LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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-BP090519MA.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	2.170	6	14	18	rBV	9418784	15666260	63.88%	6.282%
2	2.275	28	32	37	rVV	172176	208271	0.85%	0.084%
3	3.775	281	287	294	rBV	190085	265065	1.08%	0.106%
4	3.969	316	320	322	rVV	101711	131630	0.54%	0.053%
5	3.999	322	325	333	rVB	287879	372649	1.52%	0.149%
6	6.510	749	752	759	rBV2	1401672	1372369	5.60%	0.550%
7	6.575	759	763	767	rVV	1121416	913907	3.73%	0.366%
8	6.663	774	778	781	rBV	1552092	1256881	5.13%	0.504%
9	6.716	784	787	798	rVB	120690	117545	0.48%	0.047%
10	6.899	814	818	821	rVV	2102454	1845729	7.53%	0.740%
11	7.263	876	880	883	rBV	1765917	1431463	5.84%	0.574%
12	7.293	883	885	890	rVV	140301	125806	0.51%	0.050%
13	7.452	908	912	915	rBV	1348581	1088003	4.44%	0.436%
14	7.775	964	967	971	rBV	1107072	887095	3.62%	0.356%
15	8.016	1005	1008	1016	rBV	1735645	1462875	5.97%	0.587%
16	8.181	1032	1036	1038	rBV	3213798	2472536	10.08%	0.991%
17	8.199	1038	1039	1042	rVV	400811	299591	1.22%	0.120%
18	8.234	1042	1045	1061	rVB	362965	379267	1.55%	0.152%
19	8.899	1154	1158	1161	rVV	188968	155920	0.64%	0.063%
20	9.457	1251	1253	1258	rBV	191337	172554	0.70%	0.069%
21	9.534	1261	1266	1268	rBV2	111366	148184	0.60%	0.059%
22	9.634	1280	1283	1285	rVV	2456489	1908666	7.78%	0.765%
23	9.657	1285	1287	1291	rVB	595933	464947	1.90%	0.186%
24	9.793	1306	1310	1316	rBV	3096829	2687542	10.96%	1.078%
25	9.951	1333	1337	1339	rBV	3202098	2777771	11.33%	1.114%
26	9.981	1339	1342	1346	rVV	3306743	2897929	11.82%	1.162%
27	10.040	1349	1352	1362	rVB2	446105	695582	2.84%	0.279%
28	10.151	1368	1371	1377	rVB	408854	413314	1.69%	0.166%
29	10.475	1422	1426	1429	rBV	3055862	2803513	11.43%	1.124%
30	10.498	1429	1430	1434	rVB	414479	344767	1.41%	0.138%
31	10.546	1434	1438	1441	rBV	401463	539557	2.20%	0.216%
32	10.569	1441	1442	1444	rVV	254821	172895	0.71%	0.069%
33	10.593	1444	1446	1449	rVV2	196420	194244	0.79%	0.078%
34	10.869	1487	1493	1501	rBV	474033	554922	2.26%	0.223%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
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Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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-BP090519MA.M
Title : SVOA CALIBRATION

35	11.257	1555	1559	1564	rVB	347327	351386	1.43%	0.141%
36	11.310	1564	1568	1572	rBV4	103428	156393	0.64%	0.063%
37	11.351	1572	1575	1581	rVB	518891	514917	2.10%	0.206%
38	11.457	1589	1593	1595	rBV	2898153	3129439	12.76%	1.255%
39	11.487	1595	1598	1600	rVV	6581773	6594612	26.89%	2.644%
40	11.516	1600	1603	1605	rVV	2754632	2982891	12.16%	1.196%
41	11.534	1605	1606	1609	rVB	1918282	1158132	4.72%	0.464%
42	11.563	1609	1611	1616	rVB	328917	345790	1.41%	0.139%
43	11.687	1627	1632	1640	rBV	962884	1196519	4.88%	0.480%
44	11.793	1647	1650	1656	rVB	525431	514519	2.10%	0.206%
45	11.881	1658	1665	1669	rVB	469833	632584	2.58%	0.254%
46	11.969	1674	1680	1683	rBV	2067263	2291723	9.35%	0.919%
47	11.998	1683	1685	1690	rVB	3284990	3045017	12.42%	1.221%
48	12.045	1690	1693	1696	rBV	382947	336469	1.37%	0.135%
49	12.081	1696	1699	1702	rBV2	1211813	1539520	6.28%	0.617%
50	12.104	1702	1703	1708	rVB	882109	664279	2.71%	0.266%
51	12.175	1712	1715	1718	rVB2	144286	140888	0.57%	0.056%
52	12.210	1718	1721	1724	rBV	309952	296749	1.21%	0.119%
53	12.269	1727	1731	1733	rBV	768155	768670	3.13%	0.308%
54	12.304	1733	1737	1742	rVB2	750054	1113778	4.54%	0.447%
55	12.345	1742	1744	1746	rBV	243958	206029	0.84%	0.083%
56	12.375	1746	1749	1752	rBV	283361	303352	1.24%	0.122%
57	12.422	1752	1757	1760	rBV2	1058394	1229279	5.01%	0.493%
58	12.457	1760	1763	1765	rBV	1601897	1545247	6.30%	0.620%
59	12.481	1765	1767	1772	rVB	1347196	1390842	5.67%	0.558%
60	12.534	1772	1776	1779	rBV	1515626	1887251	7.70%	0.757%
61	12.569	1779	1782	1784	rBV2	485821	527536	2.15%	0.212%
62	12.592	1784	1786	1788	rVB	467922	375862	1.53%	0.151%
63	12.622	1788	1791	1796	rVB2	967997	1121995	4.58%	0.450%
64	12.663	1796	1798	1800	rBV	289566	255550	1.04%	0.102%
65	12.710	1800	1806	1810	rBV	9103491	12449410	50.77%	4.992%
66	12.751	1810	1813	1814	rBV	227717	233707	0.95%	0.094%
67	12.857	1827	1831	1835	rBV2	744247	1275096	5.20%	0.511%
68	12.892	1835	1837	1838	rVV2	363562	321879	1.31%	0.129%
69	12.945	1838	1846	1851	rVV3	10056313	19674144	80.23%	7.889%
70	12.998	1851	1855	1859	rVB2	1250900	1755737	7.16%	0.704%
71	13.051	1859	1864	1866	rBV2	730754	1270082	5.18%	0.509%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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-BP090519MA.M
Title : SVOA CALIBRATION

72	13.075	1866	1868	1870	rVV	578706	609986	2.49%	0.245%
73	13.098	1870	1872	1877	rVB2	773353	1057917	4.31%	0.424%
74	13.163	1877	1883	1890	rBV5	1183329	2757780	11.25%	1.106%
75	13.216	1890	1892	1895	rBV	509186	432069	1.76%	0.173%
76	13.275	1895	1902	1906	rVB	1562083	2827300	11.53%	1.134%
77	13.322	1906	1910	1911	rBV	300586	368919	1.50%	0.148%
78	13.345	1911	1914	1916	rVV	570433	585348	2.39%	0.235%
79	13.387	1916	1921	1932	rVB2	4728853	8034679	32.76%	3.222%
80	13.481	1932	1937	1939	rBV	1899279	2411125	9.83%	0.967%
81	13.510	1939	1942	1946	rVB	1549424	1823144	7.43%	0.731%
82	13.545	1946	1948	1953	rVB2	647922	796725	3.25%	0.319%
83	13.598	1954	1957	1961	rBV2	373399	518271	2.11%	0.208%
84	13.634	1961	1963	1965	rBV2	141378	125210	0.51%	0.050%
85	13.669	1965	1969	1970	rBV2	435741	584474	2.38%	0.234%
86	13.734	1978	1980	1985	rVB5	830488	1008521	4.11%	0.404%
87	13.810	1985	1993	2000	rBV2	2070286	4244063	17.31%	1.702%
88	13.869	2000	2003	2007	rVB	951265	1255611	5.12%	0.503%
89	13.922	2007	2012	2019	rBV3	3993288	8574485	34.96%	3.438%
90	13.992	2019	2024	2027	rVV4	804472	1654009	6.74%	0.663%
91	14.034	2027	2031	2037	rVB2	930146	1749486	7.13%	0.701%
92	14.092	2038	2041	2044	rBV	478938	595312	2.43%	0.239%
93	14.187	2049	2057	2060	rBV2	6604079	15282234	62.32%	6.128%
94	14.222	2060	2063	2070	rVV	7173826	14787076	60.30%	5.929%
95	14.281	2070	2073	2079	rVV3	1651277	3367556	13.73%	1.350%
96	14.357	2082	2086	2094	rVB3	1930368	4092035	16.69%	1.641%
97	14.522	2110	2114	2115	rBV3	675850	878340	3.58%	0.352%
98	14.604	2122	2128	2148	rBV3	4099760	17615718	71.83%	7.063%
99	14.981	2184	2192	2196	rBV5	2024561	6011376	24.51%	2.410%
100	15.363	2247	2257	2282	rVB2	4723674	24523198	100.00%	9.833%

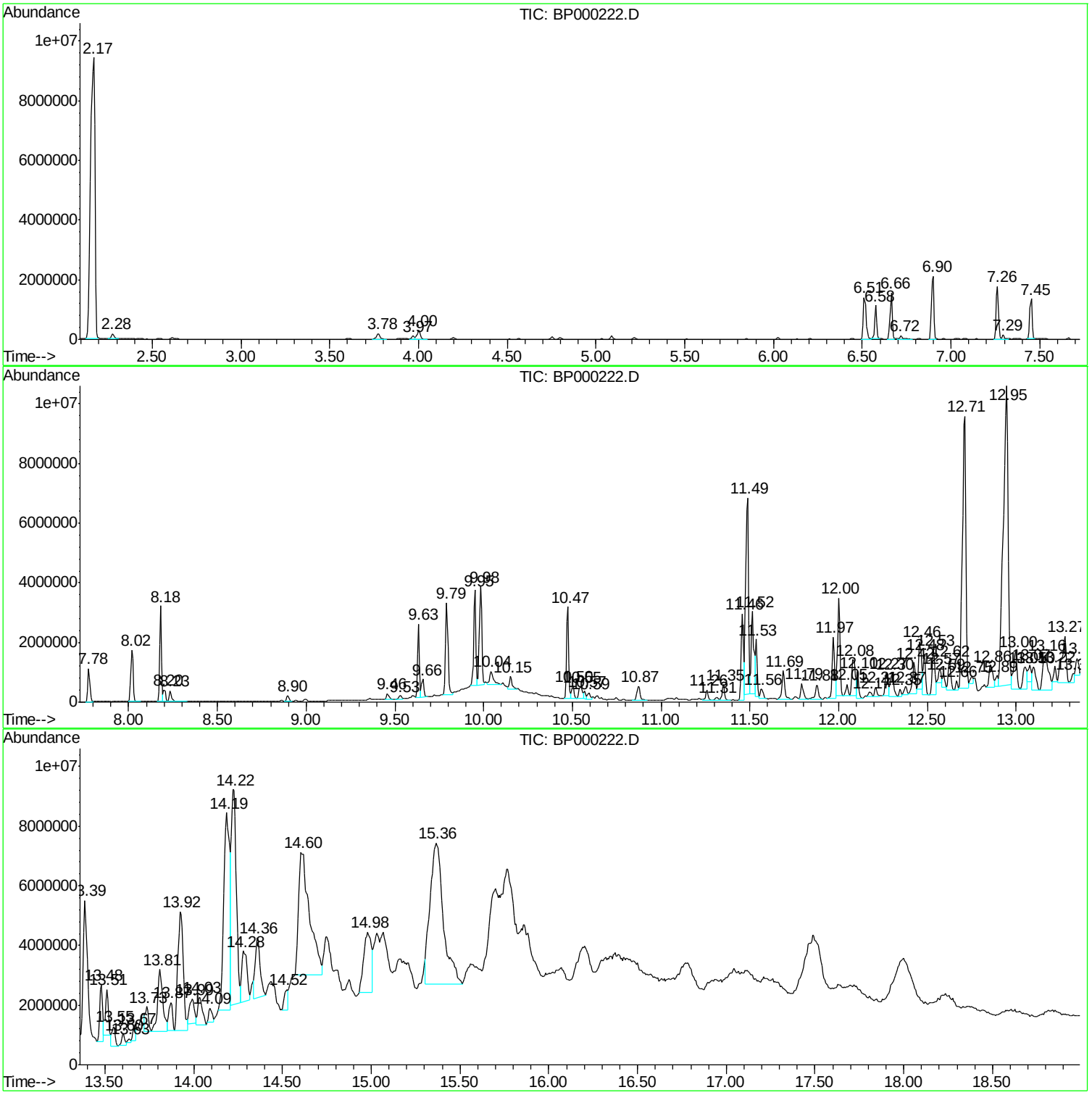
Sum of corrected areas: 249398489

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.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\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
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Misc :
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Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

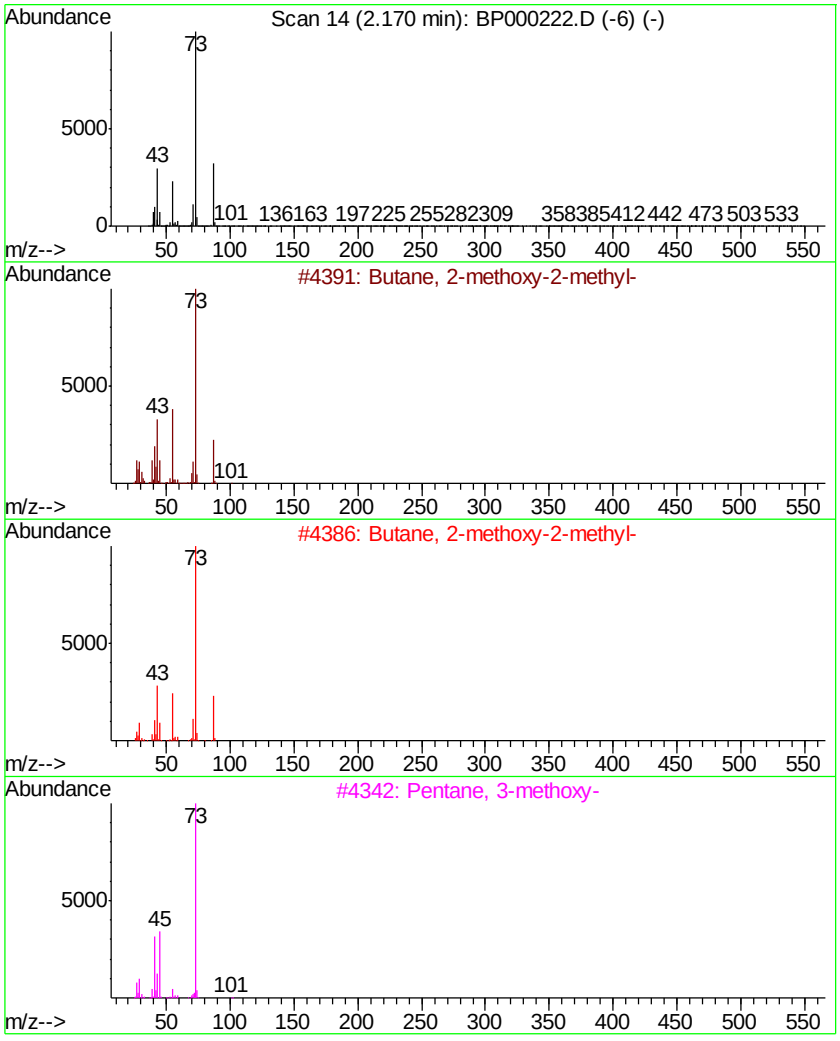
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

