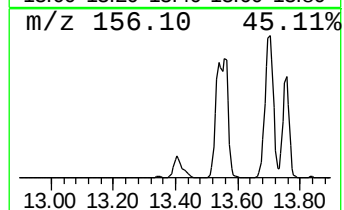
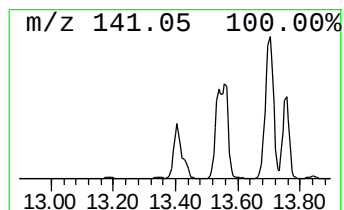
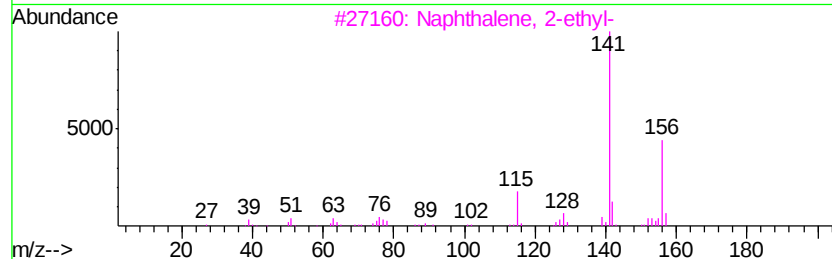
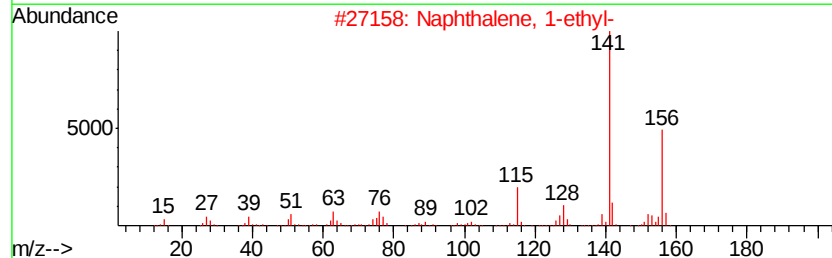
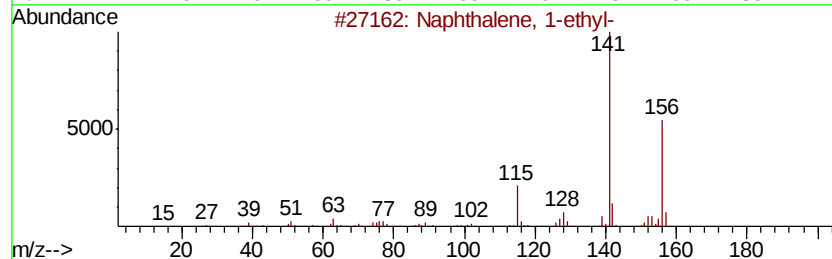
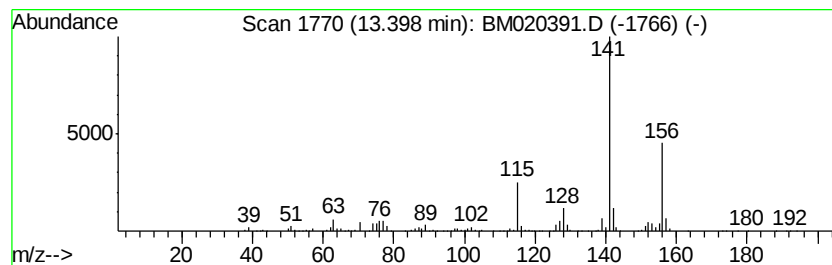
Instrument :
BNA_M
ClientSampleId :
GAJ78

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	20.21 ng/ul	1665420	Acenaphthene-d10	14.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 96
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
3		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
4		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
5		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

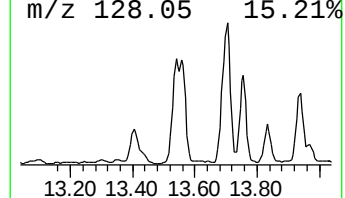
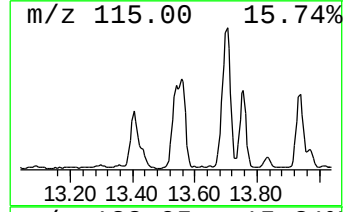
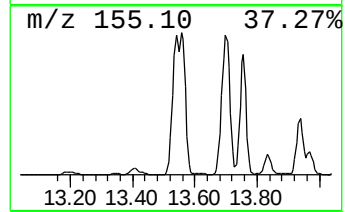
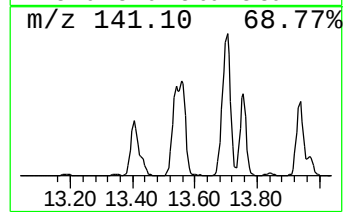
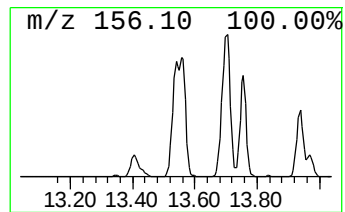
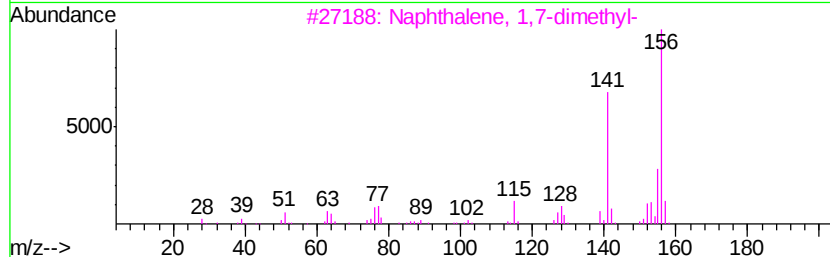
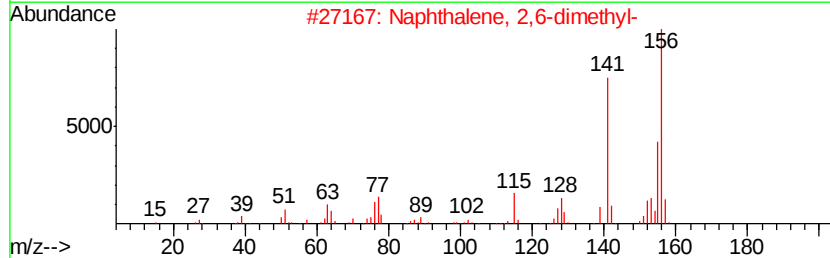
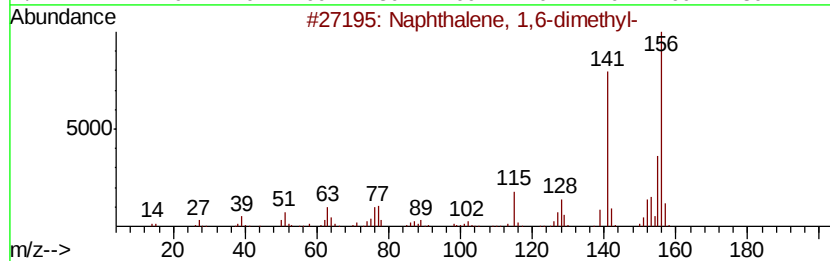
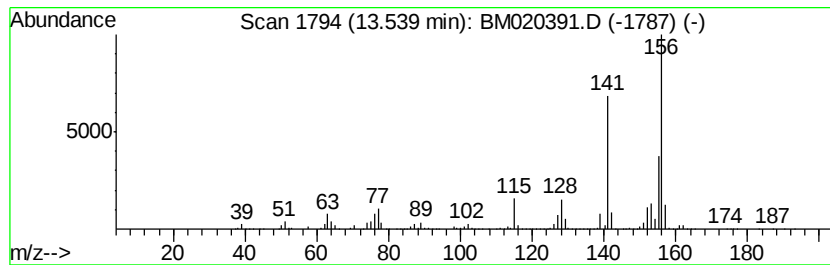
Instrument :
BNA_M
ClientSampleId :
GAJ78

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	48.82 ng/ul	4023670	Acenaphthene-d10	14.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
2		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

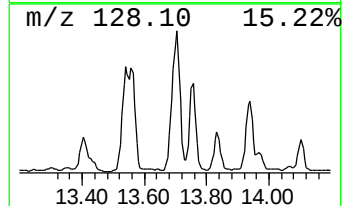
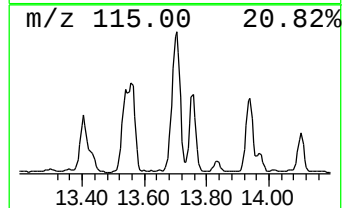
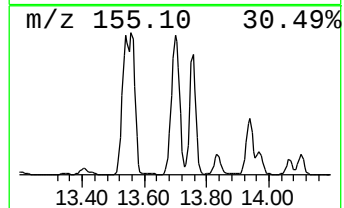
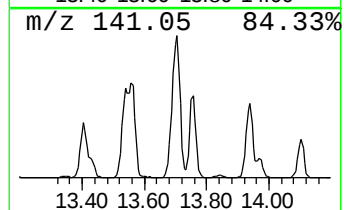
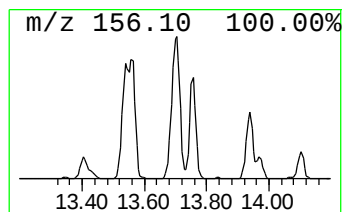
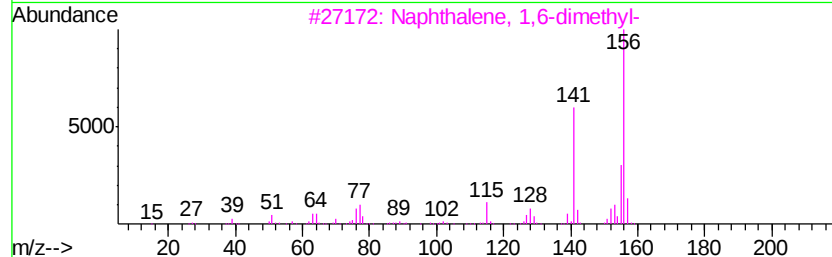
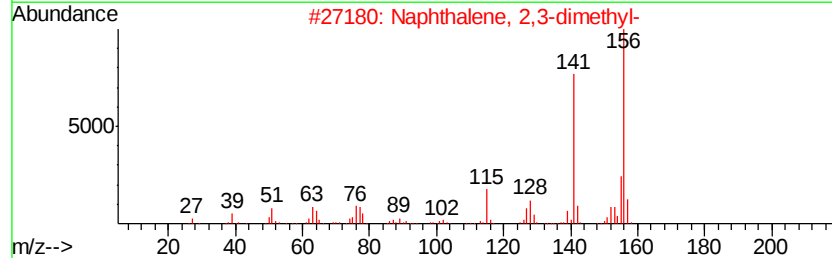
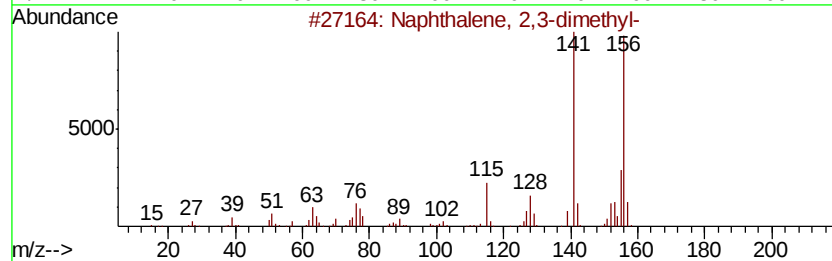
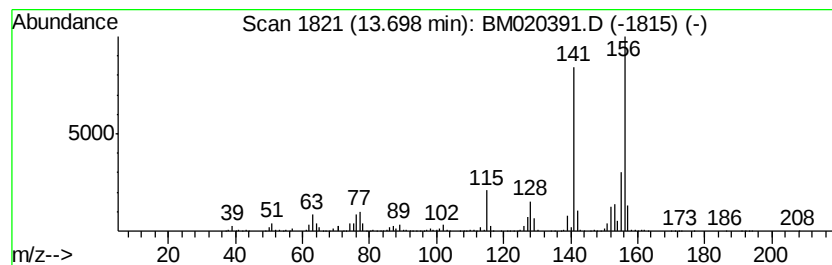
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	72.29 ng/ul	5958260	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

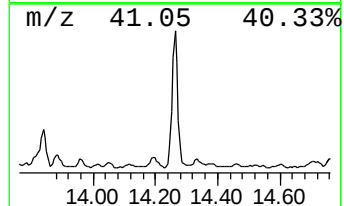
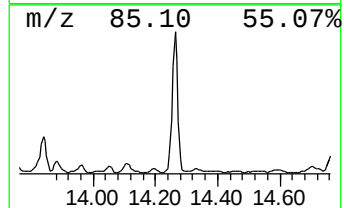
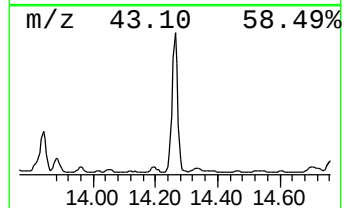
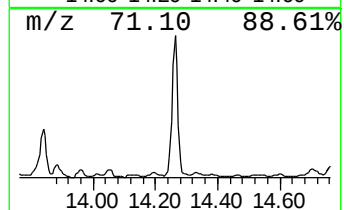
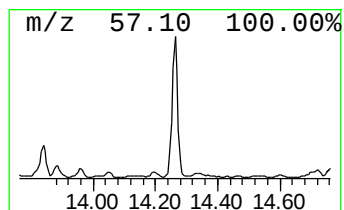
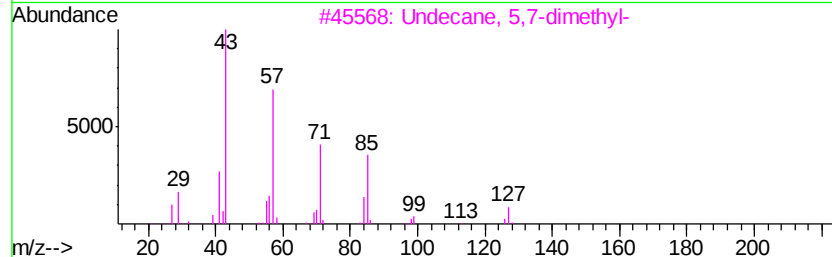
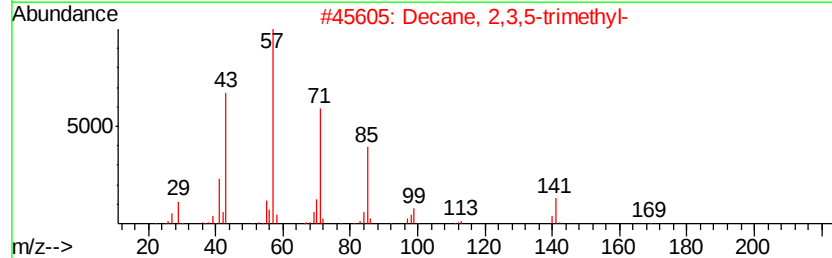
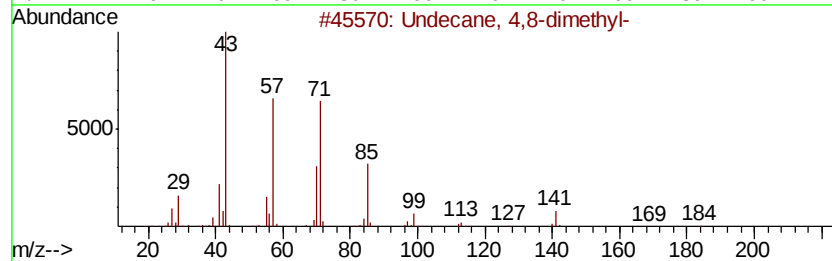
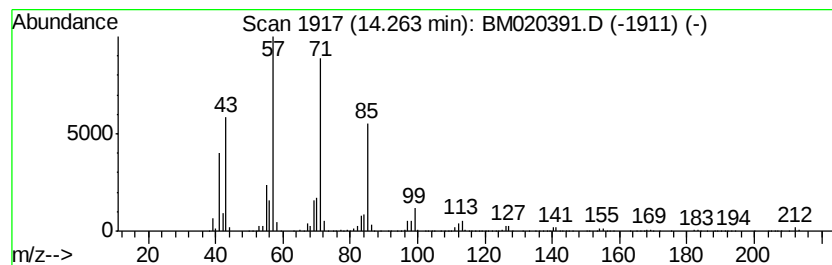
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	32.19 ng/ul	2653300	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	83
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
4		Pentadecane	212	C15H32	000629-62-9	55
5		Eicosane	282	C20H42	000112-95-8	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

