

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
 Data File : BN005599.D
 Acq On : 10 May 2019 21:23
 Operator : JU/SJ
 Sample : K2604-21ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92ME

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_N\METHODS\SOM-EPA-BN041919MA.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	6.769	634	643	649	rVV	394968	784365	1.84%	0.182%
2	7.122	697	703	710	rBV	440069	715701	1.68%	0.166%
3	7.581	775	781	791	rBV	839178	1362018	3.19%	0.316%
4	8.287	894	901	912	rVV	517776	920198	2.16%	0.214%
5	8.722	970	975	986	rVV	477789	940118	2.20%	0.218%
6	9.775	1145	1154	1160	rBV3	437411	1176509	2.76%	0.273%
7	9.975	1183	1188	1196	rVB	516825	919796	2.16%	0.214%
8	10.340	1242	1250	1254	rBV	1166639	2136008	5.01%	0.496%
9	10.399	1254	1260	1268	rVV	8830935	15341163	35.98%	3.564%
10	10.487	1269	1275	1285	rVV2	417183	953052	2.23%	0.221%
11	12.022	1527	1536	1544	rVB	12819455	21659311	50.79%	5.031%
12	12.240	1561	1573	1583	rBV	8635671	14044031	32.93%	3.262%
13	13.045	1703	1710	1723	rVB	3242265	5104951	11.97%	1.186%
14	13.240	1737	1743	1755	rVB	1082252	2439637	5.72%	0.567%
15	13.375	1759	1766	1768	rBV	2562882	4264555	10.00%	0.991%
16	13.540	1784	1794	1799	rBV	4731700	8454858	19.83%	1.964%
17	13.592	1799	1803	1807	rVV	2859245	4304487	10.09%	1.000%
18	13.634	1807	1810	1812	rVV	1241631	1671483	3.92%	0.388%
19	13.669	1812	1816	1822	rVB	3950019	5842030	13.70%	1.357%
20	13.775	1828	1834	1838	rBV	2267741	3597784	8.44%	0.836%
21	13.940	1851	1862	1877	rVB2	10403488	18174741	42.62%	4.222%
22	14.198	1899	1906	1915	rBV3	1938670	4930480	11.56%	1.145%
23	14.281	1915	1920	1923	rBV	1244304	1908604	4.48%	0.443%
24	14.439	1940	1947	1955	rBV4	540872	1333563	3.13%	0.310%
25	14.622	1968	1978	1986	rBV2	1728345	3486663	8.18%	0.810%
26	14.698	1986	1991	1996	rVB	1094636	1529105	3.59%	0.355%
27	14.828	2007	2013	2019	rBV2	1907390	3830318	8.98%	0.890%
28	14.898	2022	2025	2028	rVB	744087	858765	2.01%	0.199%
29	14.992	2036	2041	2043	rBV	757485	1074817	2.52%	0.250%
30	15.098	2054	2059	2065	rVB	2428920	3428960	8.04%	0.796%
31	15.216	2074	2079	2084	rVB2	3214207	4796068	11.25%	1.114%
32	15.298	2084	2093	2101	rVB3	1082412	2615679	6.13%	0.608%
33	15.398	2101	2110	2113	rBV3	906018	1968020	4.62%	0.457%
34	15.475	2119	2123	2134	rVB2	874923	1921340	4.51%	0.446%

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
 Data File : BN005599.D
 Acq On : 10 May 2019 21:23
 Operator : JU/SJ
 Sample : K2604-21ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92ME

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_N\METHODS\SOM-EPA-BN041919MA.M
 Title : SVOA CALIBRATION

35	15.569	2134	2139	2143	rBV2	925976	1588401	3.72%	0.369%
36	15.686	2154	2159	2163	rBV	2957874	4251737	9.97%	0.988%
37	15.957	2199	2205	2209	rBV2	927424	1435055	3.37%	0.333%
38	16.281	2254	2260	2265	rVV3	881636	1977235	4.64%	0.459%
39	16.333	2265	2269	2273	rVB2	504510	707682	1.66%	0.164%
40	16.428	2281	2285	2291	rBV3	711341	1109615	2.60%	0.258%
41	16.639	2317	2321	2328	rVB2	1021398	1503090	3.52%	0.349%
42	16.792	2342	2347	2357	rVB	3167980	5061840	11.87%	1.176%
43	16.975	2373	2378	2381	rBV	1726927	2766364	6.49%	0.643%
44	17.033	2381	2388	2392	rVV2	23881014	42642967	100.00%	9.905%
45	17.081	2392	2396	2398	rVV	1829423	2610277	6.12%	0.606%
46	17.116	2398	2402	2407	rVV	7005692	9579633	22.46%	2.225%
47	17.169	2407	2411	2417	rVV2	575962	1087520	2.55%	0.253%
48	17.498	2463	2467	2472	rVB	1235528	1516381	3.56%	0.352%
49	17.557	2473	2477	2487	rVB3	1721427	2846396	6.67%	0.661%
50	17.698	2498	2501	2508	rVB	1024375	1863871	4.37%	0.433%
51	17.780	2509	2515	2522	rBV2	795106	1479654	3.47%	0.344%
52	17.857	2522	2528	2532	rBV	5874243	8238093	19.32%	1.914%
53	17.904	2532	2536	2544	rVB	6306959	8725429	20.46%	2.027%
54	17.986	2545	2550	2555	rBV	2535091	3526854	8.27%	0.819%
55	18.051	2555	2561	2565	rVV2	7003247	13136812	30.81%	3.051%
56	18.086	2565	2567	2576	rVB	3760558	4720403	11.07%	1.096%
57	18.363	2609	2614	2618	rBV	3232929	4219943	9.90%	0.980%
58	18.516	2637	2640	2647	rVV3	355142	756749	1.77%	0.176%
59	18.610	2653	2656	2661	rVV3	773346	1325780	3.11%	0.308%
60	18.663	2661	2665	2668	rVV	984065	1418124	3.33%	0.329%
61	18.704	2668	2672	2676	rVB3	644354	932219	2.19%	0.217%
62	18.786	2681	2686	2691	rBV2	2893419	4698396	11.02%	1.091%
63	18.851	2691	2697	2700	rVV3	1619900	3507551	8.23%	0.815%
64	18.880	2700	2702	2706	rVB	1591658	1638924	3.84%	0.381%
65	18.933	2706	2711	2718	rBV3	1313652	2865246	6.72%	0.666%
66	19.057	2726	2732	2737	rBV	13119315	18127853	42.51%	4.211%
67	19.122	2740	2743	2746	rVV	565867	733571	1.72%	0.170%
68	19.204	2753	2757	2762	rVB	5124763	6690652	15.69%	1.554%
69	19.298	2769	2773	2775	rBV	536095	764820	1.79%	0.178%
70	19.327	2775	2778	2783	rVB	789251	1097684	2.57%	0.255%
71	19.427	2784	2795	2803	rBV	16605139	27599915	64.72%	6.411%

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
 Data File : BN005599.D
 Acq On : 10 May 2019 21:23
 Operator : JU/SJ
 Sample : K2604-21ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92ME

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_N\METHODS\SOM-EPA-BN041919MA.M
 Title : SVOA CALIBRATION

72	19.498	2803	2807	2813	rVB2	641738	1000520	2.35%	0.232%
73	19.598	2820	2824	2831	rVV3	556335	1152025	2.70%	0.268%
74	19.751	2845	2850	2860	rVB	1527795	3066022	7.19%	0.712%
75	19.892	2868	2874	2876	rBV3	1477576	2625831	6.16%	0.610%
76	19.927	2876	2880	2884	rVB	3725671	5167882	12.12%	1.200%
77	20.027	2893	2897	2902	rBV	2873508	3443904	8.08%	0.800%
78	20.086	2902	2907	2911	rBV	2144542	2674988	6.27%	0.621%
79	20.180	2918	2923	2927	rBV2	718954	1253775	2.94%	0.291%
80	20.227	2927	2931	2934	rVV	1572314	2321999	5.45%	0.539%
81	20.274	2934	2939	2948	rVB2	2484502	3923033	9.20%	0.911%
82	20.845	3033	3036	3040	rVV	1176004	1555979	3.65%	0.361%
83	20.886	3040	3043	3046	rVB	1425191	1547018	3.63%	0.359%
84	20.927	3046	3050	3054	rBV	914145	1254870	2.94%	0.291%
85	21.198	3090	3096	3101	rBV3	7902407	14165038	33.22%	3.290%
86	21.245	3101	3104	3111	rVB	4976165	6863689	16.10%	1.594%
87	21.763	3189	3192	3197	rVV2	1579921	2357620	5.53%	0.548%
88	21.816	3197	3201	3205	rVB	916051	1209929	2.84%	0.281%
89	21.910	3214	3217	3221	rVB2	637267	840821	1.97%	0.195%
90	21.957	3221	3225	3227	rVV	739122	1016495	2.38%	0.236%
91	21.986	3227	3230	3237	rVV2	1122918	1553949	3.64%	0.361%
92	22.057	3238	3242	3247	rVB2	464880	703641	1.65%	0.163%
93	22.768	3356	3363	3367	rBV	2342485	5316824	12.47%	1.235%
94	22.927	3385	3390	3398	rVB	936223	1615883	3.79%	0.375%
95	23.227	3435	3441	3445	rBV	1564620	2869289	6.73%	0.666%
96	23.274	3445	3449	3452	rVV	945705	1554067	3.64%	0.361%
97	23.321	3452	3457	3463	rVB	3264764	5800782	13.60%	1.347%
98	23.410	3467	3472	3477	rBV	984937	1724823	4.04%	0.401%
99	25.598	3837	3844	3854	rVB	971451	2712262	6.36%	0.630%
100	26.268	3952	3958	3969	rVB2	713893	1971930	4.62%	0.458%

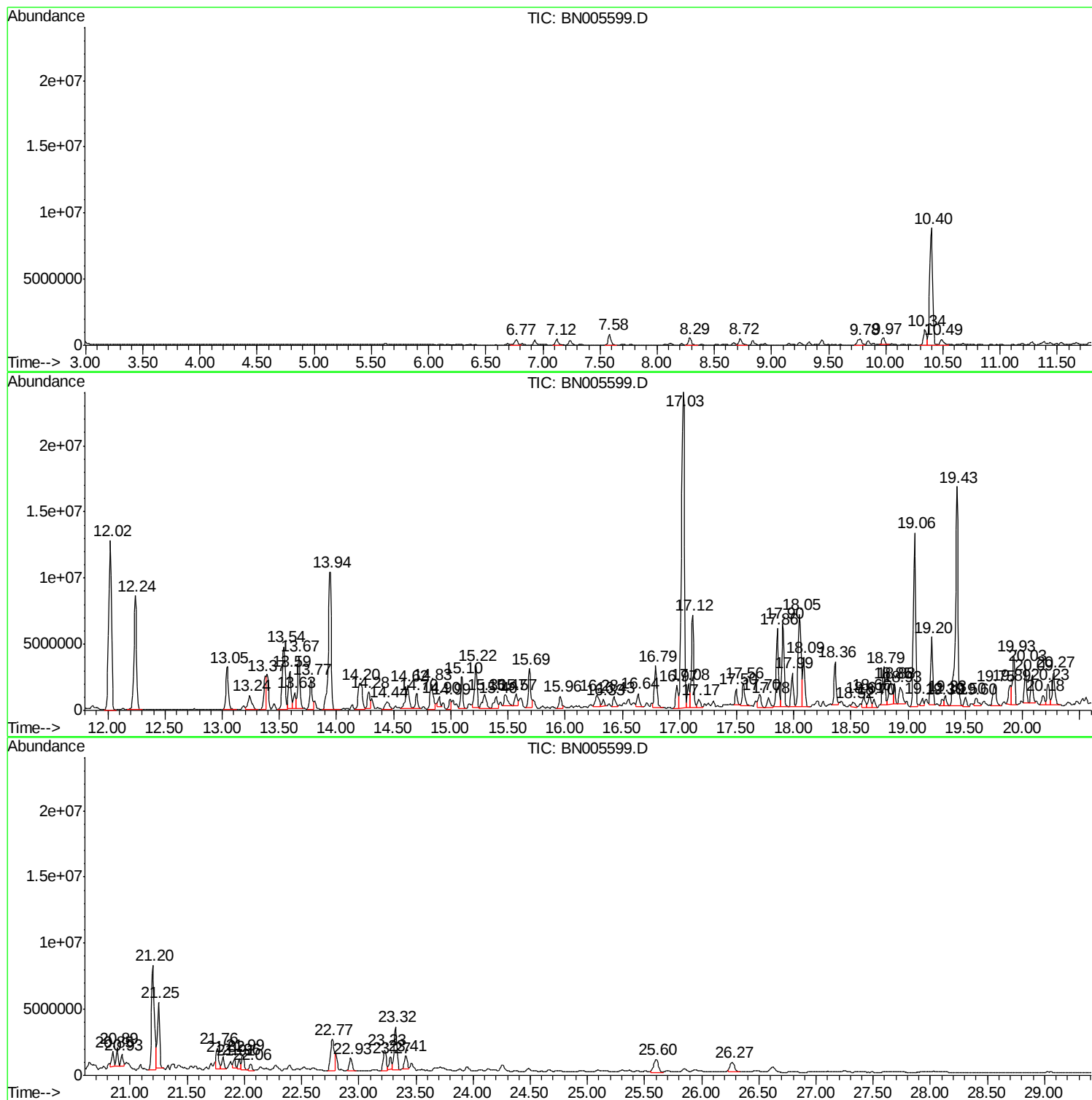
Sum of corrected areas: 430506802

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

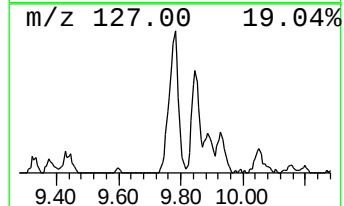
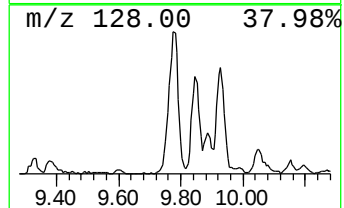
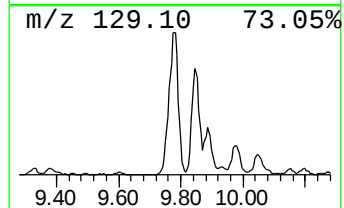
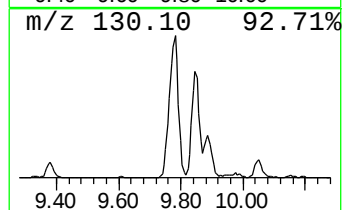
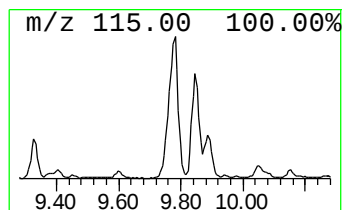
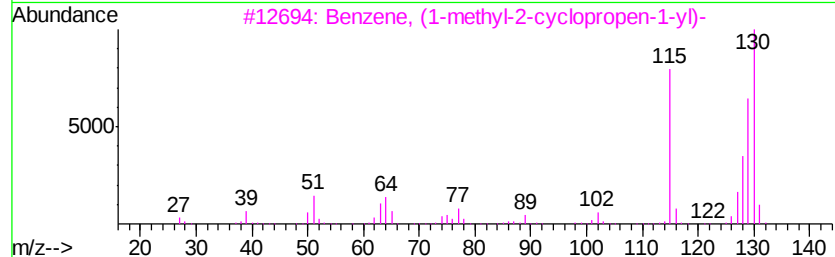
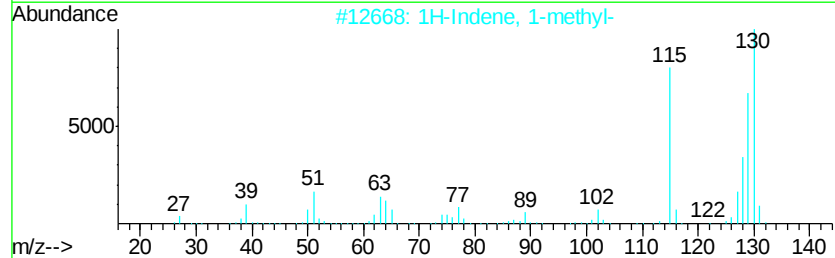
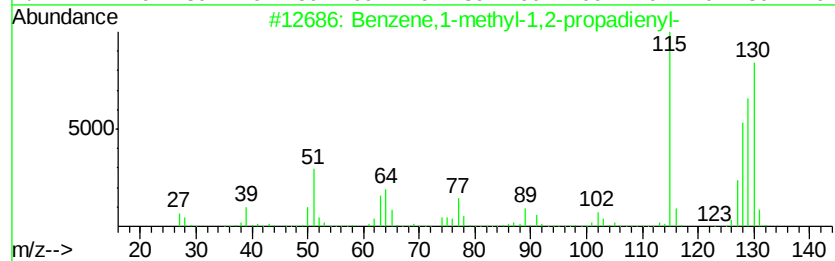
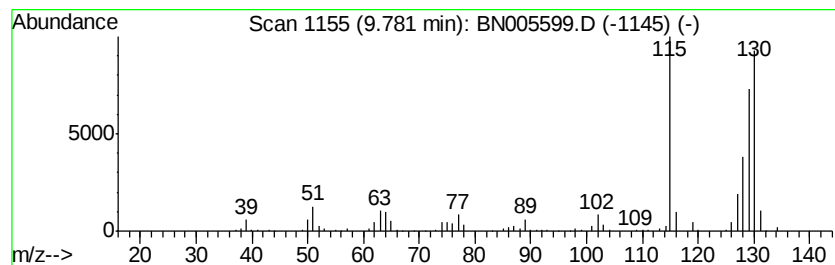
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzene,1-methyl-1,2-propad... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	11.02 ng/ul	1176510	Napthalene-d8	10.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
4		2-Methylindene	130	C10H10	002177-47-1	92
5		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

