LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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	2.164	5	13	18	rBV	12158169	21938898	100.00%	8.437%
2	3.764	280	285	294	rVB	222065	293679	1.34%	0.113%
3	6.440	736	740	746	rVV3	225822	257087	1.17%	0.099%
4	6.505	746	751	758	rBV2	2170508	2140794	9.76%	0.823%
5	6.569	758	762	766	rVB	1672827	1478018	6.74%	0.568%
6	6.658	773	777	780	rBV	2302005	1847303	8.42%	0.710%
7	6.893	814	817	820	rVV	2855200	2267373	10.33%	0.872%
8	7.258	873	879	882	rBV	2569109	2238099	10.20%	0.861%
9	7.293	882	885	888	rVV	408173	383162	1.75%	0.147%
10	7.446	902	911	914	rVV	2078778	1815944	8.28%	0.698%
11	7.493	914	919	924	rVV2	265049	309517	1.41%	0.119%
12	7.769	963	966	970	rBV	1466632	1315544	6.00%	0.506%
13	8.010	1004	1007	1011	rBV	2771753	2253363	10.27%	0.867%
14	8.175	1031	1035	1038	rBV	3816992	3113457	14.19%	1.197%
15	8.228	1041	1044	1056	rVB	1153315	1042454	4.75%	0.401%
16	9.628	1279	1282	1284	rVV	3870761	3149897	14.36%	1.211%
17	9.652	1284	1286	1289	rVB	1198886	838383	3.82%	0.322%
18	9.787	1305	1309	1315	rVB	4831127	4105102	18.71%	1.579%
19	9.899	1323	1328	1330	rVB2	422642	357336	1.63%	0.137%
20	9.946	1332	1336	1339	rVV	4382264	3788769	17.27%	1.457%
21	9.975	1339	1341	1344	rVV	2077982	1613857	7.36%	0.621%
22	10.028	1347	1350	1355	rVV	1478142	1209196	5.51%	0.465%
23	10.081	1355	1359	1367	rVV2	715550	1102886	5.03%	0.424%
24	10.146	1367	1370	1375	rVB	811820	721287	3.29%	0.277%
25	10.210	1375	1381	1386	rBV3	200445	316672	1.44%	0.122%
26	10.469	1421	1425	1427	rBV	5456324	4543634	20.71%	1.747%
27	10.499	1427	1430	1432	rVV	1065245	919068	4.19%	0.353%
28	10.528	1432	1435	1437	rVV	987116	915240	4.17%	0.352%
29	10.587	1443	1445	1451	rVV3	225676	316199	1.44%	0.122%
30	10.734	1467	1470	1475	rVB	301480	355000	1.62%	0.137%
31	11.246	1554	1557	1562	rVB	1216938	1072690	4.89%	0.413%
32	11.304	1562	1567	1569	rBV2	215953	324170	1.48%	0.125%
33	11.340	1570	1573	1579	rVB	965885	803657	3.66%	0.309%
34	11.451	1588	1592	1593	rBV	3843385	3768411	17.18%	1.449%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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	11.481	1593	1597	1599	rVV	11709424	12250804	55.84%	4.711%
36	11.504	1599	1601	1603	rVV	4939324	4523286	20.62%	1.739%
37	11.528	1603	1605	1607	rVV	2783261	2100455	9.57%	0.808%
38	11.557	1607	1610	1613	rVB	300524	260434	1.19%	0.100%
39	11.675	1624	1630	1633	rBV2	2300113	2267853	10.34%	0.872%
40	11.787	1646	1649	1654	rVB2	331298	353242	1.61%	0.136%
41	11.957	1674	1678	1680	rBV	1590545	1399788	6.38%	0.538%
42	11.987	1680	1683	1684	rBV	2286328	1881134	8.57%	0.723%
43	12.004	1684	1686	1688	rVV	2320757	1761369	8.03%	0.677%
44	12.028	1688	1690	1694	rVB2	1927104	1728653	7.88%	0.665%
45	12.069	1694	1697	1700	rBV	2004775	2194764	10.00%	0.844%
46	12.257	1726	1729	1731	rBV	1096053	1018611	4.64%	0.392%
47	12.281	1731	1733	1737	rVB	1975285	1598778	7.29%	0.615%
48	12.410	1750	1755	1758	rBV	509315	563284	2.57%	0.217%
49	12.445	1758	1761	1763	rVV	478724	458725	2.09%	0.176%
50	12.469	1763	1765	1767	rVB	470976	357105	1.63%	0.137%
51	12.522	1770	1774	1777	rBV	821662	877409	4.00%	0.337%
52	12.557	1777	1780	1782	rBV	288937	303524	1.38%	0.117%
53	12.604	1785	1788	1793	rVB2	1046976	1042683	4.75%	0.401%
54	12.693	1797	1803	1806	rVB	14260186	16444741	74.96%	6.324%
55	12.740	1806	1811	1815	rBV2	394079	584691	2.67%	0.225%
56	12.804	1819	1822	1825	rBV3	1228814	1449884	6.61%	0.558%
57	12.928	1834	1843	1846	rBV3	11469075	19470842	88.75%	7.487%
58	12.963	1847	1849	1855	rVB2	621853	856518	3.90%	0.329%
59	13.040	1858	1862	1864	rBV	829146	779066	3.55%	0.300%
60	13.075	1865	1868	1873	rVB	977078	1068708	4.87%	0.411%
61	13.140	1873	1879	1882	rBV2	1011139	1742214	7.94%	0.670%
62	13.198	1886	1889	1890	rBV2	280793	286277	1.30%	0.110%
63	13.228	1891	1894	1895	rVV2	670520	700998	3.20%	0.270%
64	13.251	1895	1898	1901	rVB	1532530	1603282	7.31%	0.617%
65	13.292	1901	1905	1907	rBV3	236179	348578	1.59%	0.134%
66	13.322	1907	1910	1912	rBV	660241	628430	2.86%	0.242%
67	13.357	1912	1916	1918	rBV	2194839	2074015	9.45%	0.798%
68	13.381	1918	1920	1924	rVB	781249	815222	3.72%	0.313%
69	13.451	1929	1932	1935	rVB	959995	792293	3.61%	0.305%
70	13.481	1935	1937	1941	rBV	866182	869257	3.96%	0.334%
71	13.557	1947	1950	1956	rBV4	276299	374722	1.71%	0.144%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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	13.640	1961	1964	1966	rBV3	408511	532579	2.43%	0.205%
73	13.769	1982	1986	1991	rVB	2232541	2465449	11.24%	0.948%
74	13.887	2001	2006	2009	rBV3	3209042	4105916	18.72%	1.579%
75	13.916	2009	2011	2013	rVV	1306435	1200344	5.47%	0.462%
76	13.940	2013	2015	2019	rVV2	1189326	1847707	8.42%	0.711%
77	13.981	2020	2022	2025	rVV	1730651	1728906	7.88%	0.665%
78	14.022	2025	2029	2032	rVV2	647391	869290	3.96%	0.334%
79	14.057	2033	2035	2039	rVB	663002	530509	2.42%	0.204%
80	14.145	2042	2050	2053	rBV2	8448825	15855319	72.27%	6.097%
81	14.175	2053	2055	2062	rVB	7649815	7725354	35.21%	2.971%
82	14.234	2062	2065	2067	rBV	961079	1041343	4.75%	0.400%
83	14.310	2071	2078	2080	rBV2	1104255	1898096	8.65%	0.730%
84	14.404	2092	2094	2097	rVB	616232	624773	2.85%	0.240%
85	14.504	2109	2111	2113	rBV	412171	349017	1.59%	0.134%
86	14.545	2113	2118	2120	rVV	2532395	2940607	13.40%	1.131%
87	14.575	2120	2123	2126	rVV	1443218	1432574	6.53%	0.551%
88	14.669	2136	2139	2141	rBV	1246601	1399740	6.38%	0.538%
89	14.804	2159	2162	2168	rVB	568140	783796	3.57%	0.301%
90	14.863	2168	2172	2175	rBV3	709523	1056104	4.81%	0.406%
91	14.951	2184	2187	2190	rVB	755563	715318	3.26%	0.275%
92	14.992	2191	2194	2199	rVV3	917457	1441013	6.57%	0.554%
93	15.245	2230	2237	2247	rBV	6365356	15178783	69.19%	5.837%
94	15.345	2251	2254	2257	rBV	923531	1024881	4.67%	0.394%
95	15.563	2285	2291	2294	rBV	3996781	6625580	30.20%	2.548%
96	15.634	2299	2303	2308	rVB	5400262	7523468	34.29%	2.893%
97	15.692	2308	2313	2316	rBV	2275638	3270380	14.91%	1.258%
98	15.722	2316	2318	2326	rVB2	1556250	2360555	10.76%	0.908%
99	17.281	2575	2583	2589	rVB2	2898384	6746513	30.75%	2.594%
100	17.751	2655	2663	2673	rVB	2368793	6023155	27.45%	2.316%

Sum of corrected areas: 260044854

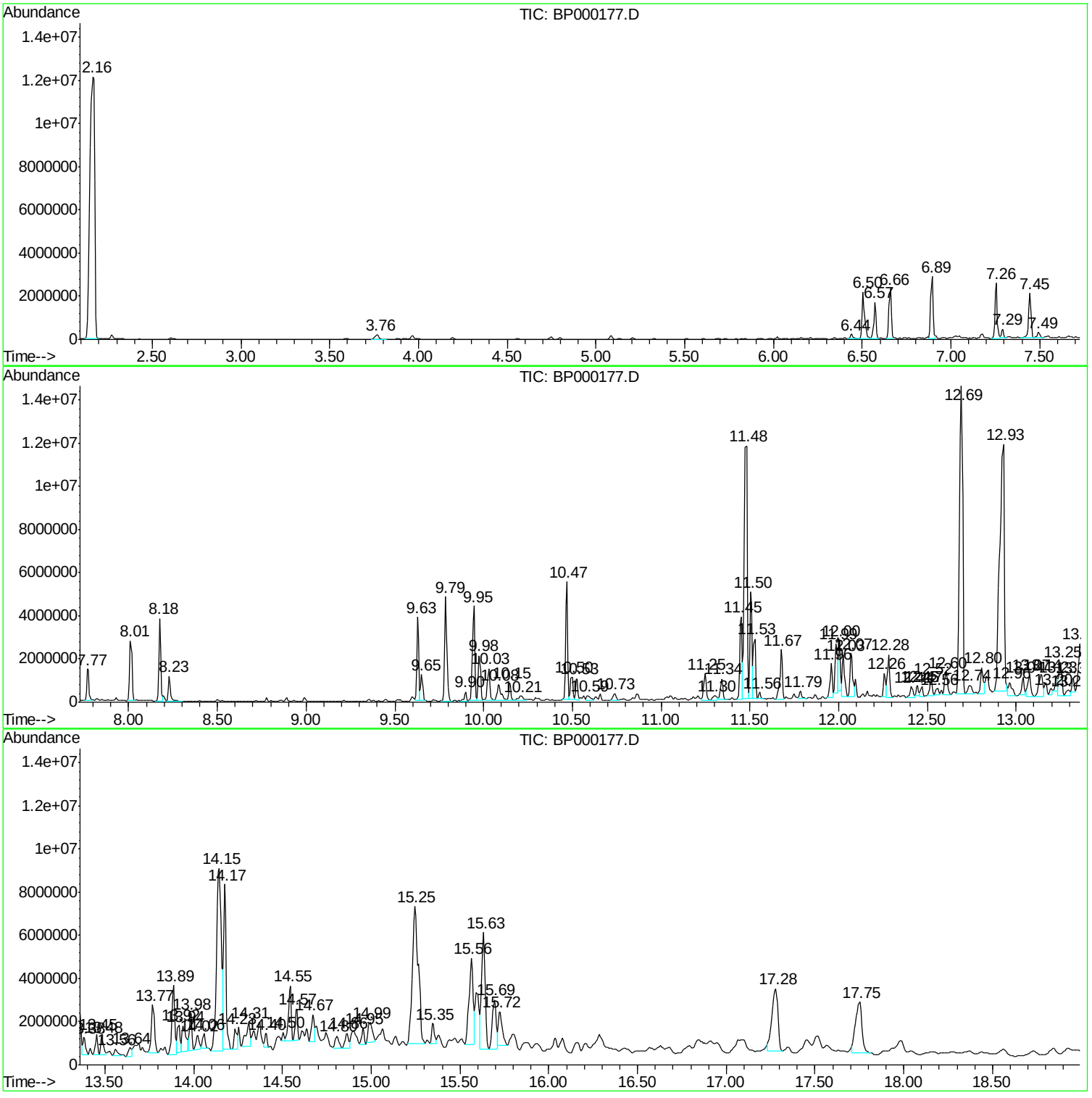
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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

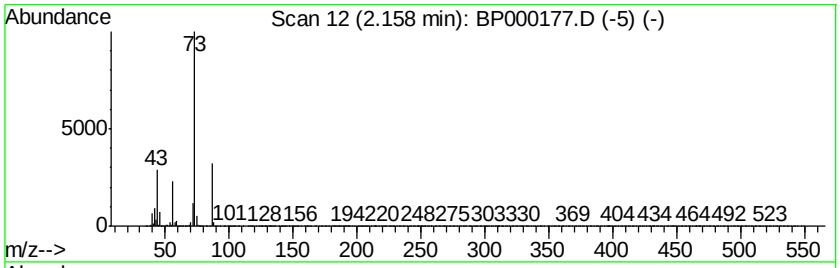
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