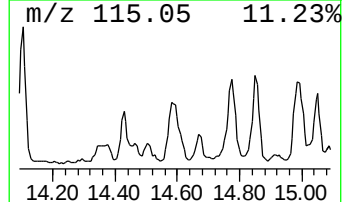
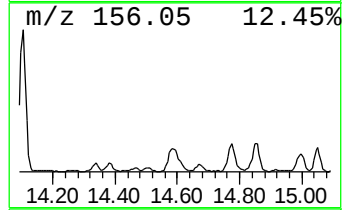
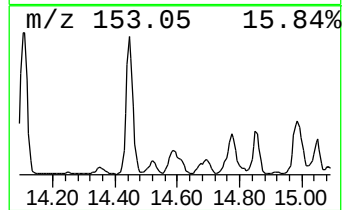
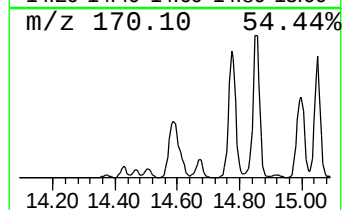
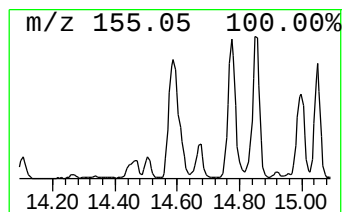
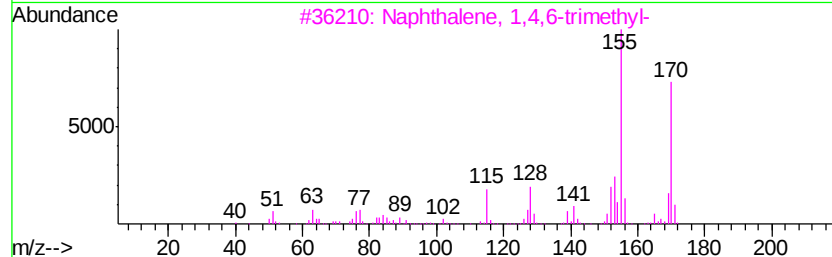
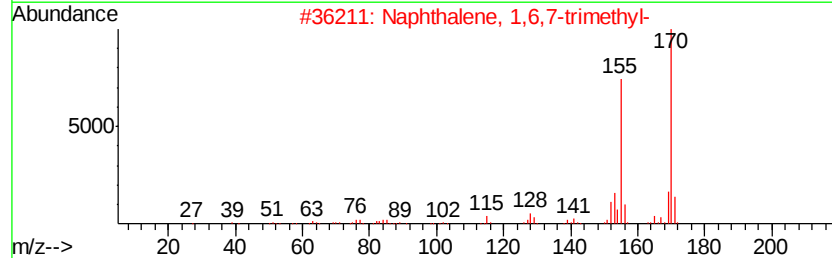
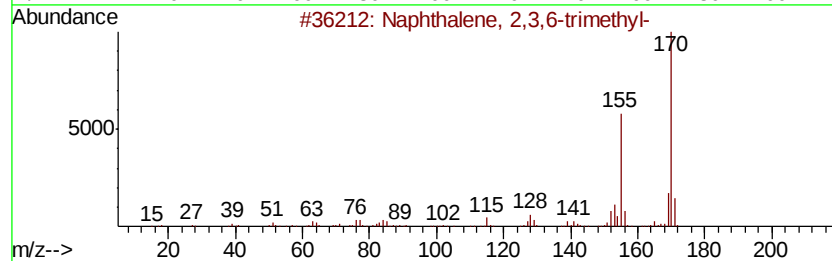
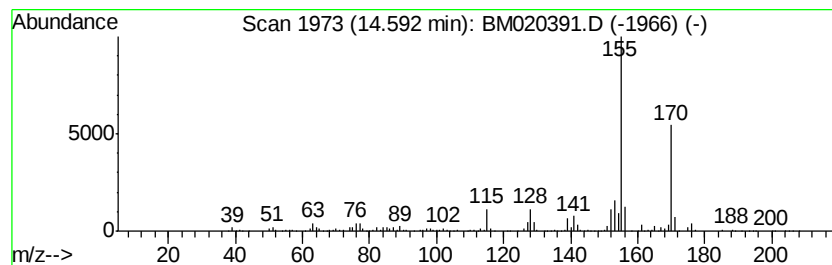
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	16.60 ng/ul	1367900	Acenaphthene-d10	14.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
5			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

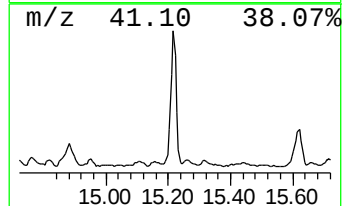
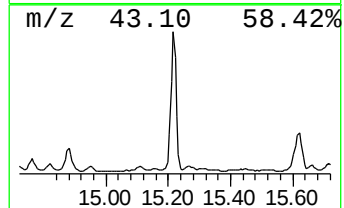
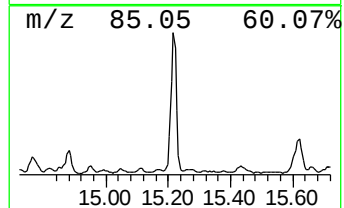
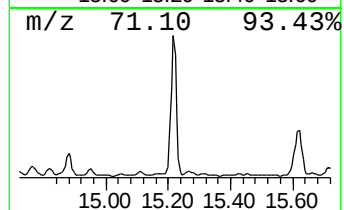
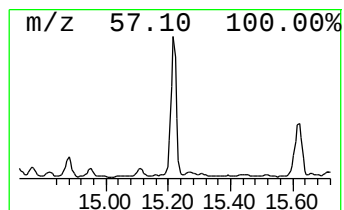
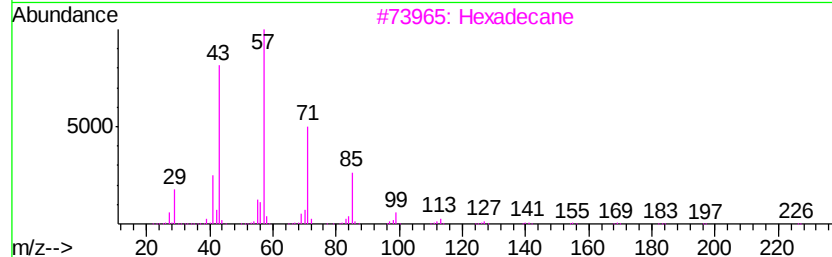
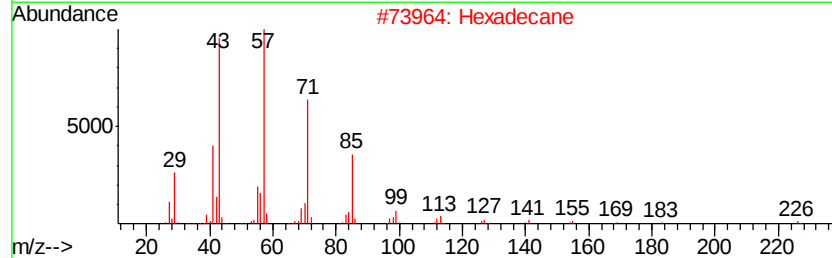
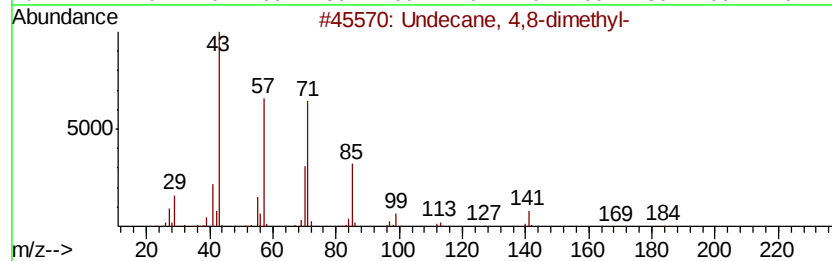
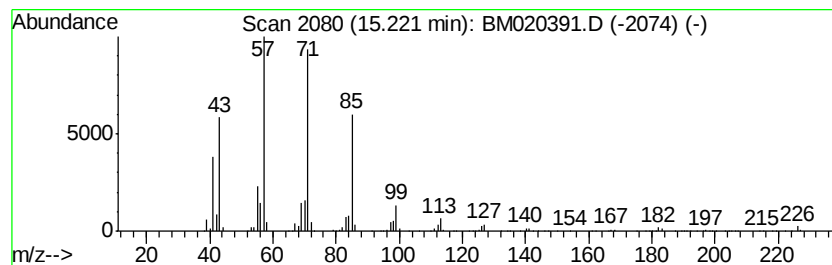
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	25.21 ng/ul	2077780	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	83
2		Hexadecane	226	C16H34	000544-76-3	81
3		Hexadecane	226	C16H34	000544-76-3	72
4		Hexadecane	226	C16H34	000544-76-3	60
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

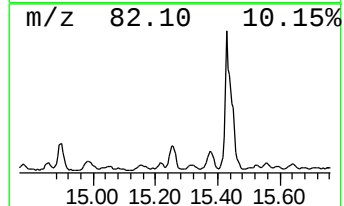
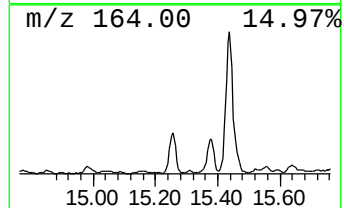
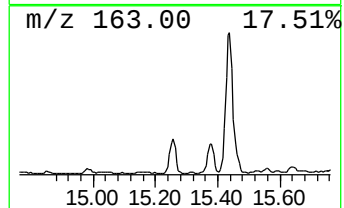
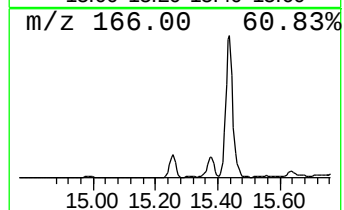
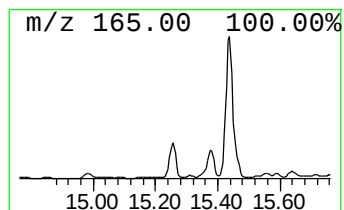
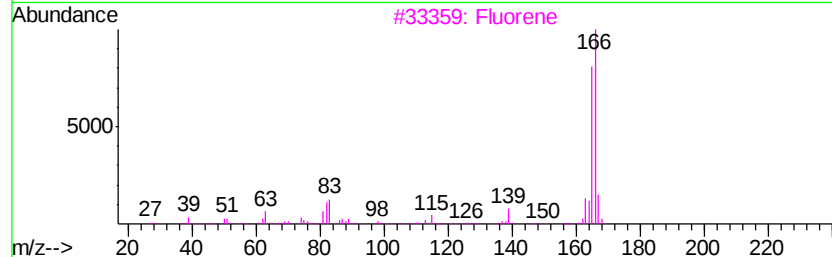
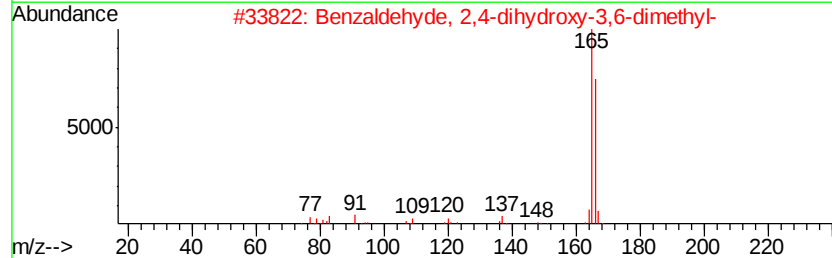
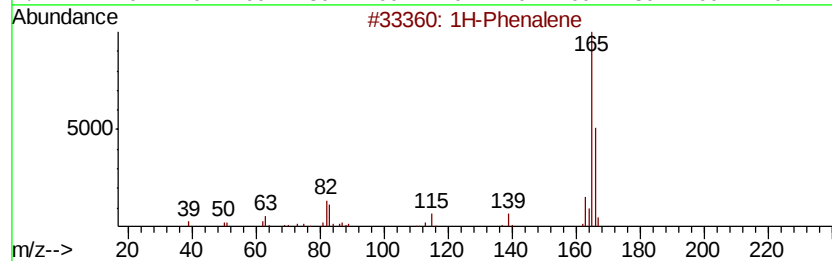
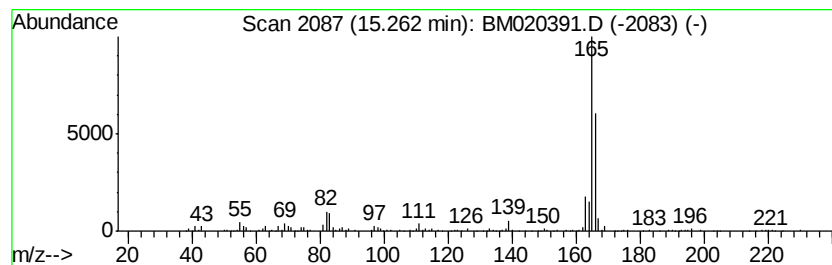
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1H-Phenalene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	10.55 ng/ul	869507	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Phenalene	166	C13H10	000203-80-5	80
2		Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
3		Fluorene	166	C13H10	000086-73-7	52
4		Fluorene	166	C13H10	000086-73-7	52
5		Fluorene-9-methanol	196	C14H12O	024324-17-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