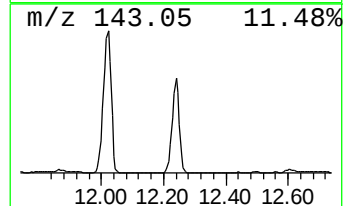
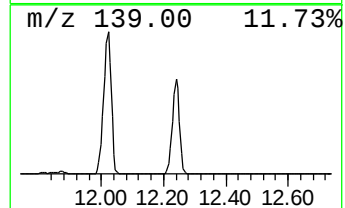
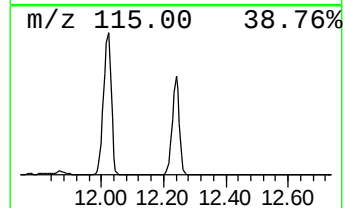
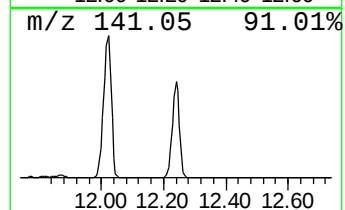
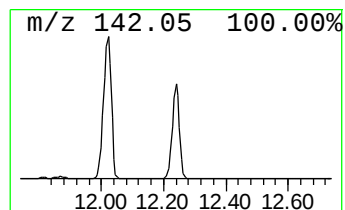
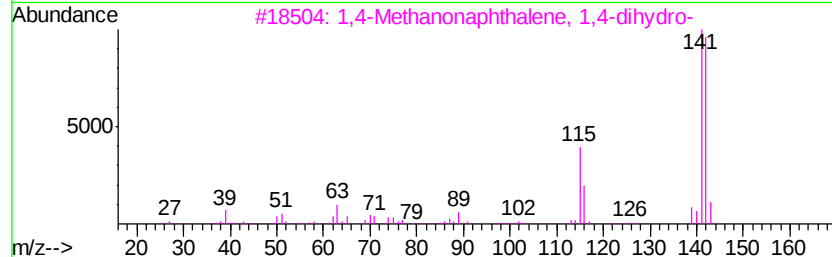
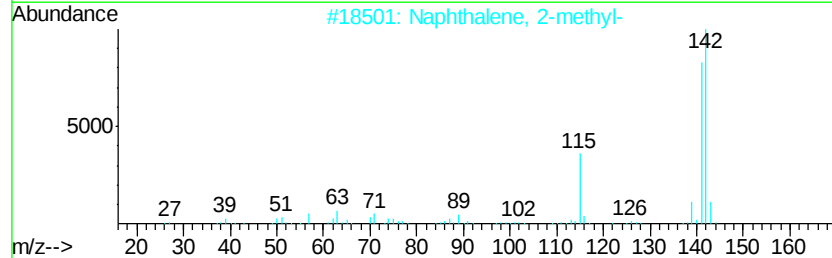
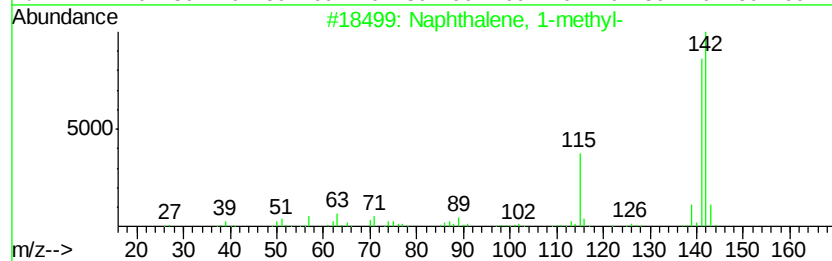
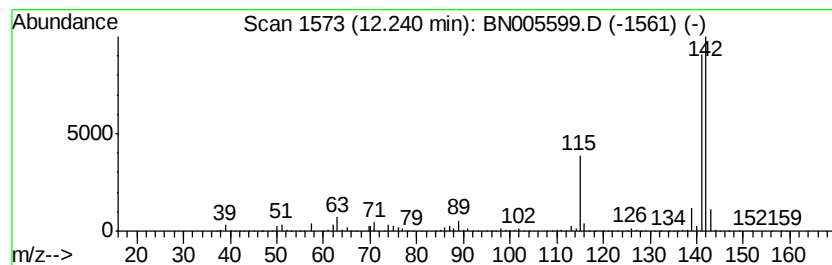
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	131.50 ng/ul	14044000	Naphthalene-d8	10.34

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		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

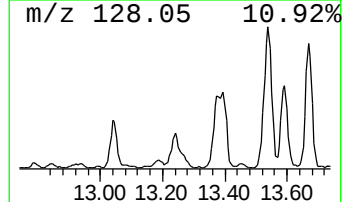
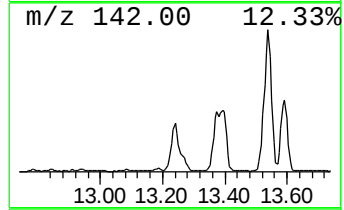
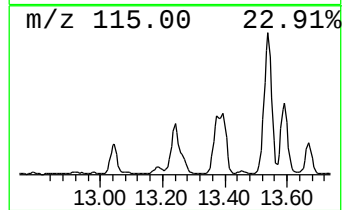
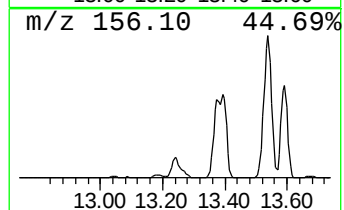
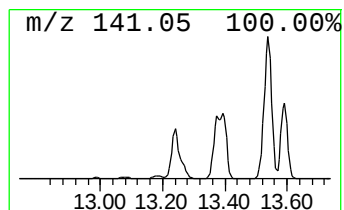
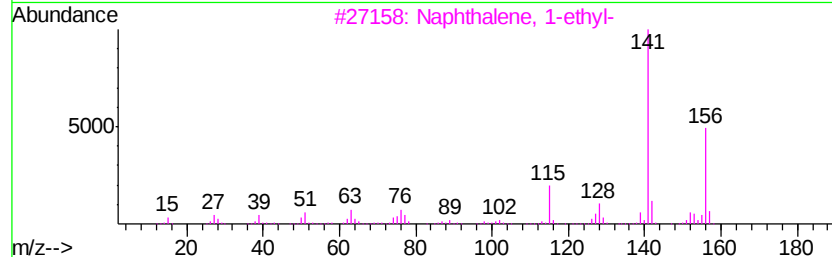
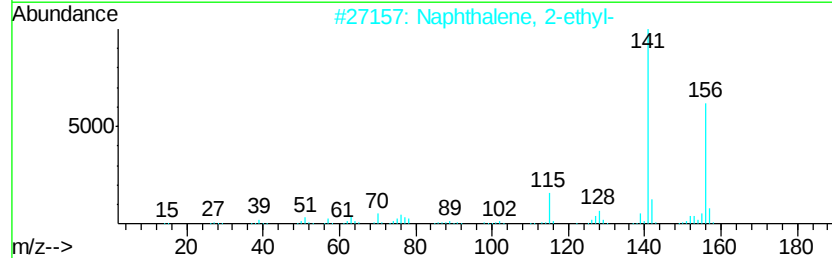
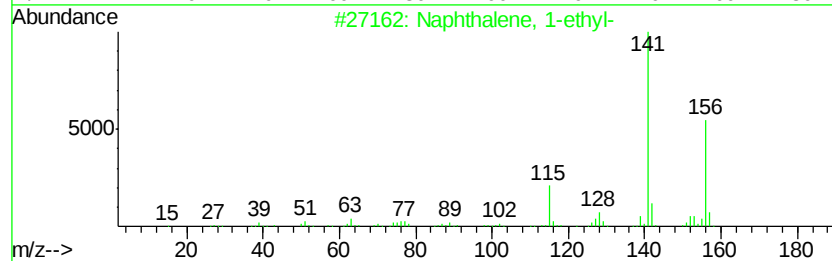
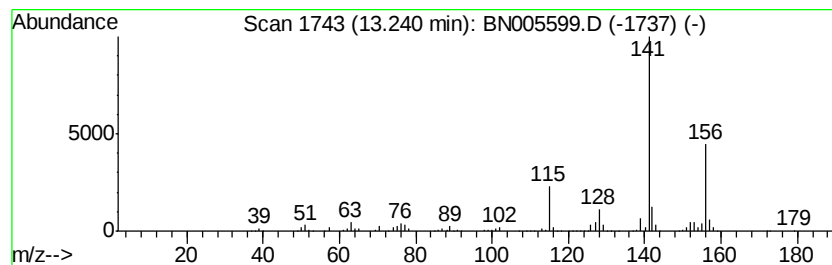
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	9.90 ng/ul	2439640	Acenaphthene-d10	14.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

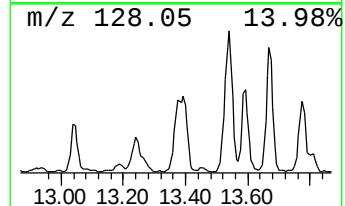
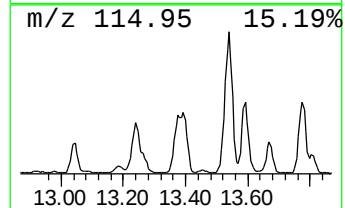
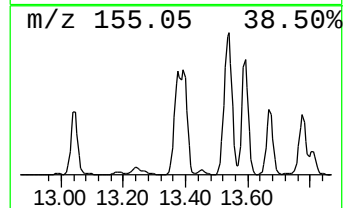
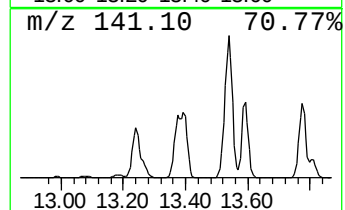
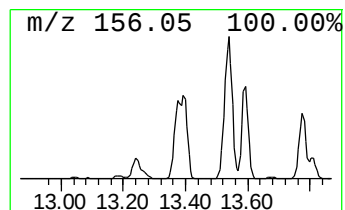
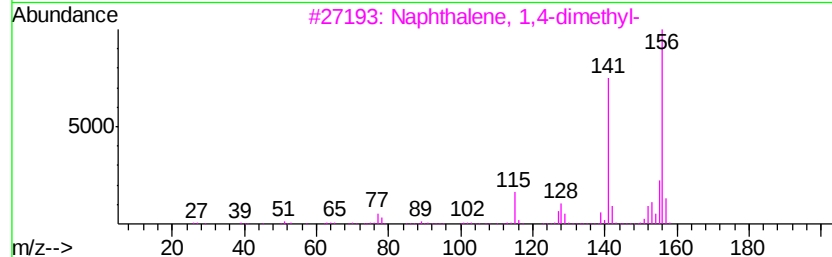
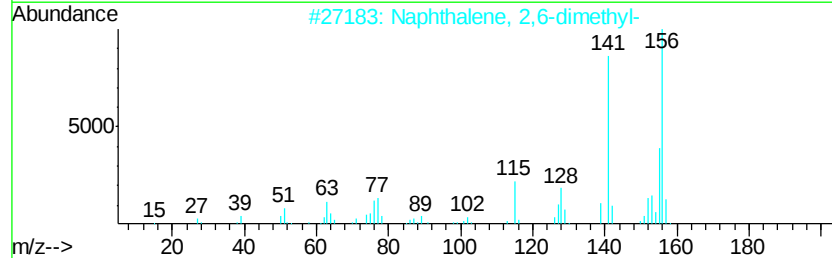
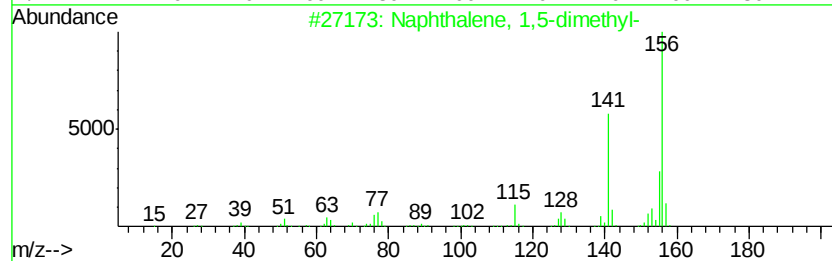
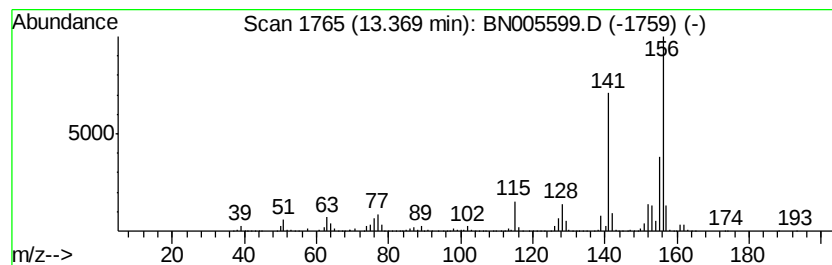
Instrument :
BNA_N
ClientSampleId :
GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	17.30 ng/ul	4264560	Acenaphthene-d10	14.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9	96
2	Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0	96
3	Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4	96
4	Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1	96
5	Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9	95



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

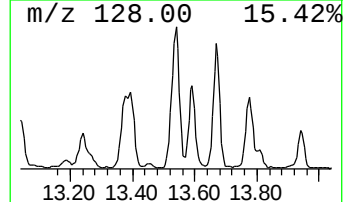
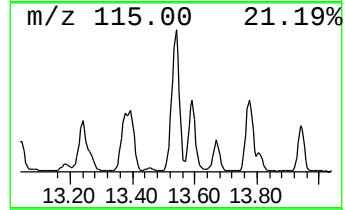
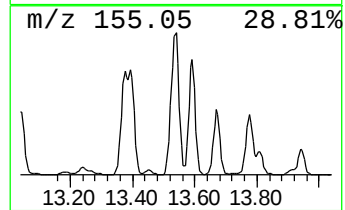
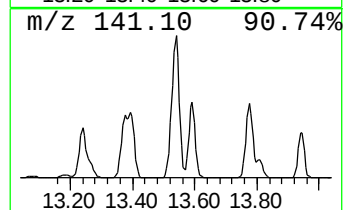
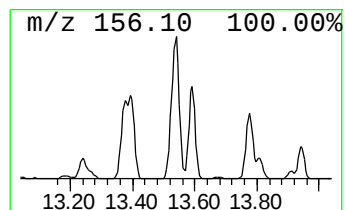
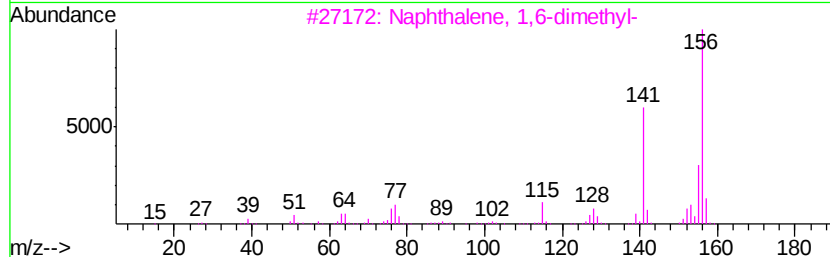
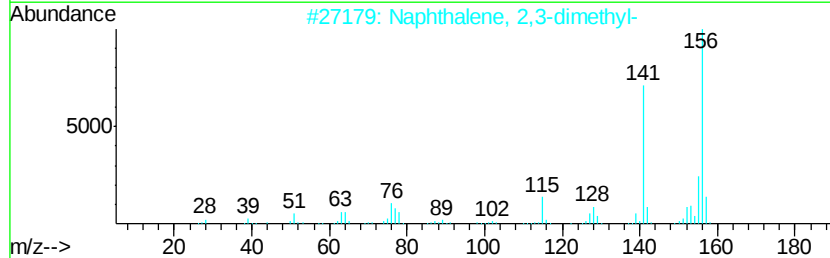
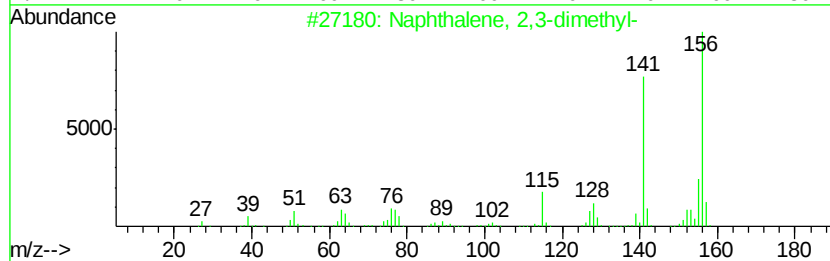
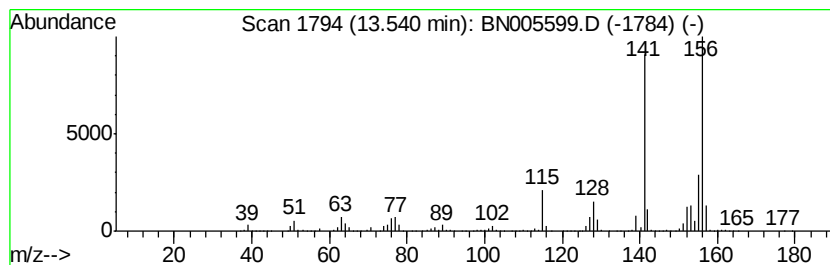
Instrument :
BNA_N
ClientSampleId :
GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.54	34.30 ng/ul	8454860	Acenaphthene-d10	14.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