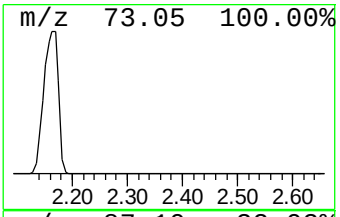
****

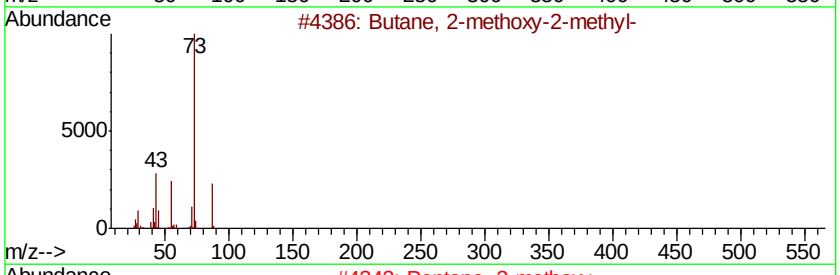
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

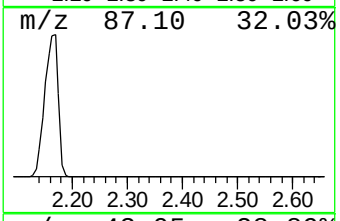
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	193.52 ng/ul	21938900	1,4-Dichlorobenzene-d4	6.89

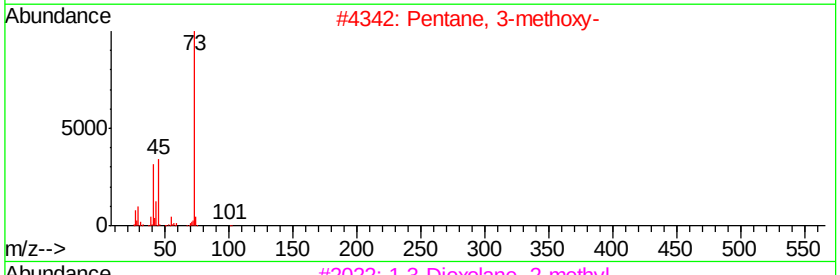
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	9

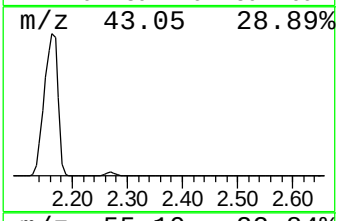


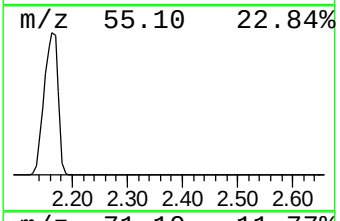


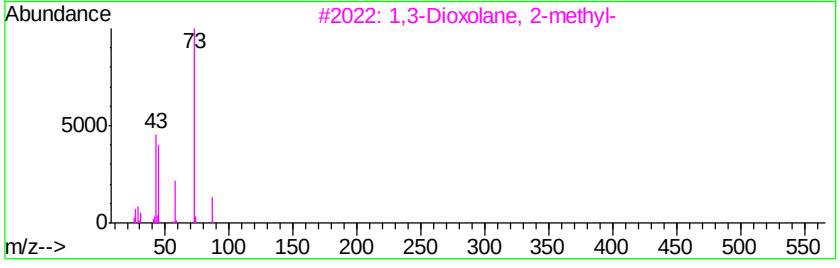


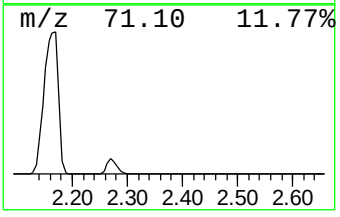












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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

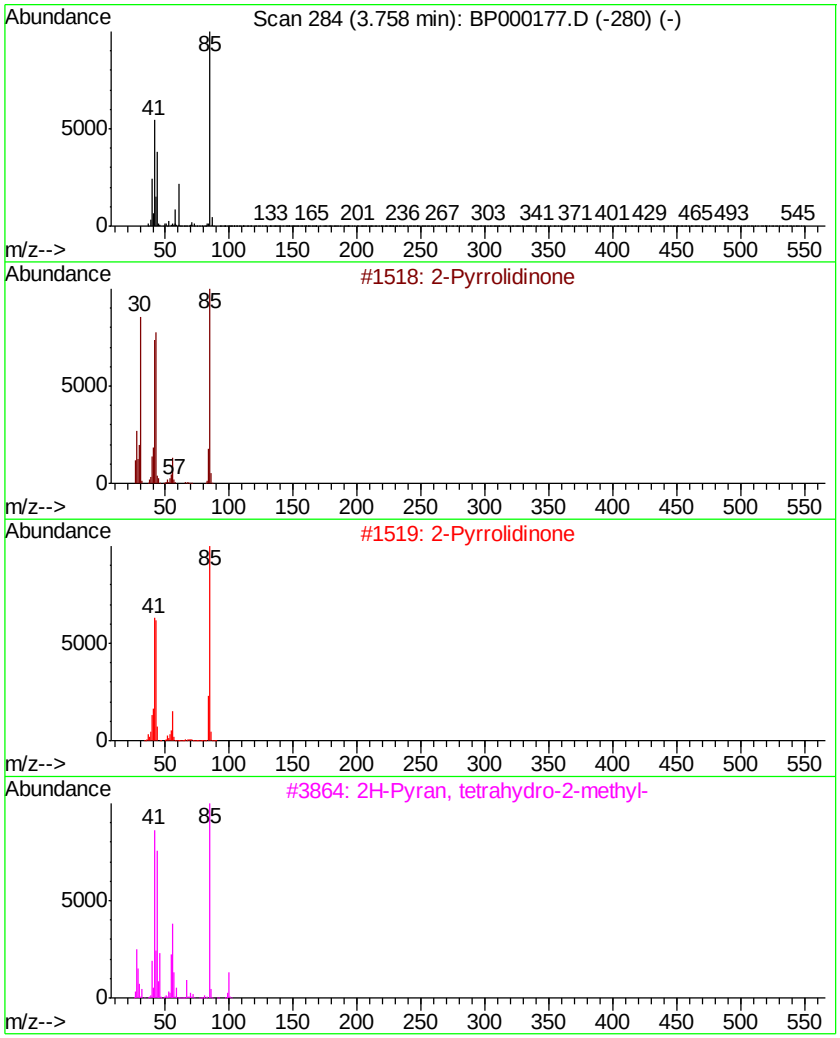
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

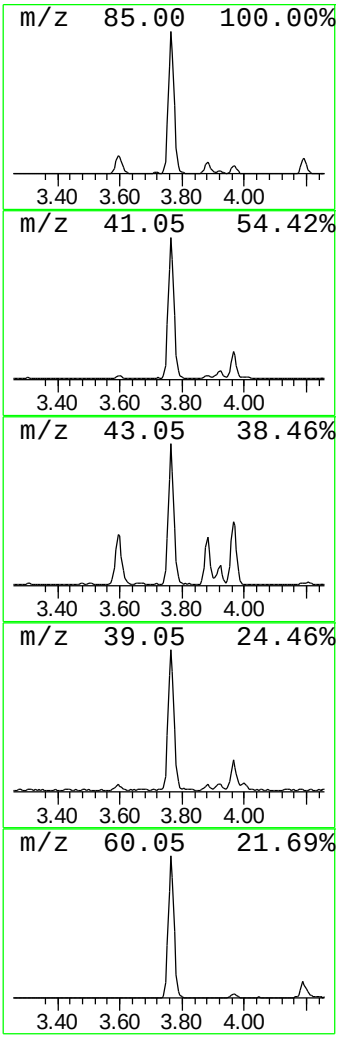
****

Peak Number 2 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	2.59 ng/ul	293679	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	33
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	25
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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

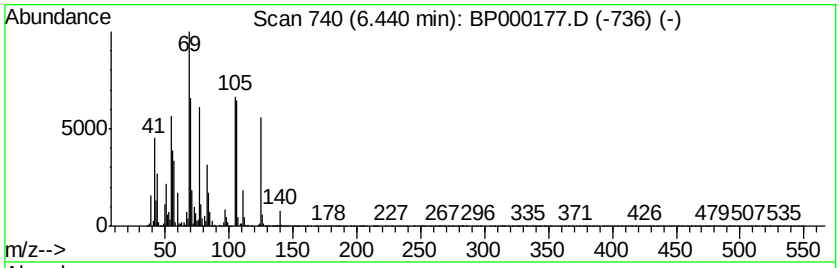
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

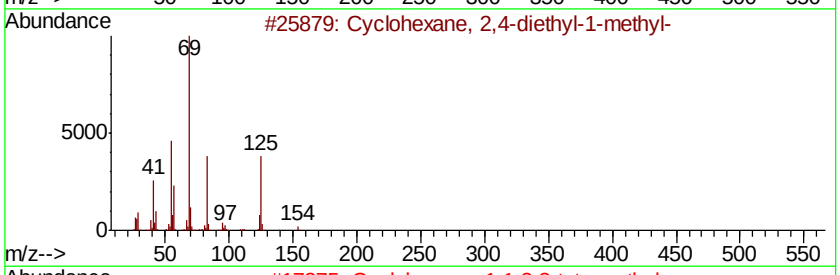
****

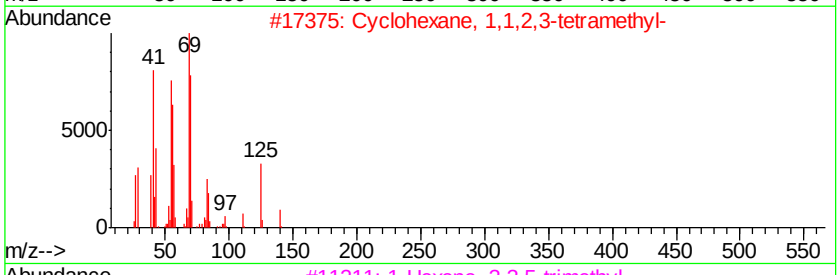
Peak Number 3 (DEL) Alkane: Cyclic6.44 Concentration Rank 22

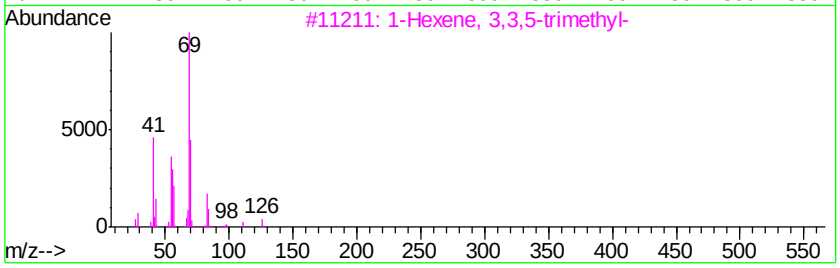
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	2.27 ng/ul	257087	1,4-Dichlorobenzene-d4	6.89

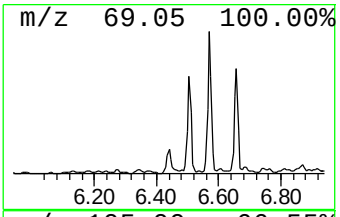
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	38
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	30
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	25
4	Benzaldehyde	106	C7H6O	000100-52-7	25
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	25