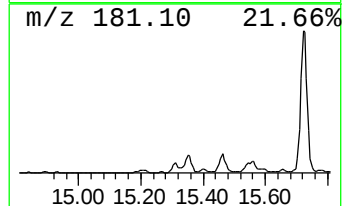
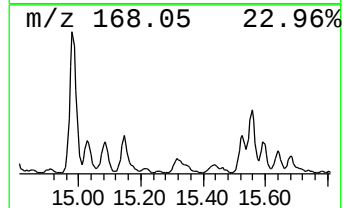
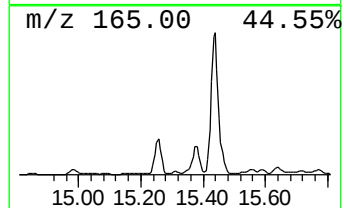
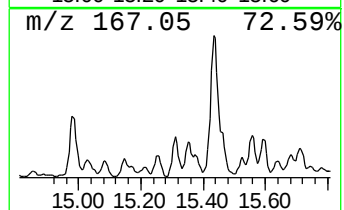
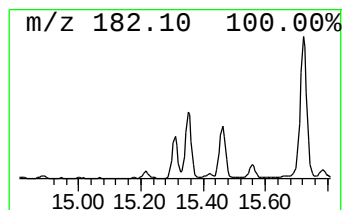
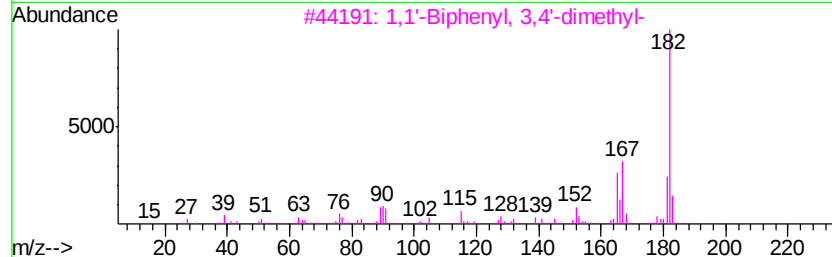
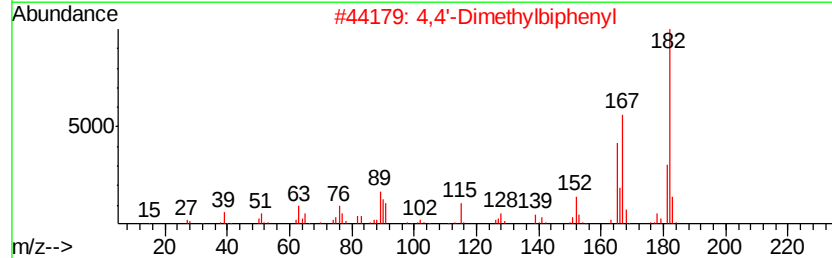
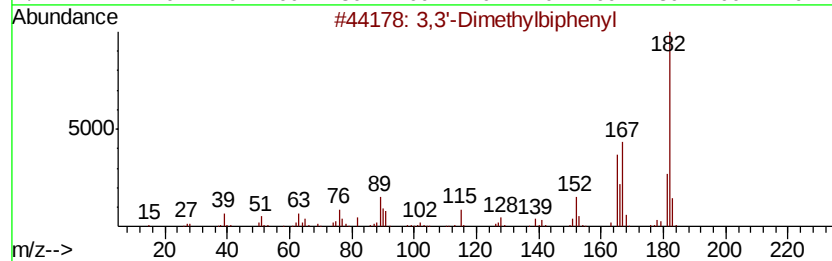
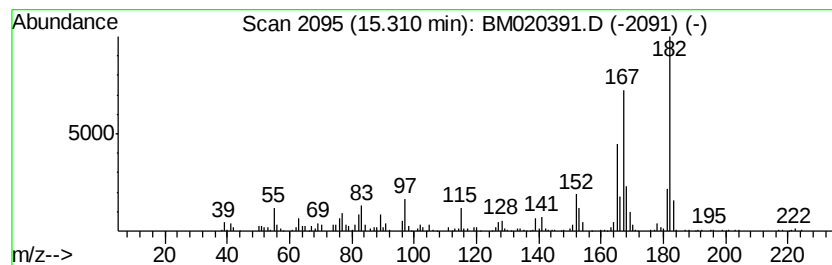
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 3,3'-Dimethylbiphenyl Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	5.45 ng/ul	449037	Acenaphthene-d10	14.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	91
2			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	87
3			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	87
4			7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	81
5			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

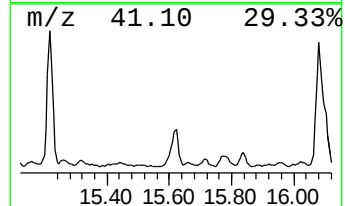
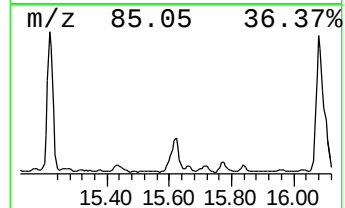
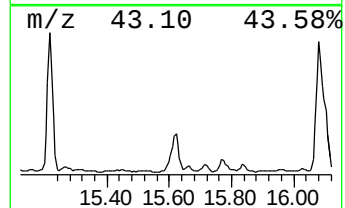
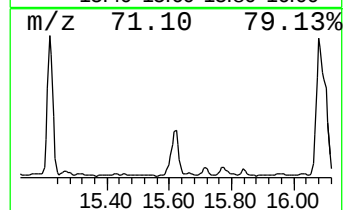
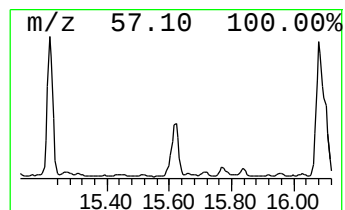
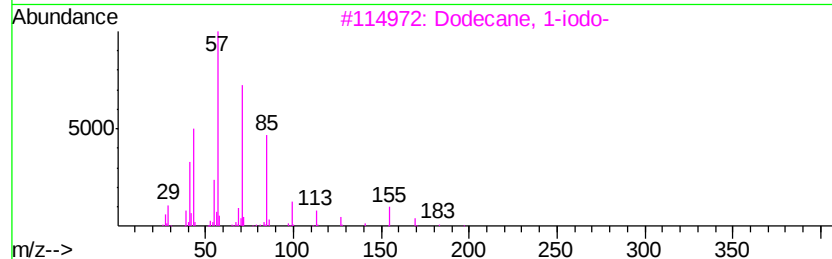
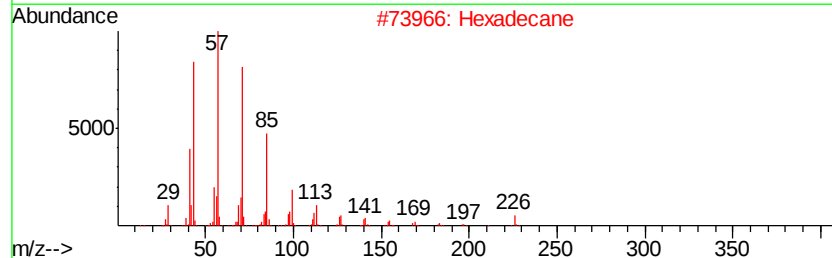
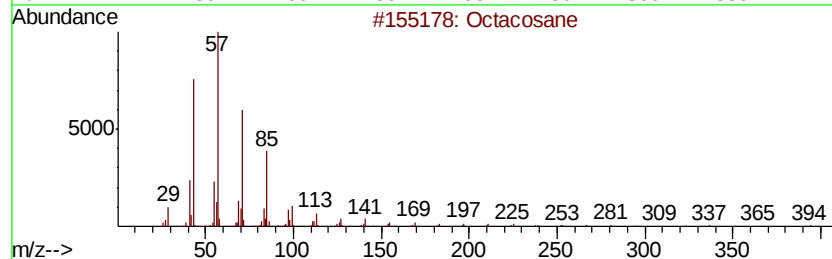
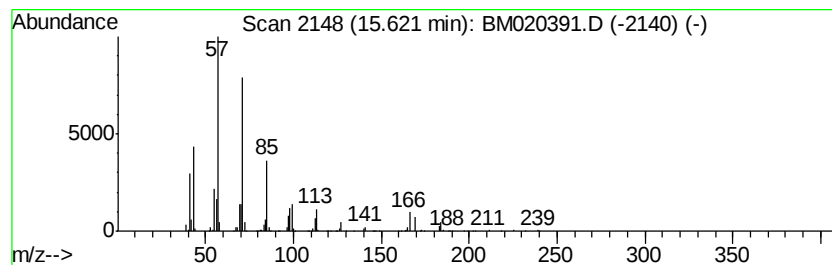
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	19.68 ng/ul	1621740	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	80
2		Hexadecane	226	C16H34	000544-76-3	80
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4		Tridecane	184	C13H28	000629-50-5	80
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

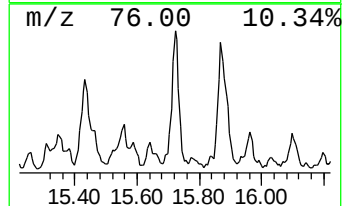
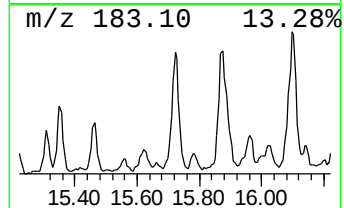
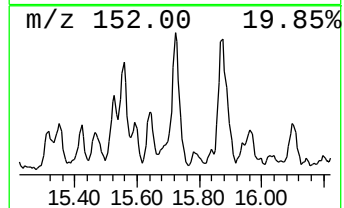
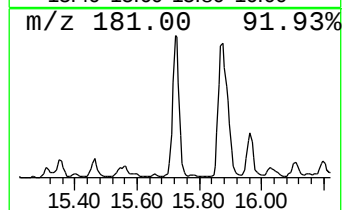
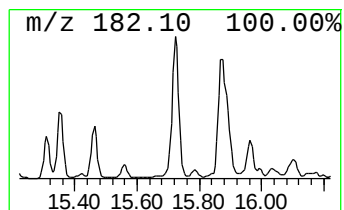
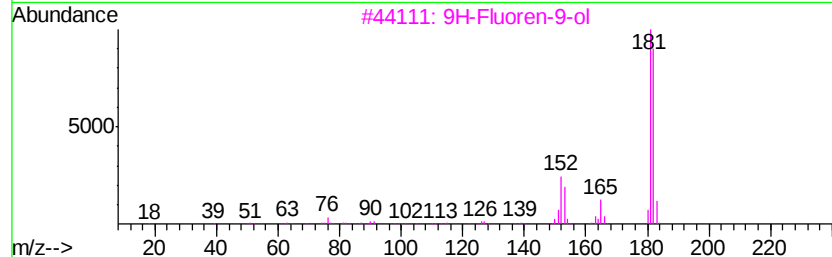
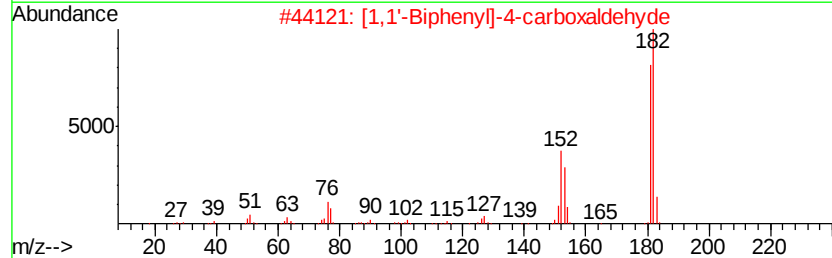
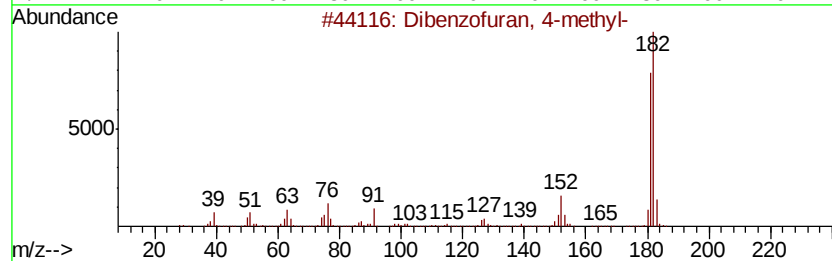
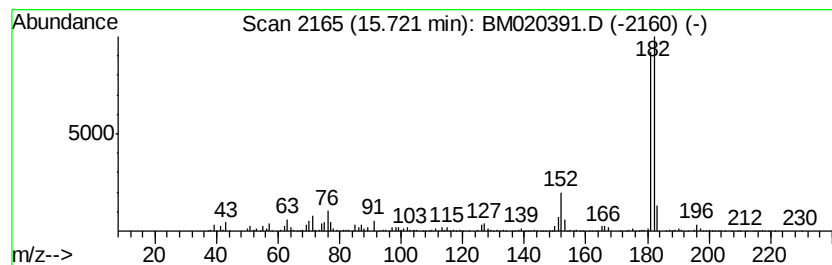
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 Dibenzofuran, 4-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	12.37 ng/ul	1019420	Acenaphthene-d10	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4		2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64
5		9H-Xanthene	182	C13H10O	000092-83-1	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

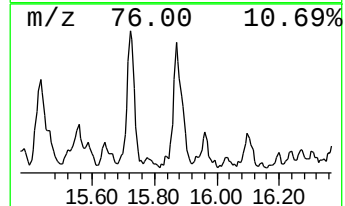
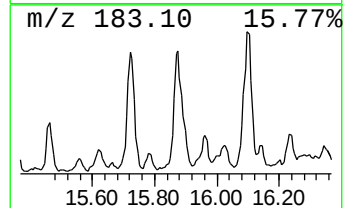
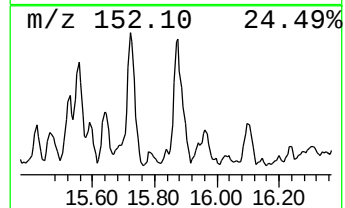
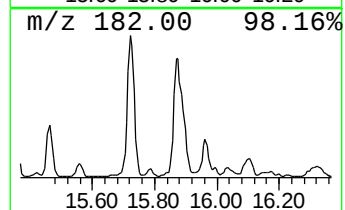
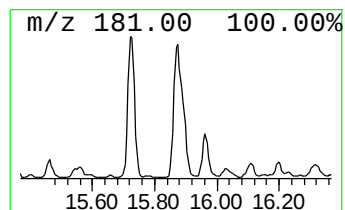
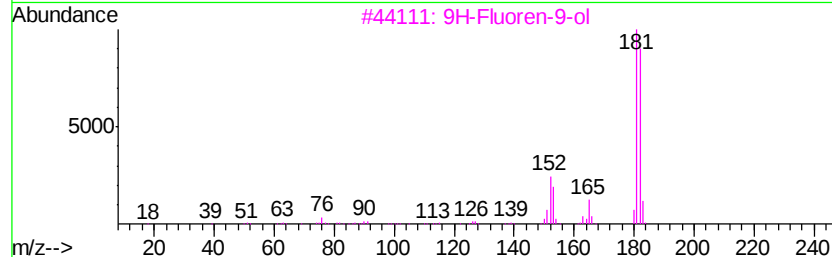
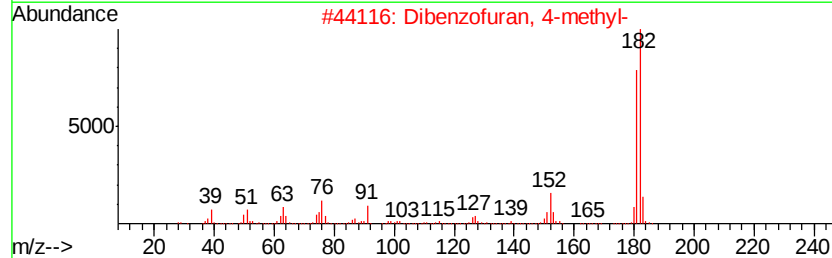
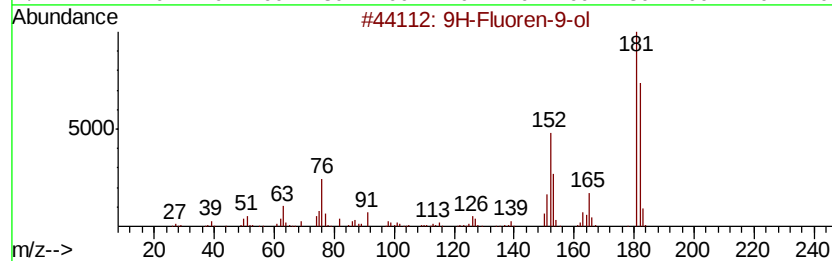
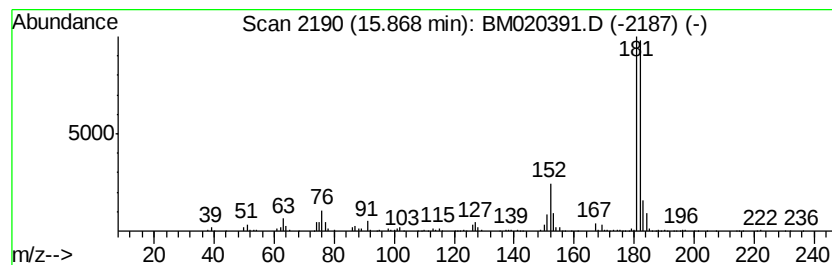
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 9H-Fluoren-9-ol Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	14.98 ng/ul	959384	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

