LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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	728	731	736	rBV	588460	692102	11.67%	0.818%
2	6.428	736	738	750	rVB	618815	573448	9.67%	0.678%
3	6.522	750	754	758	rBV	800104	705947	11.90%	0.834%
4	6.752	789	793	796	rBV	1105543	989180	16.68%	1.169%
5	7.134	855	858	871	rBV	880234	870621	14.68%	1.029%
6	7.305	884	887	893	rVB	739287	617069	10.40%	0.729%
7	7.634	940	943	962	rVB	668534	536470	9.05%	0.634%
8	7.887	982	986	994	rBV	879010	882431	14.88%	1.043%
9	8.034	1007	1011	1013	rBV	1647417	1325887	22.36%	1.567%
10	8.093	1018	1021	1031	rVV	524433	491830	8.29%	0.581%
11	9.487	1255	1258	1260	rVV	1653388	1317302	22.21%	1.557%
12	9.510	1260	1262	1267	rVV	942244	716083	12.07%	0.846%
13	9.640	1281	1284	1292	rVB	2007962	1784587	30.09%	2.109%
14	9.799	1305	1311	1314	rBV	1842426	1654745	27.90%	1.956%
15	9.828	1314	1316	1320	rVV	270942	211108	3.56%	0.250%
16	9.916	1325	1331	1335	rBV2	296152	404474	6.82%	0.478%
17	10.004	1343	1346	1349	rVV	194038	183154	3.09%	0.216%
18	10.316	1396	1399	1402	rBV	2313164	1901159	32.05%	2.247%
19	10.346	1402	1404	1409	rVB	238382	197170	3.32%	0.233%
20	10.393	1409	1412	1414	rBV2	350336	298328	5.03%	0.353%
21	10.716	1464	1467	1474	rVB2	164654	196193	3.31%	0.232%
22	10.904	1492	1499	1501	rBV3	109350	174995	2.95%	0.207%
23	11.099	1529	1532	1536	rVB2	166468	151510	2.55%	0.179%
24	11.187	1545	1547	1555	rVB	192838	203310	3.43%	0.240%
25	11.293	1562	1565	1567	rBV	1831635	1669472	28.15%	1.973%
26	11.322	1567	1570	1572	rVV	2874188	2537721	42.79%	2.999%
27	11.351	1572	1575	1577	rVV	2511759	2077434	35.03%	2.455%
28	11.369	1577	1578	1581	rVB	717632	431948	7.28%	0.511%
29	11.404	1581	1584	1588	rBV2	122434	142298	2.40%	0.168%
30	11.528	1600	1605	1607	rBV	194364	189480	3.19%	0.224%
31	11.628	1619	1622	1625	rBV2	275535	247684	4.18%	0.293%
32	11.710	1631	1636	1640	rVB2	139832	183548	3.09%	0.217%
33	11.804	1648	1652	1654	rVV	968879	860534	14.51%	1.017%
34	11.834	1654	1657	1661	rVV	1184113	1109467	18.71%	1.311%

LSC Area Percent Report

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Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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	11.881	1661	1665	1667	rVV2	371308	398908	6.73%	0.471%
36	11.916	1667	1671	1673	rVV2	1348670	1426713	24.06%	1.686%
37	11.940	1673	1675	1680	rVB	779749	653456	11.02%	0.772%
38	12.099	1699	1702	1705	rBV	458641	435047	7.34%	0.514%
39	12.128	1705	1707	1713	rVB2	467102	433323	7.31%	0.512%
40	12.251	1726	1728	1731	rVB	305286	251979	4.25%	0.298%
41	12.287	1731	1734	1736	rBV	263084	209073	3.53%	0.247%
42	12.310	1736	1738	1741	rVB	255616	191921	3.24%	0.227%
43	12.363	1743	1747	1749	rBV	860776	868416	14.64%	1.026%
44	12.398	1749	1753	1755	rVV2	437033	513672	8.66%	0.607%
45	12.422	1755	1757	1759	rVB2	202886	154950	2.61%	0.183%
46	12.446	1759	1761	1766	rVB2	538365	641324	10.81%	0.758%
47	12.528	1771	1775	1778	rVB	3947155	3524921	59.43%	4.166%
48	12.569	1780	1782	1784	rBV	223666	220279	3.71%	0.260%
49	12.622	1788	1791	1793	rVB3	154198	139959	2.36%	0.165%
50	12.663	1794	1798	1801	rBV4	242186	364722	6.15%	0.431%
51	12.740	1807	1811	1812	rBV	2805204	2695424	45.45%	3.186%
52	12.757	1812	1814	1817	rVV	4411525	3802201	64.11%	4.494%
53	12.816	1820	1824	1827	rVB2	250965	364903	6.15%	0.431%
54	12.875	1831	1834	1836	rBV	274283	215133	3.63%	0.254%
55	12.916	1838	1841	1845	rVB3	340580	380398	6.41%	0.450%
56	12.975	1848	1851	1855	rBV2	569828	767579	12.94%	0.907%
57	13.034	1859	1861	1863	rBV2	177873	176314	2.97%	0.208%
58	13.063	1863	1866	1867	rBV2	448548	396509	6.69%	0.469%
59	13.087	1868	1870	1873	rVB	1028562	888549	14.98%	1.050%
60	13.128	1873	1877	1878	rBV2	163867	191071	3.22%	0.226%
61	13.157	1879	1882	1884	rVB	570199	500046	8.43%	0.591%
62	13.193	1885	1888	1891	rBV	996659	929526	15.67%	1.099%
63	13.287	1901	1904	1907	rVV	733282	605952	10.22%	0.716%
64	13.316	1907	1909	1913	rVB	713660	636204	10.73%	0.752%
65	13.475	1933	1936	1937	rBV3	122119	137659	2.32%	0.163%
66	13.604	1956	1958	1963	rVB	506425	529748	8.93%	0.626%
67	13.716	1972	1977	1980	rBV2	722055	944040	15.92%	1.116%
68	13.745	1980	1982	1984	rVB	502449	384318	6.48%	0.454%
69	13.769	1984	1986	1992	rBV3	303366	460632	7.77%	0.544%
70	13.816	1992	1994	1999	rVB2	817508	759213	12.80%	0.897%
71	13.863	1999	2002	2005	rBV	686500	665687	11.22%	0.787%

LSC Area Percent Report

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Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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	13.963	2013	2019	2023	rBV3	3914063	5930993	100.00%	7.010%
73	13.998	2023	2025	2033	rVB	2696116	2428830	40.95%	2.871%
74	14.063	2033	2036	2037	rBV	232286	248155	4.18%	0.293%
75	14.081	2037	2039	2041	rVB	317077	238950	4.03%	0.282%
76	14.116	2042	2045	2052	rBV5	285055	665016	11.21%	0.786%
77	14.234	2063	2065	2067	rBV3	183022	167313	2.82%	0.198%
78	14.298	2073	2076	2077	rBV2	245482	269538	4.54%	0.319%
79	14.328	2079	2081	2083	rVV	351753	351164	5.92%	0.415%
80	14.363	2085	2087	2091	rVV	958442	1010615	17.04%	1.194%
81	14.398	2091	2093	2097	rVV	620210	560748	9.45%	0.663%
82	14.440	2097	2100	2101	rVV2	276193	324341	5.47%	0.383%
83	14.463	2101	2104	2106	rVV2	729434	829255	13.98%	0.980%
84	14.492	2106	2109	2111	rVV2	558862	616397	10.39%	0.729%
85	14.510	2111	2112	2116	rVV2	460168	357338	6.02%	0.422%
86	14.563	2119	2121	2125	rVB2	357774	388449	6.55%	0.459%
87	14.763	2153	2155	2158	rVB2	180629	148940	2.51%	0.176%
88	15.028	2195	2200	2203	rBV	2030858	3117983	52.57%	3.685%
89	15.104	2210	2213	2215	rBV2	358149	409337	6.90%	0.484%
90	15.134	2215	2218	2222	rVB	508661	567911	9.58%	0.671%
91	15.328	2247	2251	2254	rBV	1309528	1679883	28.32%	1.985%
92	15.363	2254	2257	2259	rVV	1544176	1825025	30.77%	2.157%
93	15.392	2259	2262	2267	rVB	2009853	2384617	40.21%	2.818%
94	15.451	2268	2272	2275	rBV	1304034	1661459	28.01%	1.964%
95	15.487	2275	2278	2285	rVB3	542225	900545	15.18%	1.064%
96	15.934	2350	2354	2358	rVB2	231449	316035	5.33%	0.374%
97	16.016	2365	2368	2373	rVB3	207517	268132	4.52%	0.317%
98	16.928	2517	2523	2532	rVB2	886288	1745749	29.43%	2.063%
99	17.098	2548	2552	2557	rBV	219139	380957	6.42%	0.450%
100	17.375	2592	2599	2608	rVB	679928	1429503	24.10%	1.689%

Sum of corrected areas: 84611636

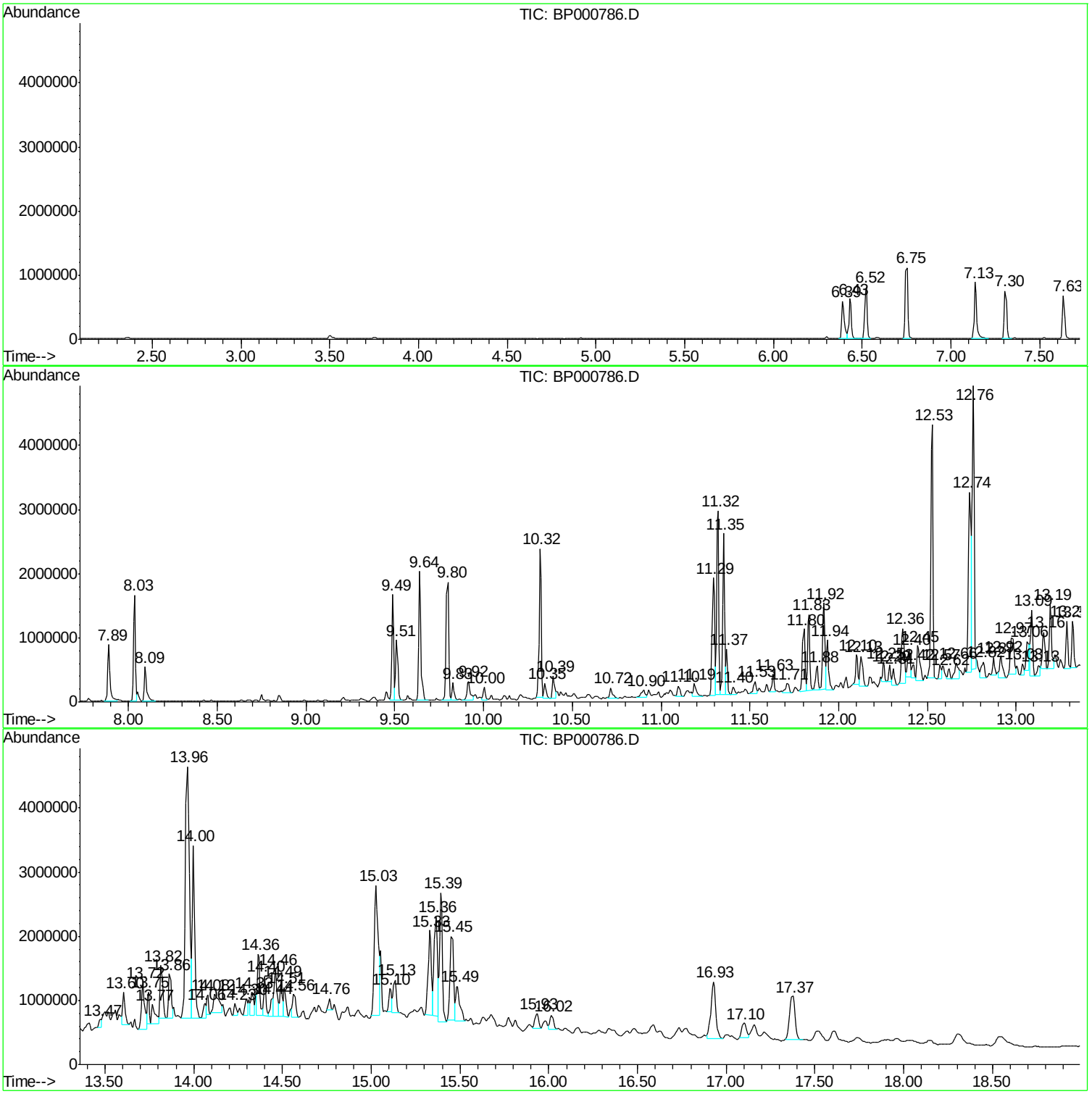
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

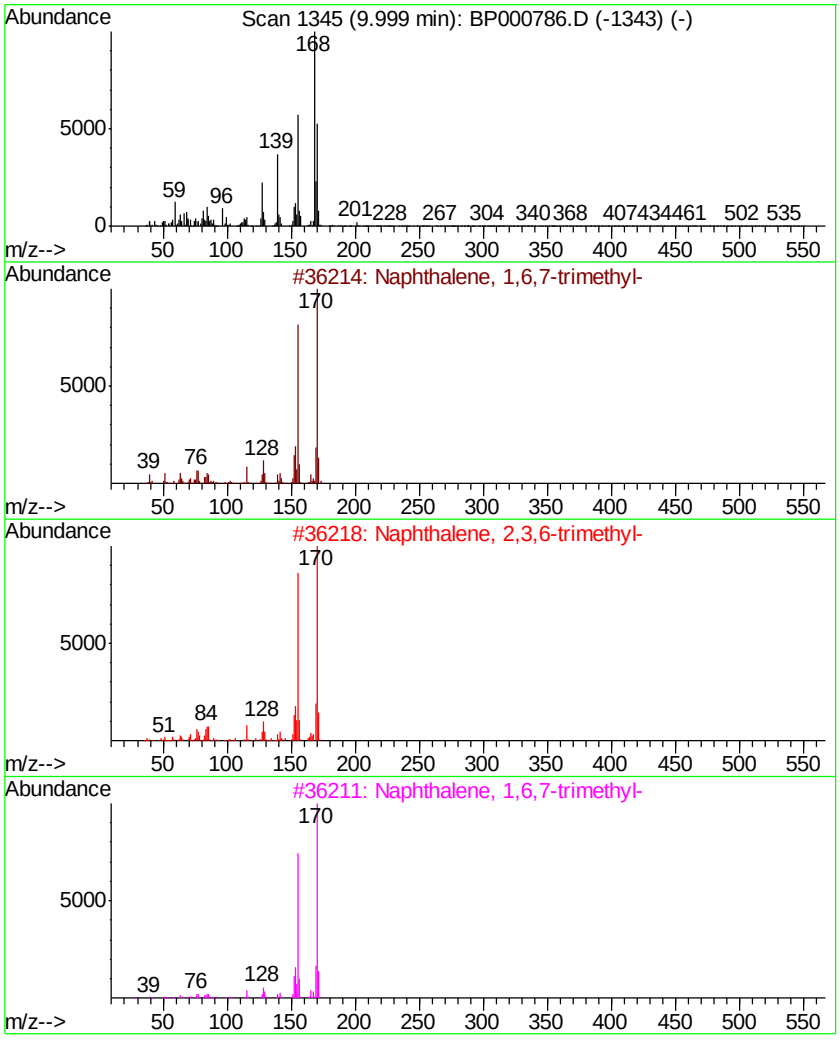
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

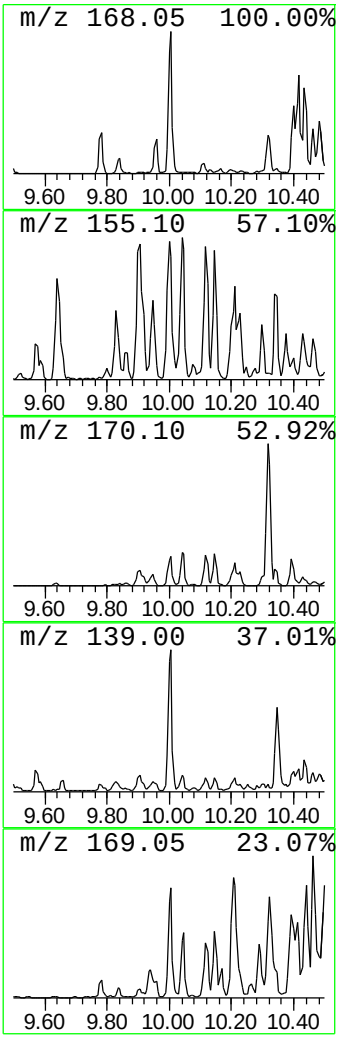
****

Peak Number 1 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	2.21 ng/ul	183154	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	35
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	35
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	35
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	35
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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