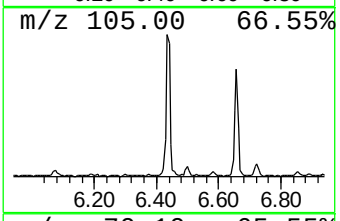


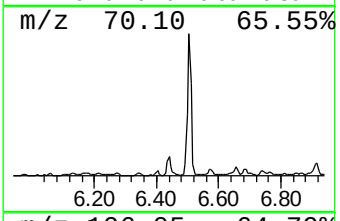


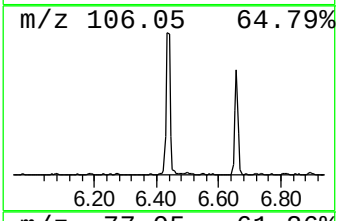


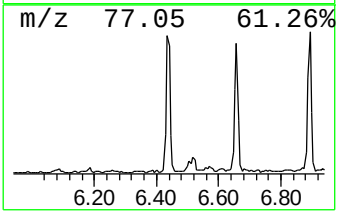












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Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
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Instrument : BNA_P
ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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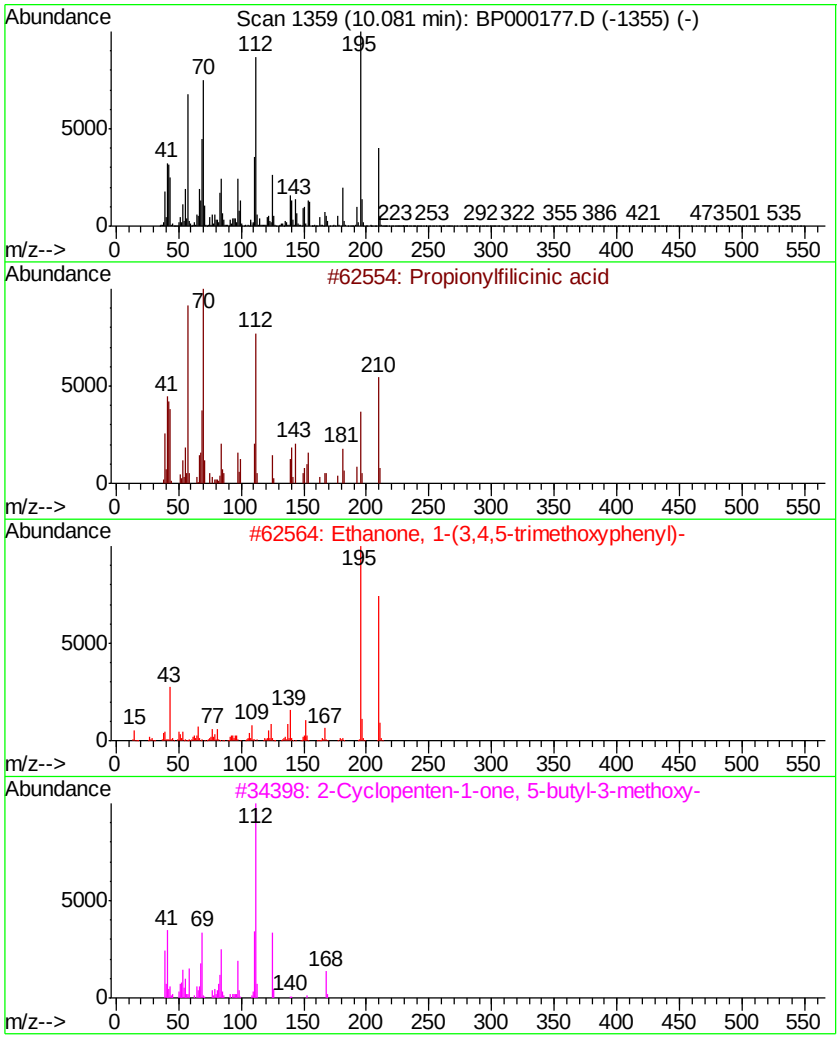
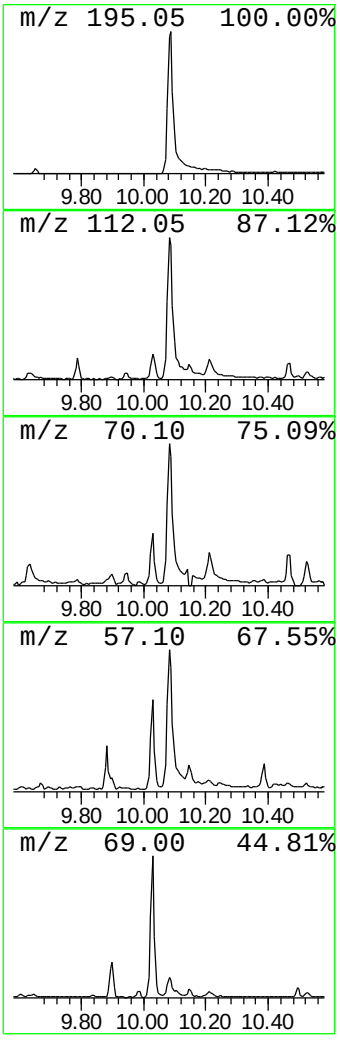
Peak Number 4 Propionylfilicinic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	5.82 ng/ul	1102890	Acenaphthene-d10	9.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propionylfilicinic acid	210	C11H14O4	016296-99-4	90
2	Ethanone, 1-(3,4,5-trimethoxyphe...	210	C11H14O4	001136-86-3	30
3	2-Cyclopenten-1-one, 5-butyl-3-m...	168	C10H16O2	053690-89-4	30
4	4-Cyano-4'-hydroxybiphenyl	195	C13H9NO	019812-93-2	25
5	2-Hydroxy-5-ethyl-5-methylcyclop...	140	C8H12O2	053263-57-3	25





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ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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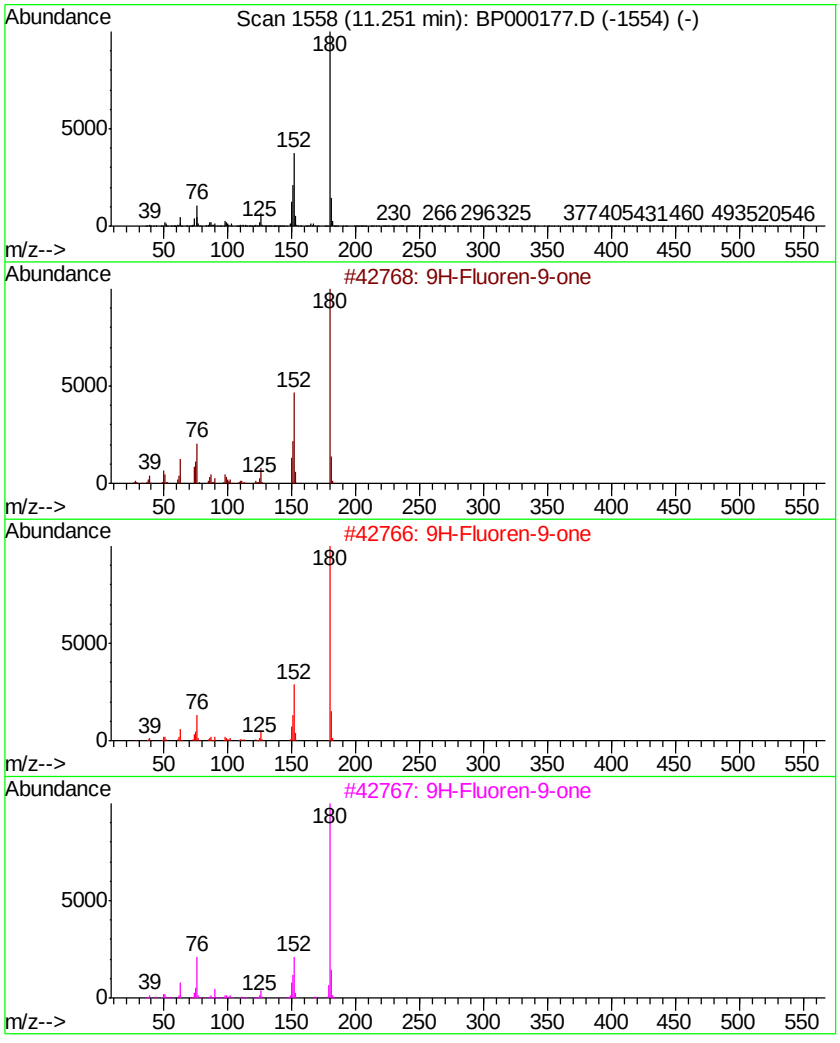
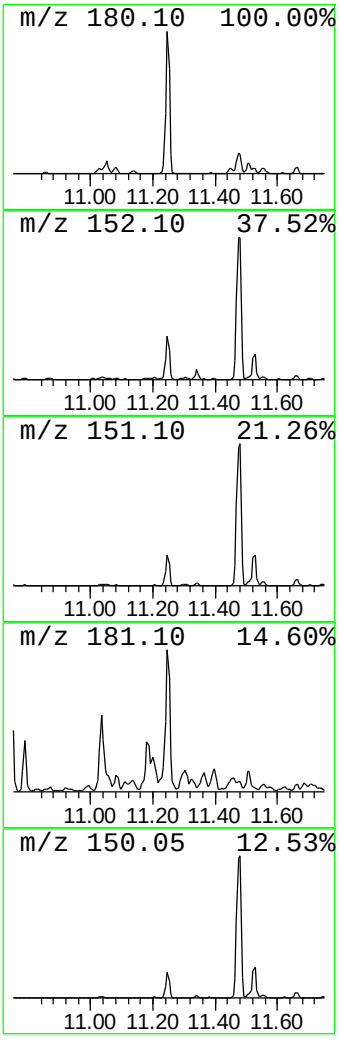
Peak Number 5 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	5.69 ng/ul	1072690	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
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	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Quant Title : SVOA CALIBRATION

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

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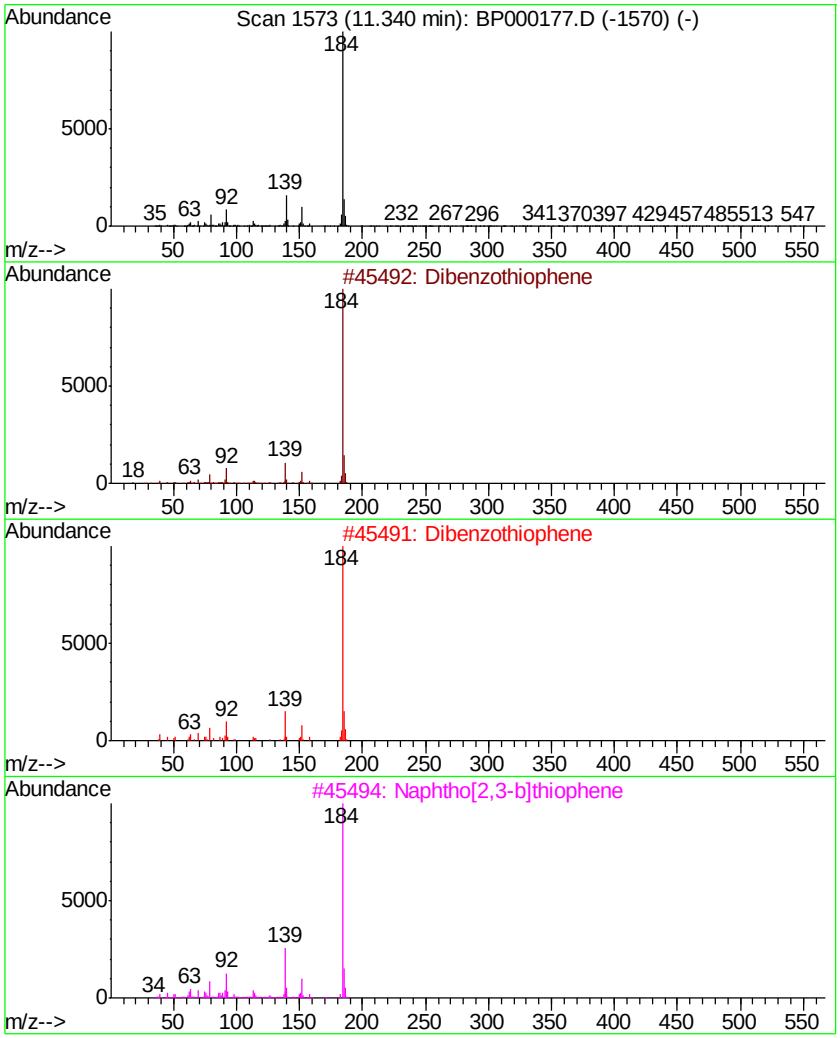
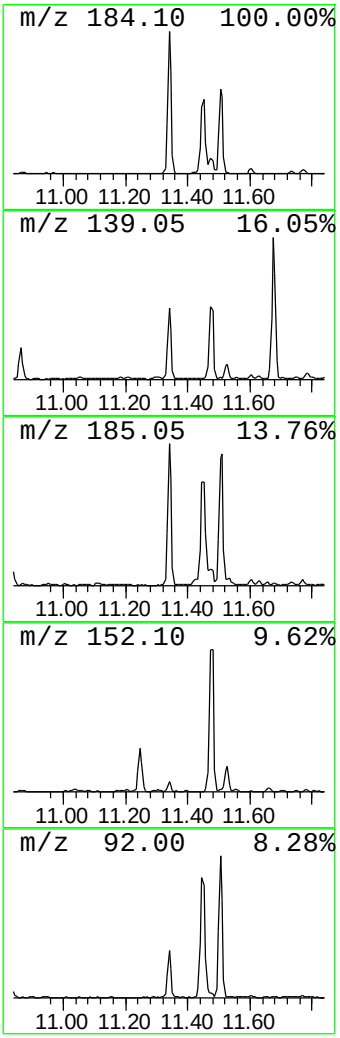
Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	4.27 ng/ul	803657	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Quant Title : SVOA CALIBRATION