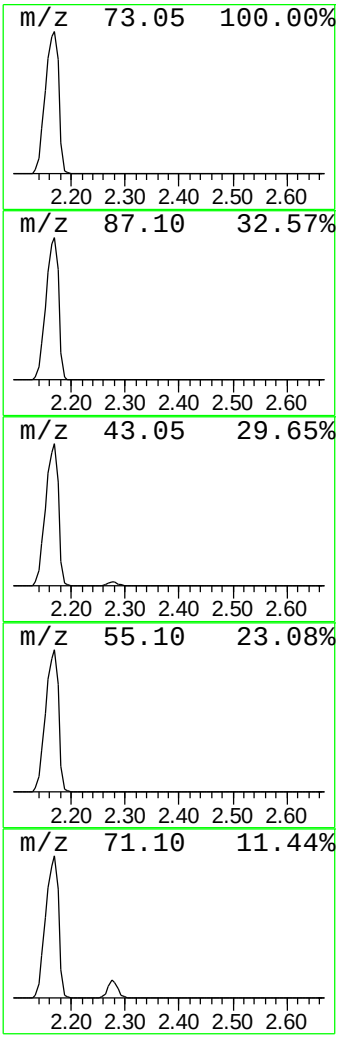
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	169.76 ng/ul	15666300	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

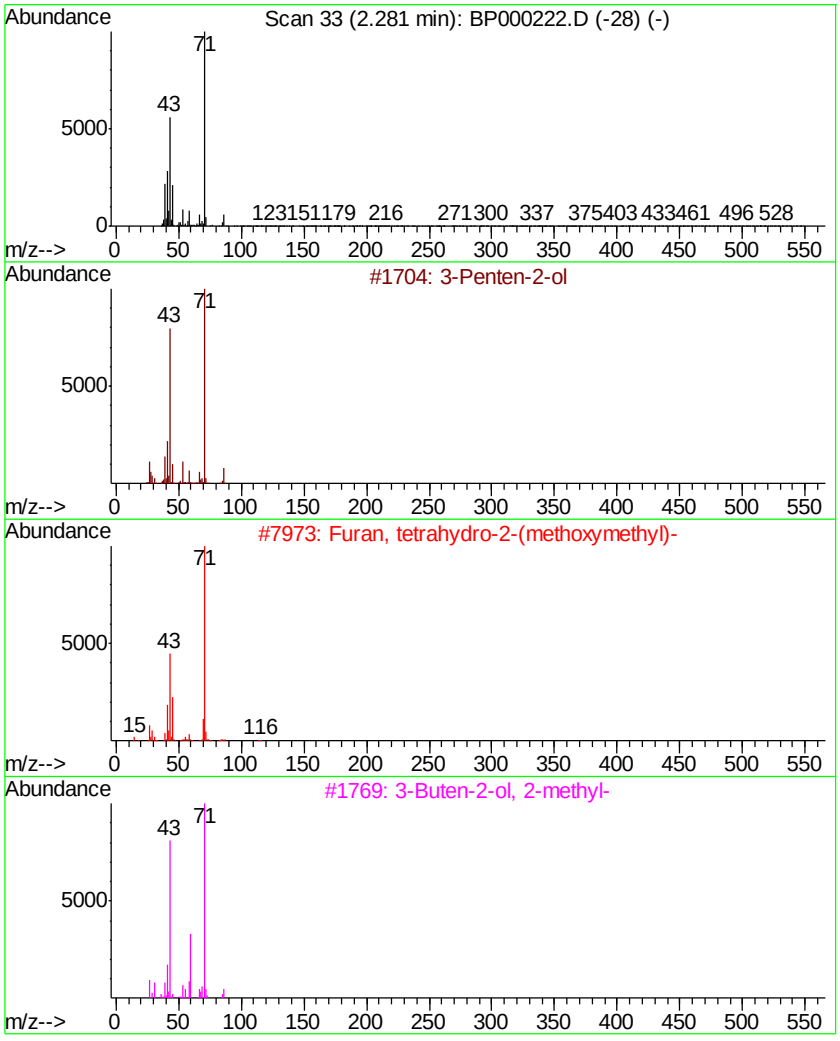
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

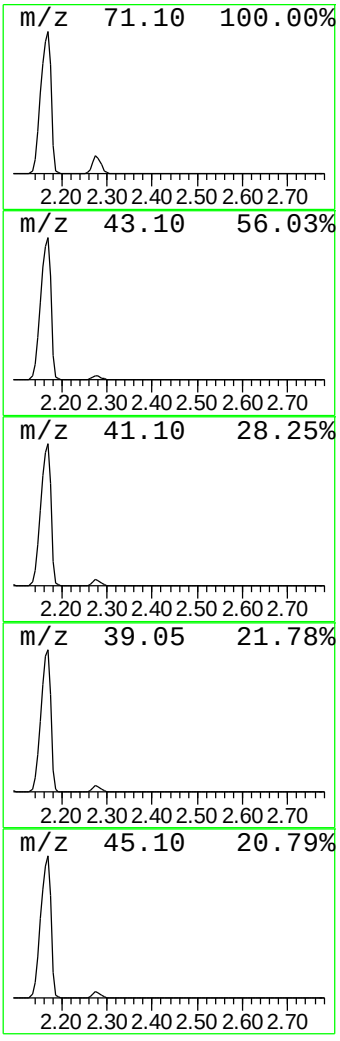
****

Peak Number 2 3-Penten-2-ol Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	2.26 ng/ul	208271	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol	86	C5H10O	001569-50-2	83
2	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	64
4	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	50
5	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

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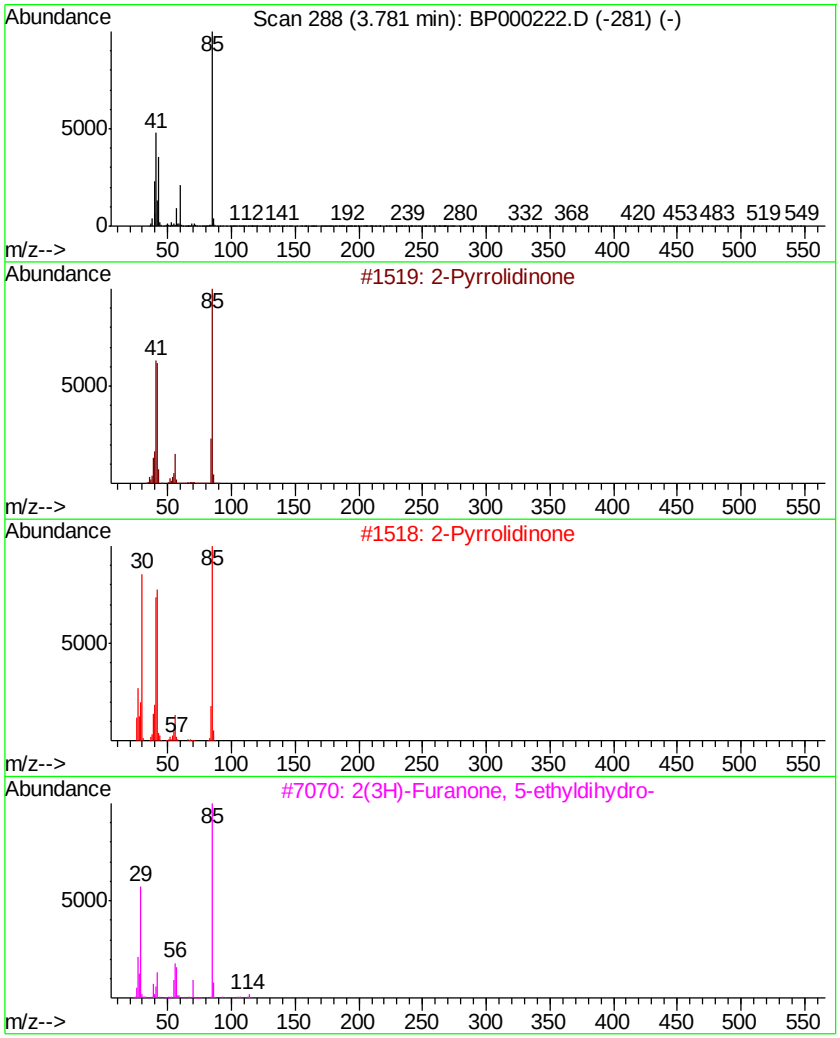
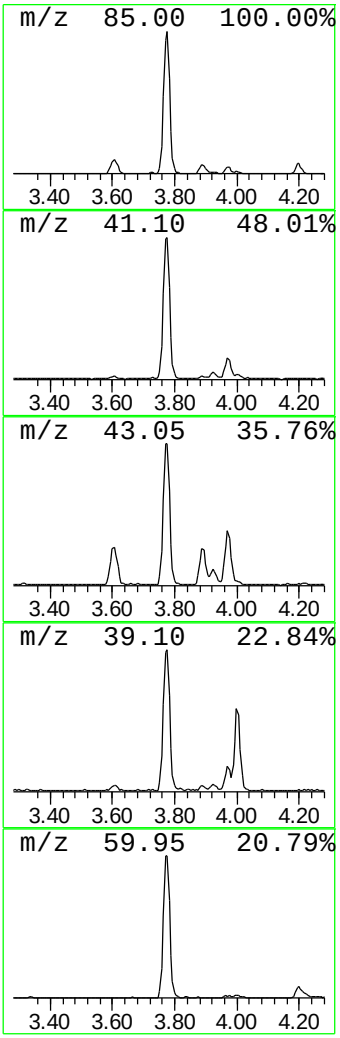
Peak Number 3 2-Pyrrolidinone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	2.87 ng/ul	265065	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
3	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	9
4	1-Amino-2-butanol	89	C4H11NO	013552-21-1	9
5	3H-1,2,4-Triazol-3-one, 1,2-dihy...	85	C2H3N3O	000930-33-6	5





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

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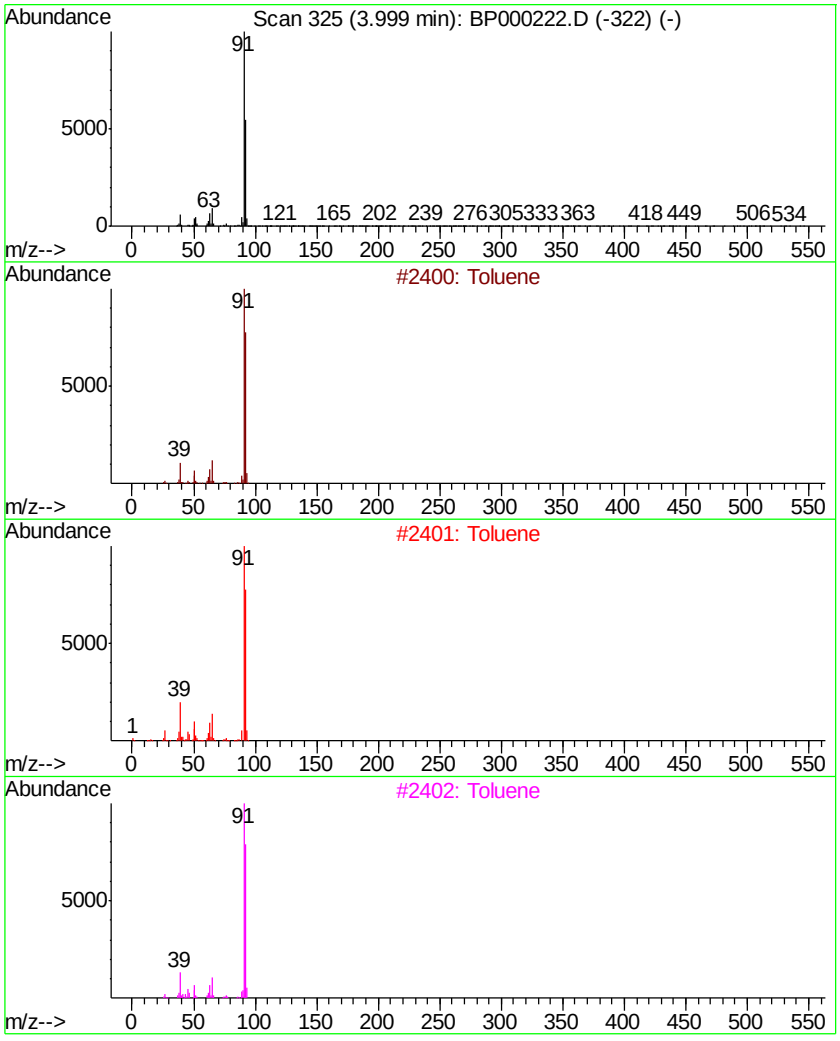
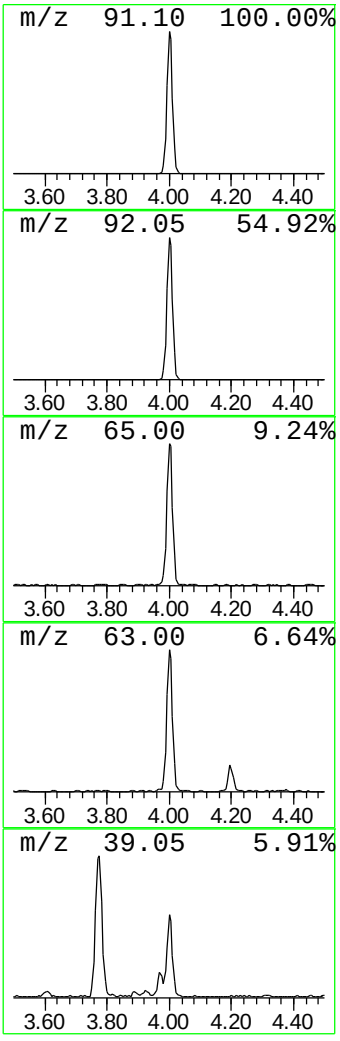
Peak Number 4 Toluene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	4.04 ng/ul	372649	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
5	Toluene	92	C7H8	000108-88-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

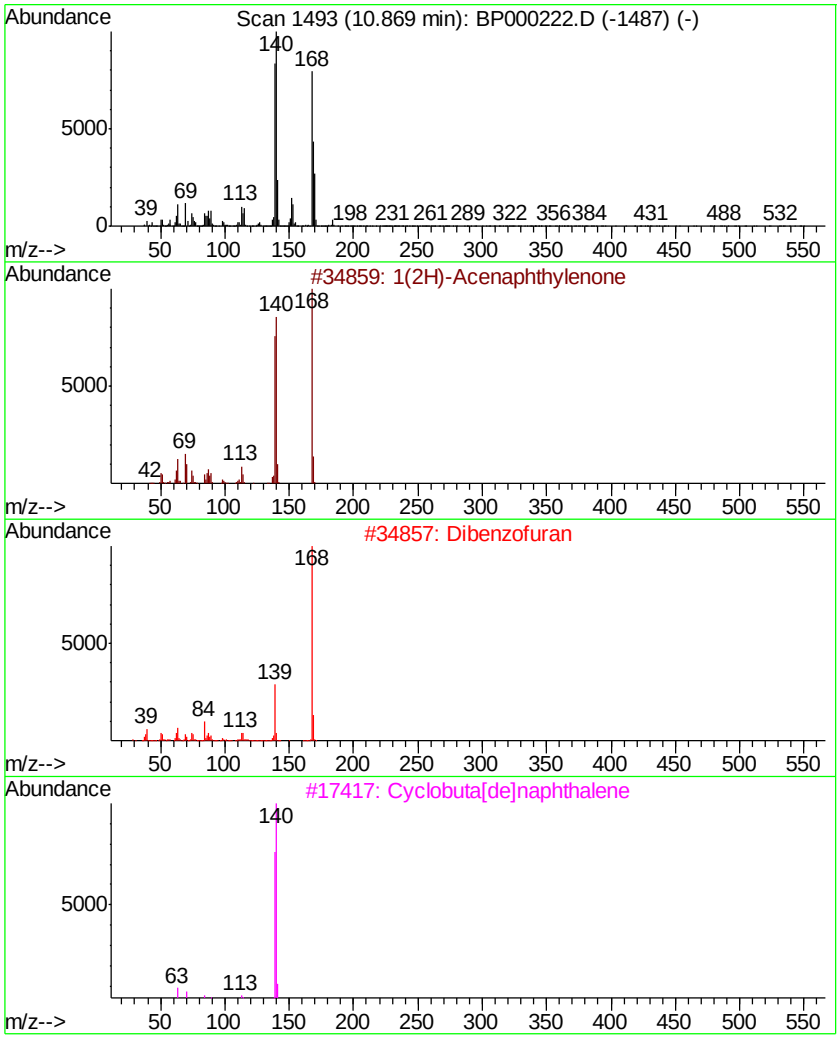
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

