LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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	7	14	19	rBV	8579465	13061006	100.00%	8.598%
2	3.769	281	286	294	rBV	80238	112280	0.86%	0.074%
3	3.969	316	320	324	rVV	76112	105933	0.81%	0.070%
4	6.511	748	752	759	rBV2	1510148	1335523	10.23%	0.879%
5	6.569	759	762	767	rVB	1034866	959802	7.35%	0.632%
6	6.658	774	777	781	rBV	1452050	1249816	9.57%	0.823%
7	6.893	814	817	821	rBV	2948584	2357236	18.05%	1.552%
8	7.258	876	879	883	rBV	1682121	1352490	10.36%	0.890%
9	7.446	908	911	915	rVV	1312580	1050009	8.04%	0.691%
10	7.775	963	967	970	rBV	1079536	816084	6.25%	0.537%
11	8.016	1005	1008	1012	rBV	1783178	1408640	10.79%	0.927%
12	8.181	1032	1036	1039	rVV	3772172	3163244	24.22%	2.082%
13	8.234	1041	1045	1060	rVB	712203	683761	5.24%	0.450%
14	9.634	1280	1283	1285	rVV	2232510	1824242	13.97%	1.201%
15	9.657	1285	1287	1292	rVB	583805	484591	3.71%	0.319%
16	9.793	1306	1310	1320	rBV2	2847722	2742811	21.00%	1.806%
17	9.946	1333	1336	1340	rVV	4078007	3713021	28.43%	2.444%
18	9.981	1340	1342	1345	rVV	439415	339443	2.60%	0.223%
19	10.040	1348	1352	1362	rVV	481065	666401	5.10%	0.439%
20	10.152	1368	1371	1376	rVB	220657	195696	1.50%	0.129%
21	10.469	1422	1425	1428	rVV	2957194	2695873	20.64%	1.775%
22	10.499	1428	1430	1434	rVB	281324	239499	1.83%	0.158%
23	10.540	1434	1437	1440	rBV2	170600	200275	1.53%	0.132%
24	10.593	1444	1446	1452	rVV4	50898	93911	0.72%	0.062%
25	10.740	1468	1471	1476	rVB	196206	190754	1.46%	0.126%
26	10.869	1488	1493	1496	rBV3	102053	123743	0.95%	0.081%
27	11.210	1549	1551	1555	rVV2	83064	92778	0.71%	0.061%
28	11.251	1555	1558	1563	rVB	370520	368271	2.82%	0.242%
29	11.310	1563	1568	1572	rBV4	71554	145056	1.11%	0.095%
30	11.346	1572	1574	1580	rVB	268615	247960	1.90%	0.163%
31	11.457	1588	1593	1595	rBV	3650662	3995490	30.59%	2.630%
32	11.481	1595	1597	1600	rVV	4784652	3965953	30.36%	2.611%
33	11.510	1600	1602	1604	rVV	2821895	2570814	19.68%	1.692%
34	11.528	1604	1605	1609	rVB	1114562	804448	6.16%	0.530%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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	11.563	1609	1611	1615	rVB	114919	103412	0.79%	0.068%
36	11.622	1619	1621	1626	rVB4	68942	83700	0.64%	0.055%
37	11.687	1626	1632	1635	rBV2	645505	735827	5.63%	0.484%
38	11.793	1647	1650	1655	rVB3	173691	172441	1.32%	0.114%
39	11.875	1661	1664	1668	rVB	91962	108202	0.83%	0.071%
40	11.922	1669	1672	1675	rBV2	73133	87060	0.67%	0.057%
41	11.963	1675	1679	1682	rVV	572900	636846	4.88%	0.419%
42	11.998	1682	1685	1689	rVV2	1308231	1518996	11.63%	1.000%
43	12.040	1689	1692	1695	rVV2	252292	323779	2.48%	0.213%
44	12.081	1695	1699	1701	rVV	706872	832514	6.37%	0.548%
45	12.098	1701	1702	1707	rVB	320829	275632	2.11%	0.181%
46	12.146	1707	1710	1712	rBV2	65349	79308	0.61%	0.052%
47	12.175	1712	1715	1718	rVV3	105516	130287	1.00%	0.086%
48	12.263	1727	1730	1732	rVV	347067	347348	2.66%	0.229%
49	12.293	1732	1735	1741	rVB	602648	667765	5.11%	0.440%
50	12.416	1751	1756	1759	rBV2	214098	268779	2.06%	0.177%
51	12.451	1759	1762	1764	rVV	229915	203869	1.56%	0.134%
52	12.475	1764	1766	1770	rVB	194450	185392	1.42%	0.122%
53	12.528	1771	1775	1778	rBV	328042	435057	3.33%	0.286%
54	12.563	1778	1781	1784	rVV2	203580	331952	2.54%	0.219%
55	12.616	1787	1790	1795	rVV	561485	663564	5.08%	0.437%
56	12.698	1799	1804	1809	rVV	7685479	8454607	64.73%	5.565%
57	12.740	1809	1811	1813	rVV	152136	184243	1.41%	0.121%
58	12.804	1817	1822	1825	rVV2	250062	460261	3.52%	0.303%
59	12.845	1825	1829	1833	rVV2	363373	619025	4.74%	0.407%
60	12.934	1836	1844	1849	rVV2	6423386	10981036	84.07%	7.229%
61	12.981	1849	1852	1860	rVV2	280003	548706	4.20%	0.361%
62	13.051	1860	1864	1867	rVV	387295	478528	3.66%	0.315%
63	13.087	1867	1870	1875	rVB	416255	547365	4.19%	0.360%
64	13.157	1876	1882	1885	rBV2	564750	1028312	7.87%	0.677%
65	13.210	1889	1891	1893	rVV2	110715	121712	0.93%	0.080%
66	13.240	1893	1896	1898	rVV2	552379	735113	5.63%	0.484%
67	13.263	1898	1900	1904	rVB	614374	639900	4.90%	0.421%
68	13.334	1909	1912	1914	rBV	205087	189515	1.45%	0.125%
69	13.369	1914	1918	1926	rVB3	992868	1494373	11.44%	0.984%
70	13.434	1926	1929	1931	rVB	111846	107644	0.82%	0.071%
71	13.469	1931	1935	1937	rBV	491457	512370	3.92%	0.337%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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	13.498	1937	1940	1944	rVB2	419097	447022	3.42%	0.294%
73	13.569	1949	1952	1955	rVB2	135009	127202	0.97%	0.084%
74	13.657	1964	1967	1969	rBV4	159388	214709	1.64%	0.141%
75	13.745	1980	1982	1985	rVB	159392	134304	1.03%	0.088%
76	13.792	1986	1990	1995	rVB	1039195	1389308	10.64%	0.915%
77	13.851	1998	2000	2004	rVB	158722	184518	1.41%	0.121%
78	13.904	2004	2009	2012	rBV	1274272	2022073	15.48%	1.331%
79	13.957	2015	2018	2024	rVV3	449574	901474	6.90%	0.593%
80	14.016	2024	2028	2035	rVB2	780159	1494289	11.44%	0.984%
81	14.075	2035	2038	2045	rVB	195988	253374	1.94%	0.167%
82	14.163	2045	2053	2056	rBV3	4855427	9708729	74.33%	6.391%
83	14.192	2056	2058	2065	rVV	3966004	5223667	39.99%	3.439%
84	14.269	2066	2071	2074	rVB2	228374	423516	3.24%	0.279%
85	14.492	2101	2109	2117	rBV9	616090	2089885	16.00%	1.376%
86	14.563	2117	2121	2125	rVV	908759	1438743	11.02%	0.947%
87	14.598	2125	2127	2131	rVB	360821	428105	3.28%	0.282%
88	14.916	2177	2181	2189	rVB5	276798	742382	5.68%	0.489%
89	15.016	2195	2198	2204	rVB5	485533	792855	6.07%	0.522%
90	15.098	2209	2212	2220	rVB2	337736	670664	5.13%	0.441%
91	15.216	2229	2232	2235	rVB3	202423	256952	1.97%	0.169%
92	15.287	2236	2244	2256	rVV	3436184	9716169	74.39%	6.396%
93	15.392	2256	2262	2273	rVB2	805574	2625275	20.10%	1.728%
94	15.610	2292	2299	2306	rBV2	1644706	5559298	42.56%	3.660%
95	15.675	2306	2310	2316	rVV	1877671	4167111	31.90%	2.743%
96	15.745	2316	2322	2342	rVB3	1240073	5134999	39.32%	3.380%
97	16.292	2410	2415	2422	rVB2	517805	1051459	8.05%	0.692%
98	17.351	2587	2595	2613	rVB2	980731	3782365	28.96%	2.490%
99	17.516	2618	2623	2636	rVV7	363173	1331894	10.20%	0.877%
100	17.980	2698	2702	2716	rVB7	345376	949406	7.27%	0.625%