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

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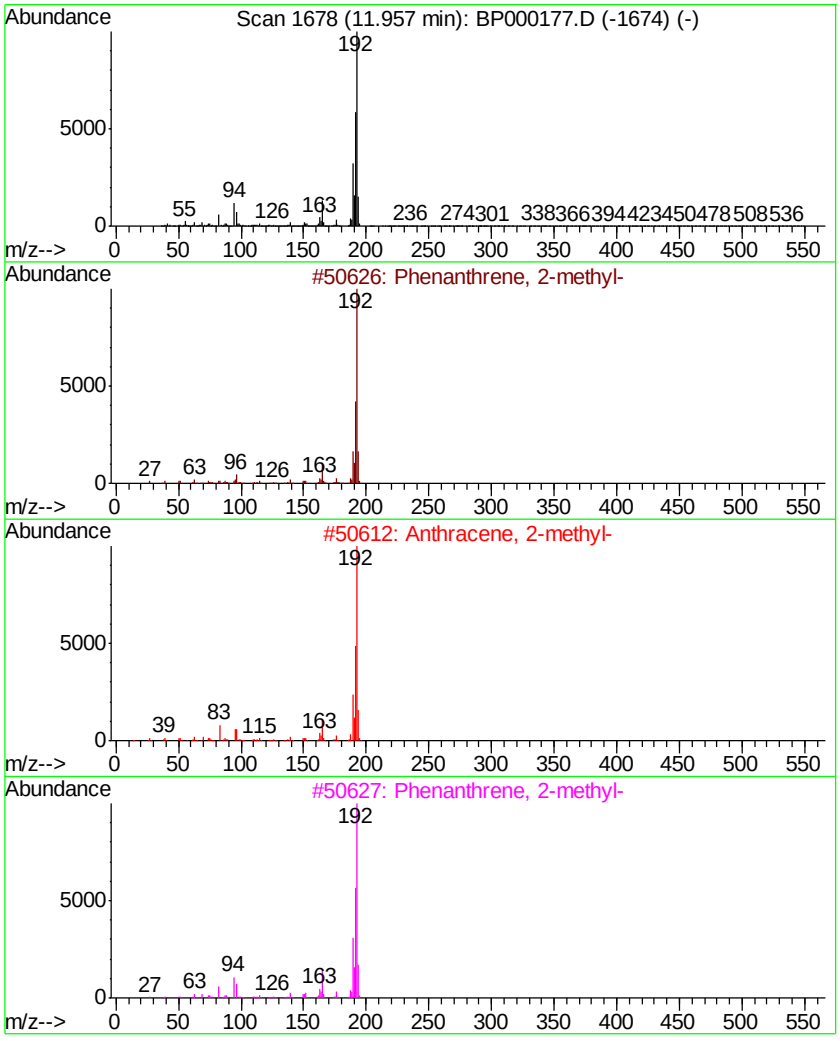
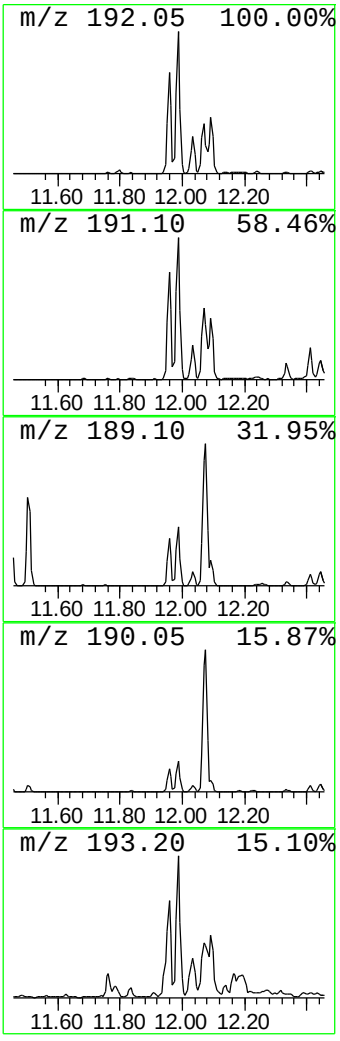
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	7.43 ng/ul	1399790	Phenanthrene-d10	11.45

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, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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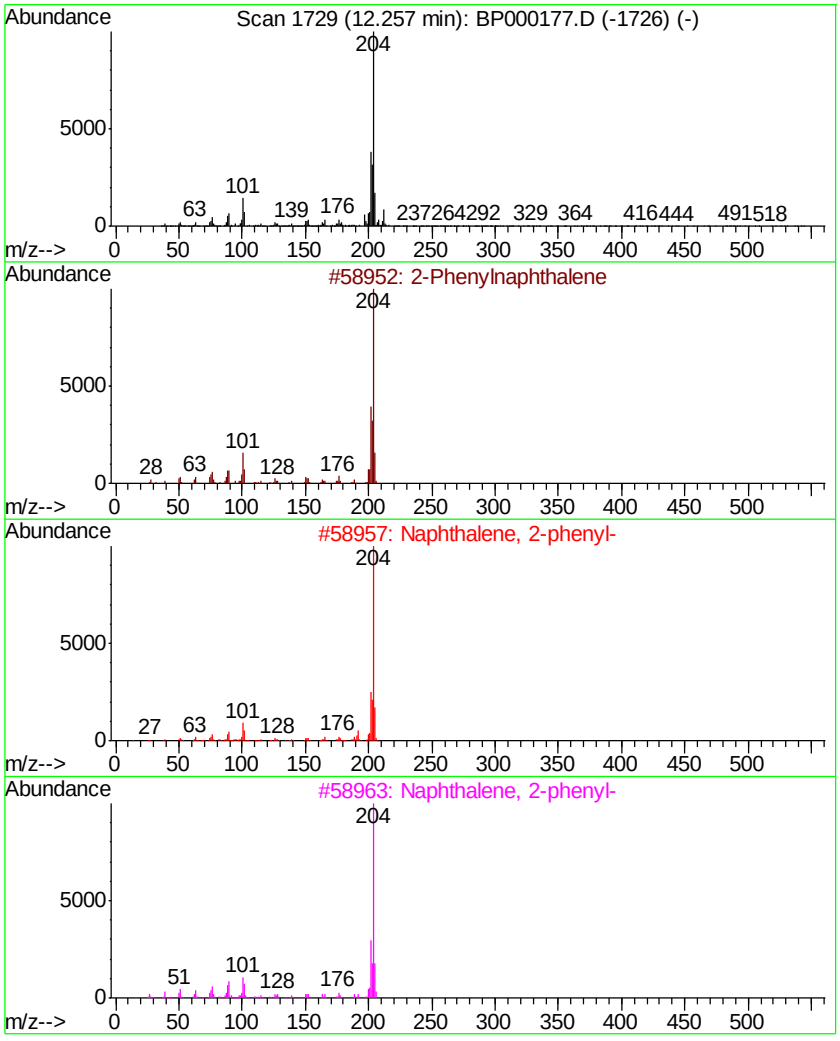
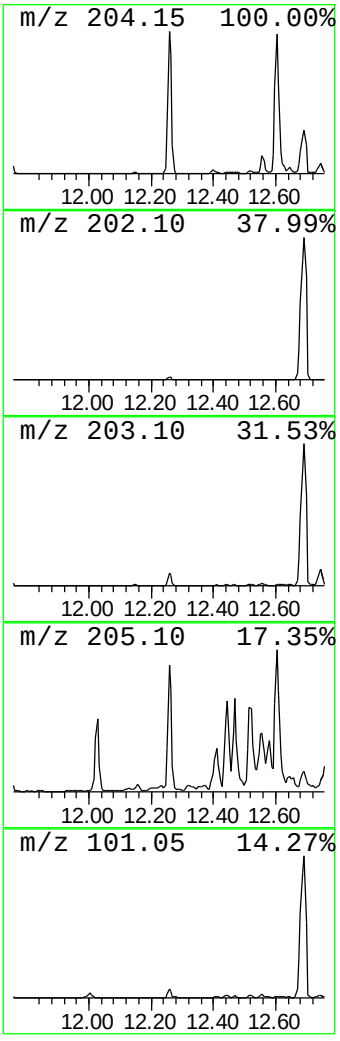
Peak Number 8 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	5.41 ng/ul	1018610	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78