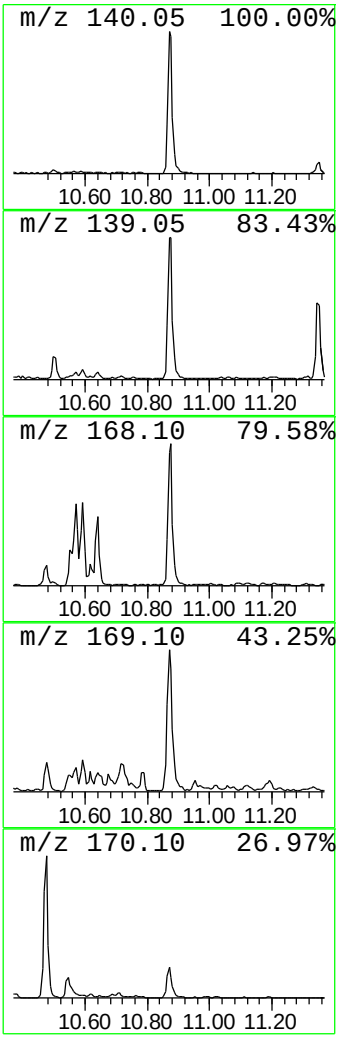
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	3.55 ng/ul	554922	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	Dibenzofuran	168	C12H8O	000132-64-9	43
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	43
5	Dibenzofuran	168	C12H8O	000132-64-9	38





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Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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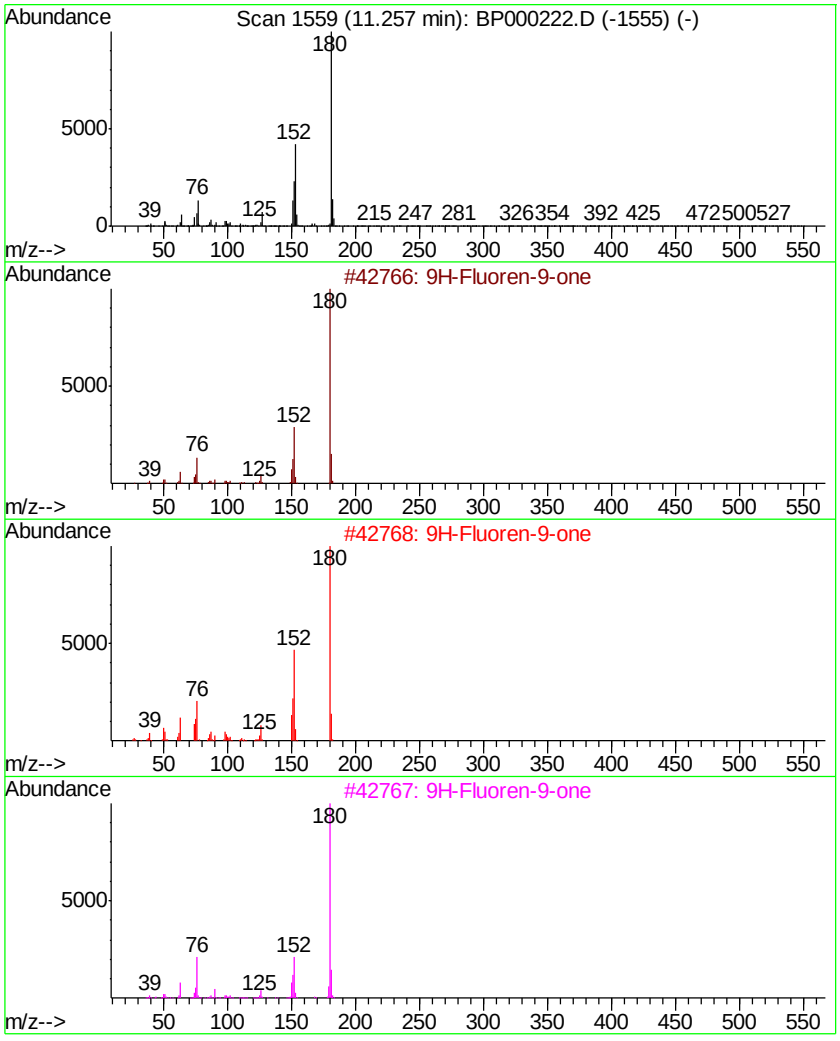
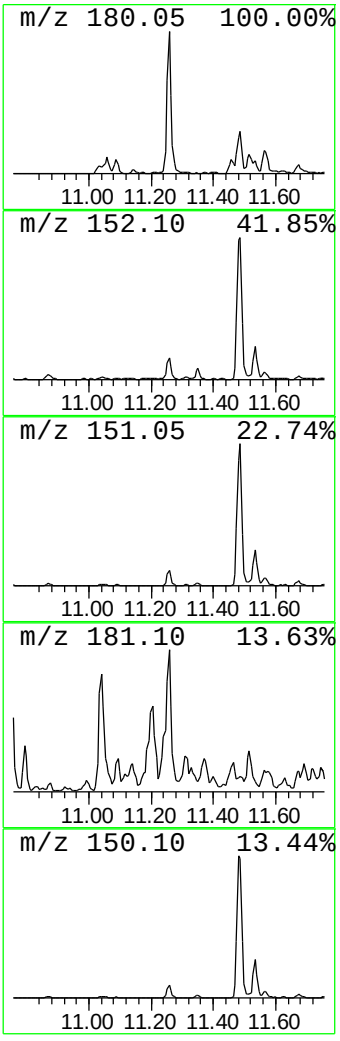
Peak Number 6 9H-Fluoren-9-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.25 ng/ul	351386	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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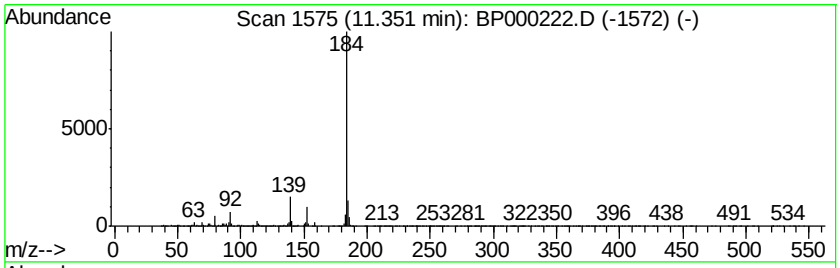
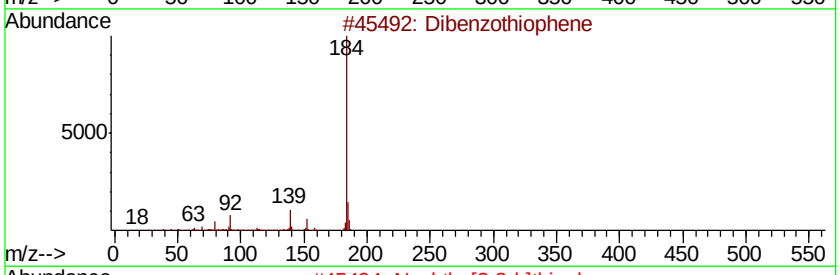
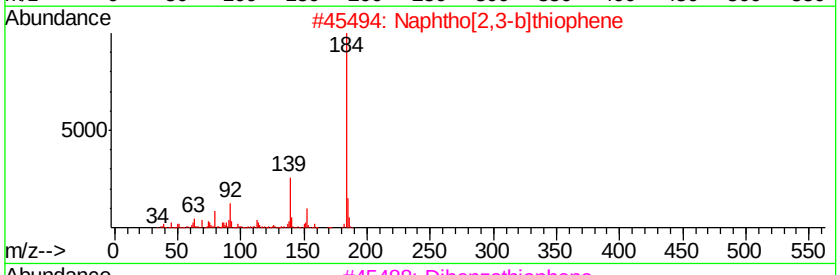
Peak Number 7 Dibenzothiophene Concentration Rank 26

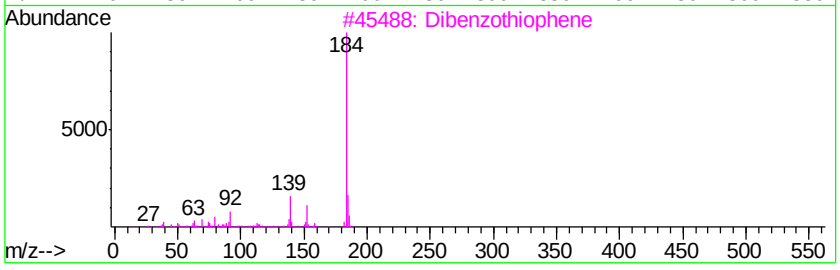
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	3.29 ng/ul	514917	Phenanthrene-d10	11.46

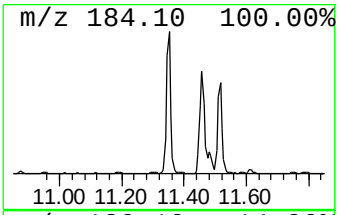
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	91

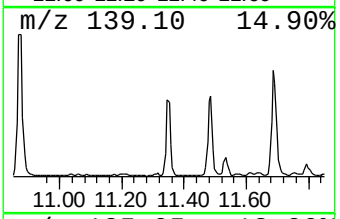


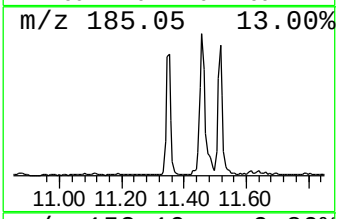


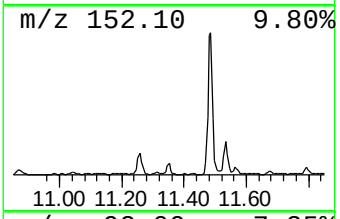


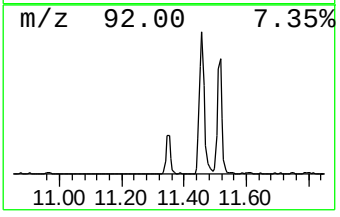












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Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

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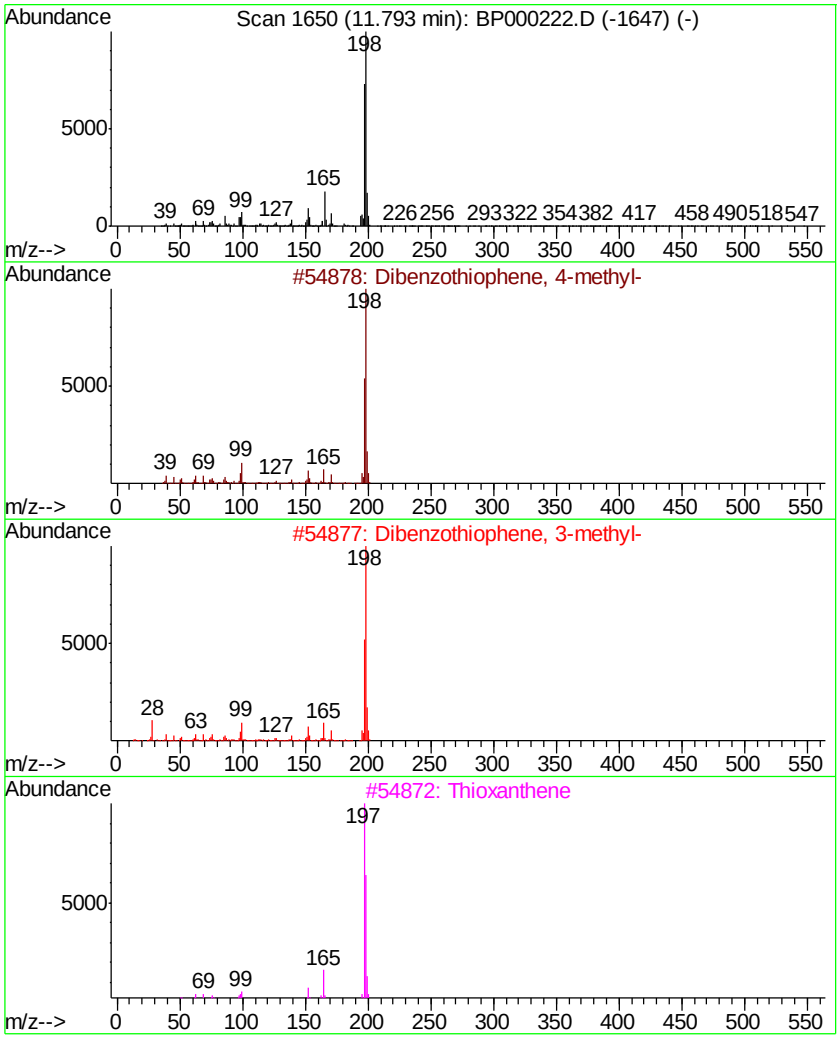
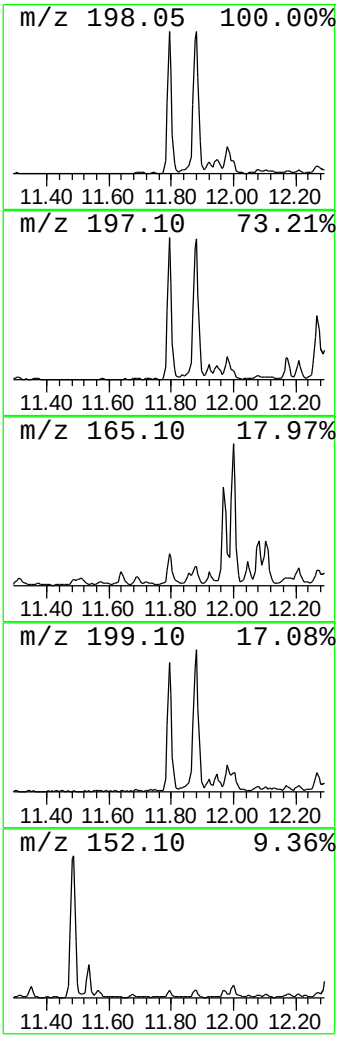
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.29 ng/ul	514519	Phenanthrene-d10	11.46