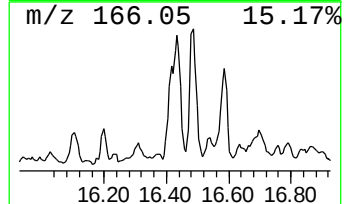
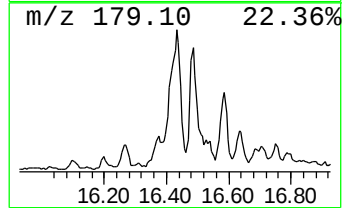
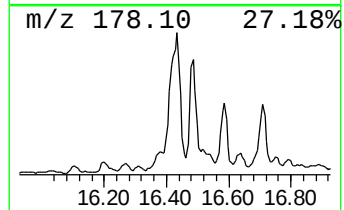
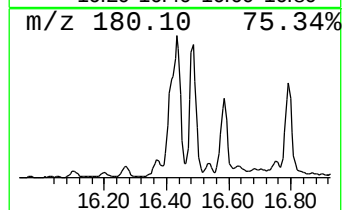
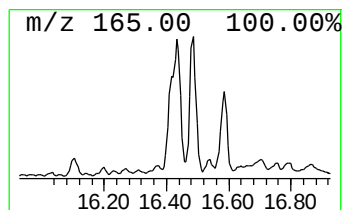
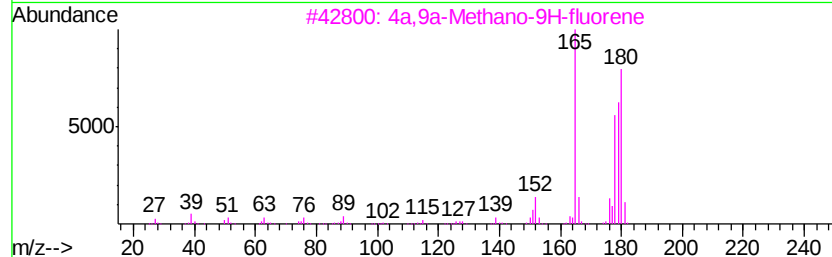
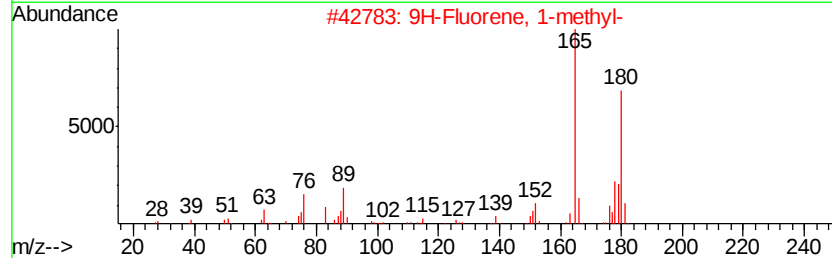
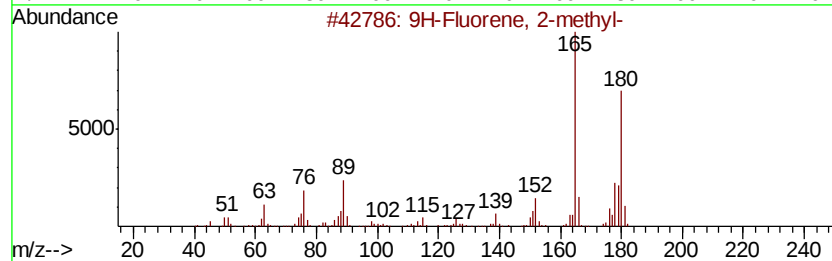
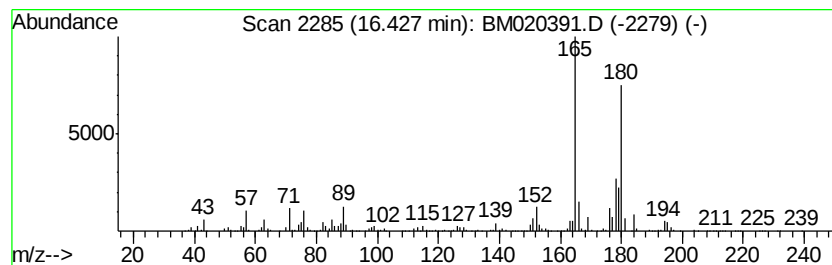
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	29.52 ng/ul	1889910	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

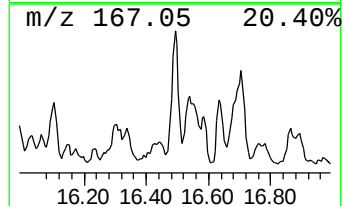
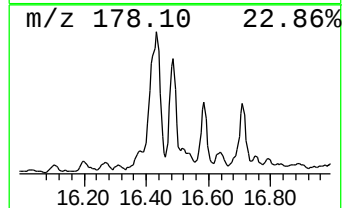
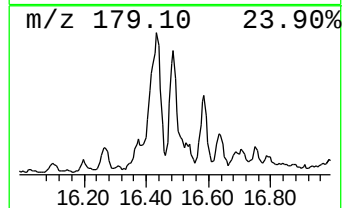
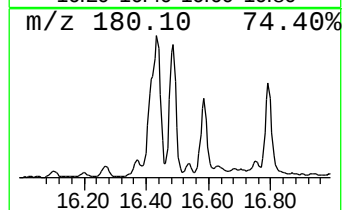
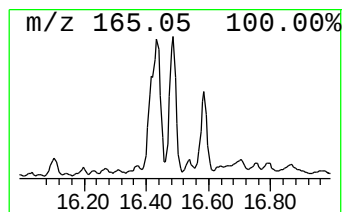
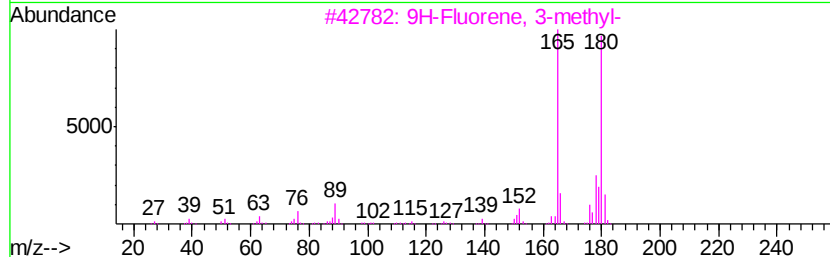
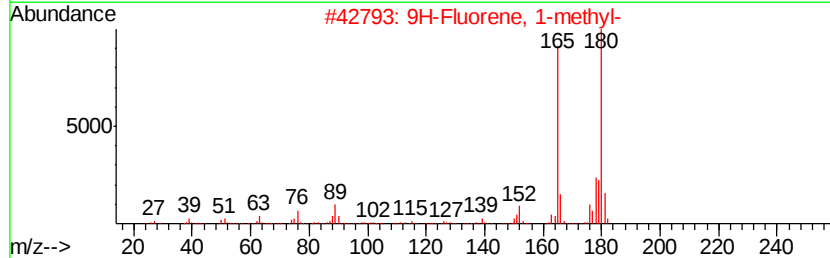
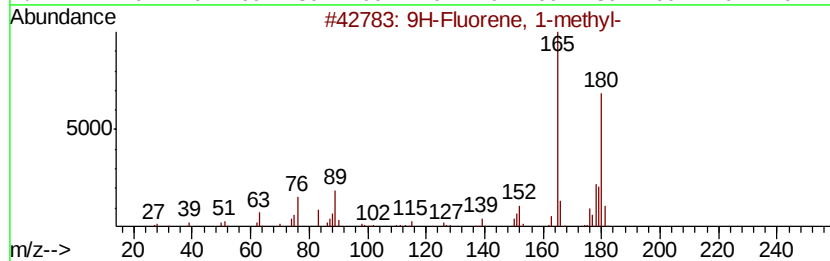
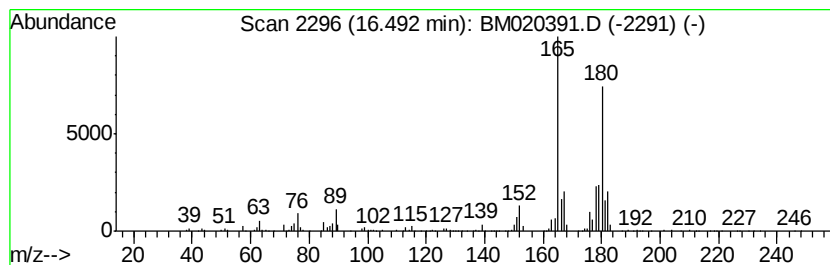
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 9H-Fluorene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	18.29 ng/ul	1170930	Phenanthrene-d10	17.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

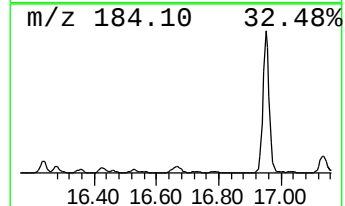
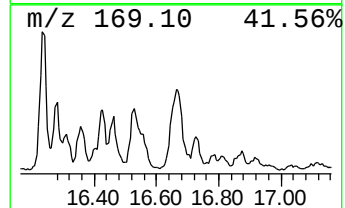
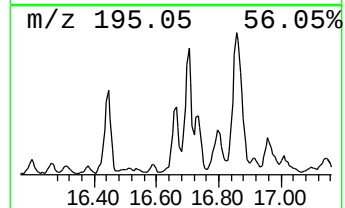
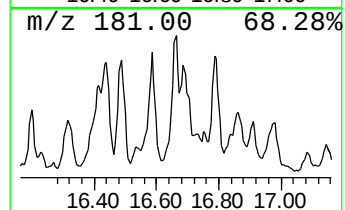
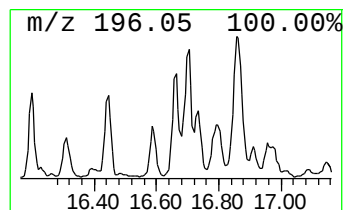
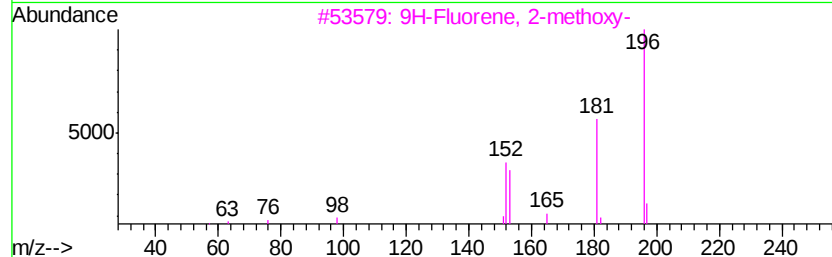
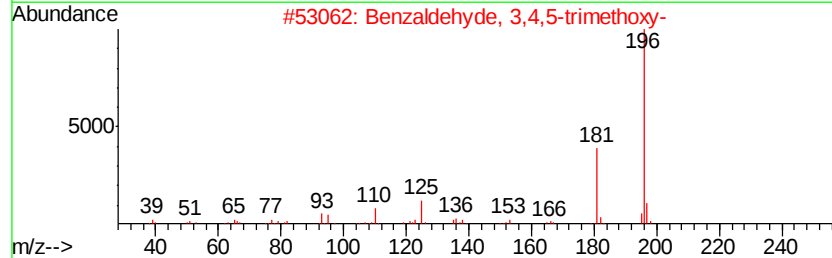
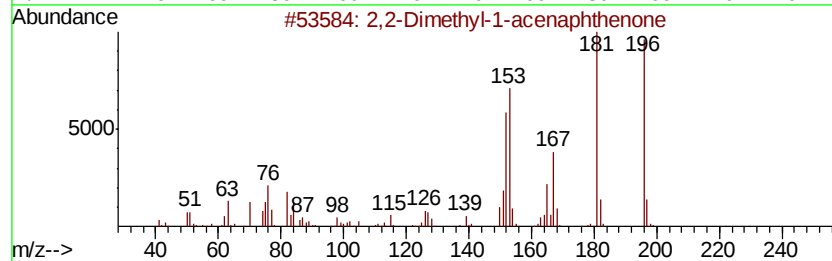
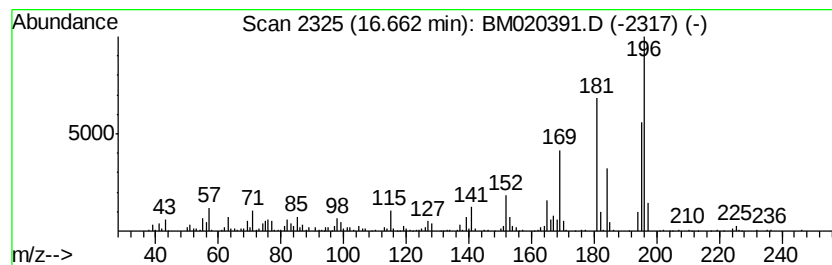
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 2,2-Dimethyl-1-acenaphthenone Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	10.38 ng/ul	664450	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	60
2		Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
3		9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	47
4		Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	43
5		Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

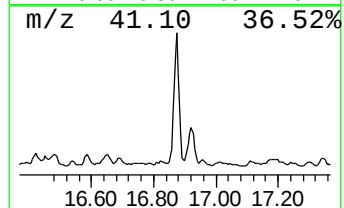
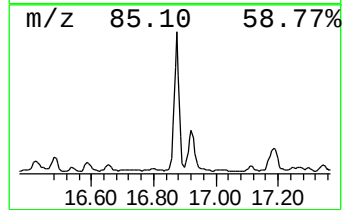
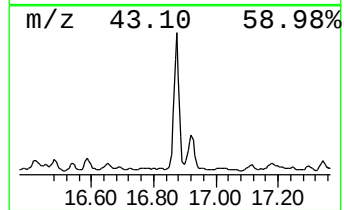
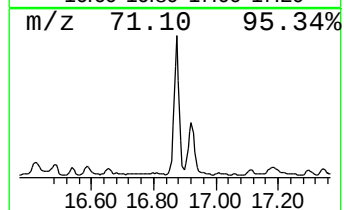
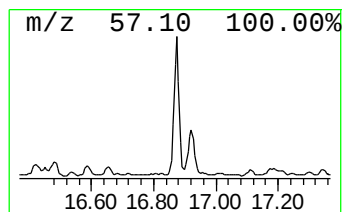
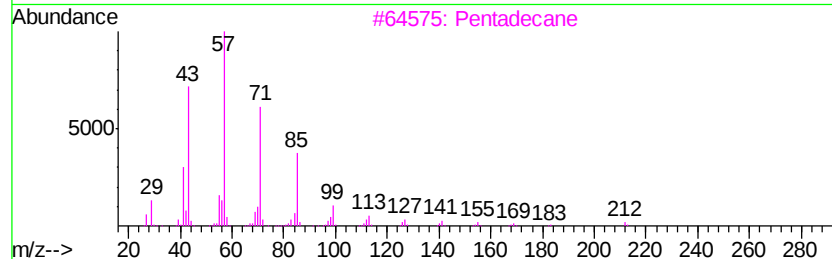
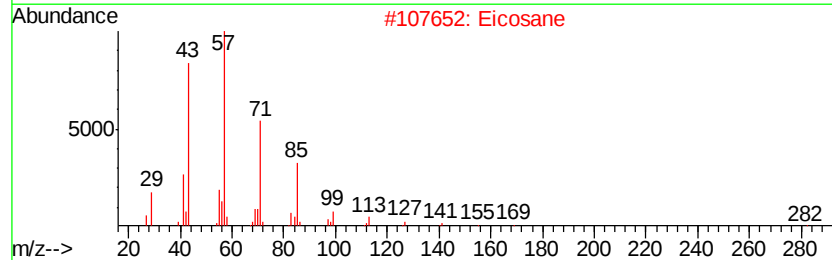
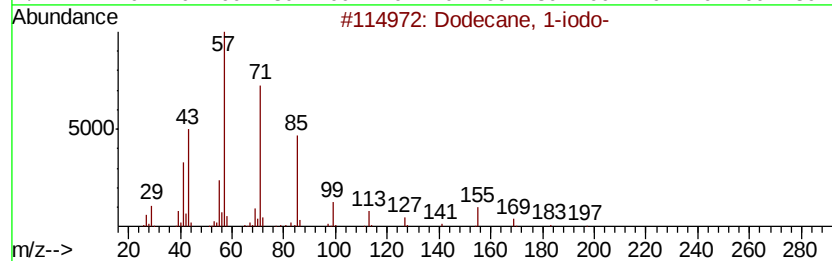
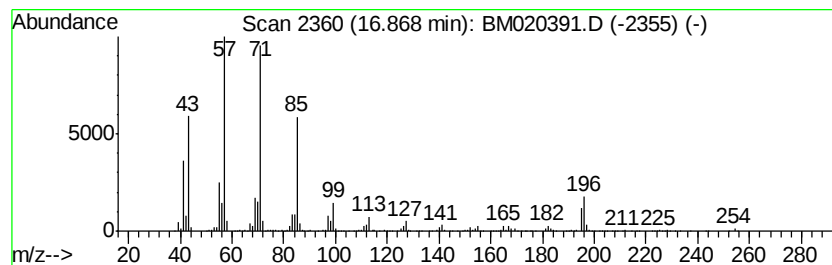
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 Dodecane, 1-iodo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	33.78 ng/ul	2162690	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2		Eicosane	282	C20H42	000112-95-8	72
3		Pentadecane	212	C15H32	000629-62-9	72
4		Heptacosane	380	C27H56	000593-49-7	72
5		Pentadecane	212	C15H32	000629-62-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

