

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
 Data File : BN005237.D
 Acq On : 24 Apr 2019 04:50
 Operator : JU/SJ
 Sample : K2455-10DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHR0DL

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	6.775	639	644	653	rBV	158776	244977	1.95%	0.168%
2	7.134	694	705	712	rBV	164332	288566	2.30%	0.198%
3	7.599	776	784	793	rBV	1867480	2942797	23.48%	2.015%
4	8.293	897	902	910	rVB	132778	221354	1.77%	0.152%
5	9.981	1184	1189	1197	rVB	182537	349796	2.79%	0.240%
6	10.358	1244	1253	1259	rVV	2825900	4801187	38.31%	3.287%
7	10.410	1259	1262	1271	rVV	186680	336094	2.68%	0.230%
8	10.493	1271	1276	1281	rVV	135211	240902	1.92%	0.165%
9	11.299	1403	1413	1418	rBV6	132702	306652	2.45%	0.210%
10	11.405	1418	1431	1435	rBV3	187699	460818	3.68%	0.316%
11	11.446	1435	1438	1445	rVB3	106997	247613	1.98%	0.170%
12	11.552	1452	1456	1466	rVB3	126427	240686	1.92%	0.165%
13	11.699	1470	1481	1485	rBV6	70920	224552	1.79%	0.154%
14	11.810	1493	1500	1506	rBV	485630	765775	6.11%	0.524%
15	12.034	1529	1538	1547	rVB	7663647	12533651	100.00%	8.582%
16	12.252	1565	1575	1586	rBV	3199644	5033548	40.16%	3.447%
17	13.057	1706	1712	1727	rBV2	830079	1770894	14.13%	1.213%
18	13.257	1739	1746	1757	rVB	1110676	2253490	17.98%	1.543%
19	13.393	1762	1769	1770	rBV	2880443	4233266	33.78%	2.899%
20	13.469	1778	1782	1787	rVB	173025	255158	2.04%	0.175%
21	13.551	1787	1796	1801	rBV	3459171	5907769	47.14%	4.045%
22	13.604	1801	1805	1809	rVV	2043168	2902819	23.16%	1.988%
23	13.646	1809	1812	1814	rVV	367170	516997	4.12%	0.354%
24	13.681	1814	1818	1824	rVV	1949788	2898554	23.13%	1.985%
25	13.787	1831	1836	1840	rVV	1580259	2404181	19.18%	1.646%
26	13.822	1840	1842	1847	rVB	384275	432340	3.45%	0.296%
27	13.951	1853	1864	1874	rVB3	1995117	3593938	28.67%	2.461%
28	14.163	1894	1900	1903	rBV	237365	340253	2.71%	0.233%
29	14.234	1903	1912	1918	rVV4	3305375	6418211	51.21%	4.395%
30	14.293	1918	1922	1925	rVV2	428483	645219	5.15%	0.442%
31	14.328	1925	1928	1932	rVB2	466153	599209	4.78%	0.410%
32	14.446	1942	1948	1957	rVB	569589	1210873	9.66%	0.829%
33	14.534	1958	1963	1966	rBV	153585	223417	1.78%	0.153%
34	14.640	1971	1981	1988	rBV3	784376	1734248	13.84%	1.187%

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

35	14.716	1988	1994	1998	rVB	725378	1014940	8.10%	0.695%
36	14.840	2009	2015	2021	rBV2	1118728	2161583	17.25%	1.480%
37	14.910	2024	2027	2030	rVB	459344	530810	4.24%	0.363%
38	14.945	2030	2033	2038	rVB	237677	320876	2.56%	0.220%
39	15.004	2038	2043	2046	rBV	334348	590143	4.71%	0.404%
40	15.110	2056	2061	2067	rVB2	669750	1082562	8.64%	0.741%
41	15.175	2067	2072	2076	rBV	243107	462268	3.69%	0.317%
42	15.228	2076	2081	2086	rVB3	1103314	1635284	13.05%	1.120%
43	15.287	2086	2091	2097	rBV	1958112	3182352	25.39%	2.179%
44	15.410	2109	2112	2116	rVV3	345307	456249	3.64%	0.312%
45	15.493	2121	2126	2131	rBV4	165412	334195	2.67%	0.229%
46	15.581	2136	2141	2145	rBV	369919	607925	4.85%	0.416%
47	15.622	2145	2148	2156	rVB4	192450	415939	3.32%	0.285%
48	15.698	2156	2161	2165	rBV	679316	1000340	7.98%	0.685%
49	15.734	2165	2167	2175	rVB3	233007	412466	3.29%	0.282%
50	15.969	2201	2207	2212	rBV3	206161	449967	3.59%	0.308%
51	16.292	2254	2262	2267	rVV2	599115	1463158	11.67%	1.002%
52	16.345	2267	2271	2276	rVV	585246	841465	6.71%	0.576%
53	16.440	2282	2287	2293	rVB2	294803	466431	3.72%	0.319%
54	16.563	2305	2308	2312	rVV4	149790	221859	1.77%	0.152%
55	16.651	2319	2323	2329	rVB2	278650	434308	3.47%	0.297%
56	16.798	2341	2348	2353	rVV2	472565	770163	6.14%	0.527%
57	16.987	2373	2380	2383	rBV	3779239	5436676	43.38%	3.723%
58	17.028	2383	2387	2393	rVV	7100347	10128193	80.81%	6.935%
59	17.081	2393	2396	2399	rVV	489491	737826	5.89%	0.505%
60	17.116	2399	2402	2407	rVV	1540521	2031561	16.21%	1.391%
61	17.181	2408	2413	2418	rVV2	218965	422955	3.37%	0.290%
62	17.516	2465	2470	2474	rVV	219322	322948	2.58%	0.221%
63	17.569	2475	2479	2486	rVB2	220049	376392	3.00%	0.258%
64	17.710	2496	2503	2511	rVB3	165267	418771	3.34%	0.287%
65	17.863	2524	2529	2533	rBV	1754963	2400290	19.15%	1.643%
66	17.910	2533	2537	2545	rVV	1854996	2562233	20.44%	1.754%
67	17.992	2546	2551	2556	rVV	585997	794922	6.34%	0.544%
68	18.057	2556	2562	2566	rVV2	1438599	2624242	20.94%	1.797%
69	18.092	2566	2568	2574	rVB	909443	1140073	9.10%	0.781%
70	18.375	2611	2616	2620	rVB	694934	911306	7.27%	0.624%
71	18.622	2654	2658	2663	rVV2	200360	297692	2.38%	0.204%

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72	18.675	2663	2667	2670	rVB	210811	254483	2.03%	0.174%
73	18.792	2682	2687	2692	rBV2	559643	932221	7.44%	0.638%
74	18.857	2692	2698	2701	rBV3	290138	539828	4.31%	0.370%
75	18.886	2701	2703	2707	rVB	321073	346651	2.77%	0.237%
76	19.057	2726	2732	2740	rBV	1528759	2259325	18.03%	1.547%
77	19.134	2741	2745	2748	rVV	178352	234013	1.87%	0.160%
78	19.210	2754	2758	2763	rVB	705039	926508	7.39%	0.634%
79	19.398	2785	2790	2791	rBV2	574411	754907	6.02%	0.517%
80	19.428	2791	2795	2805	rVB	2098879	3059946	24.41%	2.095%
81	19.757	2847	2851	2862	rVB2	248490	502925	4.01%	0.344%
82	19.898	2870	2875	2877	rVV2	249958	422239	3.37%	0.289%
83	19.928	2877	2880	2885	rVB	575027	829825	6.62%	0.568%
84	20.033	2894	2898	2903	rVV	489921	659689	5.26%	0.452%
85	20.092	2904	2908	2912	rVB	309329	397660	3.17%	0.272%
86	20.228	2928	2931	2935	rVV	237241	340497	2.72%	0.233%
87	20.281	2936	2940	2948	rVB	376410	602371	4.81%	0.412%
88	20.898	3041	3045	3048	rBV	199297	243797	1.95%	0.167%
89	21.216	3092	3099	3103	rBV2	4380325	6777979	54.08%	4.641%
90	21.251	3103	3105	3111	rVB	668409	812679	6.48%	0.556%
91	21.769	3190	3193	3197	rVB2	250993	317336	2.53%	0.217%
92	21.992	3228	3231	3240	rVB2	189825	264497	2.11%	0.181%
93	22.304	3281	3284	3289	rVB	222166	271388	2.17%	0.186%
94	22.769	3359	3363	3366	rBV2	184566	387390	3.09%	0.265%
95	22.804	3367	3369	3375	rVB2	361516	491498	3.92%	0.337%
96	23.274	3446	3449	3453	rBV2	264998	389633	3.11%	0.267%
97	23.316	3453	3456	3461	rVV	291057	429692	3.43%	0.294%
98	23.369	3461	3465	3467	rVV	231029	311035	2.48%	0.213%
99	23.416	3467	3473	3480	rVB	2755163	4858889	38.77%	3.327%
100	23.998	3569	3572	3578	rVB	245111	387498	3.09%	0.265%

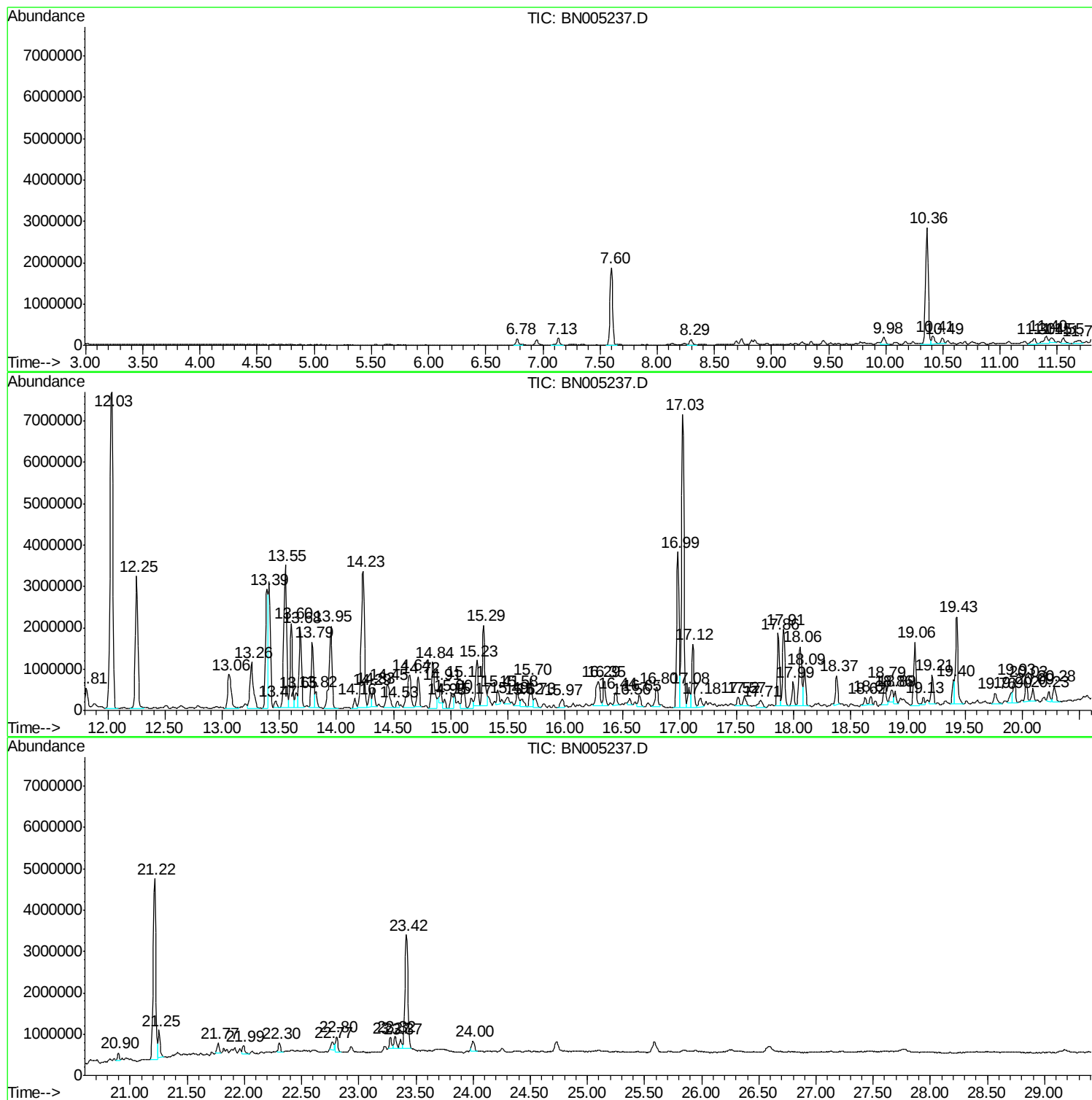
Sum of corrected areas: 146047566

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ClientSampleId :
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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