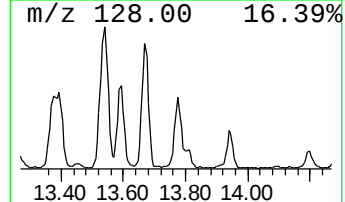
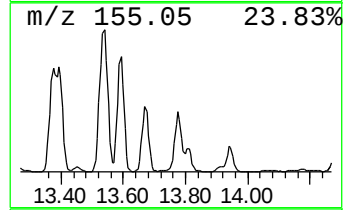
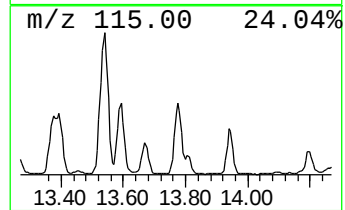
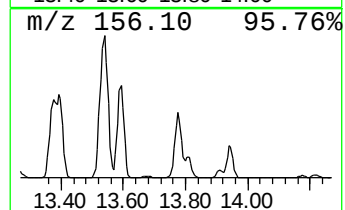
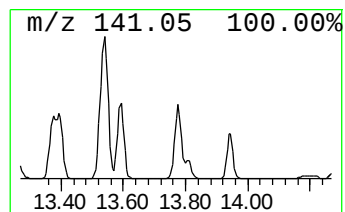
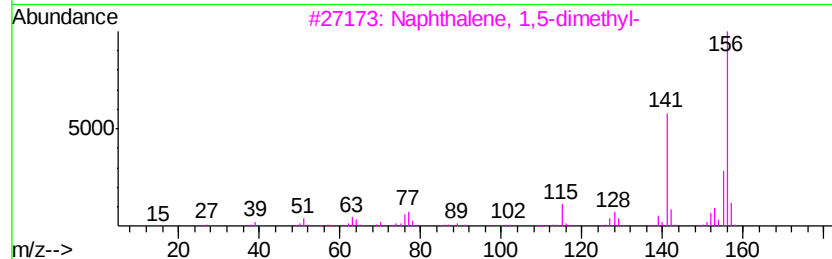
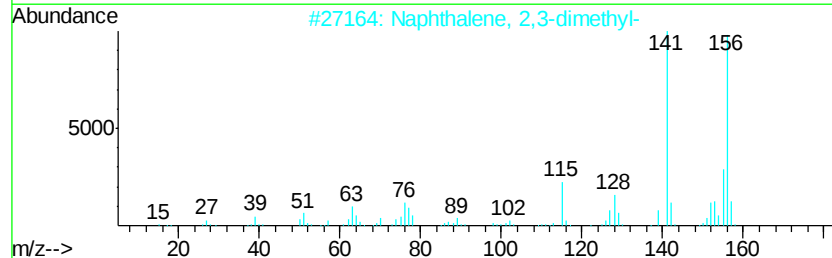
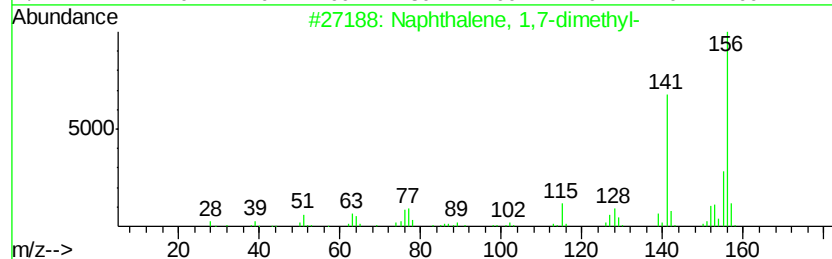
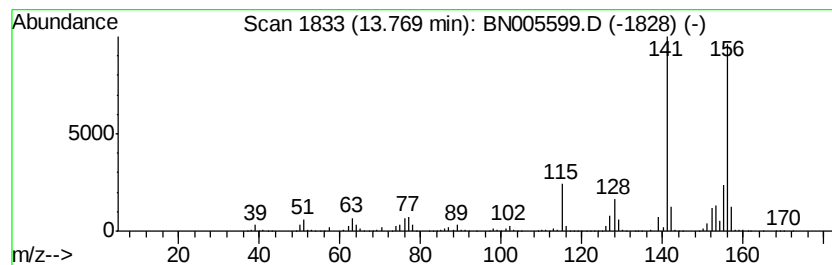
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	14.59 ng/ul	3597780	Acenaphthene-d10	14.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

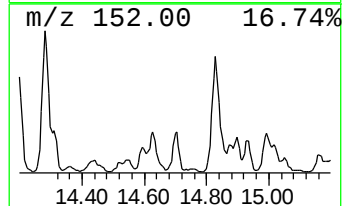
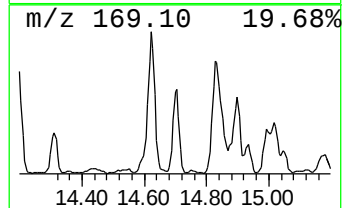
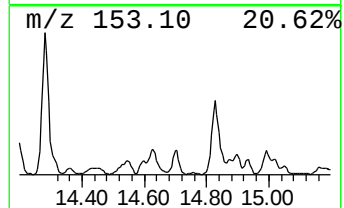
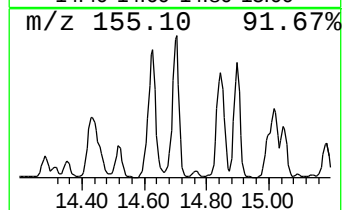
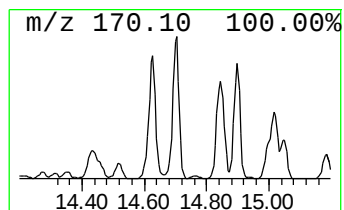
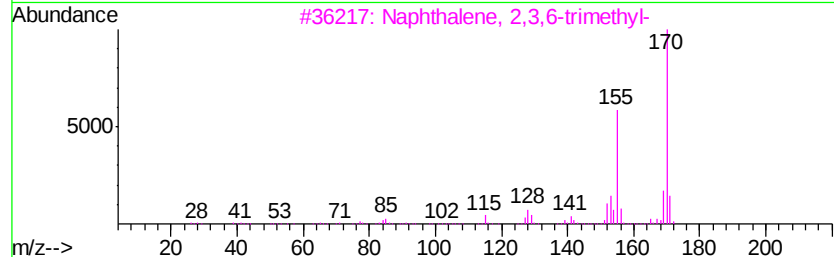
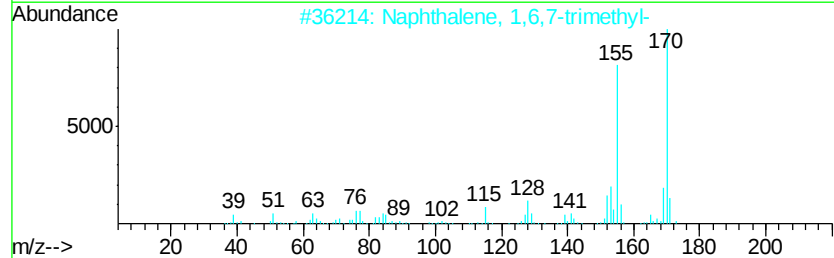
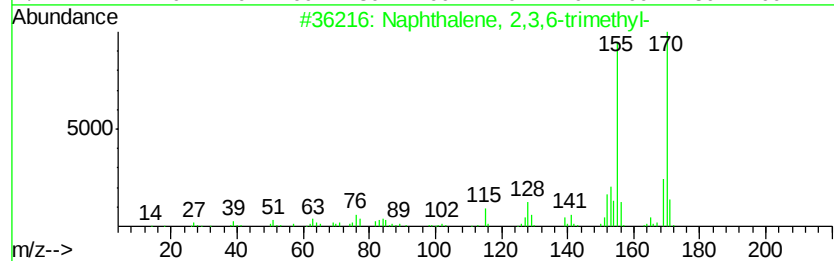
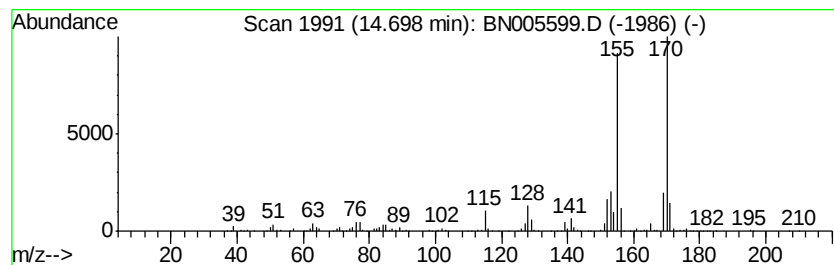
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	6.20 ng/ul	1529110	Acenaphthene-d10	14.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

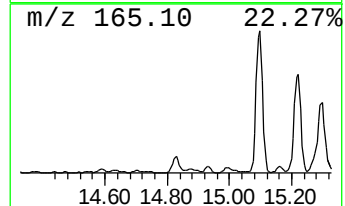
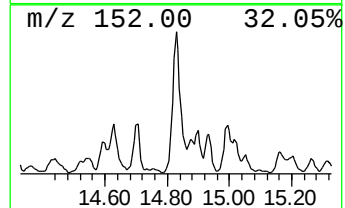
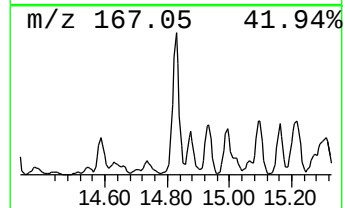
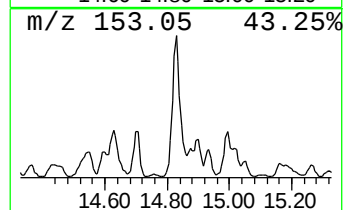
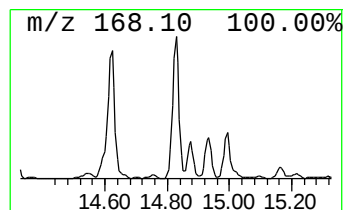
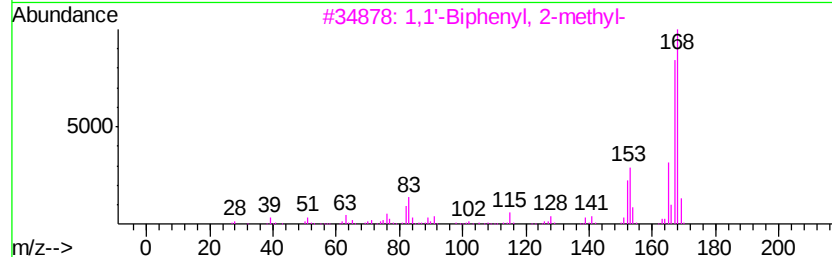
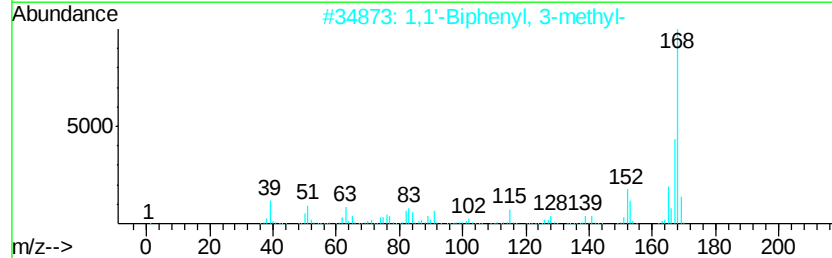
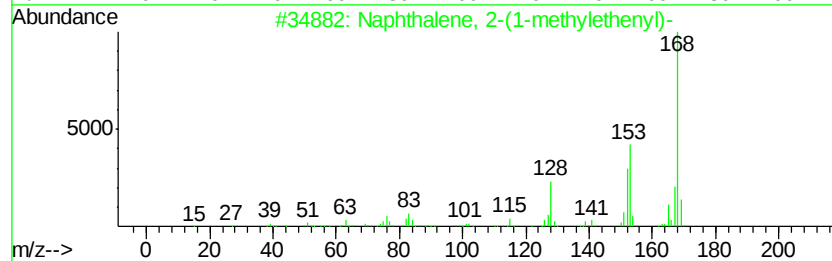
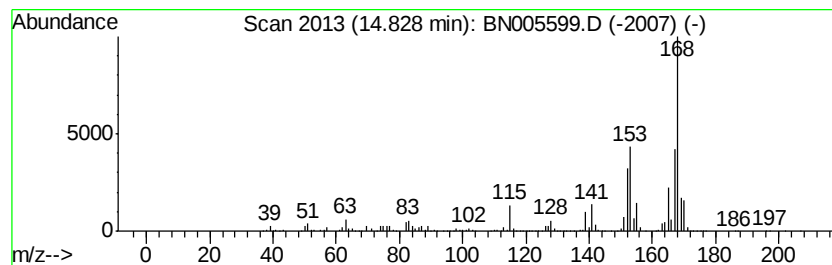
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	15.54 ng/ul	3830320	Acenaphthene-d10	14.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethenvl)-	168	C13H12	003710-23-4	52
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
4		Diphenylmethane	168	C13H12	000101-81-5	49
5		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

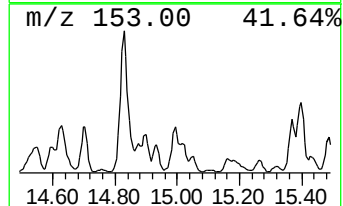
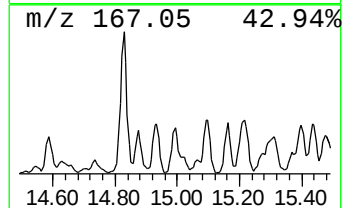
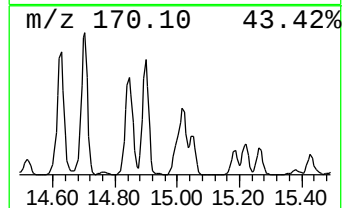
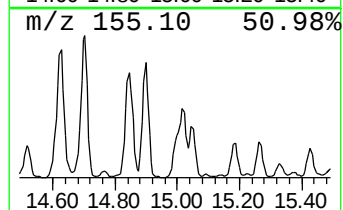
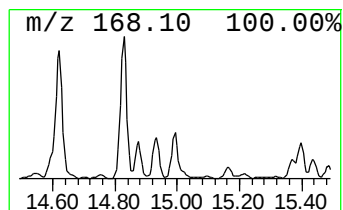
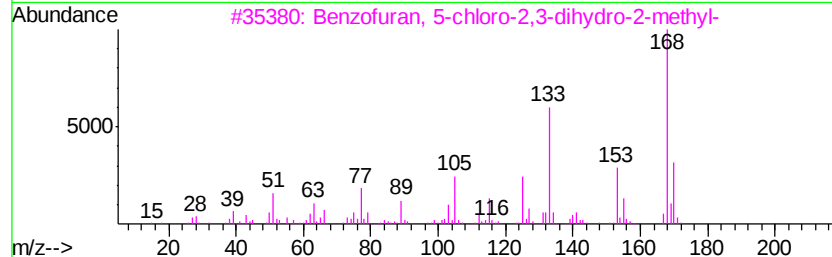
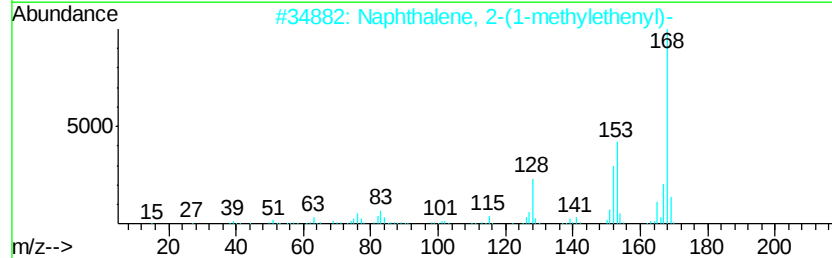
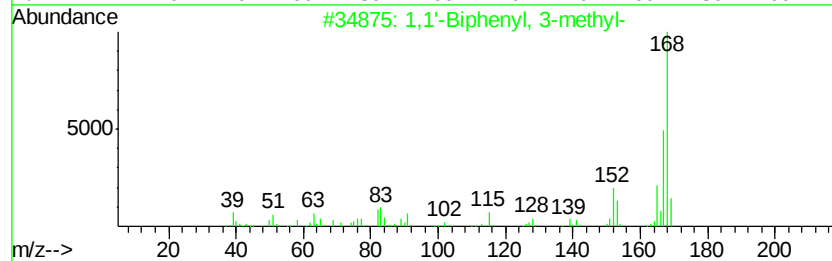
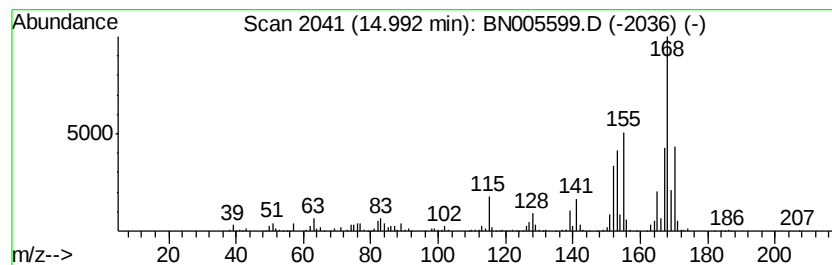
Instrument :
BNA_N
ClientSampleId :
GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 3-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	4.36 ng/ul	1074820	Acenaphthene-d10	14.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 50
2		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 49
3		Benzofuran, 5-chloro-2,3-dihydro...	168 C9H9ClO	054410-96-7 47
4		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 45
5		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 38



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

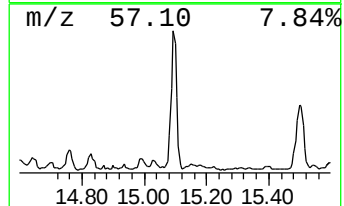
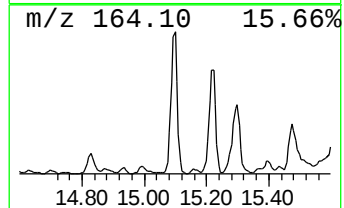
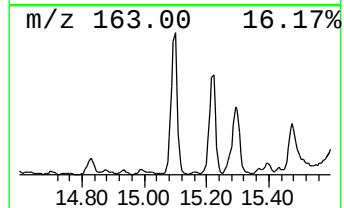
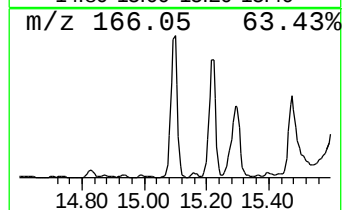
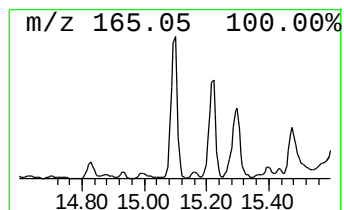
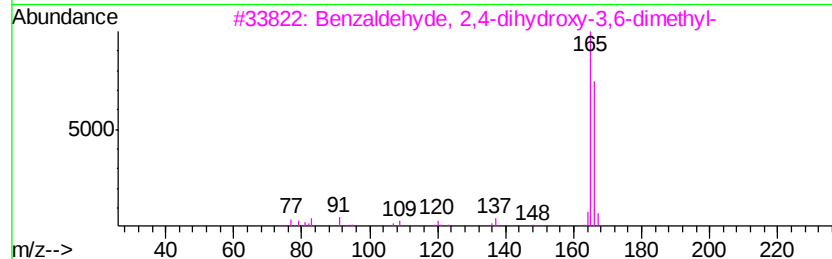
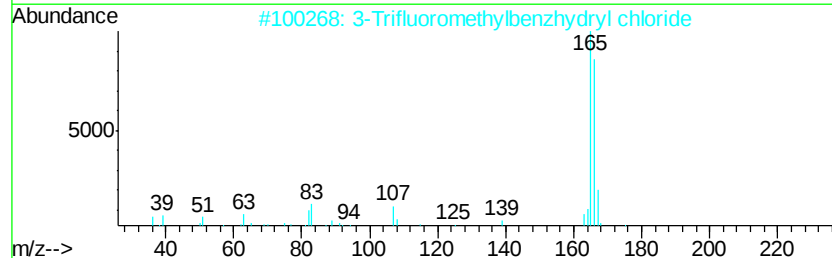
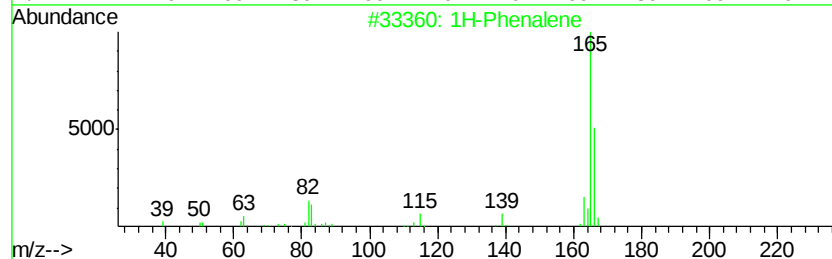
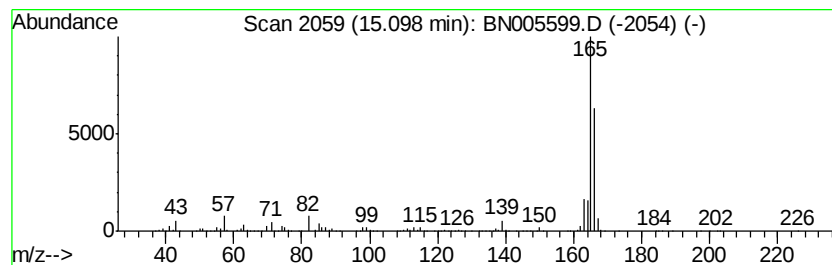
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 1H-Phenalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	13.91 ng/ul	3428960	Acenaphthene-d10	14.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Phenalene	166	C13H10	000203-80-5	78
2			3-Trifluoromethylbenzhvdryl chlo...	270	C14H10ClF3	067240-79-3	72
3			Benzaldehyd, 2,4-dihvdroxv-3,6-...	166	C9H10O3	034883-14-2	72
4			Fluorene	166	C13H10	000086-73-7	40
5			Fluorene	166	C13H10	000086-73-7	40