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Sample : K4634-04
Misc :
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Instrument : BNA_P
ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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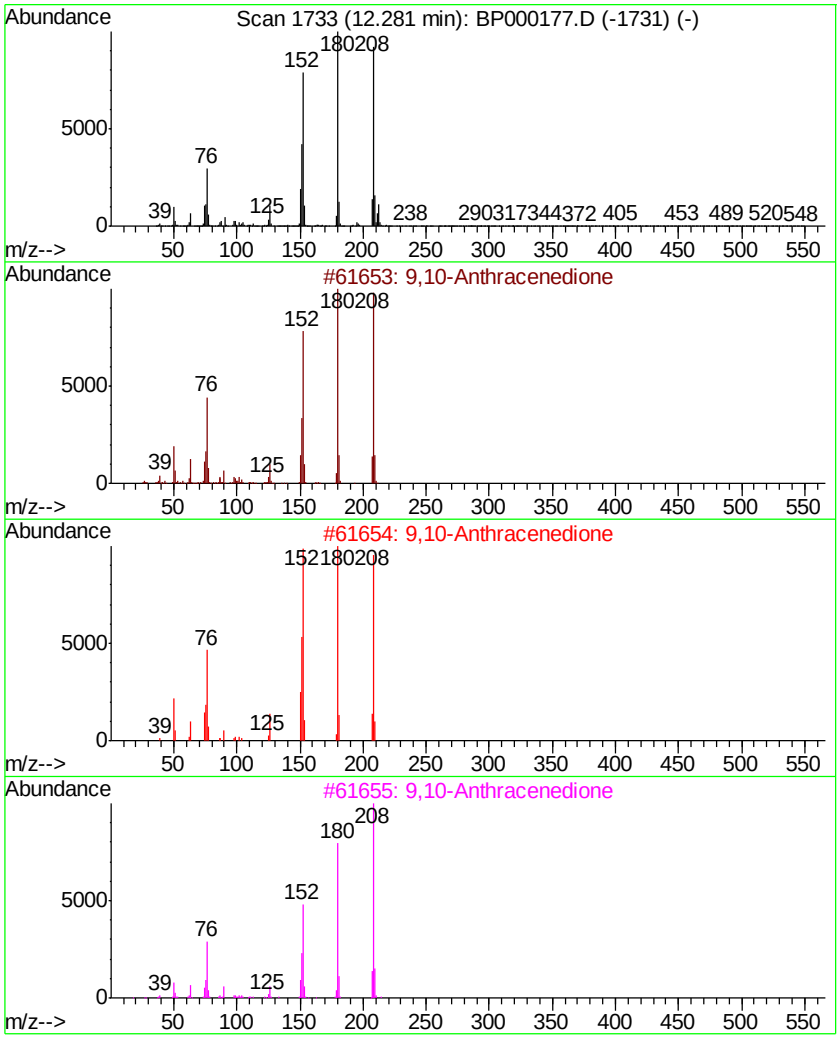
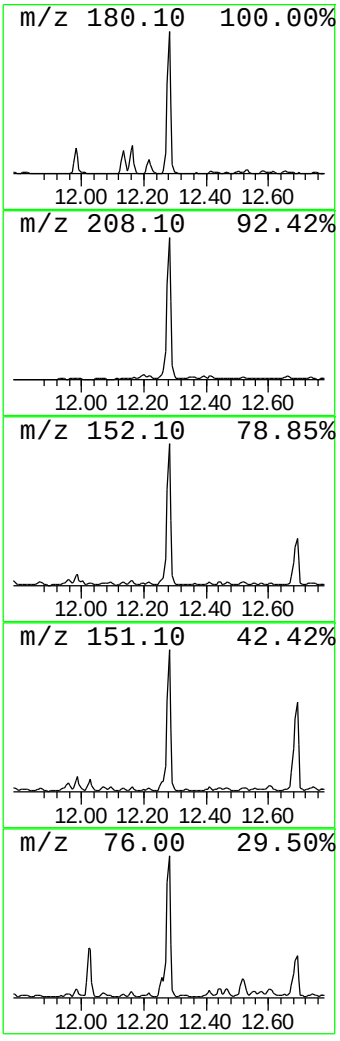
Peak Number 9 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	8.49 ng/ul	1598780	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Misc :
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Instrument : BNA_P
ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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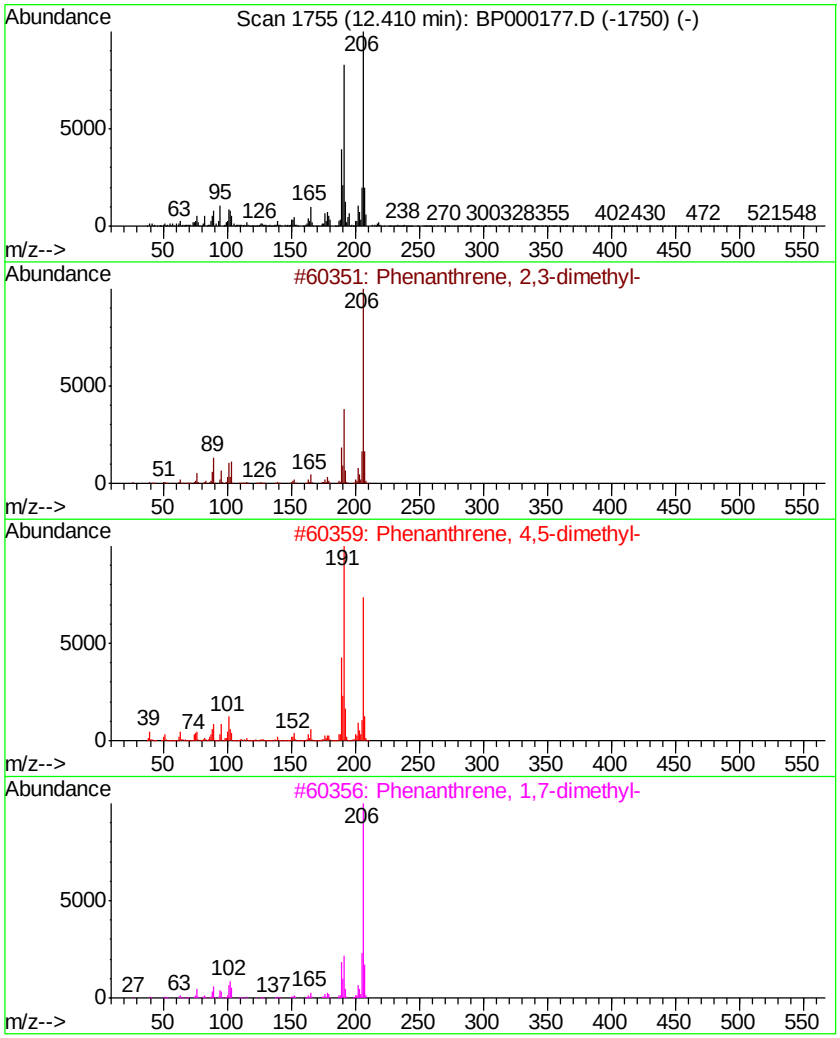
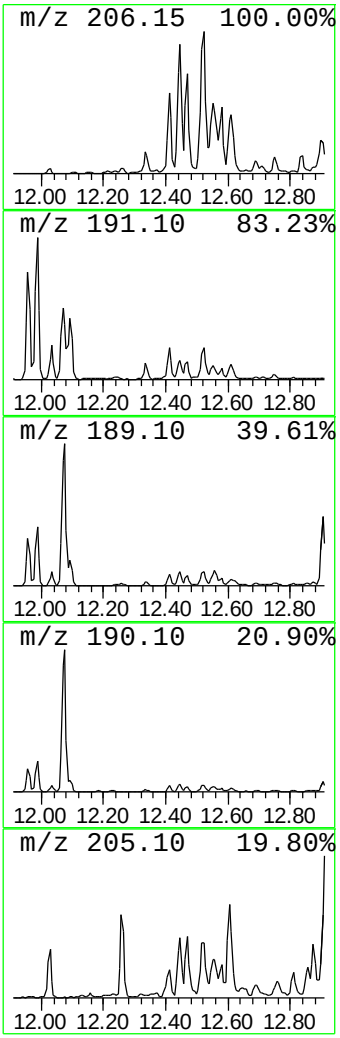
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.99 ng/ul	563284	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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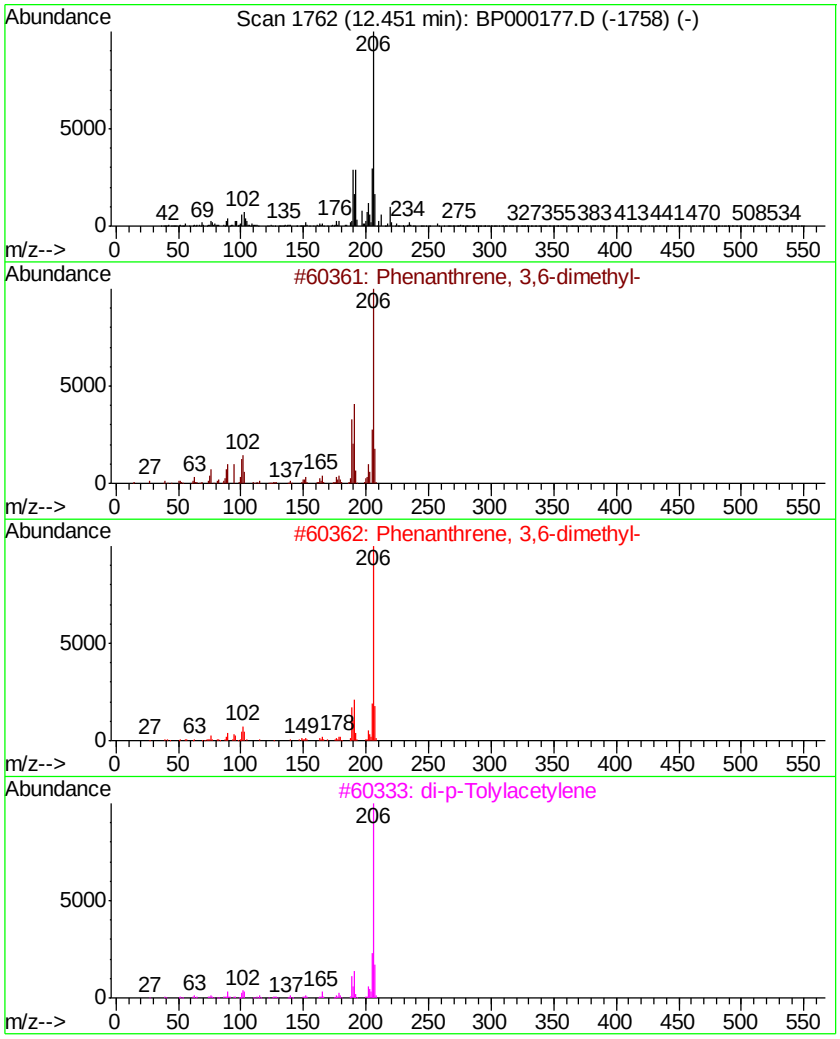
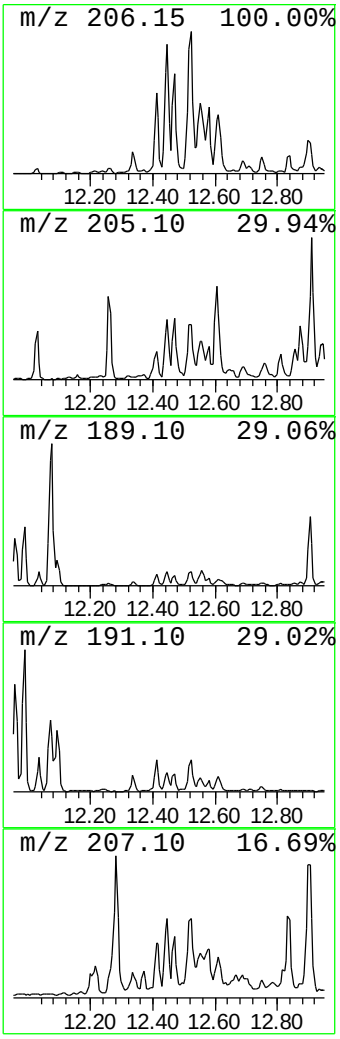
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.43 ng/ul	458725	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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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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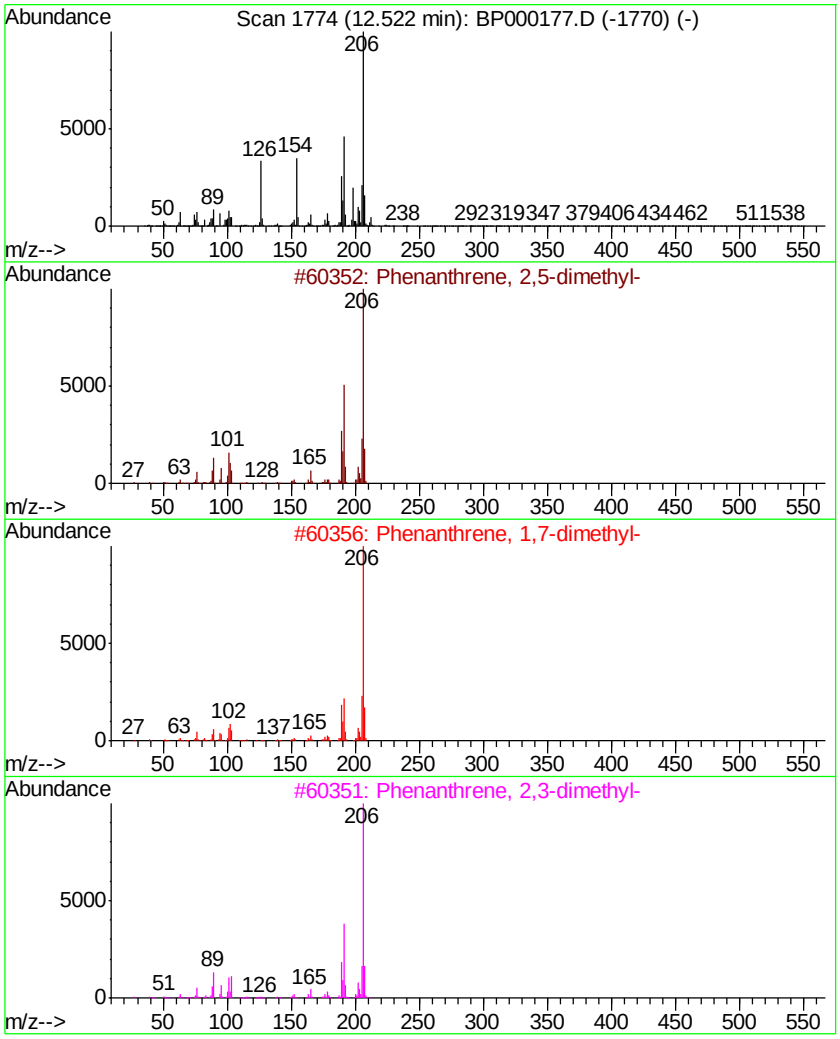
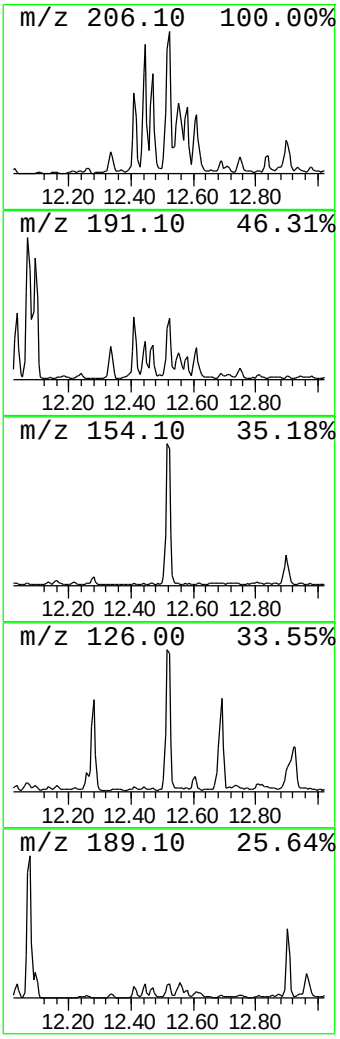
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.66 ng/ul	877409	Phenanthrene-d10	11.45

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	86
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





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Quant Title : SVOA CALIBRATION

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

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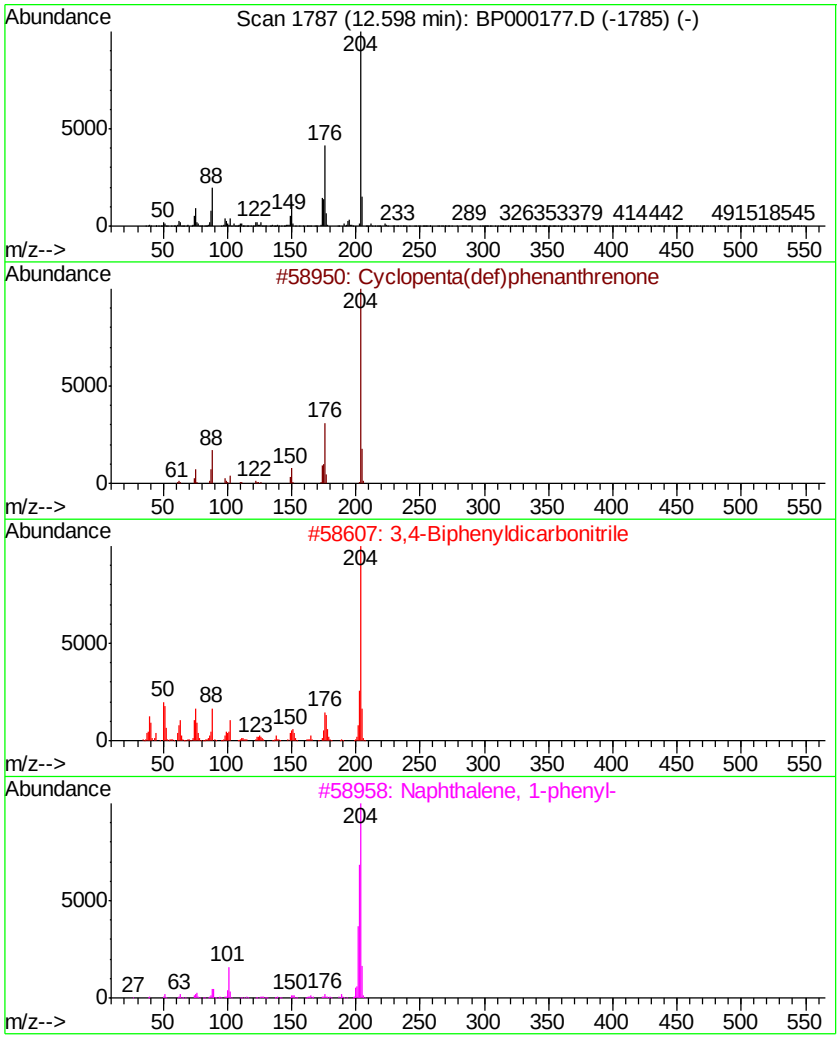
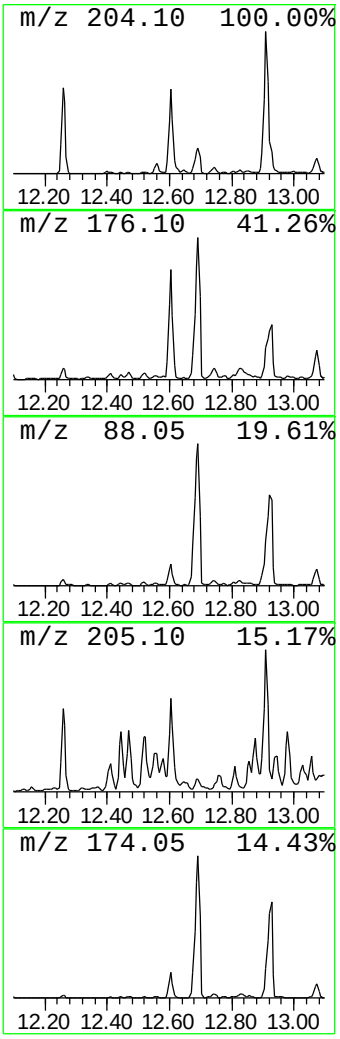
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	5.53 ng/ul	1042680	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	42