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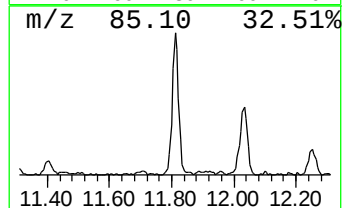
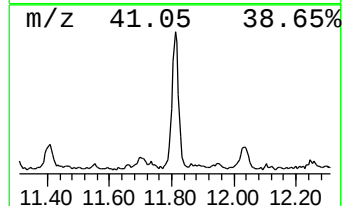
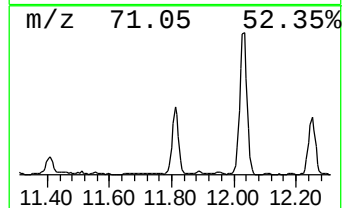
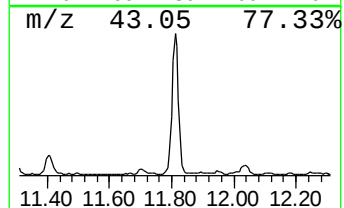
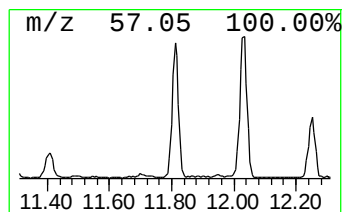
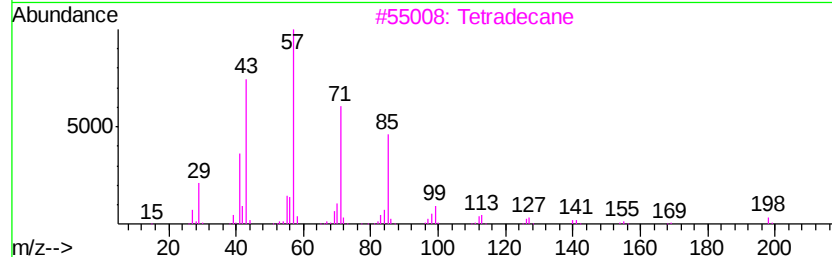
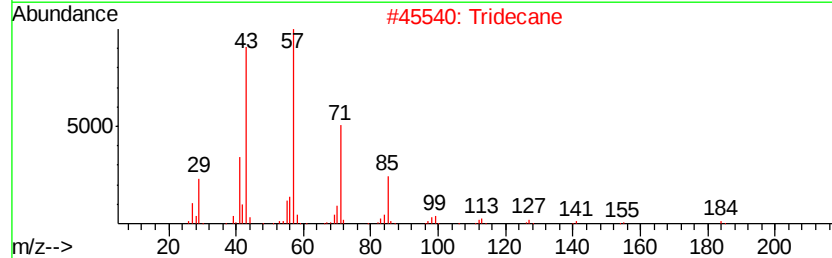
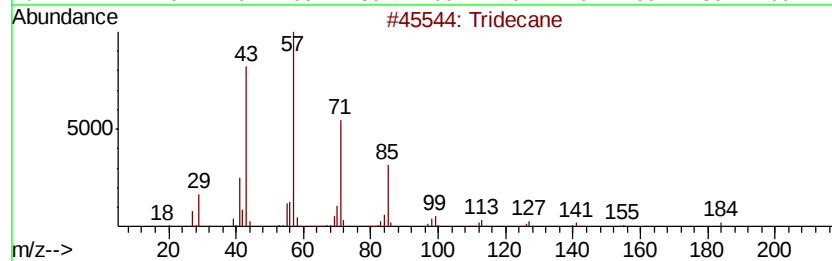
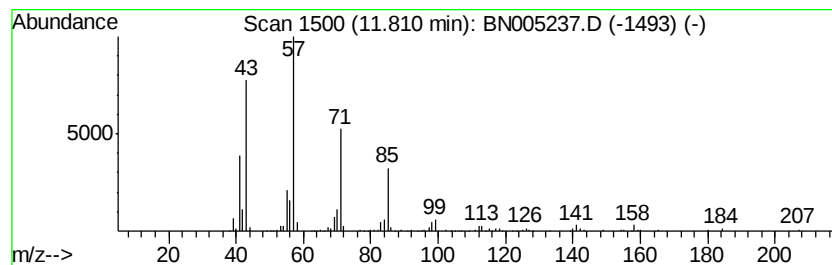
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	3.19 ng/ul	765775	Napthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	94
2		Tridecane	184	C13H28	000629-50-5	90
3		Tetradecane	198	C14H30	000629-59-4	90
4		Tetradecane	198	C14H30	000629-59-4	90
5		Hexadecane	226	C16H34	000544-76-3	90



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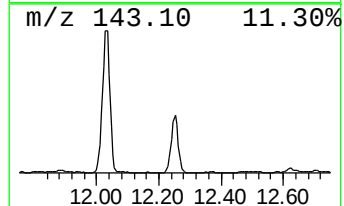
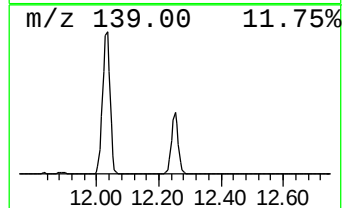
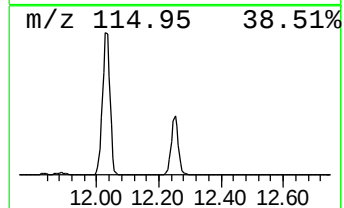
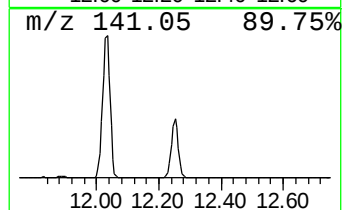
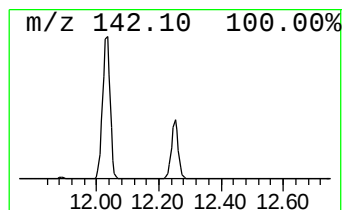
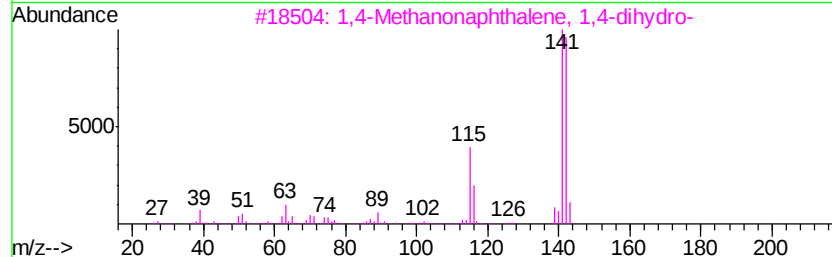
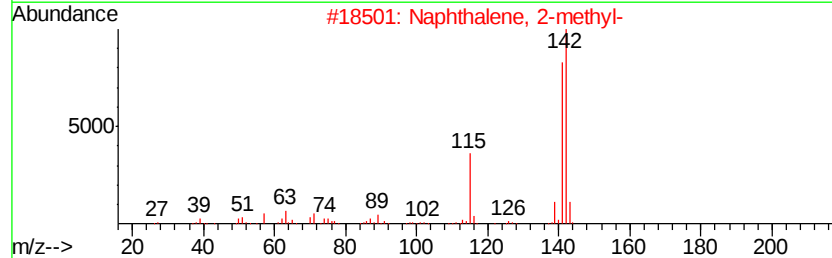
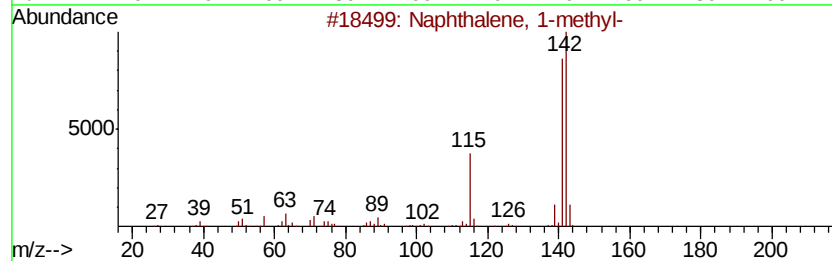
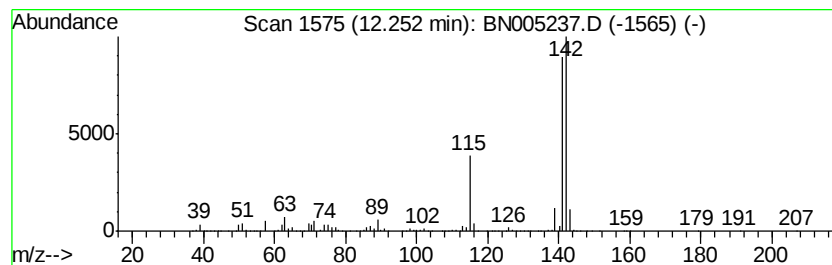
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	20.97 ng/ul	5033550	Naphthalene-d8	10.36

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		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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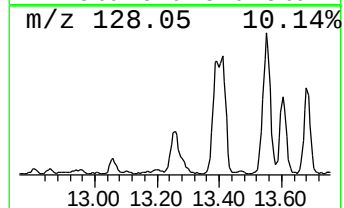
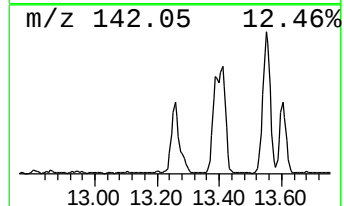
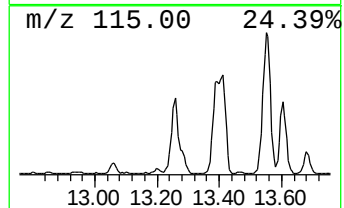
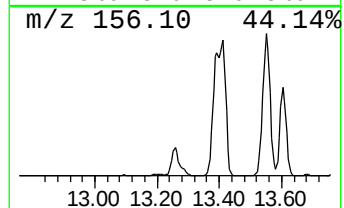
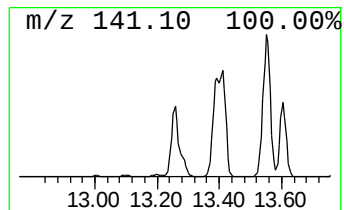
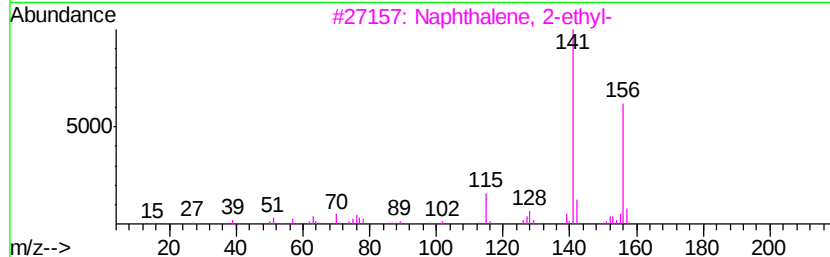
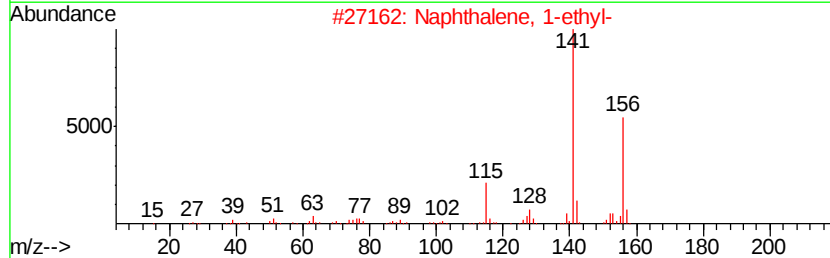
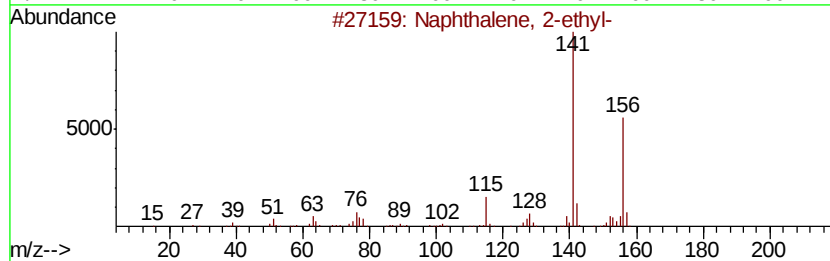
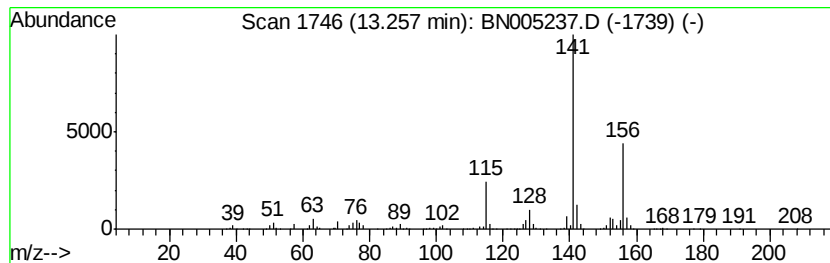
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Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	7.02 ng/ul	2253490	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 96
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 96
3		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
4		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
5		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 93