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

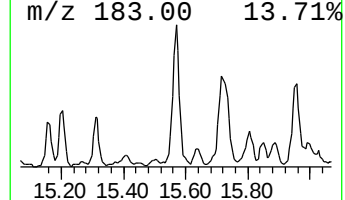
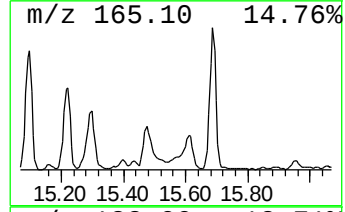
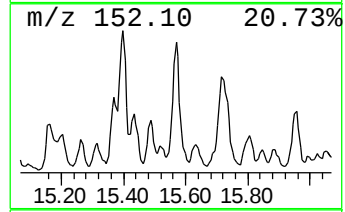
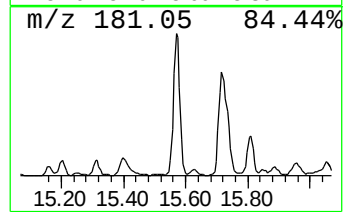
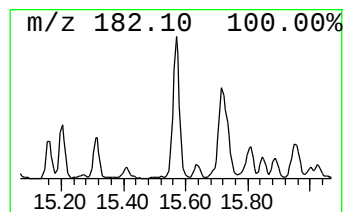
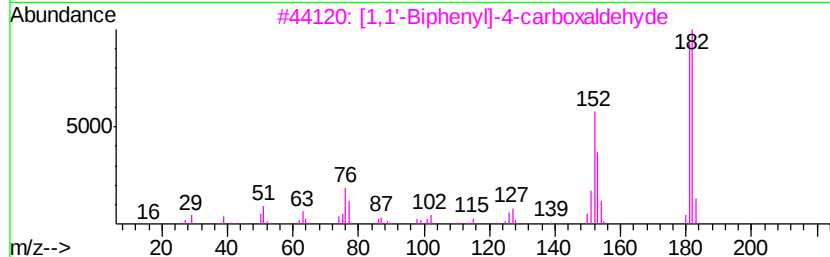
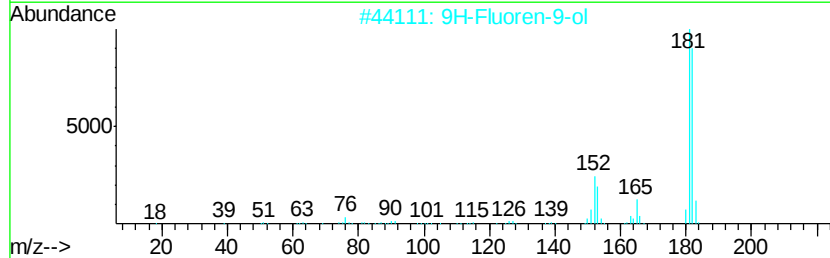
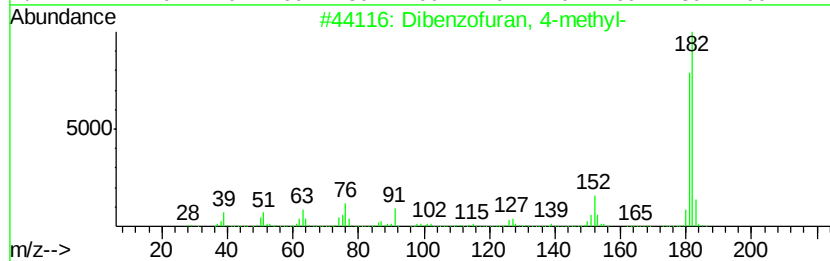
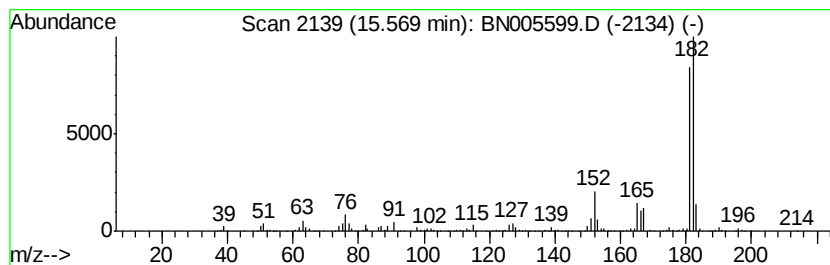
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	6.44 ng/ul	1588400	Acenaphthene-d10	14.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

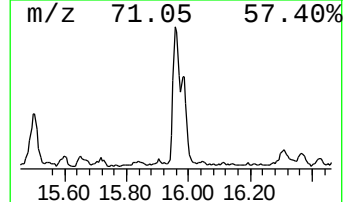
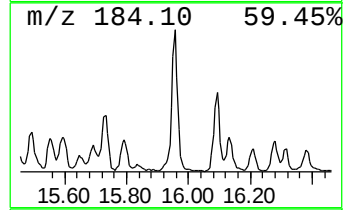
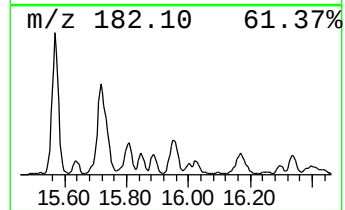
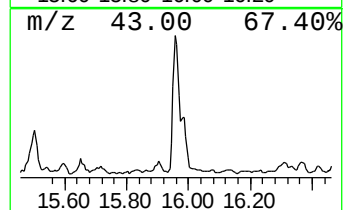
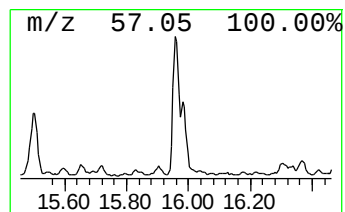
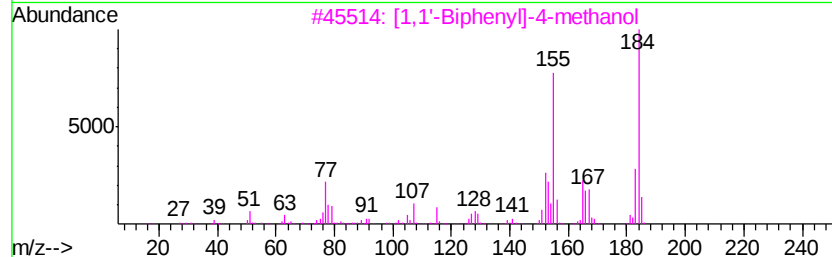
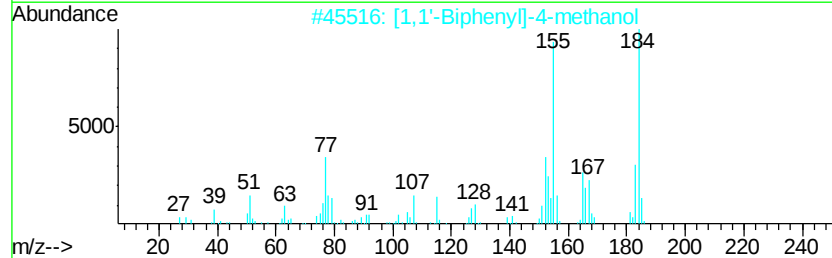
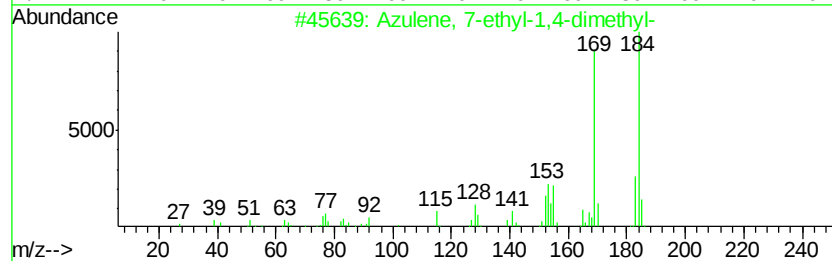
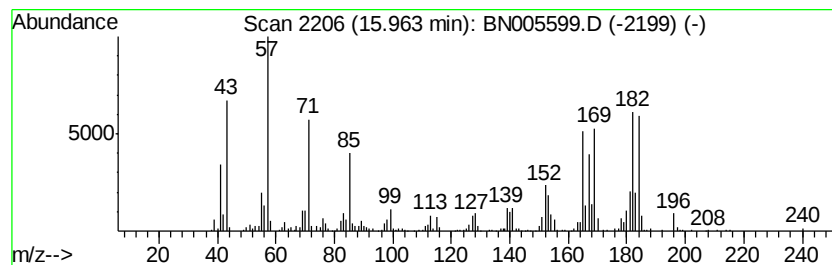
Instrument :
BNA_N
ClientSampleId :
GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 15 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	10.38 ng/ul	1435060	Phenanthrene-d10	16.97
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Azulene, 7-ethyl-1,4-dimethyl-	184 C14H16	000529-05-5 60
2		[1,1'-Biphenyl]-4-methanol	184 C13H12O	003597-91-9 48
3		[1,1'-Biphenyl]-4-methanol	184 C13H12O	003597-91-9 47
4		1,1'-Biphenyl, 2-methoxy-	184 C13H12O	000086-26-0 38
5		Phenol, 4-(phenylmethyl)-	184 C13H12O	000101-53-1 38



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

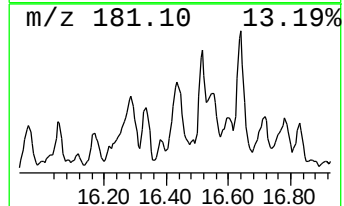
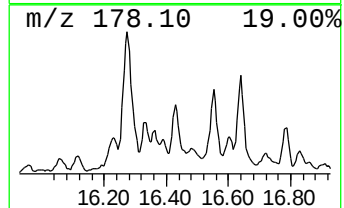
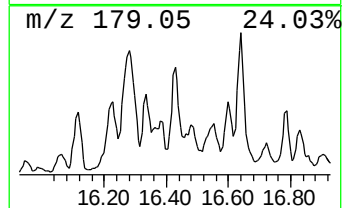
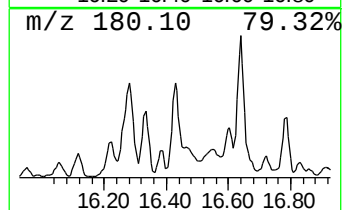
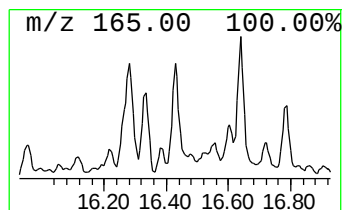
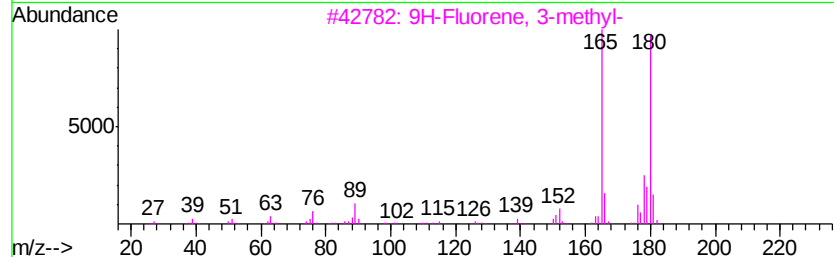
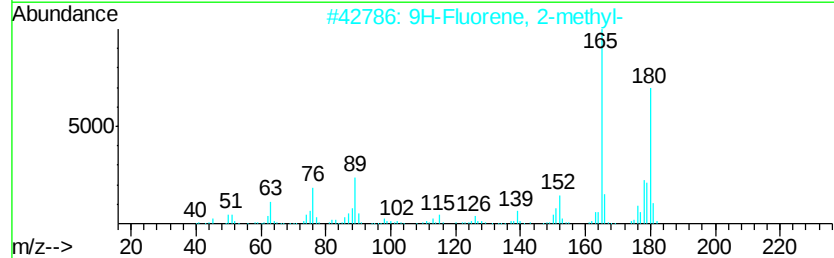
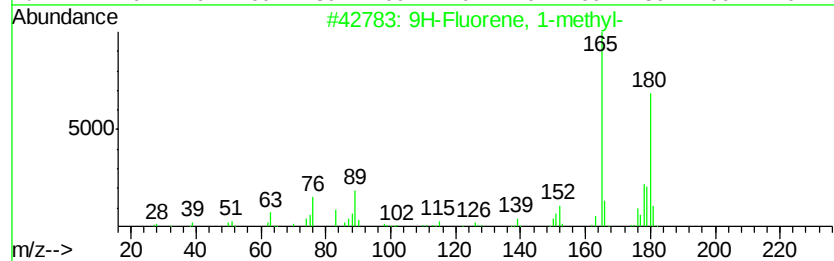
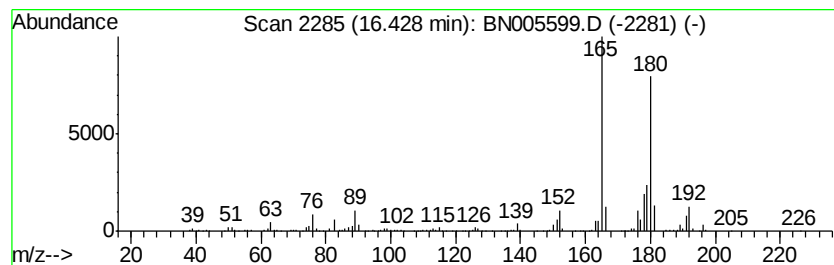
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	8.02 ng/ul	1109620	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

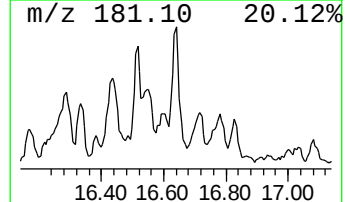
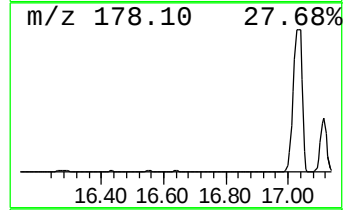
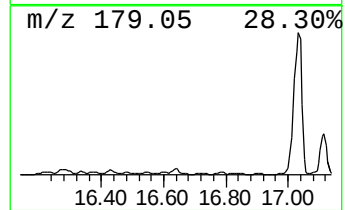
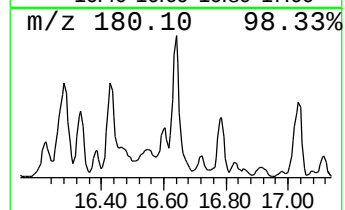
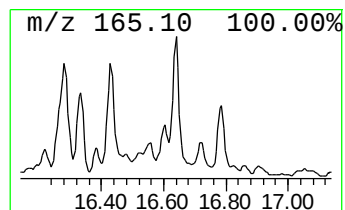
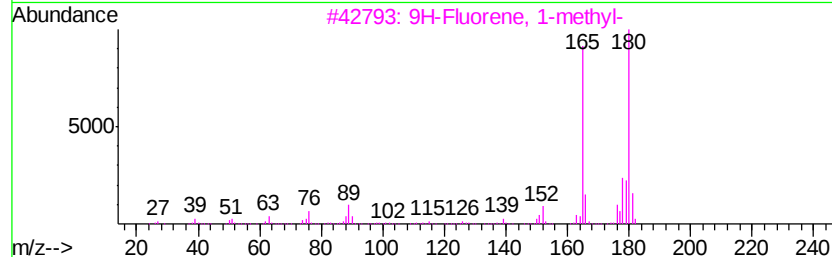
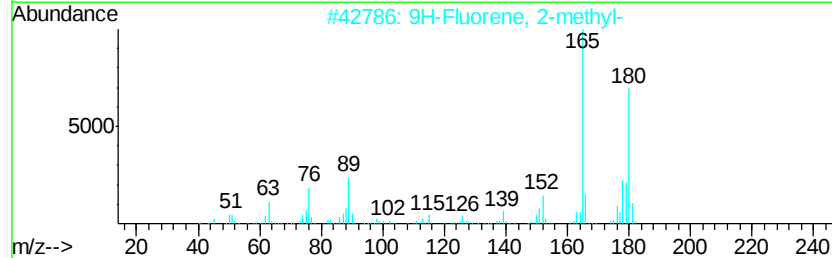
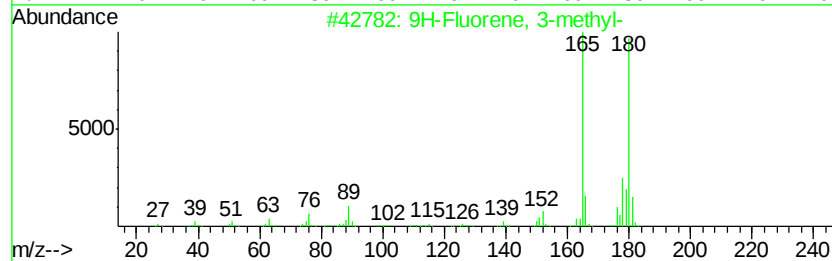
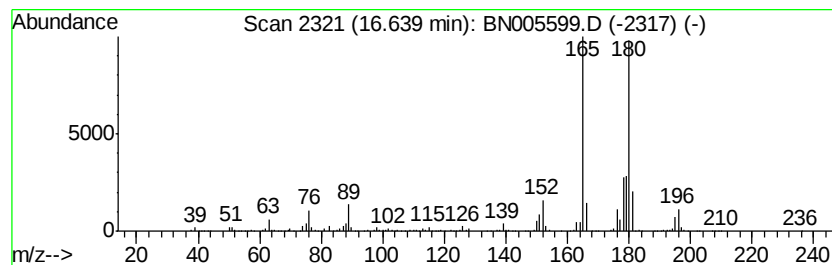
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 9H-Fluorene, 3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	10.87 ng/ul	1503090	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