Sum of corrected areas: 151913041

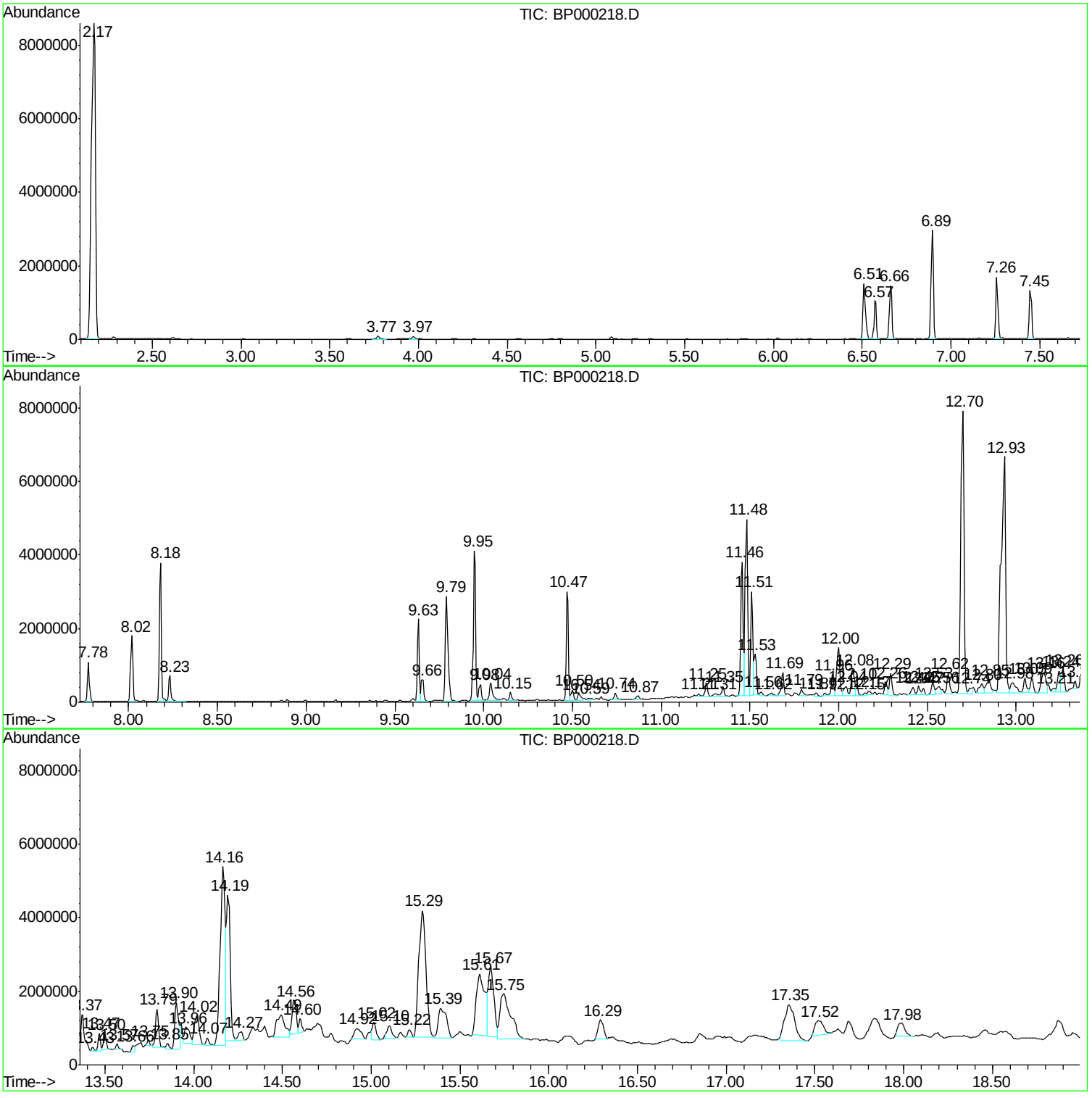
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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 : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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

