LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101719\
Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.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	6.387	727	731	735	rBV	880112	866812	22.80%	1.276%
2	6.428	735	738	750	rVV	900204	816974	21.49%	1.203%
3	6.516	750	753	757	rVV	1130910	992787	26.12%	1.462%
4	6.746	789	792	801	rBV	919350	769135	20.23%	1.132%
5	7.134	855	858	873	rBV	1224269	1068962	28.12%	1.574%
6	7.305	884	887	893	rVV	1103067	882104	23.21%	1.299%
7	7.634	939	943	958	rBV	871751	714716	18.80%	1.052%
8	7.881	982	985	1000	rBV	1102512	1186597	31.22%	1.747%
9	8.034	1007	1011	1013	rBV	1197372	1031070	27.13%	1.518%
10	8.093	1018	1021	1037	rVB	759262	660293	17.37%	0.972%
11	9.487	1255	1258	1261	rVV	1873522	1746007	45.93%	2.570%
12	9.510	1261	1262	1267	rVV	828146	520360	13.69%	0.766%
13	9.640	1281	1284	1295	rVB	2667470	2275304	59.86%	3.350%
14	9.799	1307	1311	1314	rVV	1502154	1281285	33.71%	1.886%
15	9.828	1314	1316	1319	rVB	87838	67287	1.77%	0.099%
16	9.916	1325	1331	1336	rBV	207776	268381	7.06%	0.395%
17	10.005	1343	1346	1350	rVV	148500	140901	3.71%	0.207%
18	10.210	1377	1381	1385	rVV3	41692	66649	1.75%	0.098%
19	10.322	1396	1400	1403	rVV	2901521	2597653	68.34%	3.824%
20	10.346	1403	1404	1409	rVB	112929	76494	2.01%	0.113%
21	10.393	1409	1412	1418	rBV2	303538	303579	7.99%	0.447%
22	10.446	1418	1421	1426	rVV4	51788	105148	2.77%	0.155%
23	10.716	1462	1467	1471	rBV4	64934	81865	2.15%	0.121%
24	11.293	1562	1565	1568	rBV	1473178	1506677	39.64%	2.218%
25	11.322	1568	1570	1572	rVV	1267447	980948	25.81%	1.444%
26	11.352	1572	1575	1578	rVV	3046443	2745258	72.22%	4.042%
27	11.528	1602	1605	1608	rBV	112616	95440	2.51%	0.141%
28	11.634	1620	1623	1629	rVB2	110340	113312	2.98%	0.167%
29	11.804	1648	1652	1654	rBV	377342	309751	8.15%	0.456%
30	11.834	1654	1657	1661	rVV	485293	419031	11.02%	0.617%
31	11.881	1661	1665	1668	rVV2	162570	149815	3.94%	0.221%
32	11.916	1668	1671	1673	rVV	597563	596873	15.70%	0.879%
33	11.940	1673	1675	1680	rVB	304844	269127	7.08%	0.396%
34	12.104	1700	1703	1705	rVV	225889	195921	5.15%	0.288%

LSC Area Percent Report

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Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Title : SVOA CALIBRATION

35	12.128	1705	1707	1712	rVB2	225037	203615	5.36%	0.300%
36	12.257	1727	1729	1731	rVB	124379	90885	2.39%	0.134%
37	12.287	1731	1734	1736	rBV	106284	85888	2.26%	0.126%
38	12.310	1736	1738	1741	rVB2	98299	84086	2.21%	0.124%
39	12.363	1743	1747	1750	rBV	359778	365111	9.61%	0.538%
40	12.399	1750	1753	1755	rBV	159138	163811	4.31%	0.241%
41	12.451	1759	1762	1766	rBV2	224041	271330	7.14%	0.399%
42	12.528	1771	1775	1778	rVB	3013786	2569689	67.60%	3.783%
43	12.575	1778	1783	1784	rBV3	109862	99639	2.62%	0.147%
44	12.593	1784	1786	1789	rVB2	83136	69187	1.82%	0.102%
45	12.622	1789	1791	1794	rVB	83579	64942	1.71%	0.096%
46	12.663	1794	1798	1799	rBV4	116420	122262	3.22%	0.180%
47	12.740	1807	1811	1813	rBV	3471858	3711102	97.63%	5.464%
48	12.757	1813	1814	1817	rVV	2910879	1957004	51.49%	2.881%
49	12.810	1821	1823	1828	rVB2	134965	193167	5.08%	0.284%
50	12.875	1831	1834	1837	rBV2	153679	149555	3.93%	0.220%
51	12.916	1839	1841	1846	rVB3	134381	145782	3.84%	0.215%
52	12.981	1847	1852	1855	rBV2	317020	441932	11.63%	0.651%
53	13.040	1859	1862	1864	rBV2	88443	104153	2.74%	0.153%
54	13.069	1864	1867	1868	rBV3	208465	235008	6.18%	0.346%
55	13.093	1868	1871	1874	rVB	563017	566588	14.91%	0.834%
56	13.157	1874	1882	1885	rBV	503232	597876	15.73%	0.880%
57	13.193	1885	1888	1891	rBV	455789	484022	12.73%	0.713%
58	13.287	1901	1904	1907	rBV	307434	278528	7.33%	0.410%
59	13.322	1907	1910	1914	rBV	325352	284590	7.49%	0.419%
60	13.498	1933	1940	1942	rBV6	185721	296225	7.79%	0.436%
61	13.522	1942	1944	1946	rVB	94094	81266	2.14%	0.120%
62	13.587	1952	1955	1956	rBV2	90276	97601	2.57%	0.144%
63	13.604	1956	1958	1963	rVV	243586	280809	7.39%	0.413%
64	13.716	1973	1977	1980	rBV2	370514	460505	12.12%	0.678%
65	13.746	1980	1982	1984	rVV	400413	308203	8.11%	0.454%
66	13.769	1984	1986	1990	rVV2	191263	225198	5.92%	0.332%
67	13.822	1990	1995	2002	rVV4	538101	844573	22.22%	1.243%
68	13.887	2004	2006	2009	rVB	89653	77595	2.04%	0.114%
69	13.963	2015	2019	2023	rBV2	2696643	3801092	100.00%	5.596%
70	13.998	2023	2025	2033	rVB	1731684	1560547	41.06%	2.297%
71	14.081	2033	2039	2041	rBV3	307053	410137	10.79%	0.604%

LSC Area Percent Report

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Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Title : SVOA CALIBRATION

72	14.116	2042	2045	2049	rBV2	202458	338908	8.92%	0.499%
73	14.240	2063	2066	2068	rBV2	113089	128628	3.38%	0.189%
74	14.298	2073	2076	2078	rBV3	180954	186125	4.90%	0.274%
75	14.369	2083	2088	2091	rVV	539225	657539	17.30%	0.968%
76	14.398	2091	2093	2097	rVB	262633	249600	6.57%	0.367%
77	14.463	2097	2104	2107	rBV6	588507	814207	21.42%	1.199%
78	14.493	2107	2109	2111	rVV	240244	220738	5.81%	0.325%
79	14.516	2111	2113	2116	rVB	298625	249779	6.57%	0.368%
80	14.569	2120	2122	2125	rBV2	130234	112277	2.95%	0.165%
81	14.681	2139	2141	2142	rBV2	96183	82073	2.16%	0.121%
82	14.769	2153	2156	2159	rBV2	493007	507856	13.36%	0.748%
83	14.840	2166	2168	2171	rBV2	97433	105096	2.76%	0.155%
84	15.028	2195	2200	2203	rBV	1418651	2113377	55.60%	3.111%
85	15.110	2210	2214	2217	rBV2	732826	888796	23.38%	1.308%
86	15.328	2247	2251	2254	rBV	778624	1081805	28.46%	1.593%
87	15.369	2254	2258	2260	rVV	2020910	2686122	70.67%	3.955%
88	15.393	2260	2262	2268	rVB	1298778	1430324	37.63%	2.106%
89	15.457	2268	2273	2276	rBV	1083212	1376527	36.21%	2.027%
90	15.493	2276	2279	2285	rVB3	827230	1188958	31.28%	1.750%
91	15.934	2350	2354	2360	rBV	709797	997304	26.24%	1.468%
92	16.016	2366	2368	2373	rVB2	141103	159971	4.21%	0.236%
93	16.445	2435	2441	2452	rBV	513191	987669	25.98%	1.454%
94	16.734	2487	2490	2493	rBV	66162	94225	2.48%	0.139%
95	16.928	2517	2523	2533	rVB2	575322	1122633	29.53%	1.653%
96	17.039	2537	2542	2548	rVV	347093	673472	17.72%	0.991%
97	17.104	2550	2553	2557	rVV	95131	145011	3.81%	0.213%
98	17.163	2559	2563	2568	rVB2	95949	168141	4.42%	0.248%
99	17.369	2592	2598	2609	rVB	395090	789143	20.76%	1.162%
100	17.745	2655	2662	2675	rVB	267144	682529	17.96%	1.005%

Sum of corrected areas: 67924852

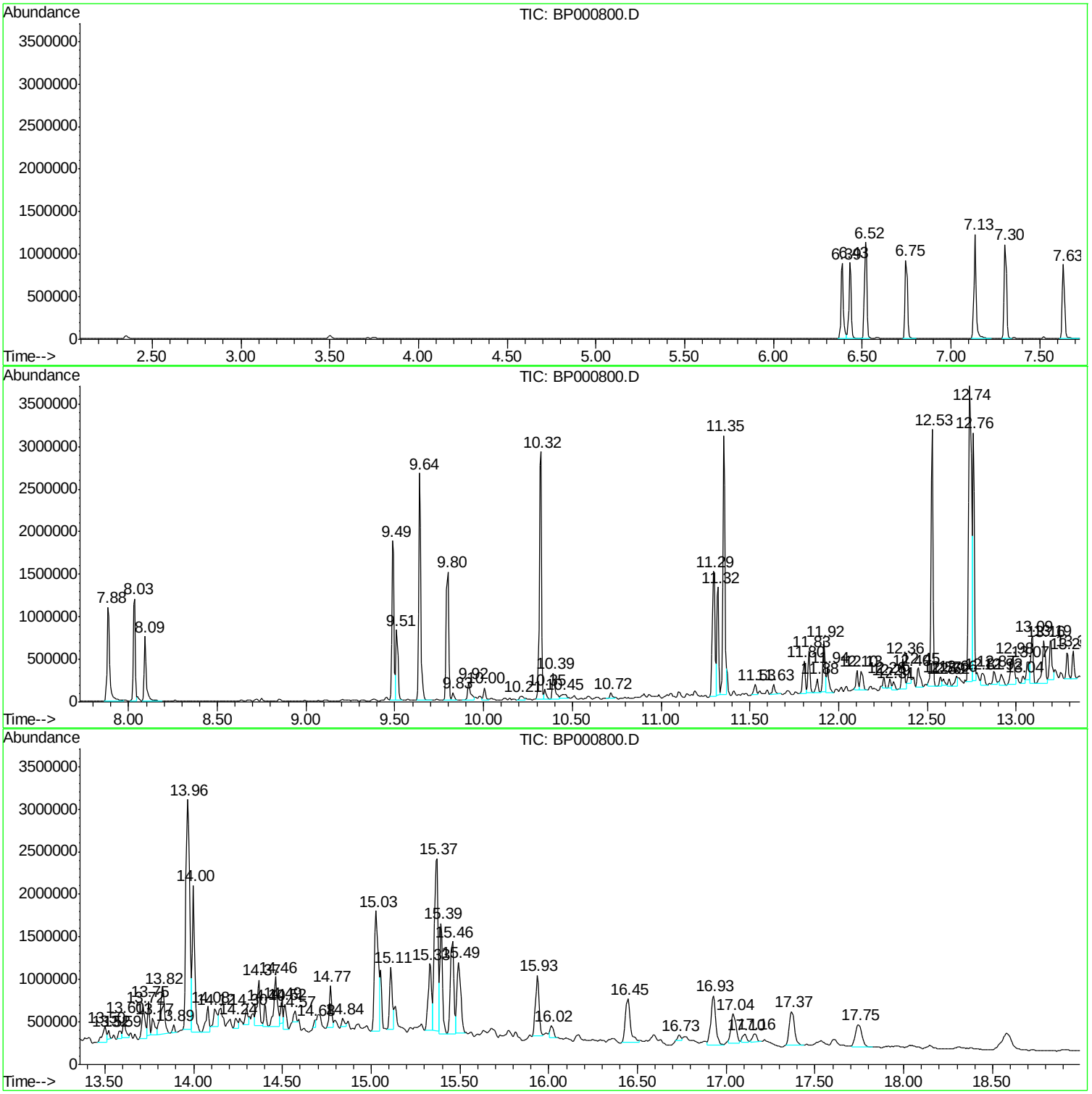
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101719\
Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101719\
Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

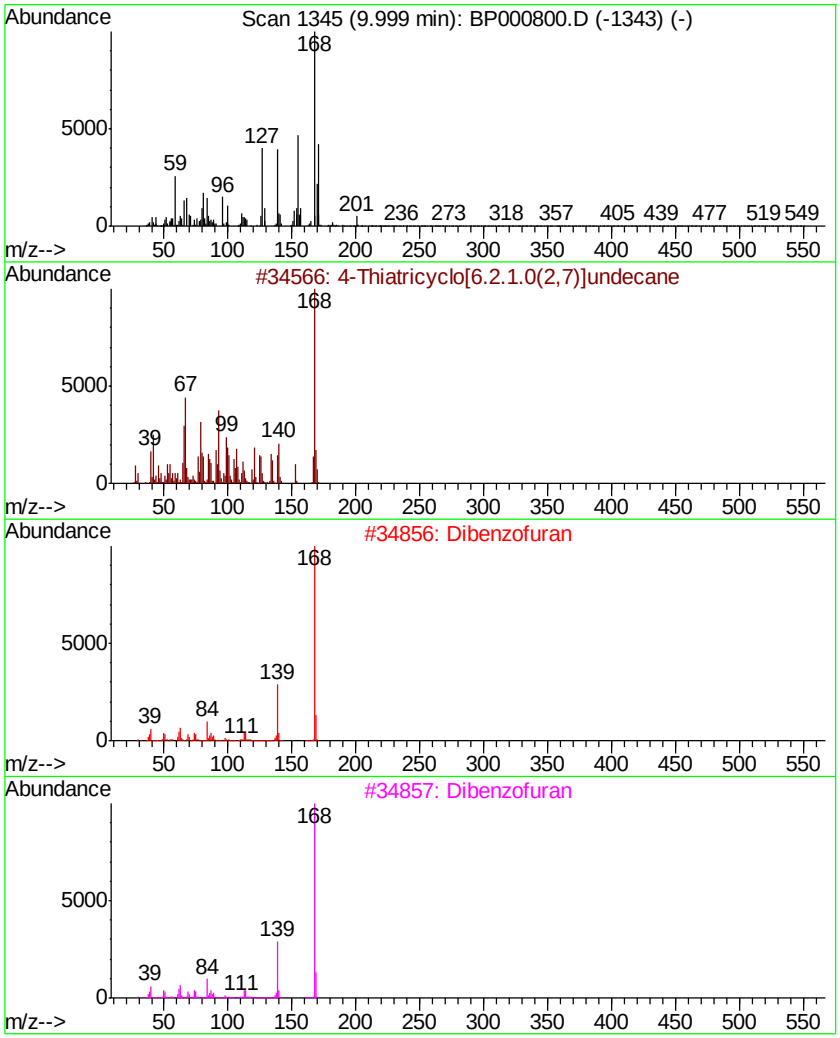
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