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Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

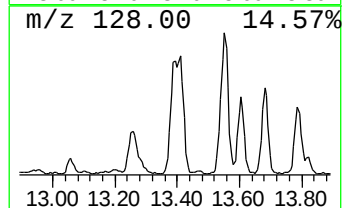
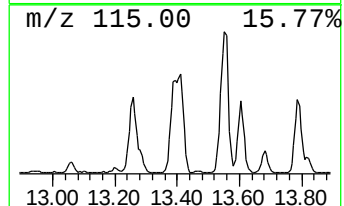
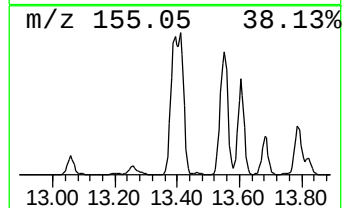
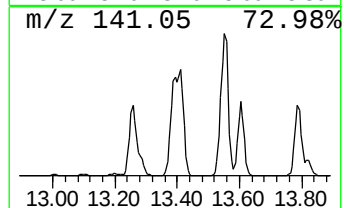
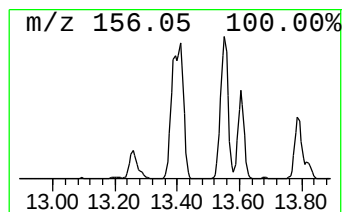
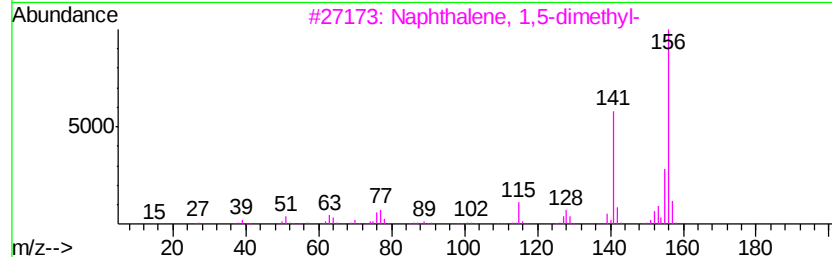
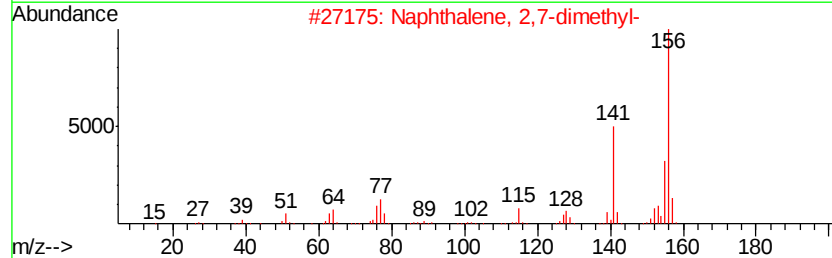
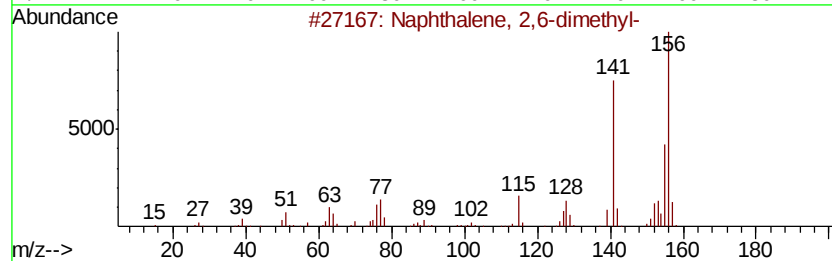
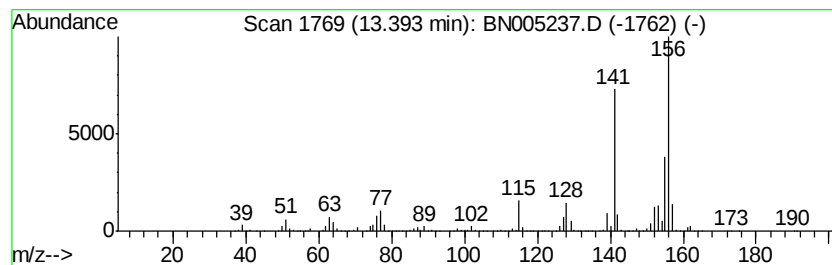
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	13.19 ng/ul	4233270	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
3		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
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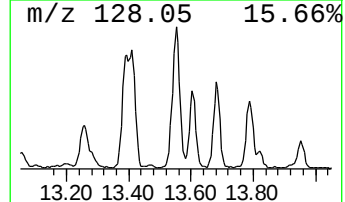
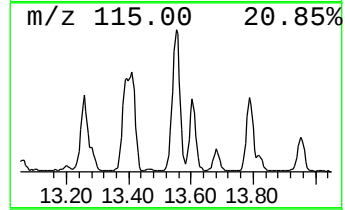
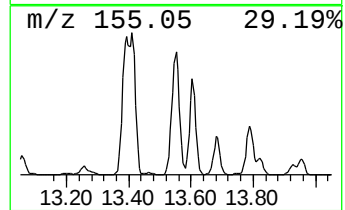
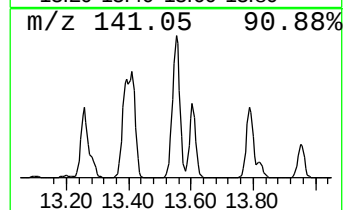
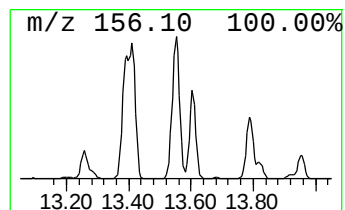
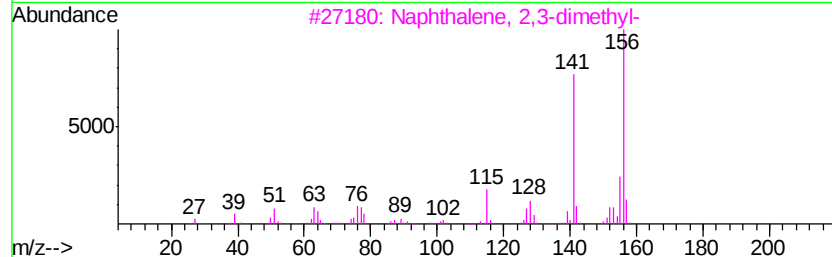
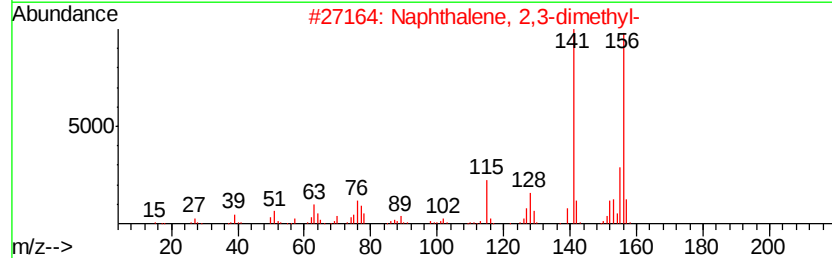
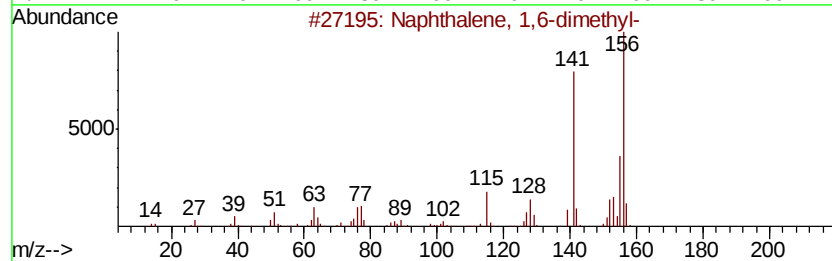
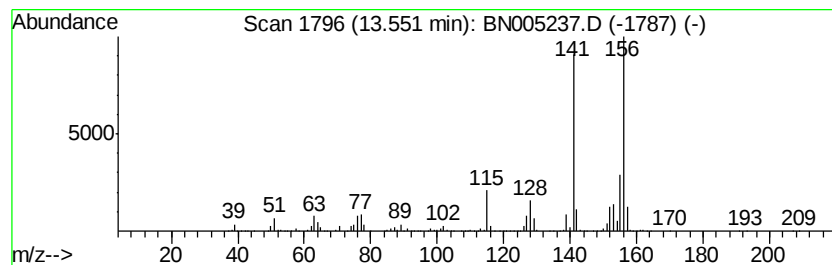
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	18.41 ng/ul	5907770	Acenaphthene-d10	14.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
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Misc :
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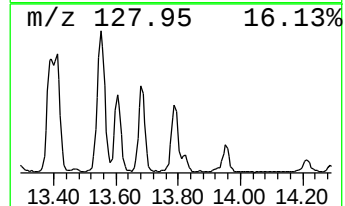
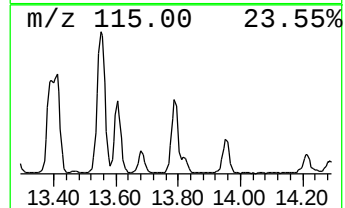
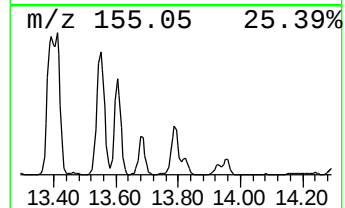
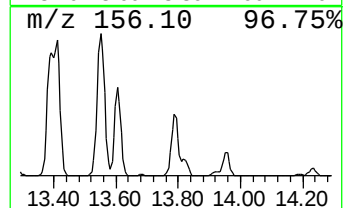
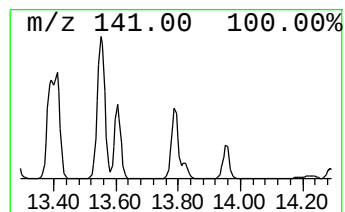
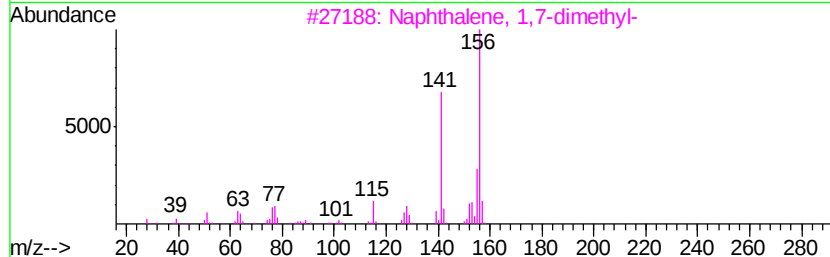
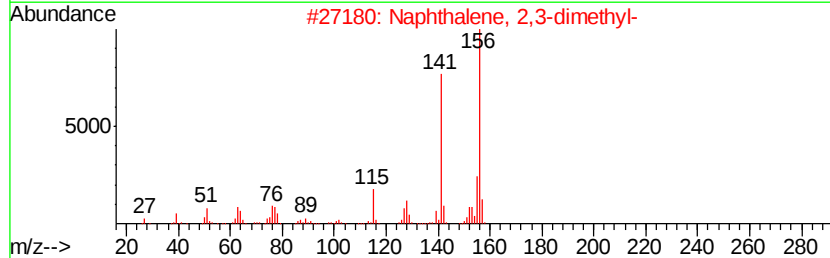
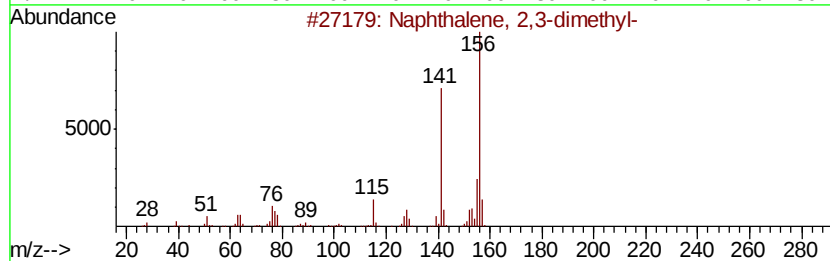
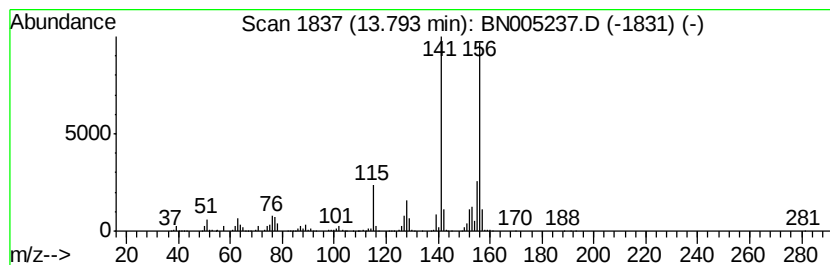
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	7.49 ng/ul	2404180	Acenaphthene-d10	14.23