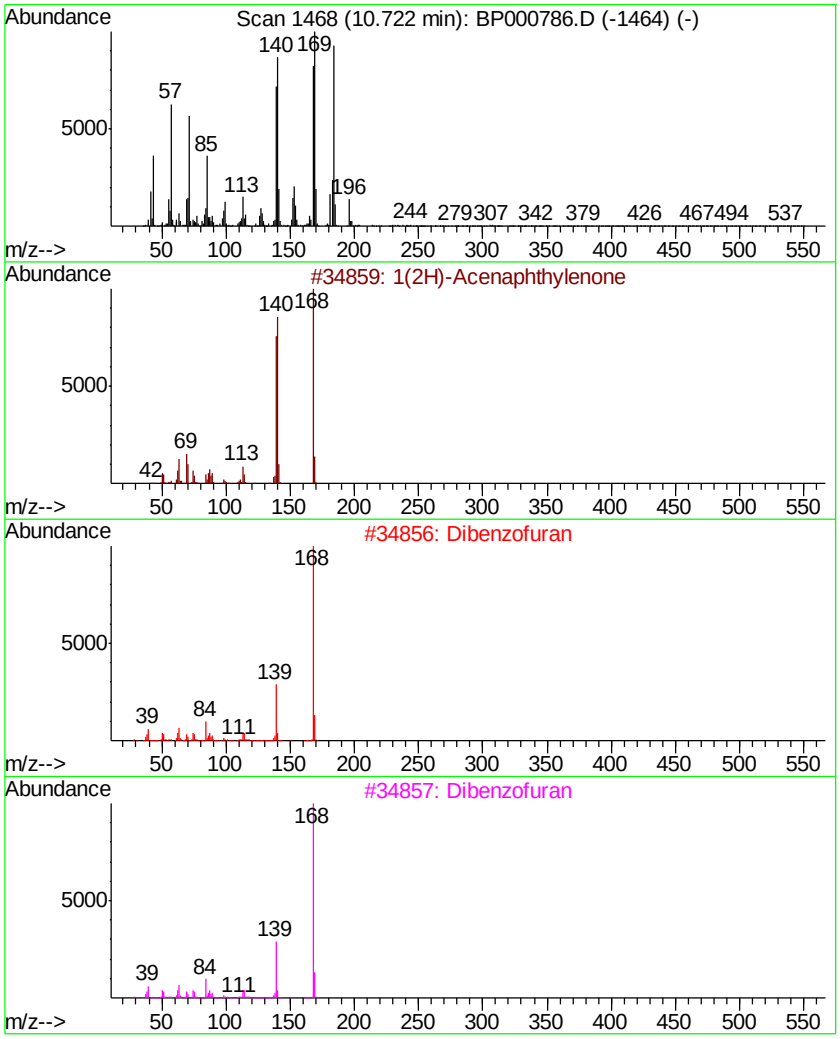
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

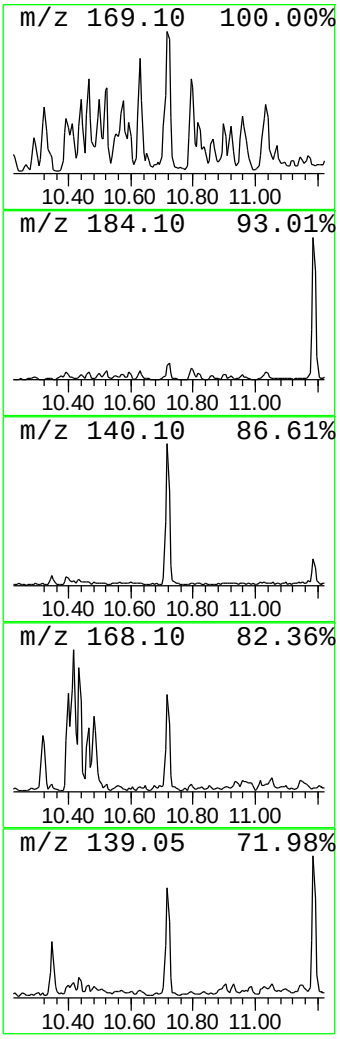
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	2.35 ng/ul	196193	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	55
2	Dibenzofuran	168	C12H8O	000132-64-9	30
3	Dibenzofuran	168	C12H8O	000132-64-9	30
4	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	25
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
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Sample : K5178-11
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Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

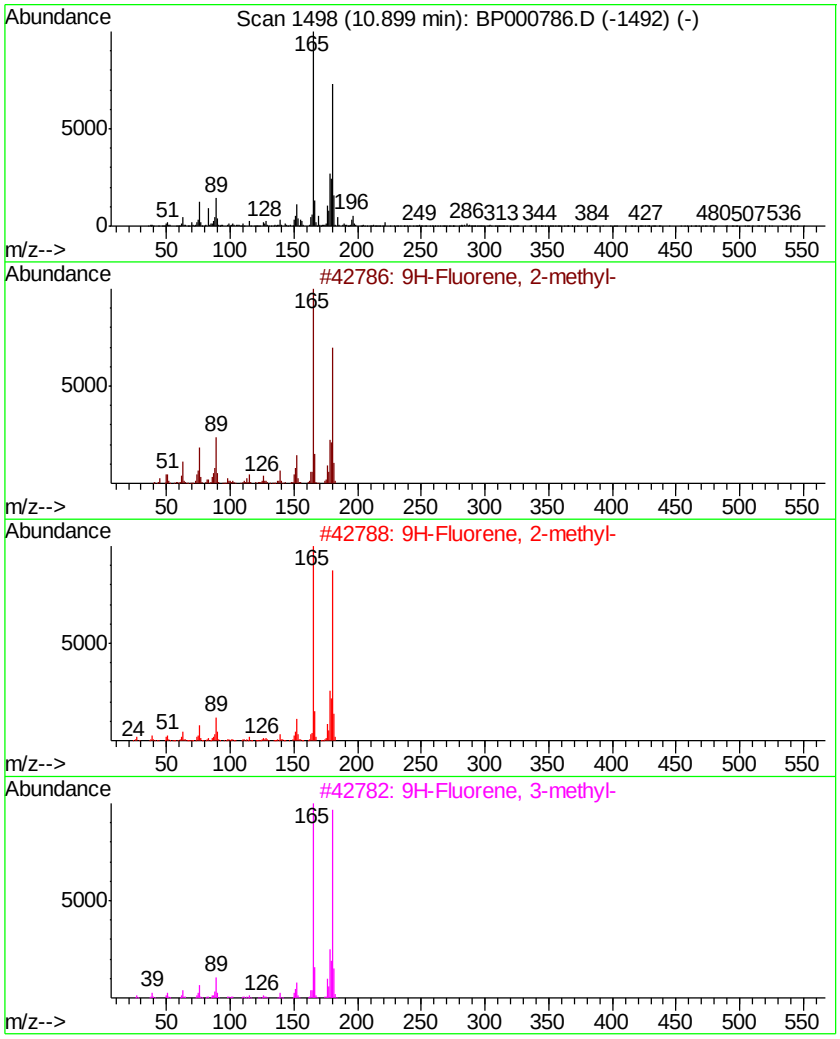
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

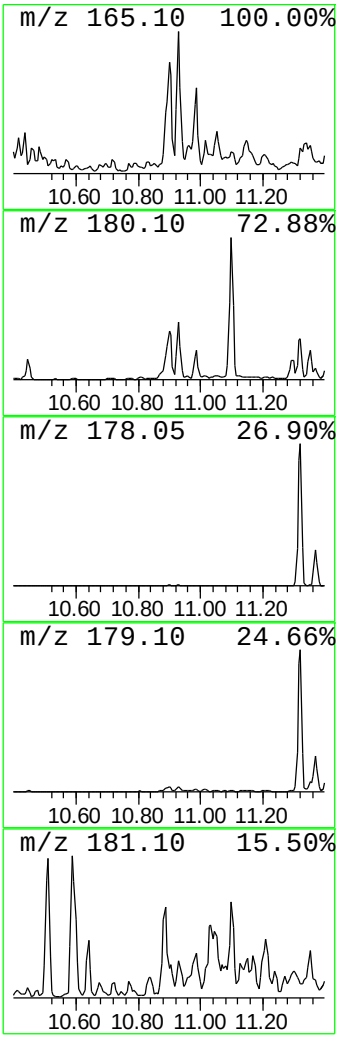
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.10 ng/ul	174995	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78





Library Search Compound Report

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Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
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Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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

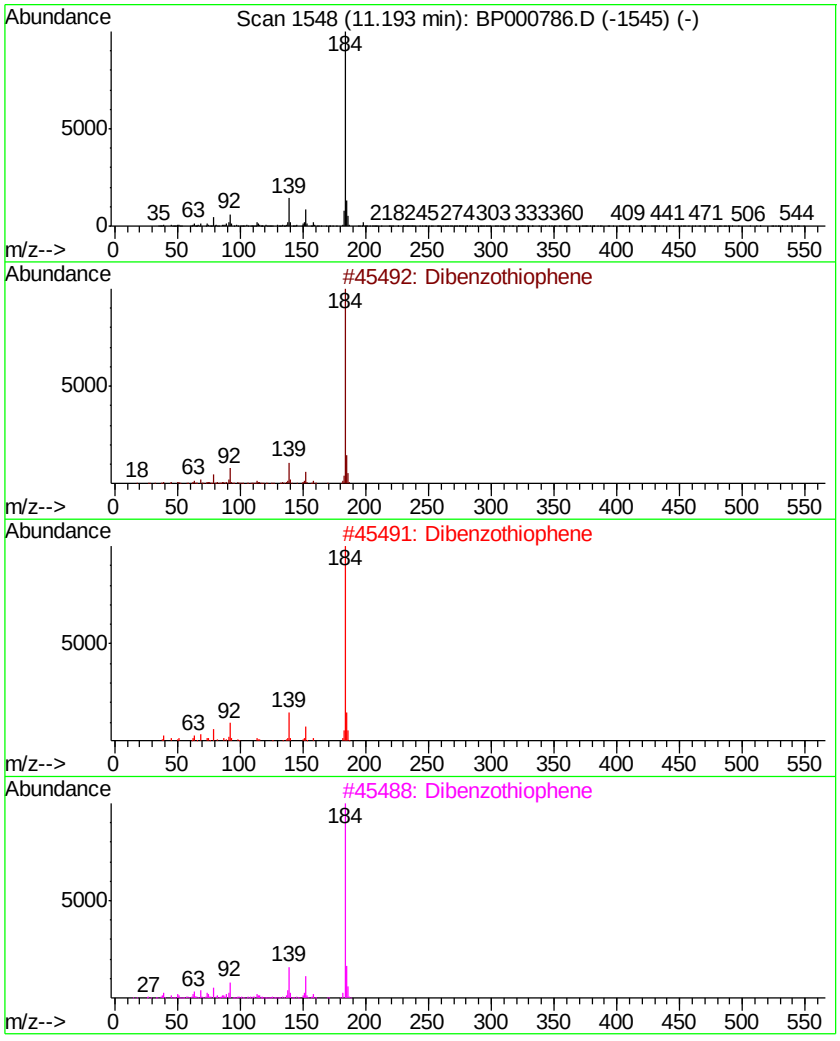
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

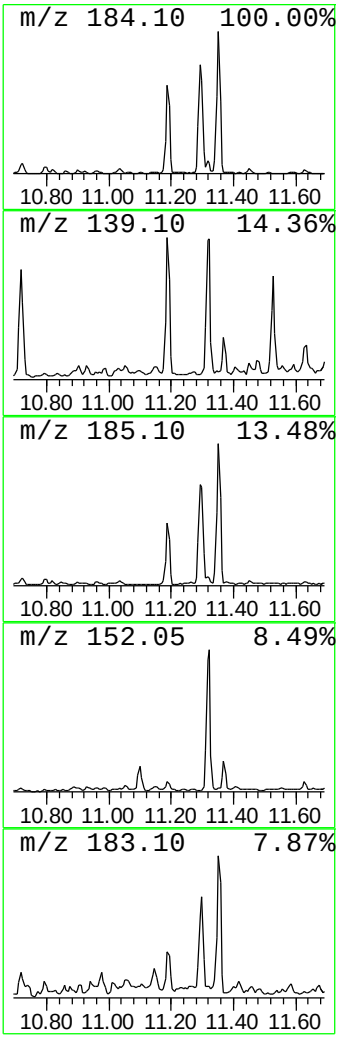
****

Peak Number 4 Dibenzothiophene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.44 ng/ul	203310	Phenanthrene-d10	11.29

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





Library Search Compound Report

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Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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

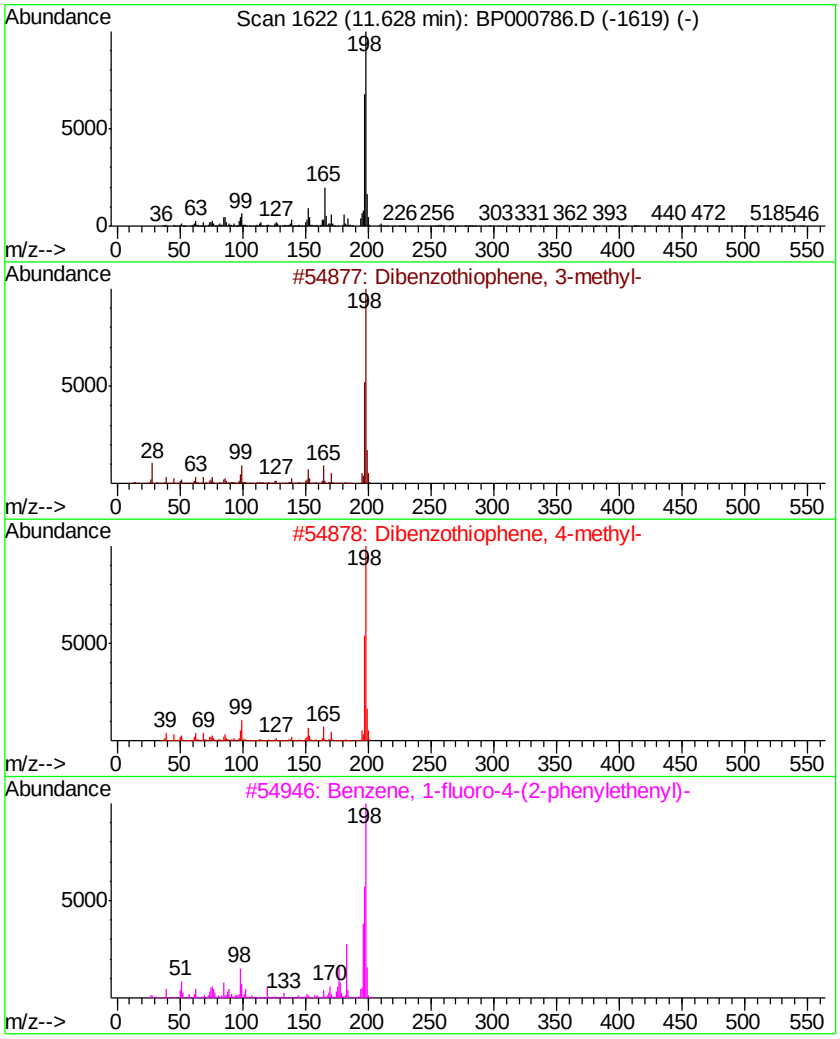
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

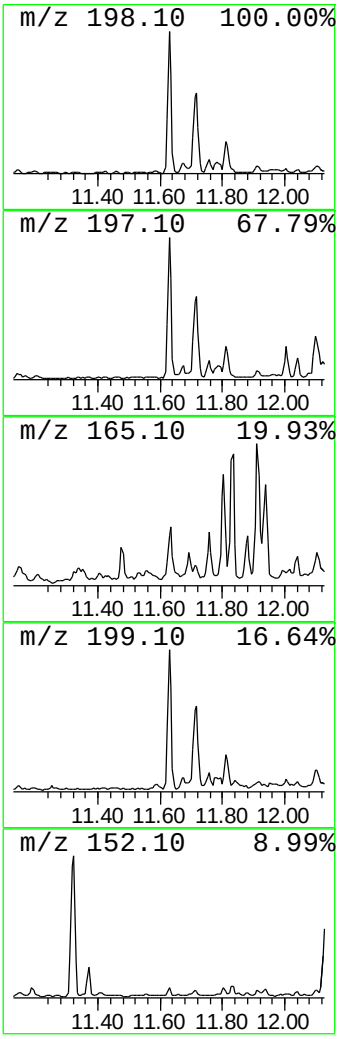
****

Peak Number 5 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	2.97 ng/ul	247684	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72
4	Thioxanthene	198	C13H10S	000261-31-4	70
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68