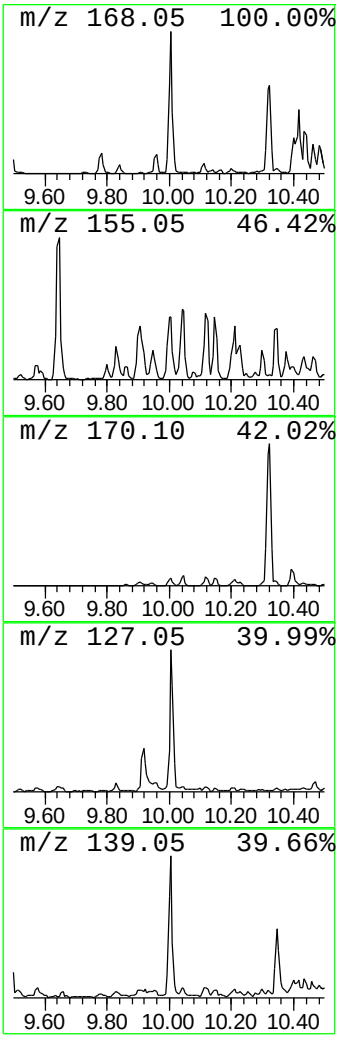
****

Peak Number 1 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	2.20 ng/ul	140901	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Thiatricyclo[6.2.1.0(2,7)]unde...	168	C10H16S	1000185-01-3	35
2	Dibenzofuran	168	C12H8O	000132-64-9	15
3	Dibenzofuran	168	C12H8O	000132-64-9	15
4	1'-Acetonaphthone	170	C12H10O	000941-98-0	11
5	Dibenzofuran	168	C12H8O	000132-64-9	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101719\
Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

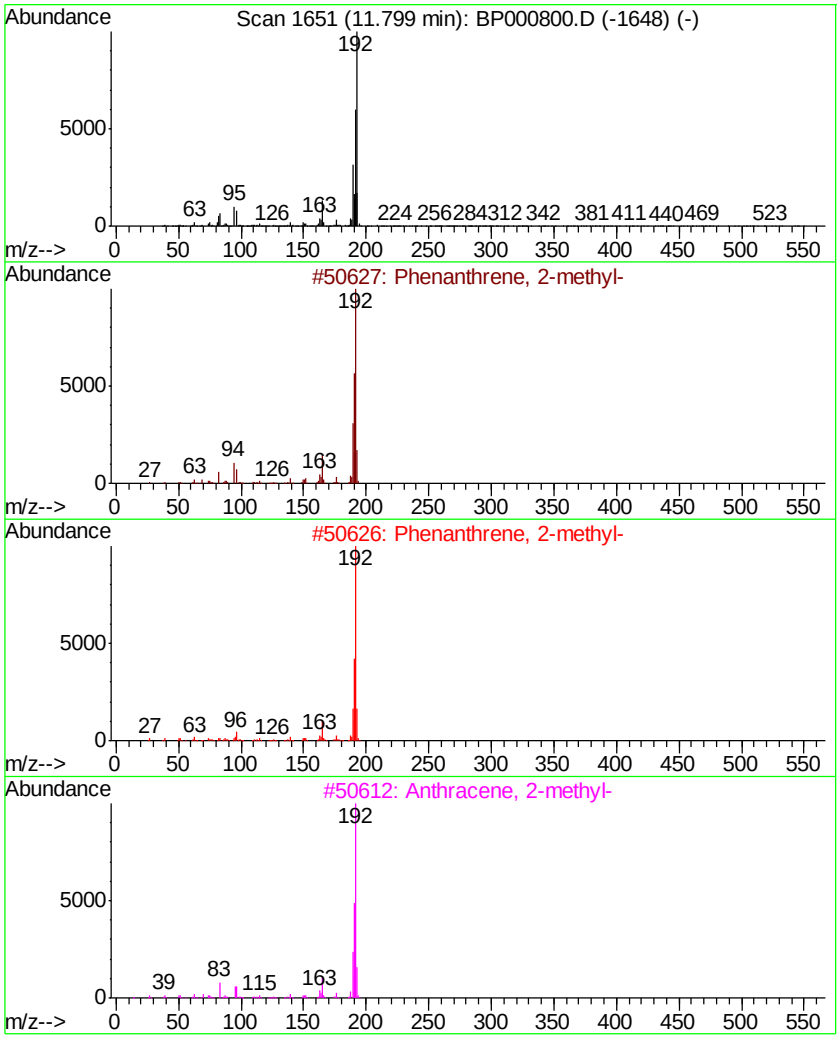
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

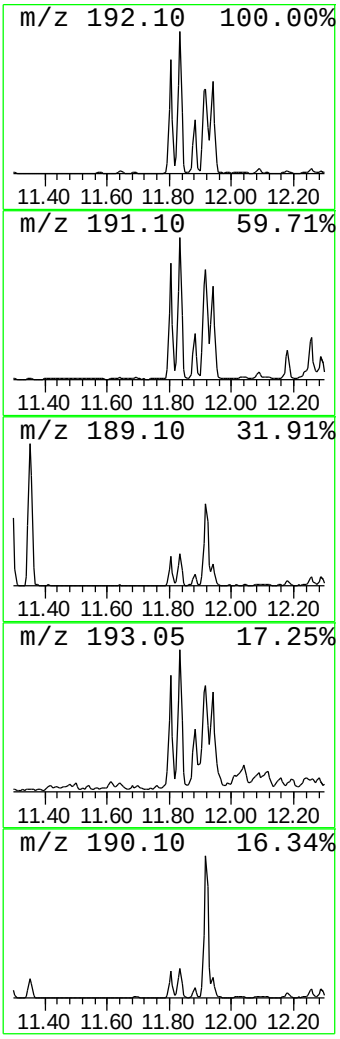
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.11 ng/ul	309751	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101719\
Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

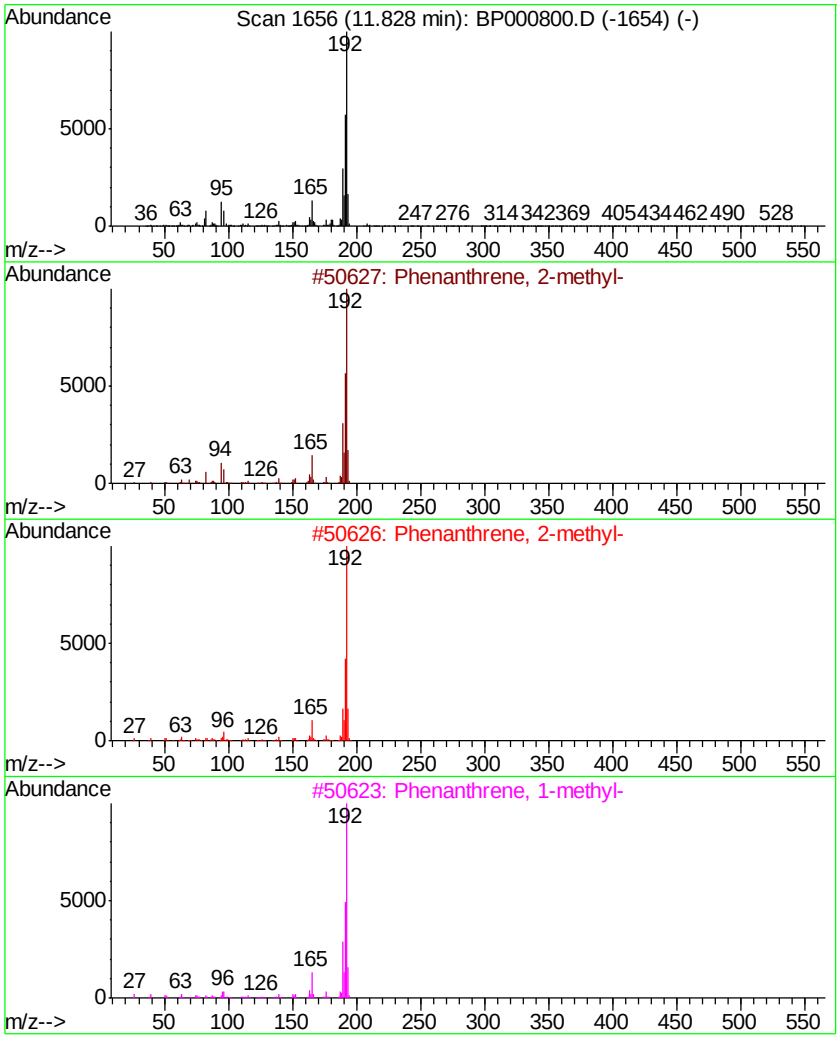
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

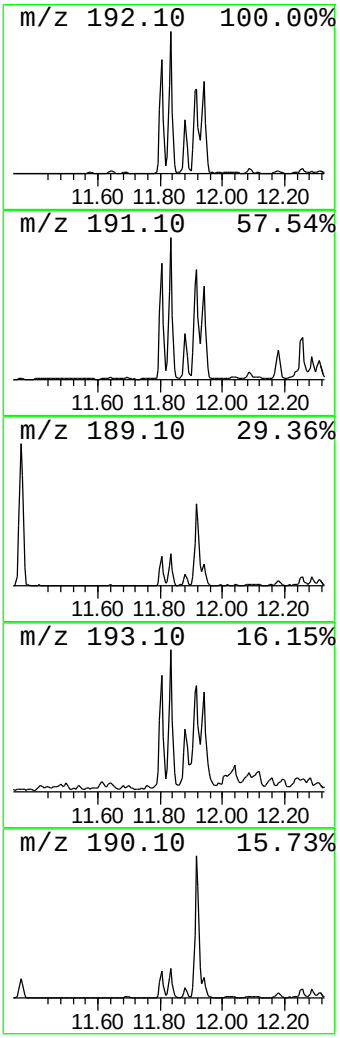
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.56 ng/ul	419031	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

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Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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

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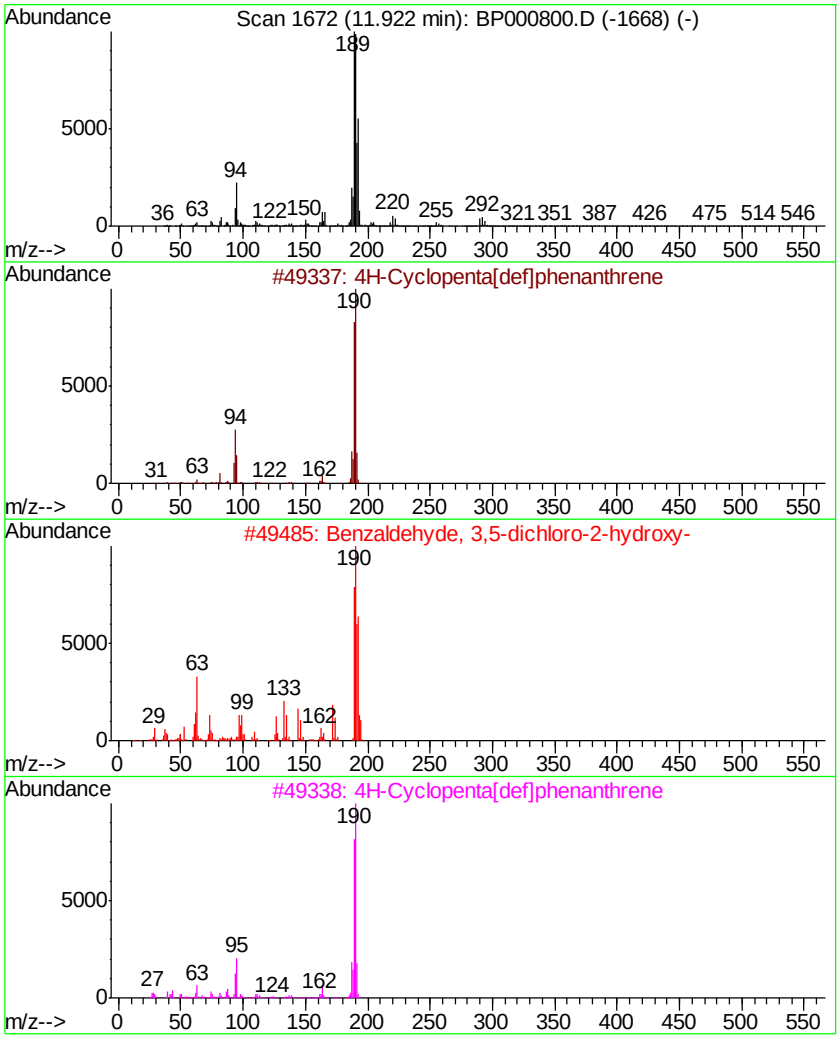
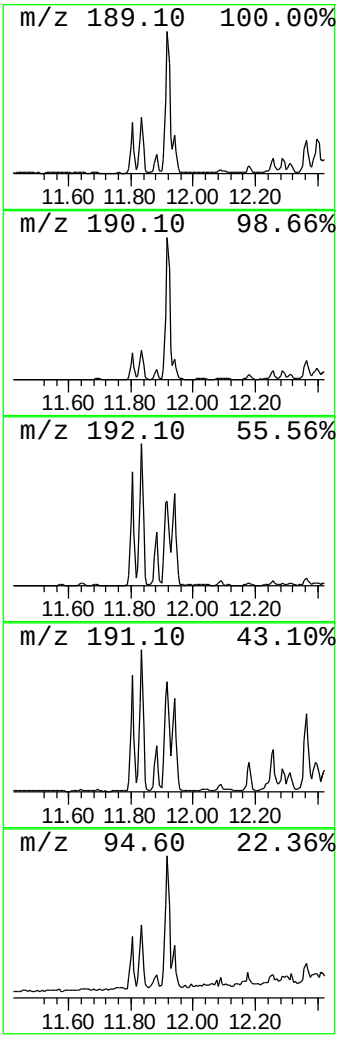
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.92 ng/ul	596873	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Library Search Compound Report

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Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

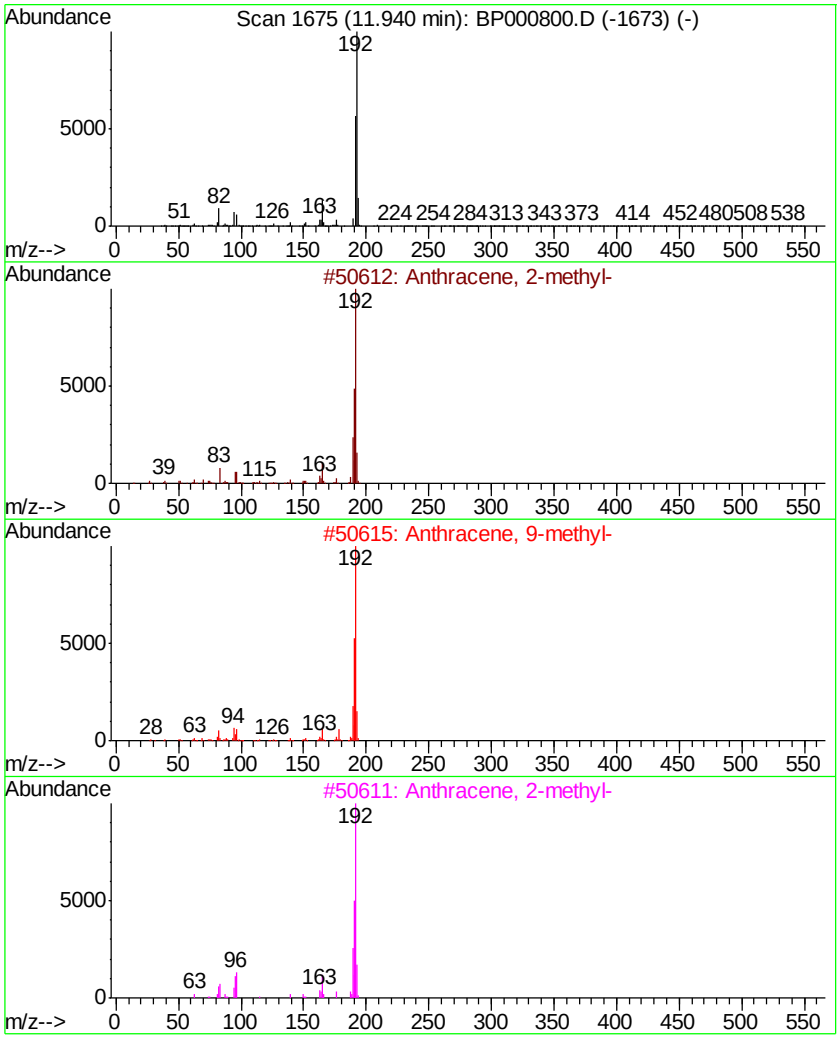
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