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
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Misc :
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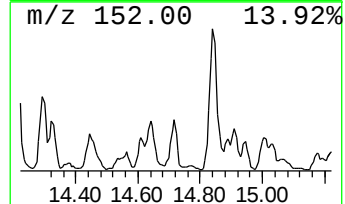
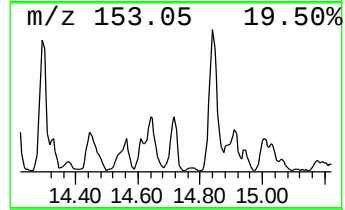
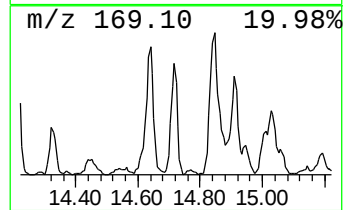
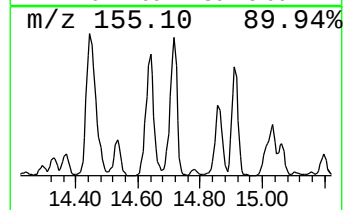
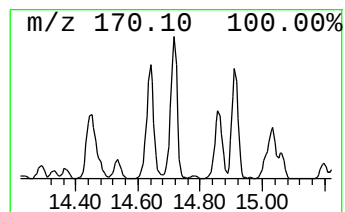
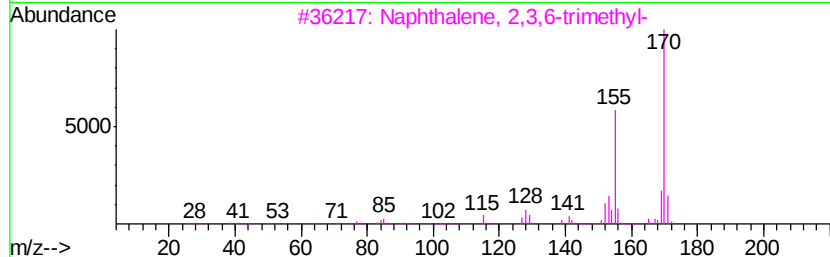
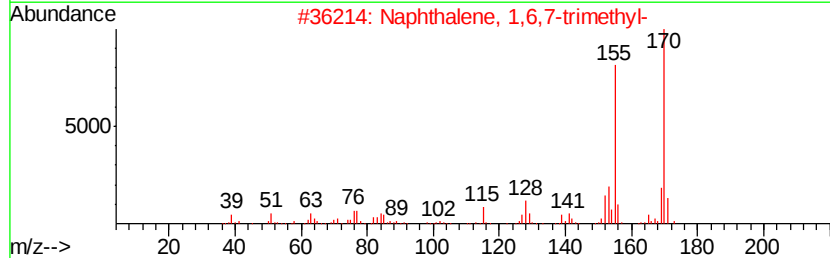
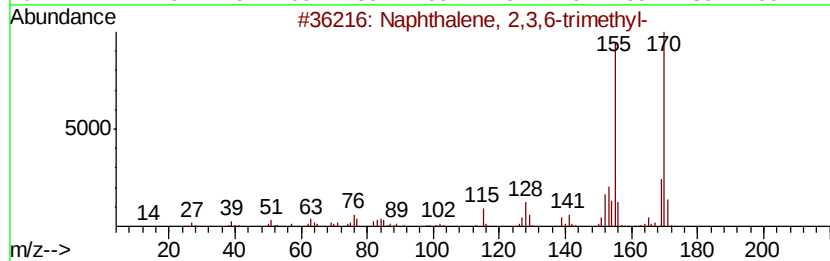
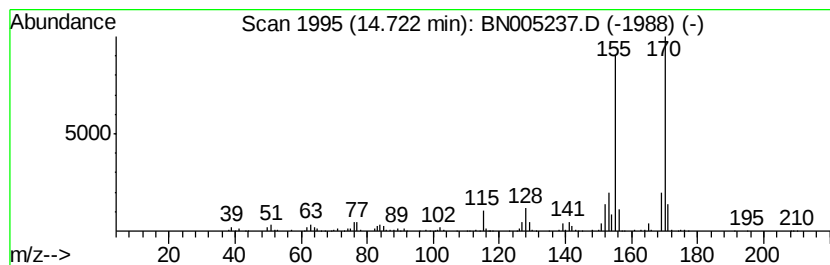
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	3.16 ng/ul	1014940	Acenaphthene-d10	14.23

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	96
5			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96



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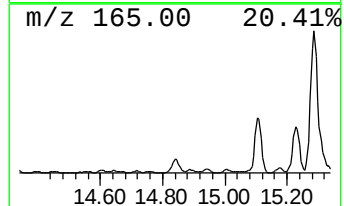
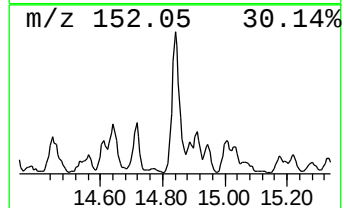
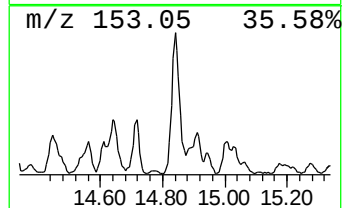
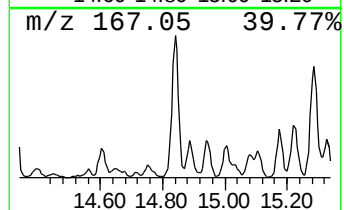
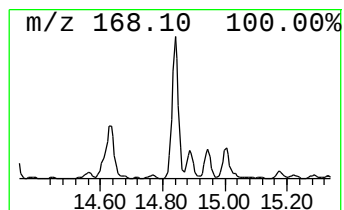
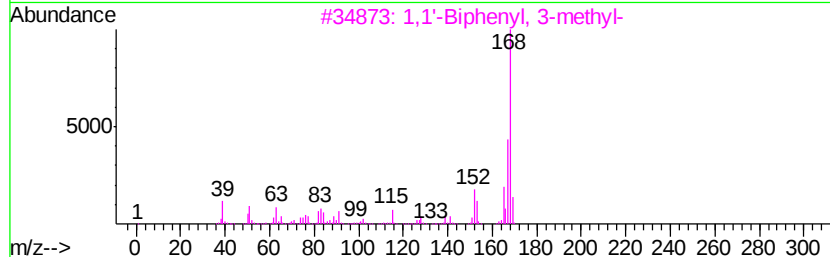
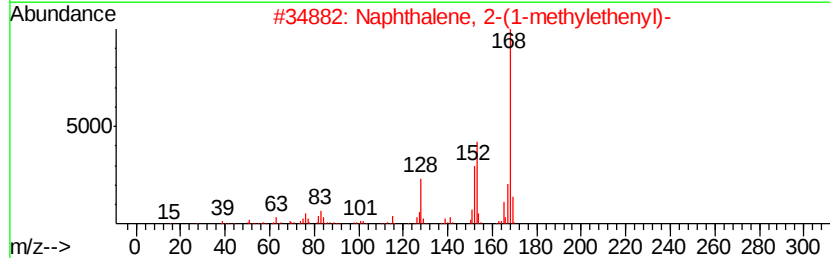
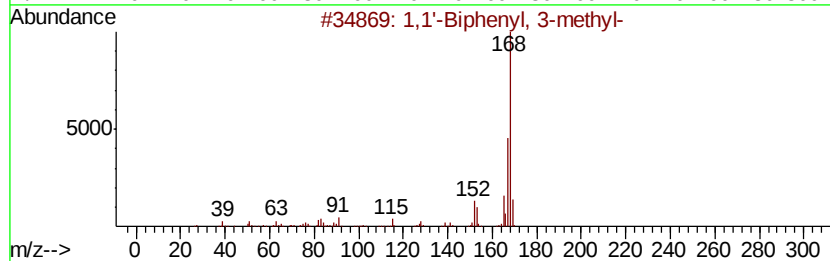
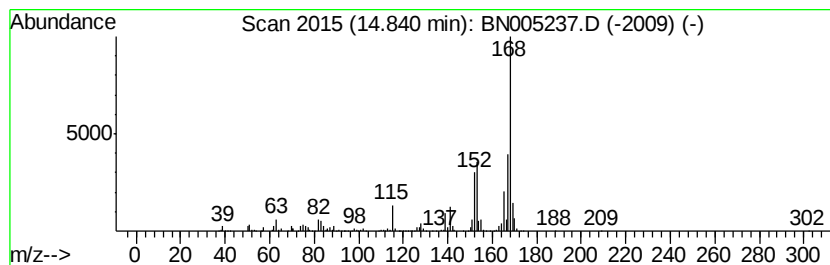
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.84	6.74 ng/ul	2161580	Acenaphthene-d10	14.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	72
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49



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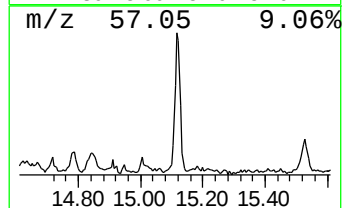
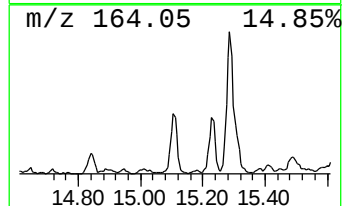
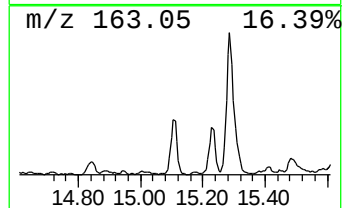
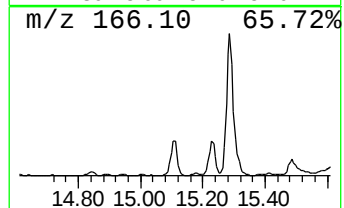
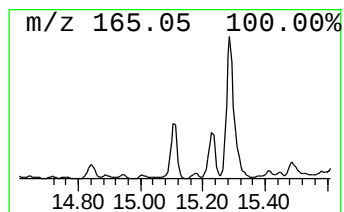
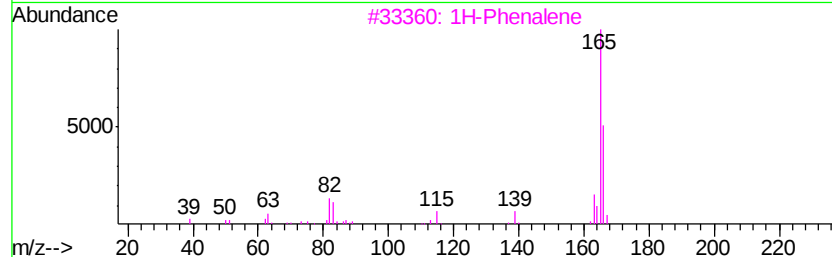
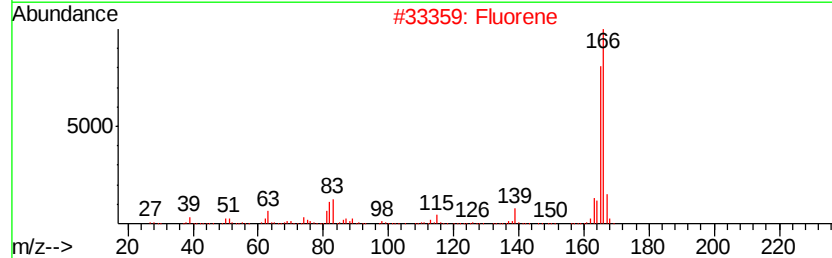
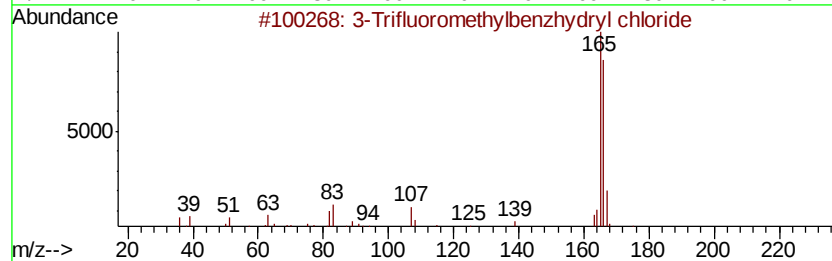
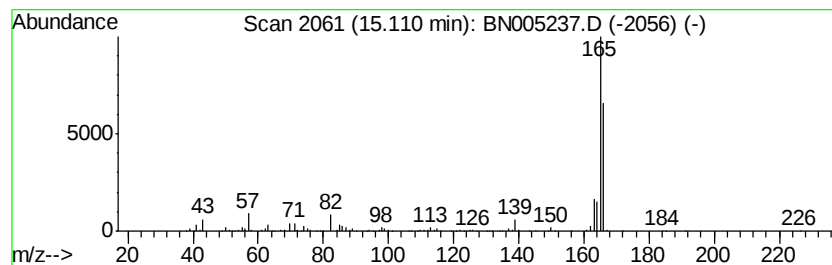
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 3-Trifluoromethylbenzhydryl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	3.37 ng/ul	1082560	Acenaphthene-d10	14.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Trifluoromethylbenzhvdrv1 chlo...	270	C14H10ClF3	067240-79-3	72
2		Fluorene	166	C13H10	000086-73-7	52
3		1H-Phenalene	166	C13H10	000203-80-5	50
4		Fluorene	166	C13H10	000086-73-7	43
5		Fluorene	166	C13H10	000086-73-7	40