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	Thioxanthene	198	C13H10S	000261-31-4	90
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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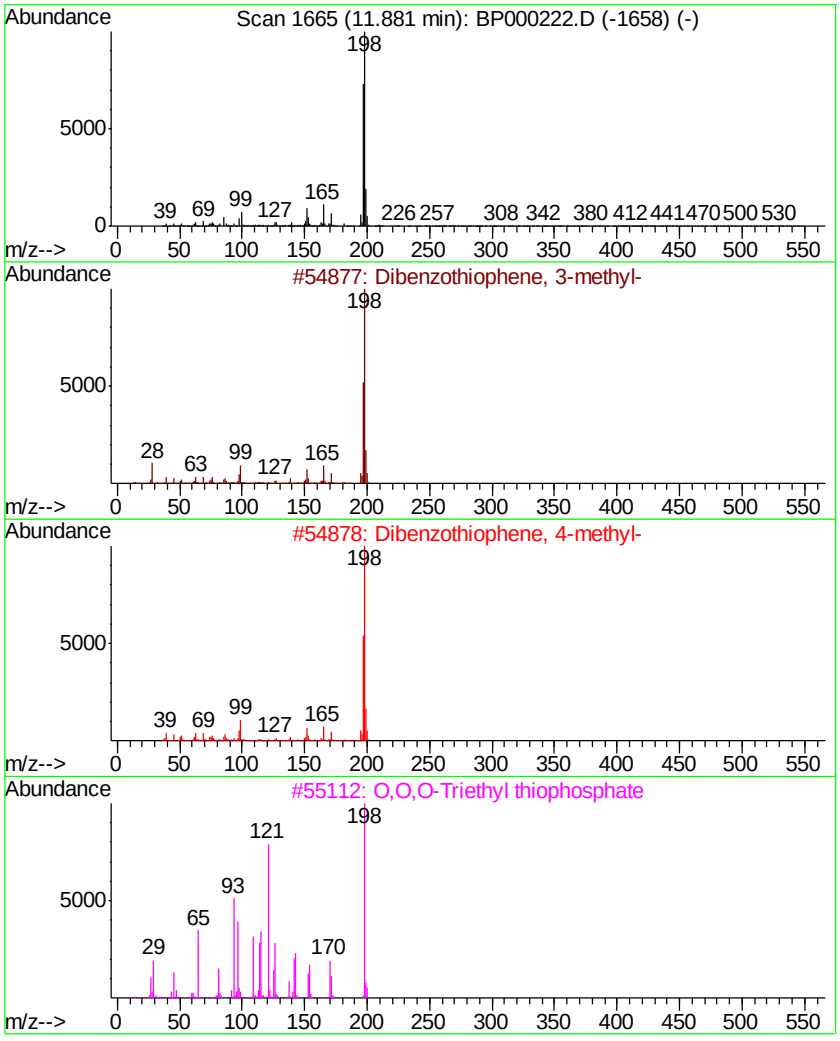
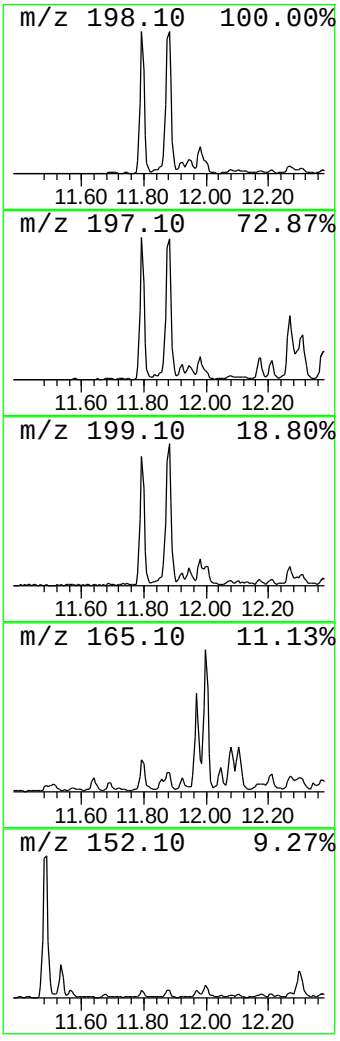
Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.04 ng/ul	632584	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	87
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72





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Quant Title : SVOA CALIBRATION

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

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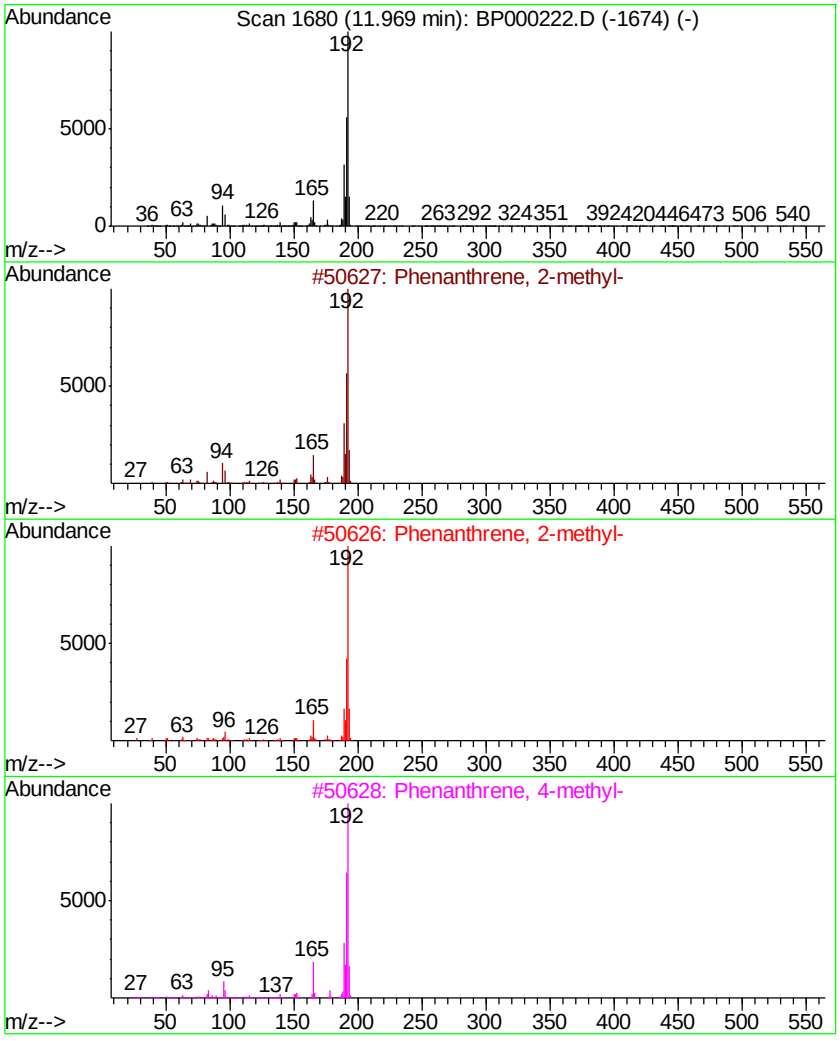
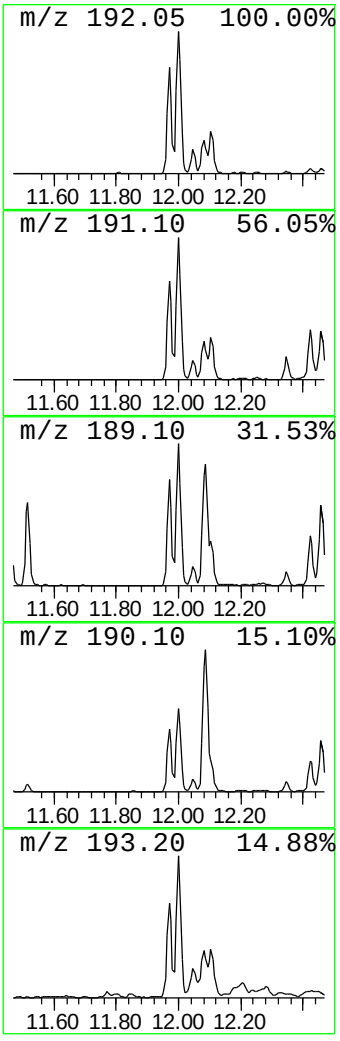
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	14.65 ng/ul	2291720	Phenanthrene-d10	11.46

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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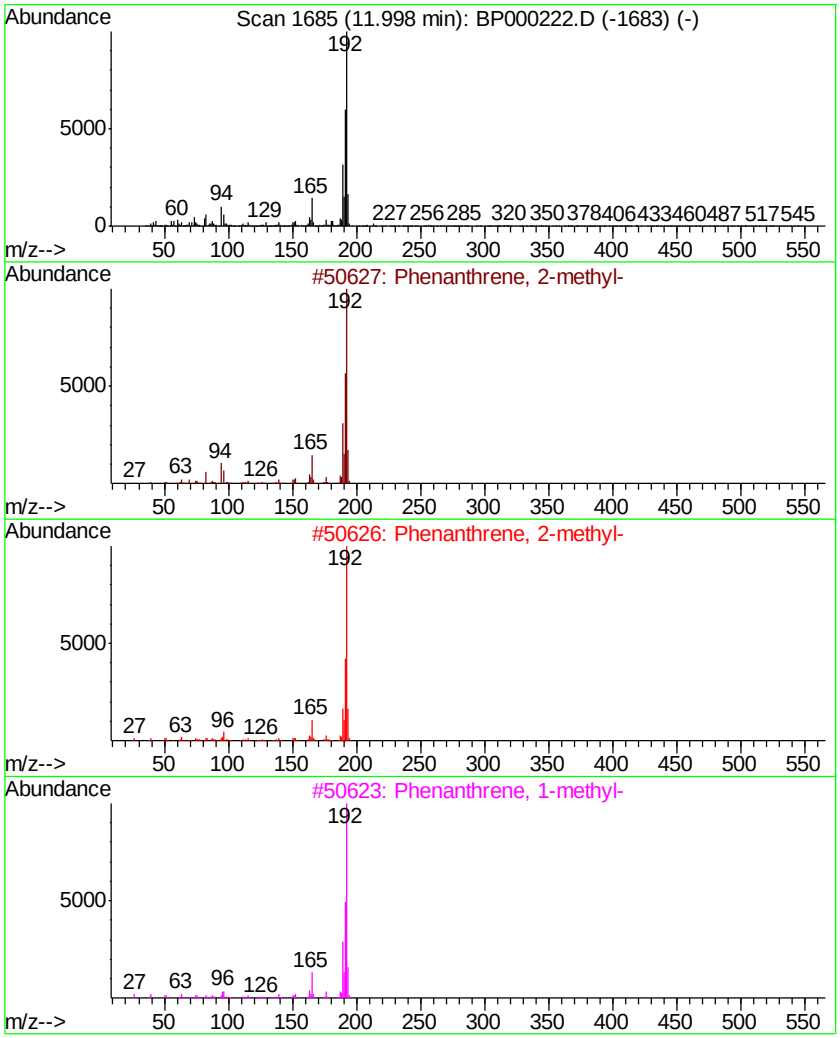
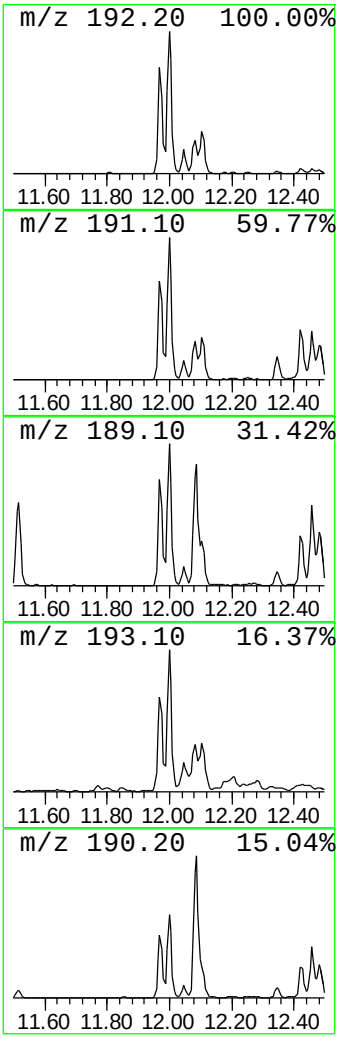
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	19.46 ng/ul	3045020	Phenanthrene-d10	11.46

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Quant Title : SVOA CALIBRATION