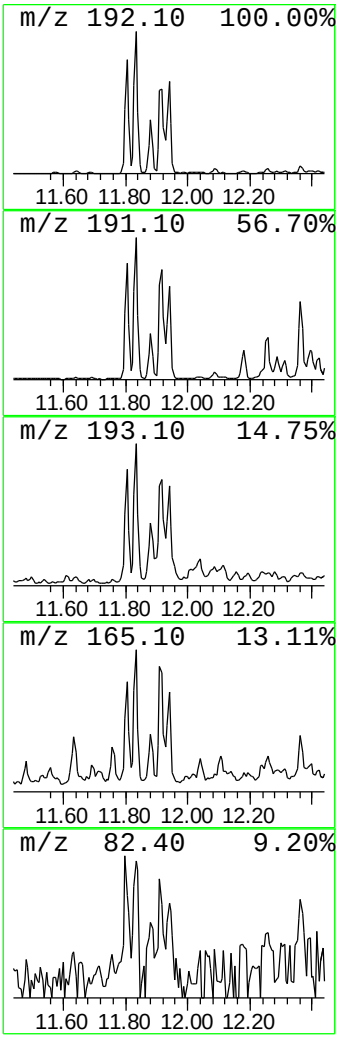
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.57 ng/ul	269127	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
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ClientSampleId : BEPG8

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Quant Title : SVOA CALIBRATION

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

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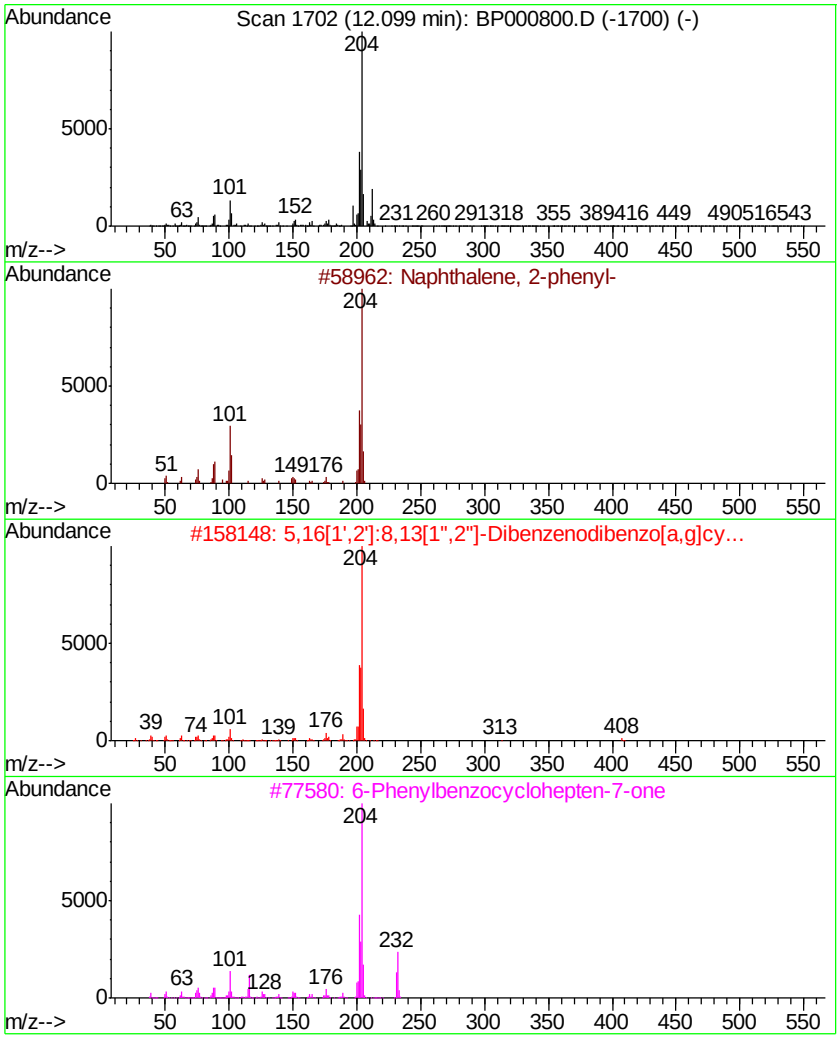
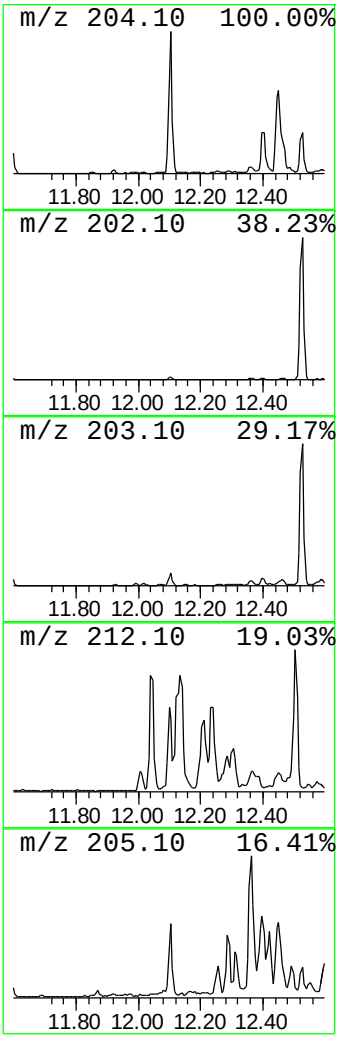
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.60 ng/ul	195921	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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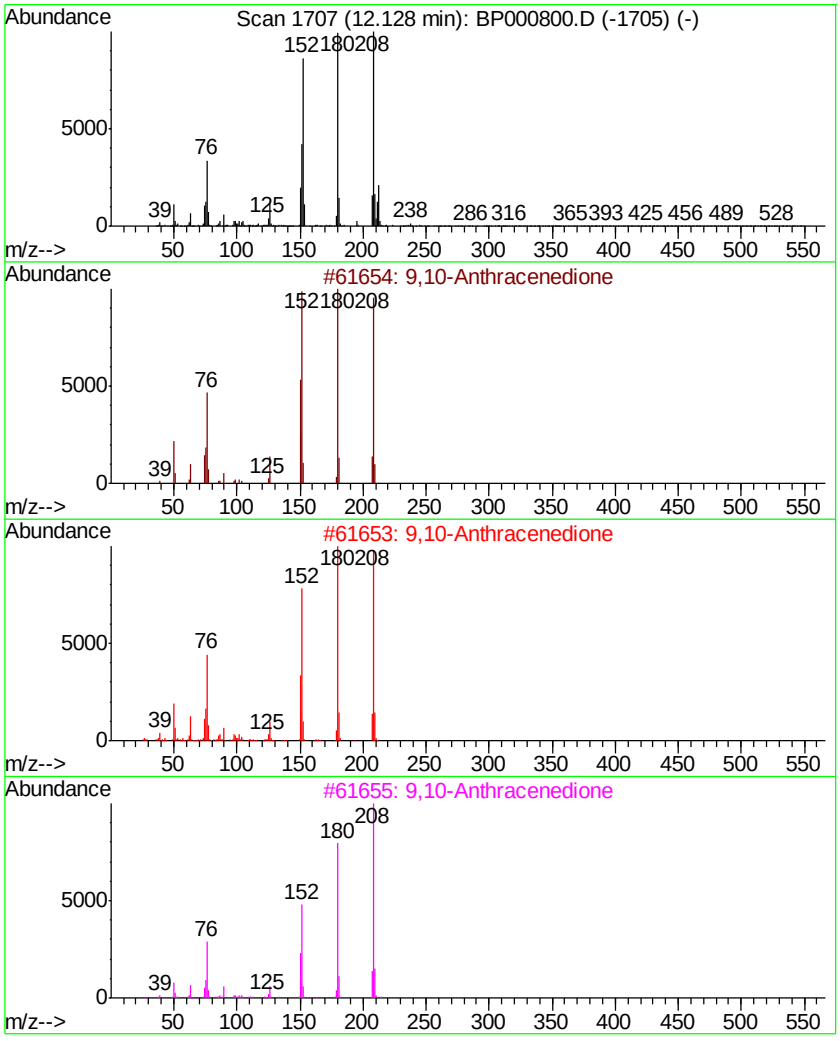
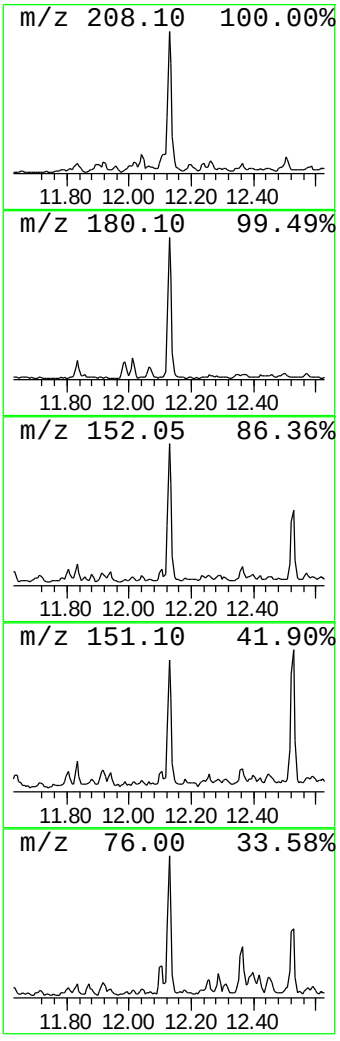
Peak Number 7 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.70 ng/ul	203615	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Quant Title : SVOA CALIBRATION

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

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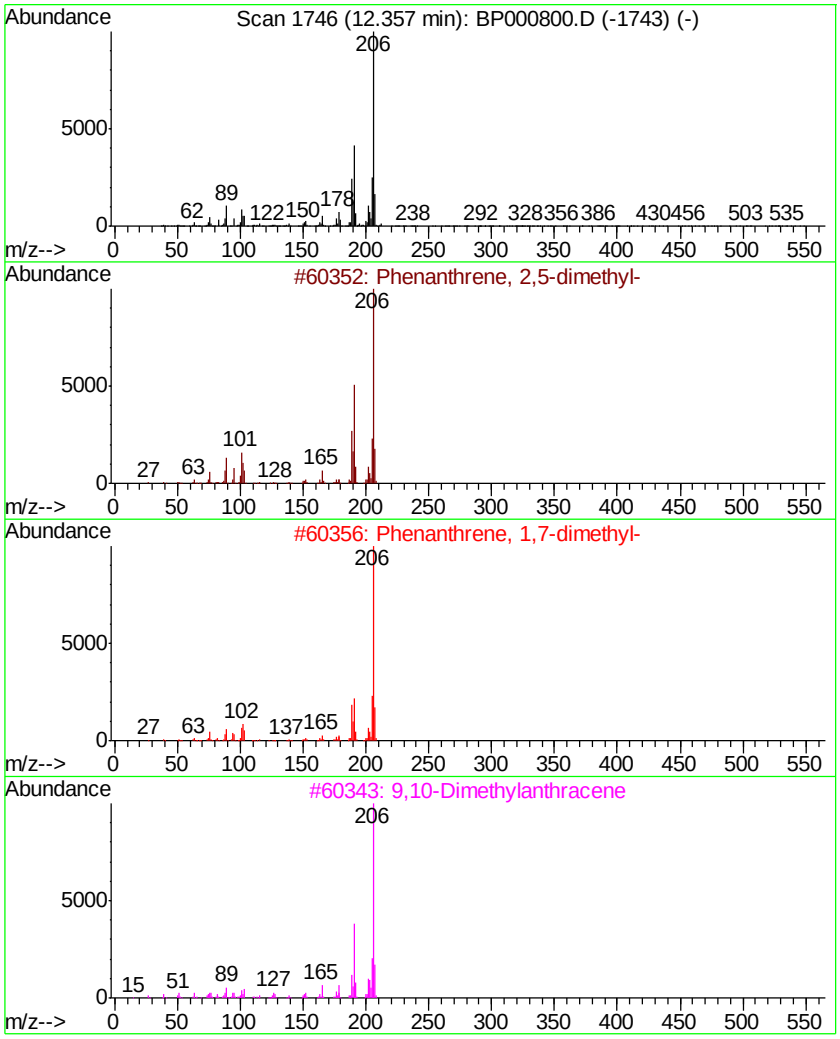
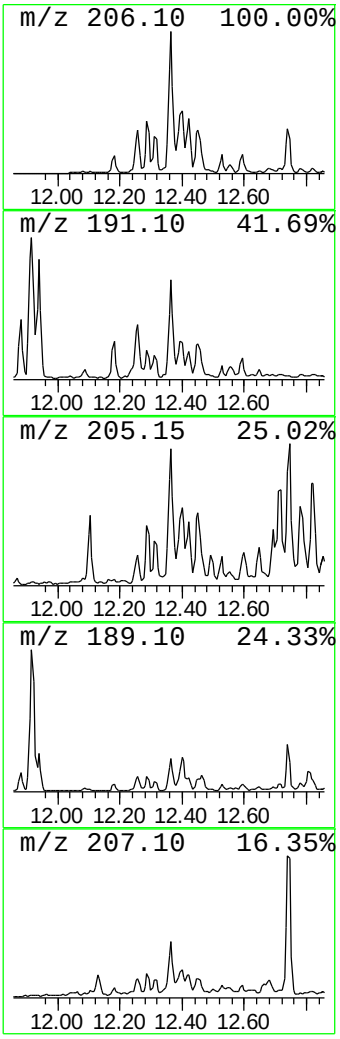
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.85 ng/ul	365111	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Quant Title : SVOA CALIBRATION

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

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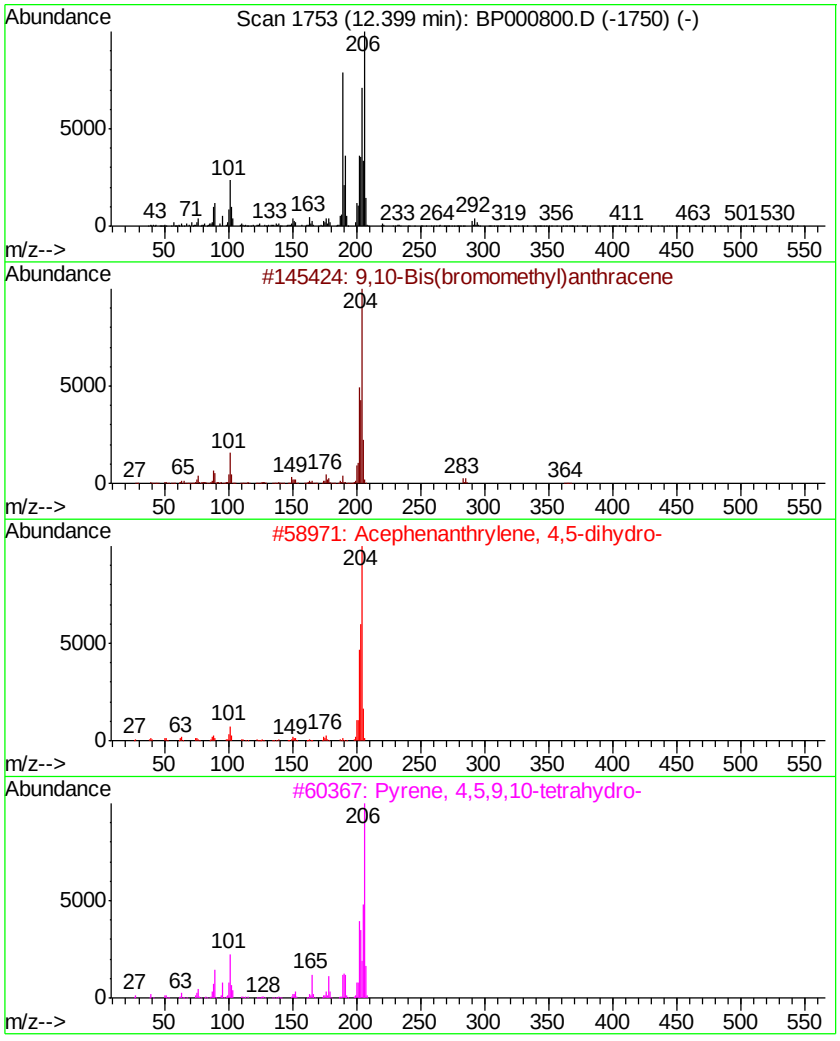
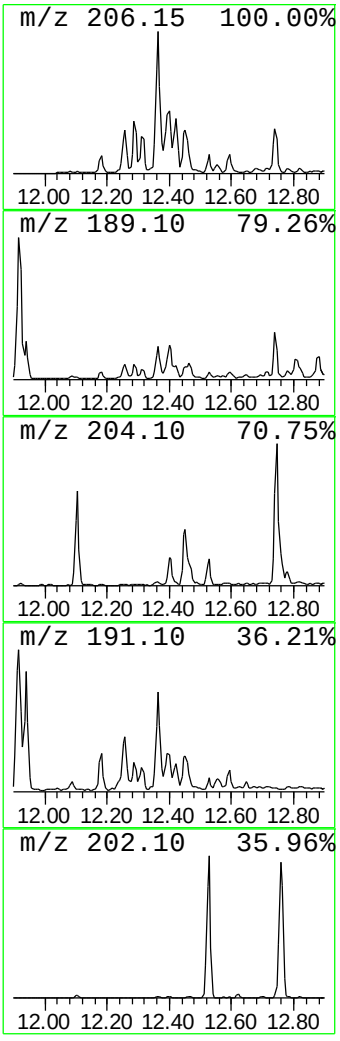
Peak Number 9 9,10-Bis(bromomethyl)anthra... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.17 ng/ul	163811	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38