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Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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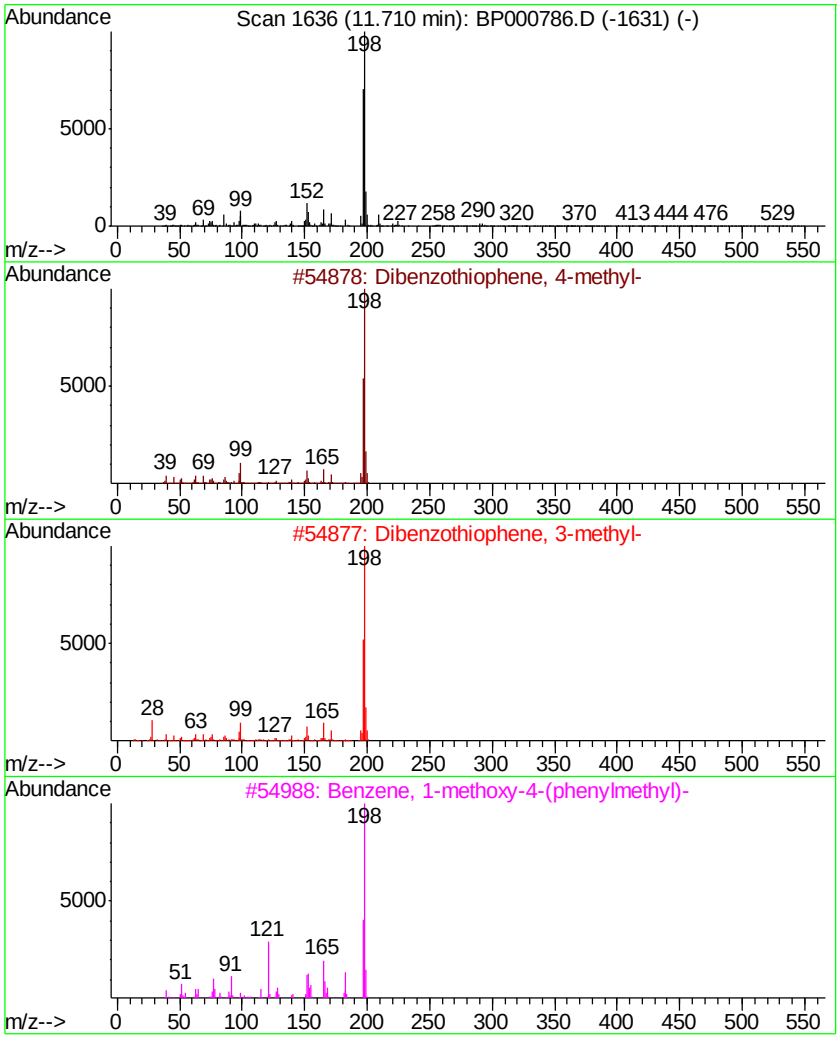
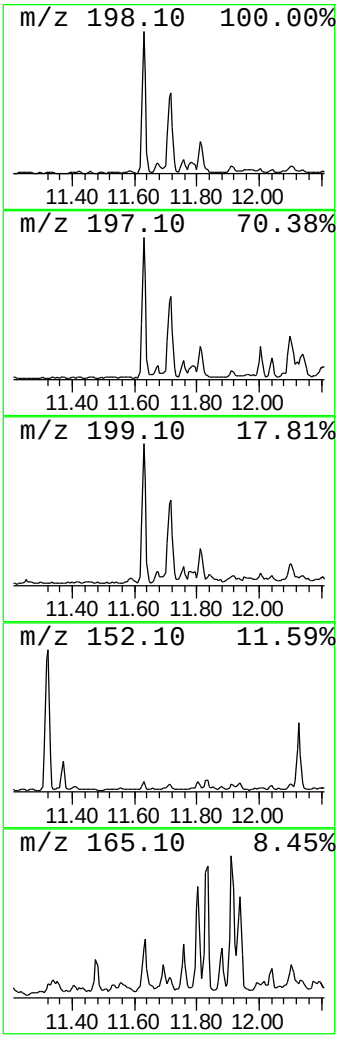
Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.20 ng/ul	183548	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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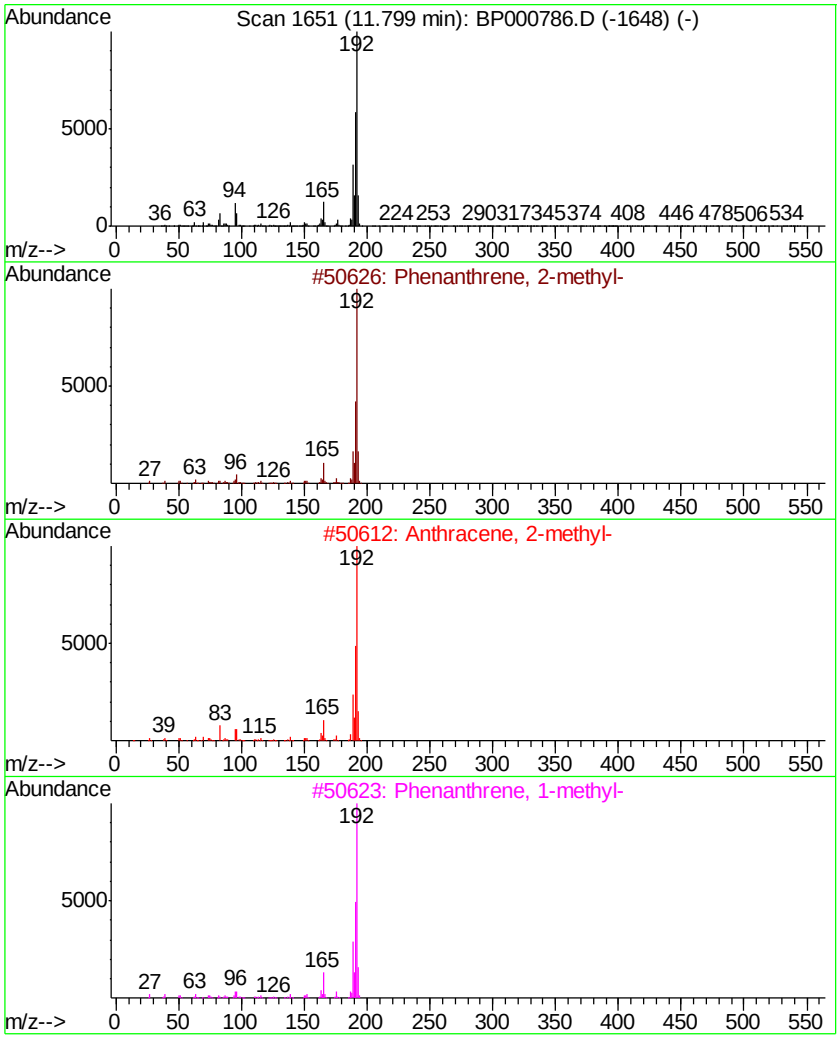
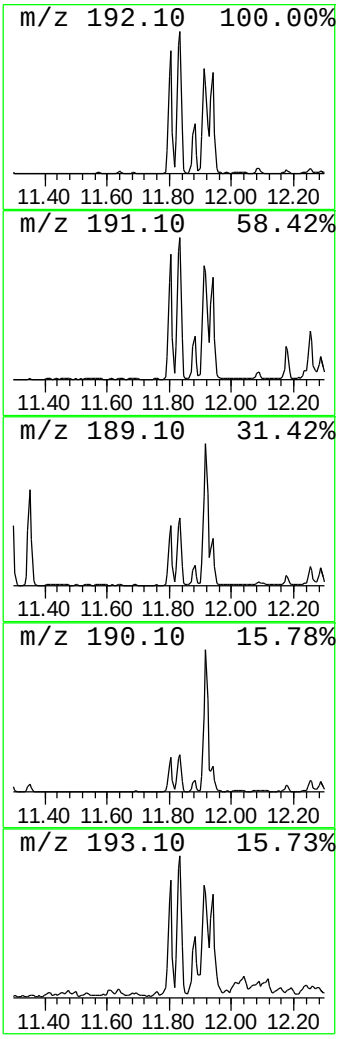
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	10.31 ng/ul	860534	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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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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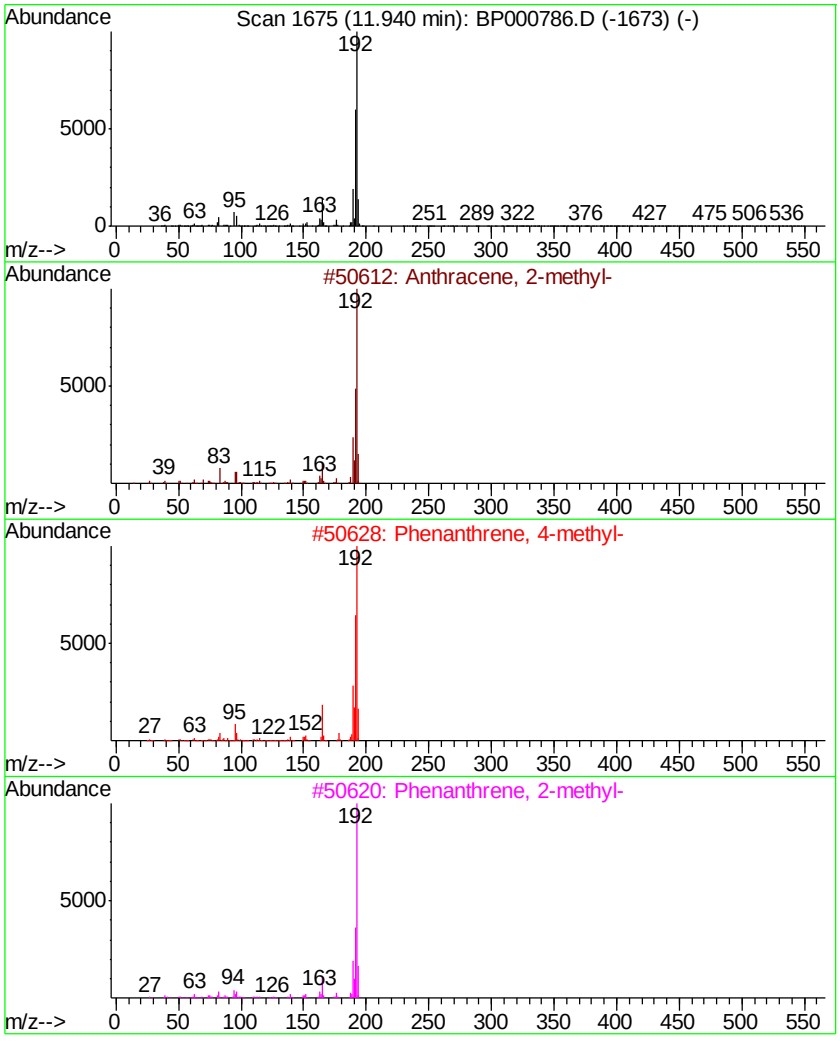
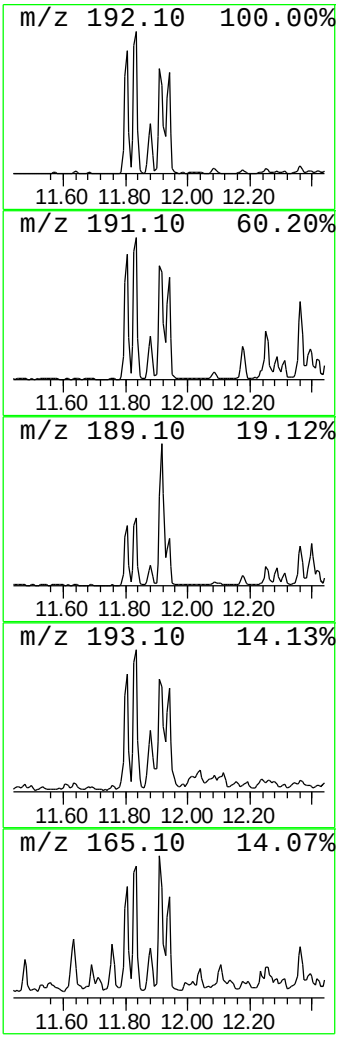
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.83 ng/ul	653456	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Sample : K5178-11
Misc :
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Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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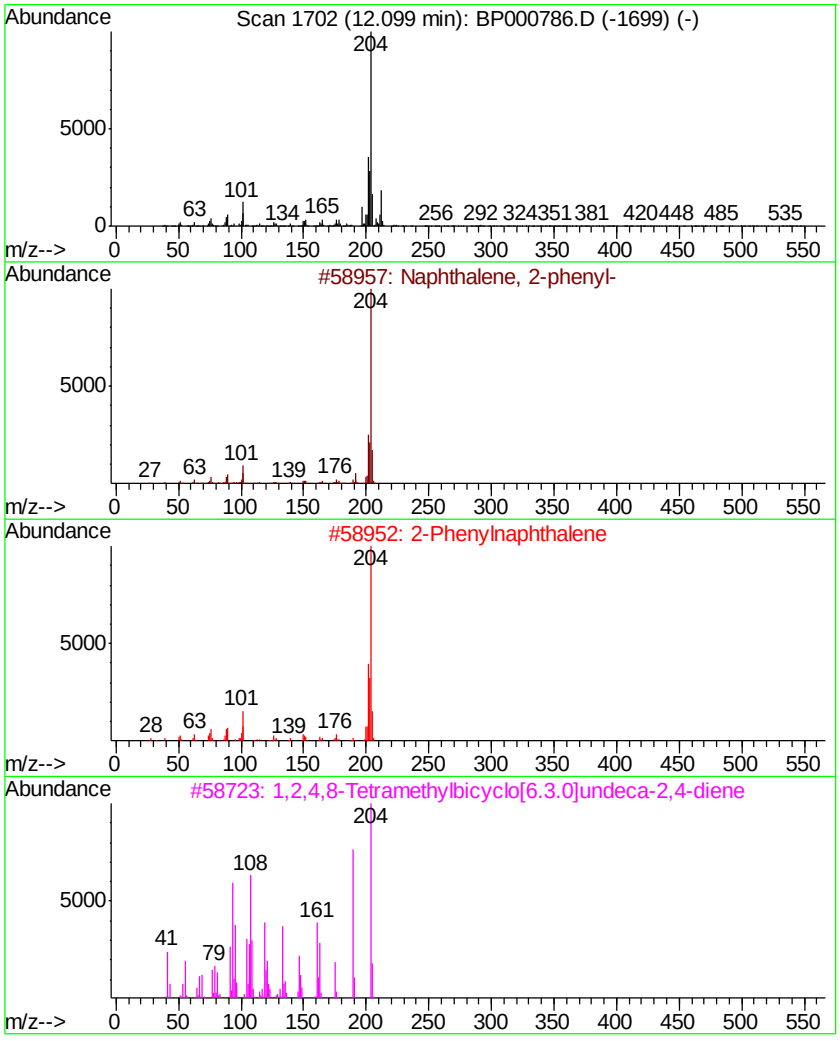
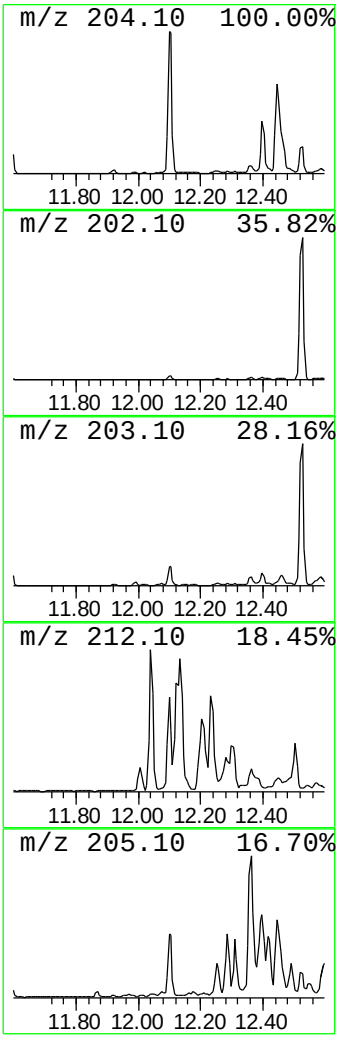
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	5.21 ng/ul	435047	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	72
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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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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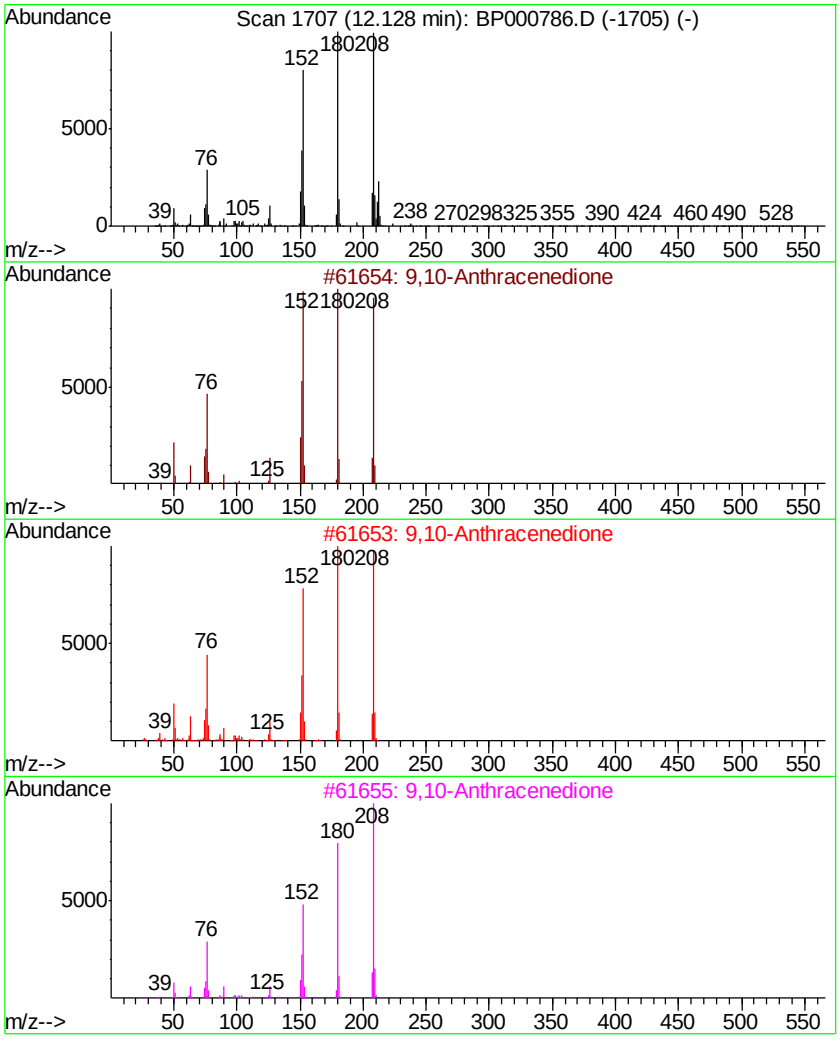
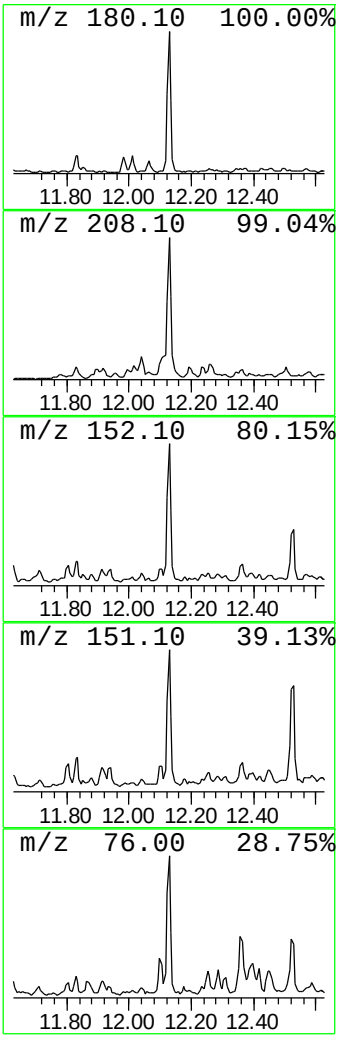
Peak Number 10 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.19 ng/ul	433323	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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Acq On : 15 Oct 2019 23:24
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Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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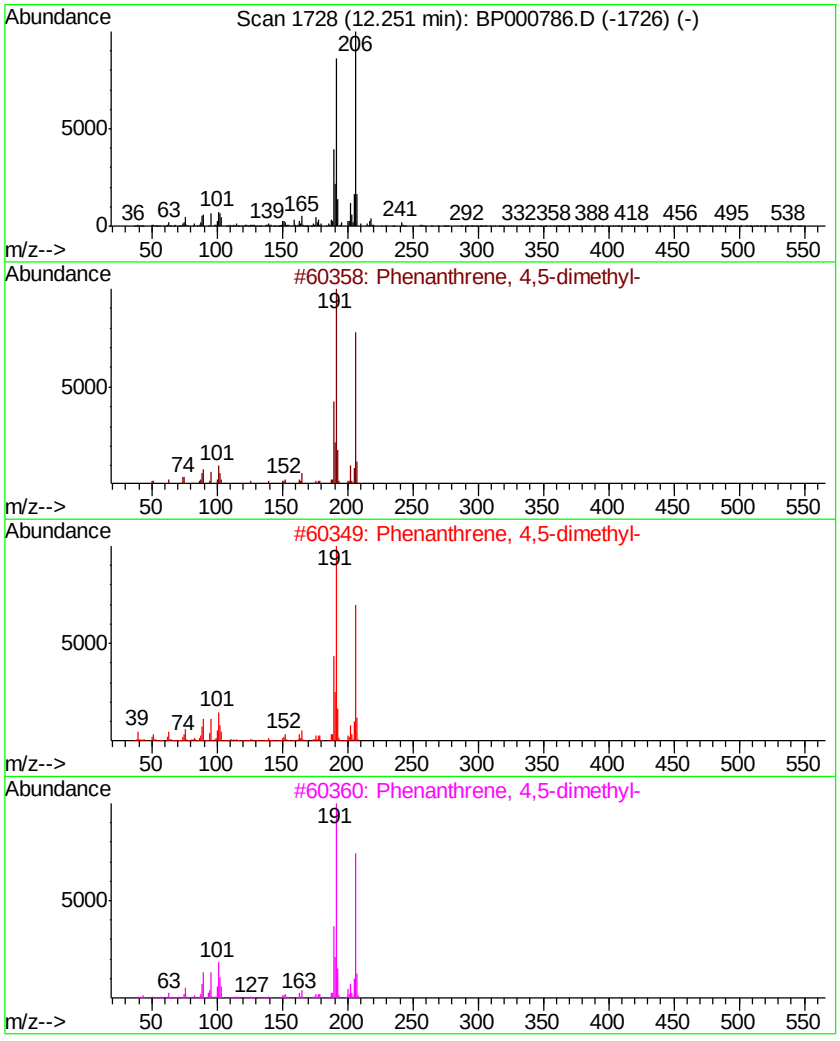
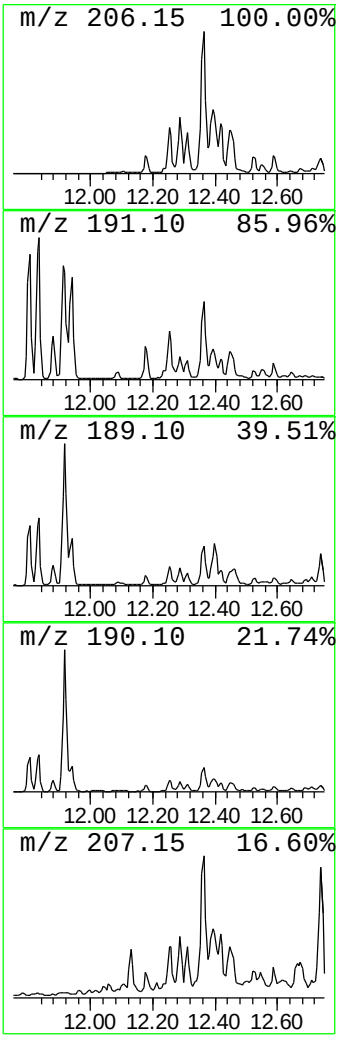
Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.02 ng/ul	251979	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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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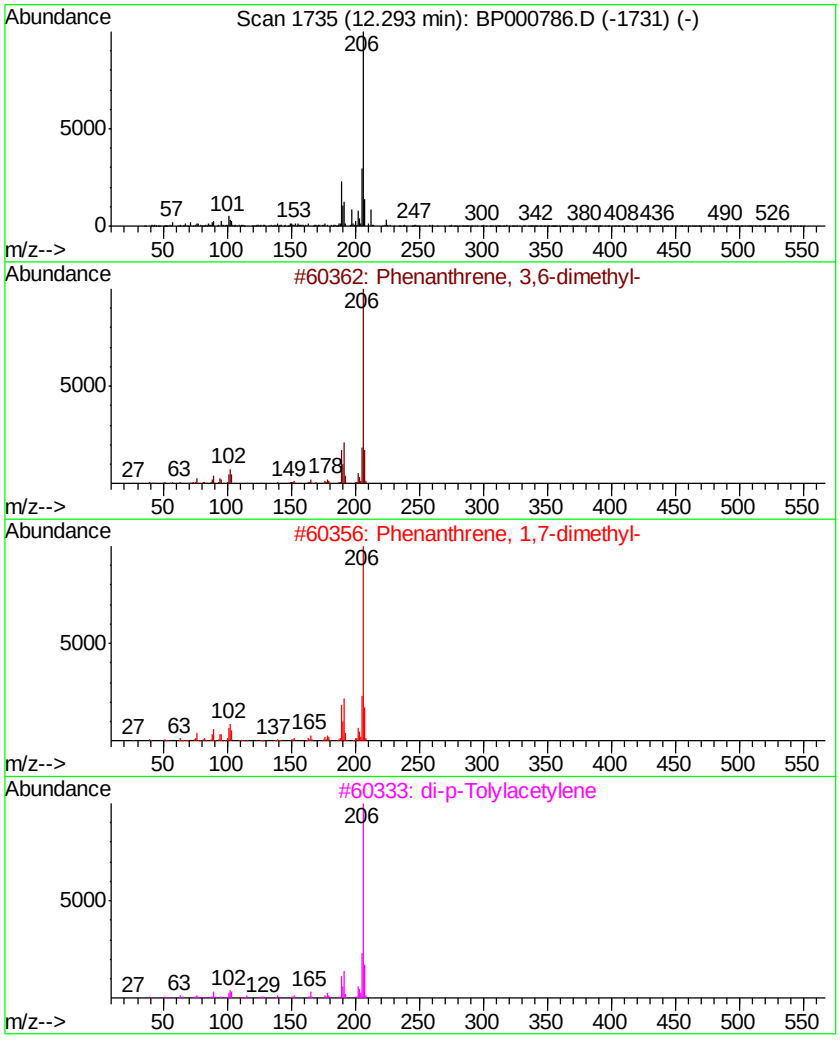
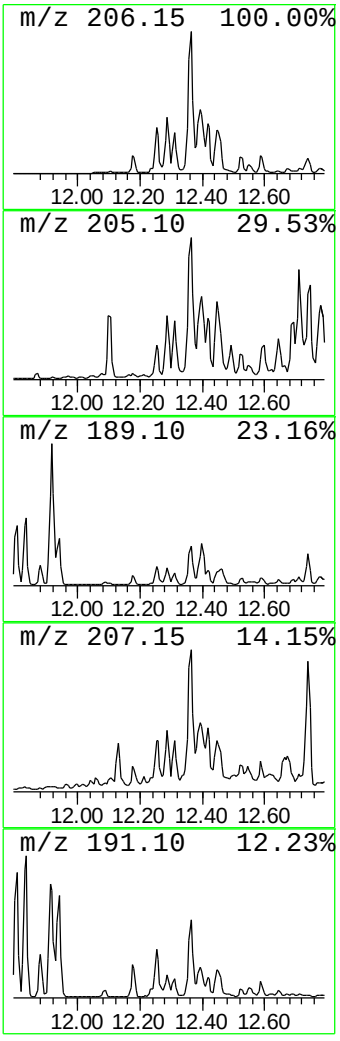
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.50 ng/ul	209073	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Quant Title : SVOA CALIBRATION