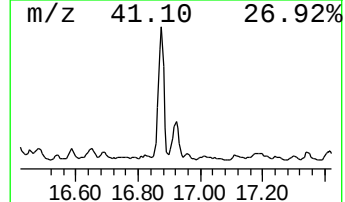
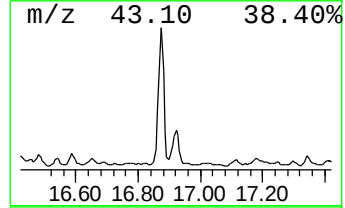
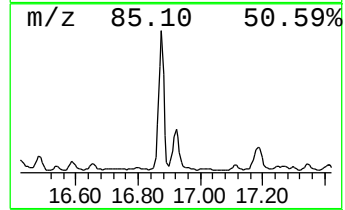
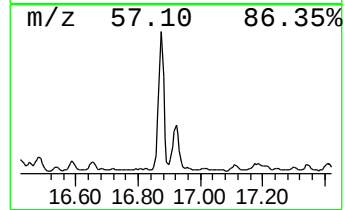
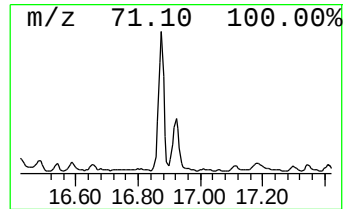
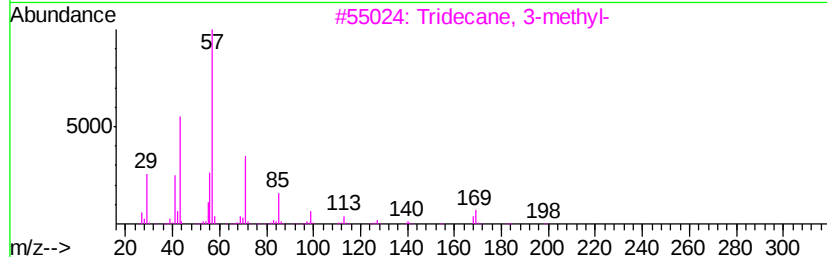
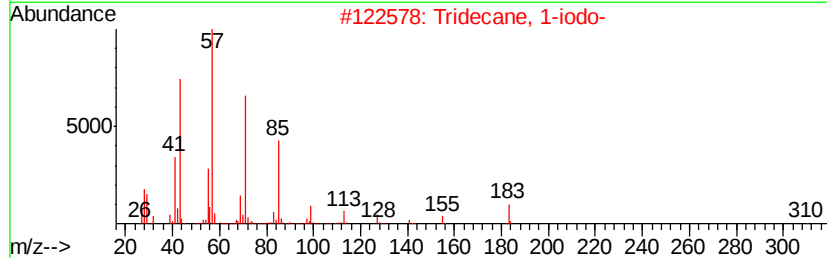
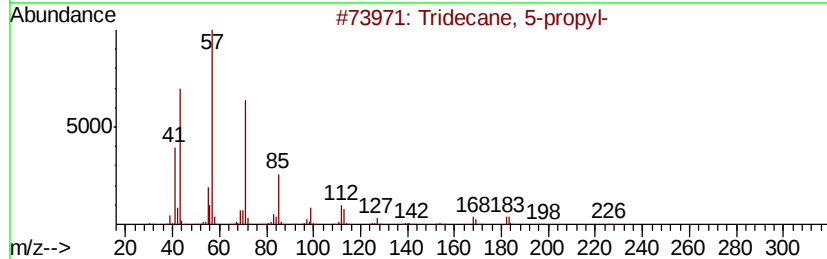
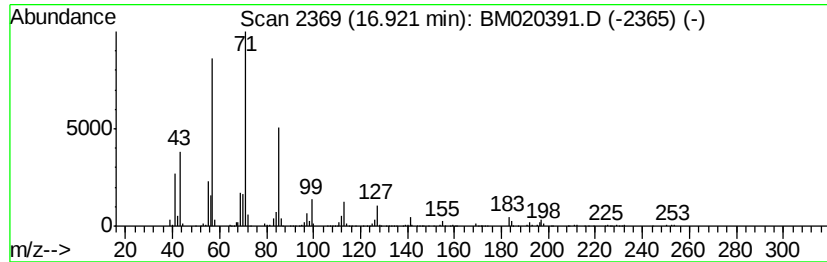
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	11.62 ng/ul	744256	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	81
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
4		Tetracosane	338	C24H50	000646-31-1	72
5		Eicosane	282	C20H42	000112-95-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

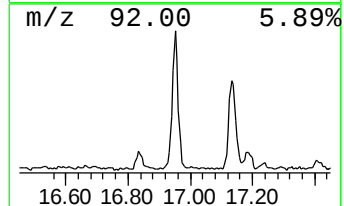
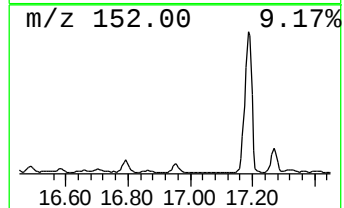
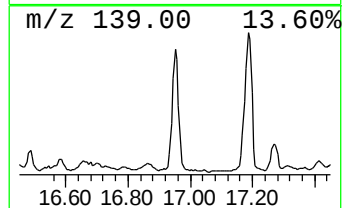
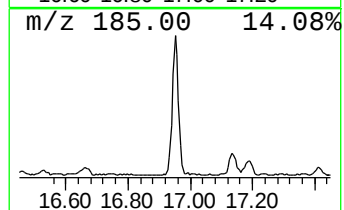
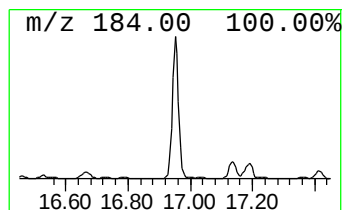
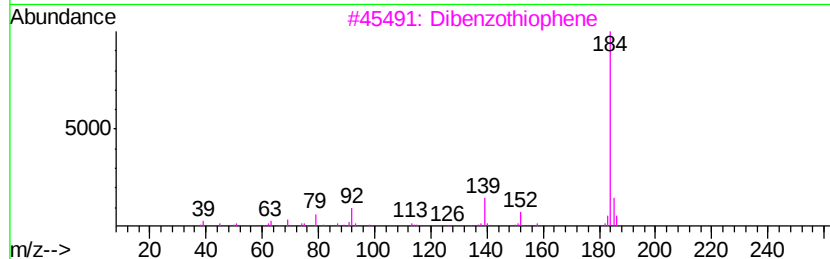
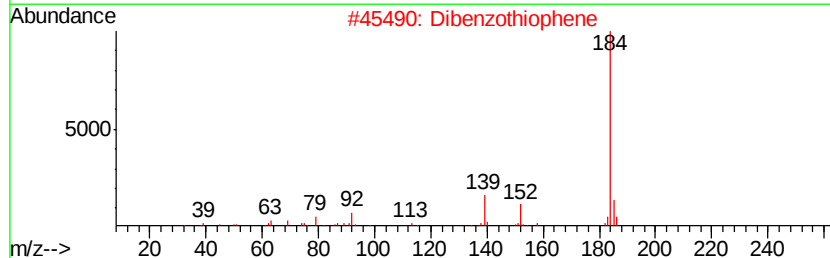
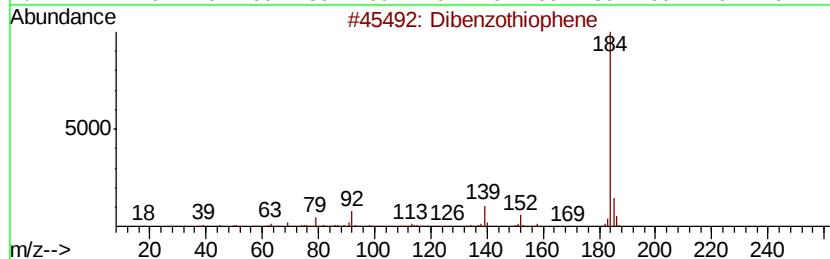
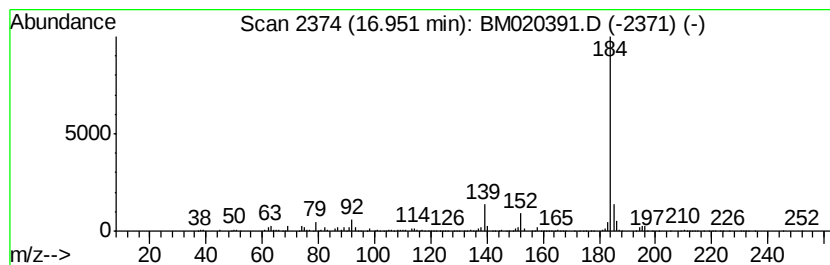
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	20.44 ng/ul	1308500	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Dibenzothiophene	184	C12H8S	000132-65-0	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

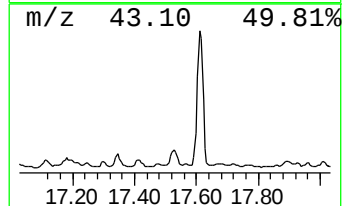
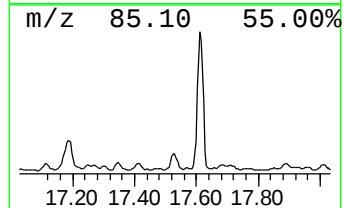
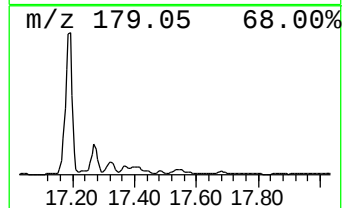
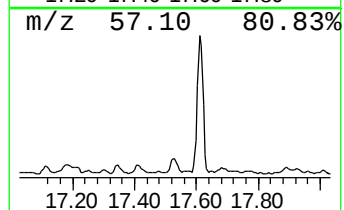
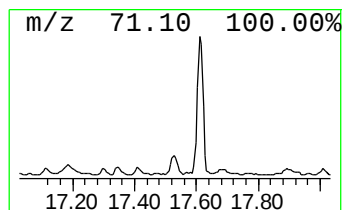
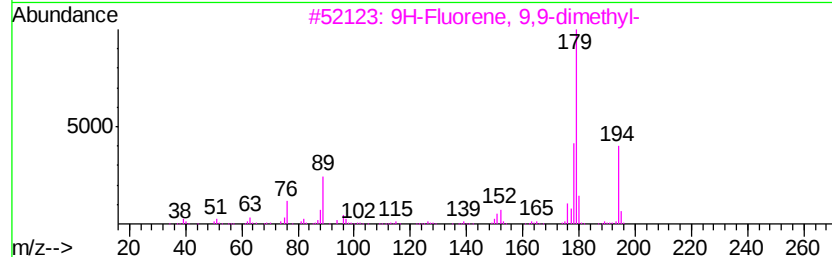
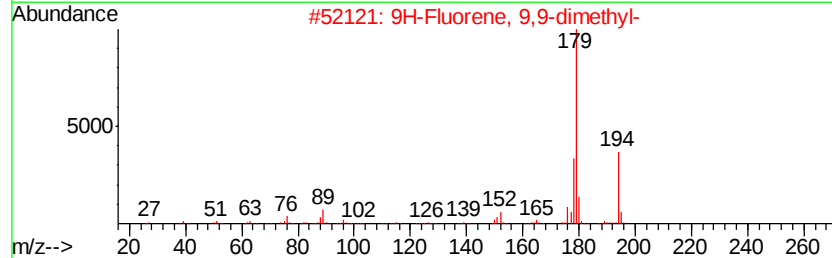
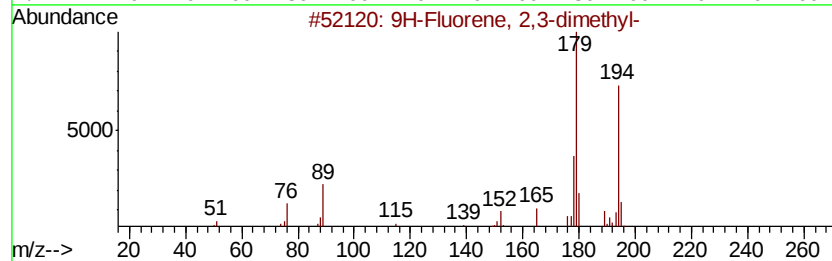
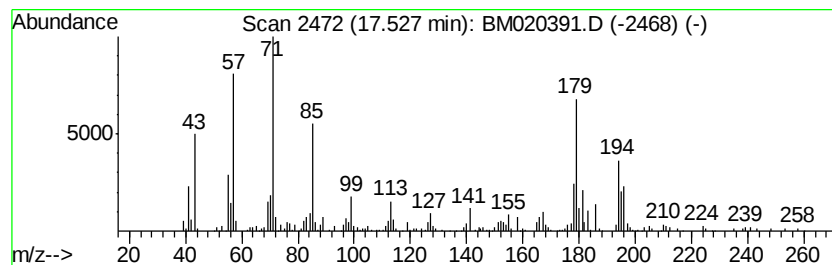
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 unknown-01 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	7.58 ng/ul	485165	Phenanthrene-d10	17.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	46
2			9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	42
3			9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	42
4			2-Phenyl-4,5-dicyano-imidazole	194	C11H6N4	1000147-44-0	35
5			9H-Fluorene, 2-ethyl-	194	C15H14	001207-20-1	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
 Data File : BM020391.D
 Acq On : 18 May 2019 08:10
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78