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Quant Title : SVOA CALIBRATION

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

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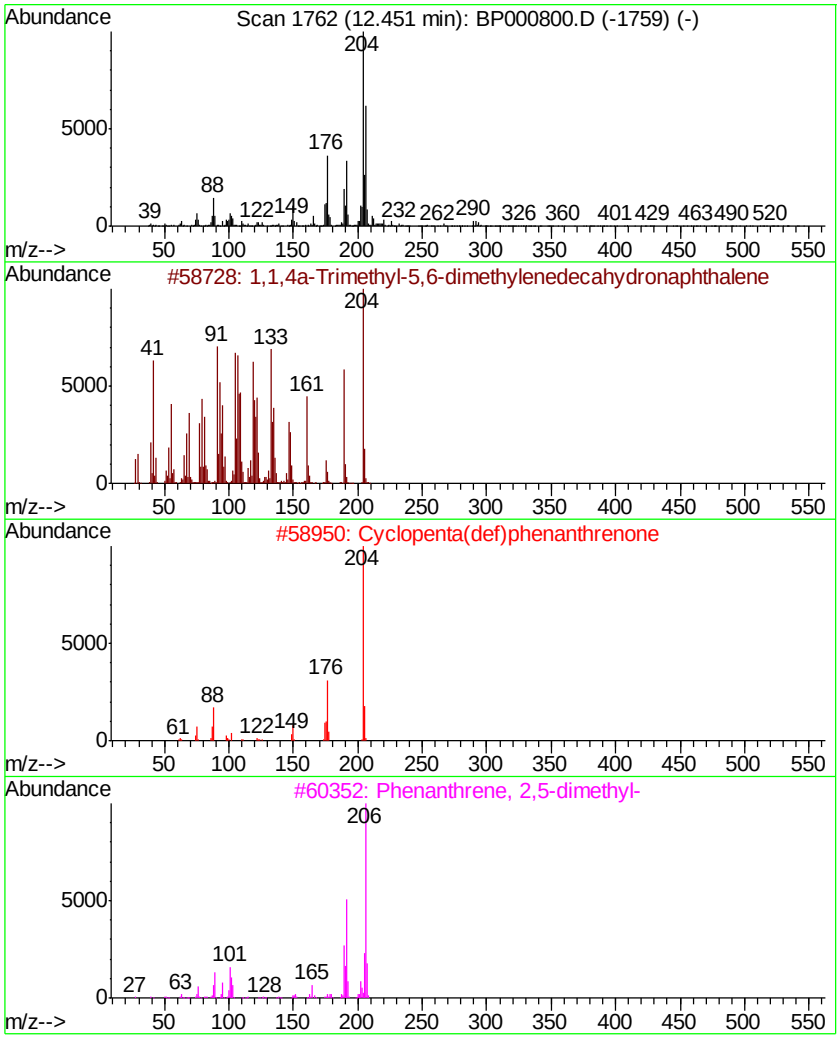
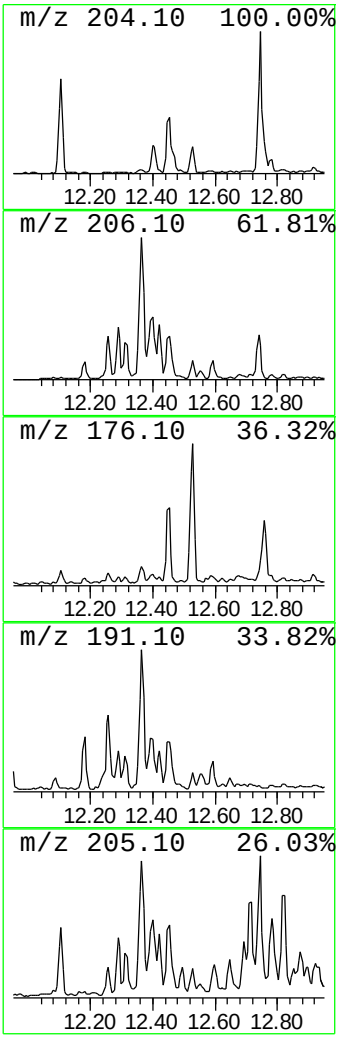
Peak Number 10 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.60 ng/ul	271330	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	92
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	84
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42





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Quant Title : SVOA CALIBRATION

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

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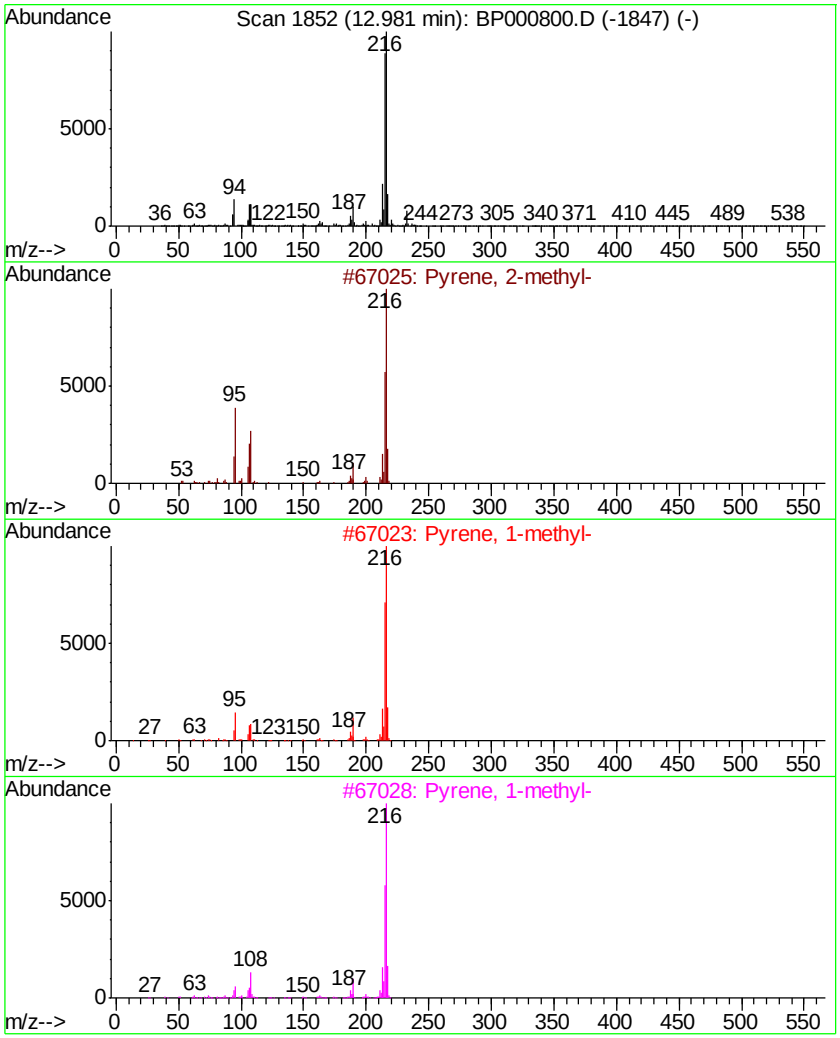
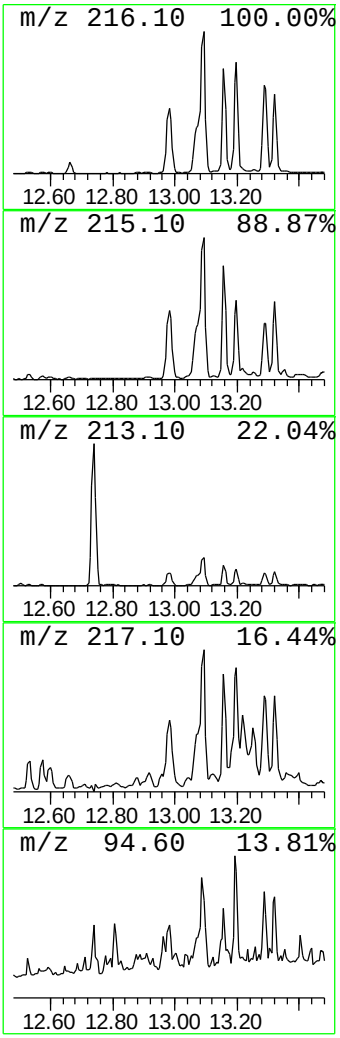
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.33 ng/ul	441932	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Quant Title : SVOA CALIBRATION

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

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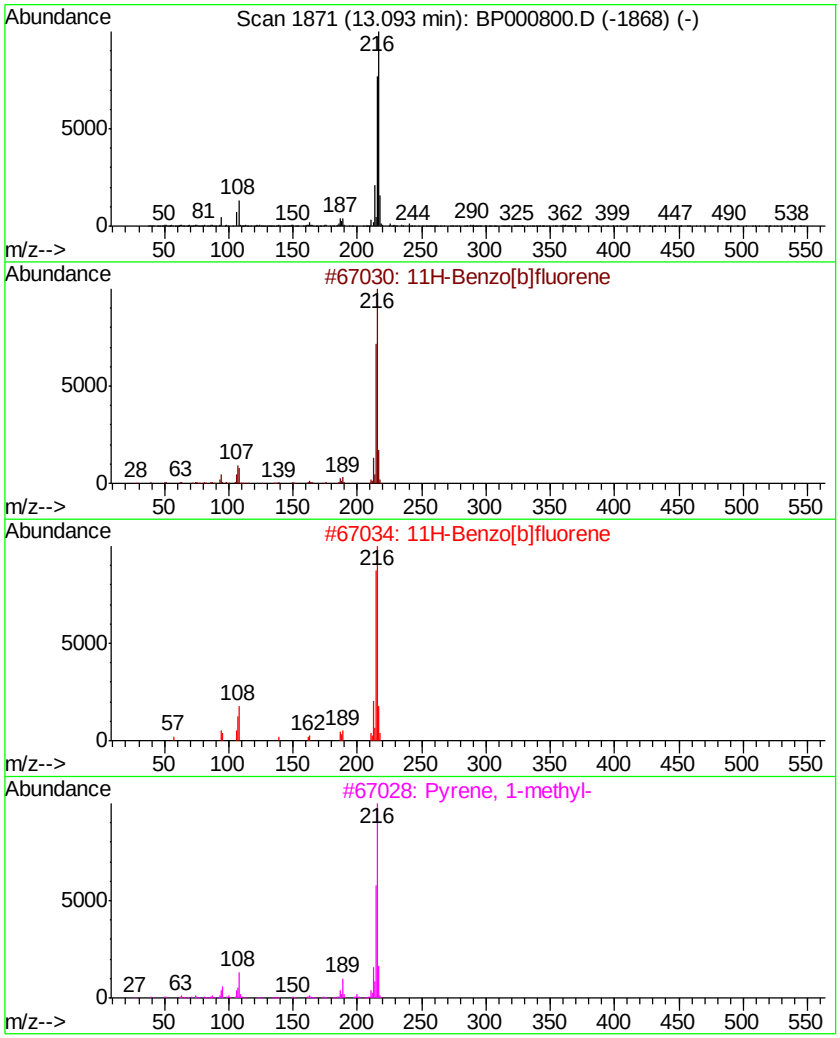
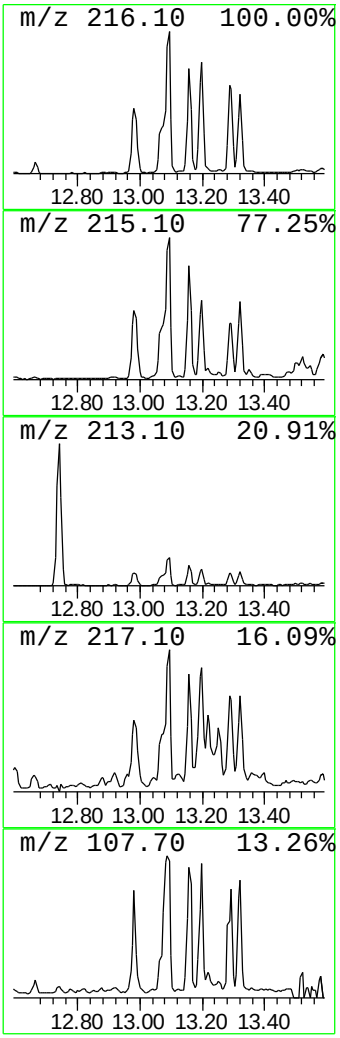
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.98 ng/ul	566588	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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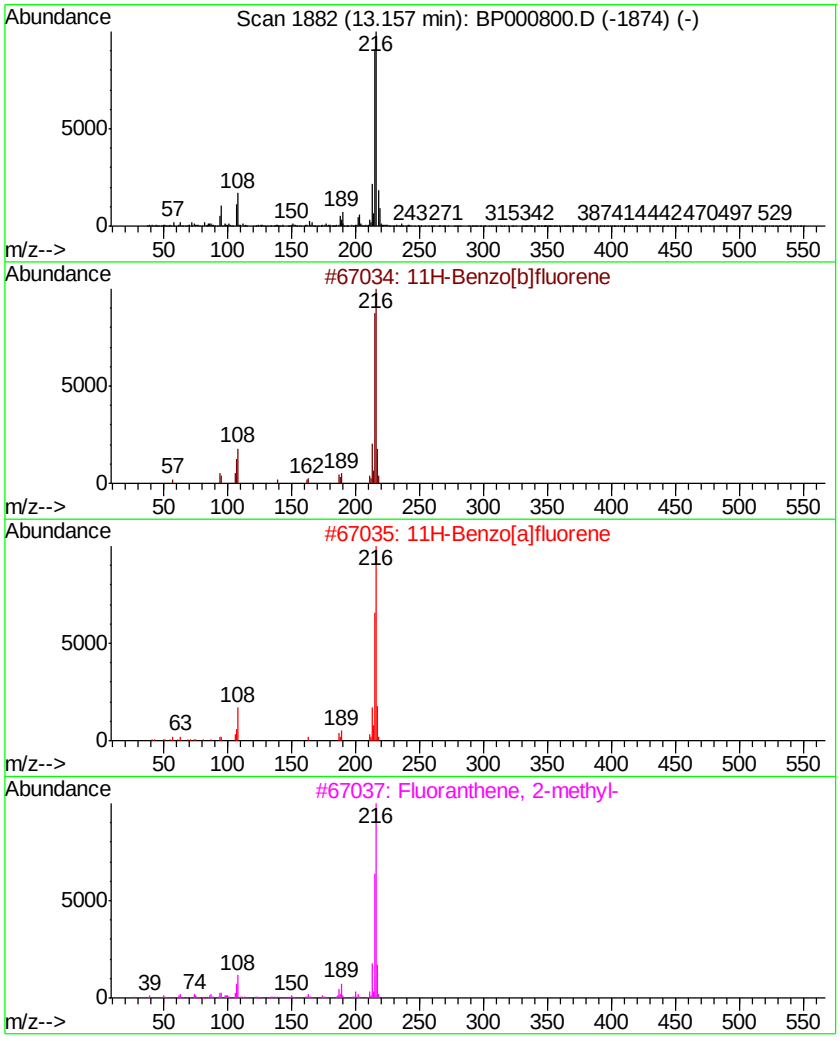
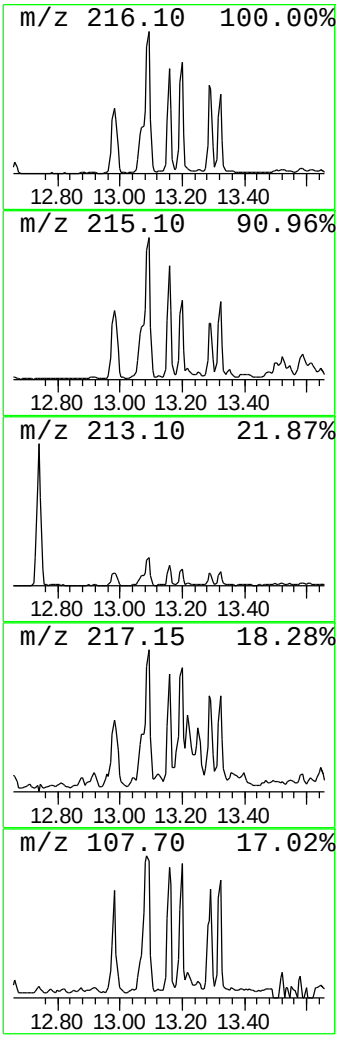
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.15 ng/ul	597876	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : SVOA CALIBRATION