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

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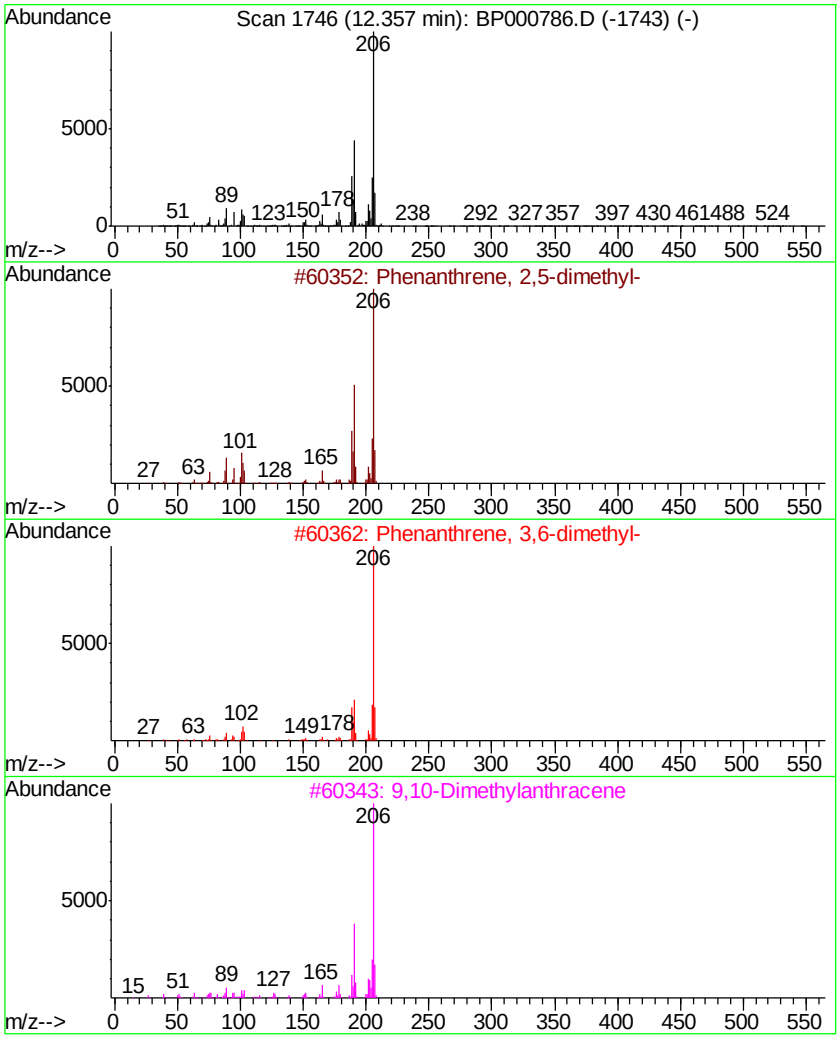
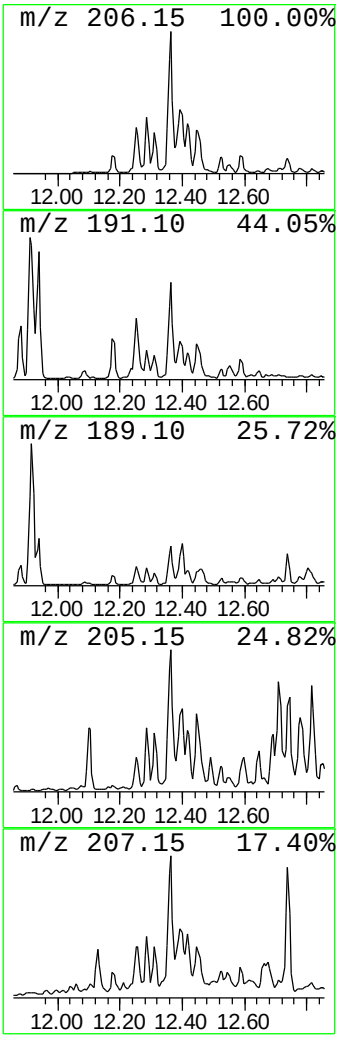
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	10.40 ng/ul	868416	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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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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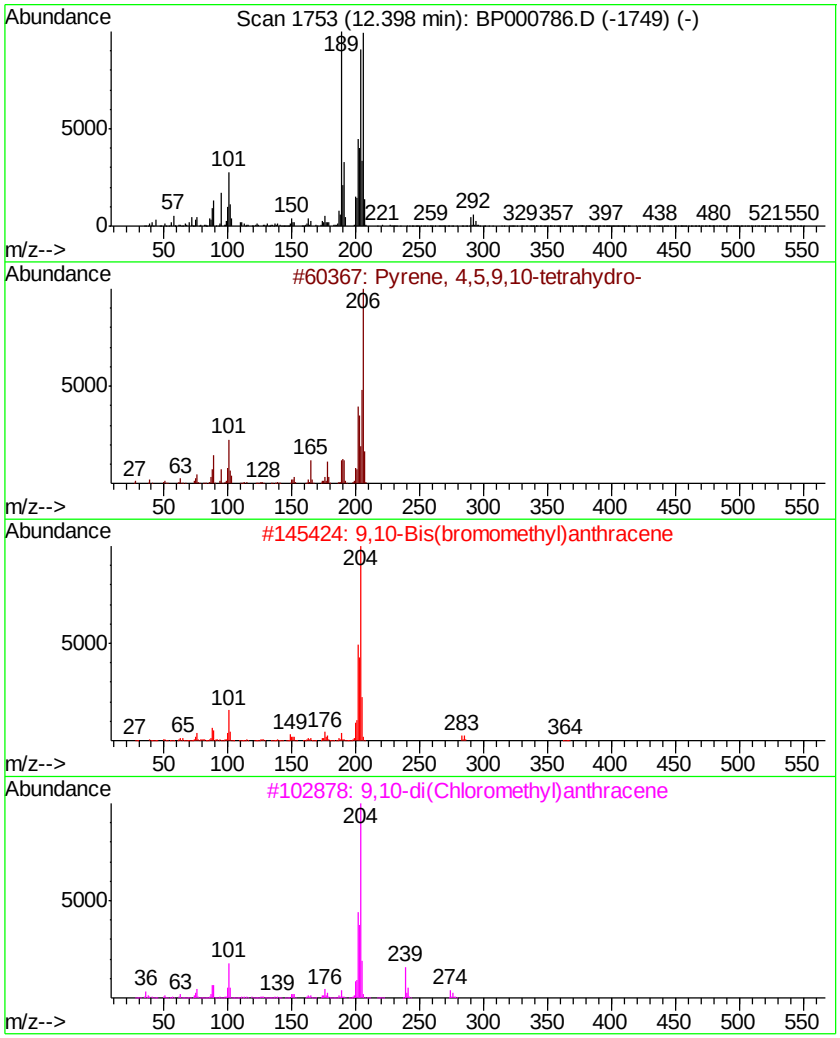
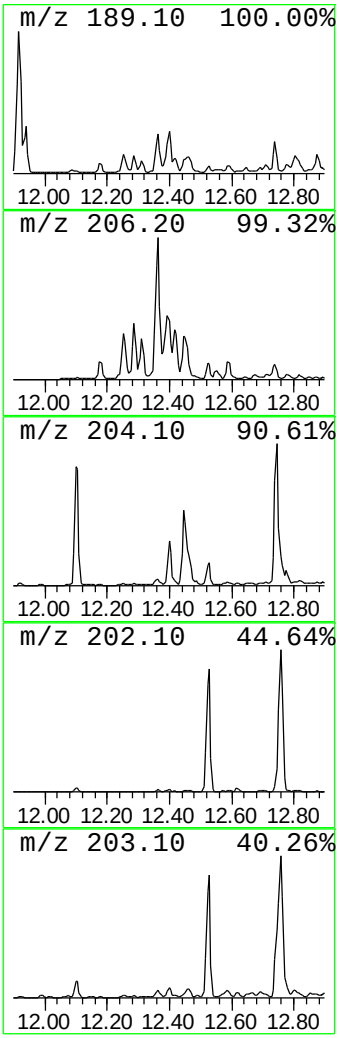
Peak Number 15 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	6.15 ng/ul	513672	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	204	C5H5BrN2O2	015018-56-1	27





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Quant Title : SVOA CALIBRATION