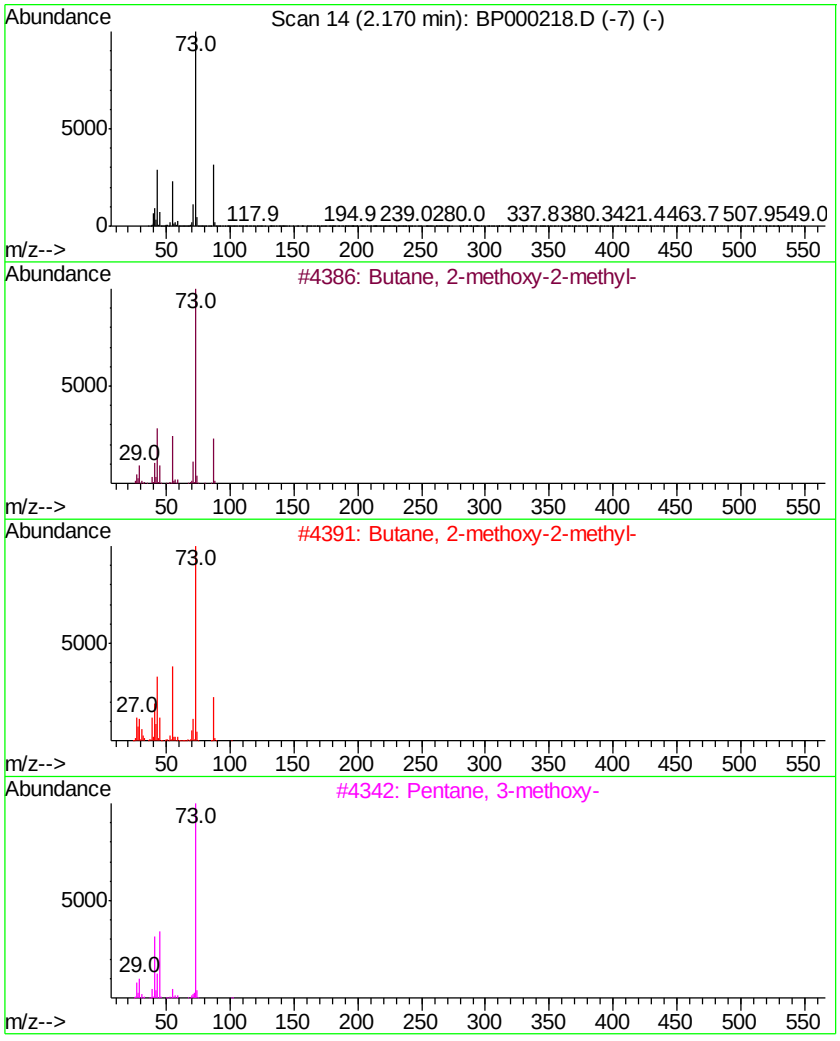
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

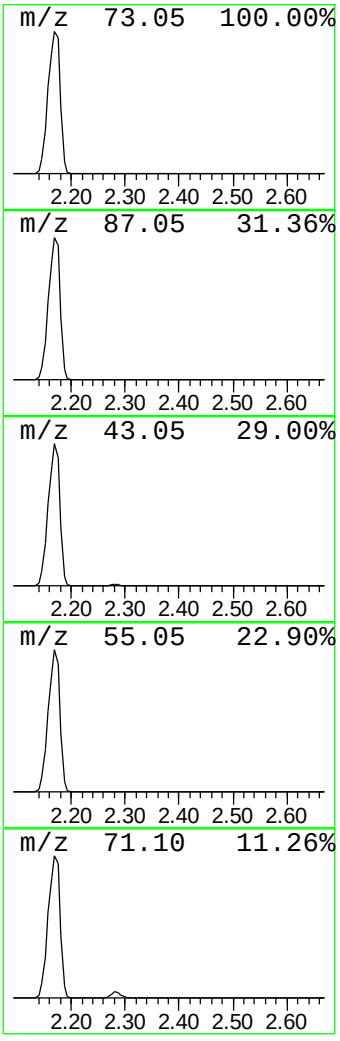
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	110.82 ng/ul	13061000	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,4-Butanediamine	88	C4H12N2	000110-60-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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

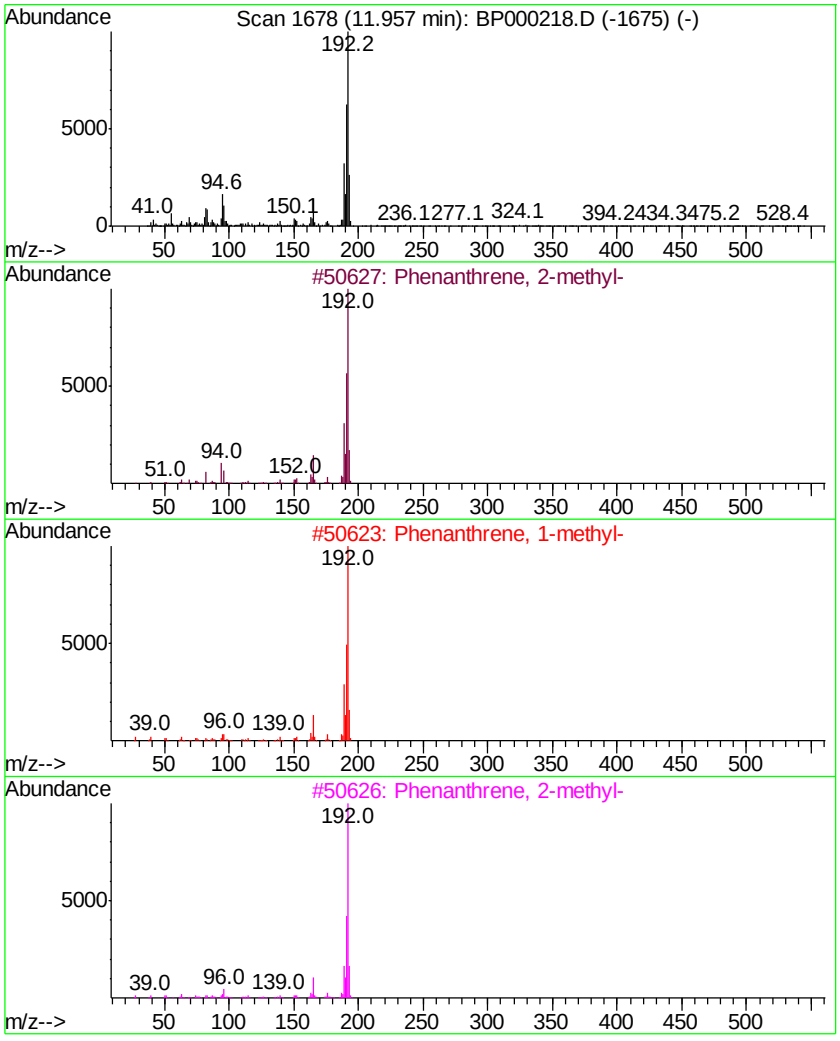
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