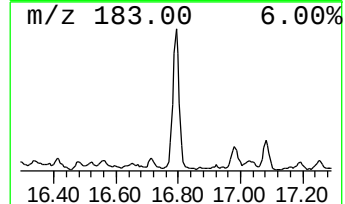
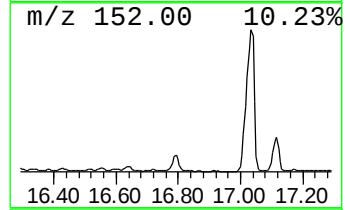
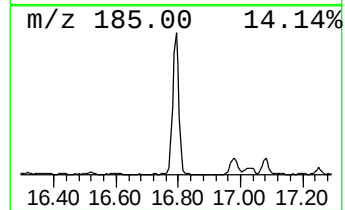
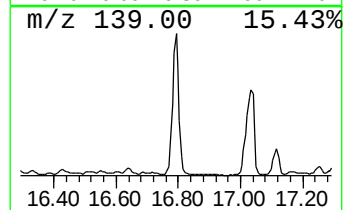
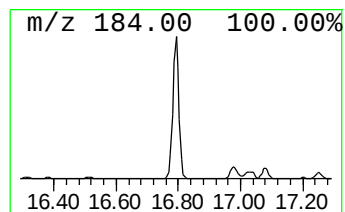
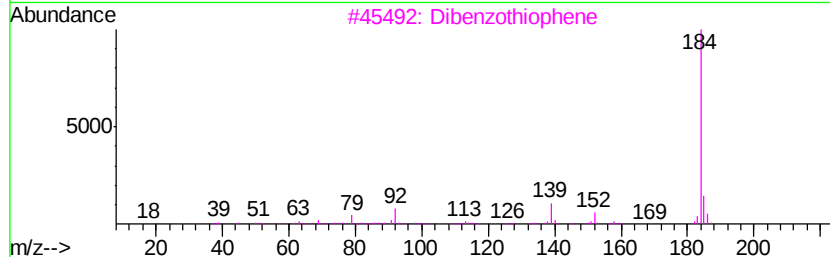
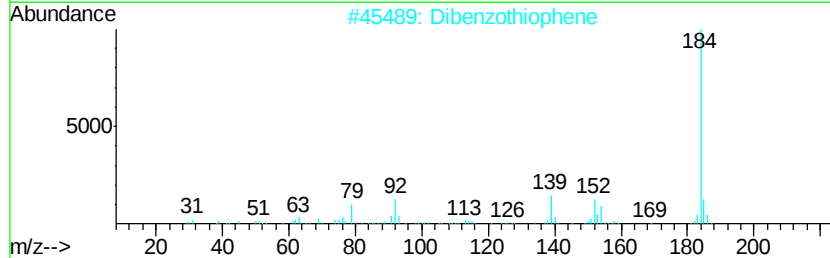
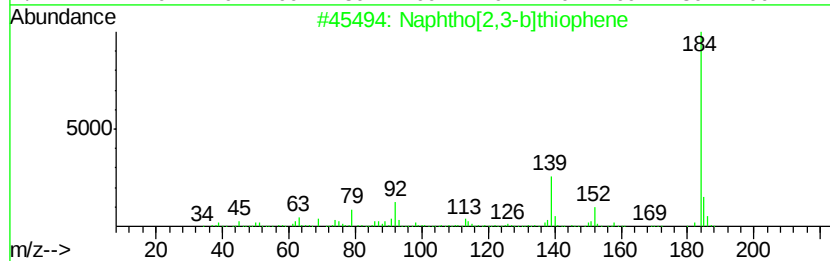
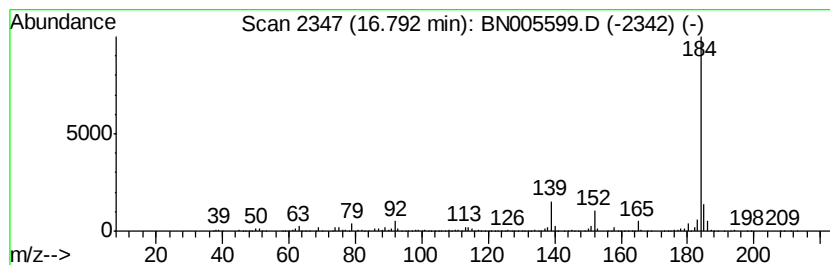
Instrument :
BNA_N
ClientSampleId :
GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.79	36.60 ng/ul	5061840	Phenanthrene-d10	16.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

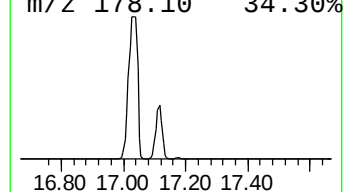
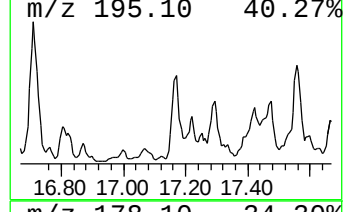
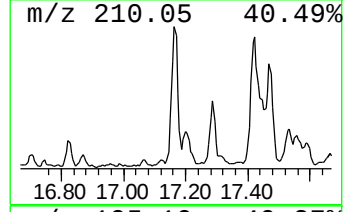
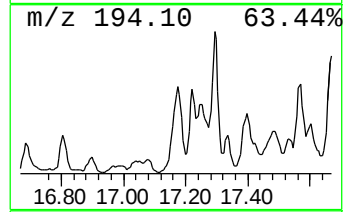
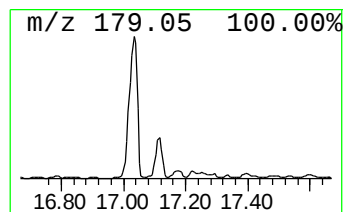
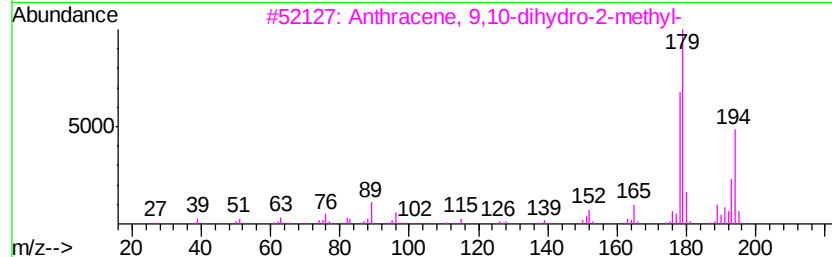
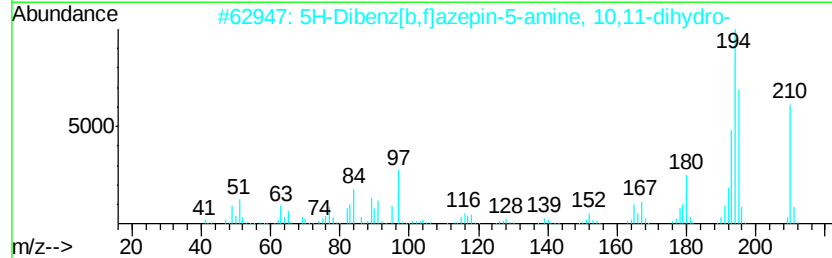
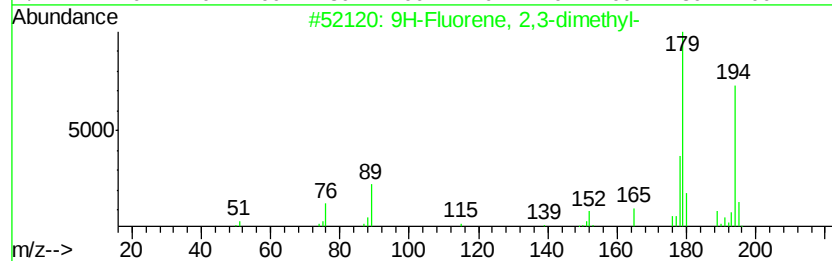
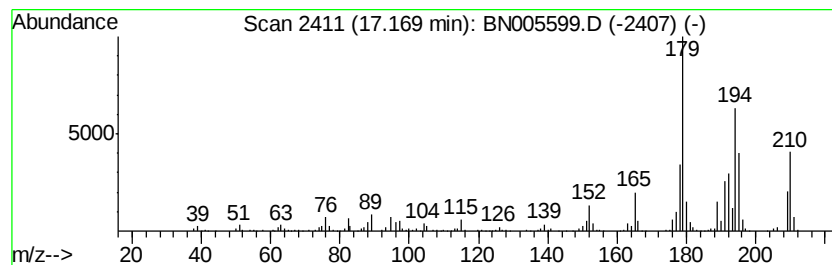
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 9H-Fluorene, 2,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	7.86 ng/ul	1087520	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	55
2			5H-Dibenz[b,f]azepin-5-amine, 10...	210	C14H14N2	007458-07-3	43
3			Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	41
4			Benzoic acid, 4-hydroxy-2-methoxy...	210	C11H14O4	034874-75-4	38
5			9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

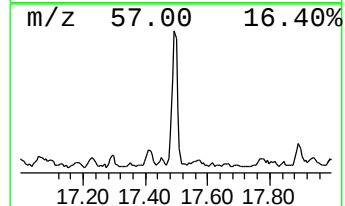
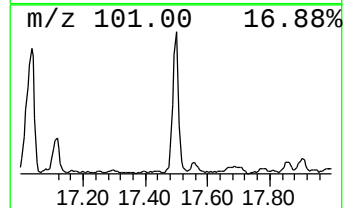
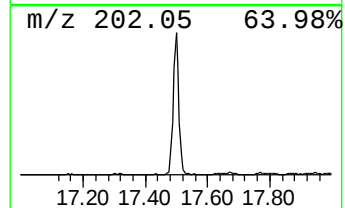
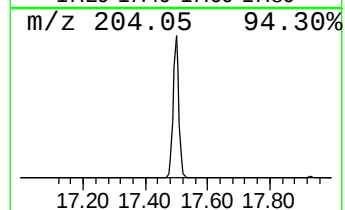
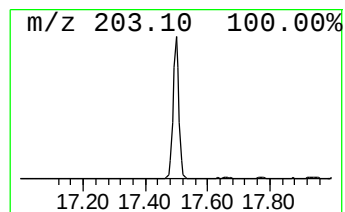
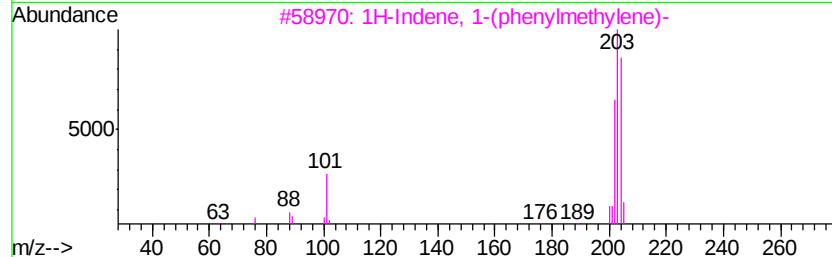
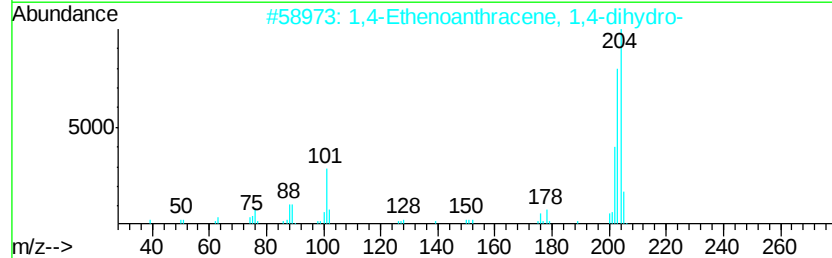
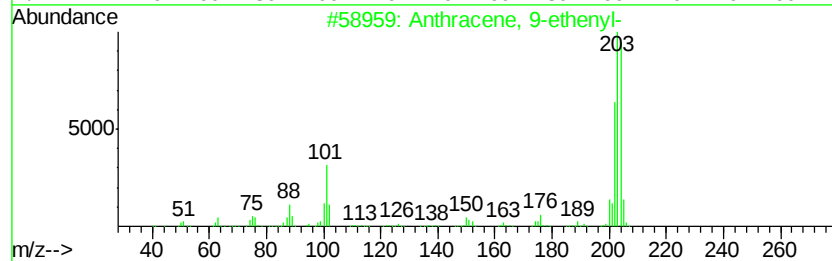
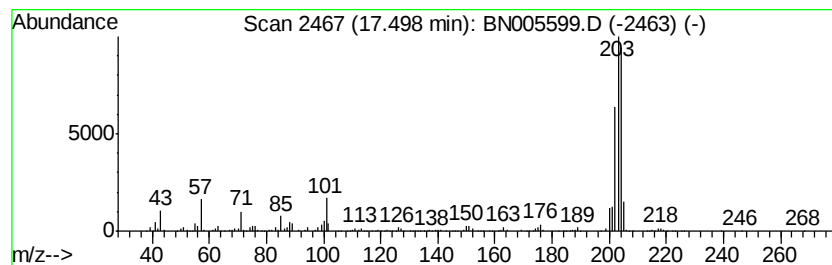
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 22 Anthracene, 9-ethenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	10.96 ng/ul	1516380	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81
3		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5		Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	68



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

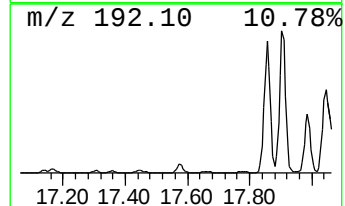
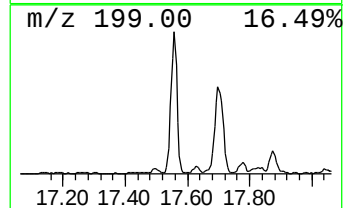
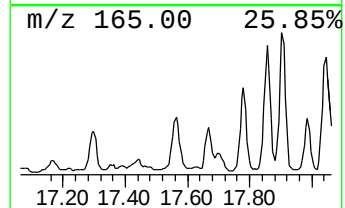
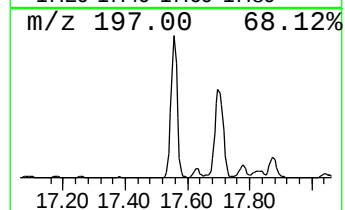
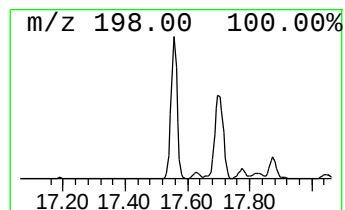
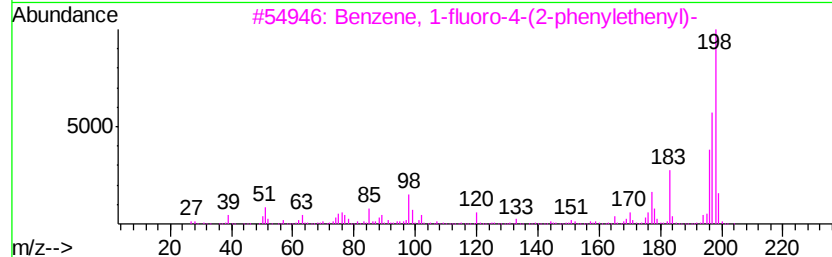
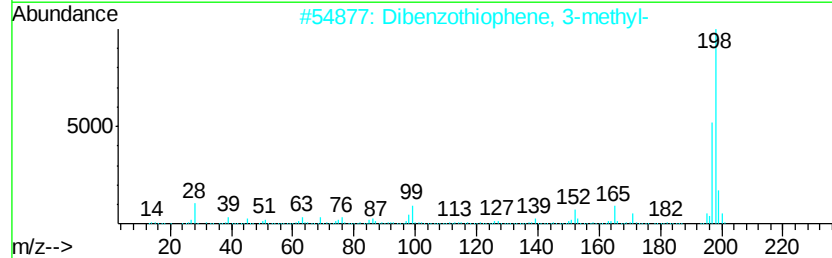
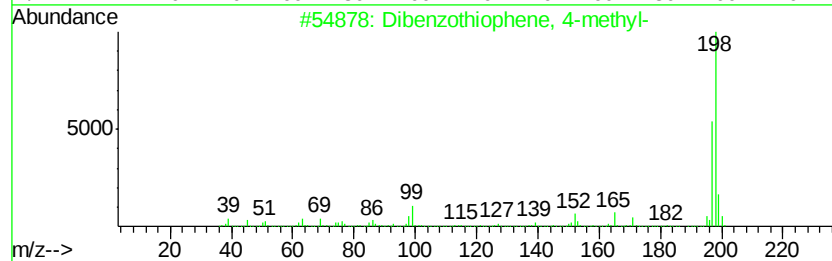
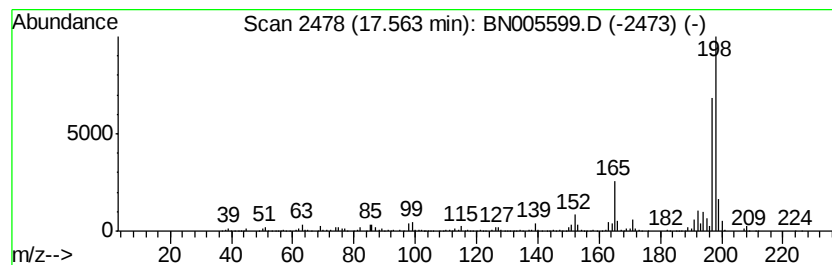
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 Dibenzothiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	20.58 ng/ul	2846400	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72
4		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