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

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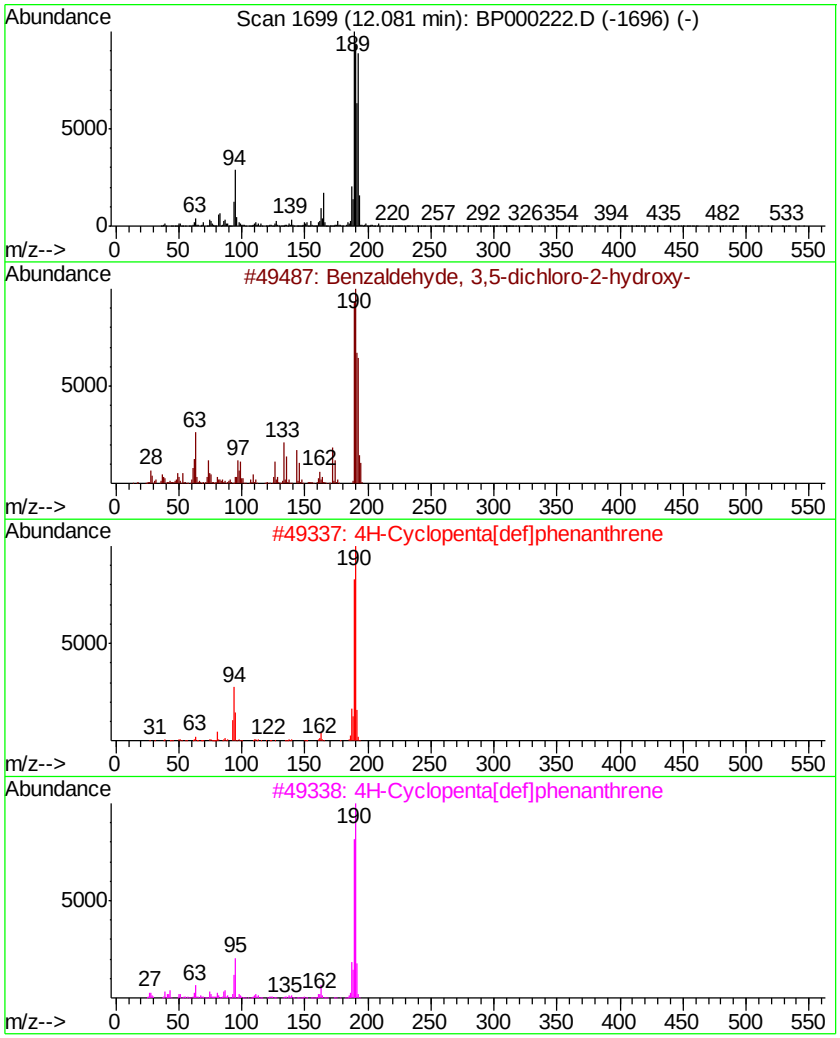
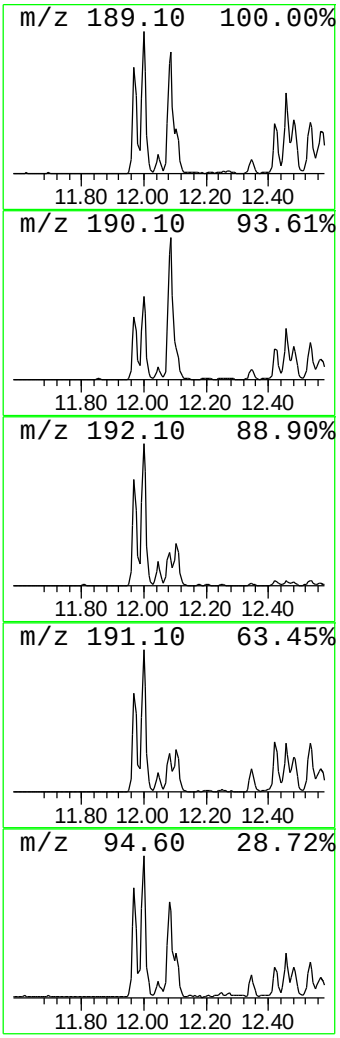
Peak Number 13 Benzaldehyde, 3,5-dichloro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	9.84 ng/ul	1539520	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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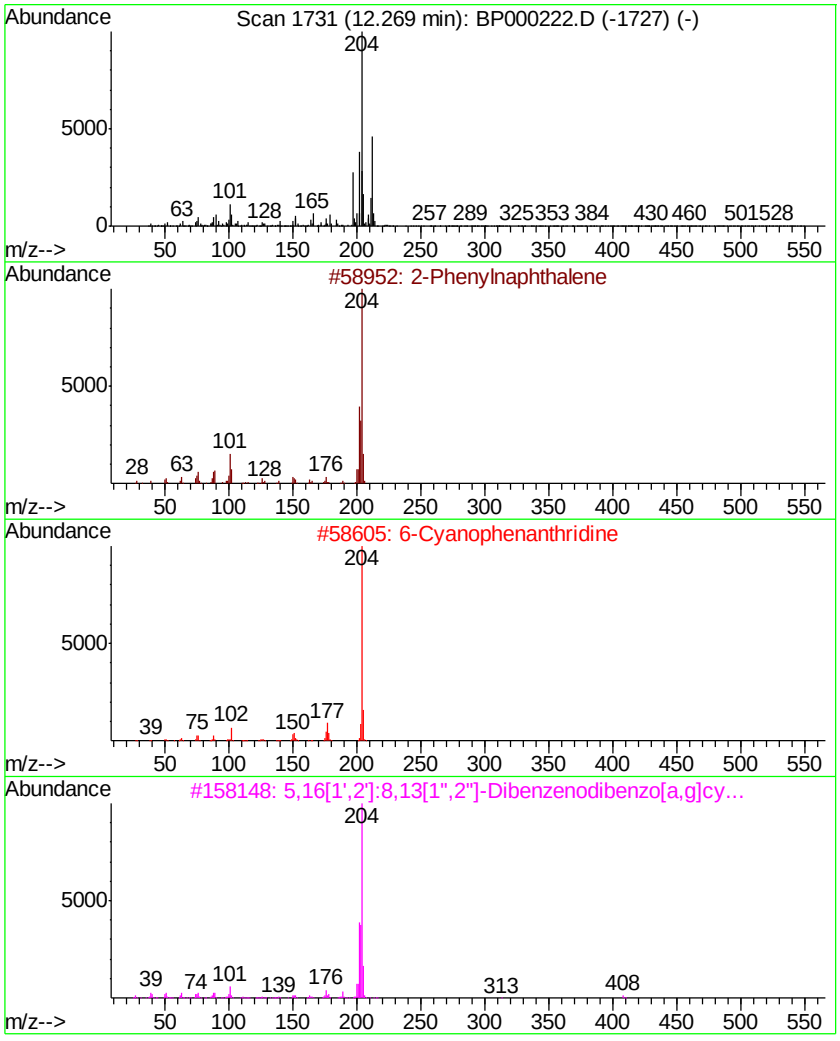
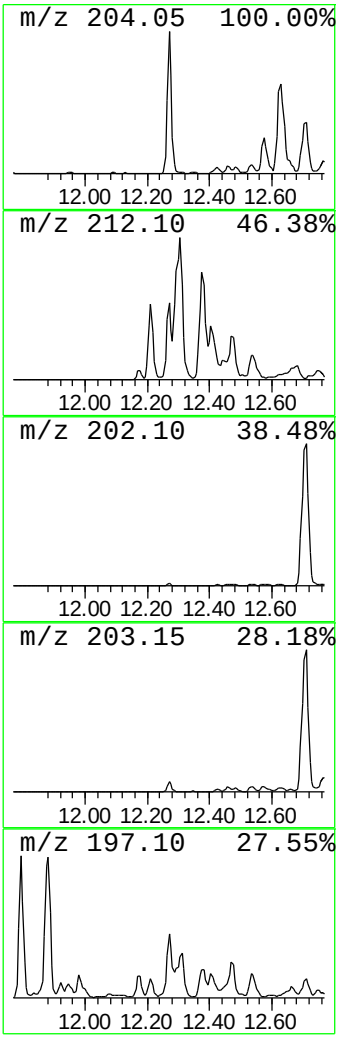
Peak Number 15 2-Phenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	4.91 ng/ul	768670	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	52
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50





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ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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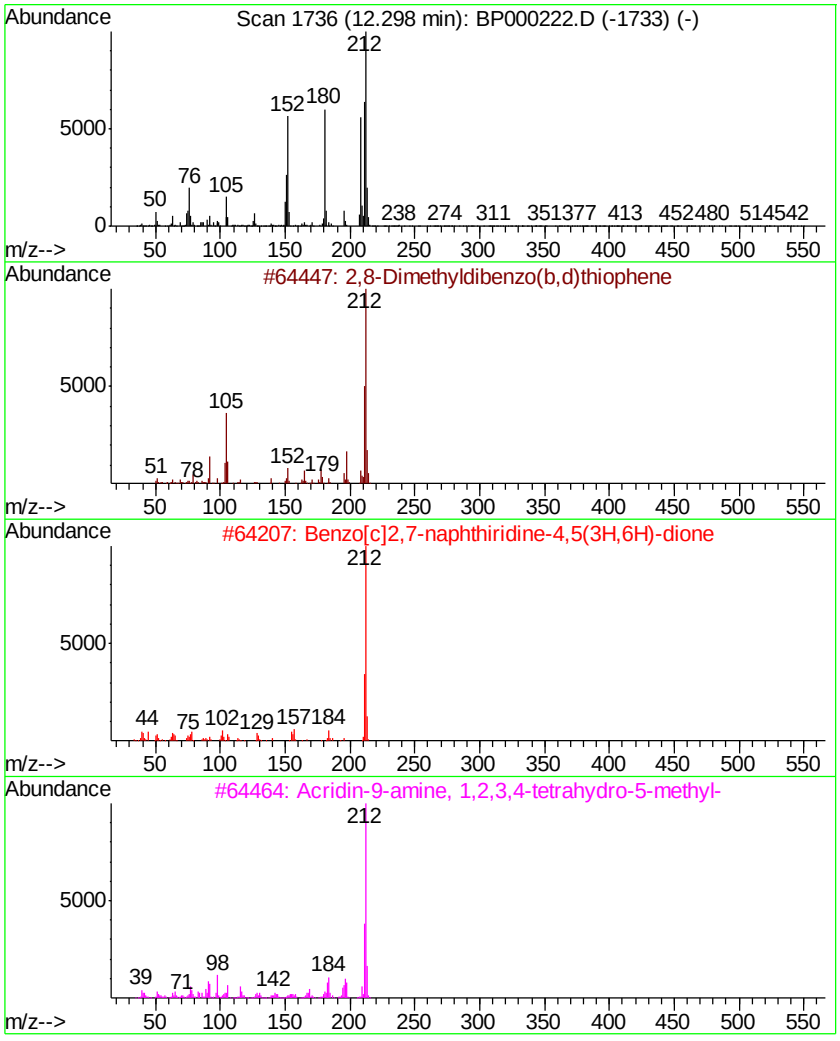
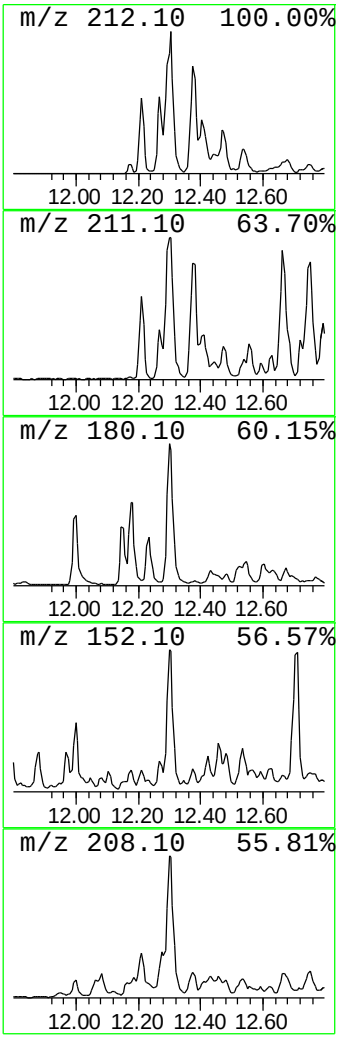
Peak Number 16 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.12 ng/ul	1113780	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	50
2	Benzo[c]2,7-naphthiridine-4,5(3H...	212	C12H8N2O2	174565-23-2	35
3	Acridin-9-amine, 1,2,3,4-tetrahy...	212	C14H16N2	005778-78-9	35
4	2,4'-Dihydroxy-stilbene	212	C14H12O2	1000147-73-5	22
5	2,5-Dimethoxy-4-(methylthio)-ben...	212	C10H12O3S	061638-04-8	22





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Quant Title : SVOA CALIBRATION