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Quant Title : SVOA CALIBRATION

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

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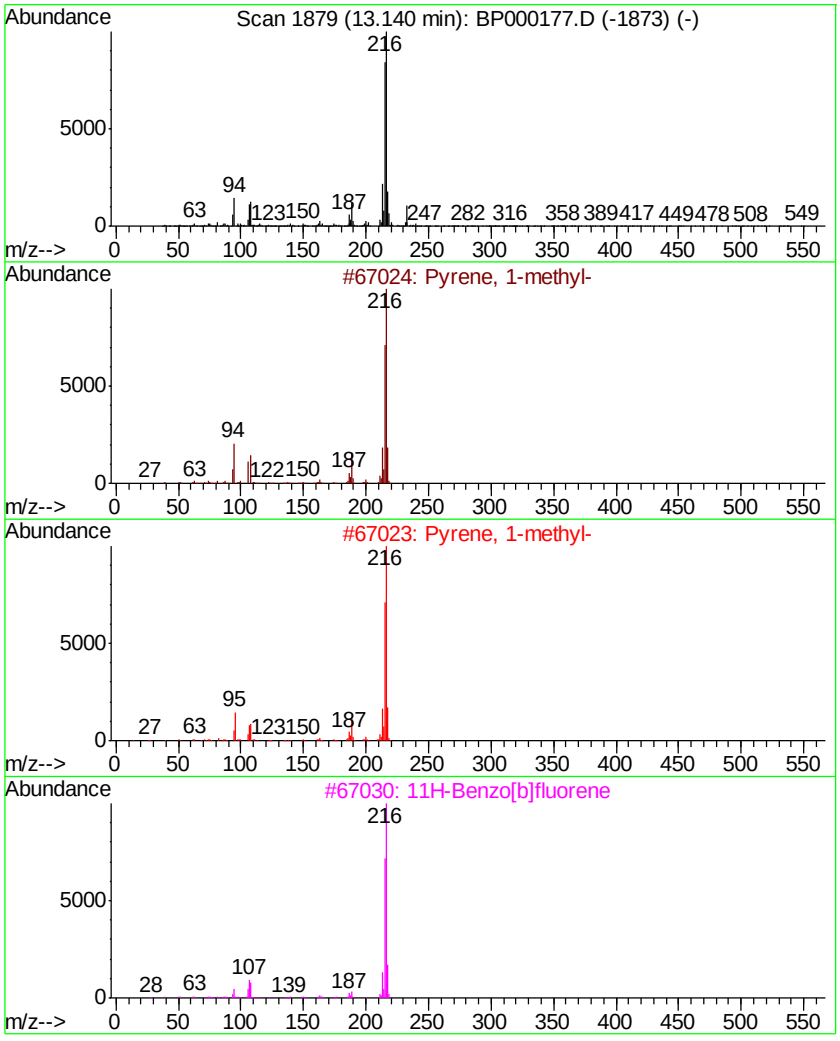
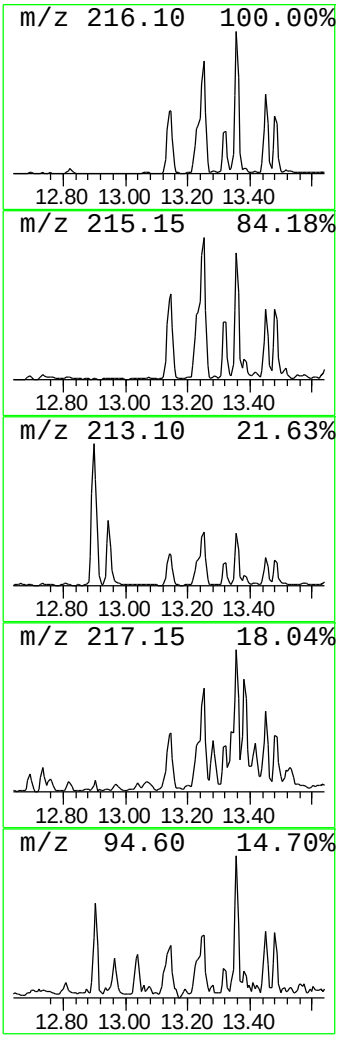
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.20 ng/ul	1742210	Chrysene-d12	14.15

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	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92





Library Search Compound Report

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Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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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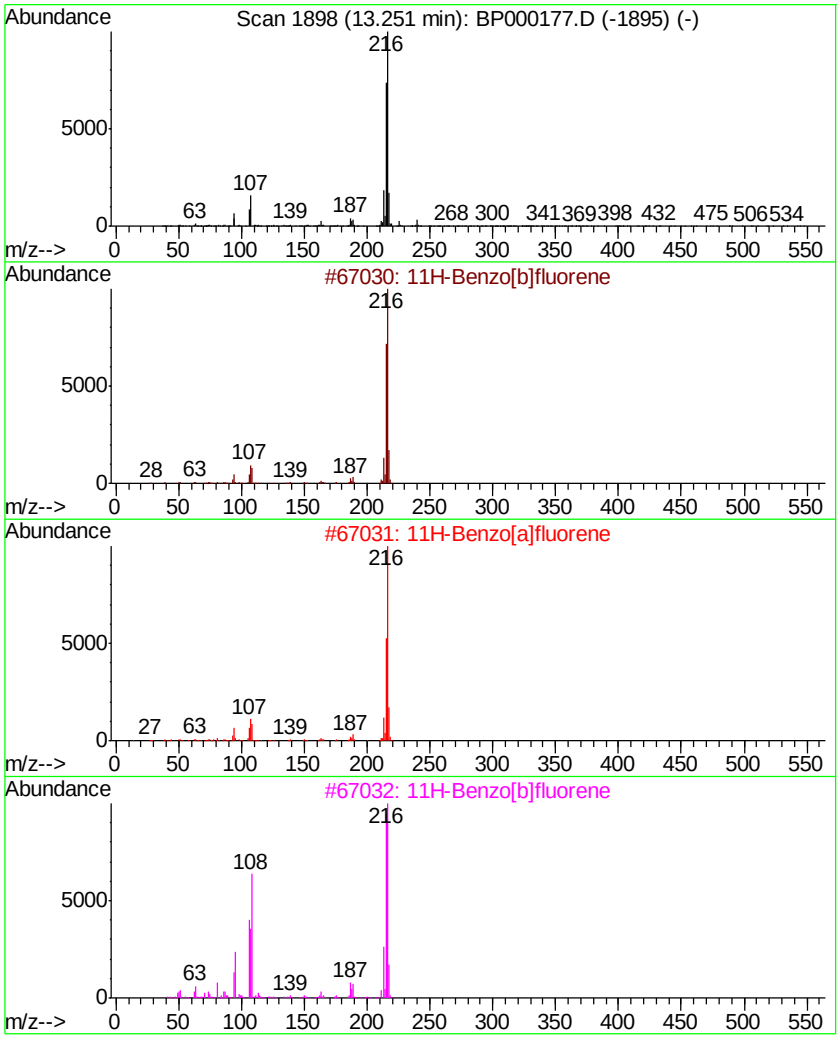
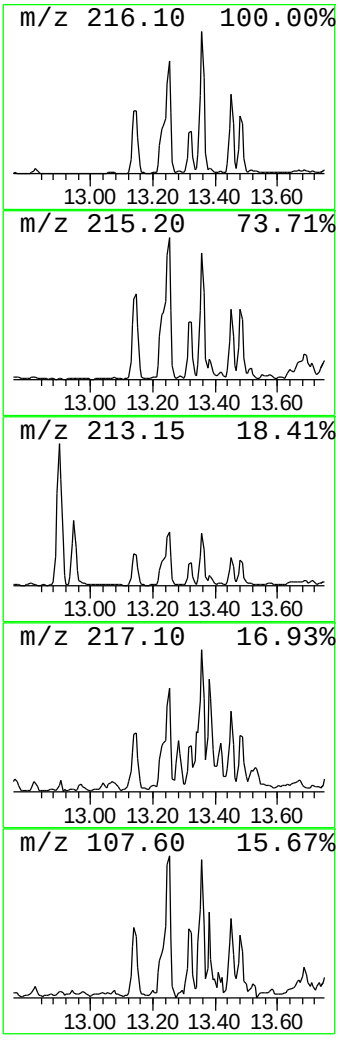
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.02 ng/ul	1603280	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Instrument : BNA_P
ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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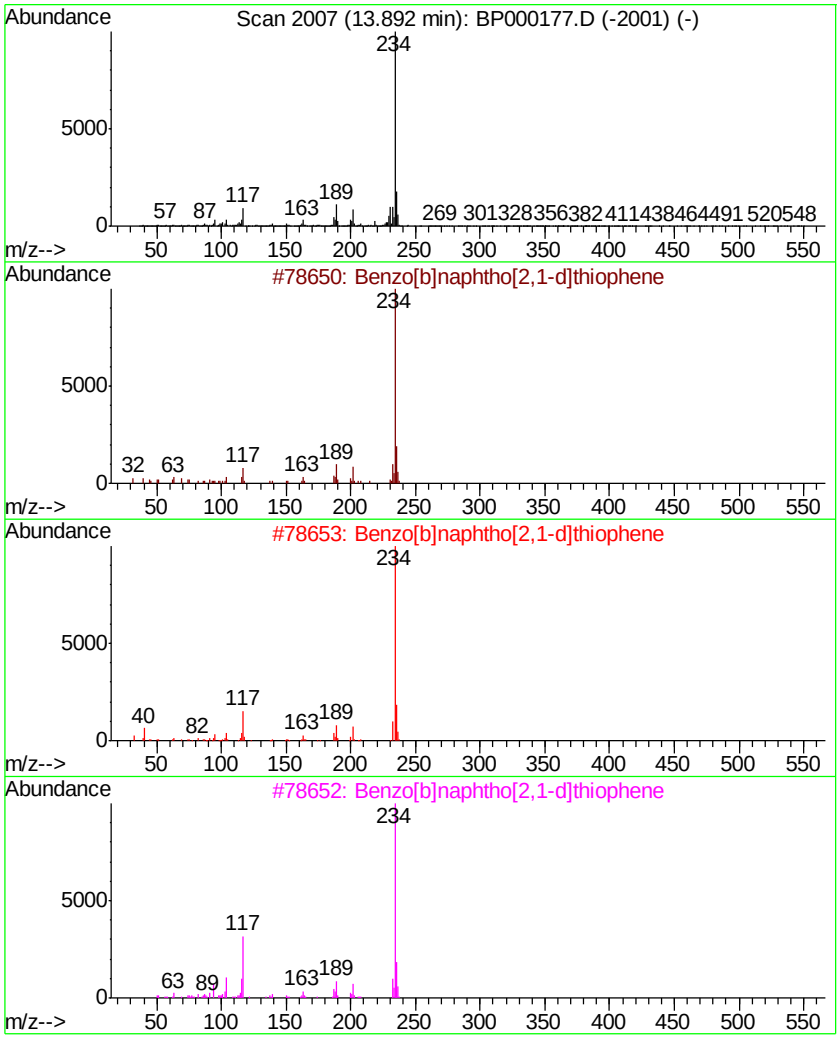
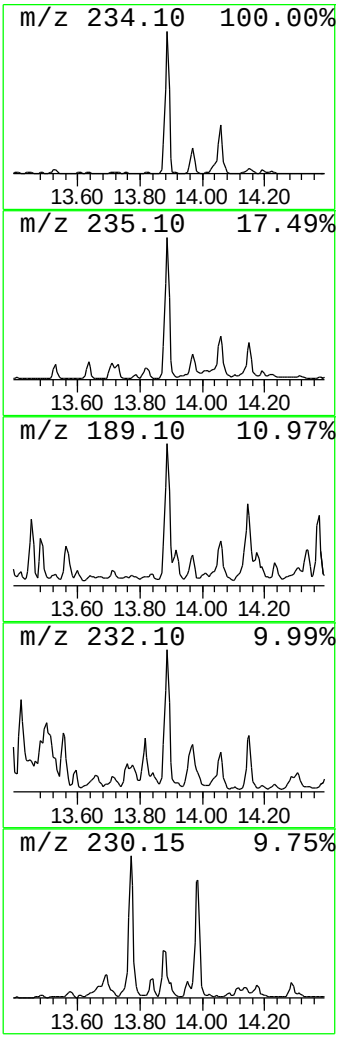
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	5.18 ng/ul	4105920	Chrysene-d12	14.15

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	94
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	91