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Data File : BN005237.D
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Misc :
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ClientSampleId :
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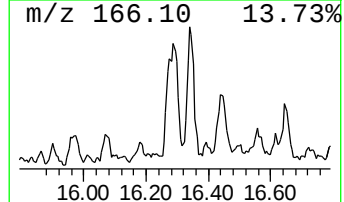
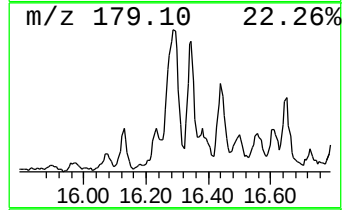
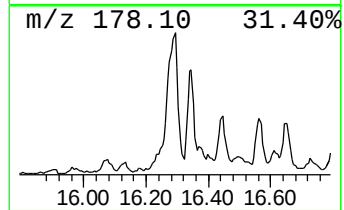
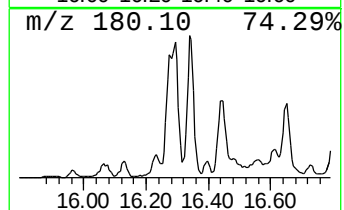
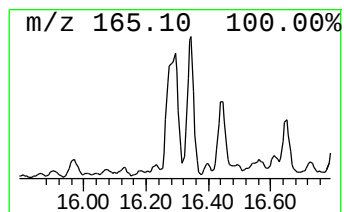
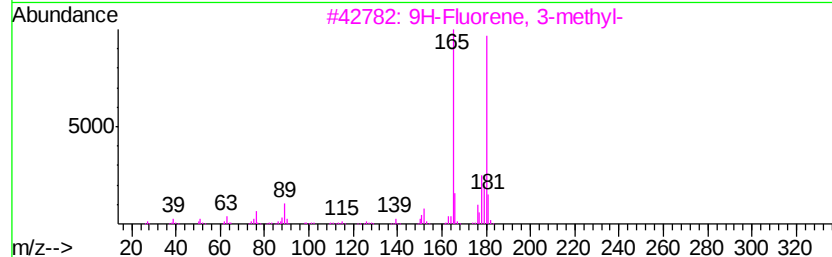
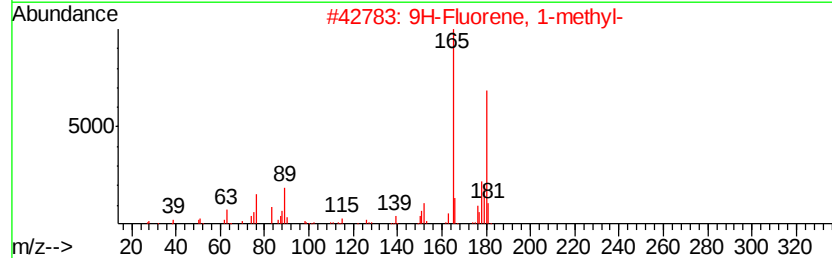
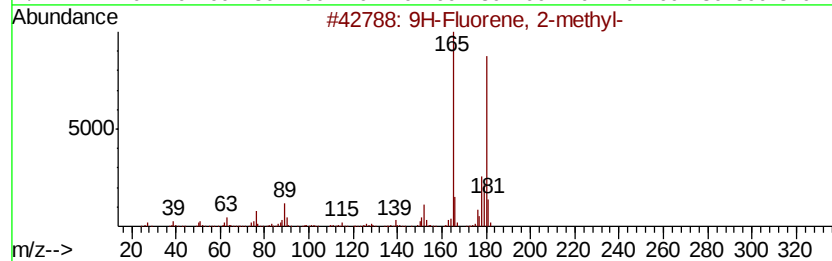
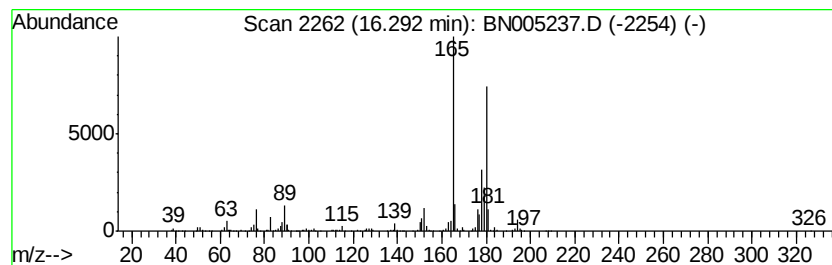
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	5.38 ng/ul	1463160	Phenanthrene-d10	16.99