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

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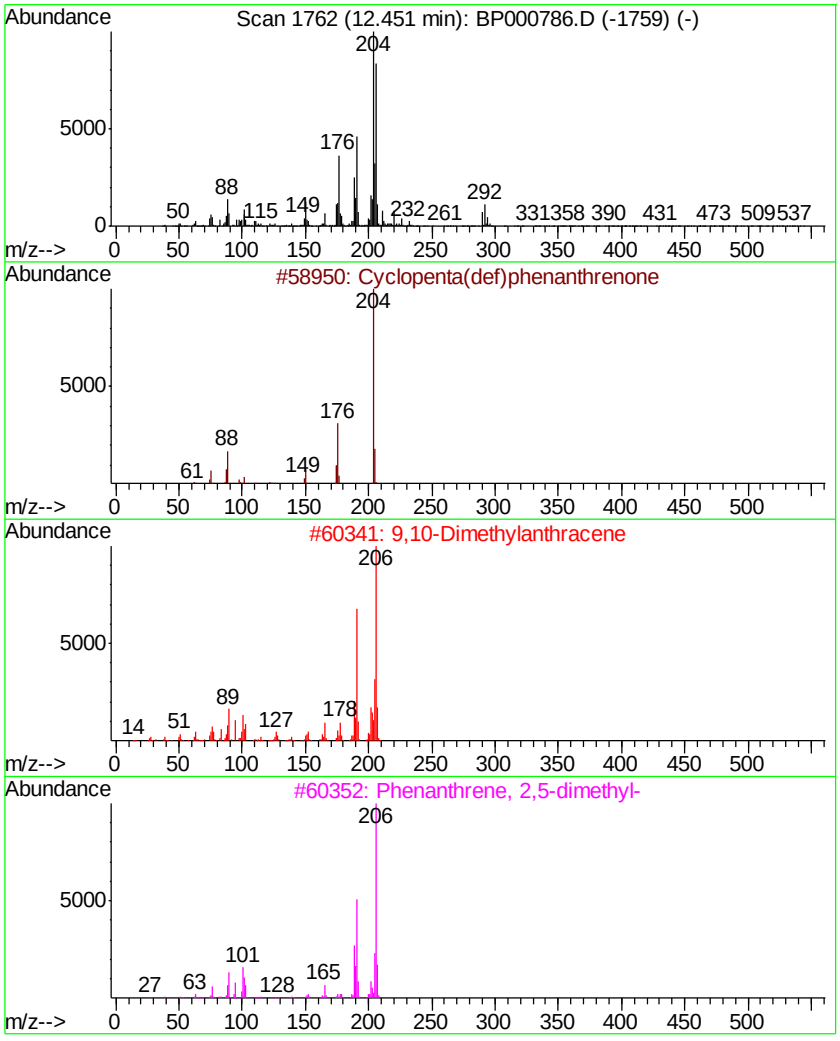
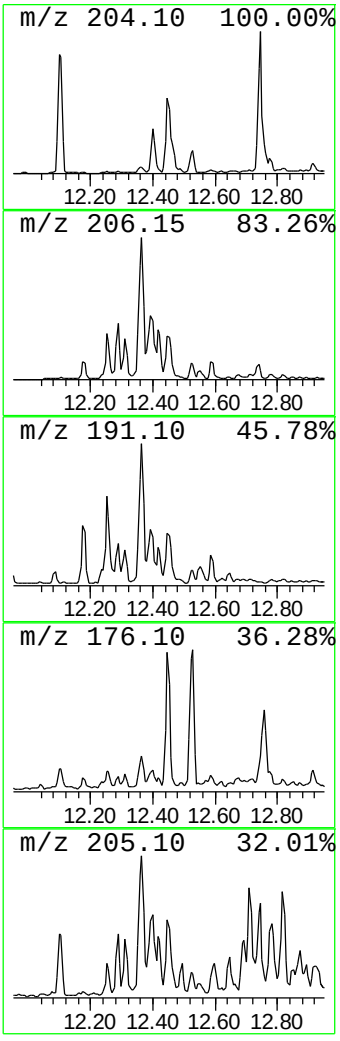
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	7.68 ng/ul	641324	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46





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Quant Title : SVOA CALIBRATION

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

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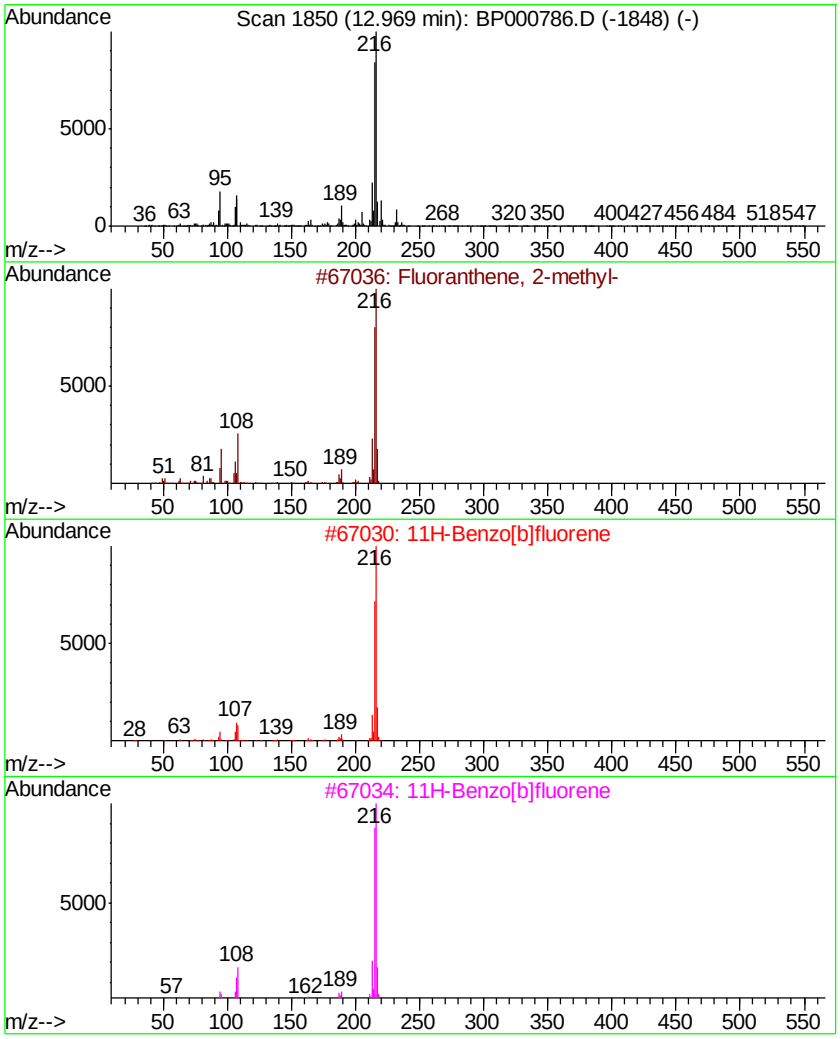
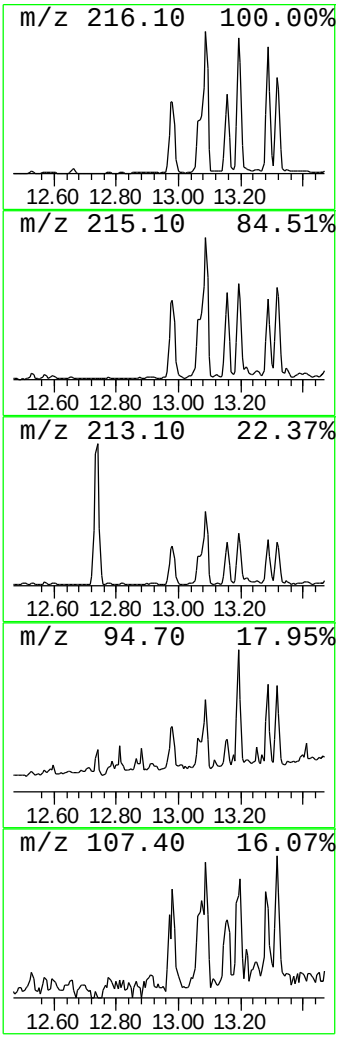
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.59 ng/ul	767579	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58





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Sample : K5178-11
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ALS Vial : 34 Sample Multiplier: 1

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ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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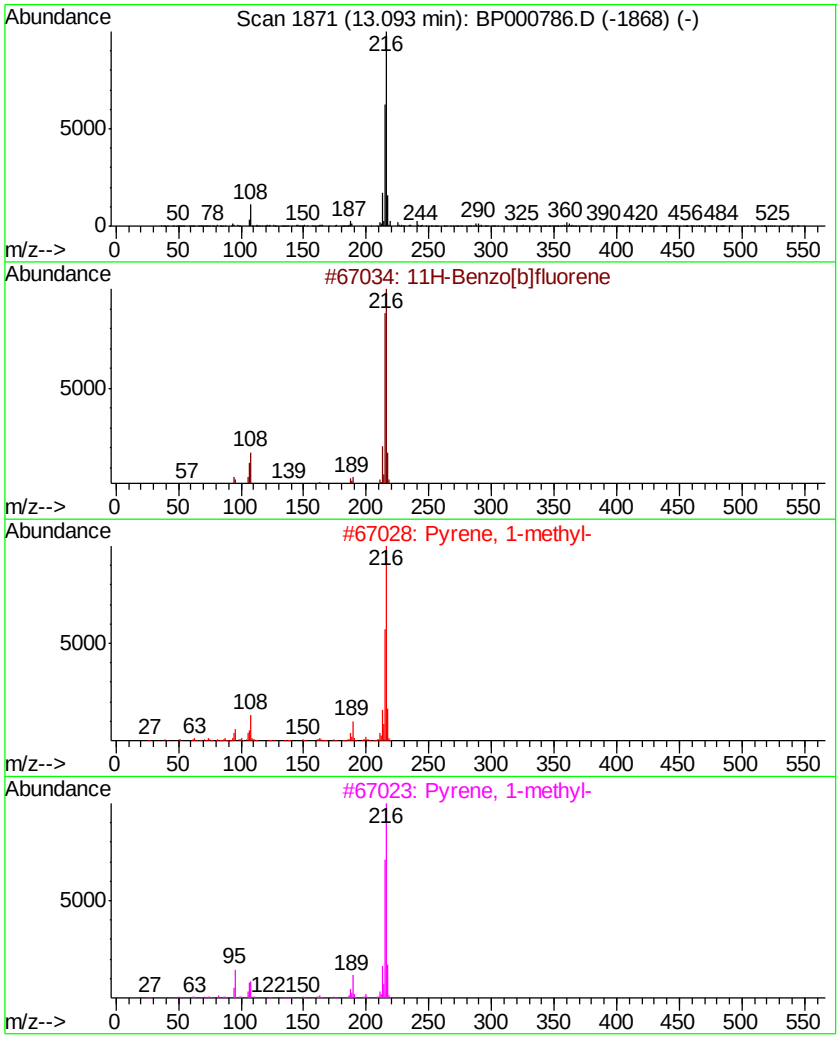
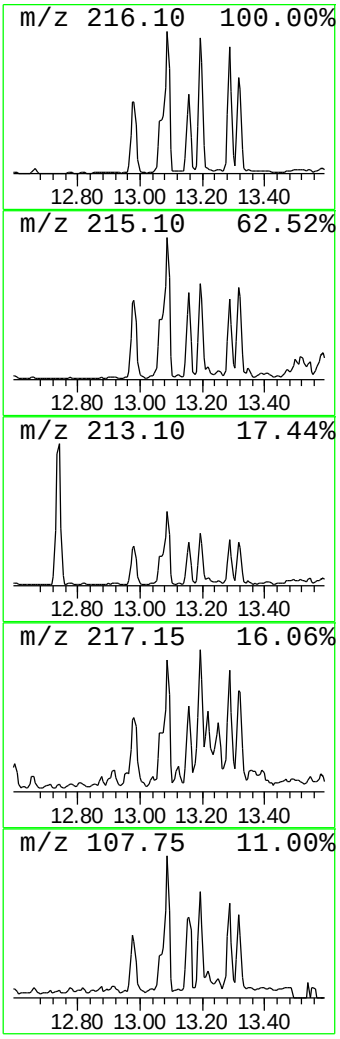
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.00 ng/ul	888549	Chrysene-d12	13.97

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





Library Search Compound Report

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Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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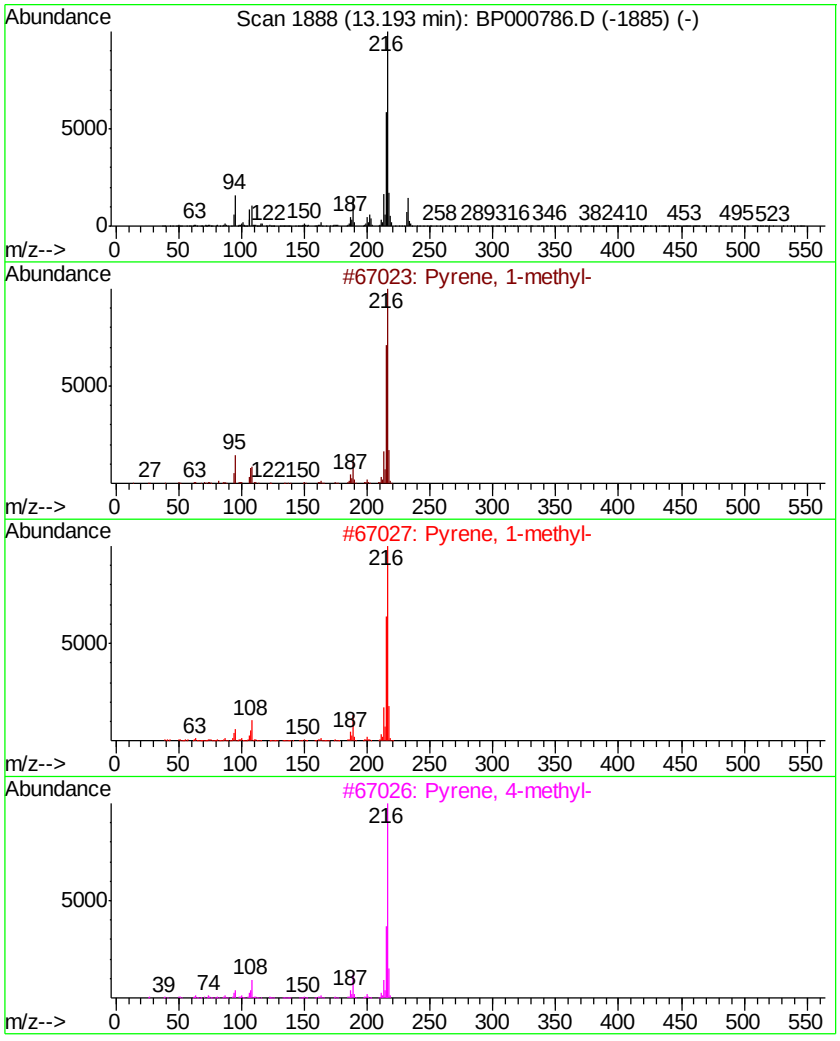
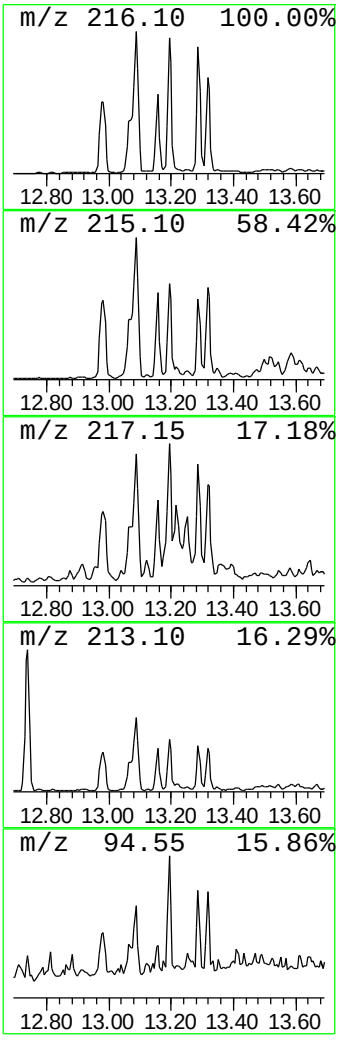
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.13 ng/ul	929526	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94