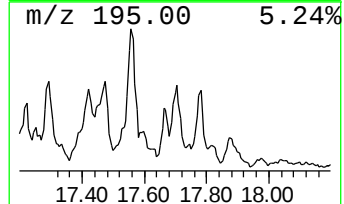
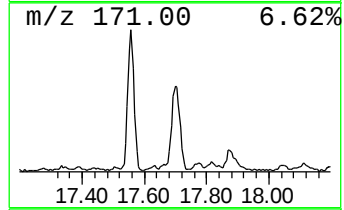
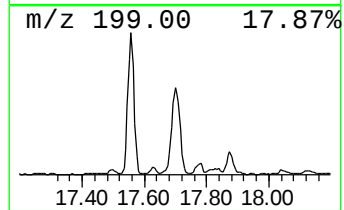
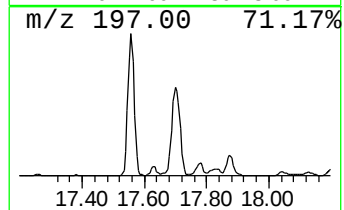
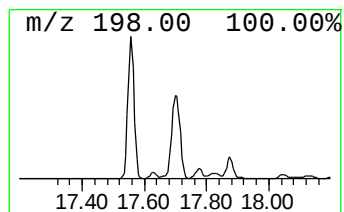
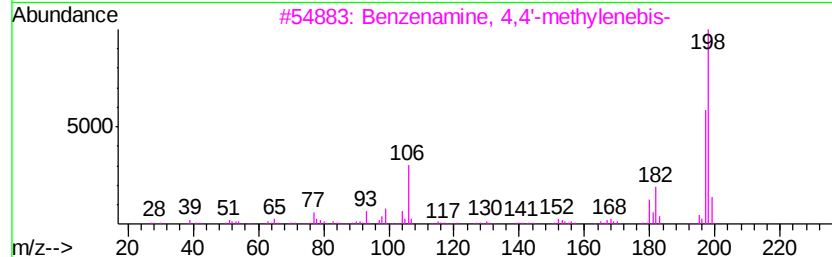
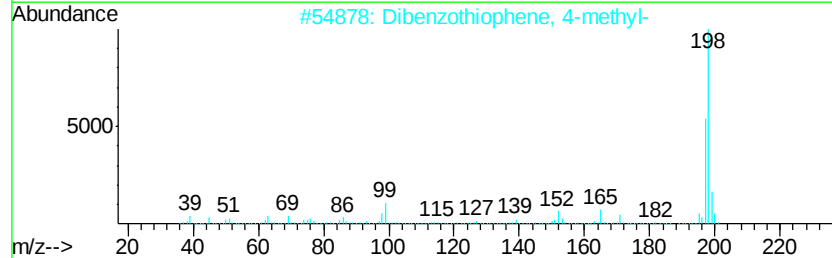
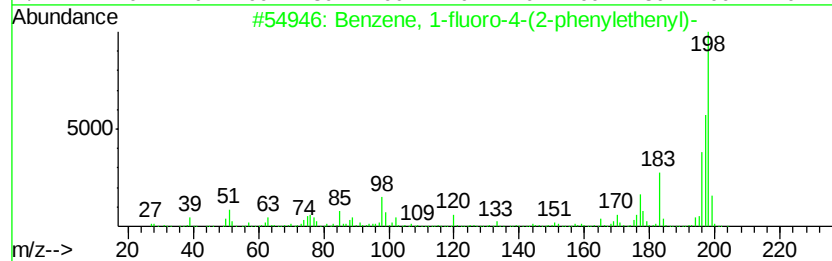
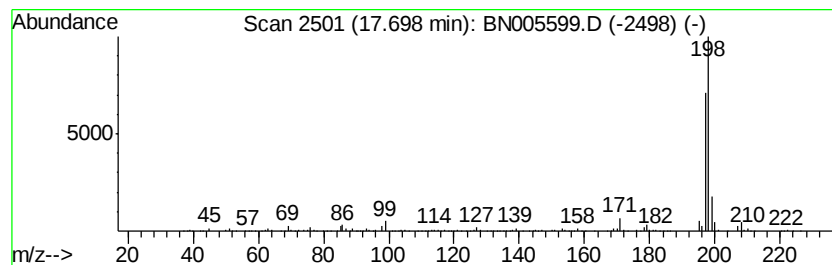
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 24 Benzene, 1-fluoro-4-(2-phen... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	13.48 ng/ul	1863870	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	80
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	78
3		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5		Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

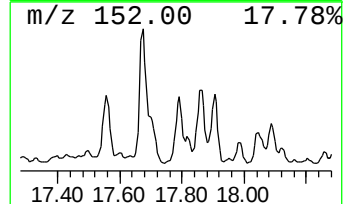
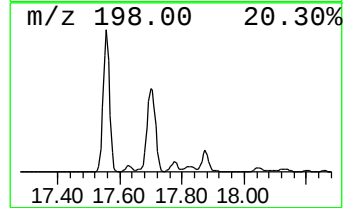
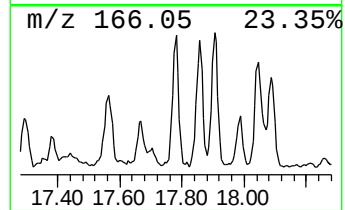
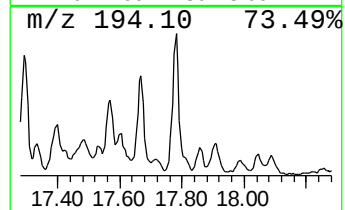
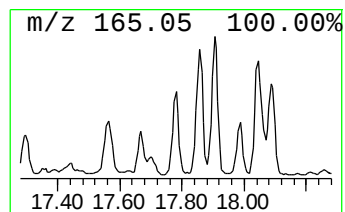
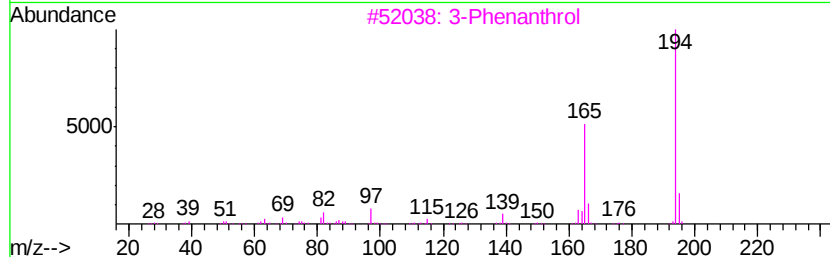
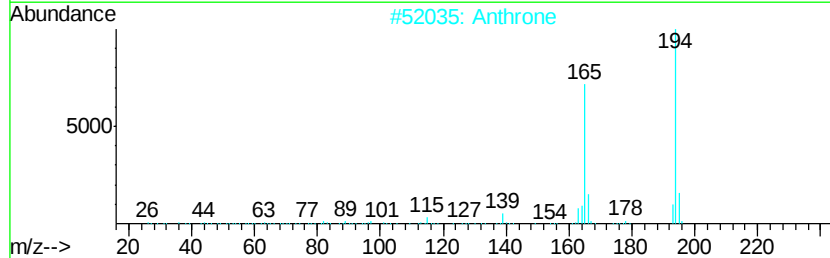
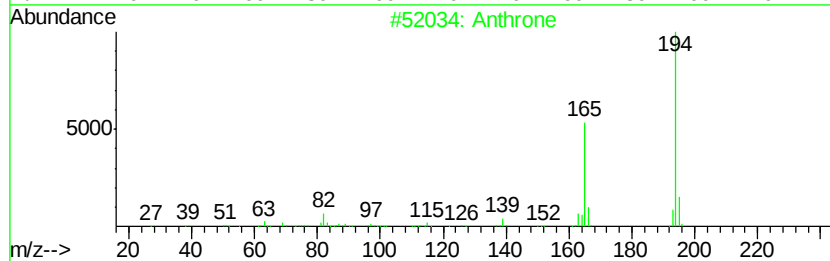
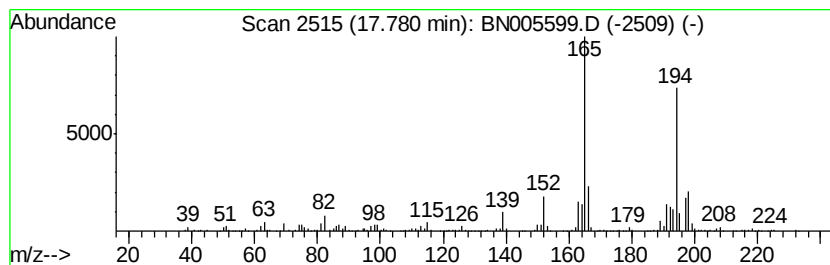
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 Anthrone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	10.70 ng/ul	1479650	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthrone	194	C14H10O	000090-44-8	90
2		Anthrone	194	C14H10O	000090-44-8	81
3		3-Phenanthrol	194	C14H10O	000605-87-8	76
4		1-Phenanthrenol	194	C14H10O	002433-56-9	76
5		9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	68



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

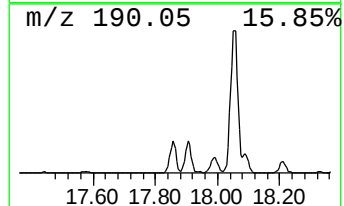
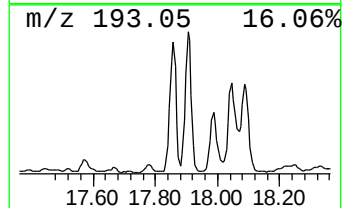
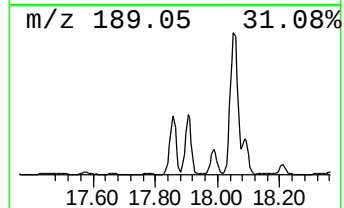
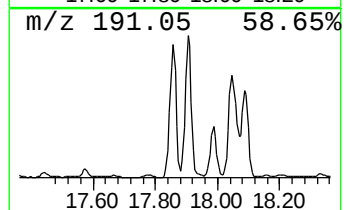
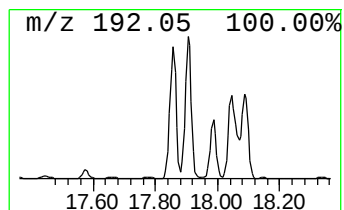
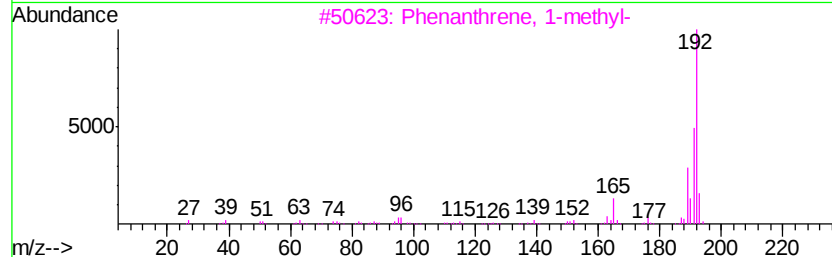
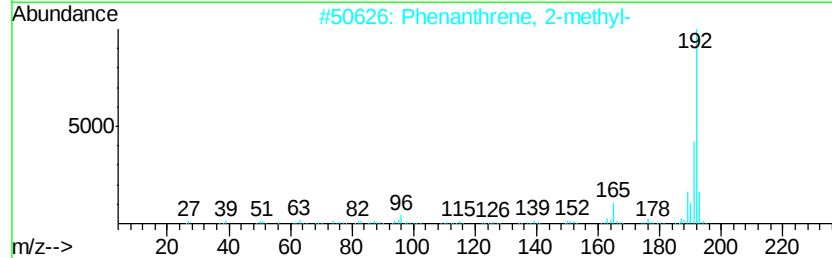
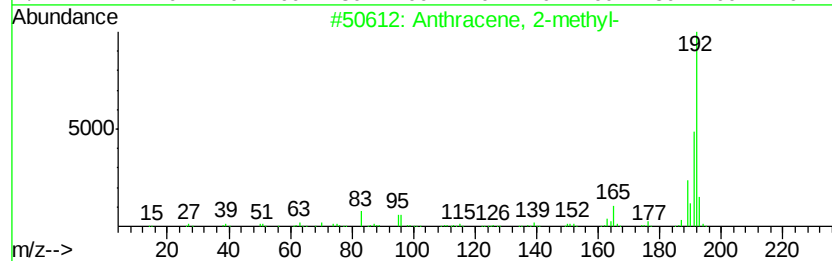
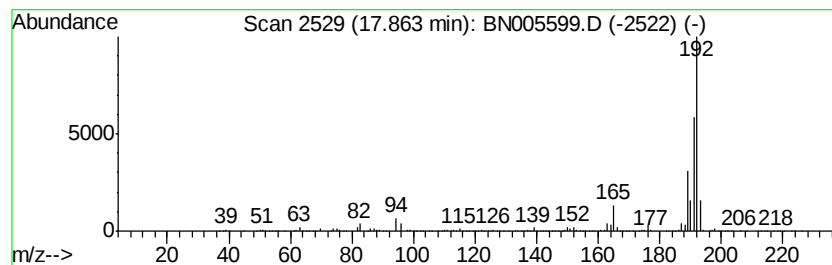
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 26 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	59.56 ng/ul	8238090	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

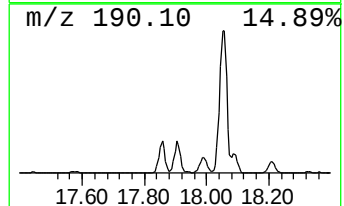
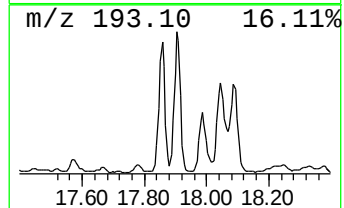
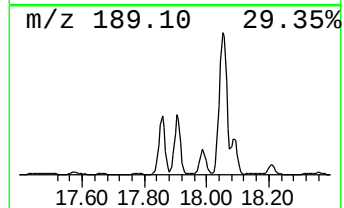
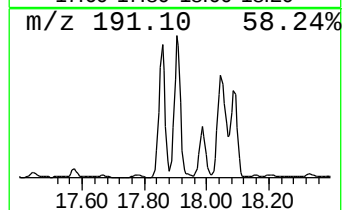
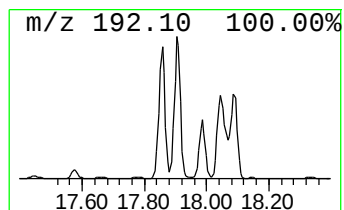
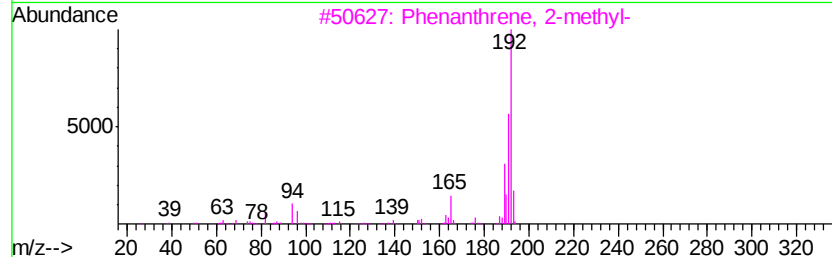
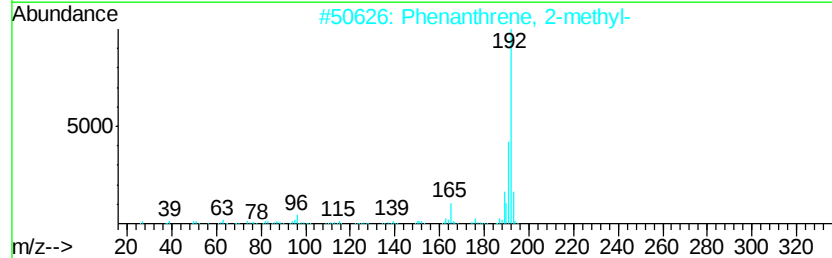
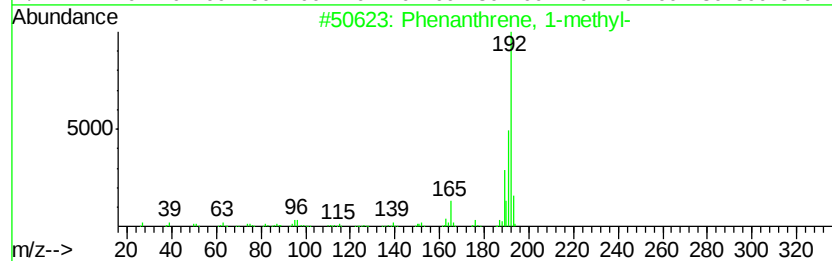
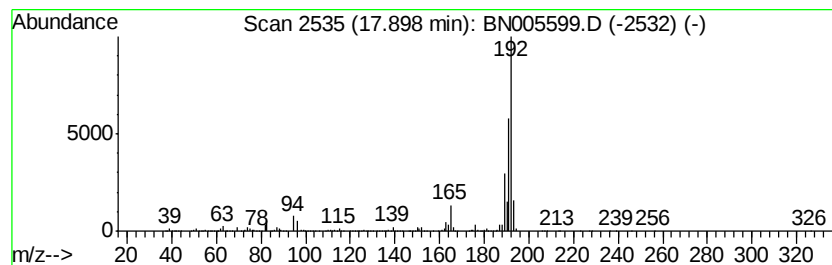
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	63.08 ng/ul	8725430	Phenanthrene-d10	16.97

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	97
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