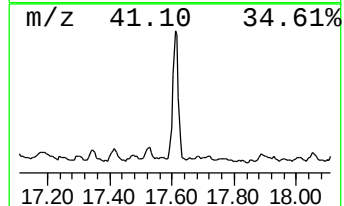
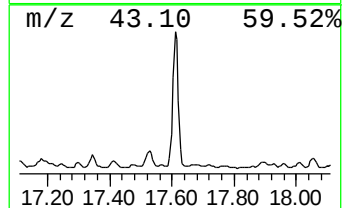
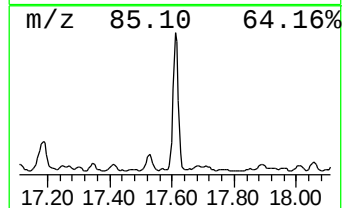
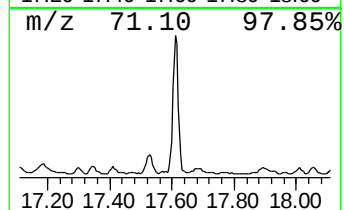
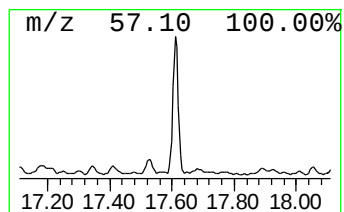
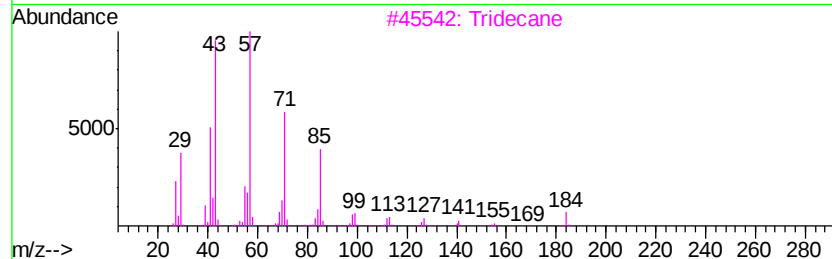
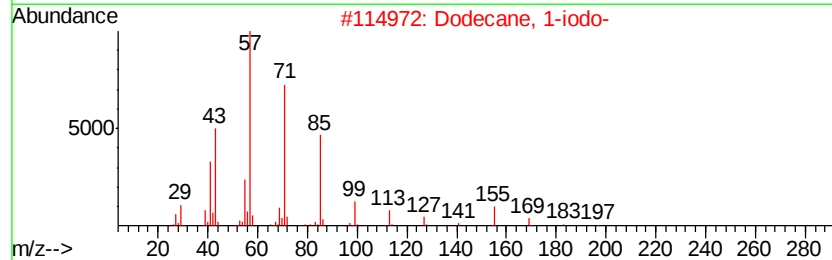
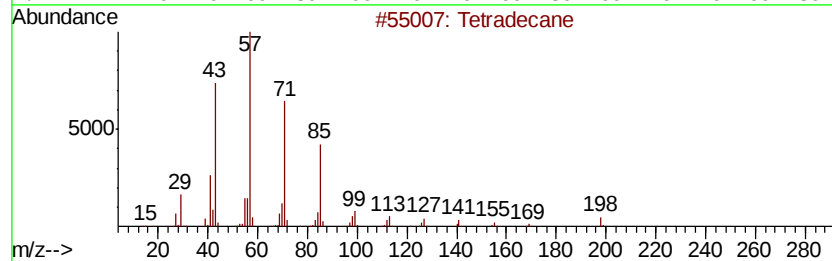
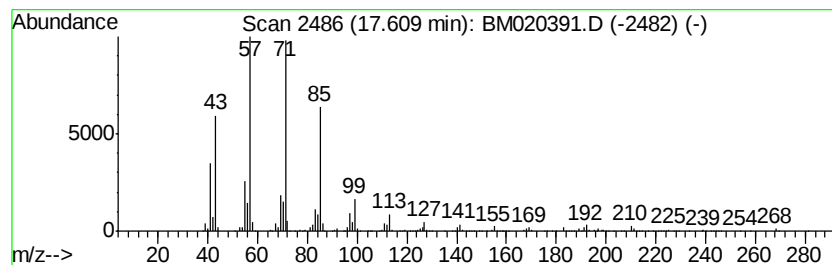
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	25.03 ng/ul	1602380	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	91
2		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	90
3		Tridecane	184	C13H28	000629-50-5	87
4		Octadecane	254	C18H38	000593-45-3	58
5		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

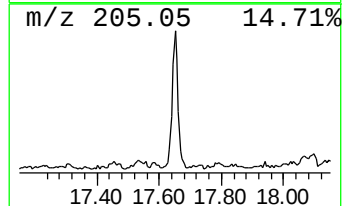
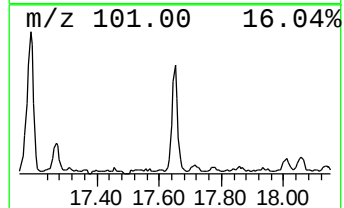
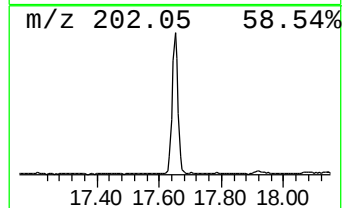
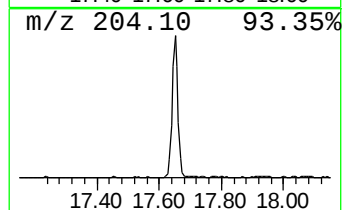
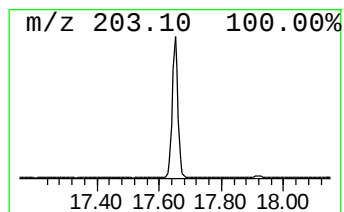
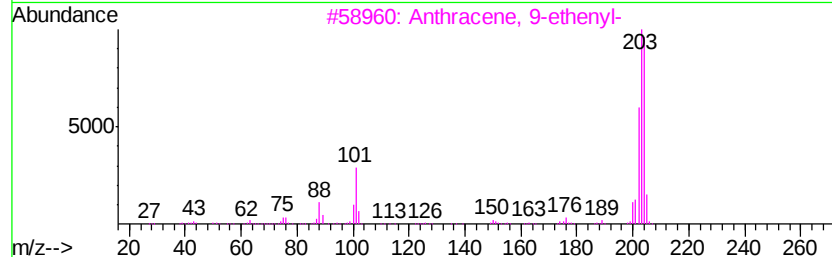
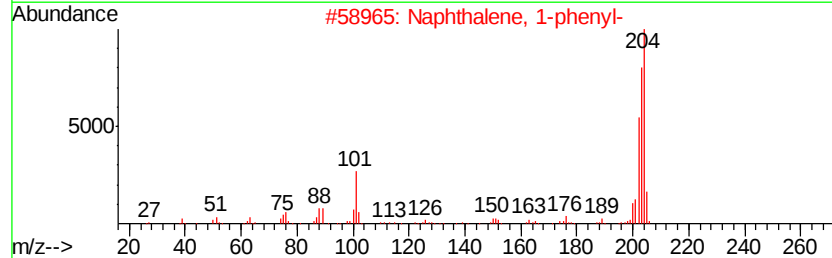
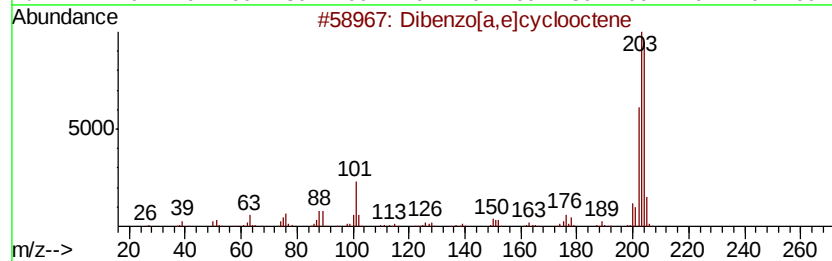
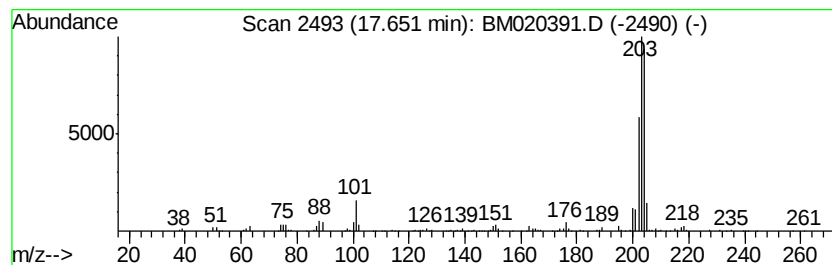
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 Dibenzo[a,e]cyclooctene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	7.53 ng/ul	482407	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
4		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
5		Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

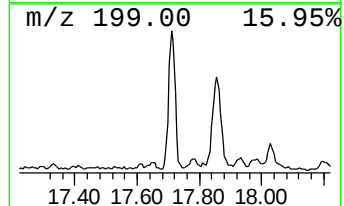
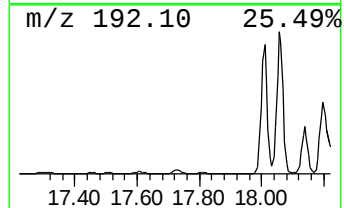
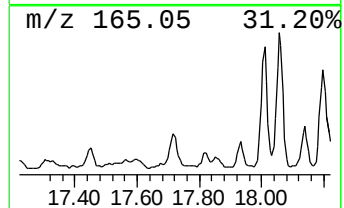
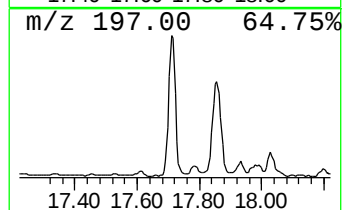
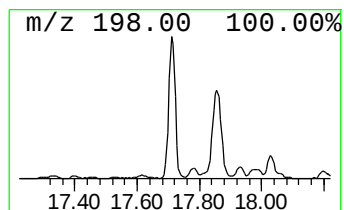
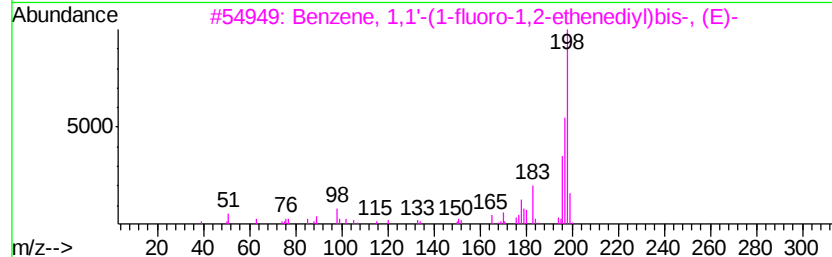
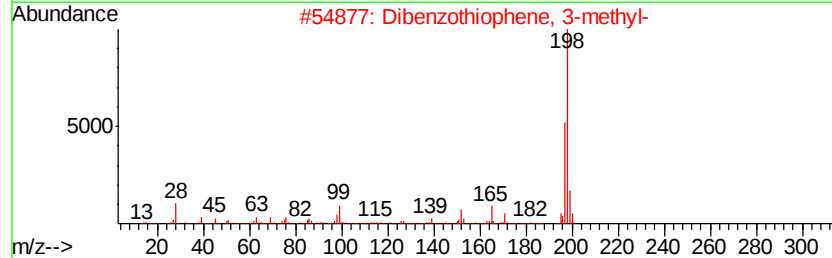
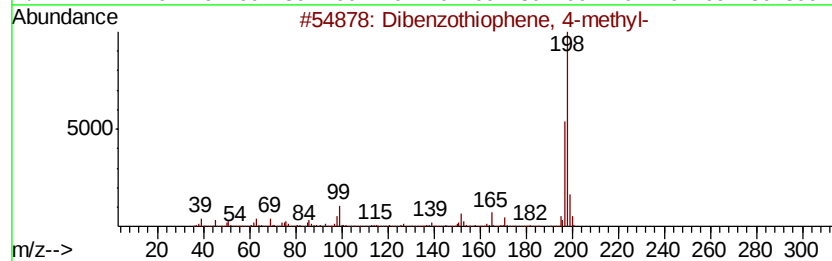
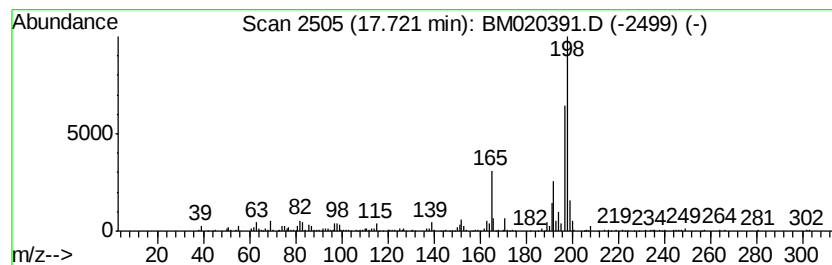
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 Dibenzothiophene, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	11.76 ng/ul	752659	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
3		Benzene, 1,1'-(1-fluoro-1,2-eth...	198	C14H11F	000671-19-2	64
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
5		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

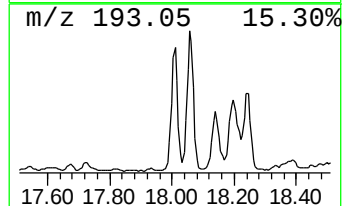
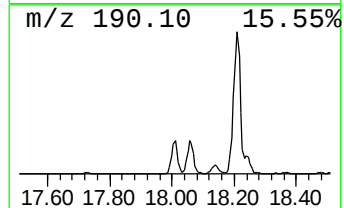
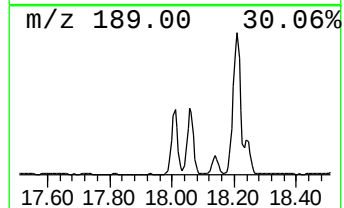
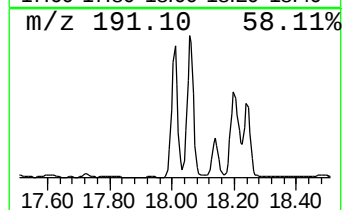
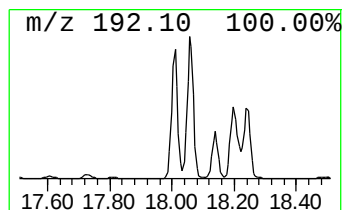
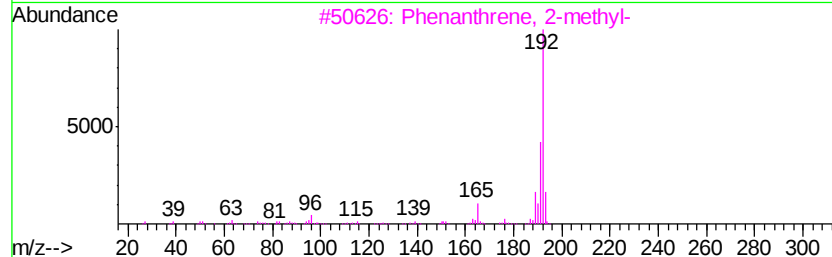
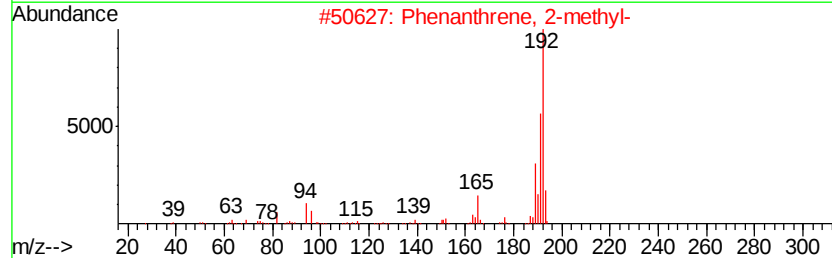
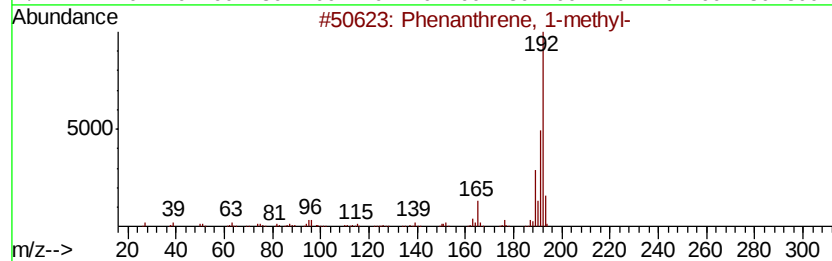
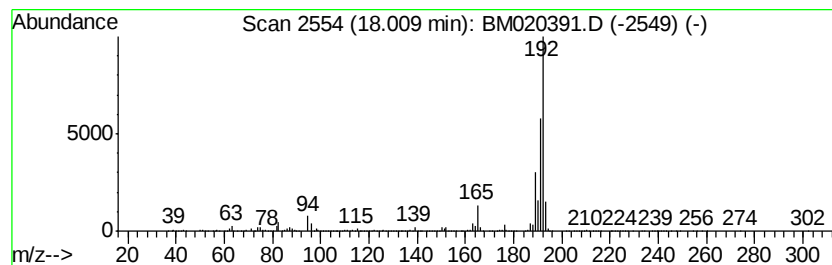
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	53.50 ng/ul	3425490	Phenanthrene-d10	17.13