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Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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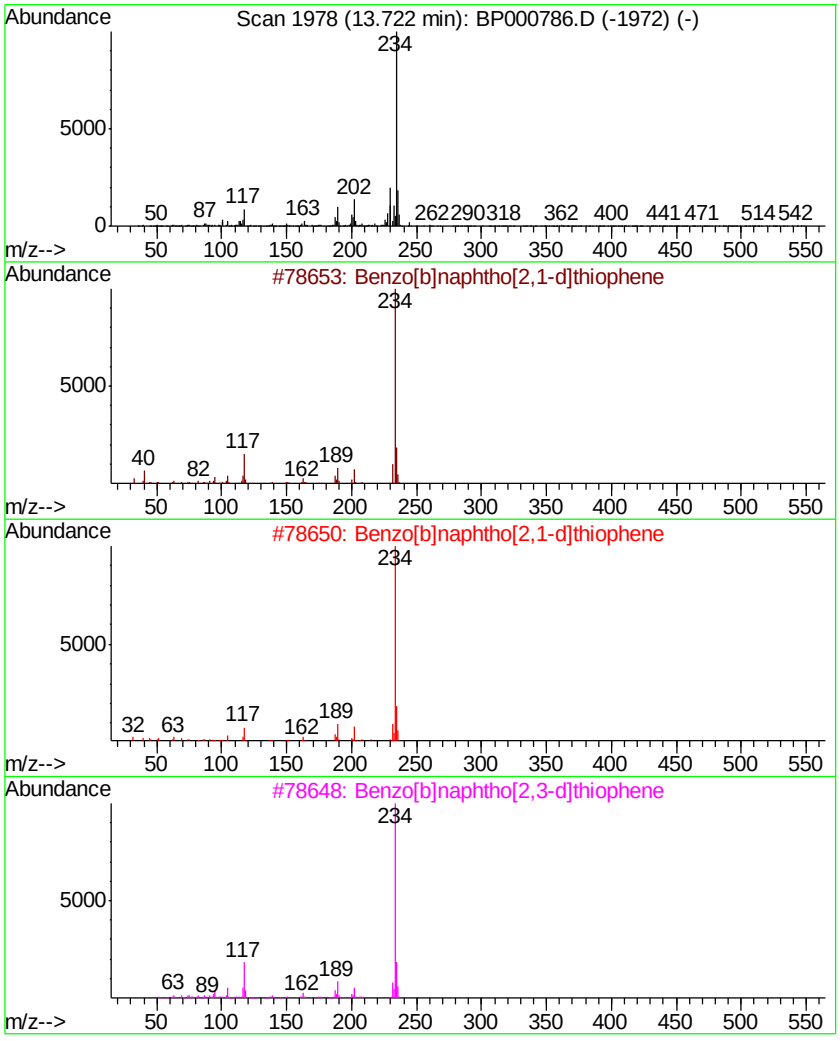
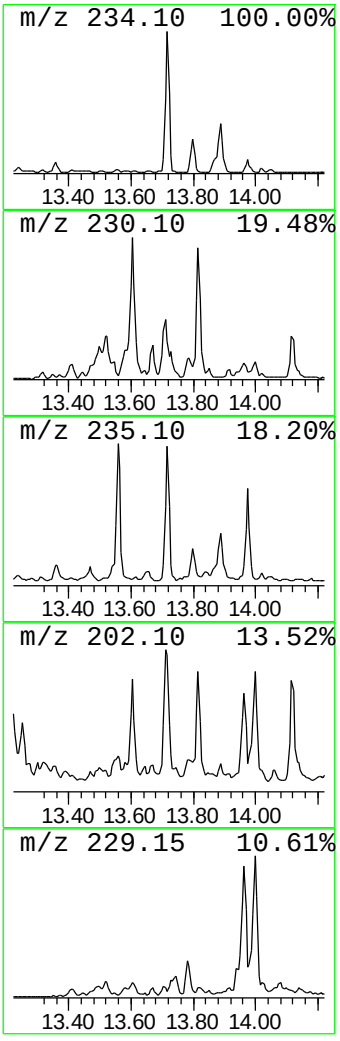
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.18 ng/ul	944040	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	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	80
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	68
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64





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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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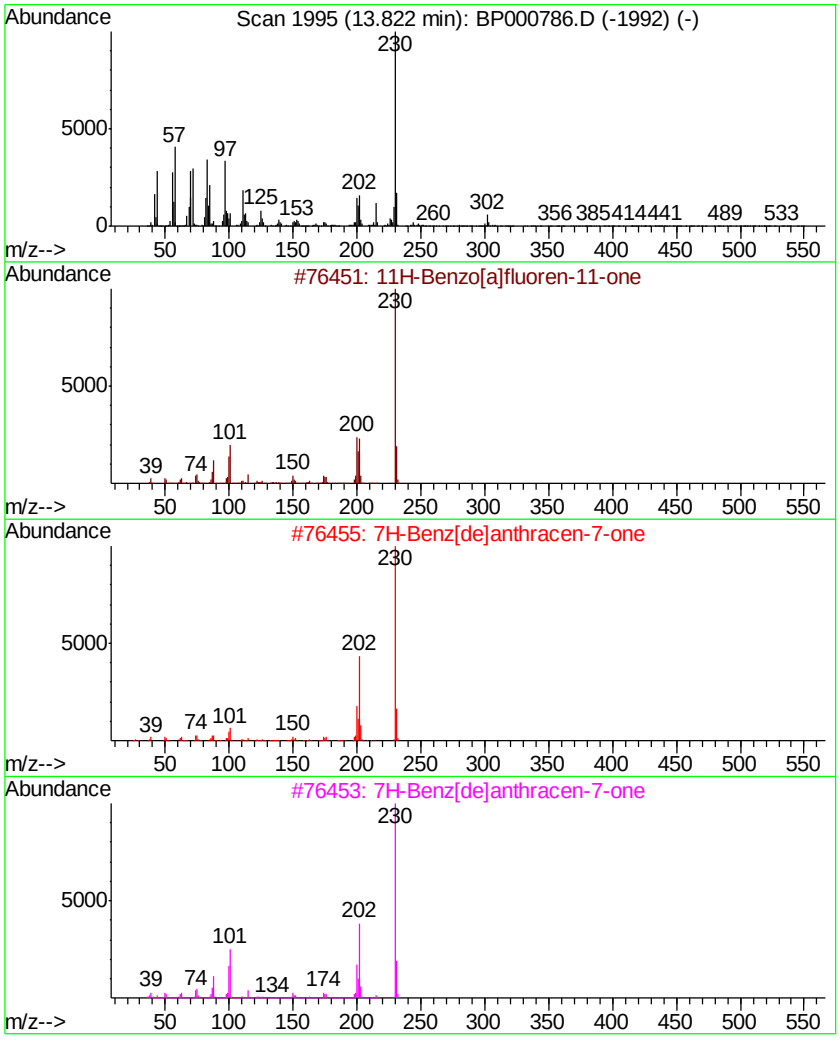
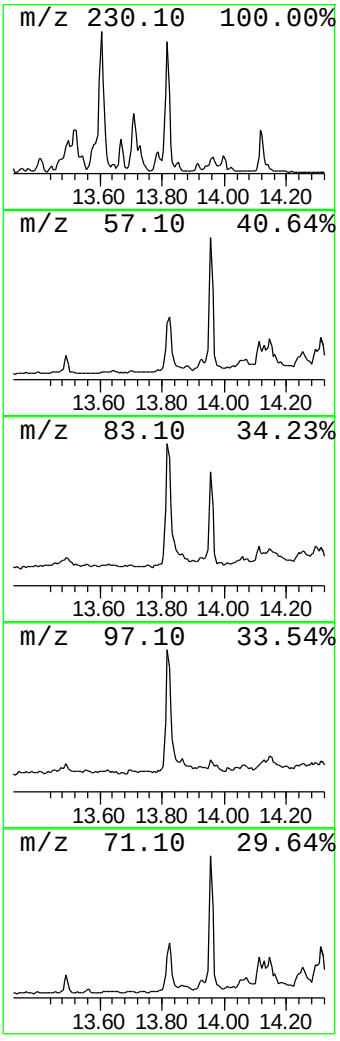
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.56 ng/ul	759213	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	43
5	4-Chloro-indeno[1,2-b]pyridin-5-...	230	C12H7ClN2O	1000294-18-6	38





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Quant Title : SVOA CALIBRATION

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

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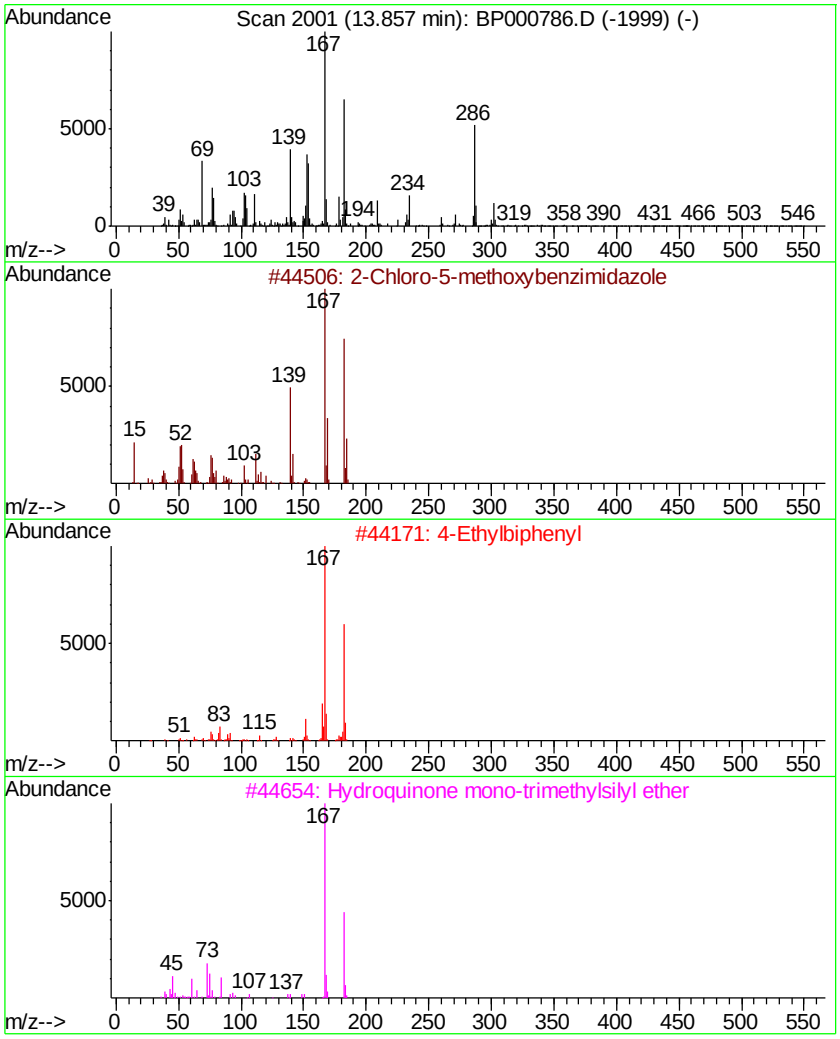
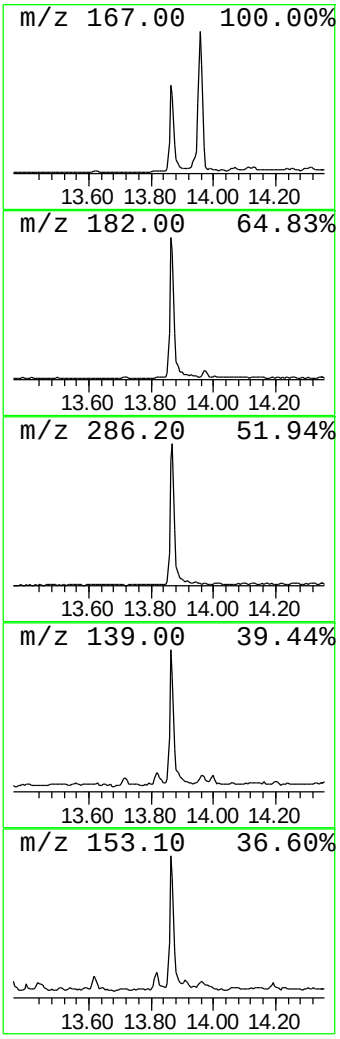
Peak Number 24 unknown-03 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.24 ng/ul	665687	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5-methoxybenzimidazole	182	C8H7ClN2O	015965-54-5	46
2	4-Ethylbiphenyl	182	C14H14	005707-44-8	38
3	Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	35
4	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	35
5	7-Phosphabicyclo[2.2.1]hept-2-en...	182	C11H19P	1000151-83-5	27





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Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

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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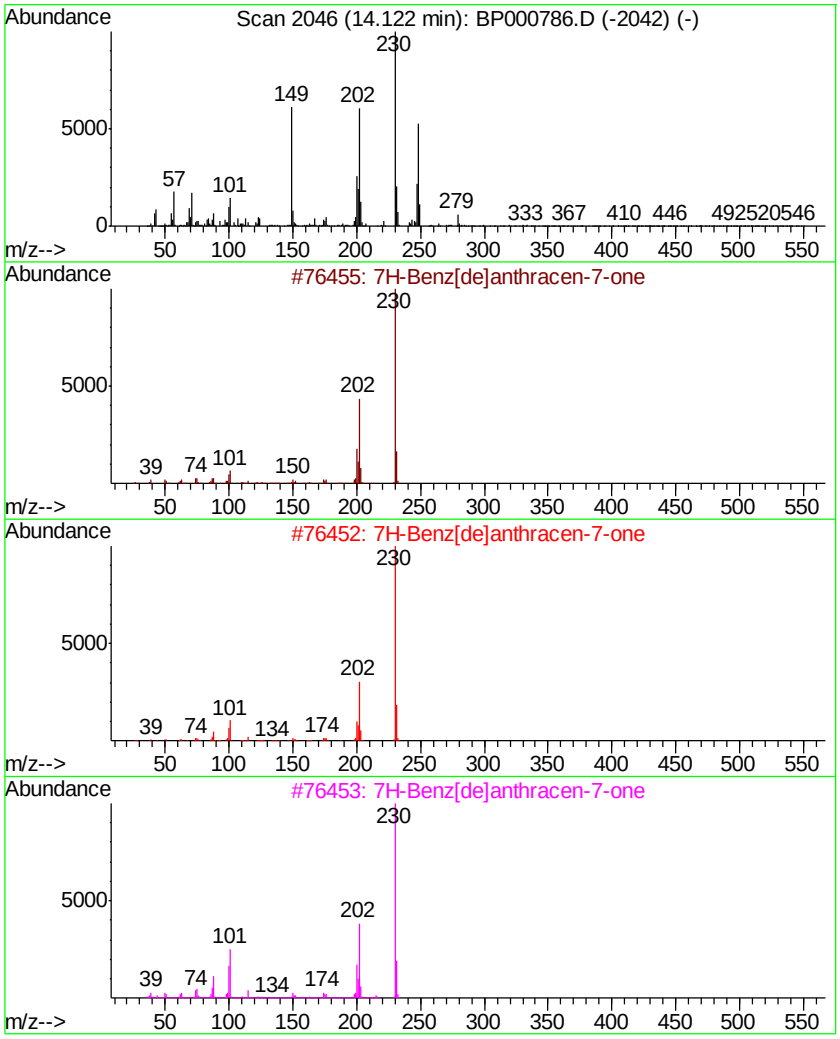
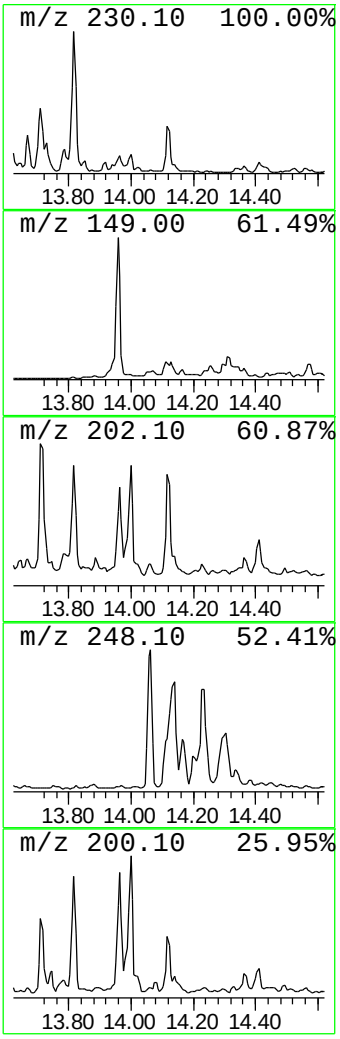
Peak Number 25 7H-Benz[de]anthracen-7-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	2.24 ng/ul	665016	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	92
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	80
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53





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Operator : JU
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Misc :
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Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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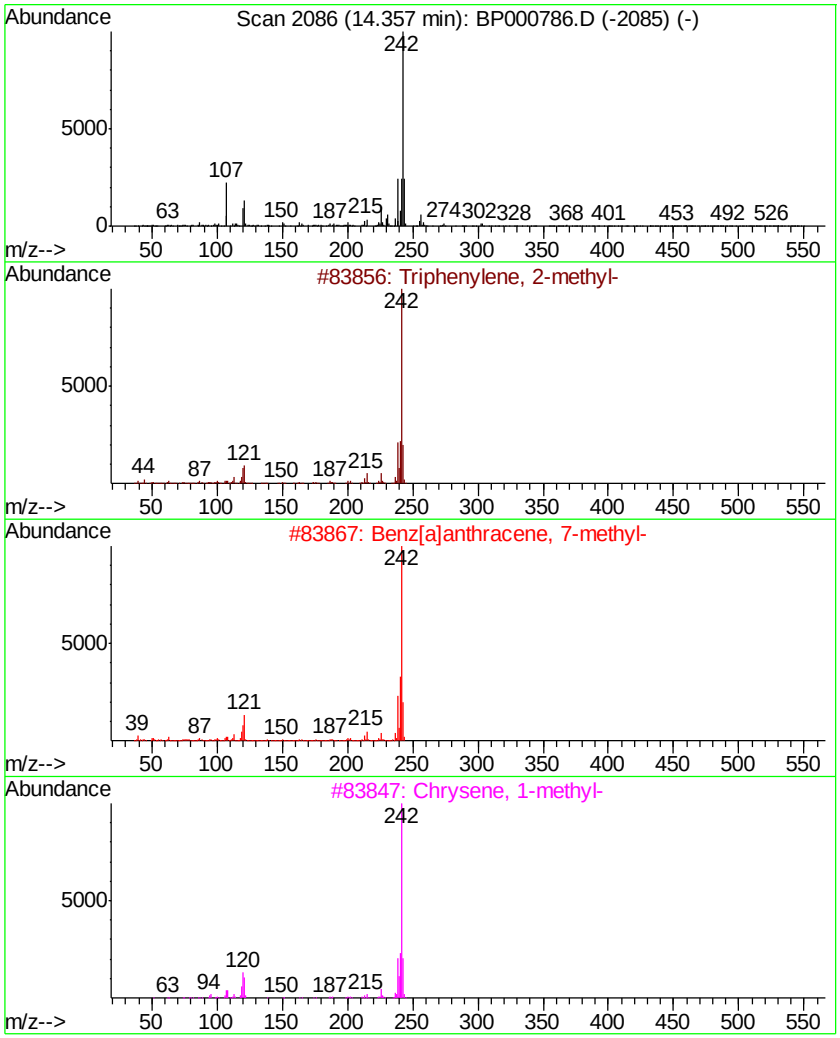
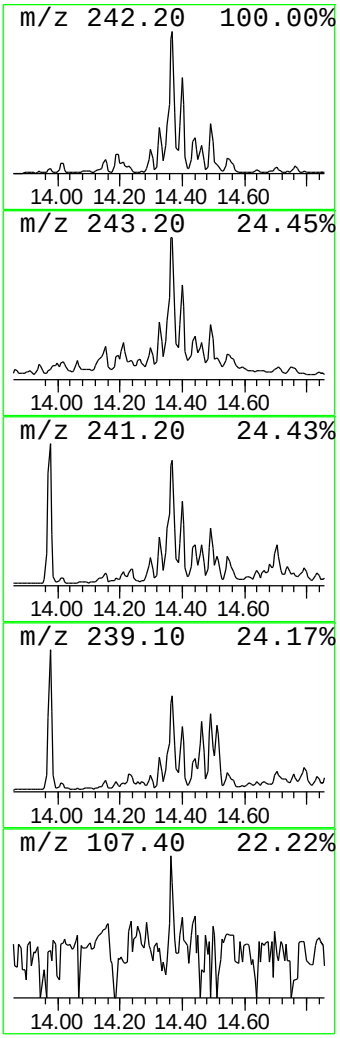
Peak Number 26 Triphenylene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	3.41 ng/ul	1010620	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	87
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86