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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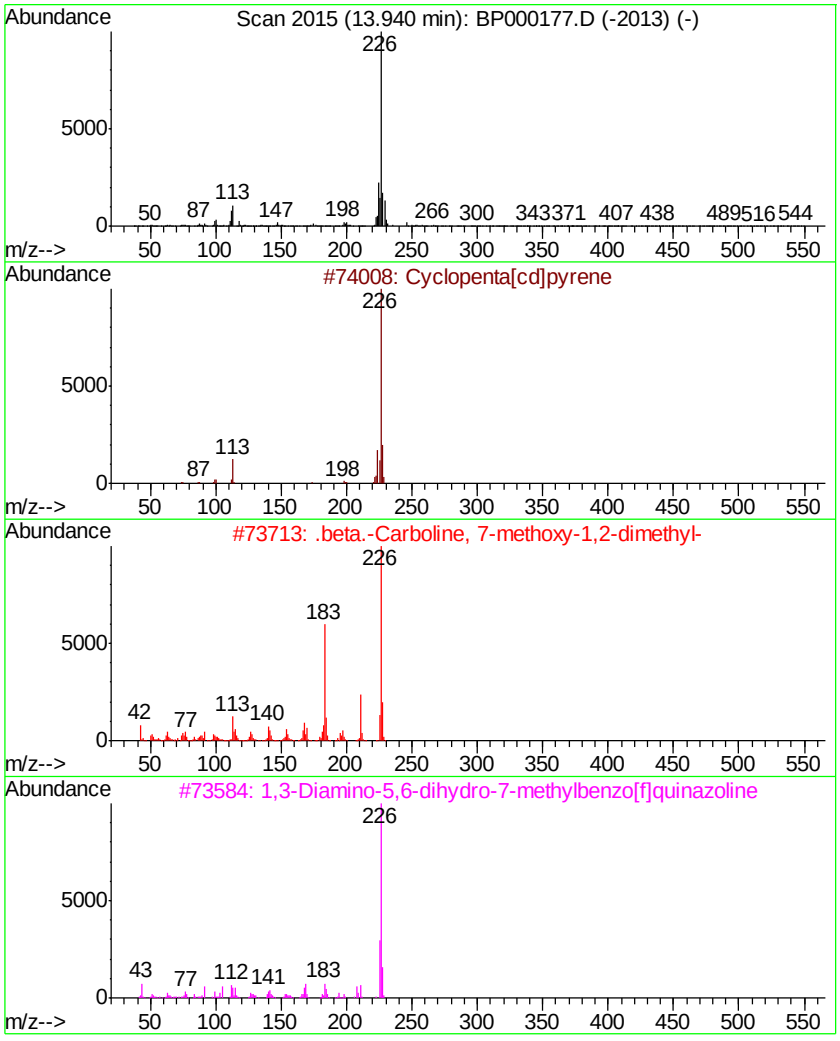
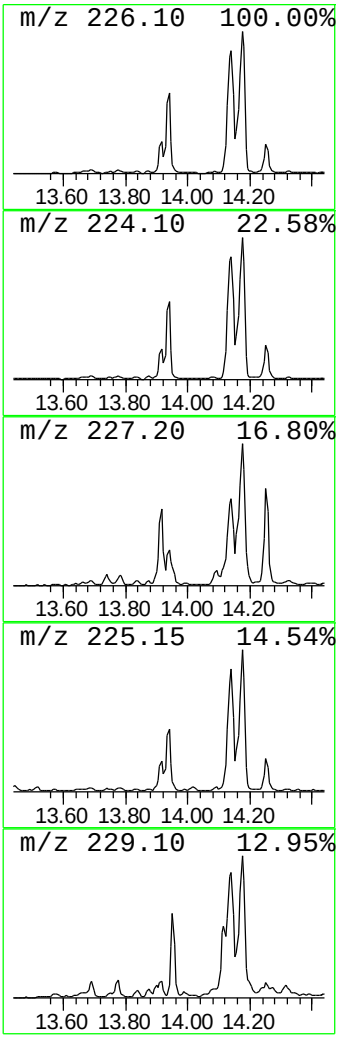
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.33 ng/ul	1847710	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	33





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Operator : HP/JU
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Misc :
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Instrument : BNA_P
ClientSampleId : F2D22

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Quant Title : SVOA CALIBRATION

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

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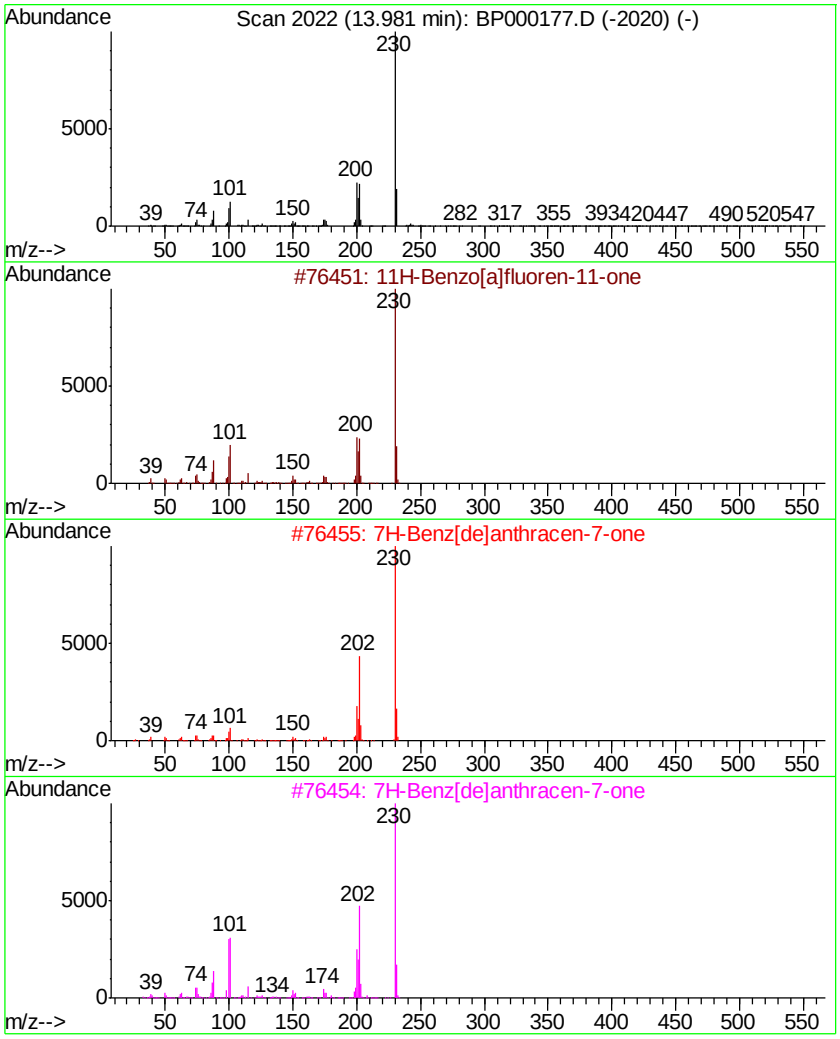
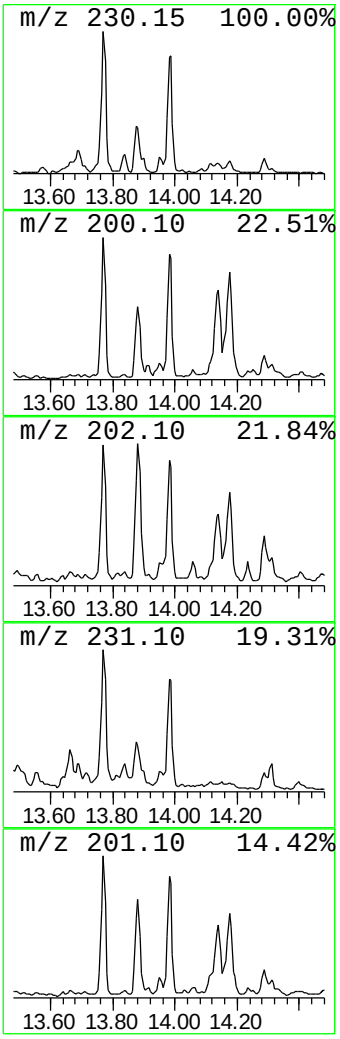
Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.18 ng/ul	1728910	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





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Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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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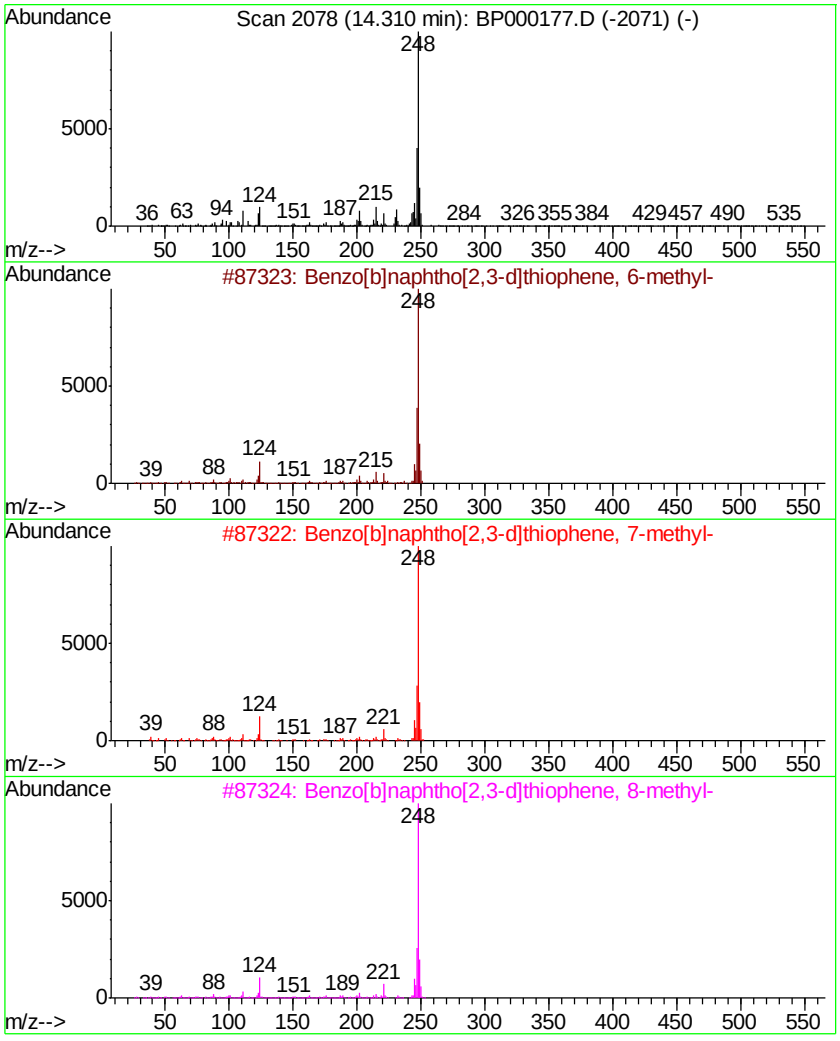
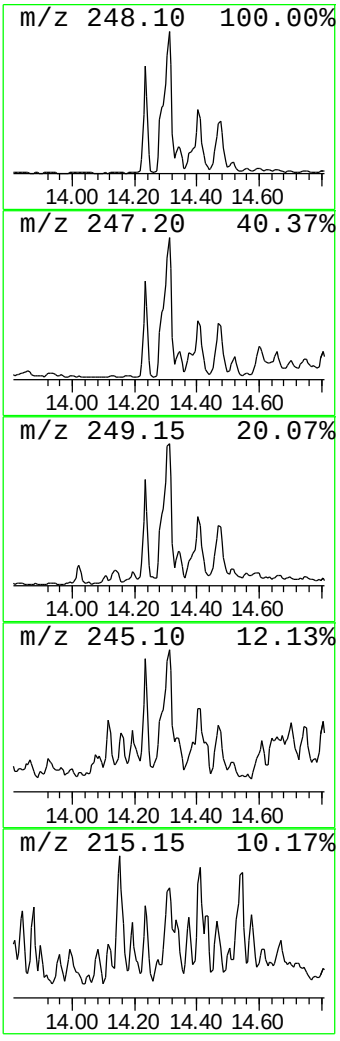
Peak Number 21 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	2.39 ng/ul	1898100	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	93
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	87
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	76
4	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	64
5	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	59