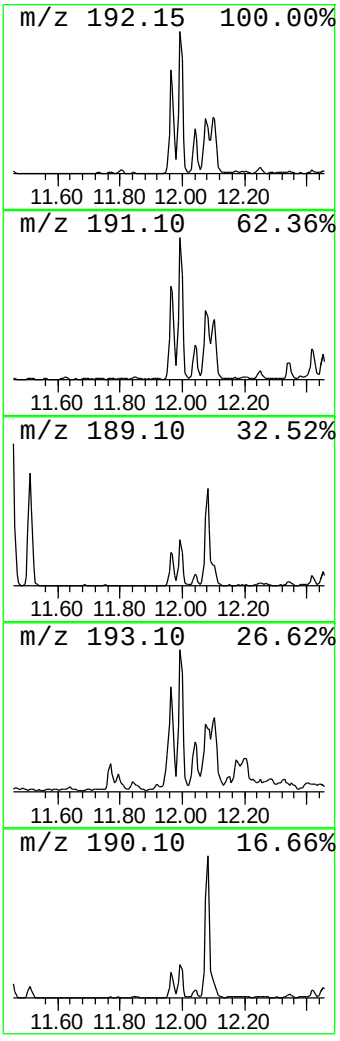
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.19 ng/ul	636846	Phenanthrene-d10	11.46

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





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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

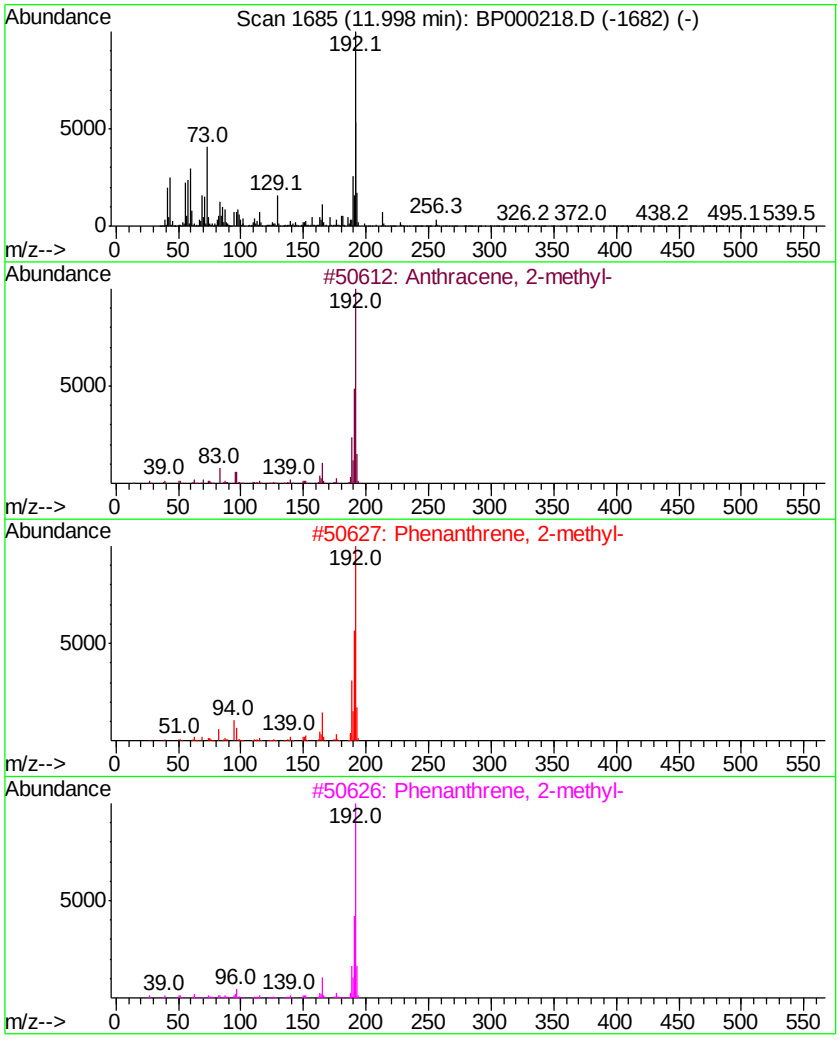
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

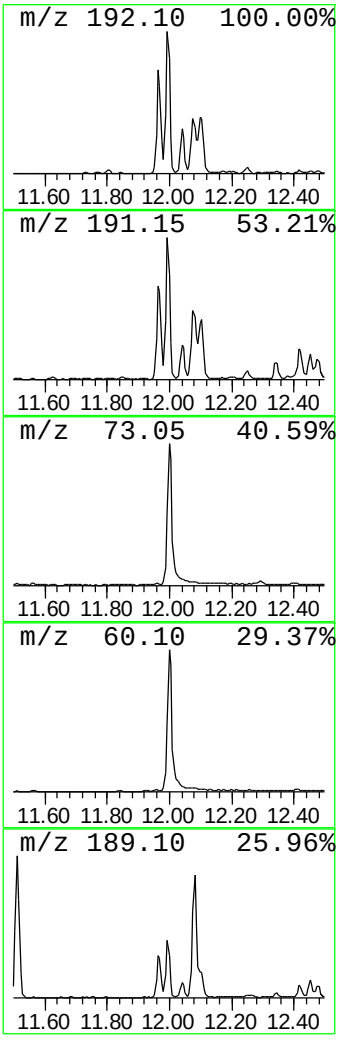
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.60 ng/ul	1519000	Phenanthrene-d10	11.46

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





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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