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

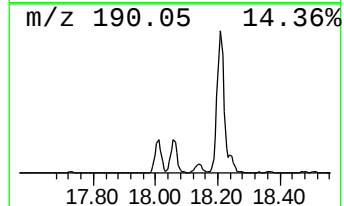
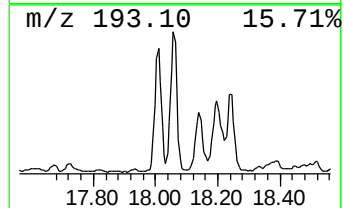
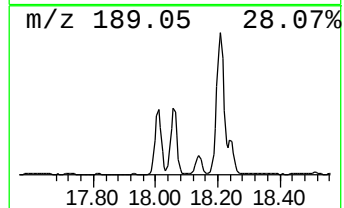
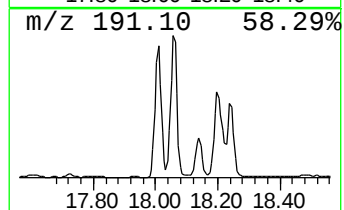
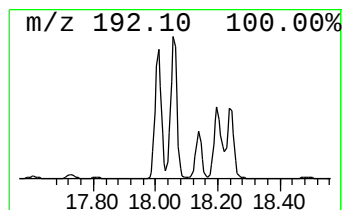
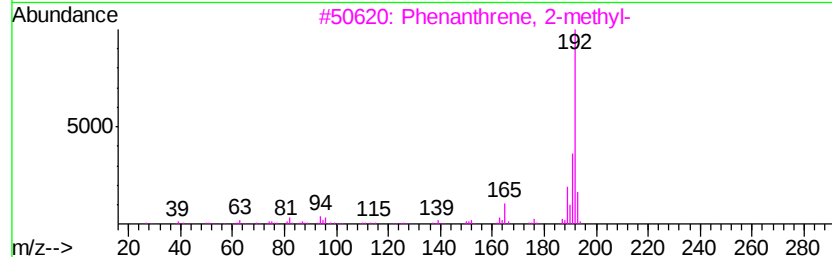
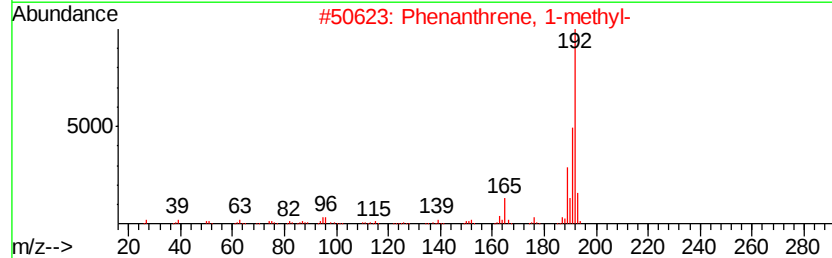
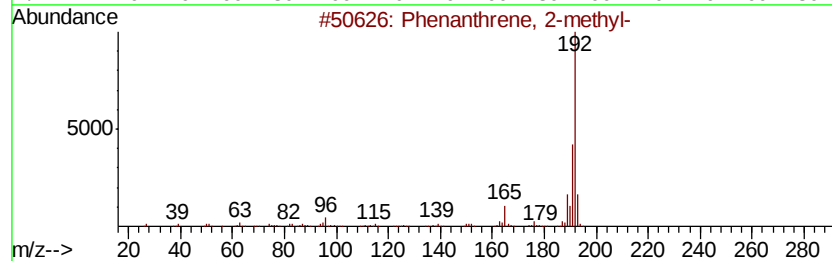
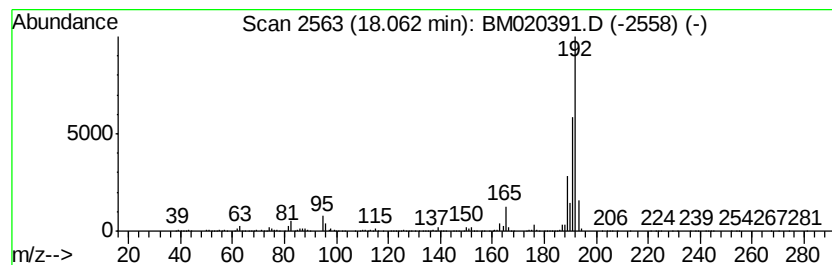
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	59.39 ng/ul	3802580	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

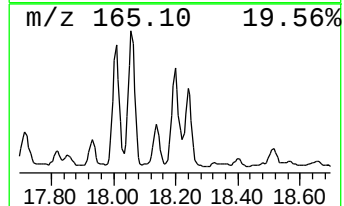
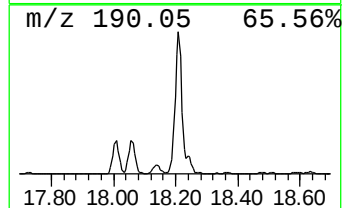
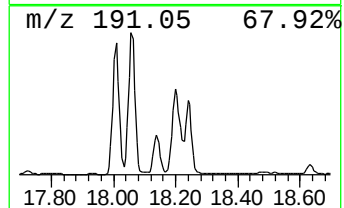
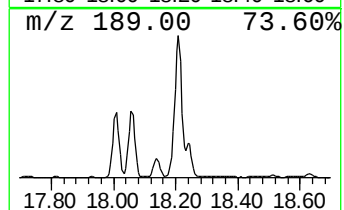
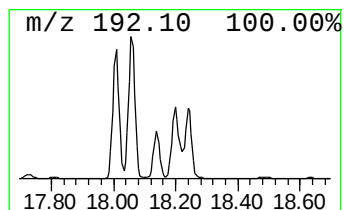
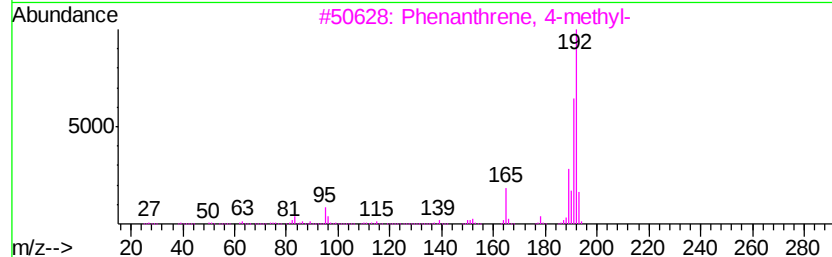
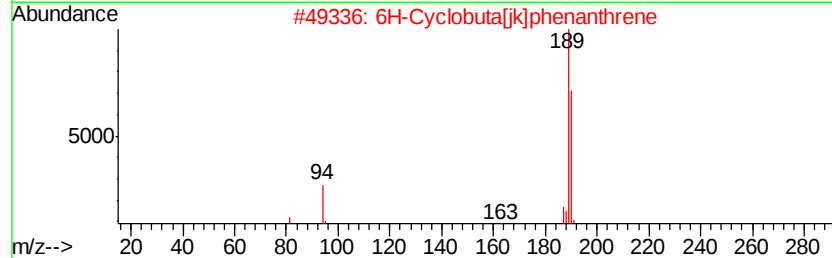
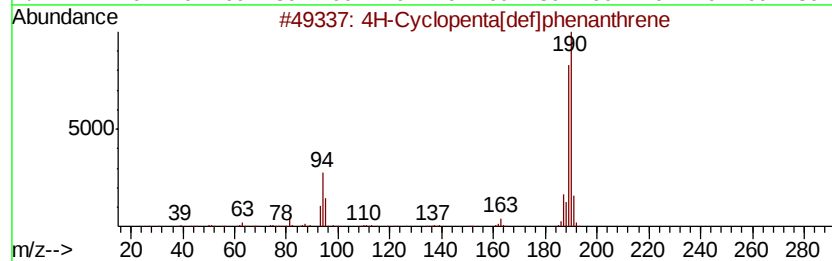
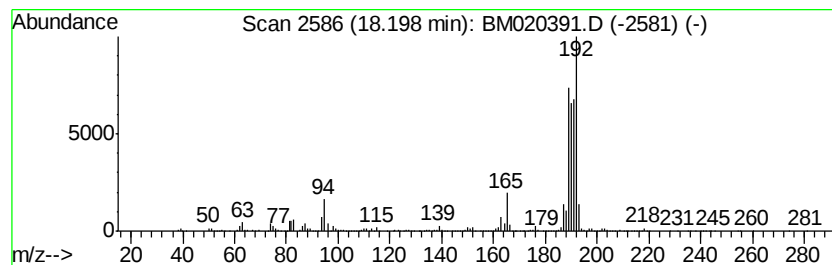
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	73.43 ng/ul	4701370	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

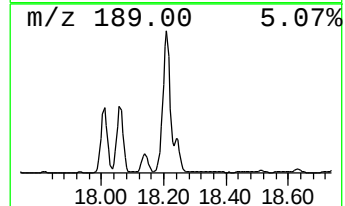
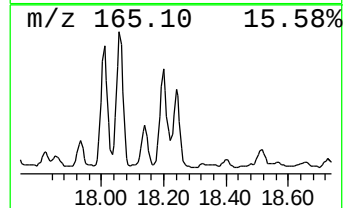
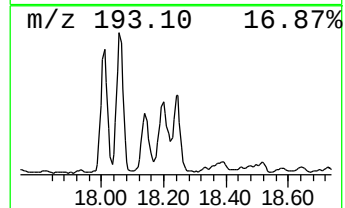
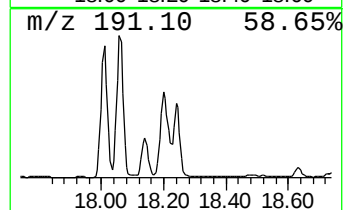
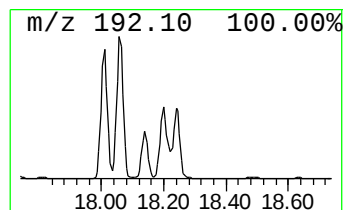
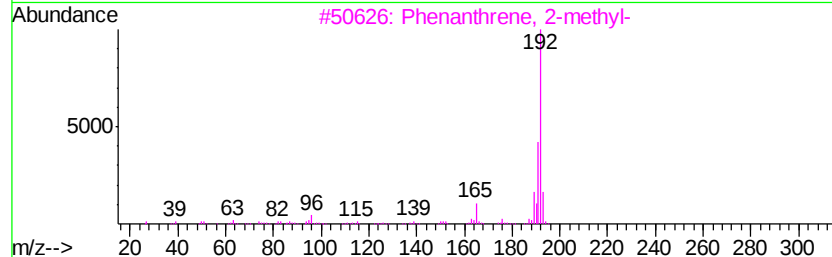
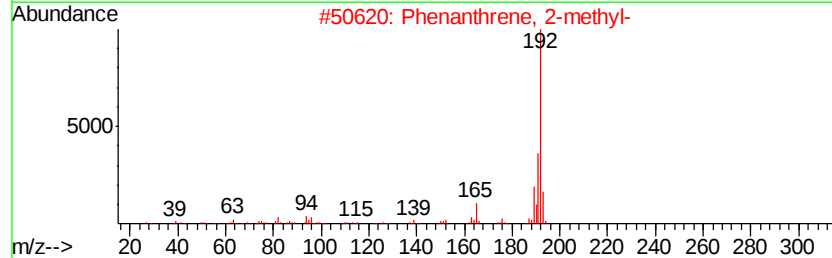
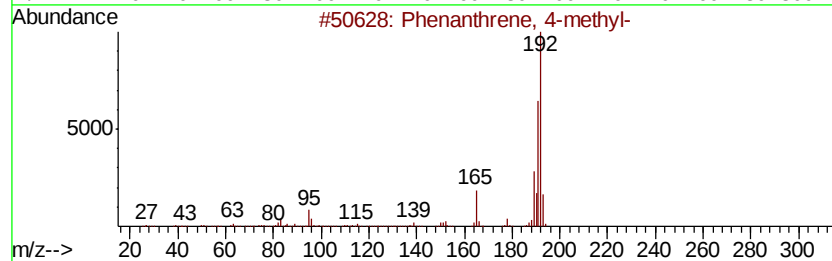
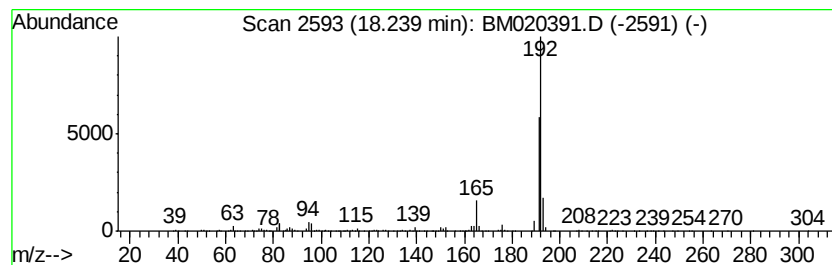
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	27.95 ng/ul	1789260	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