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Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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Quant Title : SVOA CALIBRATION

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

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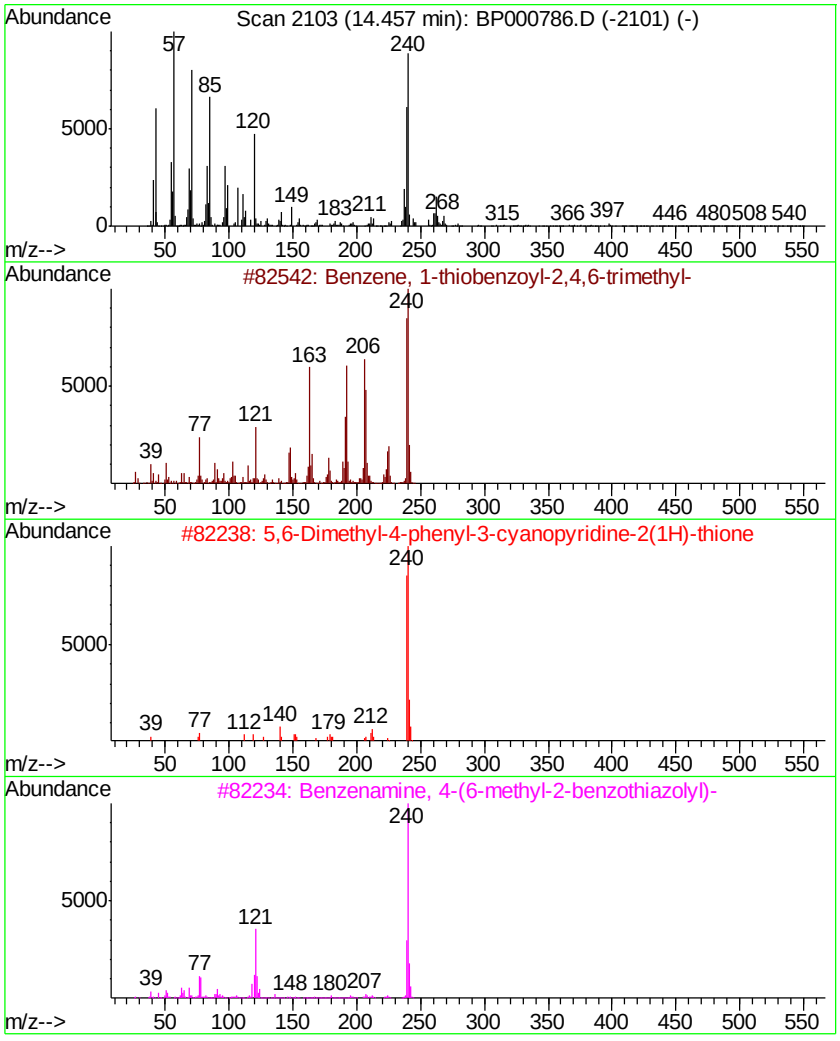
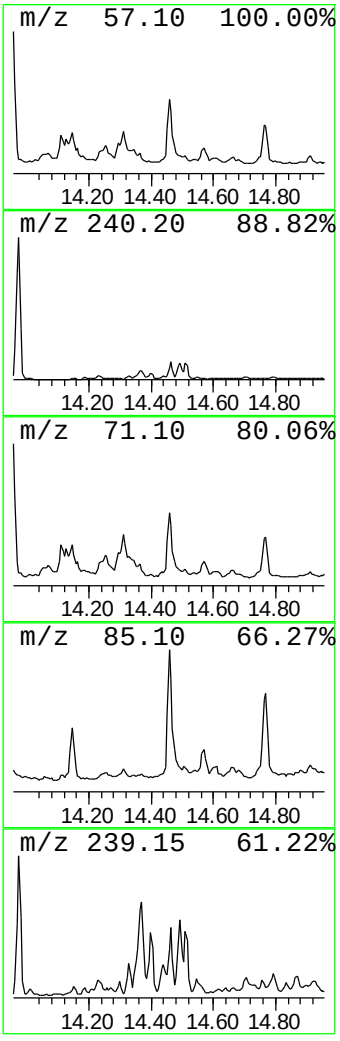
Peak Number 27 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.80 ng/ul	829255	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-thiobenzoyl-2,4,6-tri...	240	C16H16S	001143-29-9	43
2	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	38
3	Benzenamine, 4-(6-methyl-2-benzo...	240	C14H12N2S	000092-36-4	14
4	o-(2-Benzylidenehydrazino)benzoi...	240	C14H12N2O2	004036-59-3	11
5	Quinoxaline, 6-chloro-2-phenyl-	240	C14H9ClN2	025187-19-3	11





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Quant Title : SVOA CALIBRATION

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

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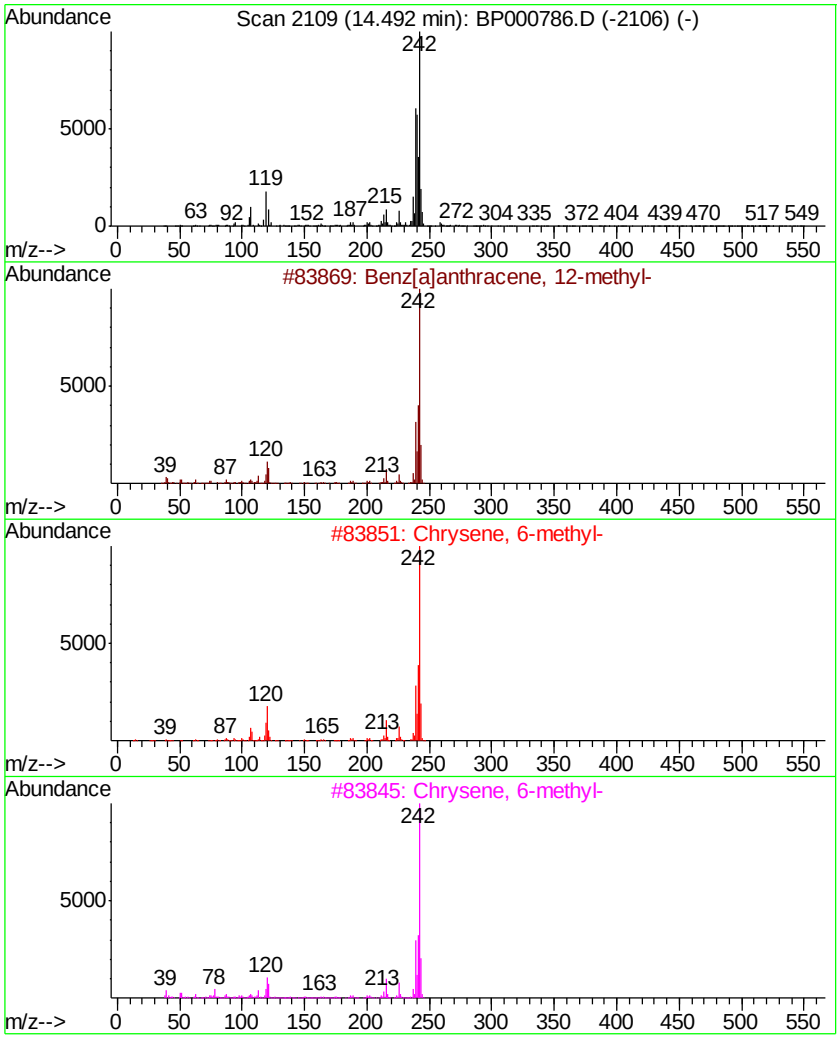
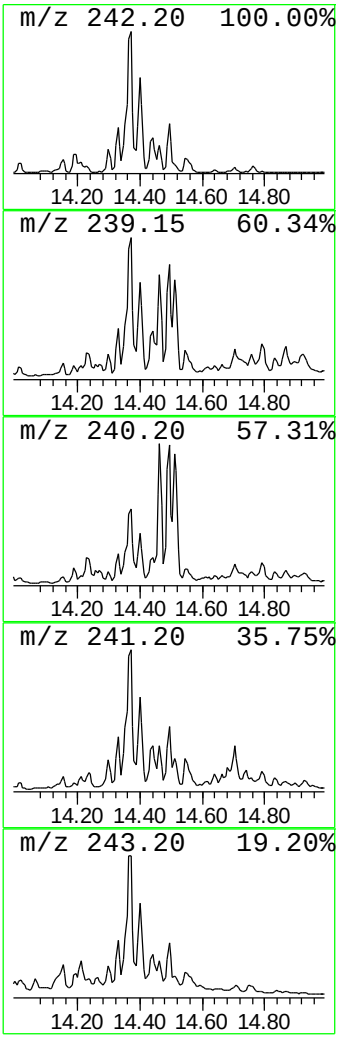
Peak Number 28 Benz[a]anthracene, 12-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.08 ng/ul	616397	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	87
2	Chrysene, 6-methyl-	242	C19H14	003697-24-3	78
3	Chrysene, 6-methyl-	242	C19H14	003697-24-3	70
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	70
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	55





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Quant Title : SVOA CALIBRATION

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

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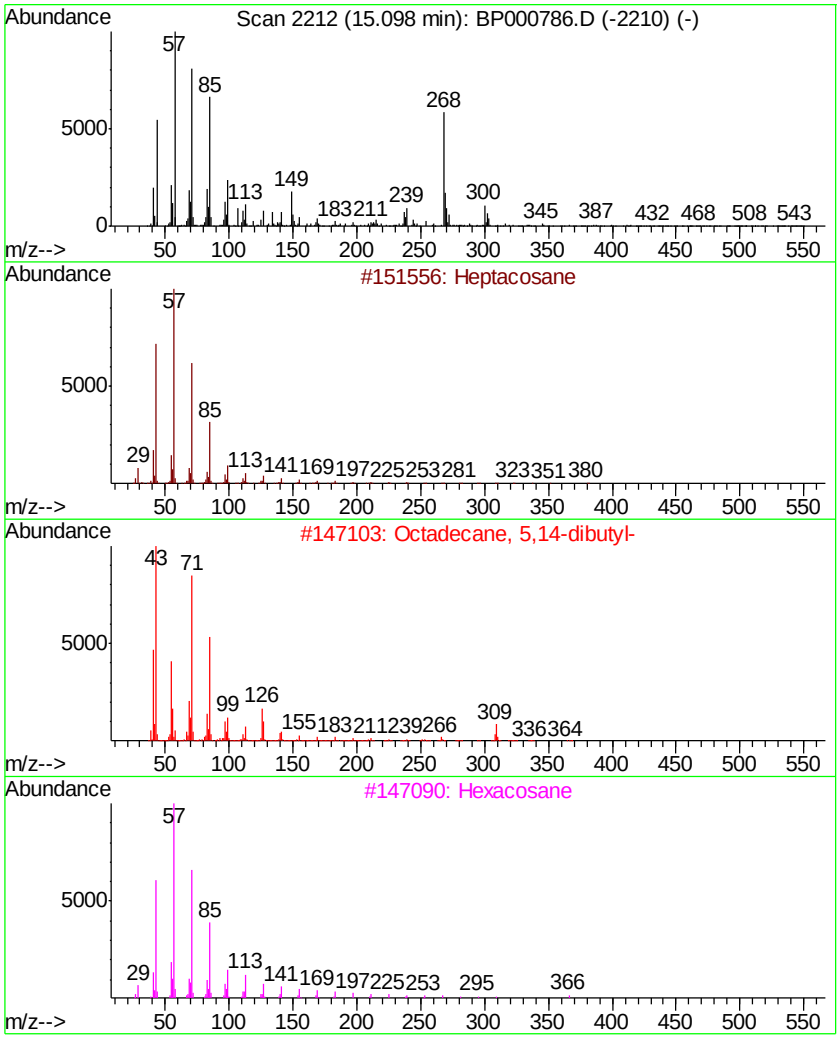
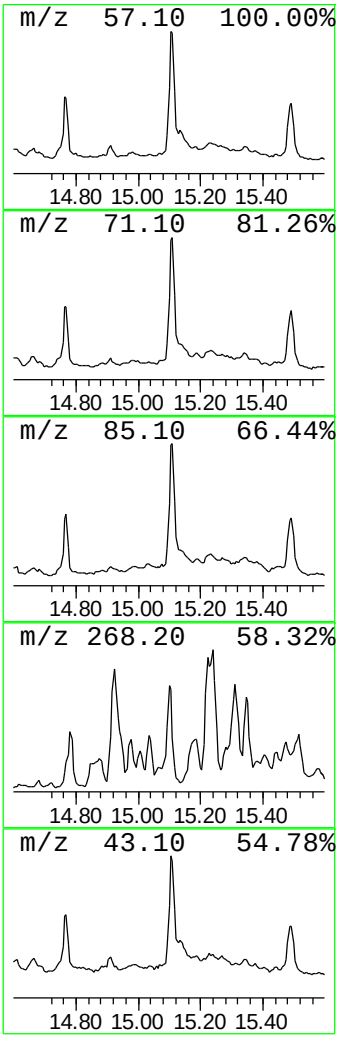
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	4.93 ng/ul	409337	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	97
2	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	86
3	Hexacosane	366	C26H54	000630-01-3	86
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	76
5	Heneicosane	296	C21H44	000629-94-7	76





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Quant Title : SVOA CALIBRATION

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

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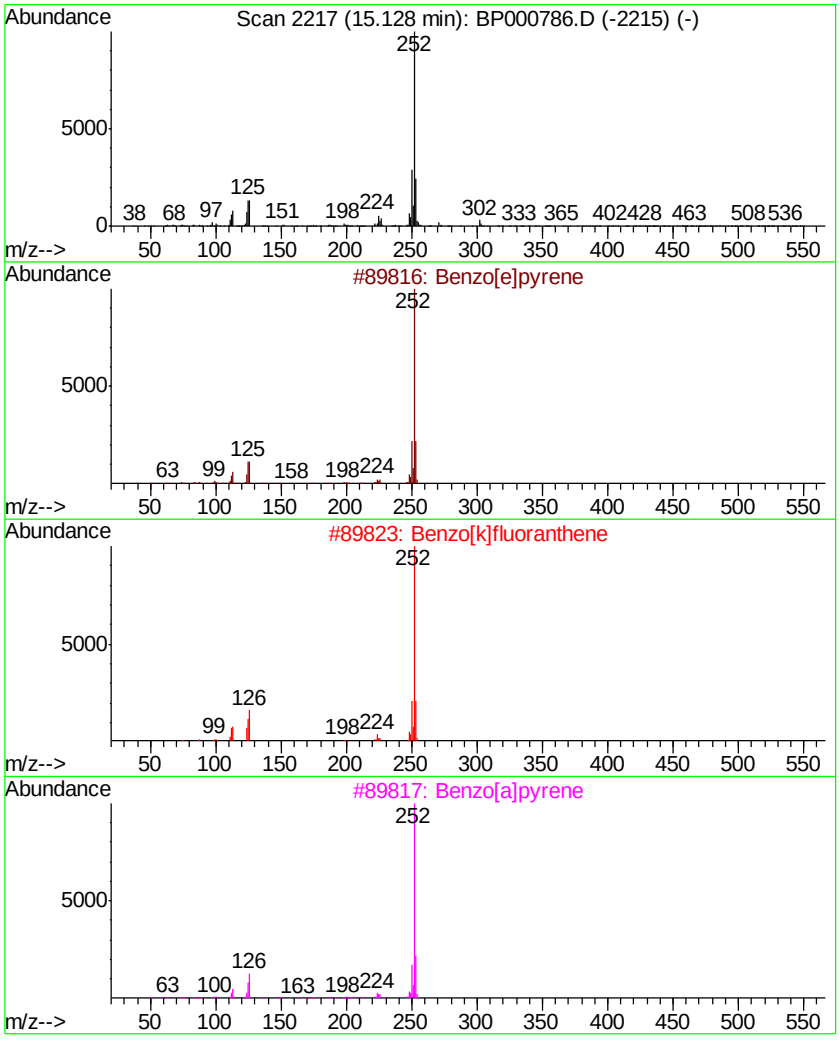
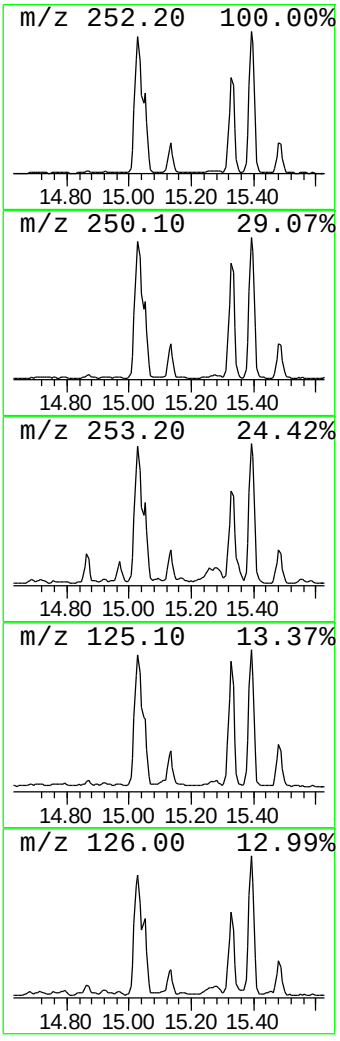
Peak Number 30 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	6.84 ng/ul	567911	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Quant Title : SVOA CALIBRATION