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

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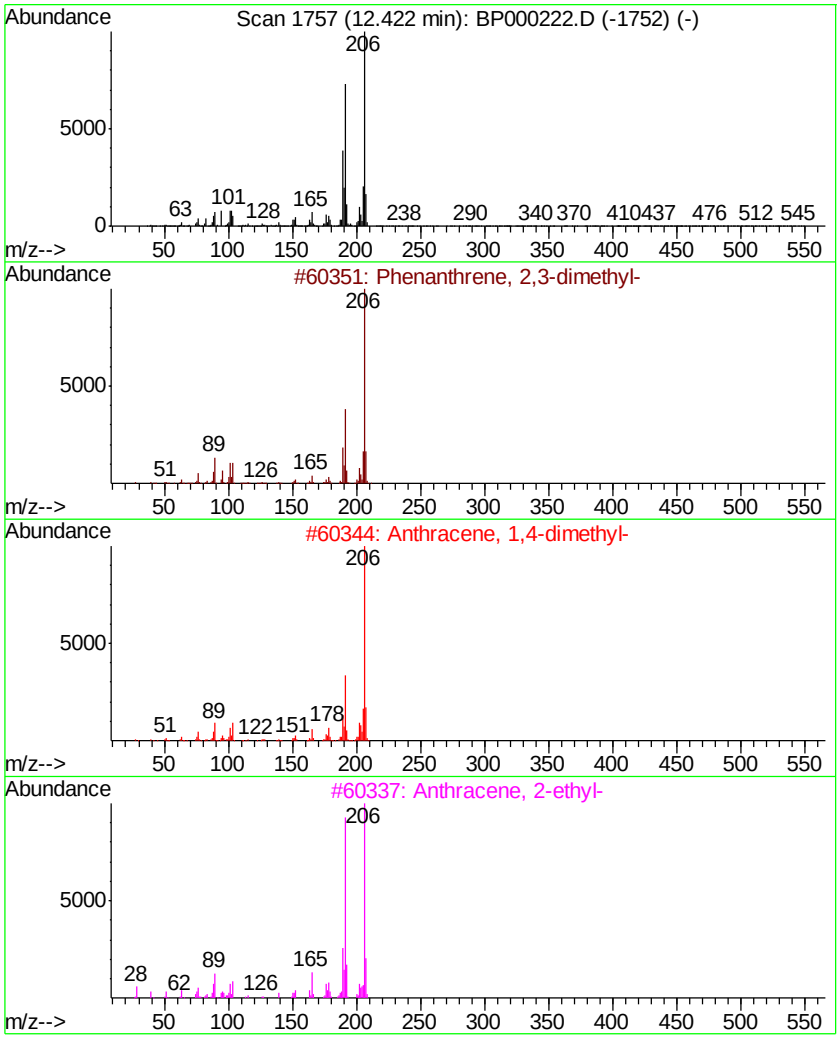
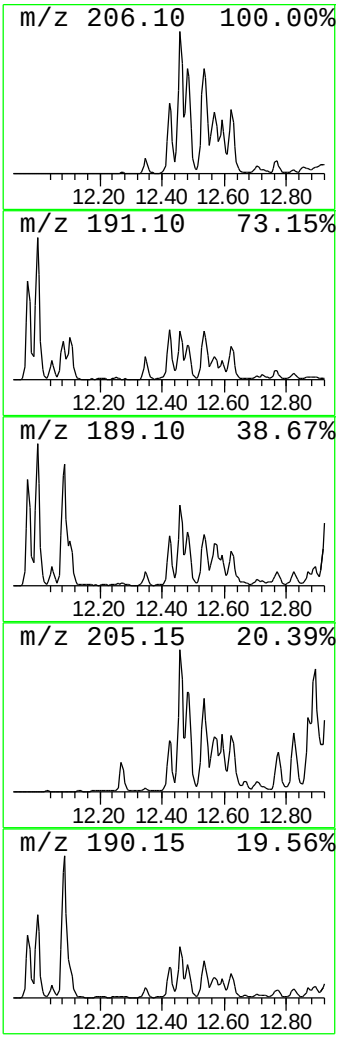
Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.86 ng/ul	1229280	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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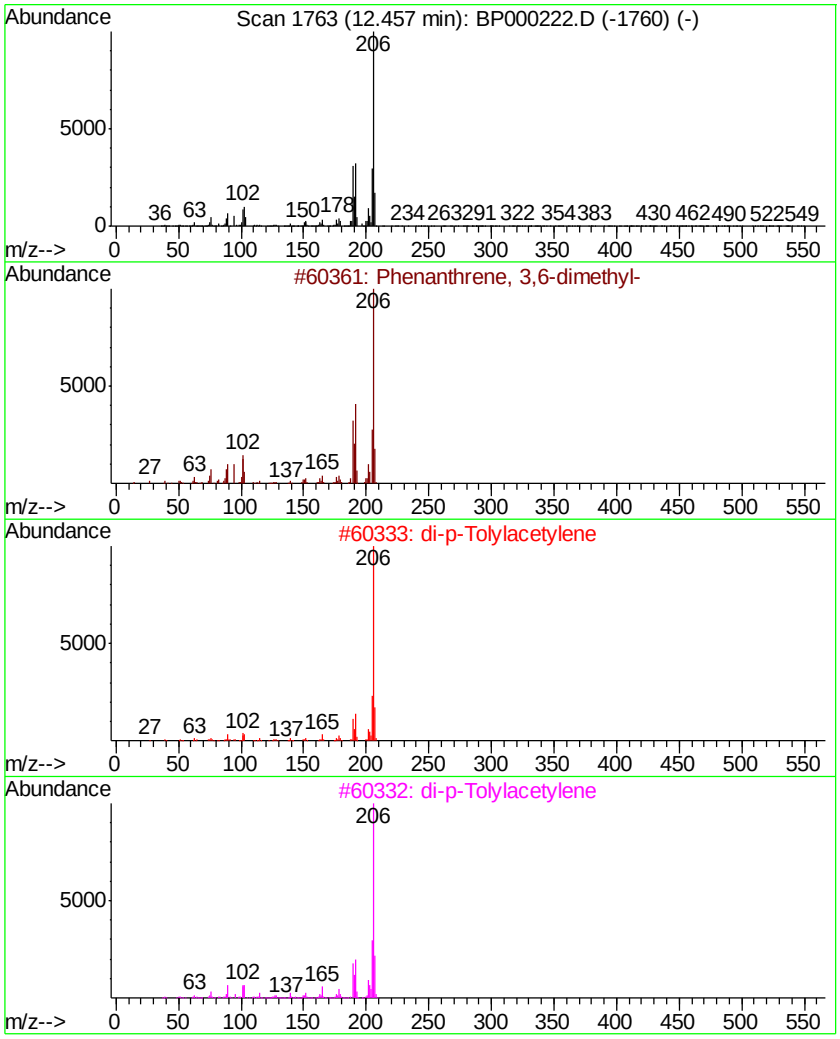
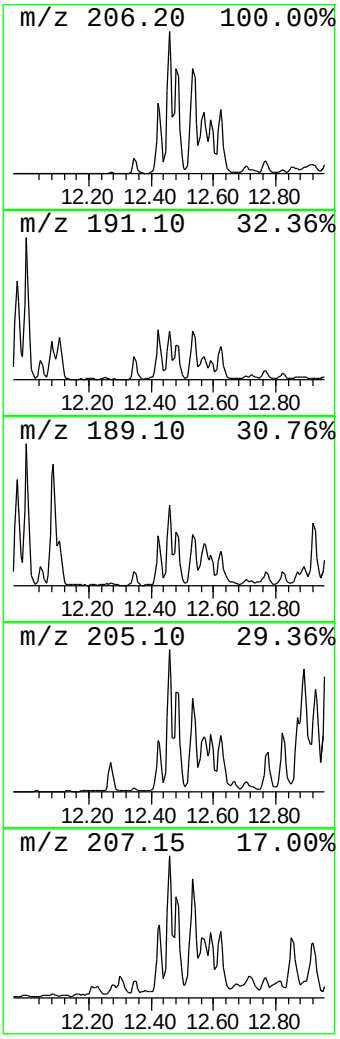
Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	9.88 ng/ul	1545250	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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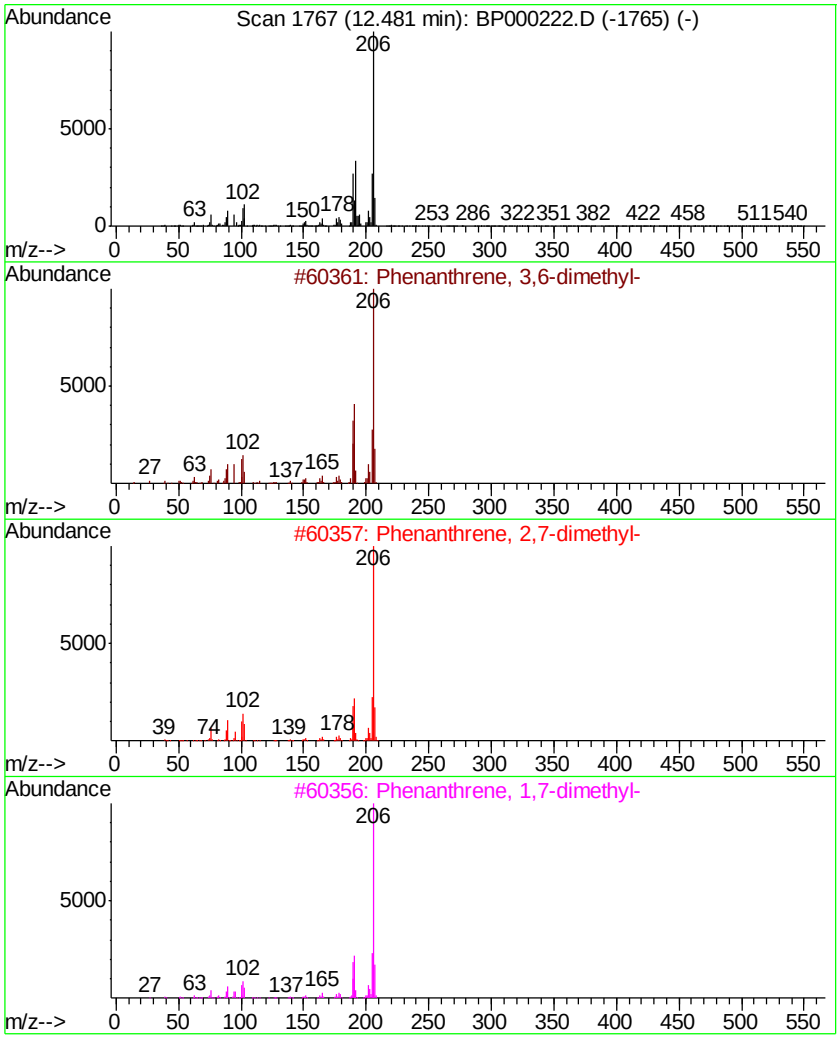
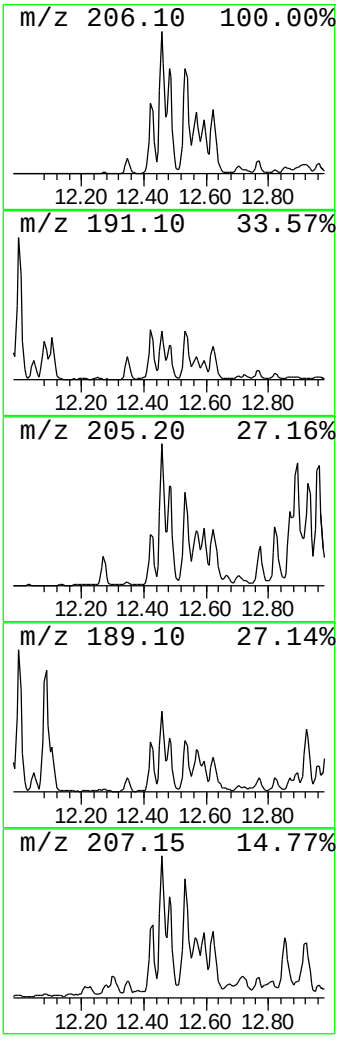
Peak Number 19 Phenanthrene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	8.89 ng/ul	1390840	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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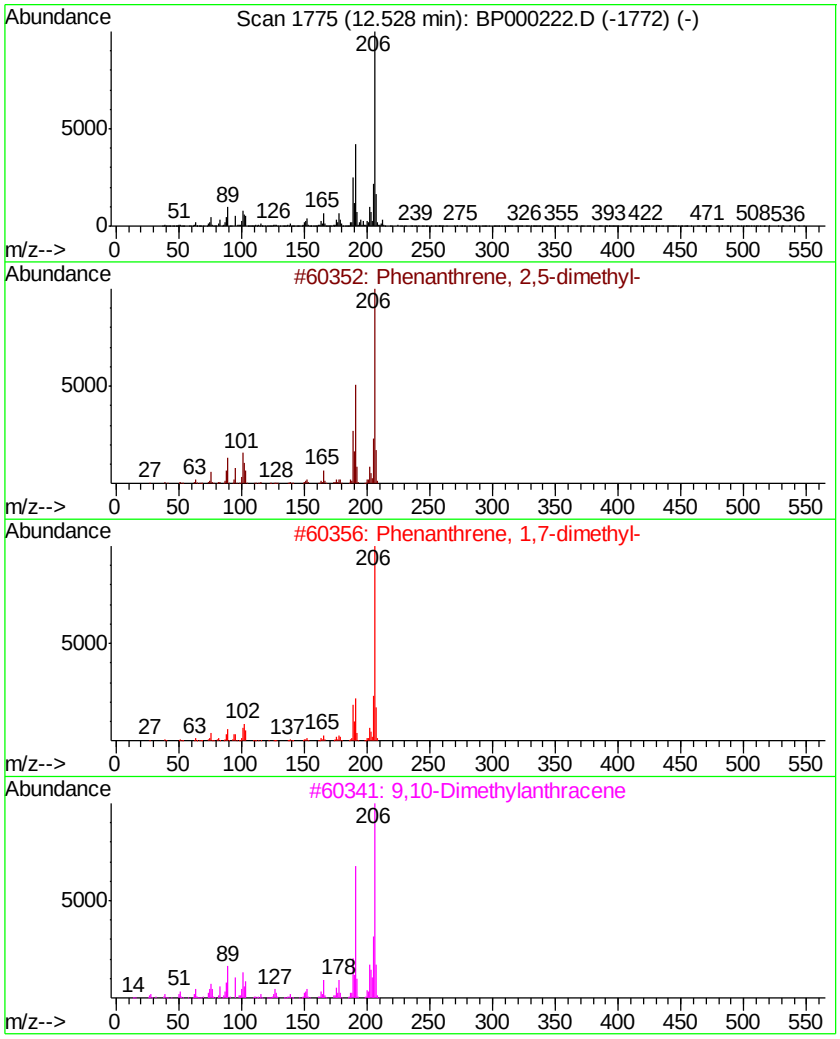
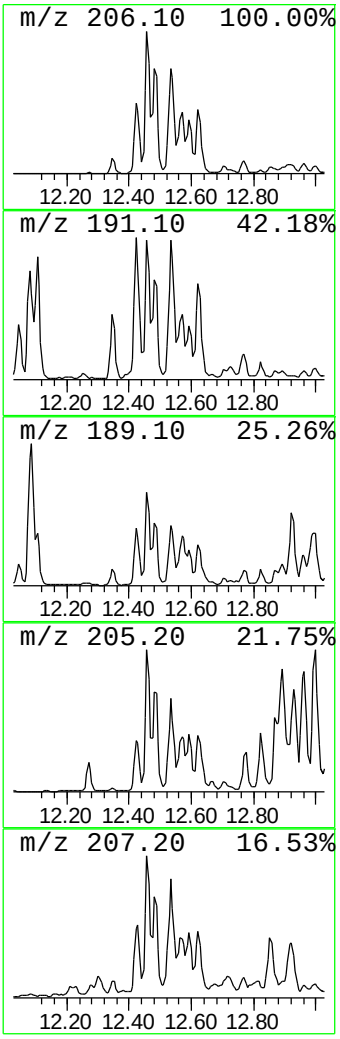
Peak Number 20 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	12.06 ng/ul	1887250	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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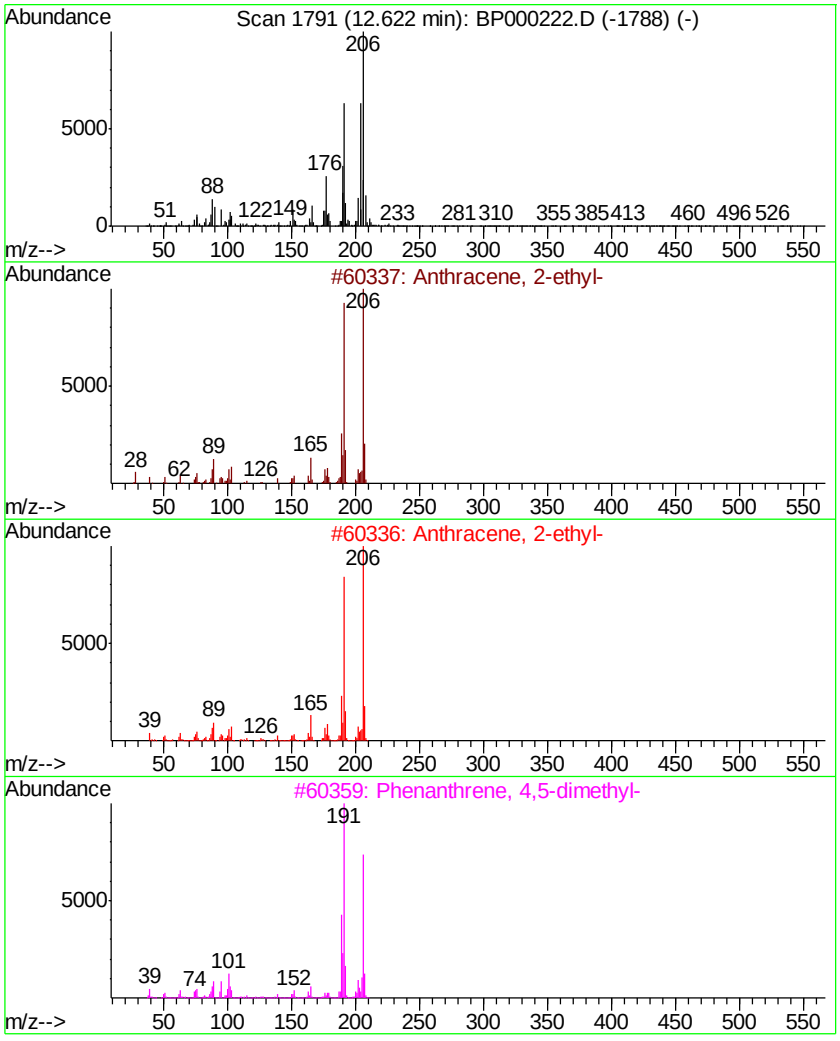
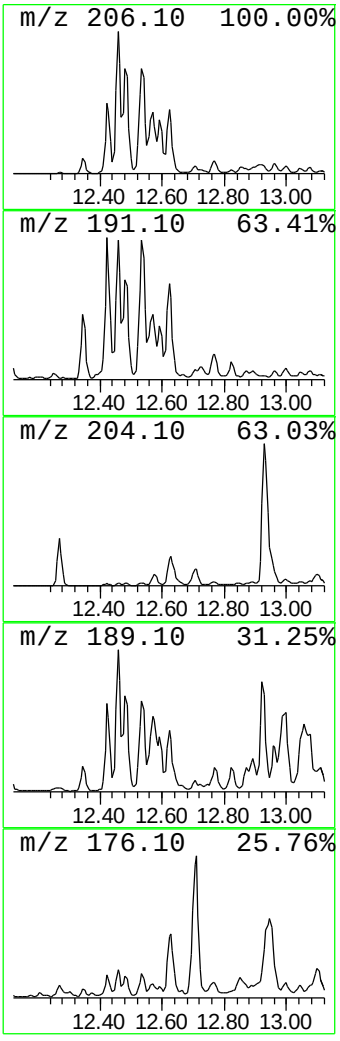
Peak Number 23 Anthracene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	7.17 ng/ul	1122000	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	91





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Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