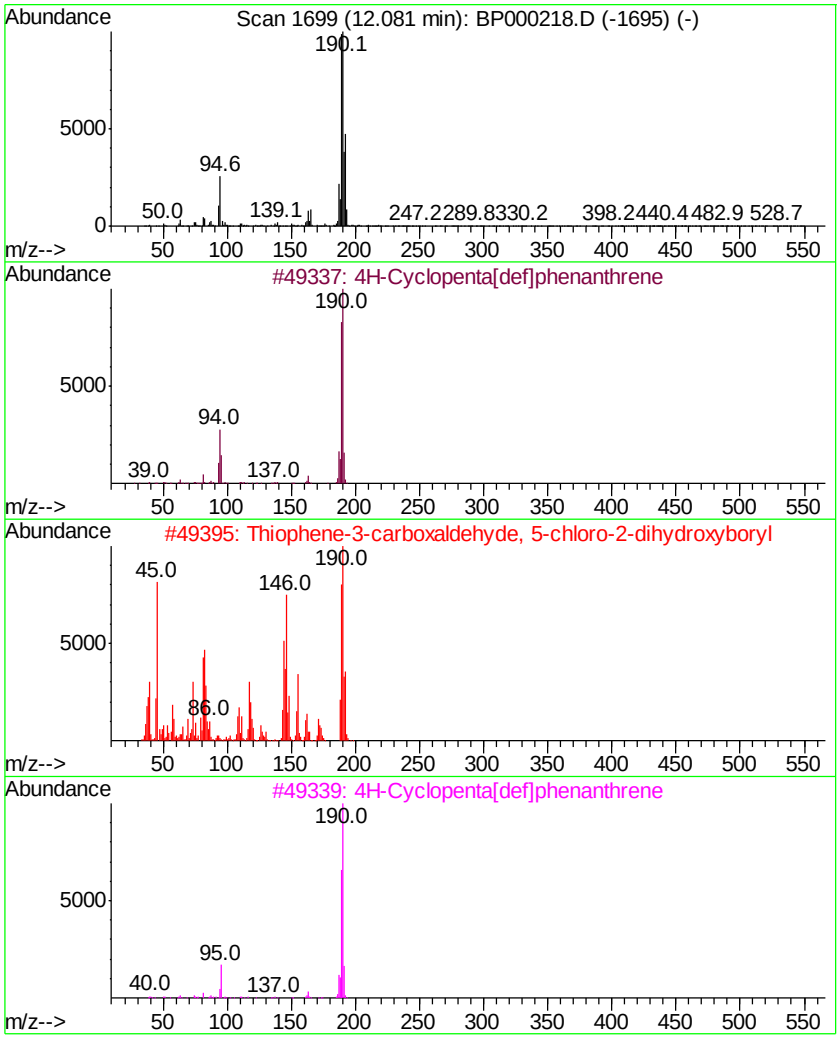
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

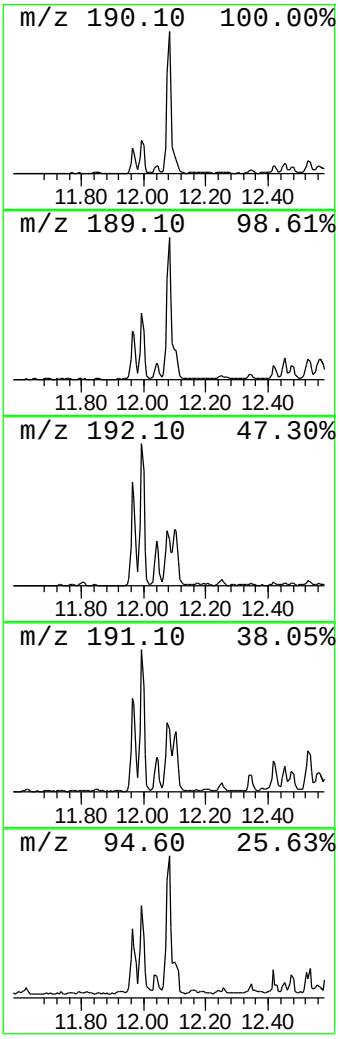
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	4.17 ng/ul	832514	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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

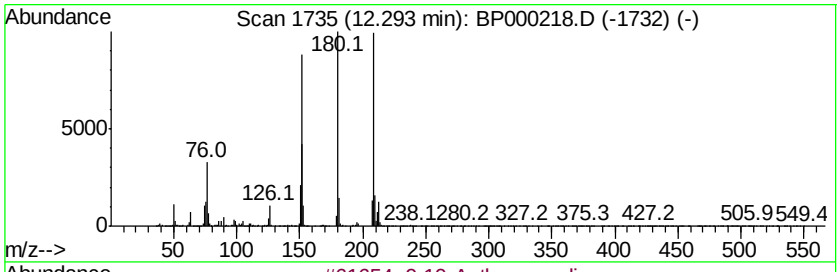
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

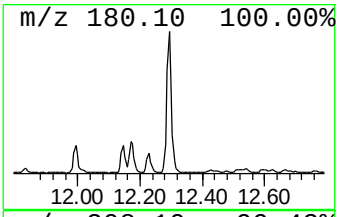
****

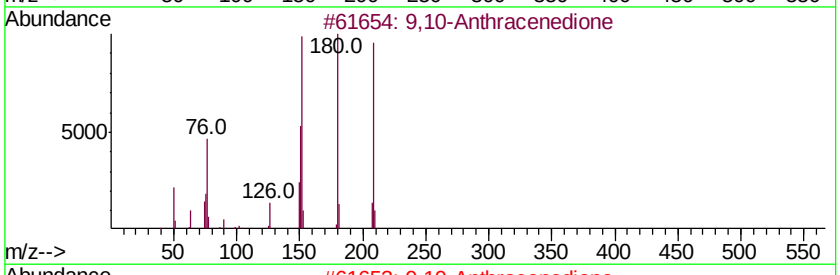
Peak Number 5 9,10-Anthracenedione Concentration Rank 10

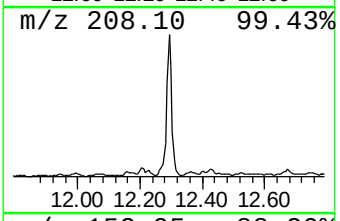
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.34 ng/ul	667765	Phenanthrene-d10	11.46