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

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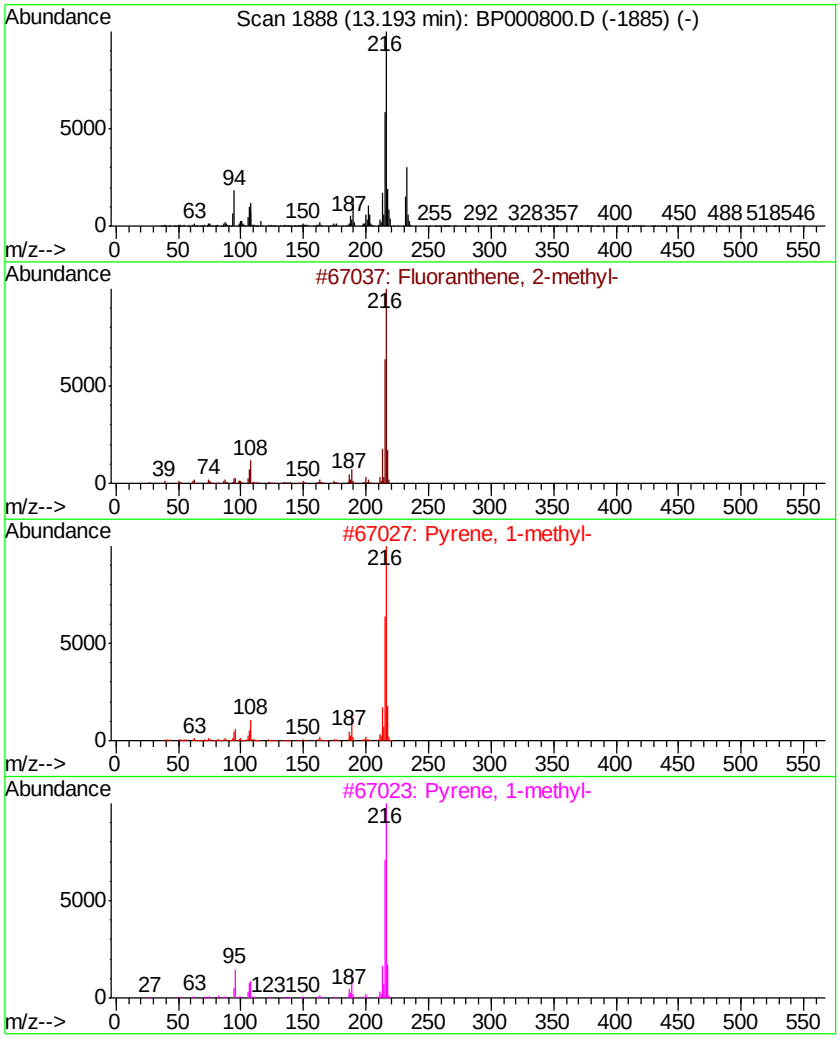
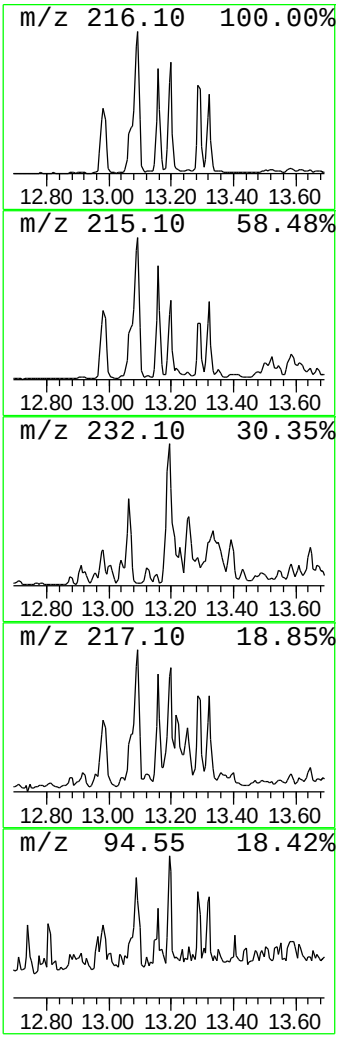
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.55 ng/ul	484022	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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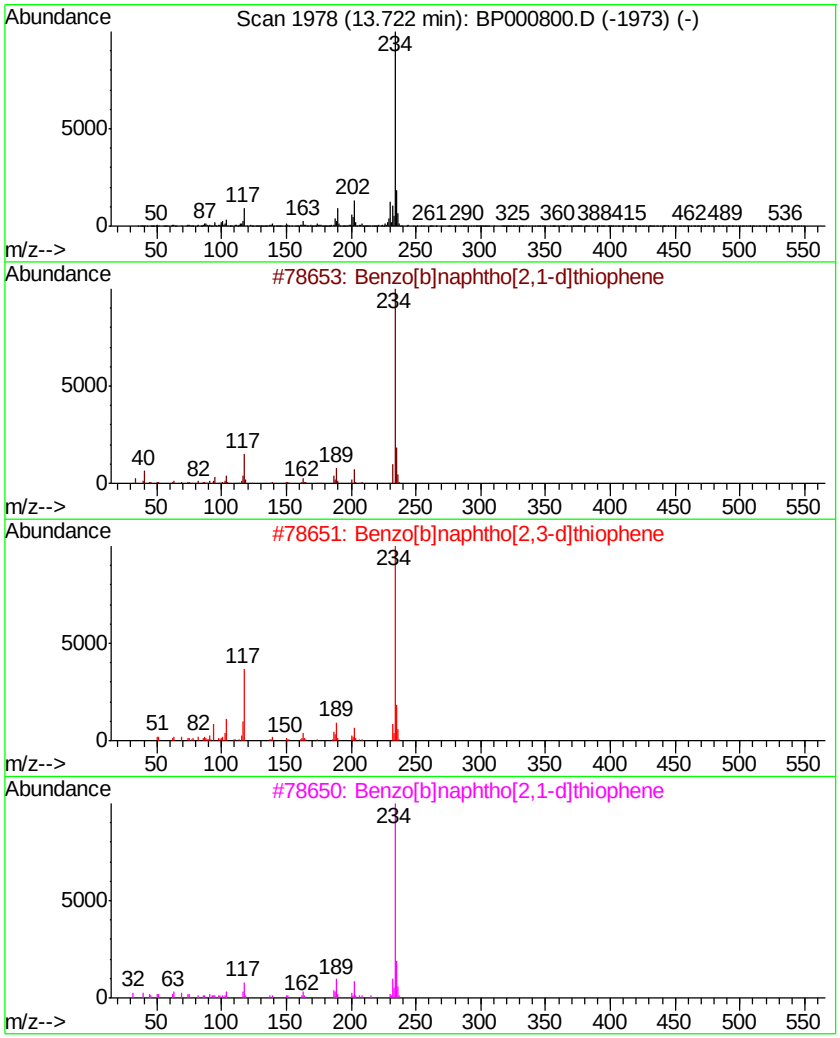
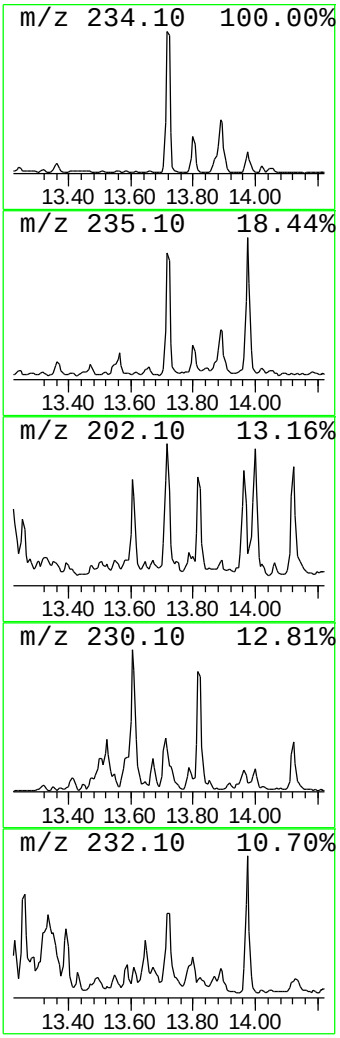
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.42 ng/ul	460505	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62





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Quant Title : SVOA CALIBRATION

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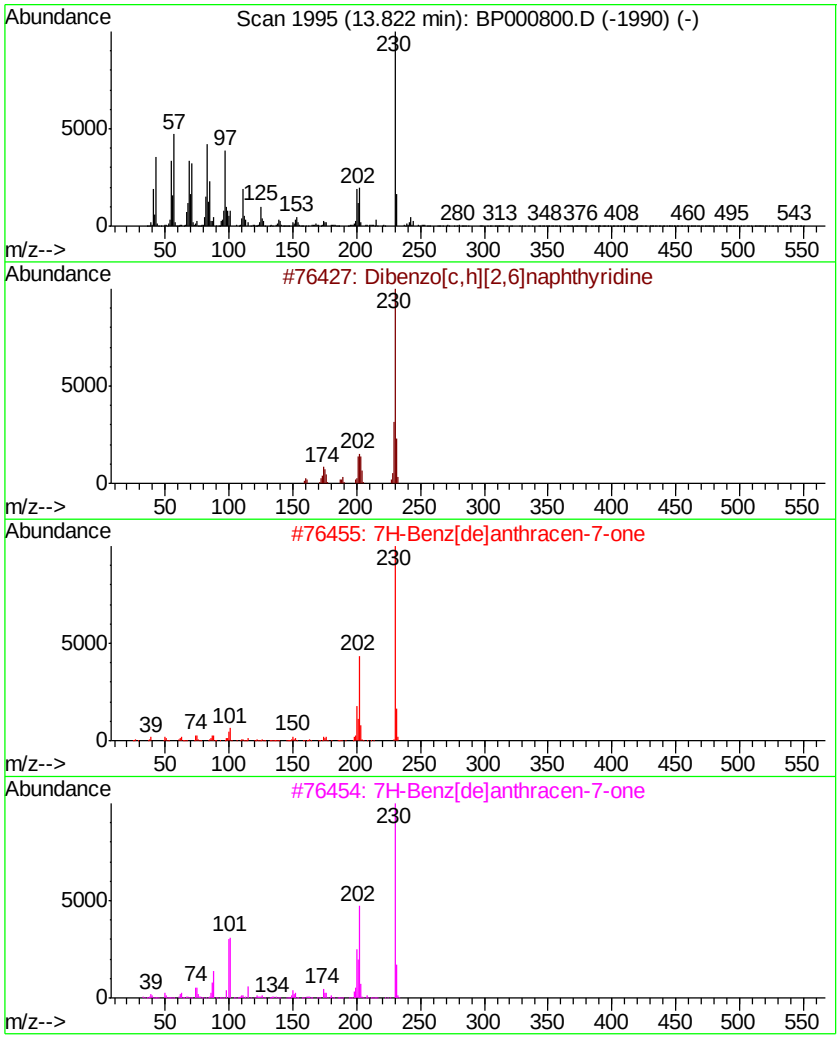
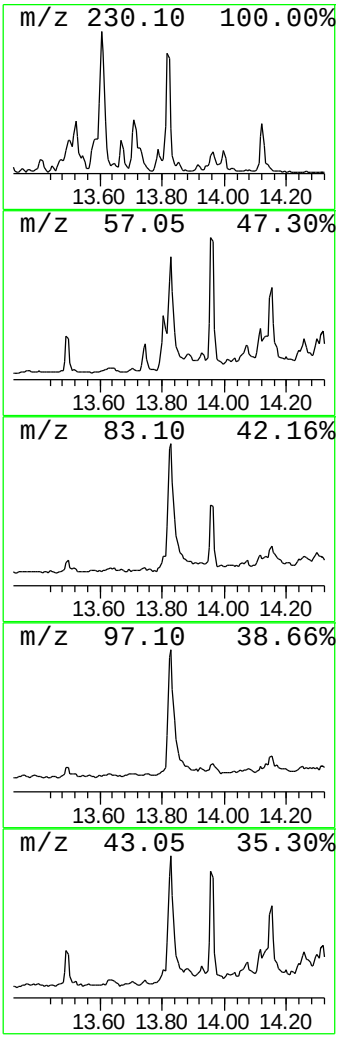
Peak Number 16 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.44 ng/ul	844573	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	50
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	42
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	38
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	30
5	4-Chloro-indeno[1,2-b]pyridin-5-...	230	C12H7ClN2O	1000294-18-6	25





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ClientSampleId : BEPG8

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Quant Title : SVOA CALIBRATION