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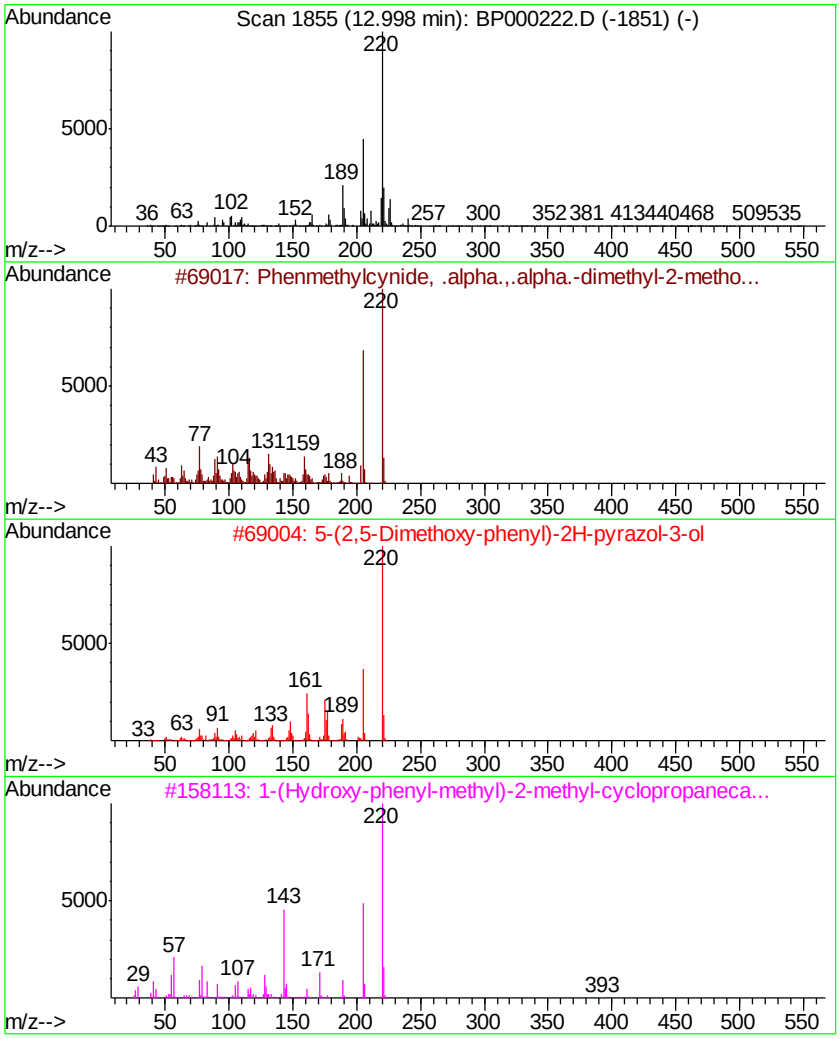
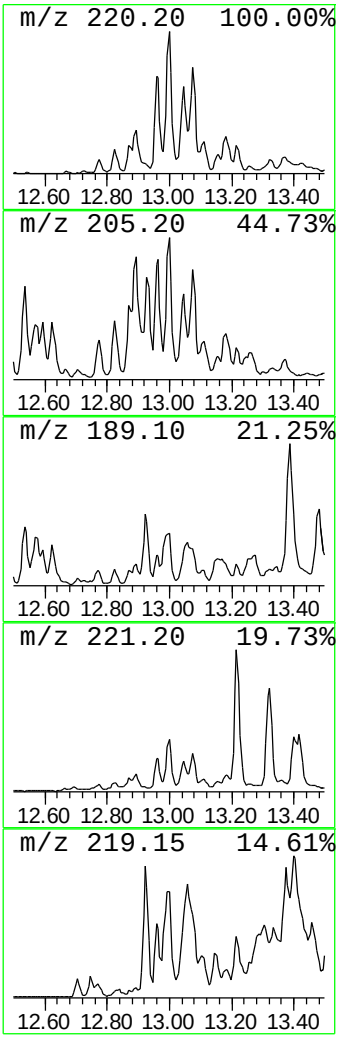
Peak Number 24 Phenmethylcynide, .alpha.,.... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.30 ng/ul	1755740	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53
2	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	53
3	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
5	1H-Pyrazole, 3,5-diphenyl-	220	C15H12N2	001145-01-3	46





Library Search Compound Report

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Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

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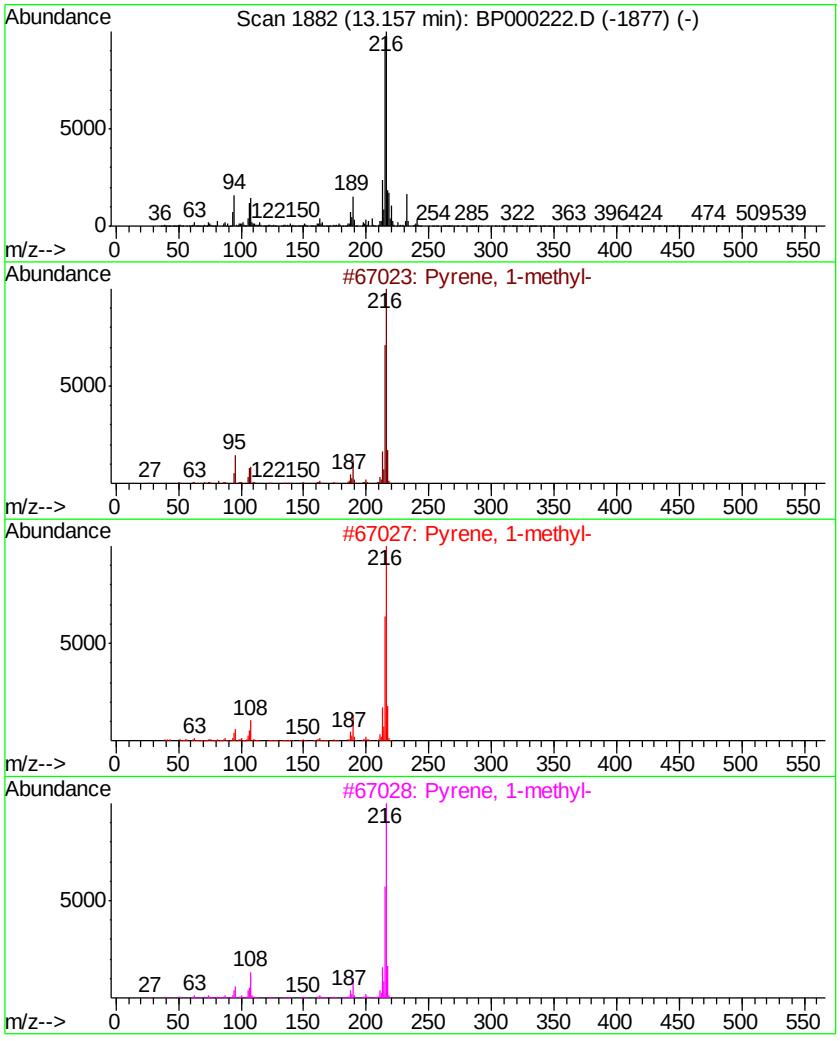
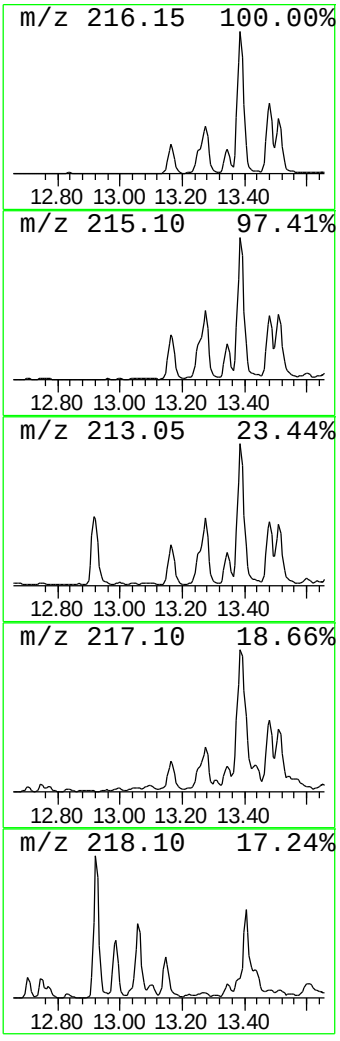
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.61 ng/ul	2757780	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

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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 11H-Benzo[b]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.70 ng/ul	2827300	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
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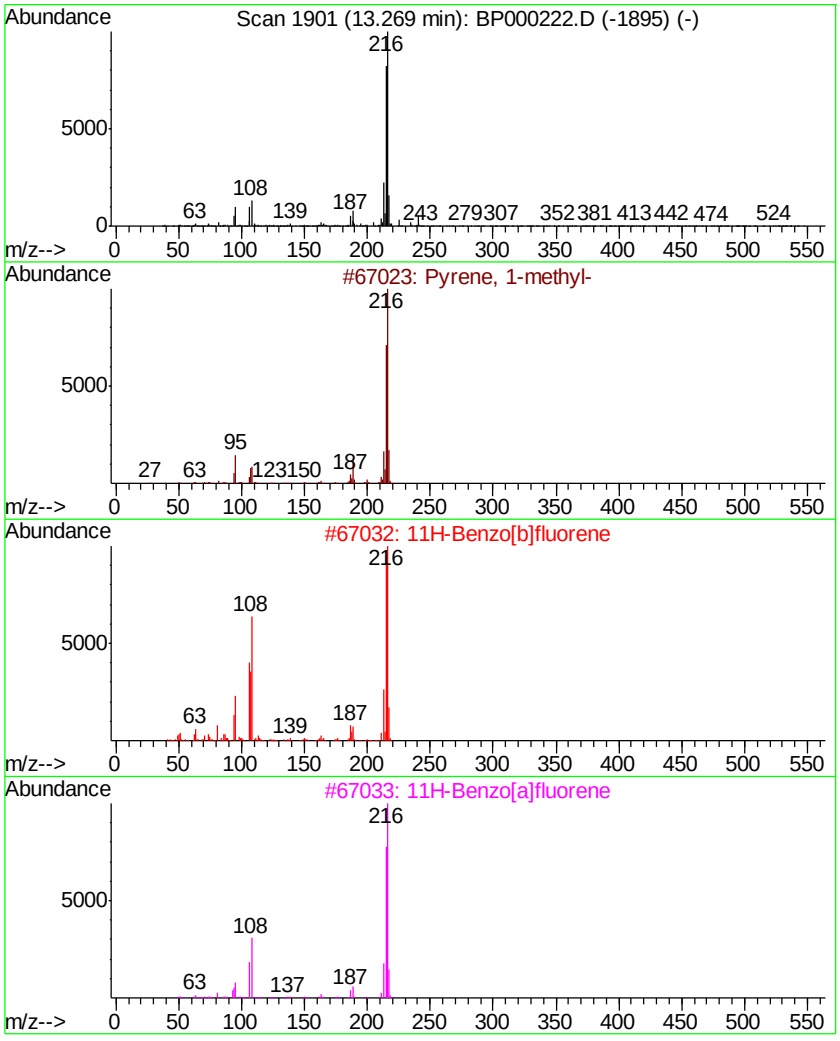

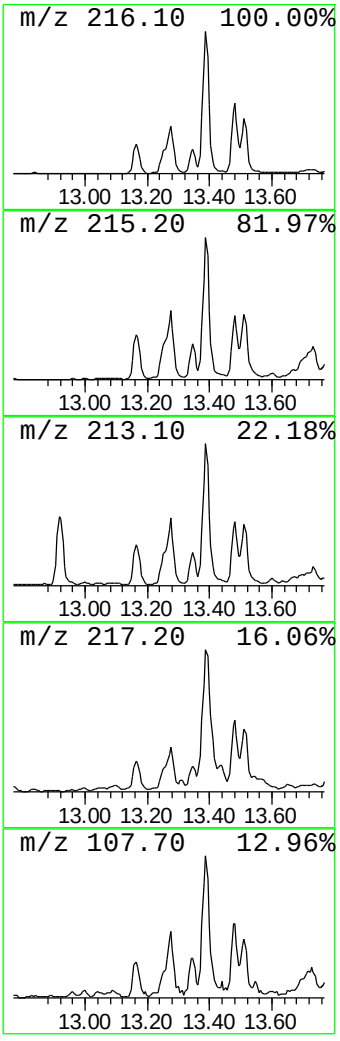

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Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

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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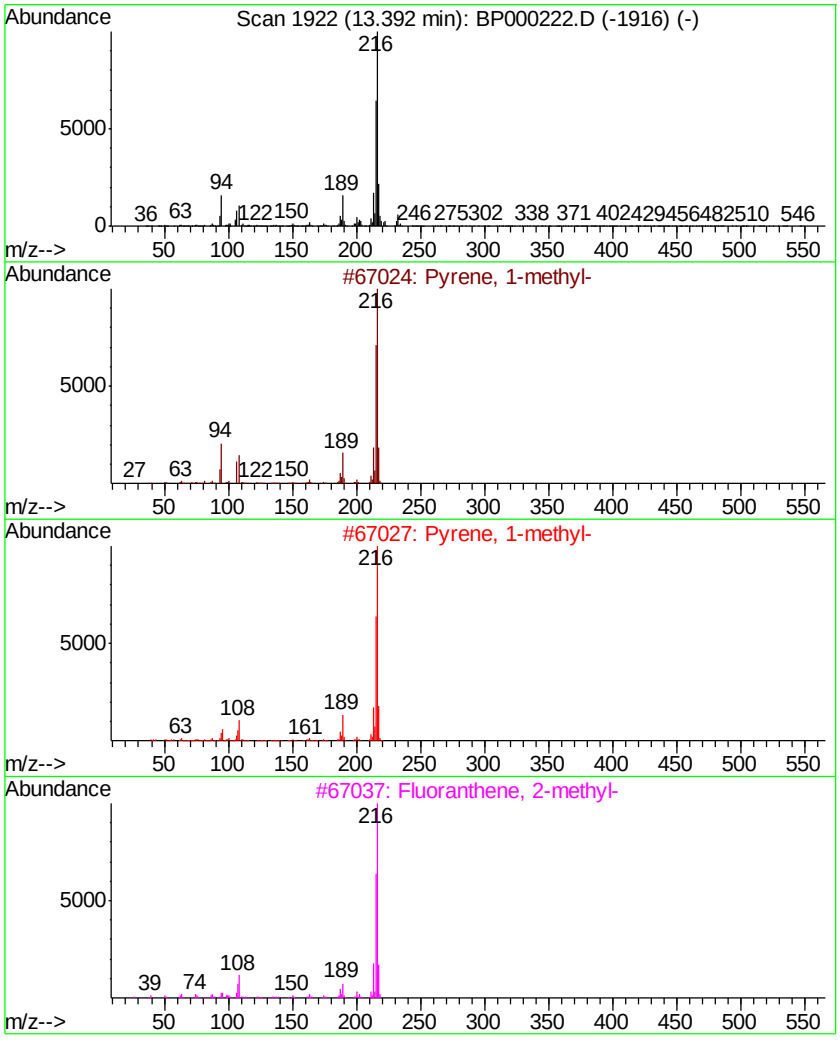
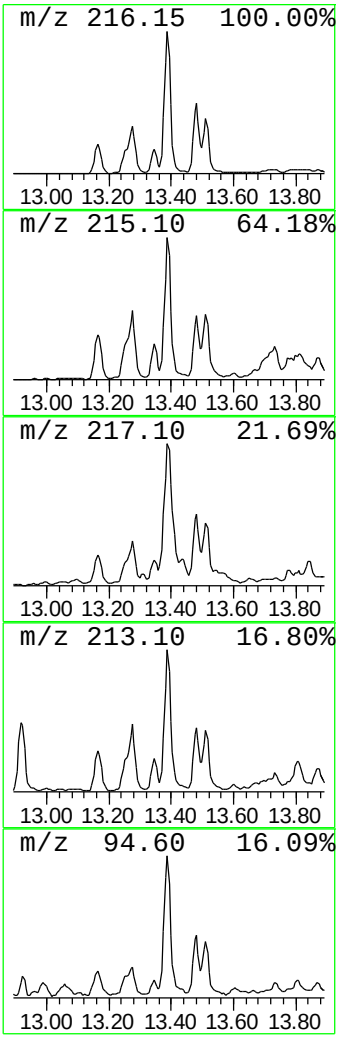
Peak Number 27 Pyrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	10.52 ng/ul	8034680	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94





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Quant Title : SVOA CALIBRATION