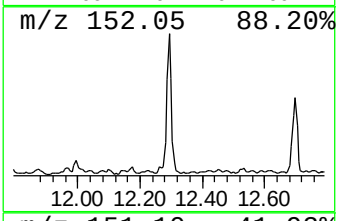
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60

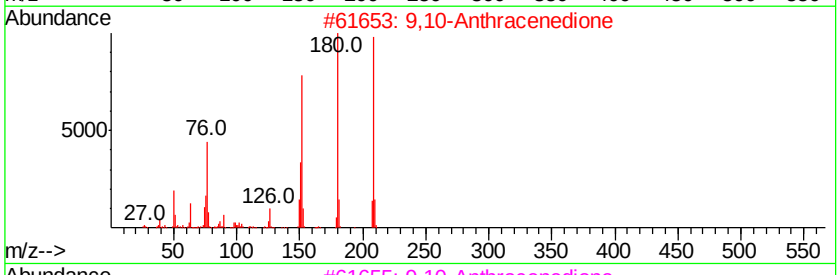


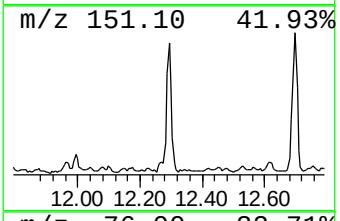


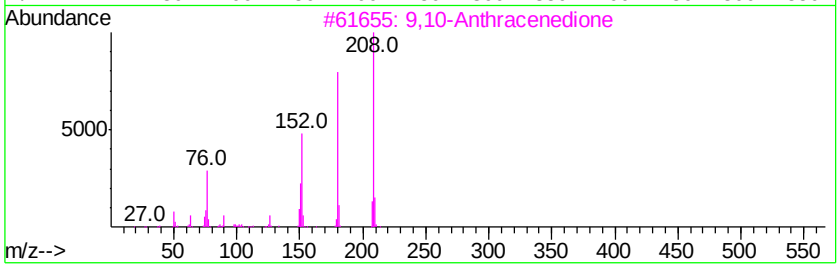


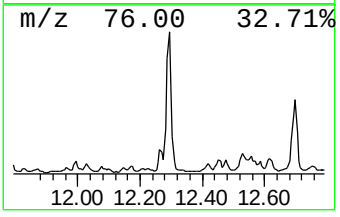












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Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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Quant Title : SVOA CALIBRATION

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

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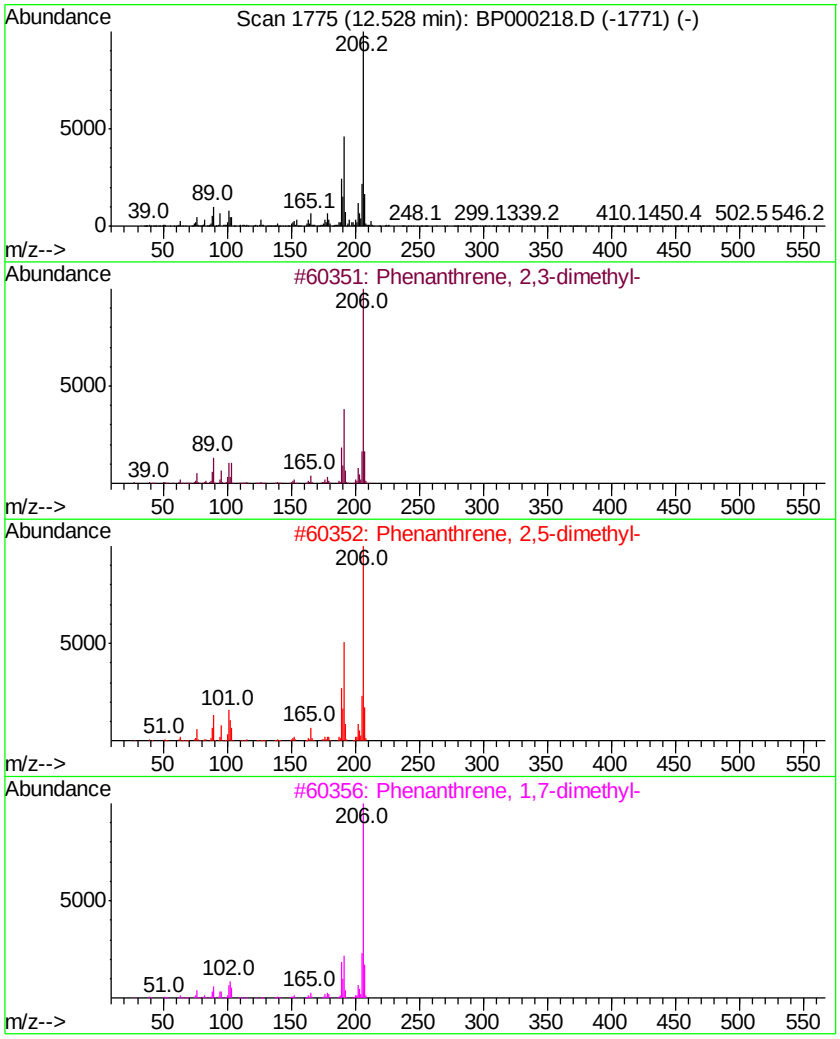
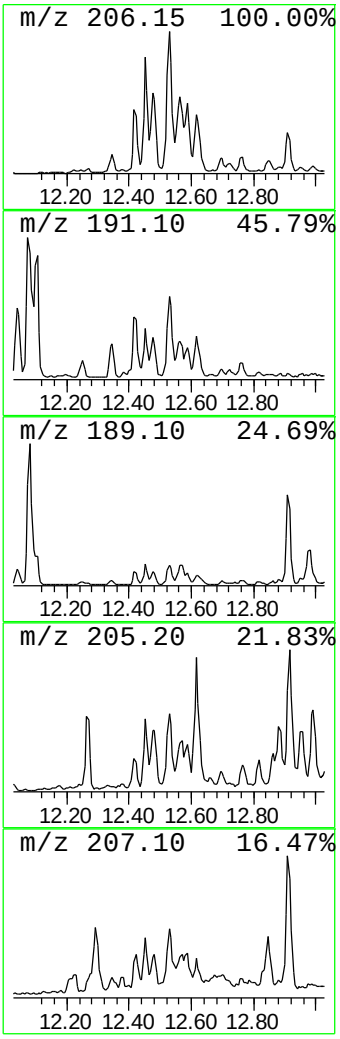
Peak Number 6 Phenanthrene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.18 ng/ul	435057	Phenanthrene-d10	11.46