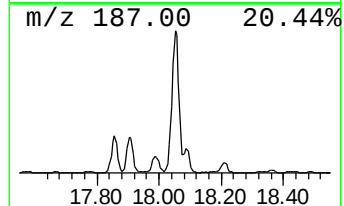
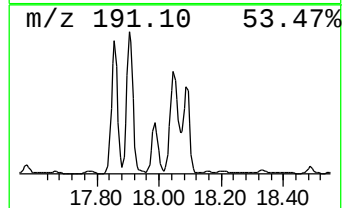
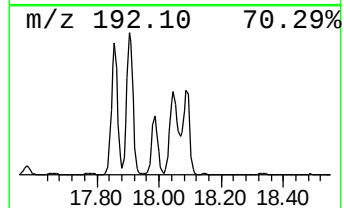
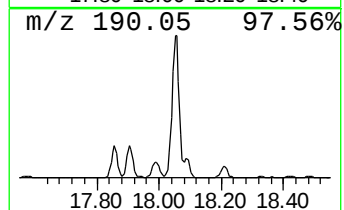
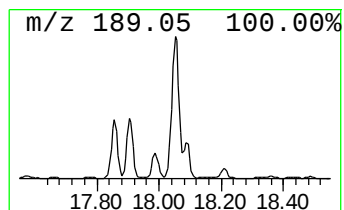
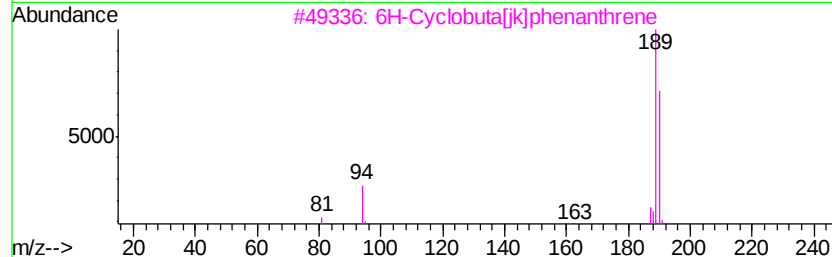
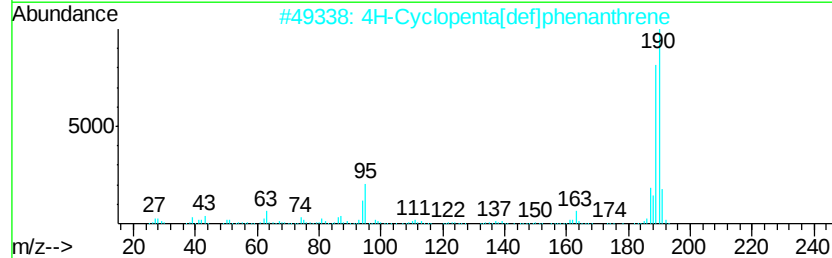
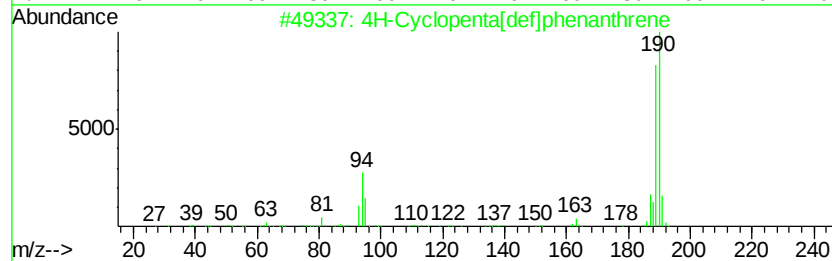
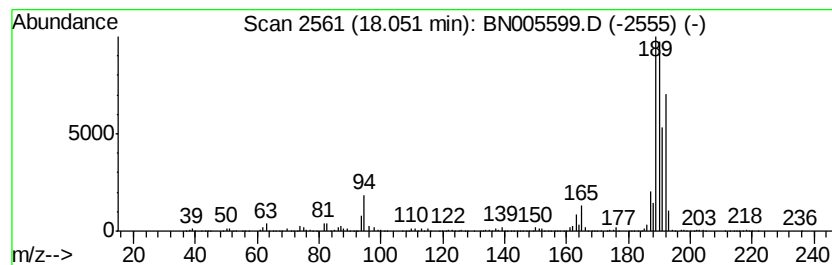
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	94.98 ng/ul	13136800	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3			6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58
4			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5			3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

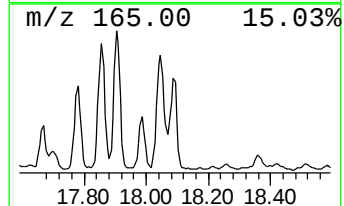
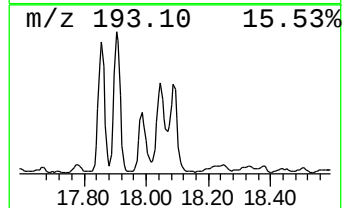
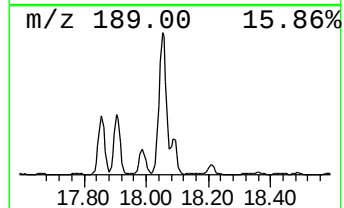
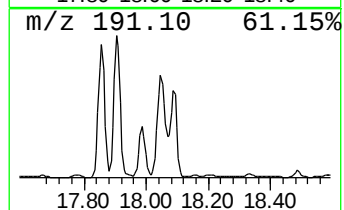
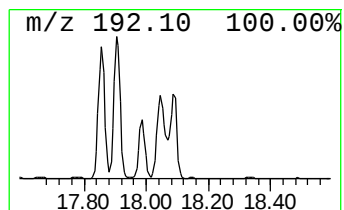
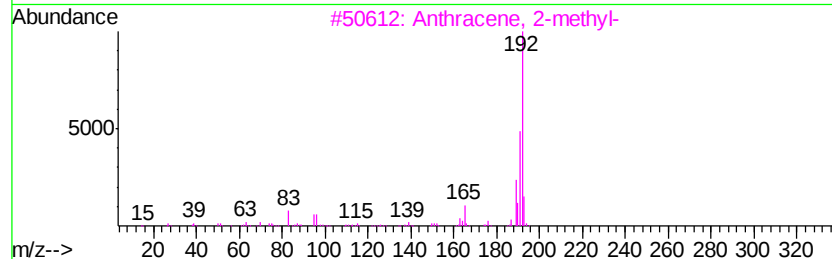
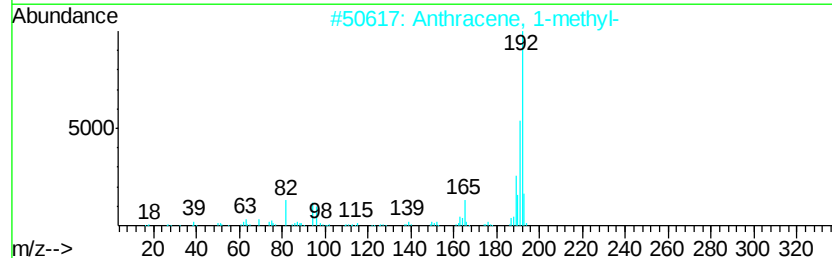
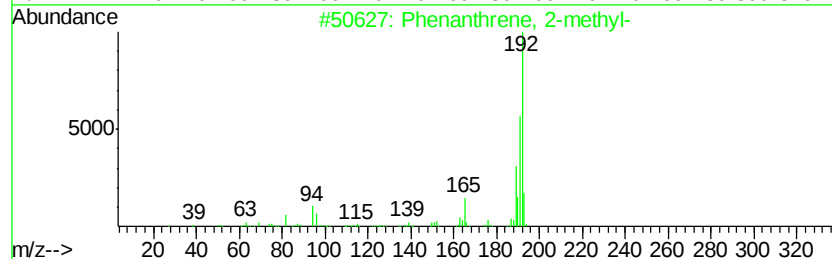
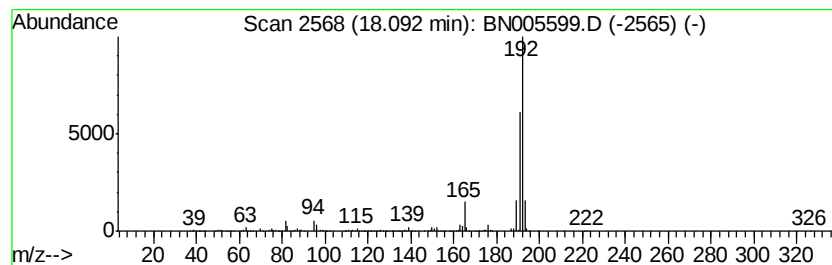
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 30 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	34.13 ng/ul	4720400	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

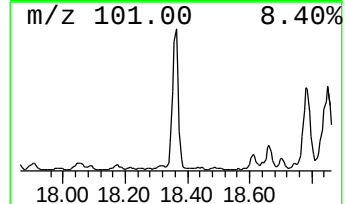
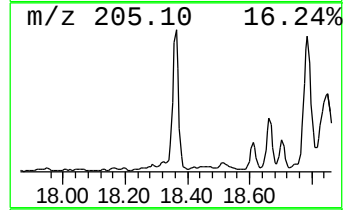
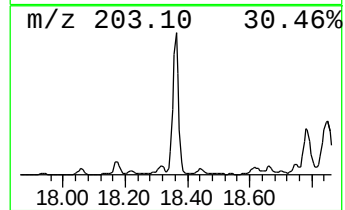
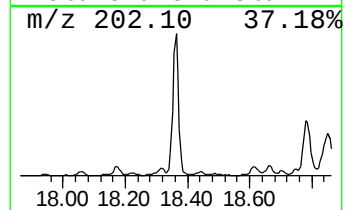
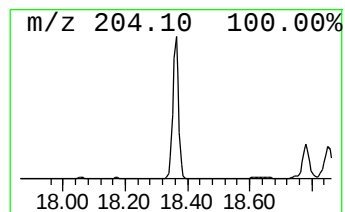
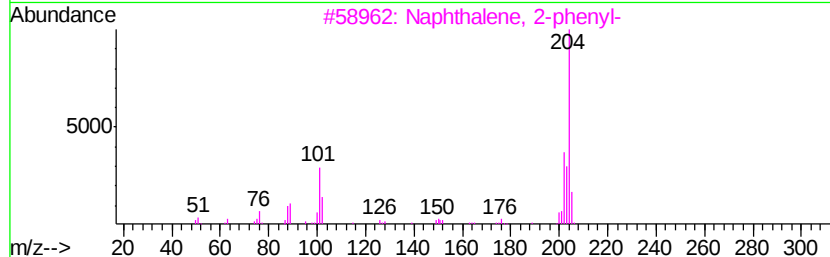
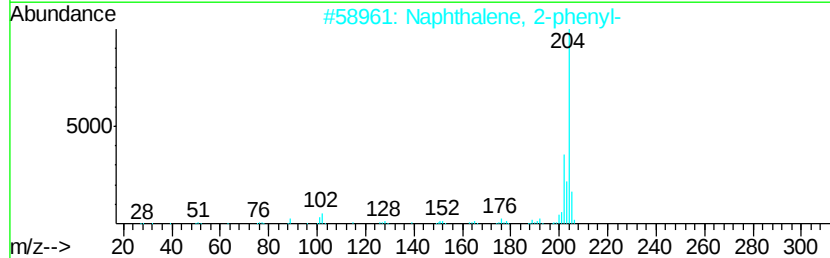
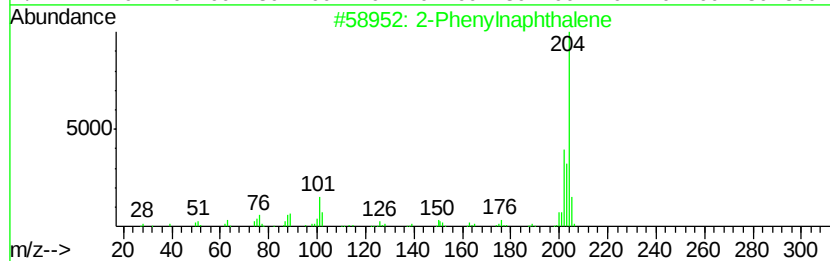
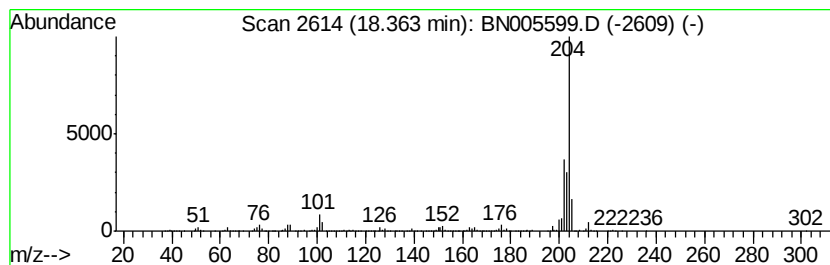
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 2-Phenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	30.51 ng/ul	4219940	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

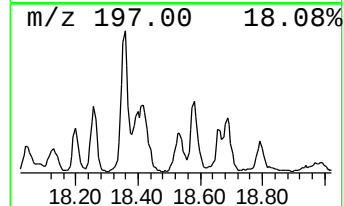
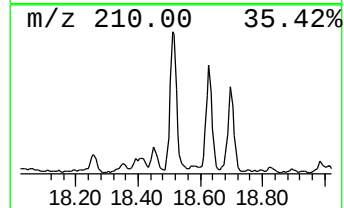
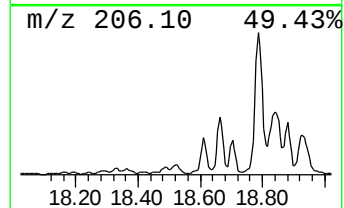
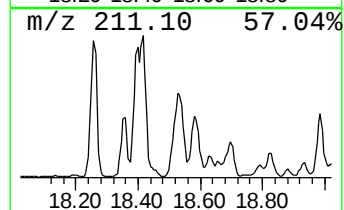
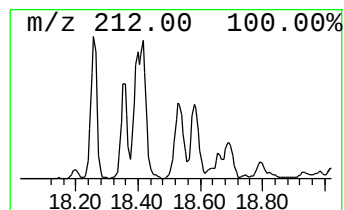
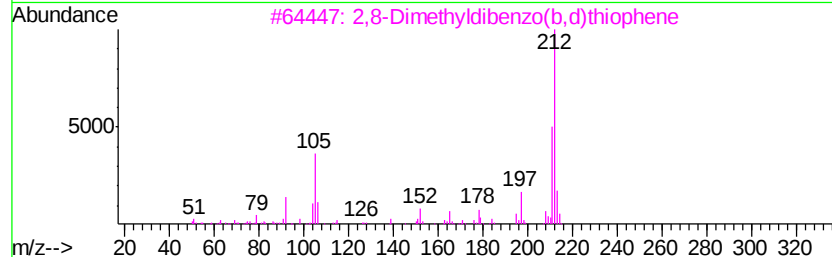
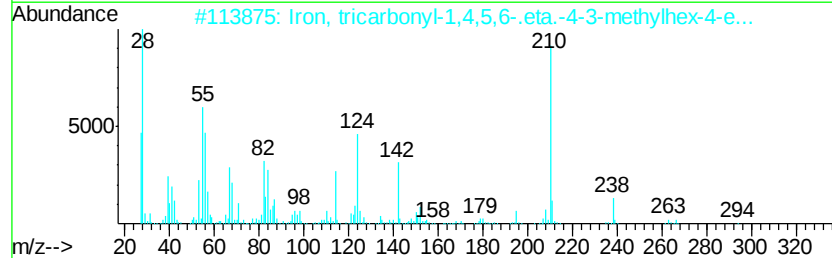
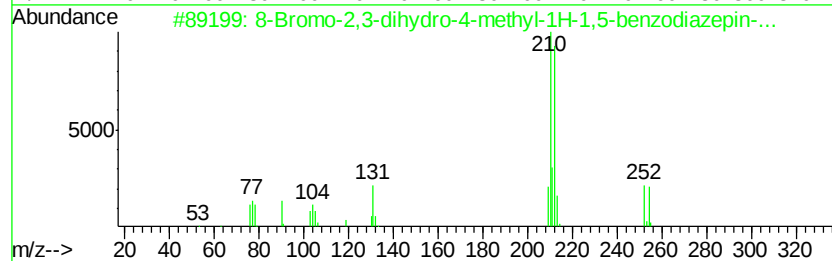
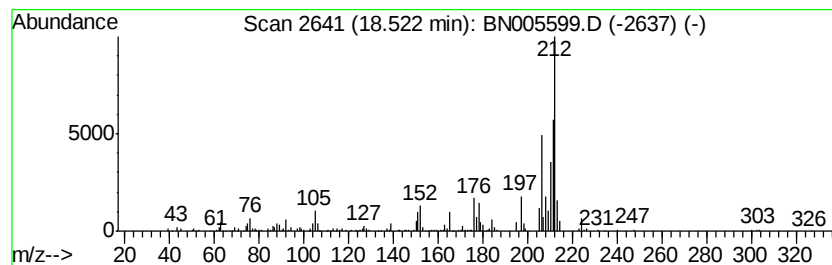
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.47 ng/ul	756749	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8-Bromo-2,3-dihydro-4-methyl-1H-...	252	C10H9BrN2O	039623-48-8	43
2		Iron, tricarbonyl-1,4,5,6-eta-...	294	C12H14FeO5	1000149-79-0	25
3		2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	18
4		9H-Xanthen-9-one, 1-hydroxy-	212	C13H8O3	000719-41-5	15
5		Tricyclo[4.3.3.0(1,6)]dodeca-7,1...	210	C14H14N2	119657-40-8	15



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

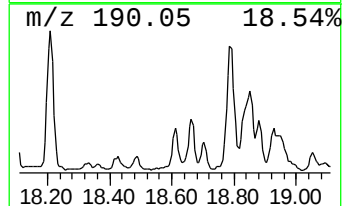
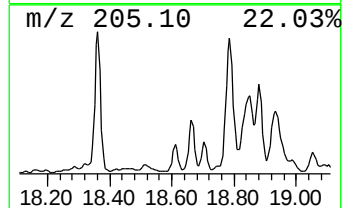
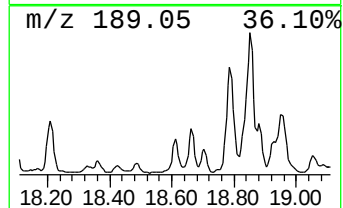
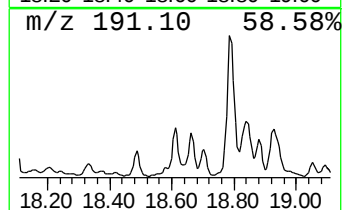
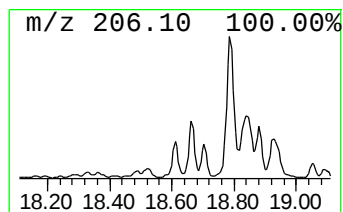
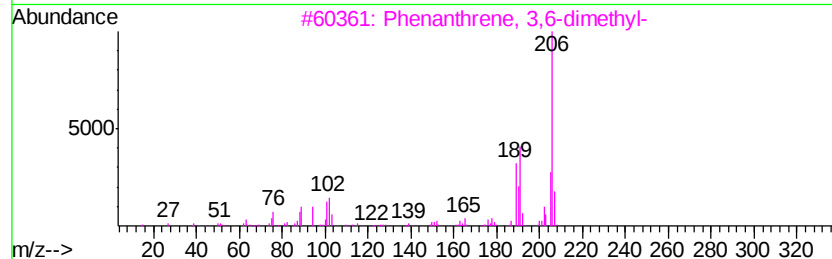
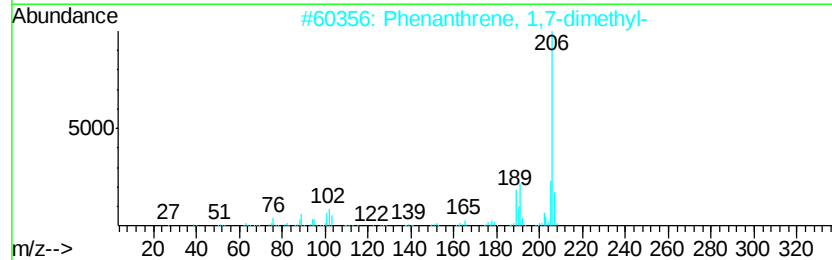
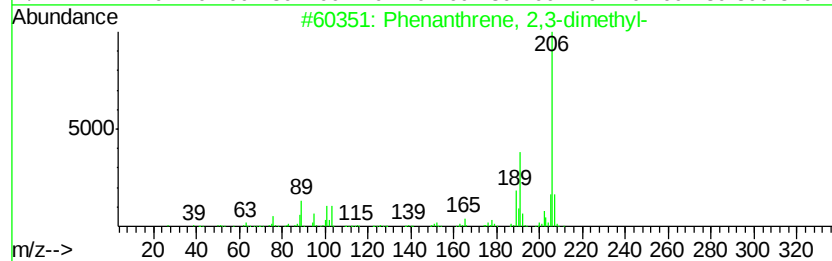
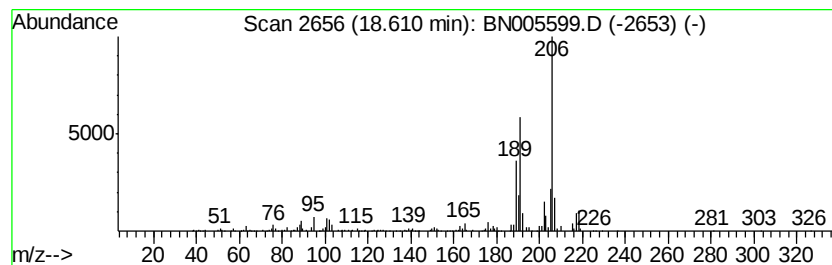
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 Phenanthrene, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	9.59 ng/ul	1325780	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