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

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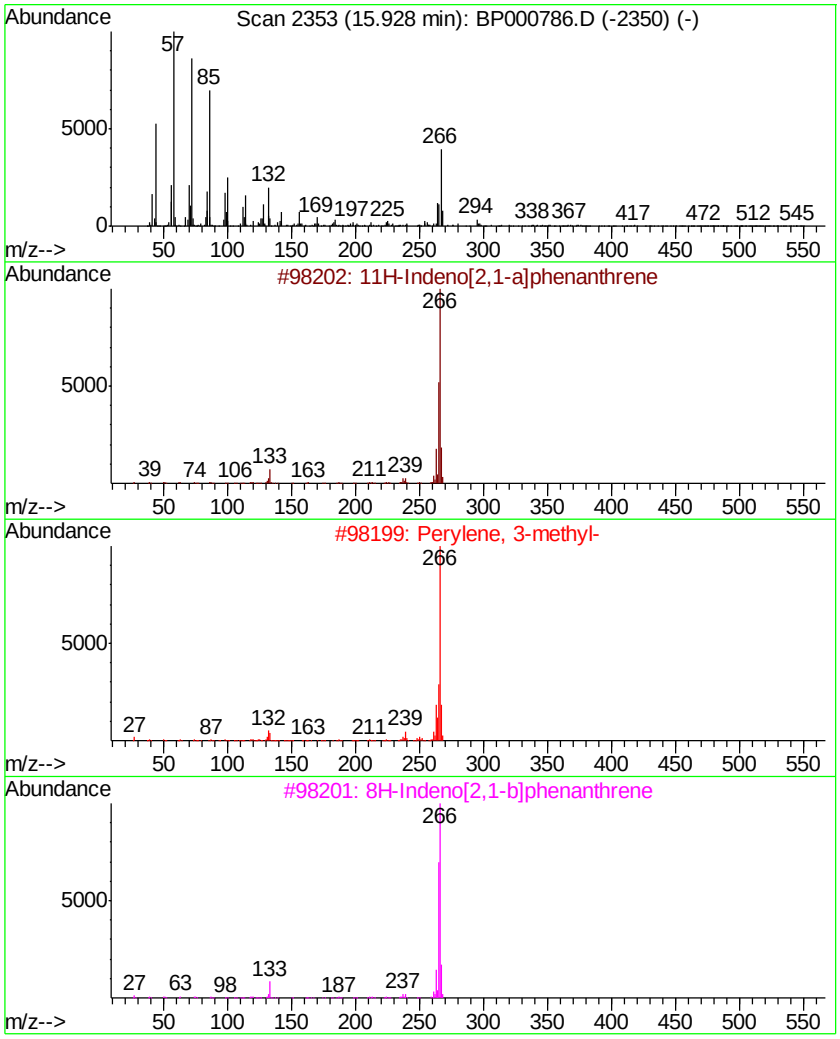
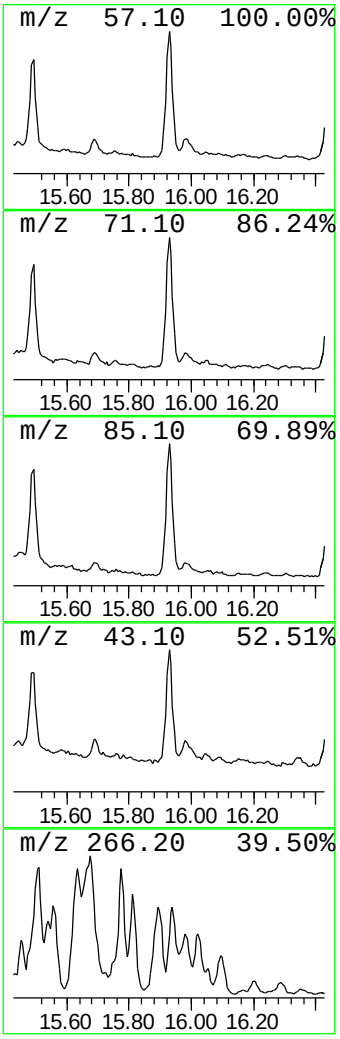
Peak Number 31 unknown-05 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	3.80 ng/ul	316035	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	35
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	35
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	25
4	1-{4-[2-(4-Methoxymethylphenyl)v...	266	C18H18O2	1000202-14-5	22
5	9,10-Anthracenedione, 1,4-bis(me...	266	C16H14N2O2	002475-44-7	22





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Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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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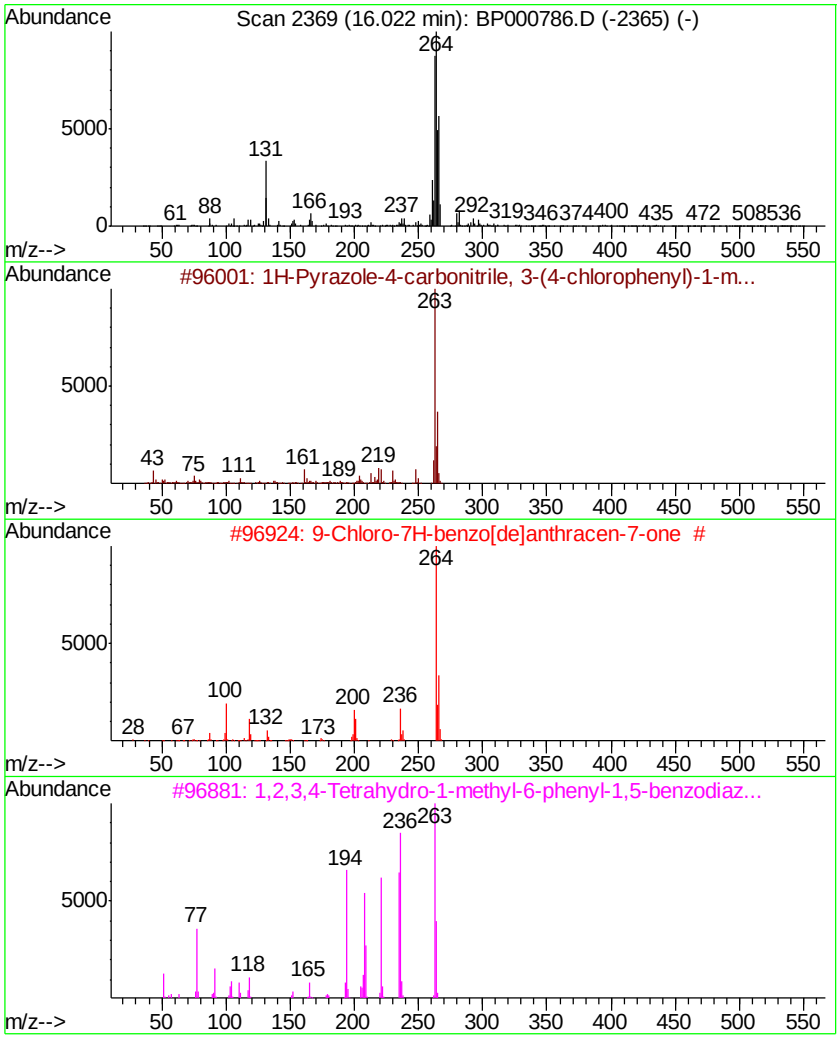
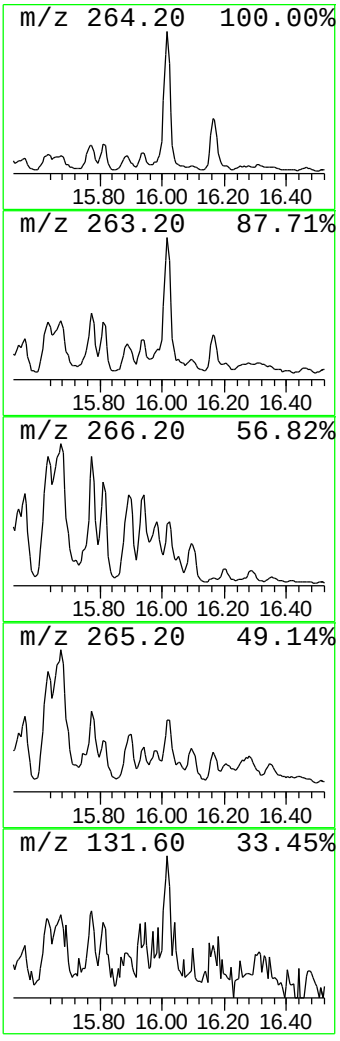
Peak Number 32 unknown-06 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	3.23 ng/ul	268132	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	27
2	9-Chloro-7H-benzo[de]anthracen-7...	264	C17H9ClO	024092-47-5	25
3	1,2,3,4-Tetrahydro-1-methyl-6-ph...	264	C17H16N2O	042717-80-6	22
4	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	22
5	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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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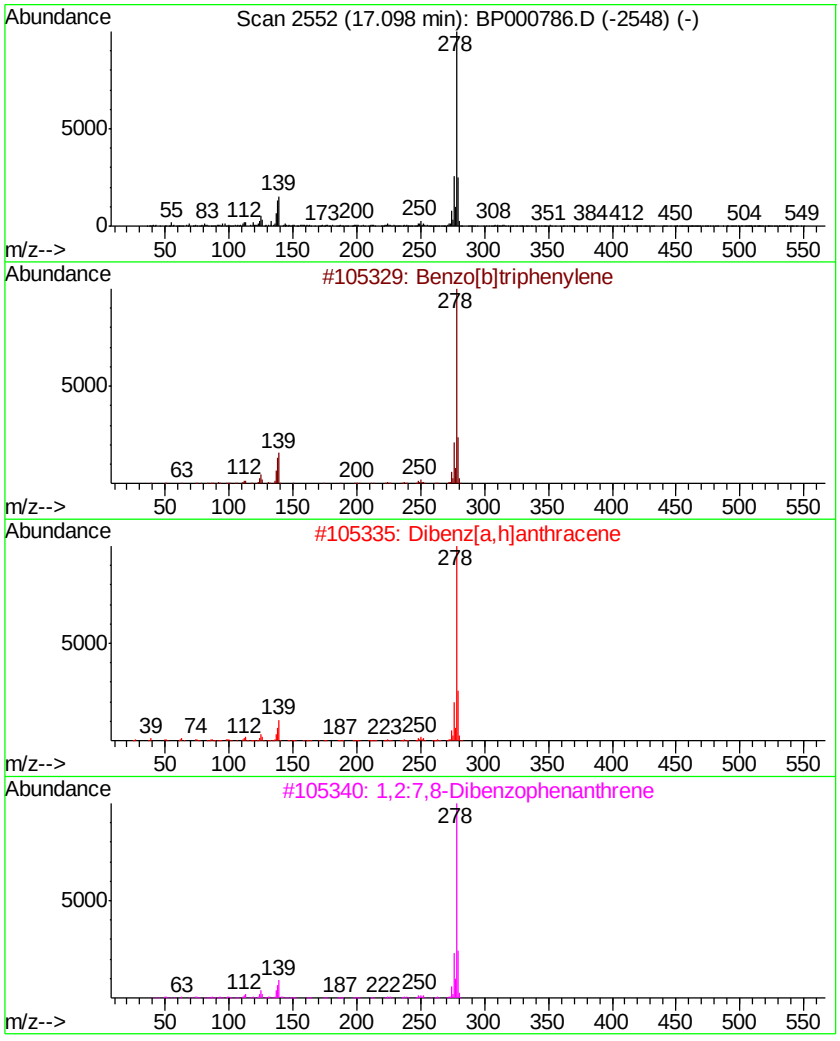
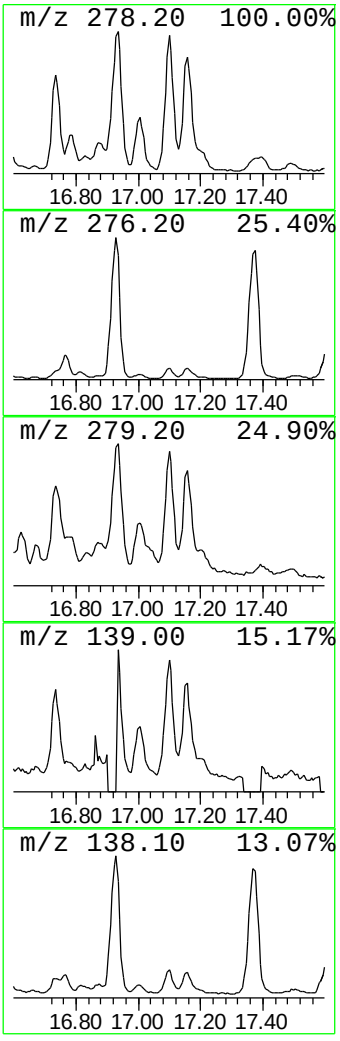
Peak Number 33 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	4.59 ng/ul	380957	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101619\
Data File : BP000786.D
Acq On : 15 Oct 2019 23:24
Operator : JU
Sample : K5178-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BEPF4

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	183154	3	9.80	1654750	20.0
1(2H)-Acenaphthyl...	10.72	2.4	ng/ul	196193	4	11.29	1669470	20.0
9H-Fluorene, 2-me...	10.90	2.1	ng/ul	174995	4	11.29	1669470	20.0
Dibenzothiophene	11.19	2.4	ng/ul	203310	4	11.29	1669470	20.0
Dibenzothiophene,...	11.63	3.0	ng/ul	247684	4	11.29	1669470	20.0
Dibenzothiophene,...	11.71	2.2	ng/ul	183548	4	11.29	1669470	20.0
Phenanthrene, 2-m...	11.80	10.3	ng/ul	860534	4	11.29	1669470	20.0
Anthracene, 2-met...	11.94	7.8	ng/ul	653456	4	11.29	1669470	20.0
Naphthalene, 2-ph...	12.10	5.2	ng/ul	435047	4	11.29	1669470	20.0
9,10-Anthracenedione	12.13	5.2	ng/ul	433323	4	11.29	1669470	20.0
Phenanthrene, 4,5...	12.25	3.0	ng/ul	251979	4	11.29	1669470	20.0
Phenanthrene, 3,6...	12.29	2.5	ng/ul	209073	4	11.29	1669470	20.0
Phenanthrene, 2,5...	12.36	10.4	ng/ul	868416	4	11.29	1669470	20.0
unknown-02	12.40	6.2	ng/ul	513672	4	11.29	1669470	20.0
Cyclopenta(def)ph...	12.45	7.7	ng/ul	641324	4	11.29	1669470	20.0
Fluoranthene, 2-m...	12.97	2.6	ng/ul	767579	5	13.97	5930990	20.0
11H-Benzo[b]fluorene	13.09	3.0	ng/ul	888549	5	13.97	5930990	20.0
Pyrene, 1-methyl-	13.19	3.1	ng/ul	929526	5	13.97	5930990	20.0
Benzo[b]naphtho[2...	13.72	3.2	ng/ul	944040	5	13.97	5930990	20.0
11H-Benzo[a]fluor...	13.82	2.6	ng/ul	759213	5	13.97	5930990	20.0
unknown-03	13.86	2.2	ng/ul	665687	5	13.97	5930990	20.0
7H-Benz[de]anthra...	14.12	2.2	ng/ul	665016	5	13.97	5930990	20.0
Triphenylene, 2-m...	14.36	3.4	ng/ul	1010620	5	13.97	5930990	20.0
unknown-04	14.46	2.8	ng/ul	829255	5	13.97	5930990	20.0
Benz[a]anthracene...	14.49	2.1	ng/ul	616397	5	13.97	5930990	20.0
(DEL) Alkane: Str...	15.10	4.9	ng/ul	409337	6	15.46	1661460	20.0
Benzo[e]pyrene	15.13	6.8	ng/ul	567911	6	15.46	1661460	20.0
unknown-05	15.93	3.8	ng/ul	316035	6	15.46	1661460	20.0
unknown-06	16.02	3.2	ng/ul	268132	6	15.46	1661460	20.0
Benzo[b]triphenylene	17.10	4.6	ng/ul	380957	6	15.46	1661460	20.0