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





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Instrument : BNA_P
ClientSampleId : F2D23

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Quant Title : SVOA CALIBRATION

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

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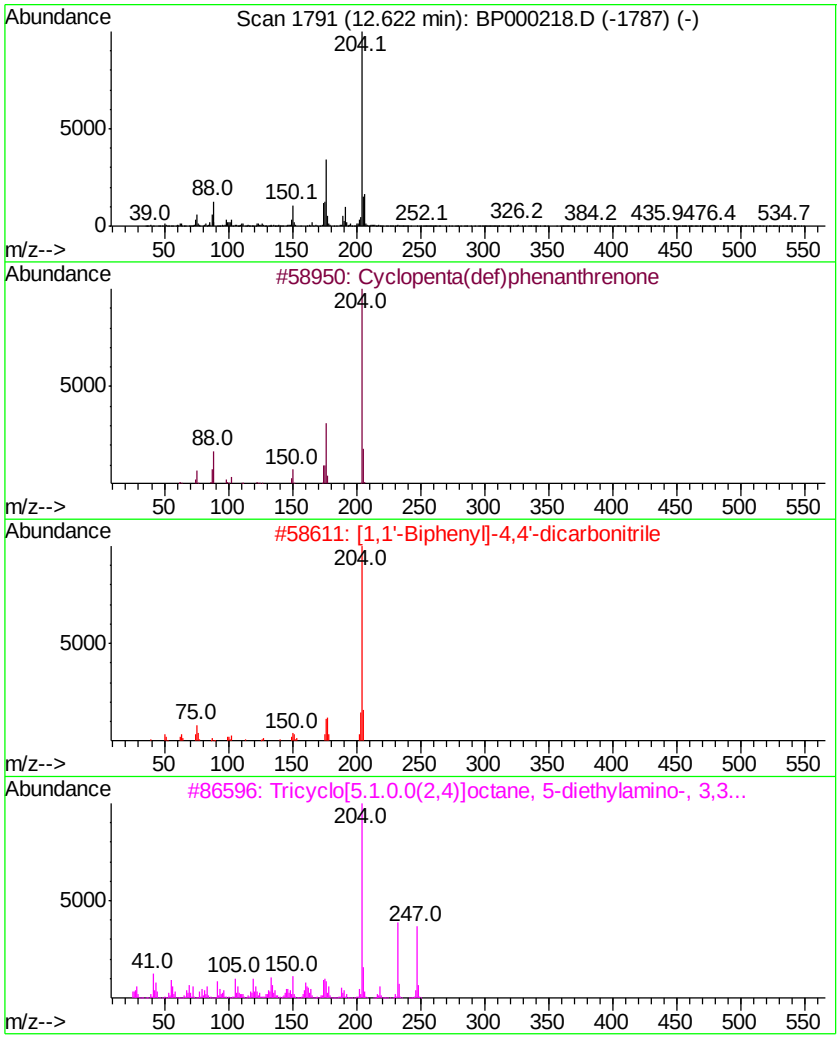
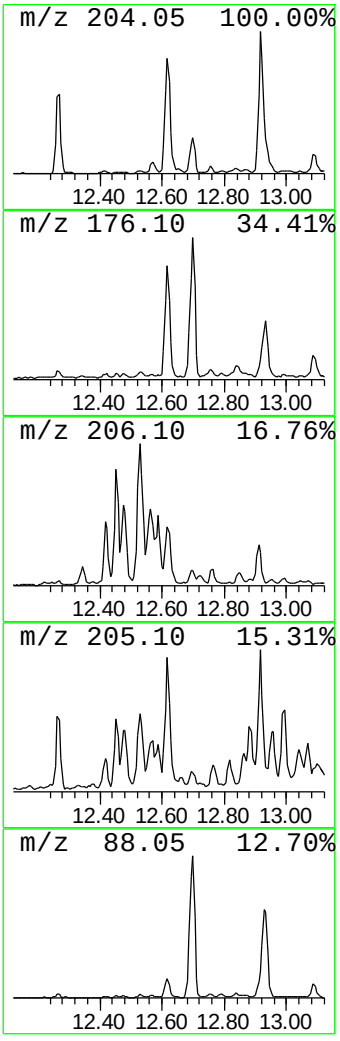
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.32 ng/ul	663564	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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Quant Title : SVOA CALIBRATION