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHR0DL

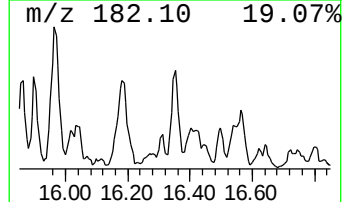
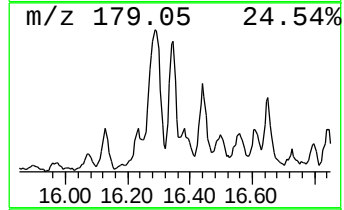
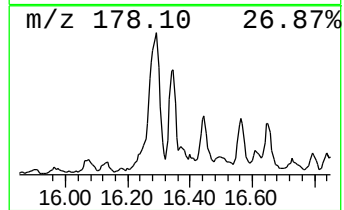
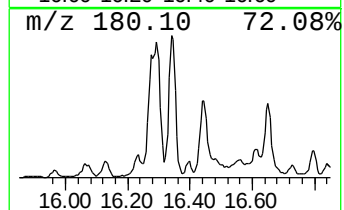
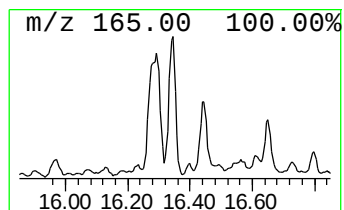
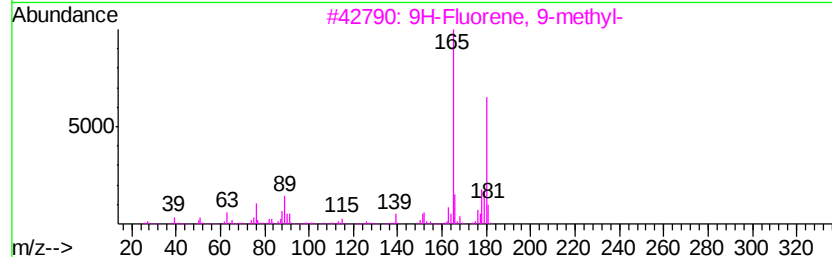
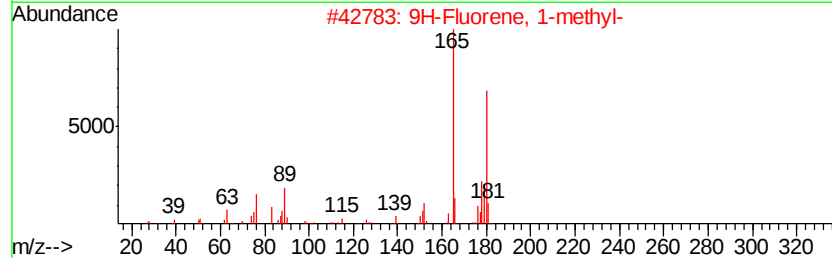
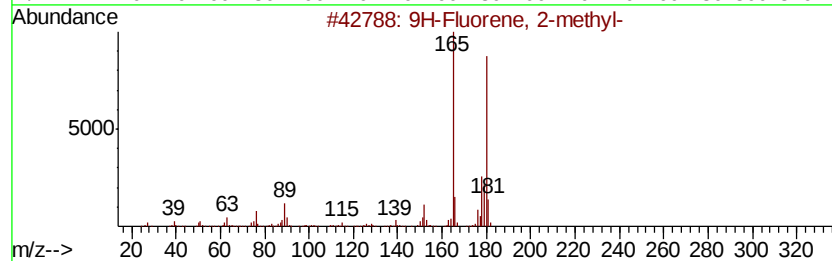
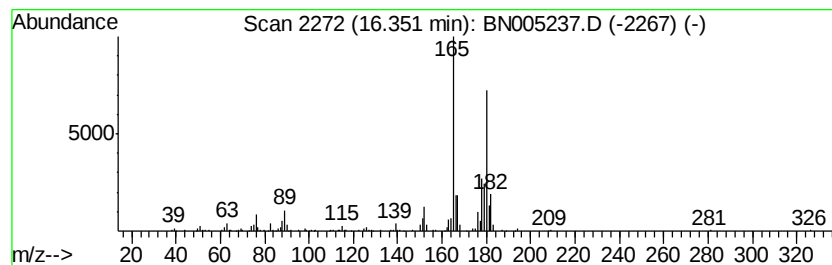
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	3.10 ng/ul	841465	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
5			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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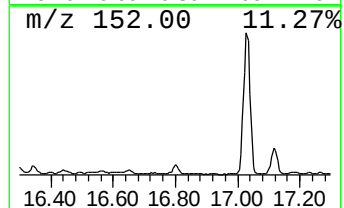
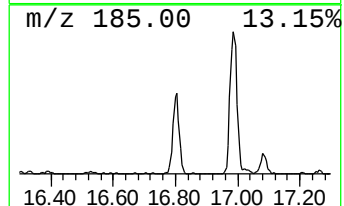
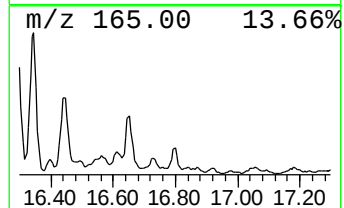
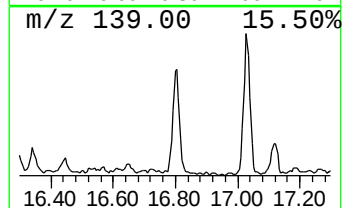
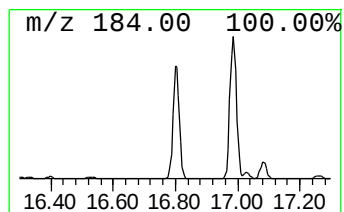
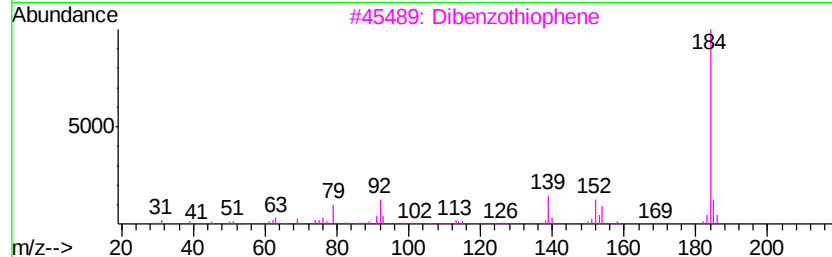
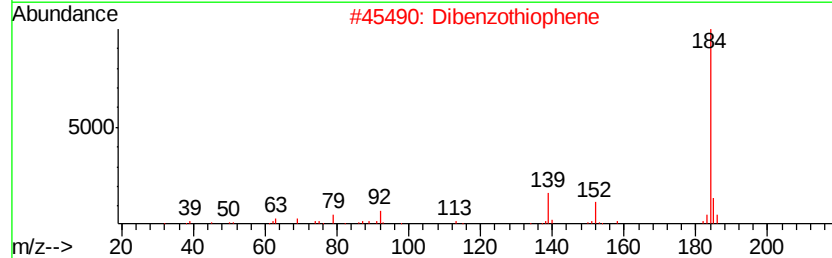
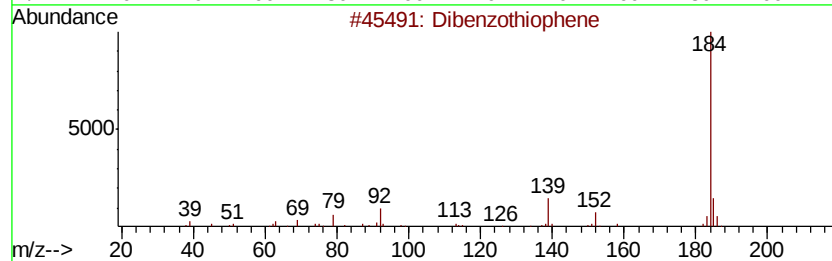
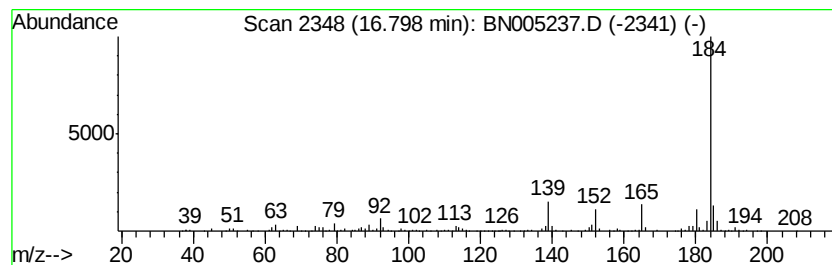
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.83 ng/ul	770163	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	91
2			Dibenzothiophene	184	C12H8S	000132-65-0	90
3			Dibenzothiophene	184	C12H8S	000132-65-0	87
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5			Dibenzothiophene	184	C12H8S	000132-65-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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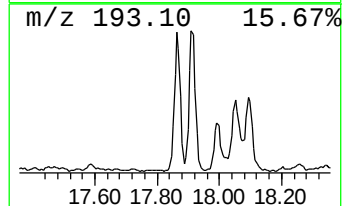
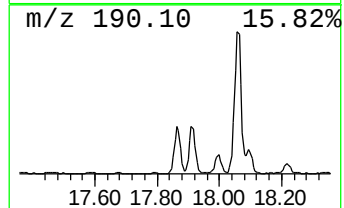
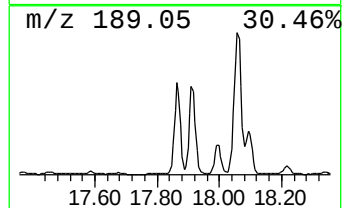
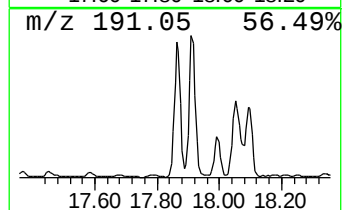
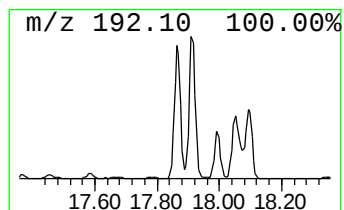
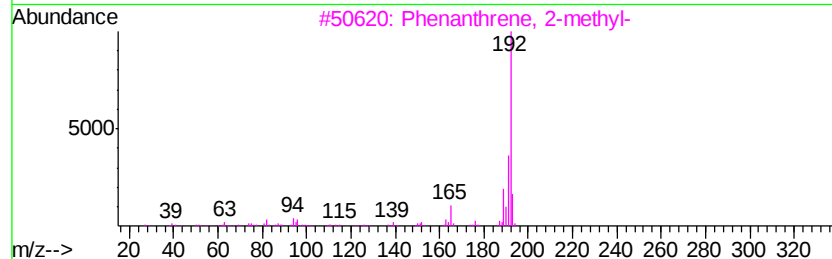
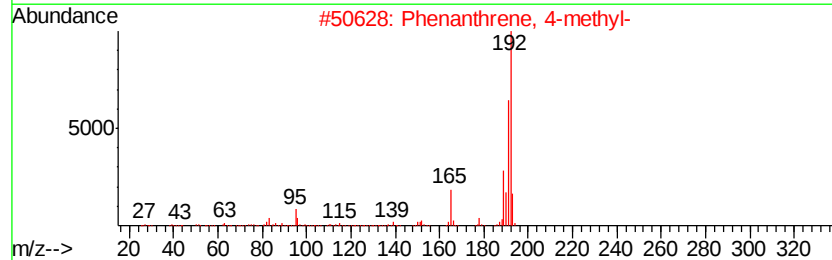
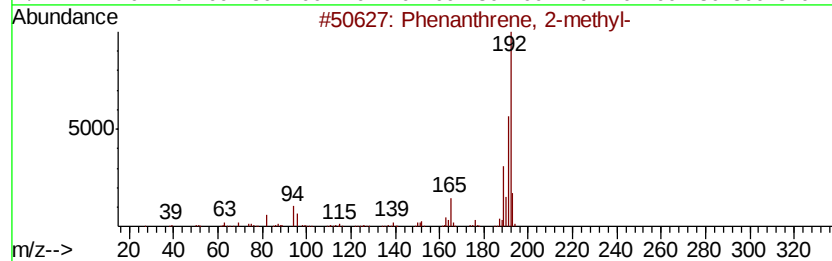
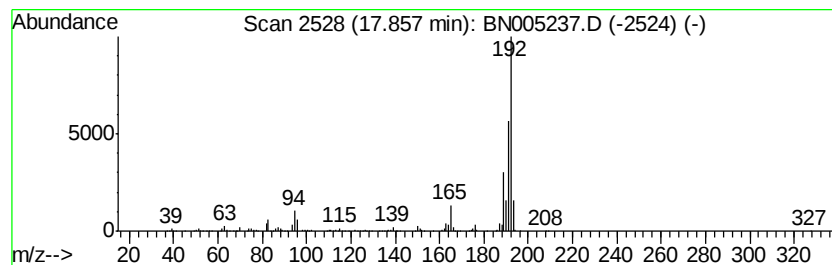
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	8.83 ng/ul	2400290	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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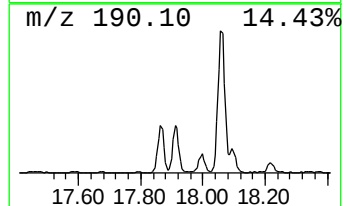
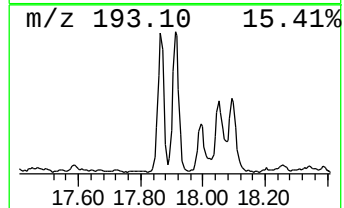
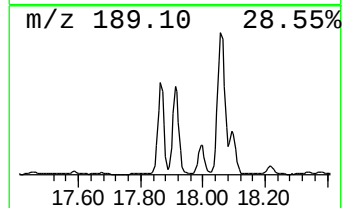
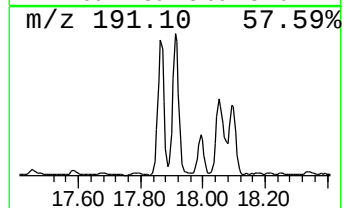
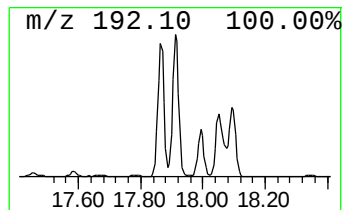
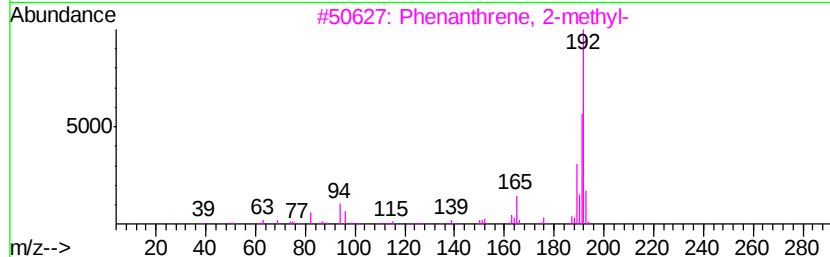
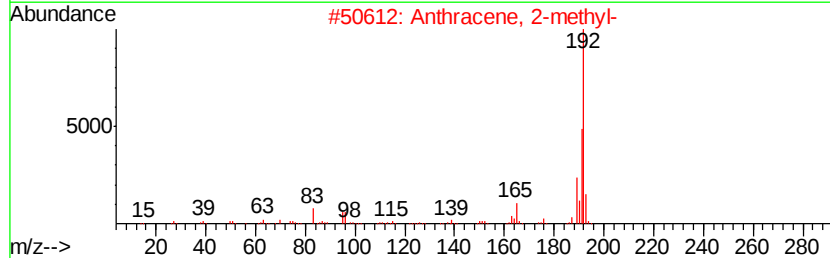
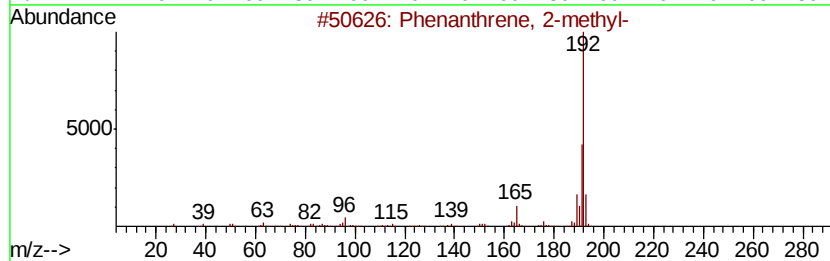
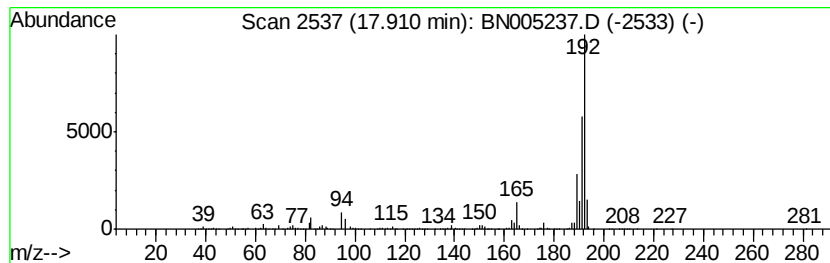
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	9.43 ng/ul	2562230	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
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Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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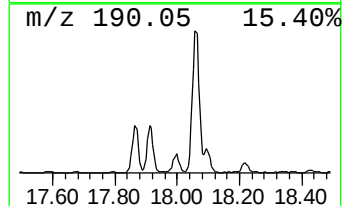
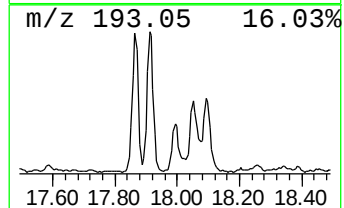
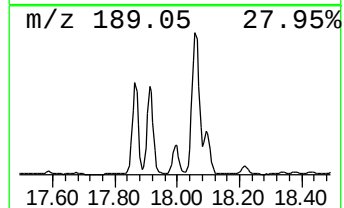
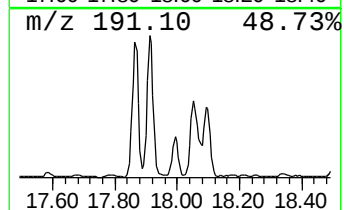
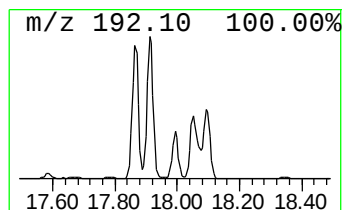
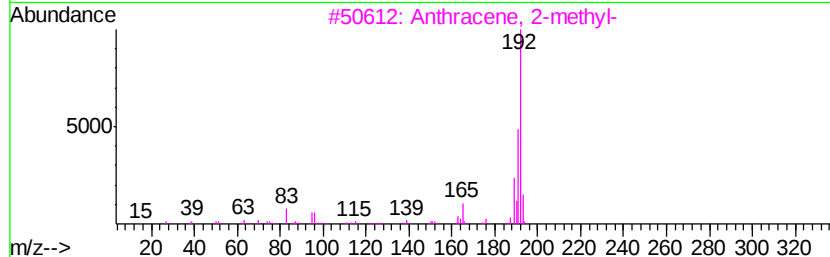
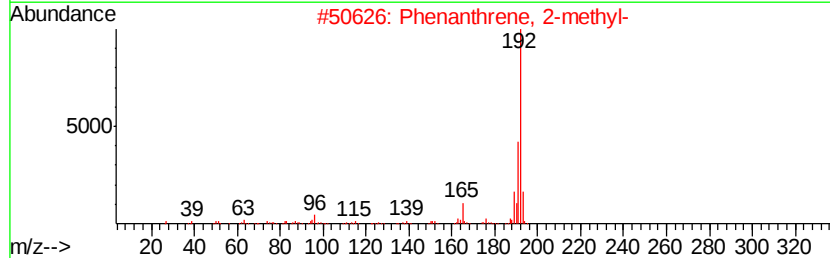
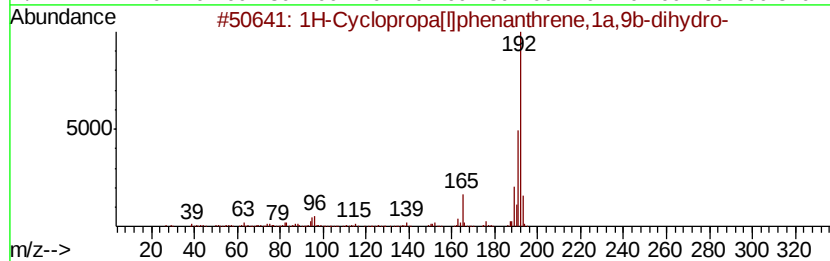
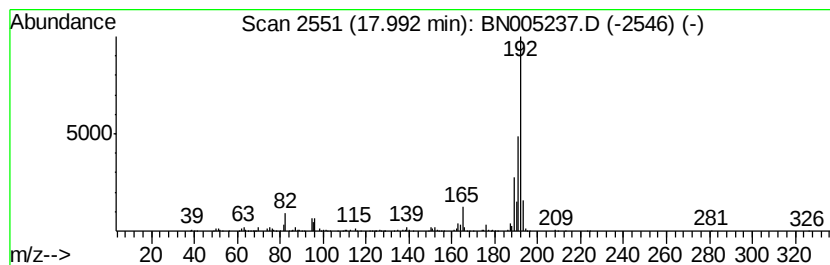
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.92 ng/ul	794922	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
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Sample : K2455-10DL 10X
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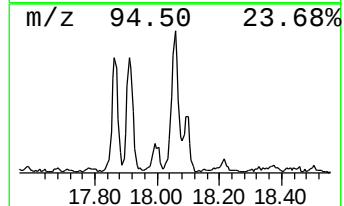
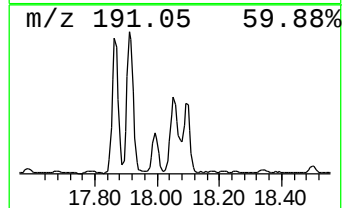
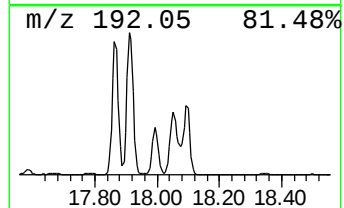
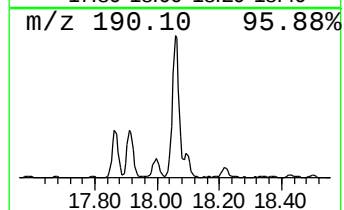
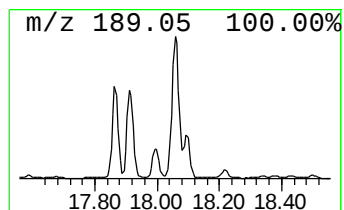
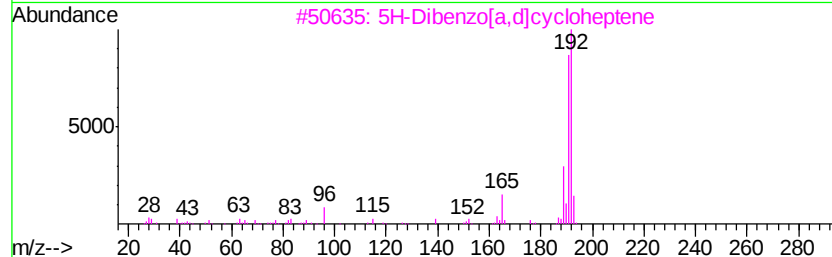
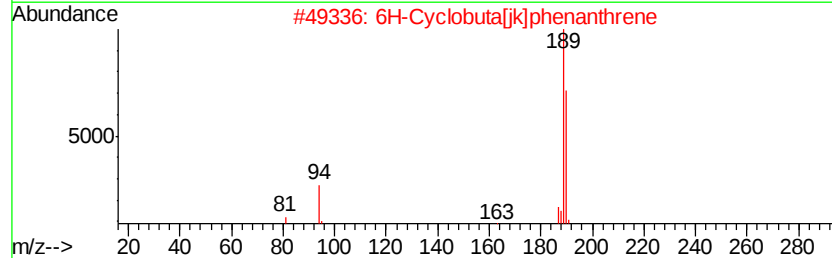
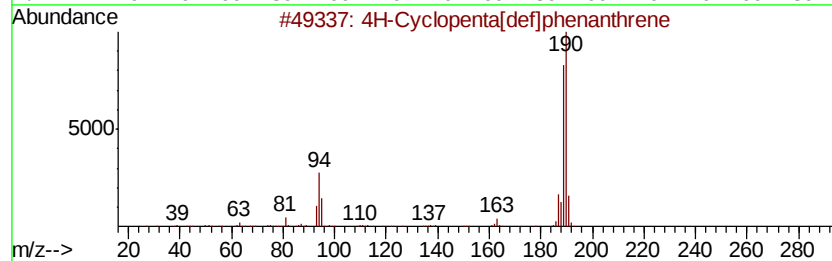
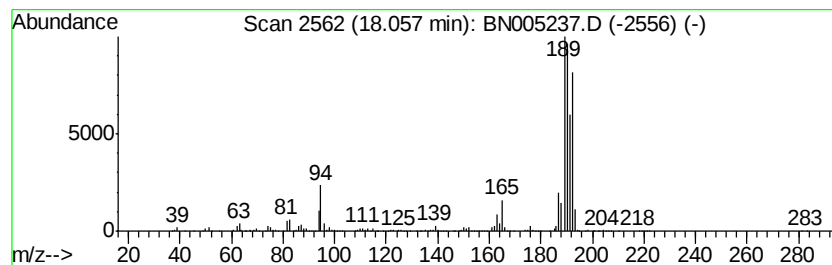
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.06	9.65 ng/ul	2624240	Phenanthrene-d10		16.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