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Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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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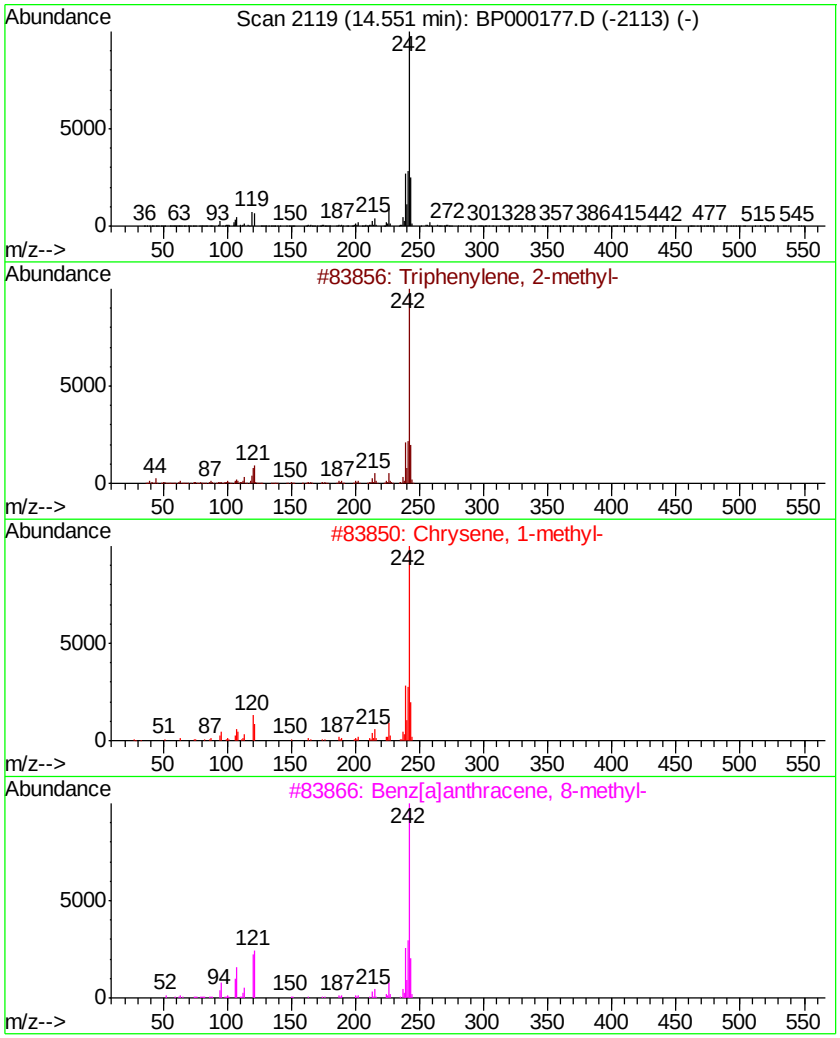
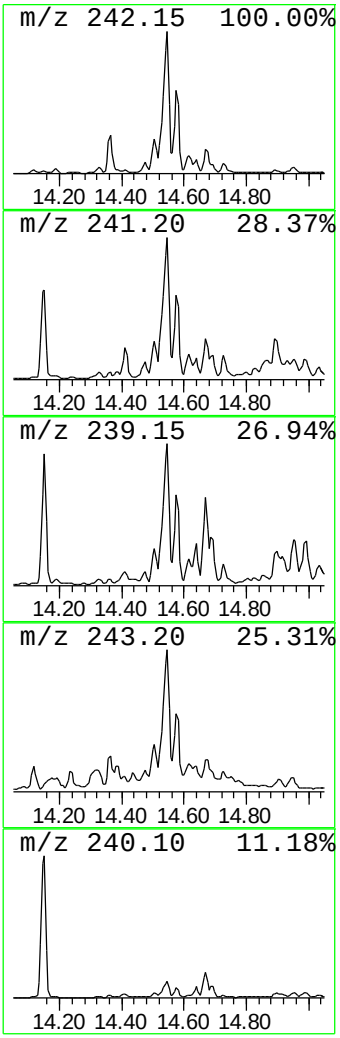
Peak Number 22 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.71 ng/ul	2940610	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	97
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	97
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96





Library Search Compound Report

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Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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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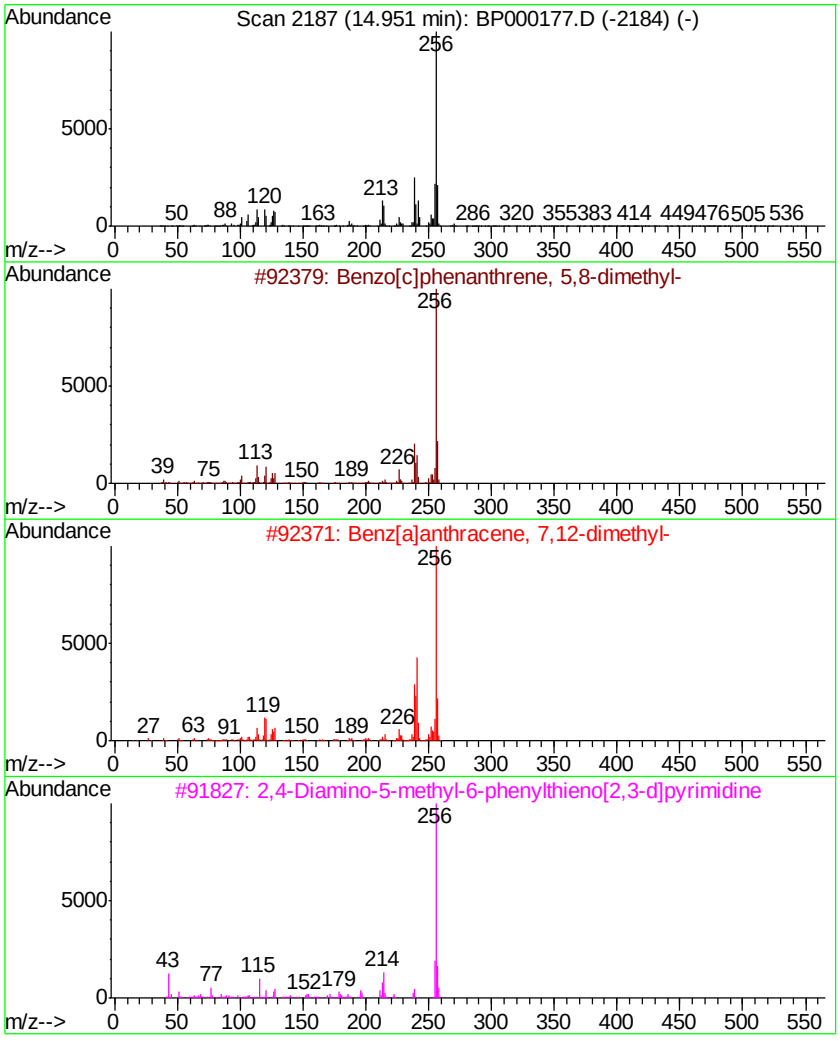
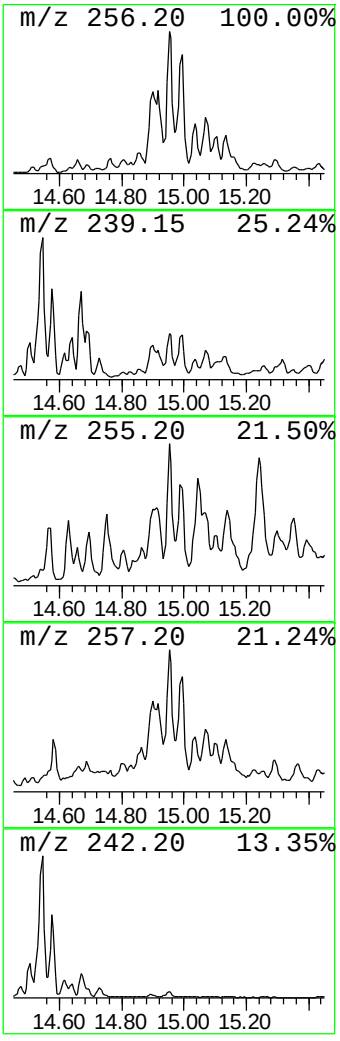
Peak Number 23 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.37 ng/ul	715318	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	89
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	86
3	2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	58
4	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	53
5	Phenol, 4-methyl-2-[5-(2-thienyl...	256	C14H12N2OS	309923-49-7	53





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Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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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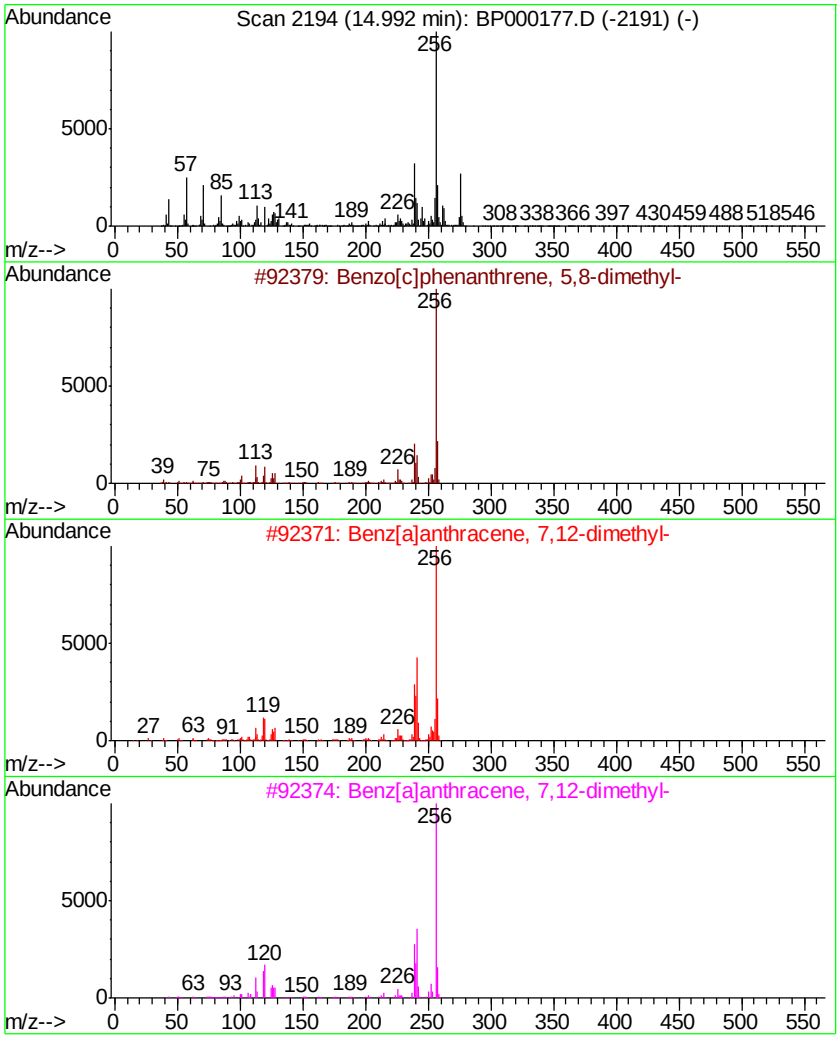
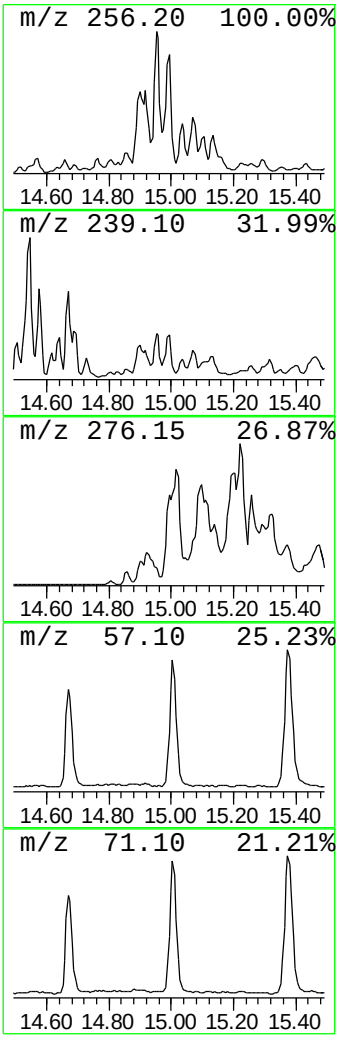
Peak Number 24 Benz[a]anthracene, 7,12-dim... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	8.81 ng/ul	1441010	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	95
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	60
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	60
4	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	60
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	60





Tentatively Identified Compound (LSC) summary

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Data File : BP000177.D
Acq On : 10 Sep 2019 20:13
Operator : HP/JU
Sample : K4634-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D22

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...	2.16	193.5	ng/ul	21938900	1	6.89	2267370	20.0
unknown-01	3.76	2.6	ng/ul	293679	1	6.89	2267370	20.0
(DEL) Alkane: Cyc...	6.44	2.3	ng/ul	257087	1	6.89	2267370	20.0
Propionylfilicini...	10.08	5.8	ng/ul	1102890	3	9.95	3788770	20.0
9H-Fluoren-9-one	11.25	5.7	ng/ul	1072690	4	11.45	3768410	20.0
Dibenzothiophene	11.34	4.3	ng/ul	803657	4	11.45	3768410	20.0
Phenanthrene, 2-m...	11.96	7.4	ng/ul	1399790	4	11.45	3768410	20.0
2-Phenylnaphthalene	12.26	5.4	ng/ul	1018610	4	11.45	3768410	20.0
9,10-Anthracenedione	12.28	8.5	ng/ul	1598780	4	11.45	3768410	20.0
Phenanthrene, 2,3...	12.41	3.0	ng/ul	563284	4	11.45	3768410	20.0
Phenanthrene, 3,6...	12.45	2.4	ng/ul	458725	4	11.45	3768410	20.0
Phenanthrene, 1,7...	12.52	4.7	ng/ul	877409	4	11.45	3768410	20.0
Cyclopenta(def)ph...	12.60	5.5	ng/ul	1042680	4	11.45	3768410	20.0
Pyrene, 1-methyl-	13.14	2.2	ng/ul	1742210	5	14.15	15855300	20.0
11H-Benzo[b]fluorene	13.25	2.0	ng/ul	1603280	5	14.15	15855300	20.0
Benzo[b]naphtho[2...	13.89	5.2	ng/ul	4105920	5	14.15	15855300	20.0
Cyclopenta[cd]pyrene	13.94	2.3	ng/ul	1847710	5	14.15	15855300	20.0
11H-Benzo[a]fluor...	13.98	2.2	ng/ul	1728910	5	14.15	15855300	20.0
Benzo[b]naphtho[2...	14.31	2.4	ng/ul	1898100	5	14.15	15855300	20.0
Triphenylene, 2-m...	14.55	3.7	ng/ul	2940610	5	14.15	15855300	20.0
Benzo[c]phenanthr...	14.95	4.4	ng/ul	715318	6	15.69	3270380	20.0
Benz[a]anthracene...	14.99	8.8	ng/ul	1441010	6	15.69	3270380	20.0