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

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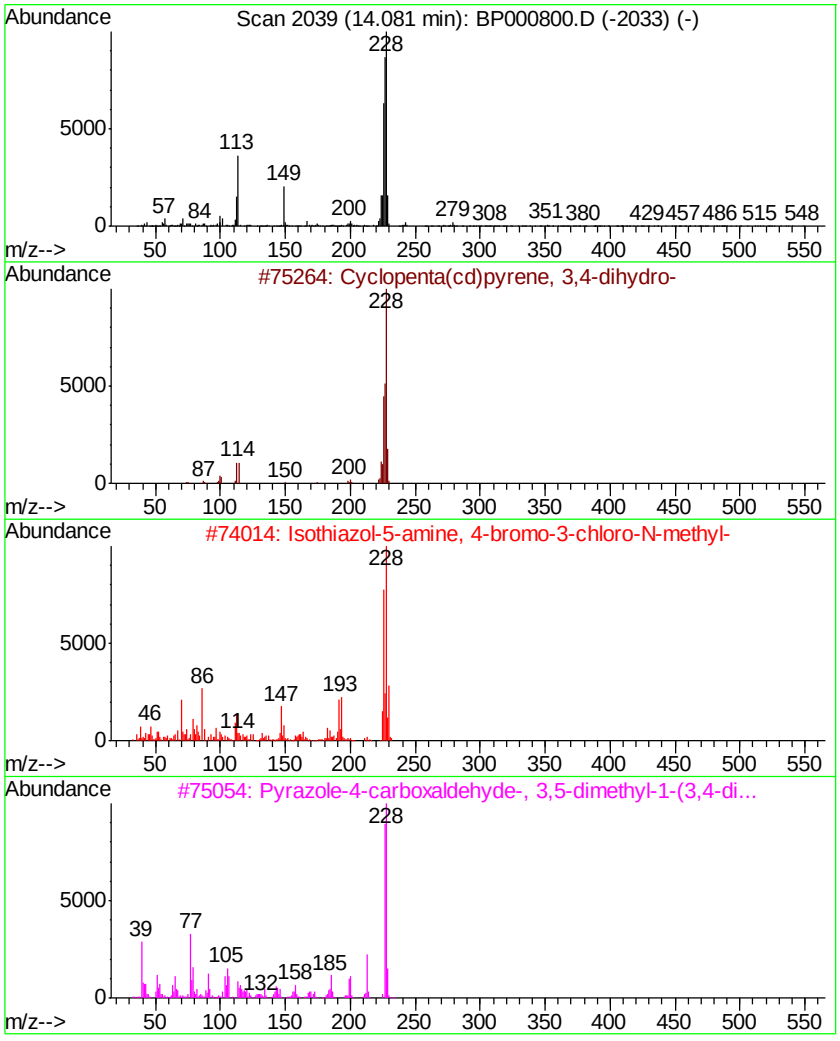
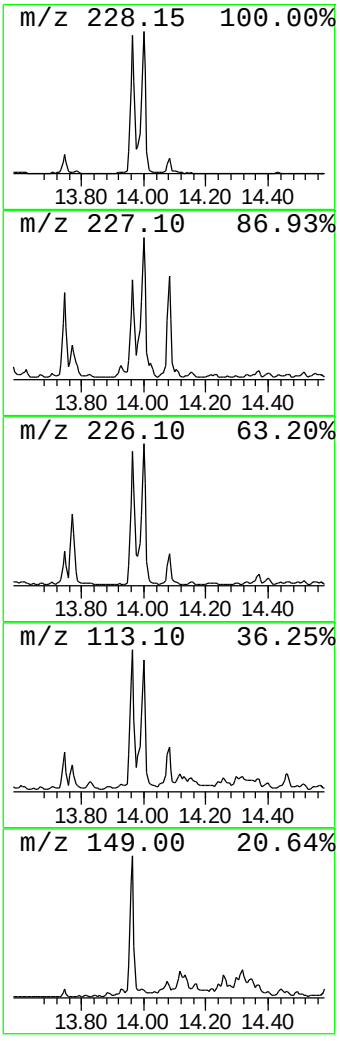
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	2.16 ng/ul	410137	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
4	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47
5	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	46





Library Search Compound Report

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Data File : BP000800.D
Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

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Quant Title : SVOA CALIBRATION

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

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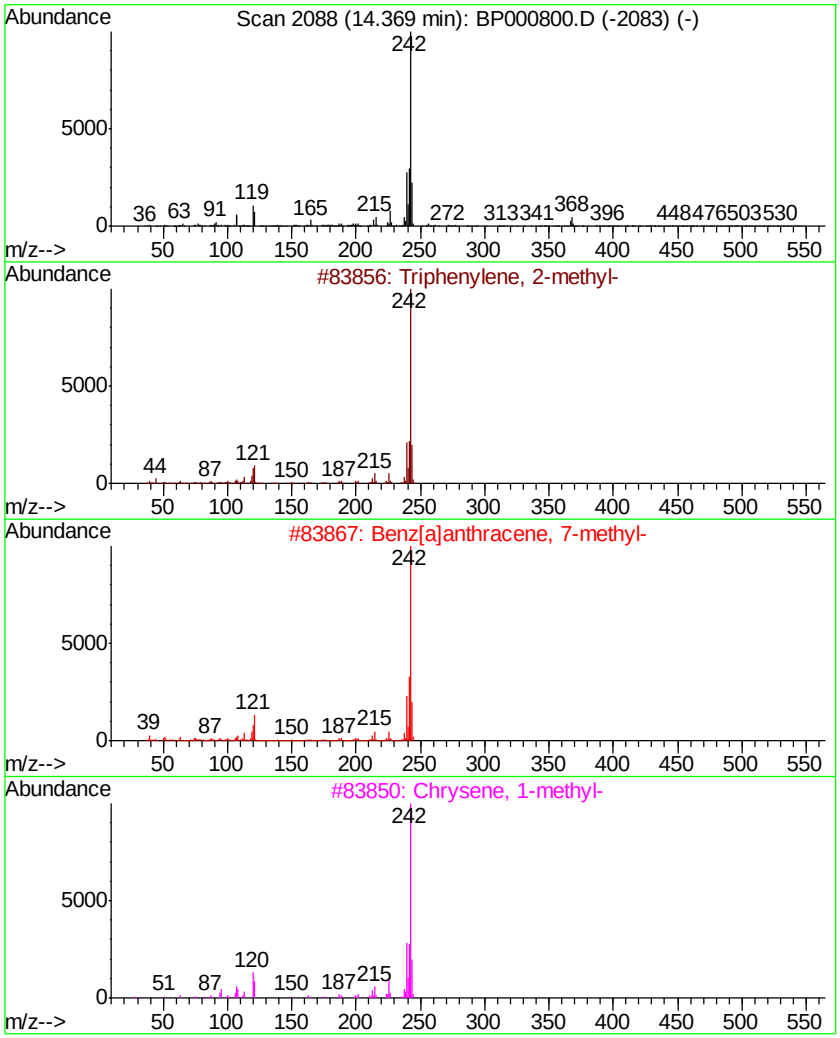
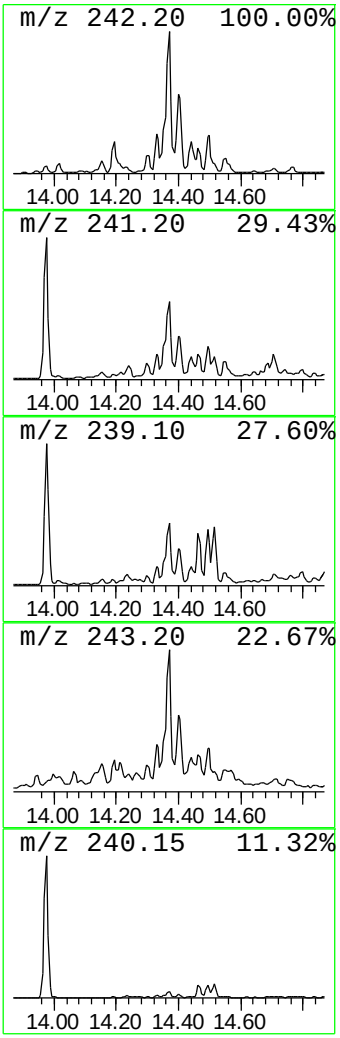
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	3.46 ng/ul	657539	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	86
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86





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Quant Title : SVOA CALIBRATION

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

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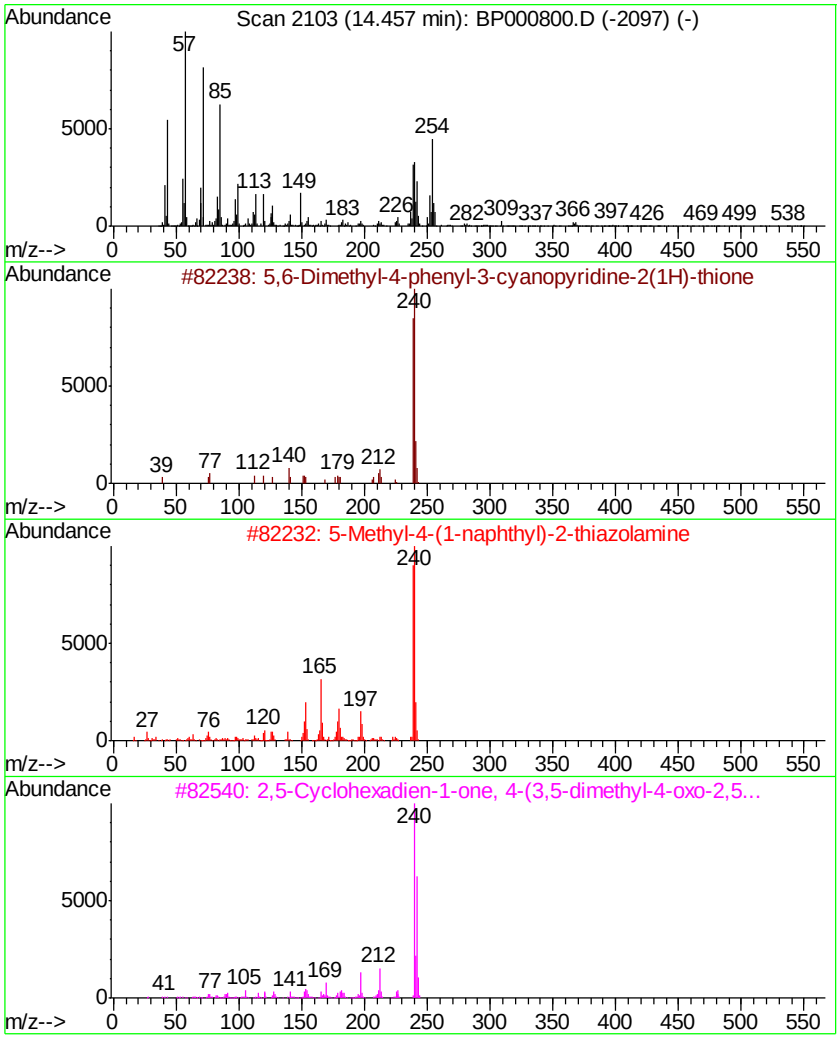
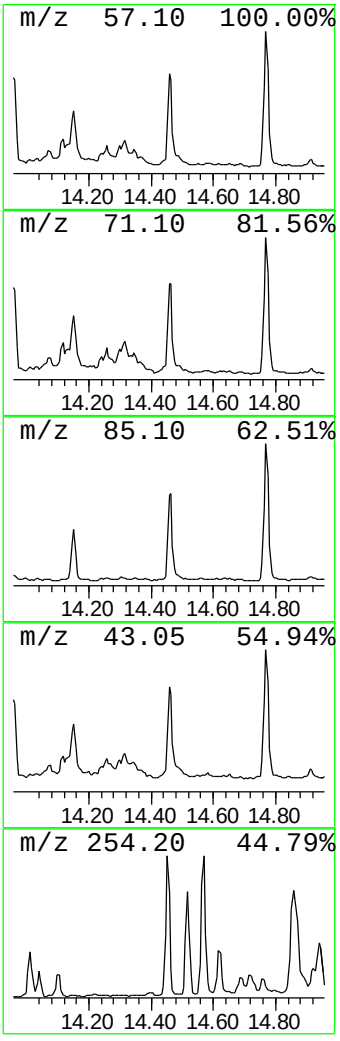
Peak Number 19 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	4.28 ng/ul	814207	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	46
2	5-Methyl-4-(1-naphthyl)-2-thiazo...	240	C14H12N2S	107411-05-2	41
3	2,5-Cyclohexadien-1-one, 4-(3,5-...	240	C16H16O2	004906-22-3	38
4	(4,6-Dichloro[1,3,5]triazin-2-yl...	240	C9H6Cl2N4	002272-40-4	38
5	o-(p-(Dimethylamino)benzylidenea...	240	C15H16N2O	023837-35-6	35





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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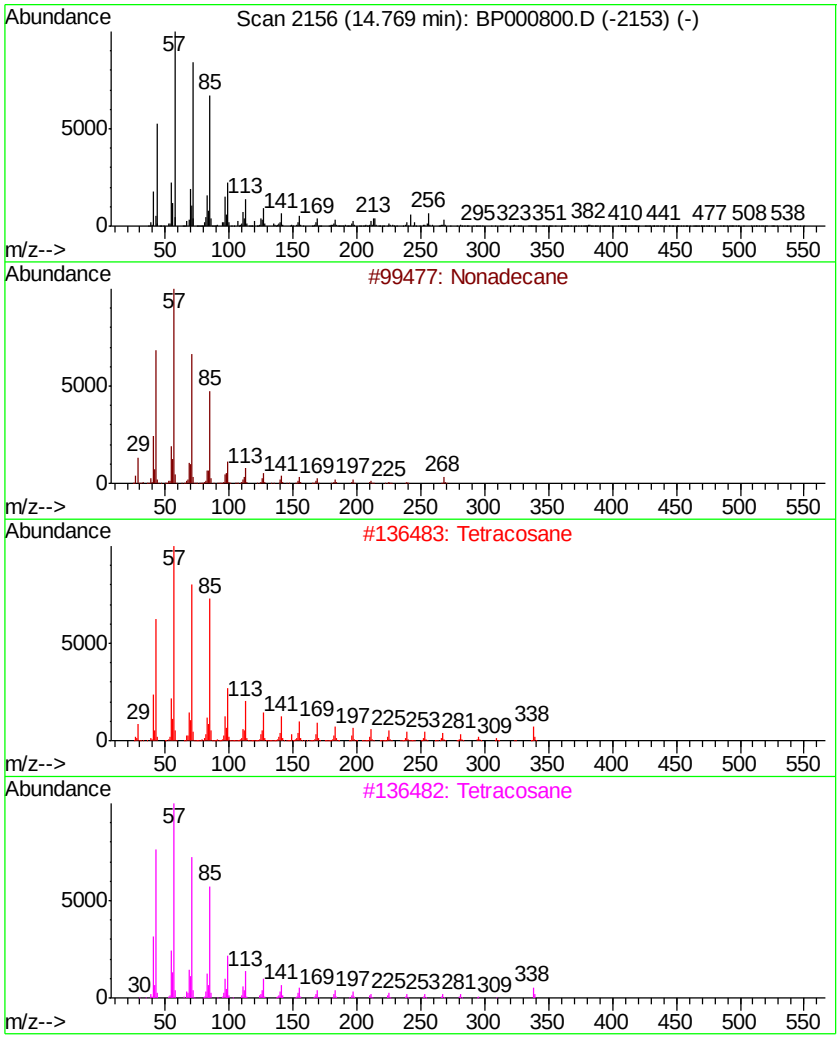
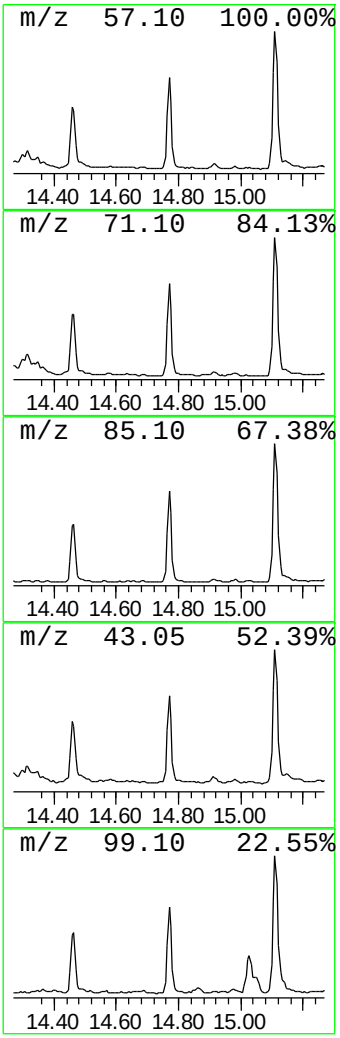
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	7.38 ng/ul	507856	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tetracosane	338	C24H50	000646-31-1	95
3	Tetracosane	338	C24H50	000646-31-1	94
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetratriacontane	479	C34H70	014167-59-0	87





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Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

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Quant Title : SVOA CALIBRATION