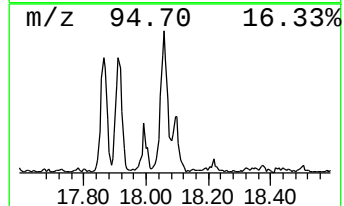
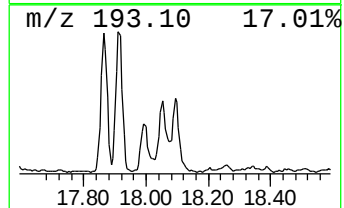
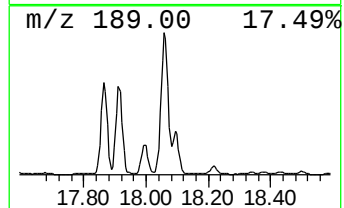
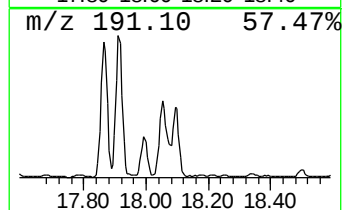
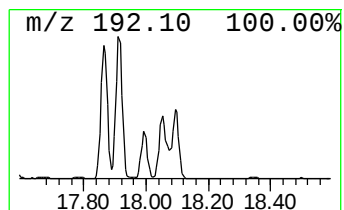
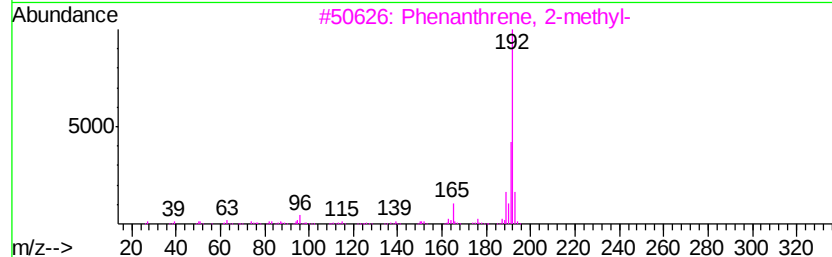
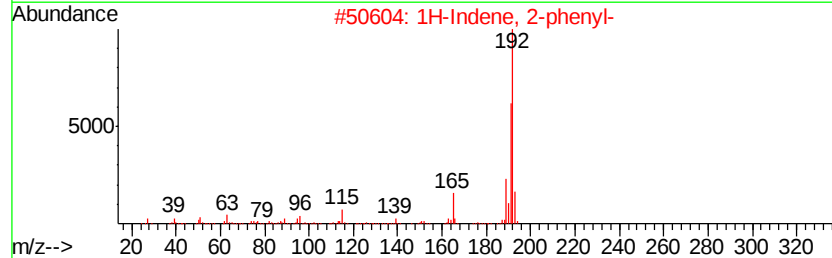
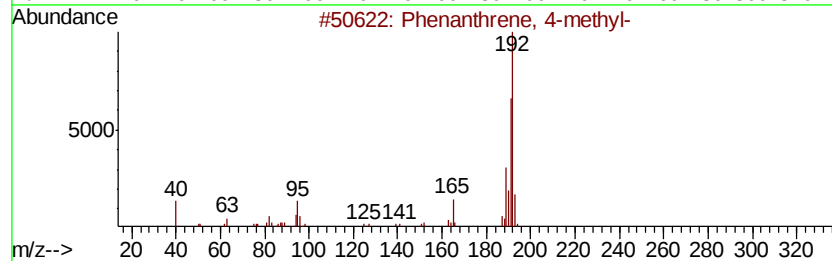
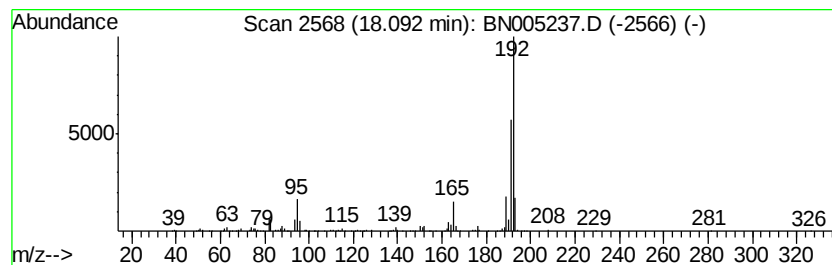
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.09	4.19 ng/ul	1140070	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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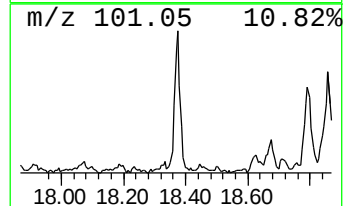
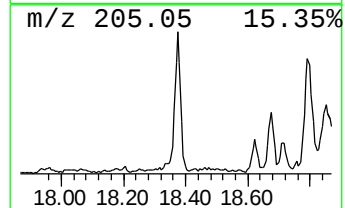
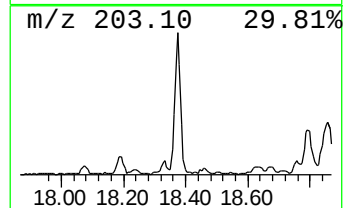
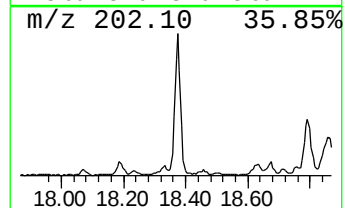
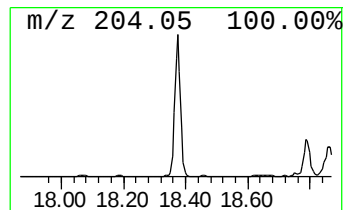
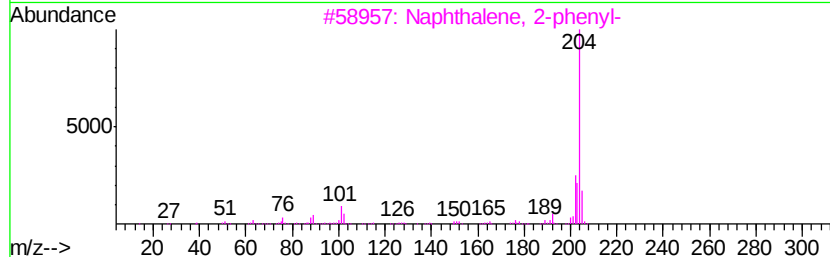
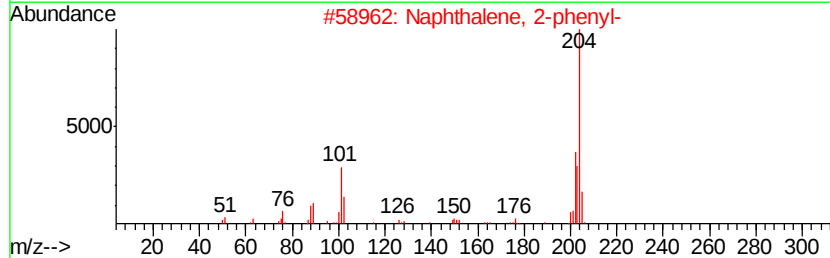
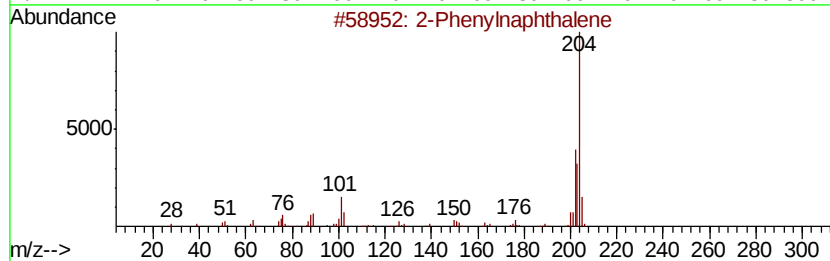
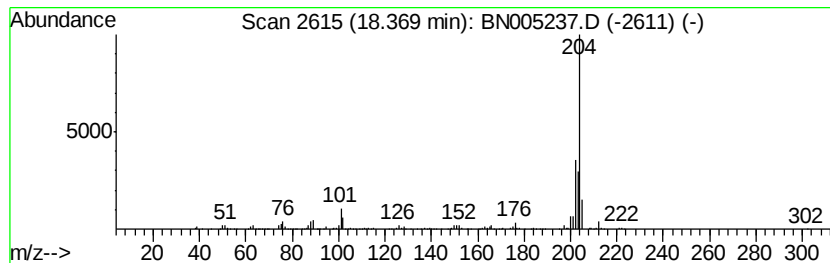
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 2-Phenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.35 ng/ul	911306	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4			5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
Sample : K2455-10DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHR0DL