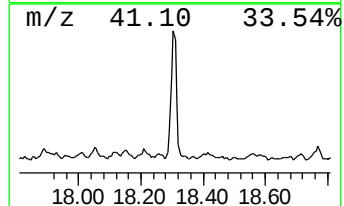
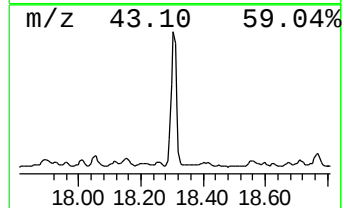
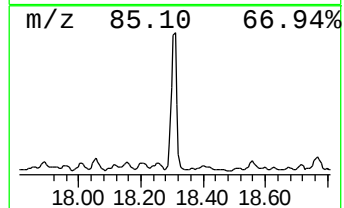
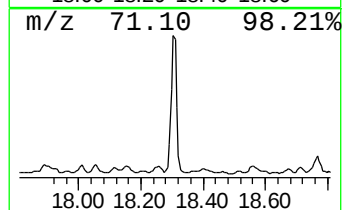
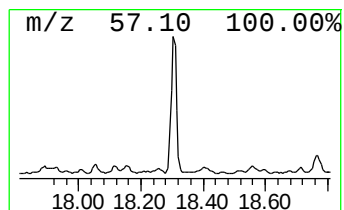
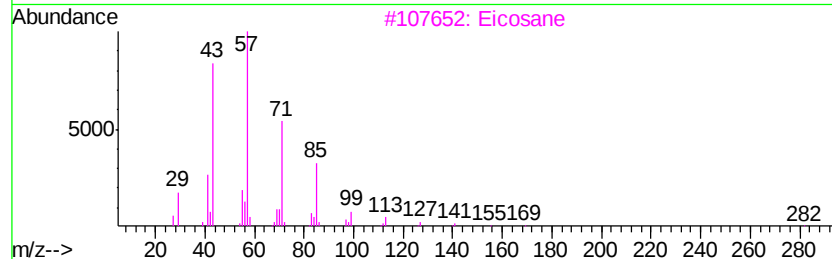
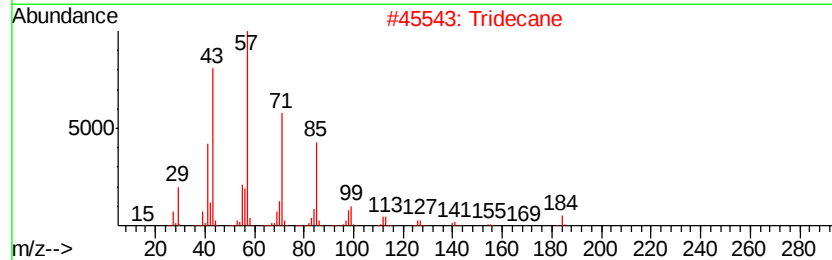
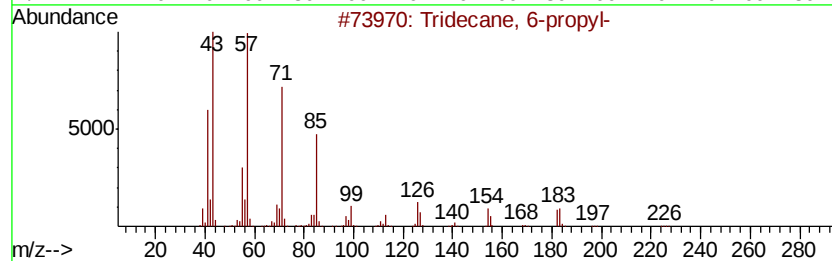
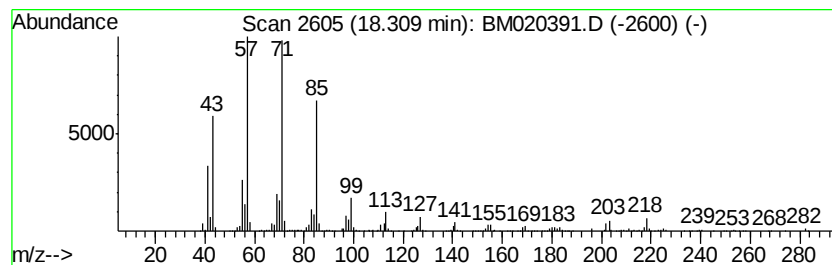
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	19.46 ng/ul	1246170	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	83
2		Tridecane	184	C13H28	000629-50-5	83
3		Eicosane	282	C20H42	000112-95-8	81
4		Nonadecane	268	C19H40	000629-92-5	80
5		Heptadecane, 4-methyl-	254	C18H38	026429-11-8	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

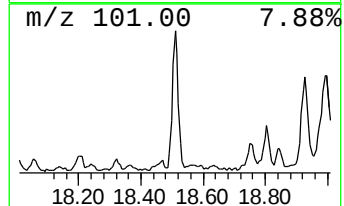
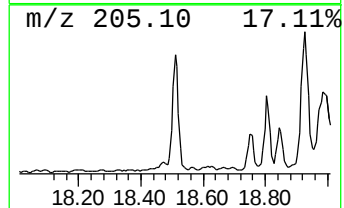
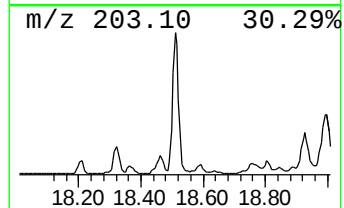
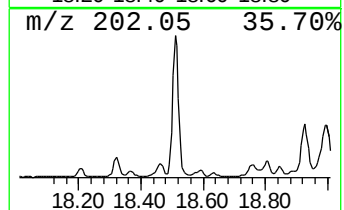
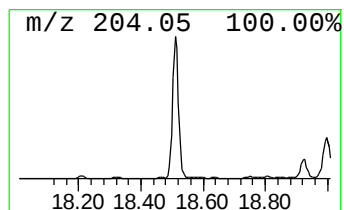
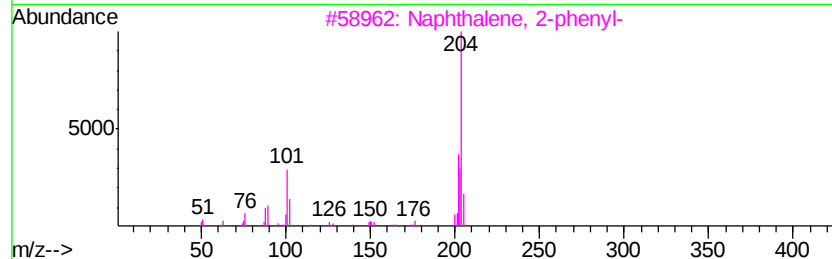
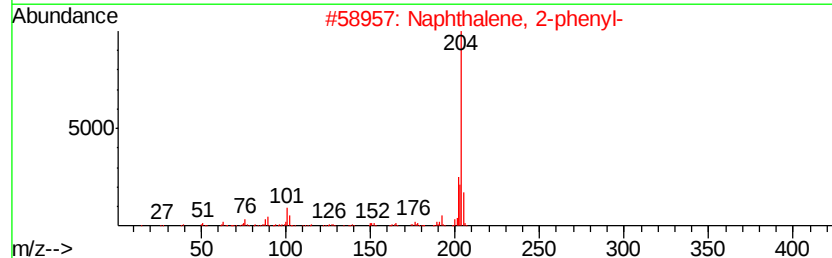
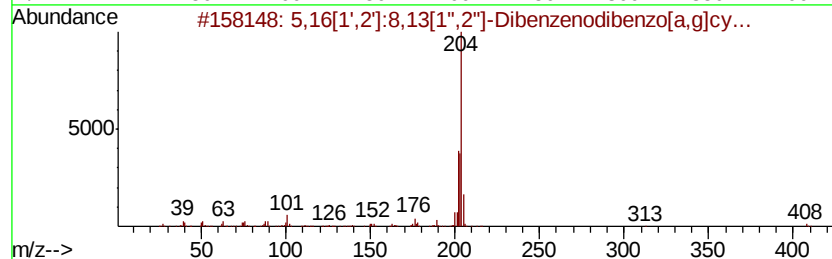
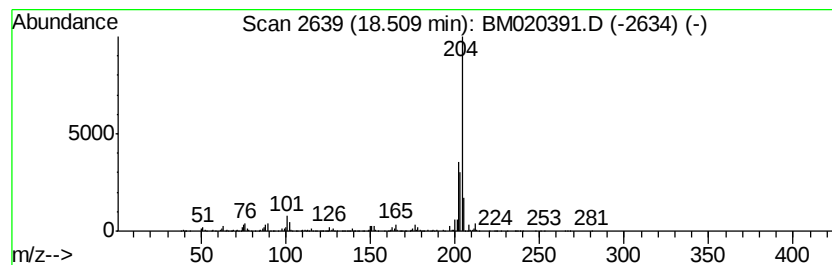
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	20.79 ng/ul	1331380	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	76
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
Data File : BM020391.D
Acq On : 18 May 2019 08:10
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ78

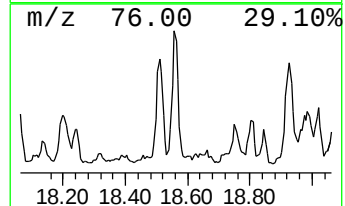
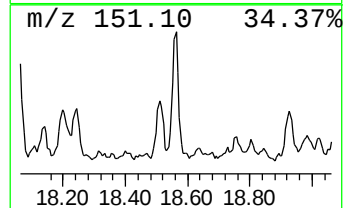
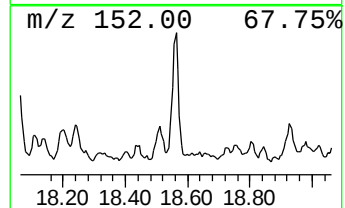
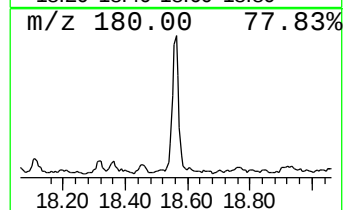
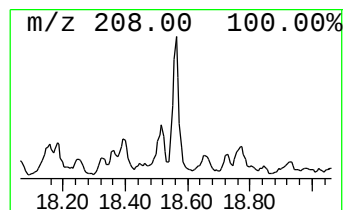
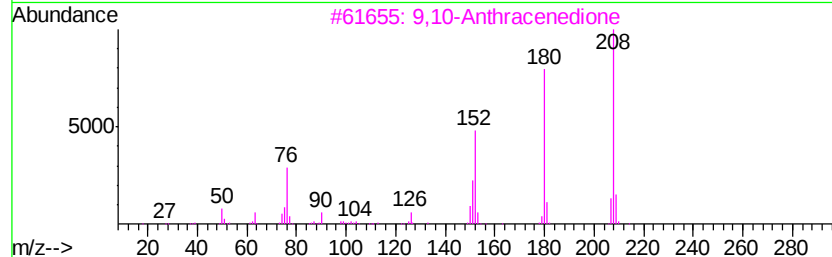
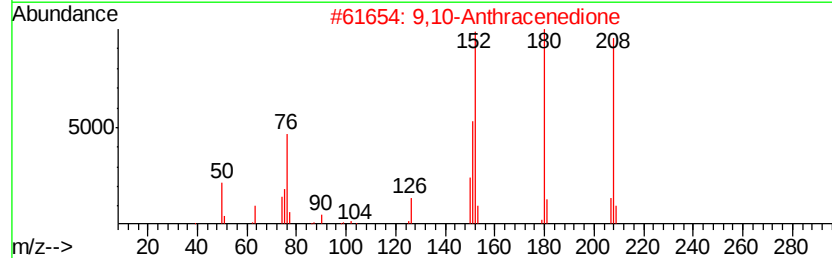
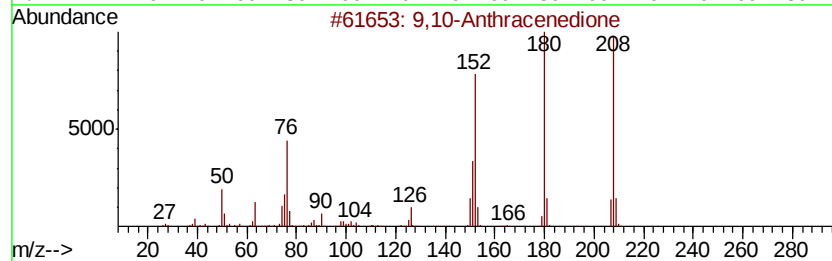
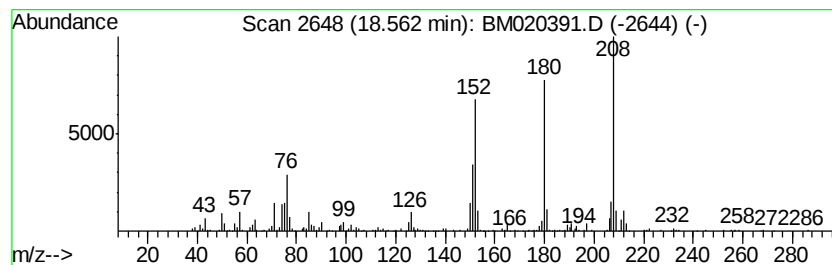
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 9,10-Anthracenedione Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	7.14 ng/ul	457214	Phenanthrene-d10	17.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051719\
 Data File : BM020391.D
 Acq On : 18 May 2019 08:10
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-methyl...	9.92	13.3	ng/ul	459834	2	10.52	693149	20.0
(DEL) Alkane: Str...	10.47	19.3	ng/ul	668277	2	10.52	693149	20.0
(DEL) Alkane: Str...	11.52	13.2	ng/ul	457618	2	10.52	693149	20.0
1-Iodo-2-methylno...	11.93	48.2	ng/ul	1671970	2	10.52	693149	20.0
Naphthalene, 1-me...	12.42	190.0	ng/ul	6584060	2	10.52	693149	20.0
(DEL) Alkane: Str...	12.89	7.8	ng/ul	640491	3	14.38	1648400	20.0
Naphthalene, 1-et...	13.40	20.2	ng/ul	1665420	3	14.38	1648400	20.0
Naphthalene, 1,6-...	13.54	48.8	ng/ul	4023670	3	14.38	1648400	20.0
Naphthalene, 2,3-...	13.70	72.3	ng/ul	5958260	3	14.38	1648400	20.0
(DEL) Alkane: Str...	14.26	32.2	ng/ul	2653300	3	14.38	1648400	20.0
Naphthalene, 2,3,...	14.59	16.6	ng/ul	1367900	3	14.38	1648400	20.0
(DEL) Alkane: Str...	15.22	25.2	ng/ul	2077780	3	14.38	1648400	20.0
1H-Phenylene	15.26	10.6	ng/ul	869507	3	14.38	1648400	20.0
3,3'-Dimethylbiph...	15.31	5.5	ng/ul	449037	3	14.38	1648400	20.0
(DEL) Alkane: Str...	15.62	19.7	ng/ul	1621740	3	14.38	1648400	20.0
Dibenzofuran, 4-m...	15.72	12.4	ng/ul	1019420	3	14.38	1648400	20.0
9H-Fluorene-9-ol	15.87	15.0	ng/ul	959384	4	17.13	1280500	20.0
9H-Fluorene, 2-me...	16.43	29.5	ng/ul	1889910	4	17.13	1280500	20.0
9H-Fluorene, 1-me...	16.49	18.3	ng/ul	1170930	4	17.13	1280500	20.0
2,2-Dimethyl-1-ac...	16.66	10.4	ng/ul	664450	4	17.13	1280500	20.0
Dodecane, 1-iodo-	16.87	33.8	ng/ul	2162690	4	17.13	1280500	20.0
(DEL) Alkane: Str...	16.92	11.6	ng/ul	744256	4	17.13	1280500	20.0
Dibenzothiophene	16.95	20.4	ng/ul	1308500	4	17.13	1280500	20.0
unknown-01	17.53	7.6	ng/ul	485165	4	17.13	1280500	20.0
(DEL) Alkane: Str...	17.61	25.0	ng/ul	1602380	4	17.13	1280500	20.0
Dibenzo[a,e]cyclo...	17.65	7.5	ng/ul	482407	4	17.13	1280500	20.0
Dibenzothiophene,...	17.72	11.8	ng/ul	752659	4	17.13	1280500	20.0
Phenanthrene, 1-m...	18.01	53.5	ng/ul	3425490	4	17.13	1280500	20.0
Phenanthrene, 2-m...	18.06	59.4	ng/ul	3802580	4	17.13	1280500	20.0
4H-Cyclopenta[def...	18.20	73.4	ng/ul	4701370	4	17.13	1280500	20.0
Phenanthrene, 4-m...	18.24	27.9	ng/ul	1789260	4	17.13	1280500	20.0
(DEL) Alkane: Str...	18.31	19.5	ng/ul	1246170	4	17.13	1280500	20.0
5,16[1',2']:8,13[...	18.51	20.8	ng/ul	1331380	4	17.13	1280500	20.0
9,10-Anthracenedione	18.56	7.1	ng/ul	457214	4	17.13	1280500	20.0