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

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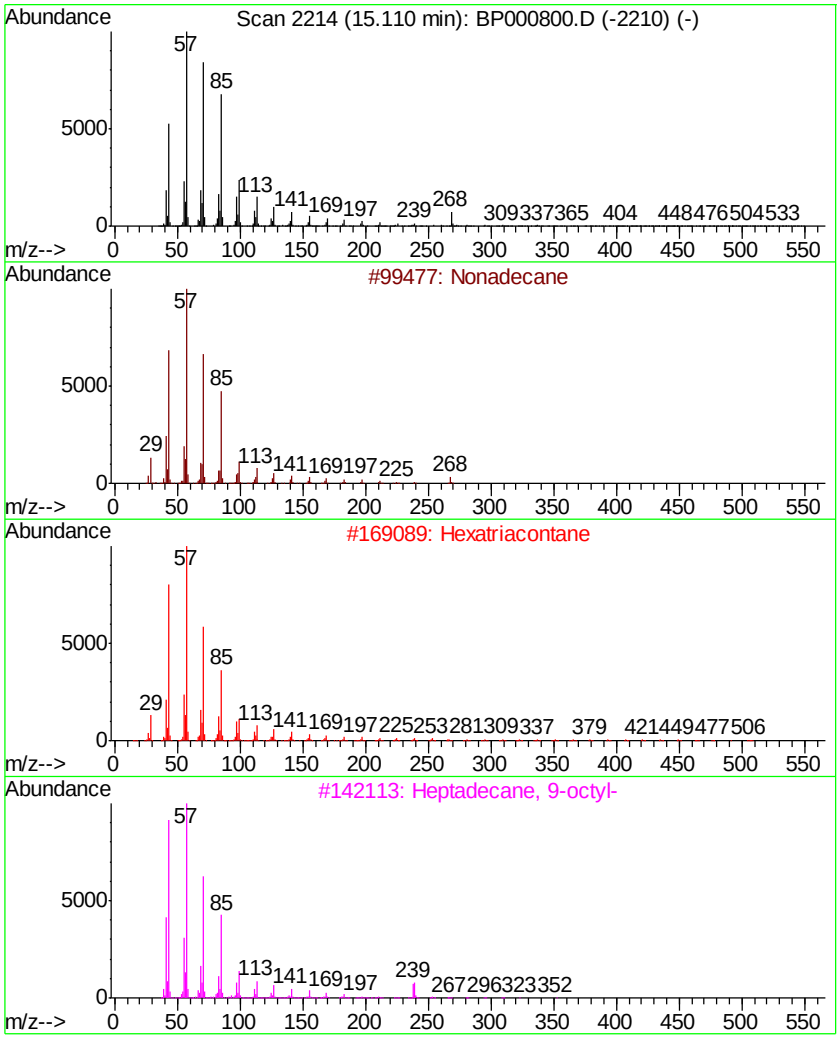
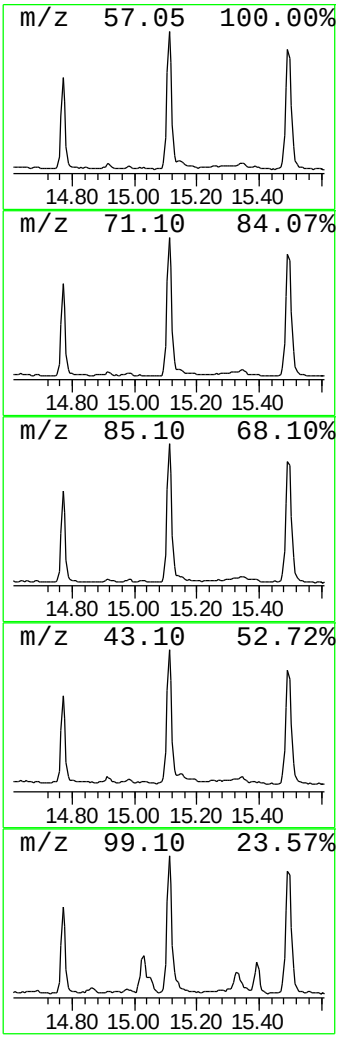
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	12.91 ng/ul	888796	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Hexatriacontane	507	C36H74	000630-06-8	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
5	Pentacosane	352	C25H52	000629-99-2	91





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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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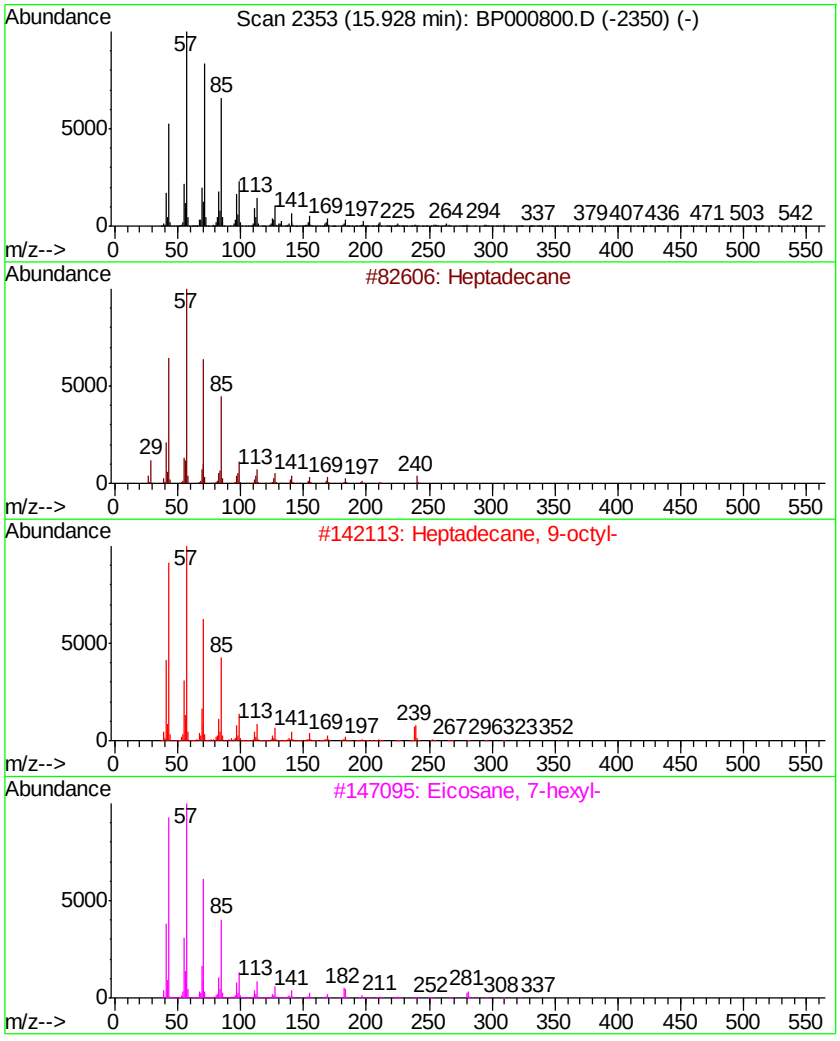
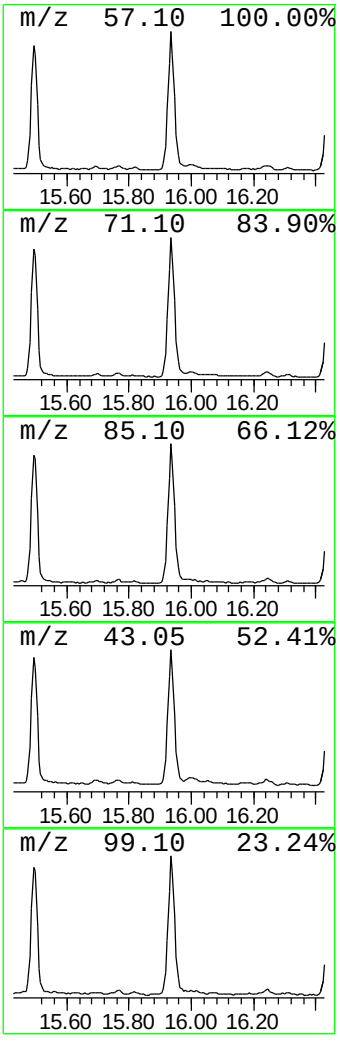
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	14.49 ng/ul	997304	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Nonacosane	408	C29H60	000630-03-5	90





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Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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

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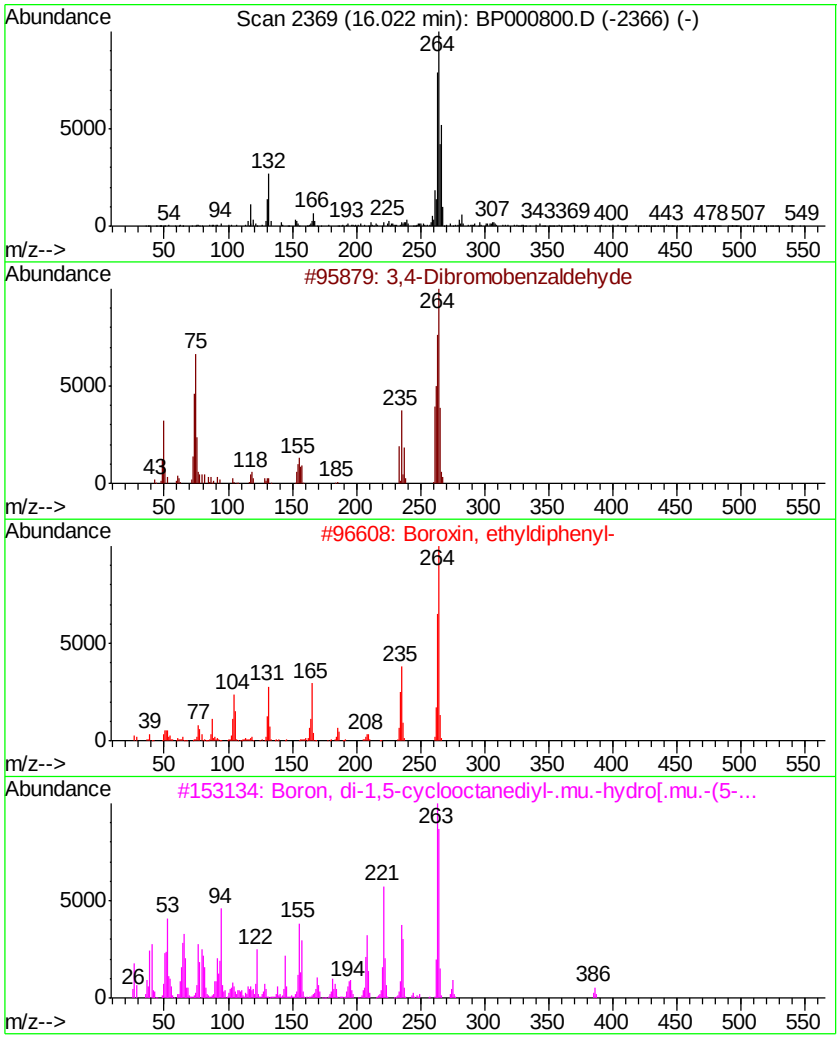
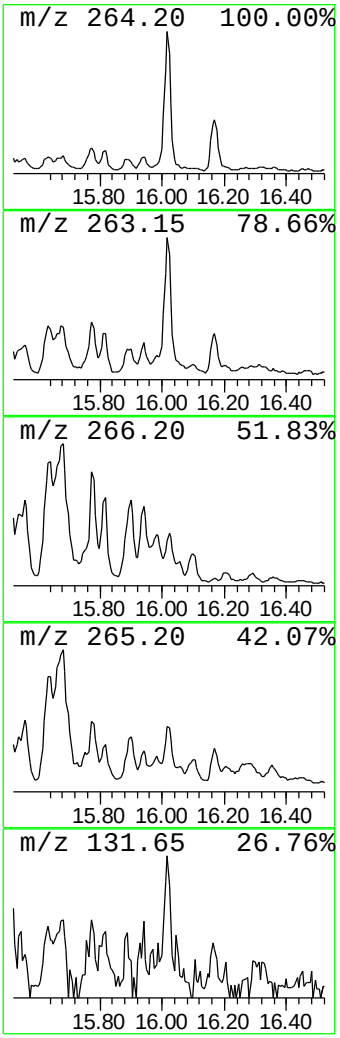
Peak Number 23 3,4-Dibromobenzaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.32 ng/ul	159971	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	40
3	Boron, di-1,5-cyclooctanediyl-.m...	386	C25H36B2N2	125878-54-8	38
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
5	Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	27





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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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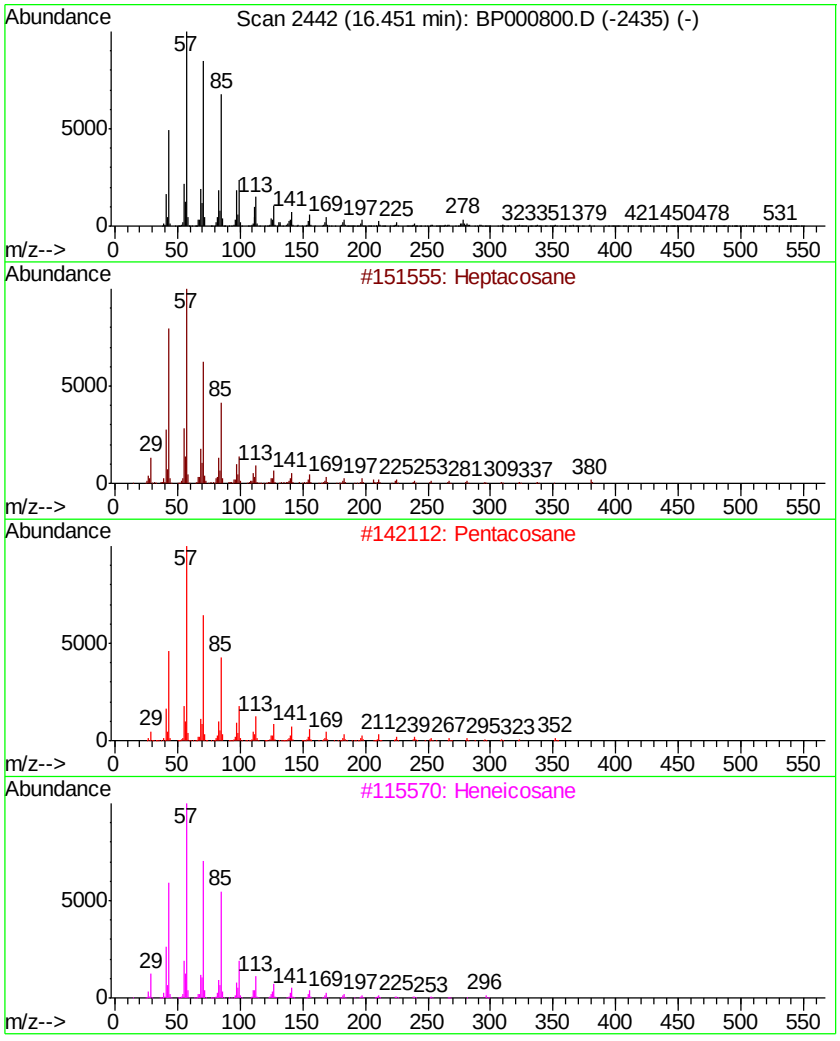
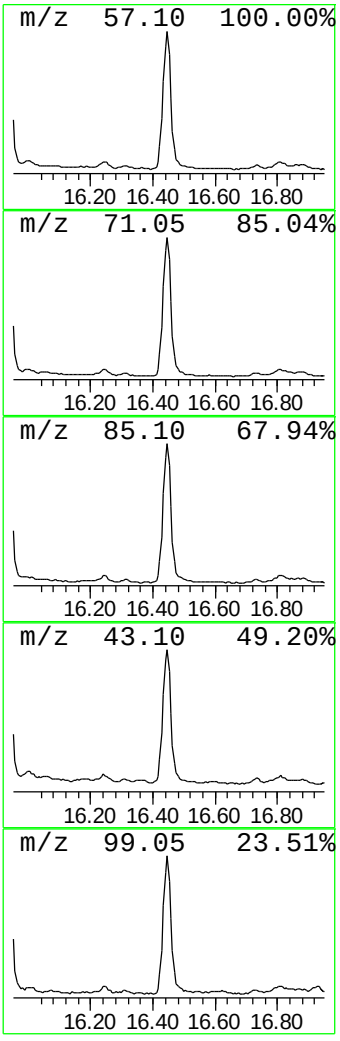
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	14.35 ng/ul	987669	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	93
2	Pentacosane	352	C25H52	000629-99-2	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Hentriacontane	437	C31H64	000630-04-6	90