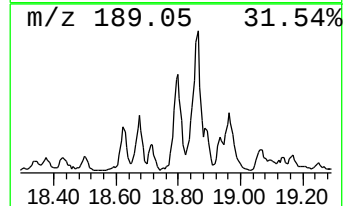
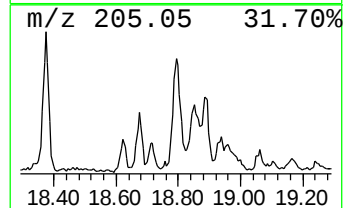
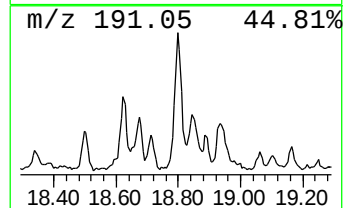
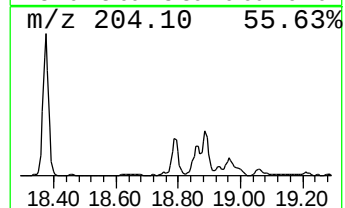
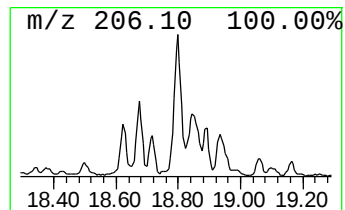
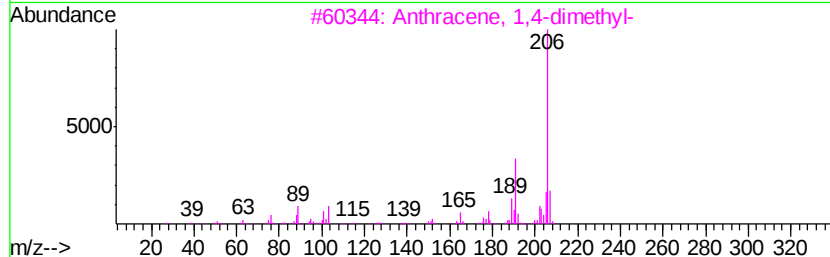
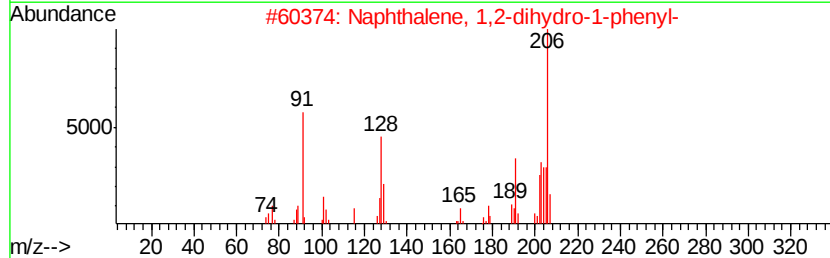
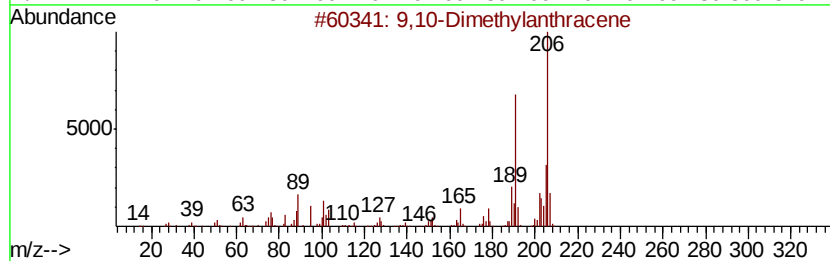
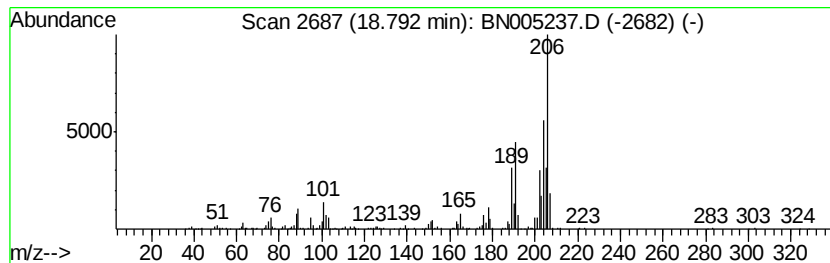
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 9,10-Dimethylantracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.43 ng/ul	932221	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	91
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042319\
Data File : BN005237.D
Acq On : 24 Apr 2019 04:50
Operator : JU/SJ
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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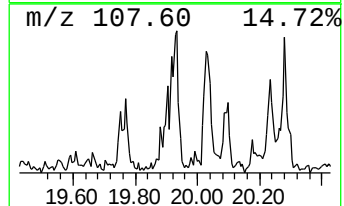
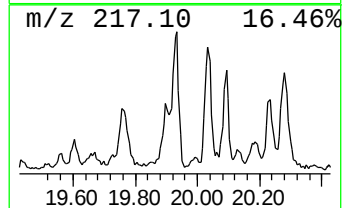
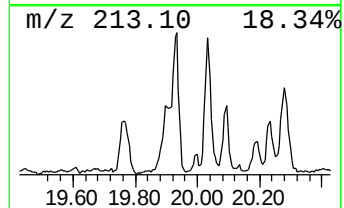
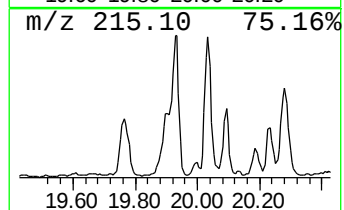
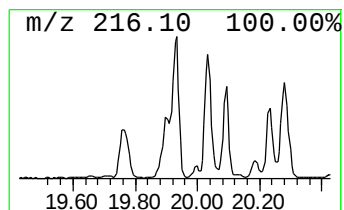
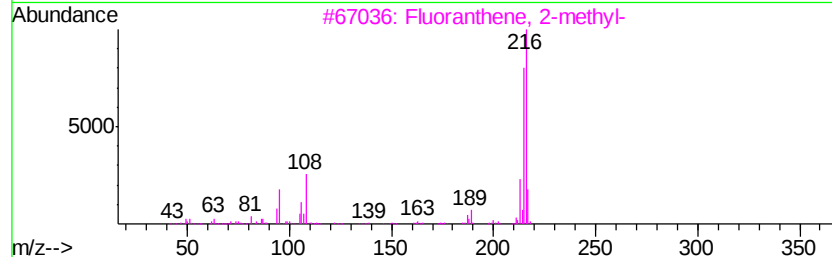
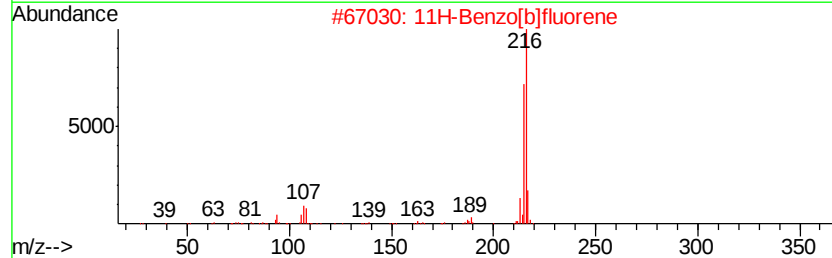
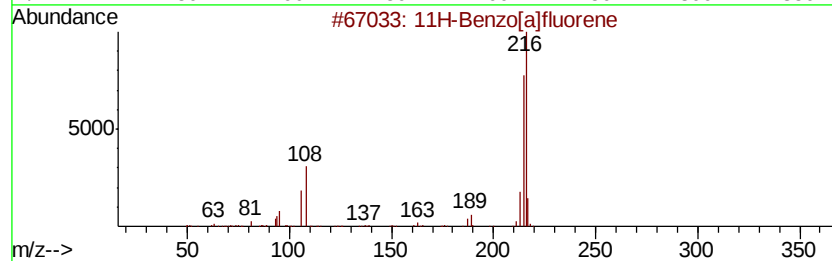
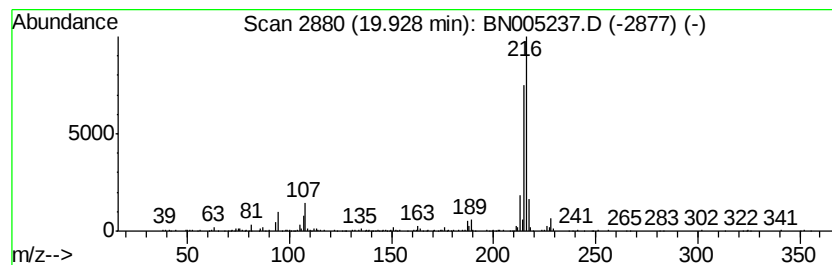
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 11H-Benzo[a]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.45 ng/ul	829825	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042319\
 Data File : BN005237.D
 Acq On : 24 Apr 2019 04:50
 Operator : JU/SJ
 Sample : K2455-10DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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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
(DEL) Alkane: Str...	11.81	3.2	ng/ul	765775	2	10.36	4801190	20.0
Naphthalene, 1-me...	12.25	21.0	ng/ul	5033550	2	10.36	4801190	20.0
Naphthalene, 2-et...	13.26	7.0	ng/ul	2253490	3	14.23	6418210	20.0
Naphthalene, 2,6-...	13.39	13.2	ng/ul	4233270	3	14.23	6418210	20.0
Naphthalene, 1,6-...	13.55	18.4	ng/ul	5907770	3	14.23	6418210	20.0
Naphthalene, 2,3-...	13.79	7.5	ng/ul	2404180	3	14.23	6418210	20.0
Naphthalene, 2,3,...	14.72	3.2	ng/ul	1014940	3	14.23	6418210	20.0
1,1'-Biphenyl, 3-...	14.84	6.7	ng/ul	2161580	3	14.23	6418210	20.0
3-Trifluoromethyl...	15.11	3.4	ng/ul	1082560	3	14.23	6418210	20.0
9H-Fluorene, 2-me...	16.29	5.4	ng/ul	1463160	4	16.99	5436680	20.0
9H-Fluorene, 1-me...	16.35	3.1	ng/ul	841465	4	16.99	5436680	20.0
Dibenzothiophene	16.80	2.8	ng/ul	770163	4	16.99	5436680	20.0
Phenanthrene, 2-m...	17.86	8.8	ng/ul	2400290	4	16.99	5436680	20.0
Anthracene, 2-met...	17.91	9.4	ng/ul	2562230	4	16.99	5436680	20.0
1H-Cyclopropa[l]p...	17.99	2.9	ng/ul	794922	4	16.99	5436680	20.0
4H-Cyclopenta[def...	18.06	9.7	ng/ul	2624240	4	16.99	5436680	20.0
Phenanthrene, 4-m...	18.09	4.2	ng/ul	1140070	4	16.99	5436680	20.0
2-Phenylnaphthalene	18.37	3.4	ng/ul	911306	4	16.99	5436680	20.0
9,10-Dimethylanth...	18.79	3.4	ng/ul	932221	4	16.99	5436680	20.0
11H-Benzo[a]fluorene	19.93	2.5	ng/ul	829825	5	21.22	6777980	20.0