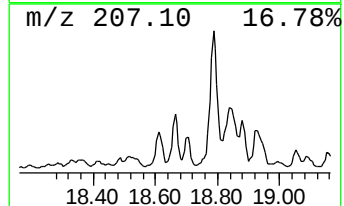
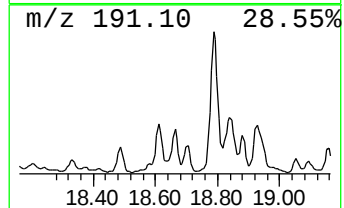
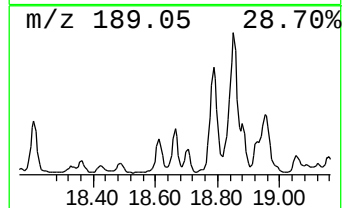
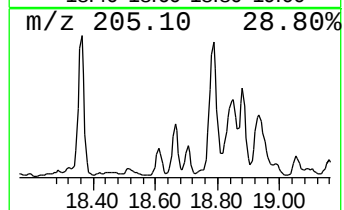
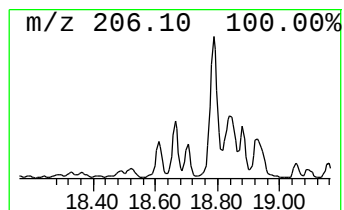
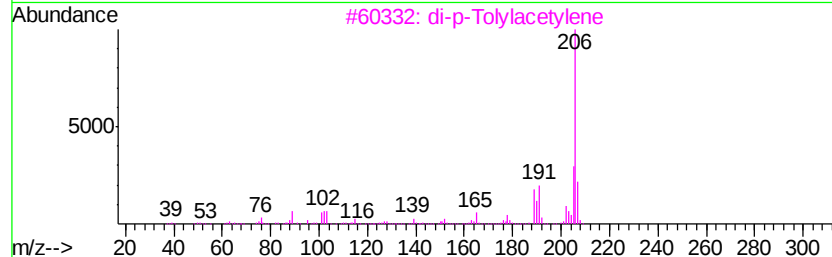
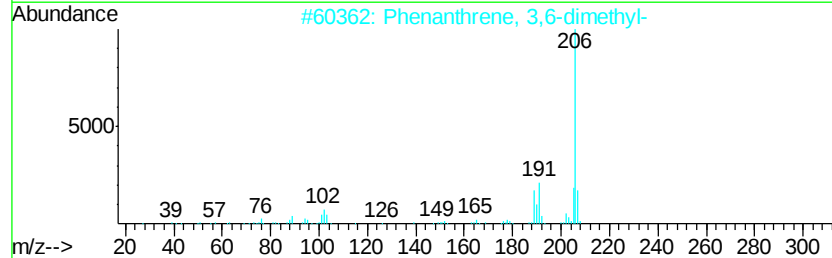
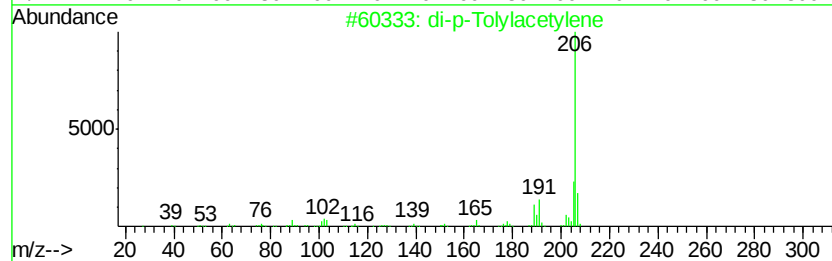
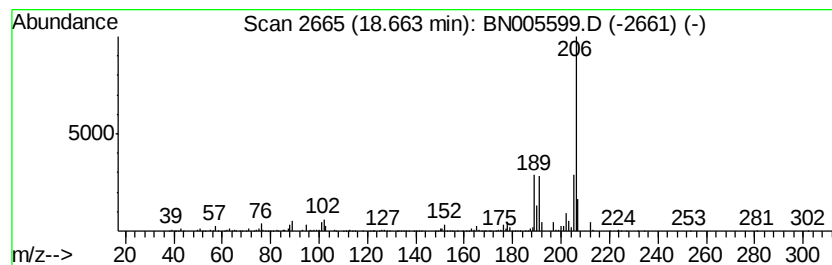
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 34 di-p-Tolylacetylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	10.25 ng/ul	1418120	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

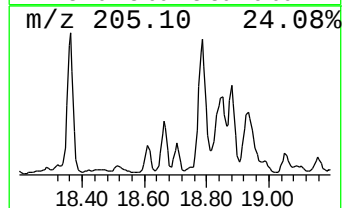
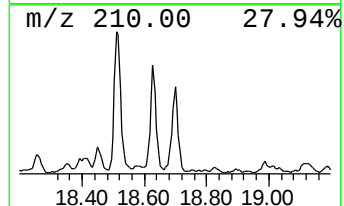
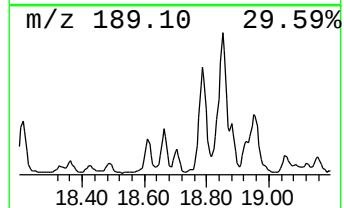
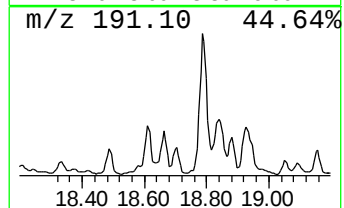
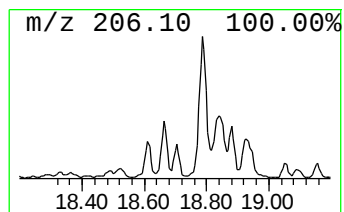
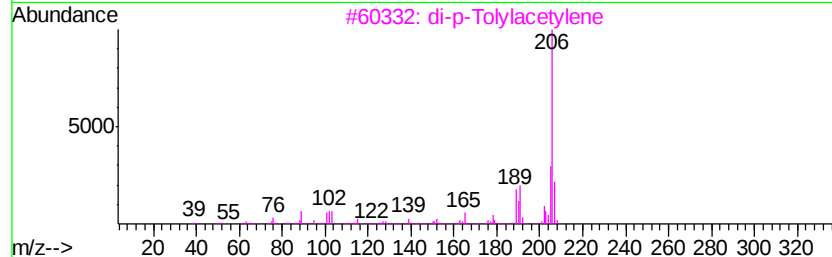
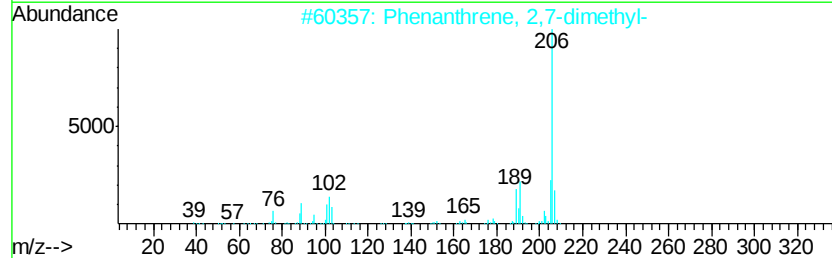
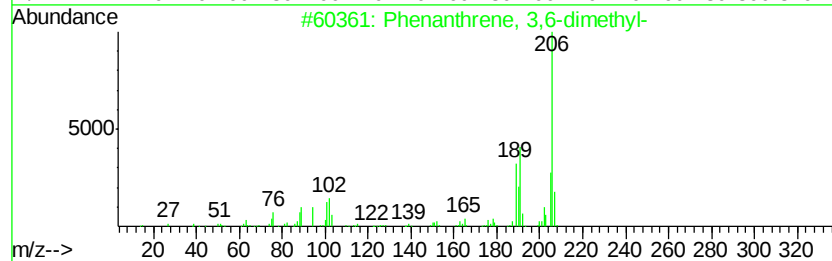
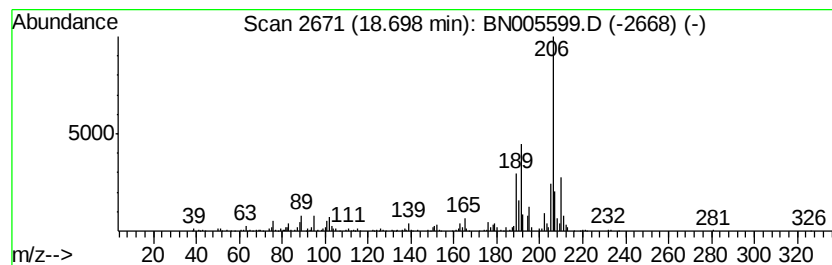
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 35 Phenanthrene, 3,6-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	6.74 ng/ul	932219	Phenanthrene-d10	16.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3			di-p-Tolylacetvlene	206	C16H14	002789-88-0	87
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051019\
Data File : BN005599.D
Acq On : 10 May 2019 21:23
Operator : JU/SJ
Sample : K2604-21ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ92ME

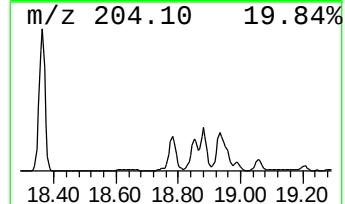
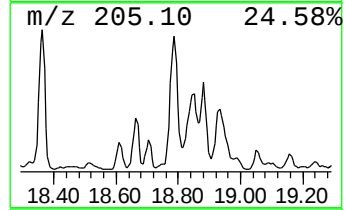
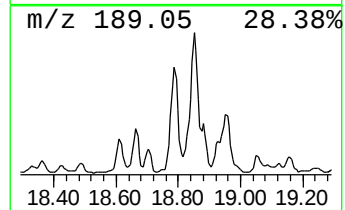
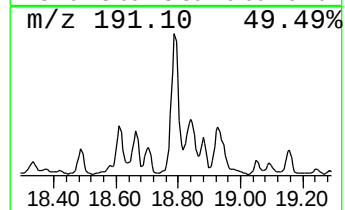
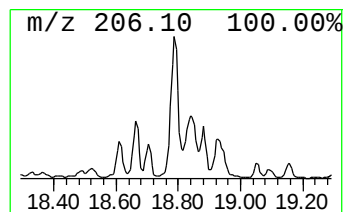
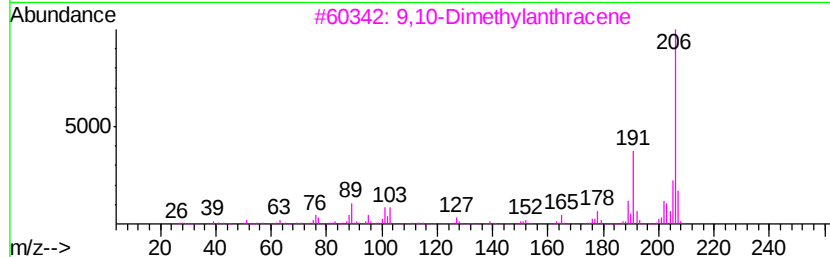
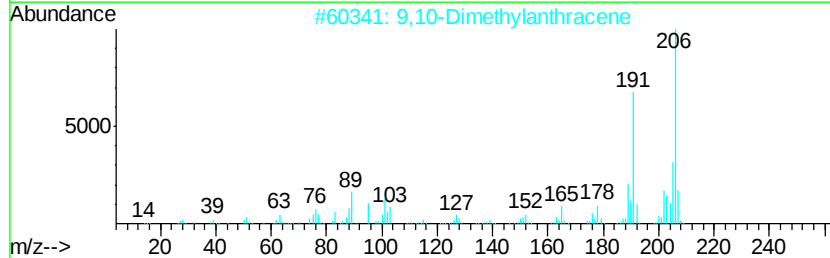
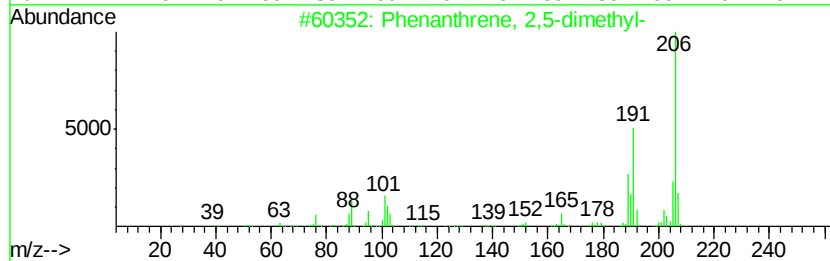
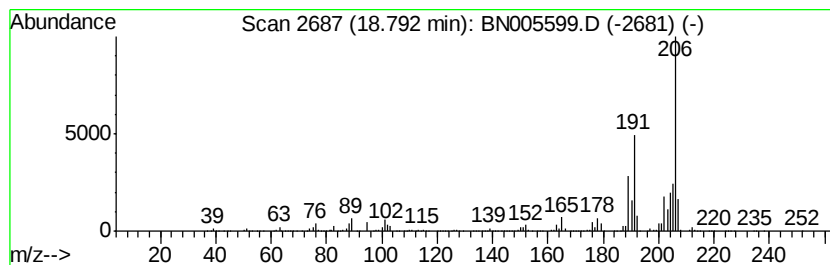
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 36 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	33.97 ng/ul	4698400	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	76
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	74
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
 Data File : BN005599.D
 Acq On : 10 May 2019 21:23
 Operator : JU/SJ
 Sample : K2604-21ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92ME

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.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-...	9.78	11.0	ng/ul	1176510	2	10.34	2136010	20.0
Naphthalene, 1-me...	12.24	131.5	ng/ul	14044000	2	10.34	2136010	20.0
Naphthalene, 1-et...	13.24	9.9	ng/ul	2439640	3	14.22	4930480	20.0
Naphthalene, 1,5-...	13.37	17.3	ng/ul	4264560	3	14.22	4930480	20.0
Naphthalene, 2,3-...	13.54	34.3	ng/ul	8454860	3	14.22	4930480	20.0
Naphthalene, 1,7-...	13.77	14.6	ng/ul	3597780	3	14.22	4930480	20.0
Naphthalene, 2,3,...	14.70	6.2	ng/ul	1529110	3	14.22	4930480	20.0
Naphthalene, 2-(1...	14.83	15.5	ng/ul	3830320	3	14.22	4930480	20.0
1,1'-Biphenyl, 3-...	14.99	4.4	ng/ul	1074820	3	14.22	4930480	20.0
1H-Phenalene	15.10	13.9	ng/ul	3428960	3	14.22	4930480	20.0
Dibenzofuran, 4-m...	15.57	6.4	ng/ul	1588400	3	14.22	4930480	20.0
Azulene, 7-ethyl-...	15.96	10.4	ng/ul	1435060	4	16.97	2766360	20.0
9H-Fluorene, 1-me...	16.43	8.0	ng/ul	1109620	4	16.97	2766360	20.0
9H-Fluorene, 3-me...	16.64	10.9	ng/ul	1503090	4	16.97	2766360	20.0
Naphtho[2,3-b]thi...	16.79	36.6	ng/ul	5061840	4	16.97	2766360	20.0
9H-Fluorene, 2,3-...	17.17	7.9	ng/ul	1087520	4	16.97	2766360	20.0
Anthracene, 9-eth...	17.50	11.0	ng/ul	1516380	4	16.97	2766360	20.0
Dibenzothiophene,...	17.56	20.6	ng/ul	2846400	4	16.97	2766360	20.0
Benzene, 1-fluoro...	17.70	13.5	ng/ul	1863870	4	16.97	2766360	20.0
Anthrone	17.78	10.7	ng/ul	1479650	4	16.97	2766360	20.0
Anthracene, 2-met...	17.86	59.6	ng/ul	8238090	4	16.97	2766360	20.0
Phenanthrene, 1-m...	17.90	63.1	ng/ul	8725430	4	16.97	2766360	20.0
4H-Cyclopenta[def...	18.05	95.0	ng/ul	13136800	4	16.97	2766360	20.0
Phenanthrene, 2-m...	18.09	34.1	ng/ul	4720400	4	16.97	2766360	20.0
2-Phenylnaphthalene	18.36	30.5	ng/ul	4219940	4	16.97	2766360	20.0
unknown-01	18.52	5.5	ng/ul	756749	4	16.97	2766360	20.0
Phenanthrene, 2,3...	18.61	9.6	ng/ul	1325780	4	16.97	2766360	20.0
di-p-Tolylacetylene	18.66	10.3	ng/ul	1418120	4	16.97	2766360	20.0
Phenanthrene, 3,6...	18.70	6.7	ng/ul	932219	4	16.97	2766360	20.0
Phenanthrene, 2,5...	18.79	34.0	ng/ul	4698400	4	16.97	2766360	20.0