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Sample : K5199-16
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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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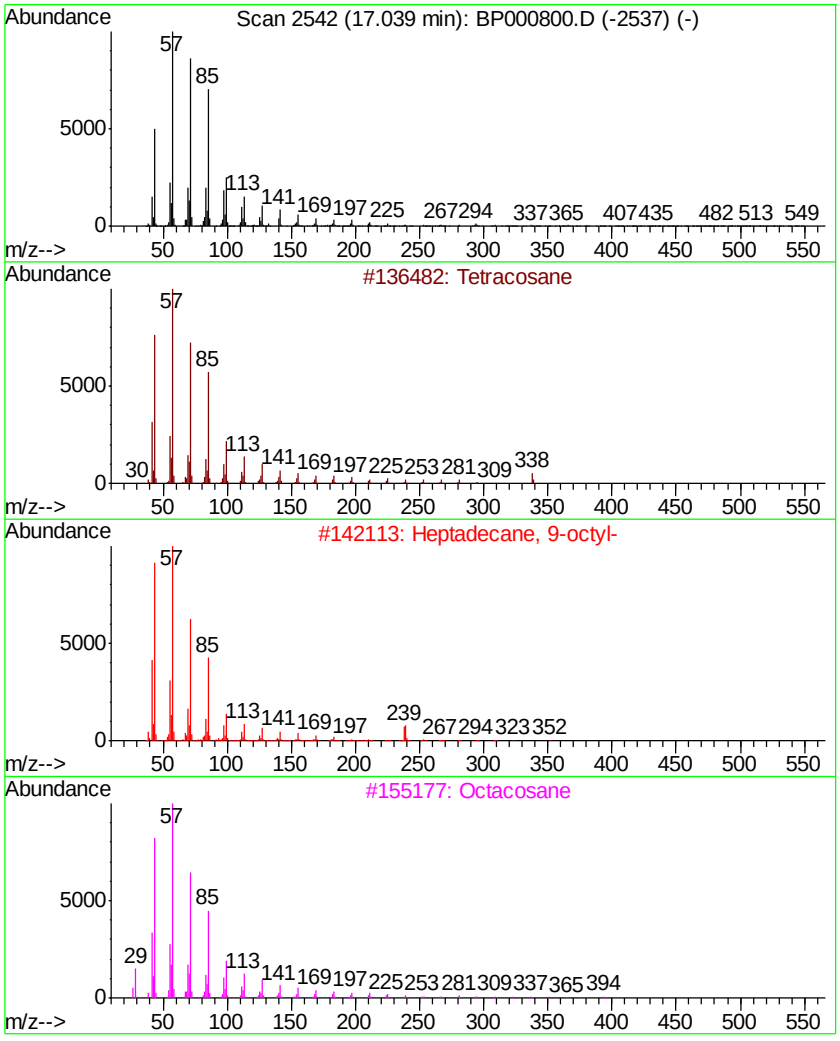
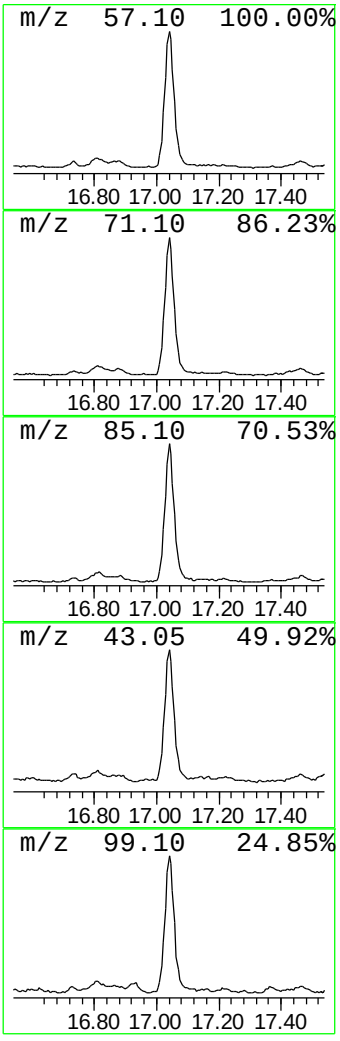
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	9.79 ng/ul	673472	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Tetracosane	338	C24H50	000646-31-1	91





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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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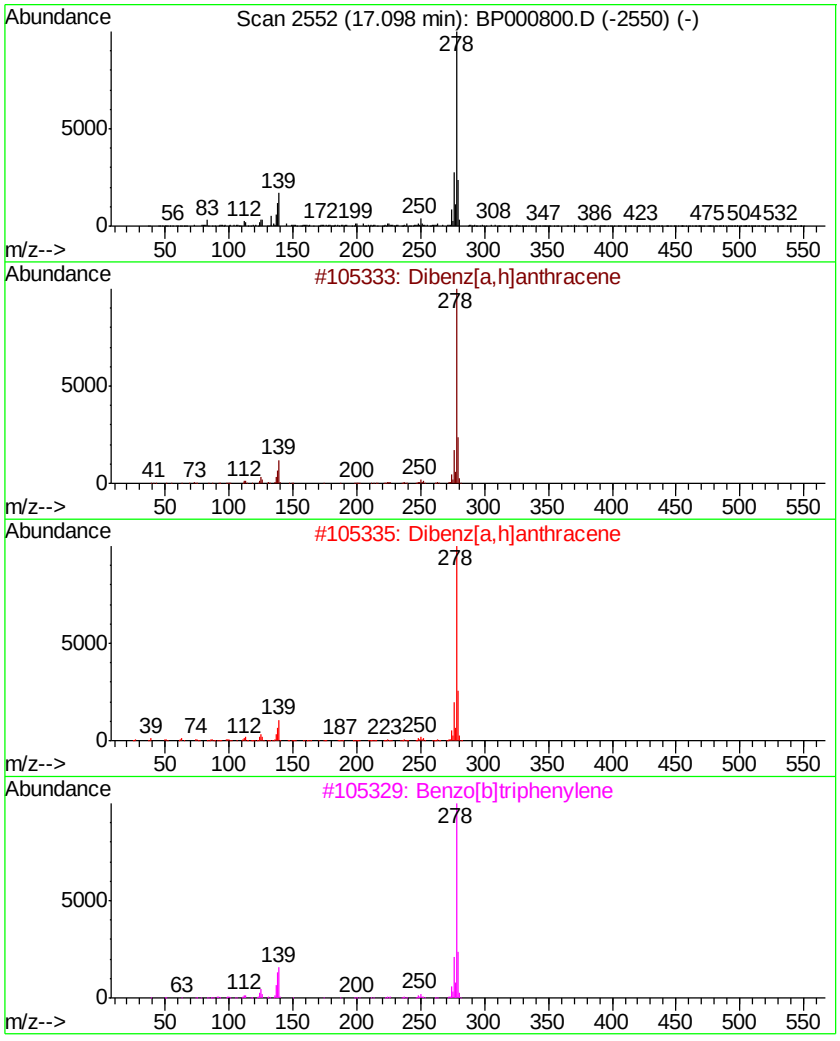
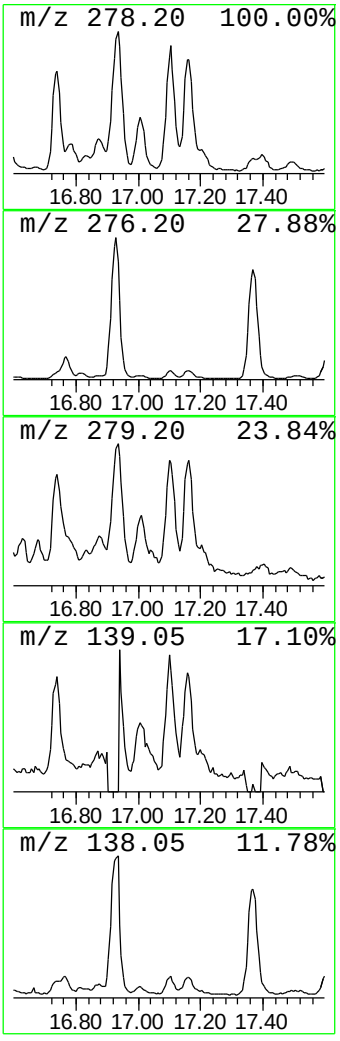
Peak Number 26 Benzo[b]triphenylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	2.11 ng/ul	145011	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
4	Pentaphene	278	C22H14	000222-93-5	96
5	Benzo[b]chrysene	278	C22H14	000214-17-5	94





Library Search Compound Report

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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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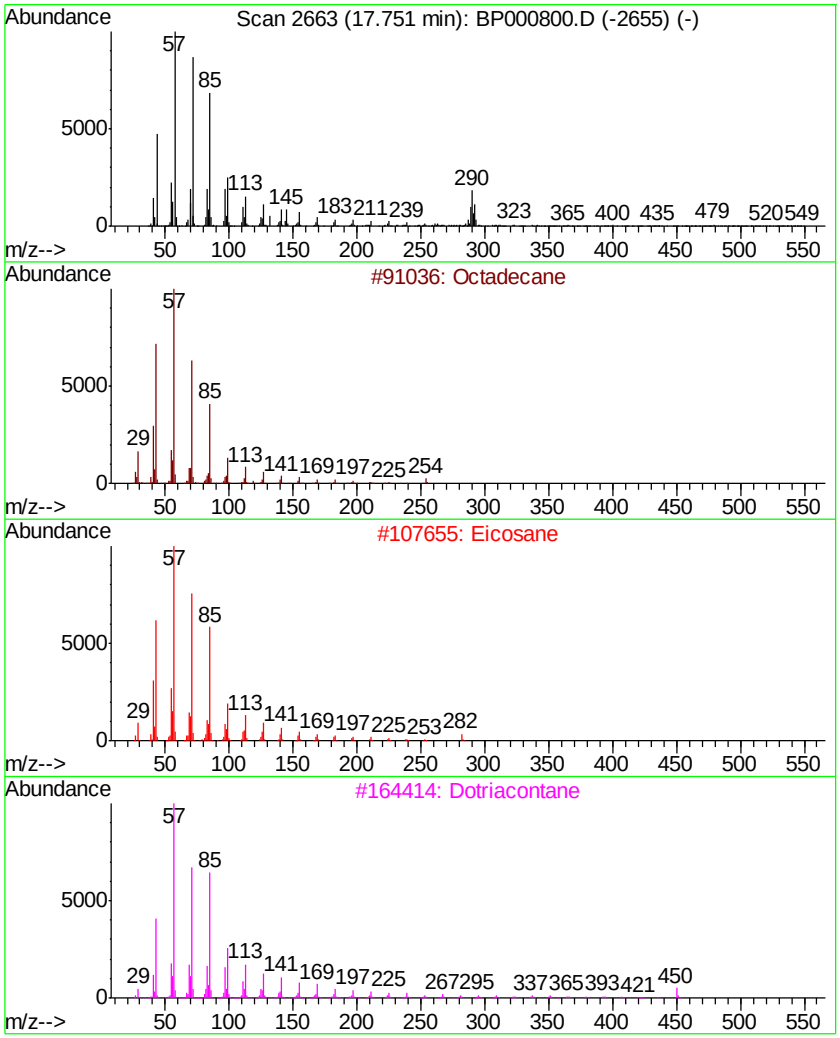
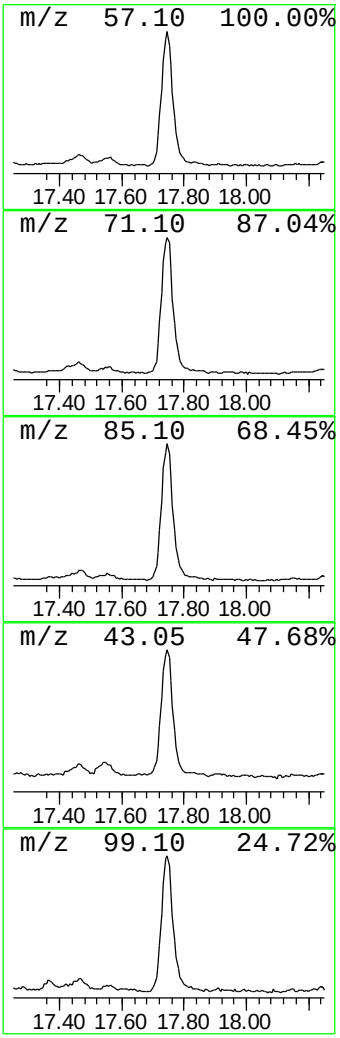
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	9.92 ng/ul	682529	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	97
2	Eicosane	282	C20H42	000112-95-8	90
3	Dotriacontane	451	C32H66	000544-85-4	89
4	Octacosane	394	C28H58	000630-02-4	81
5	Pentacosane	352	C25H52	000629-99-2	81





Tentatively Identified Compound (LSC) summary

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Acq On : 16 Oct 2019 10:05
Operator : JU
Sample : K5199-16
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPG8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	10.00	2.2	ng/ul	140901	3	9.80	1281290	20.0
Phenanthrene, 2-m...	11.80	4.1	ng/ul	309751	4	11.29	1506680	20.0
Phenanthrene, 1-m...	11.83	5.6	ng/ul	419031	4	11.29	1506680	20.0
4H-Cyclopenta[def...	11.92	7.9	ng/ul	596873	4	11.29	1506680	20.0
Anthracene, 2-met...	11.94	3.6	ng/ul	269127	4	11.29	1506680	20.0
Naphthalene, 2-ph...	12.10	2.6	ng/ul	195921	4	11.29	1506680	20.0
9,10-Anthracenedione	12.13	2.7	ng/ul	203615	4	11.29	1506680	20.0
Phenanthrene, 2,5...	12.36	4.8	ng/ul	365111	4	11.29	1506680	20.0
9,10-Bis(bromomet...	12.40	2.2	ng/ul	163811	4	11.29	1506680	20.0
1,1,4a-Trimethyl-...	12.45	3.6	ng/ul	271330	4	11.29	1506680	20.0
Pyrene, 2-methyl-	12.98	2.3	ng/ul	441932	5	13.97	3801090	20.0
11H-Benzo[b]fluorene	13.09	3.0	ng/ul	566588	5	13.97	3801090	20.0
Fluoranthene, 2-m...	13.16	3.1	ng/ul	597876	5	13.97	3801090	20.0
Pyrene, 1-methyl-	13.19	2.5	ng/ul	484022	5	13.97	3801090	20.0
Benzo[b]naphtho[2...	13.72	2.4	ng/ul	460505	5	13.97	3801090	20.0
Dibenzo[c,h][2,6]...	13.82	4.4	ng/ul	844573	5	13.97	3801090	20.0
Cyclopenta(cd)pyr...	14.08	2.2	ng/ul	410137	5	13.97	3801090	20.0
Triphenylene, 2-m...	14.37	3.5	ng/ul	657539	5	13.97	3801090	20.0
unknown-02	14.46	4.3	ng/ul	814207	5	13.97	3801090	20.0
(DEL) Alkane: Str...	14.77	7.4	ng/ul	507856	6	15.46	1376530	20.0
(DEL) Alkane: Str...	15.11	12.9	ng/ul	888796	6	15.46	1376530	20.0
(DEL) Alkane: Str...	15.93	14.5	ng/ul	997304	6	15.46	1376530	20.0
3,4-Dibromobenzal...	16.02	2.3	ng/ul	159971	6	15.46	1376530	20.0
(DEL) Alkane: Str...	16.45	14.4	ng/ul	987669	6	15.46	1376530	20.0
(DEL) Alkane: Str...	17.04	9.8	ng/ul	673472	6	15.46	1376530	20.0
Benzo[b]triphenylene	17.10	2.1	ng/ul	145011	6	15.46	1376530	20.0
(DEL) Alkane: Str...	17.75	9.9	ng/ul	682529	6	15.46	1376530	20.0