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

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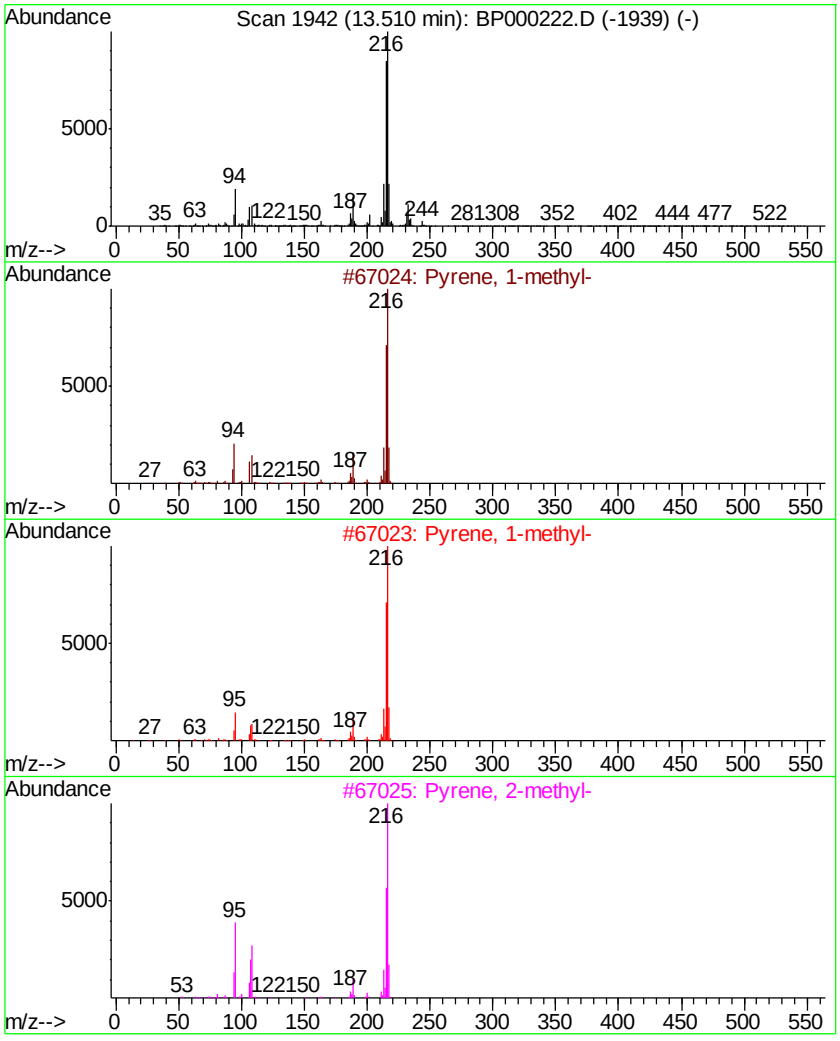
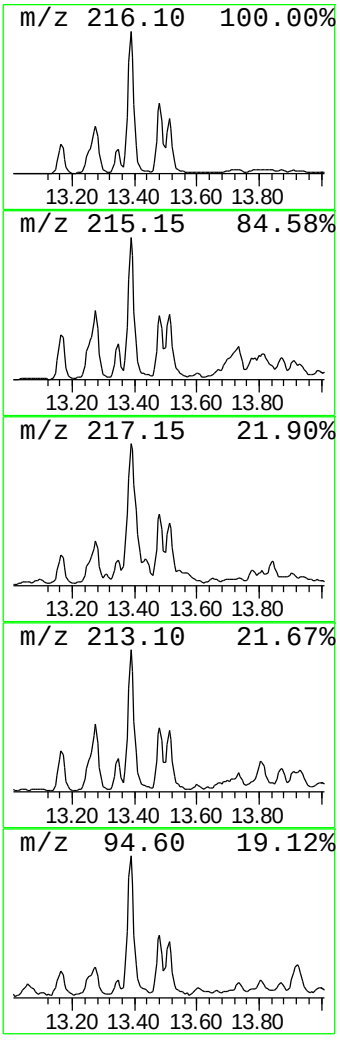
Peak Number 29 Fluoranthene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	2.39 ng/ul	1823140	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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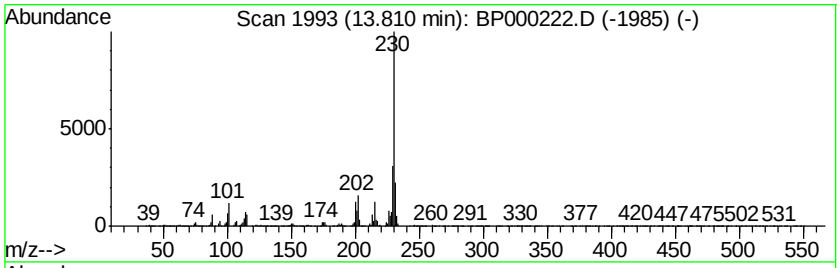
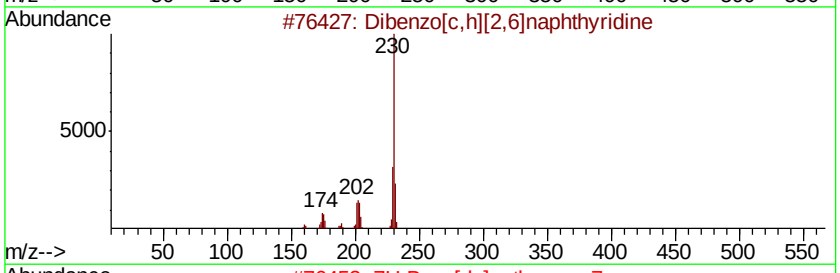
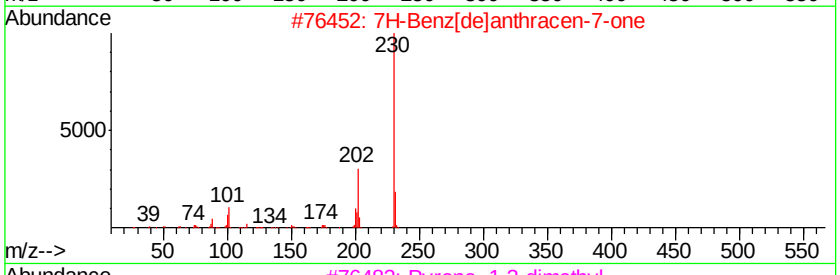
Peak Number 30 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 15

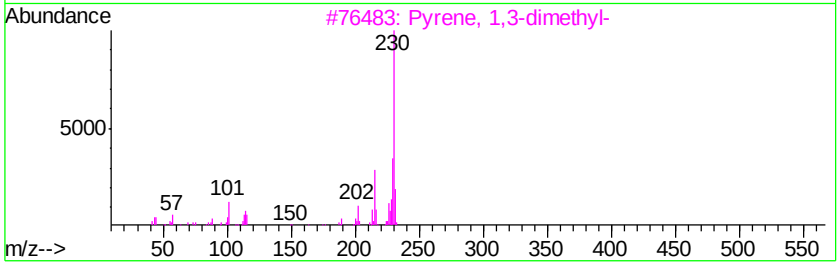
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	5.55 ng/ul	4244060	Chrysene-d12	14.20

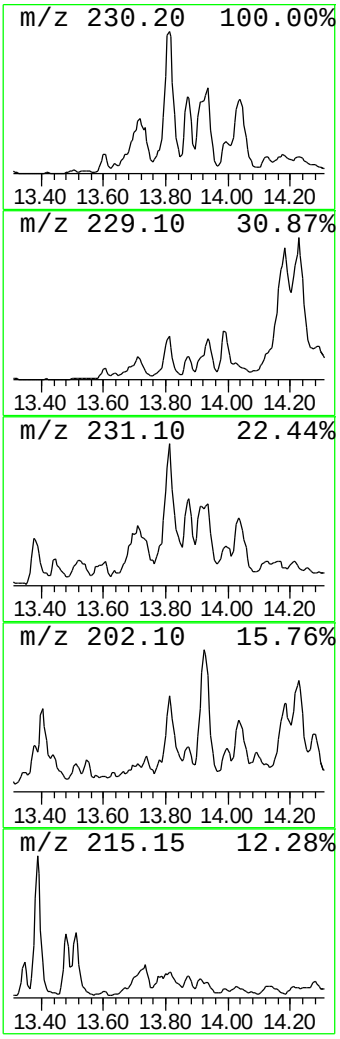
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	87
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	80
4	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	64
5	2-Norbornene, 7-methoxy-7-(p-met...	230	C15H18O2	027999-78-6	64











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ClientSampleId : F2D38

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Quant Title : SVOA CALIBRATION

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

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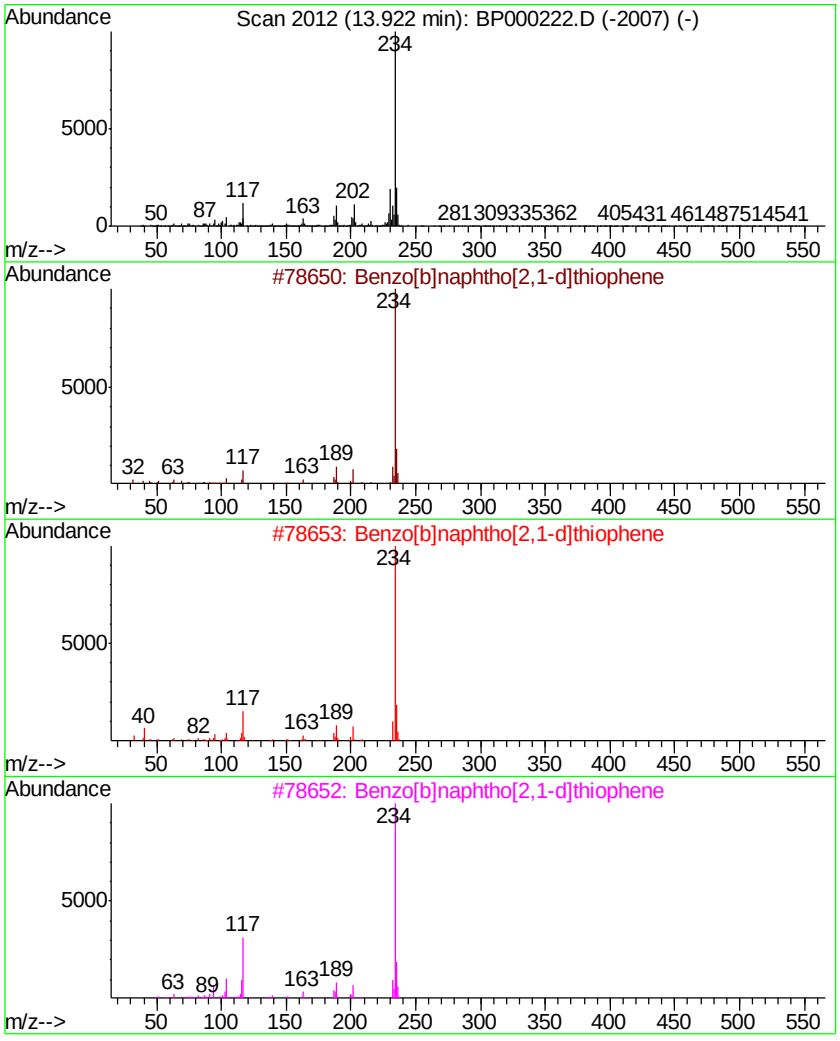
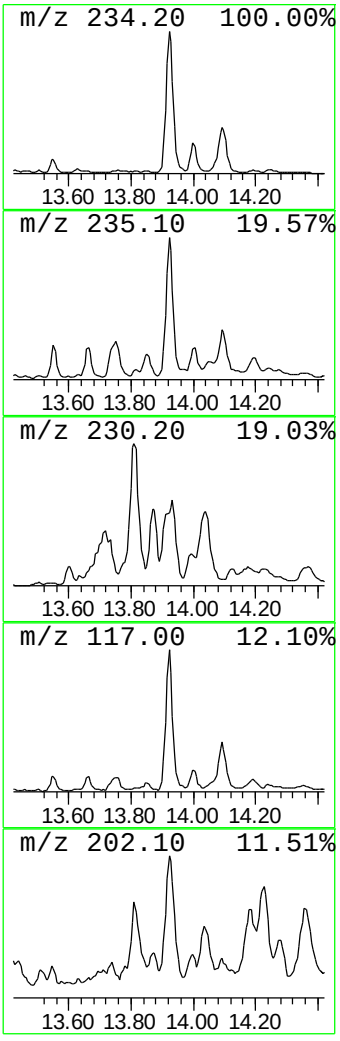
Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	11.22 ng/ul	8574490	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000222.D
Acq On : 12 Sep 2019 18:32
Operator : HP/JU
Sample : K4634-20
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D38

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.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
Butane, 2-methoxy...	2.17	169.8	ng/ul	15666300	1	6.90	1845730	20.0
3-Penten-2-ol	2.28	2.3	ng/ul	208271	1	6.90	1845730	20.0
2-Pyrrolidinone	3.78	2.9	ng/ul	265065	1	6.90	1845730	20.0
Toluene	4.00	4.0	ng/ul	372649	1	6.90	1845730	20.0
1(2H)-Acenaphthyl...	10.87	3.5	ng/ul	554922	4	11.46	3129440	20.0
9H-Fluoren-9-one	11.26	2.3	ng/ul	351386	4	11.46	3129440	20.0
Dibenzothiophene	11.35	3.3	ng/ul	514917	4	11.46	3129440	20.0
Dibenzothiophene,...	11.79	3.3	ng/ul	514519	4	11.46	3129440	20.0
Dibenzothiophene,...	11.88	4.0	ng/ul	632584	4	11.46	3129440	20.0
Phenanthrene, 2-m...	11.97	14.7	ng/ul	2291720	4	11.46	3129440	20.0
Phenanthrene, 1-m...	12.00	19.5	ng/ul	3045020	4	11.46	3129440	20.0
Benzaldehyde, 3,5...	12.08	9.8	ng/ul	1539520	4	11.46	3129440	20.0
2-Phenylnaphthalene	12.27	4.9	ng/ul	768670	4	11.46	3129440	20.0
2,8-Dimethyldiben...	12.30	7.1	ng/ul	1113780	4	11.46	3129440	20.0
Phenanthrene, 2,3...	12.42	7.9	ng/ul	1229280	4	11.46	3129440	20.0
Phenanthrene, 3,6...	12.46	9.9	ng/ul	1545250	4	11.46	3129440	20.0
Phenanthrene, 2,7...	12.48	8.9	ng/ul	1390840	4	11.46	3129440	20.0
9,10-Dimethylanth...	12.53	12.1	ng/ul	1887250	4	11.46	3129440	20.0
Anthracene, 2-ethyl-	12.62	7.2	ng/ul	1122000	4	11.46	3129440	20.0
Phenmethylcynide,...	13.00	2.3	ng/ul	1755740	5	14.20	15282200	20.0
Pyrene, 1-methyl-	13.16	3.6	ng/ul	2757780	5	14.20	15282200	20.0
11H-Benzo[b]fluorene	13.27	3.7	ng/ul	2827300	5	14.20	15282200	20.0
Pyrene, 4-methyl-	13.39	10.5	ng/ul	8034680	5	14.20	15282200	20.0
Fluoranthene, 2-m...	13.51	2.4	ng/ul	1823140	5	14.20	15282200	20.0
Dibenzo[c,h][2,6]...	13.81	5.5	ng/ul	4244060	5	14.20	15282200	20.0
Benzo[b]naphtho[2...	13.92	11.2	ng/ul	8574490	5	14.20	15282200	20.0