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

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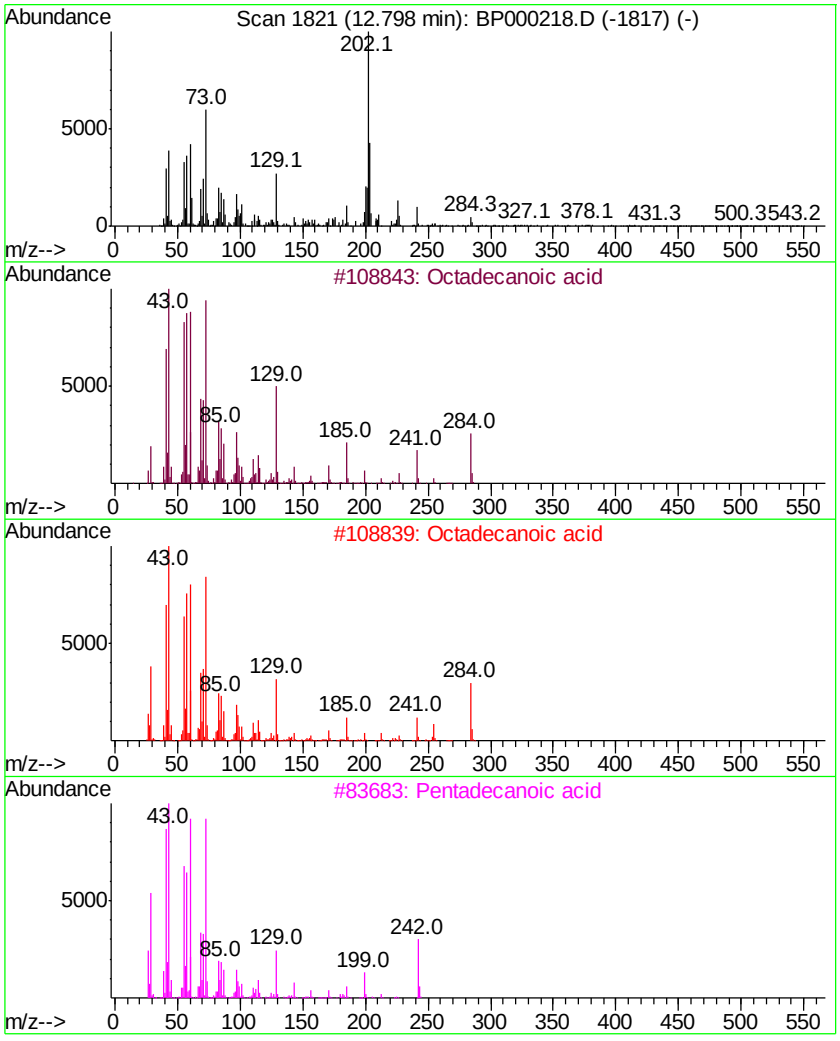
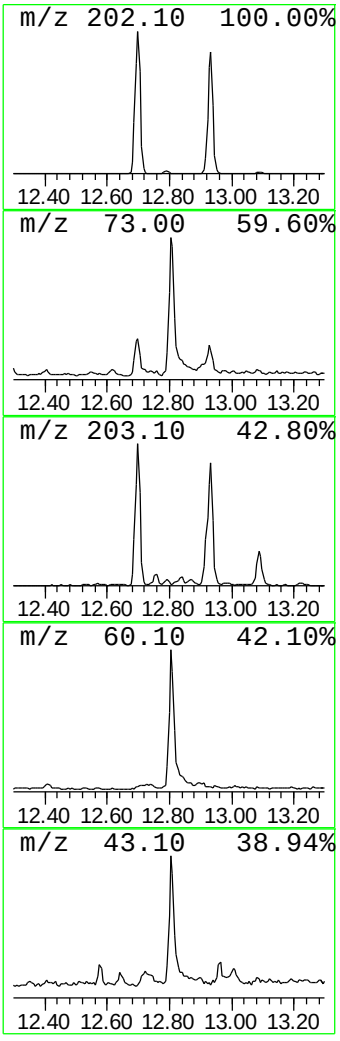
Peak Number 8 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	2.30 ng/ul	460261	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	59





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Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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Quant Title : SVOA CALIBRATION

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

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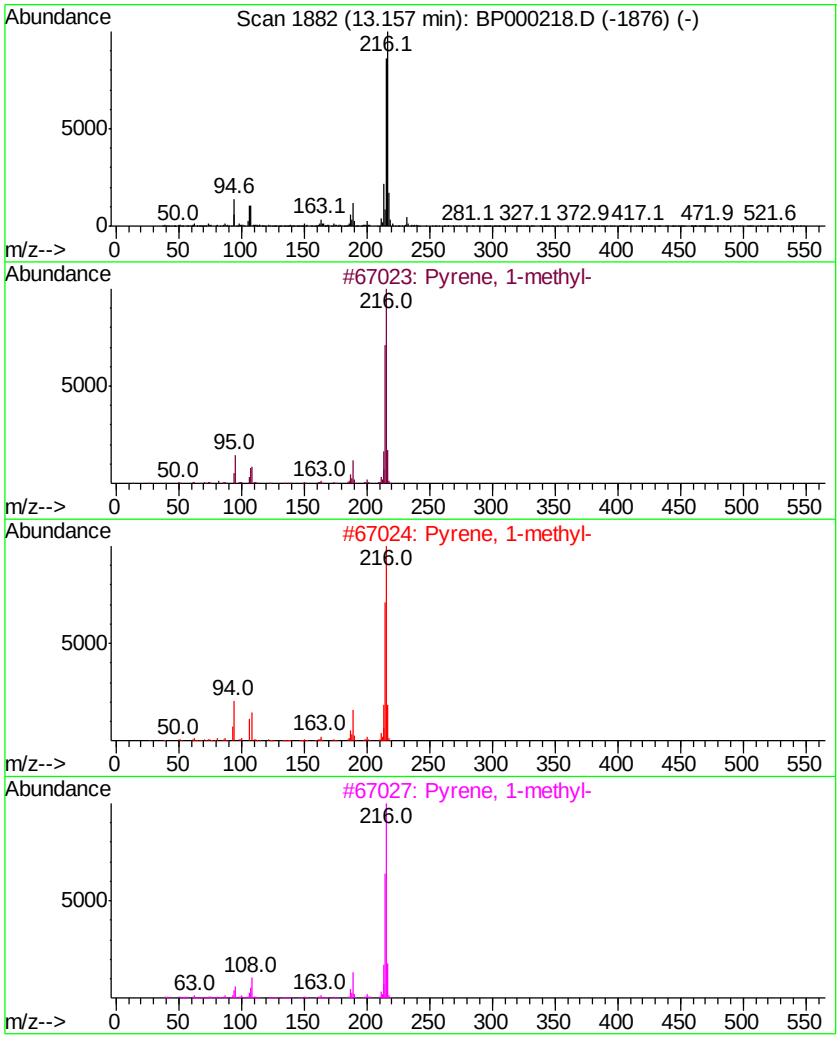
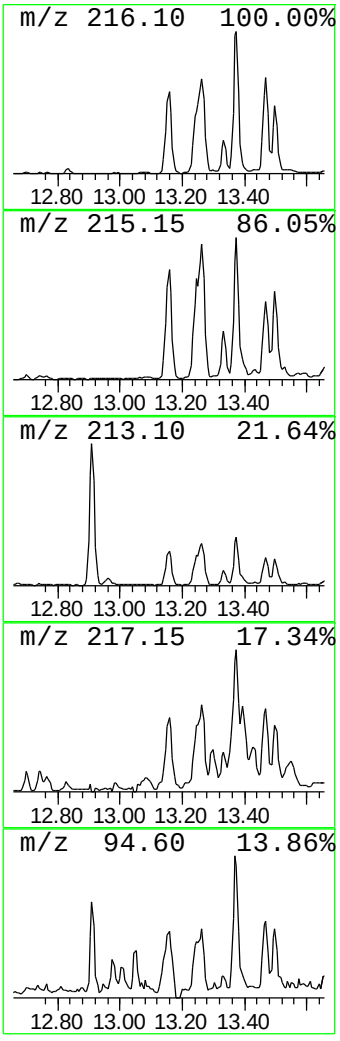
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.12 ng/ul	1028310	Chrysene-d12	14.17

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	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	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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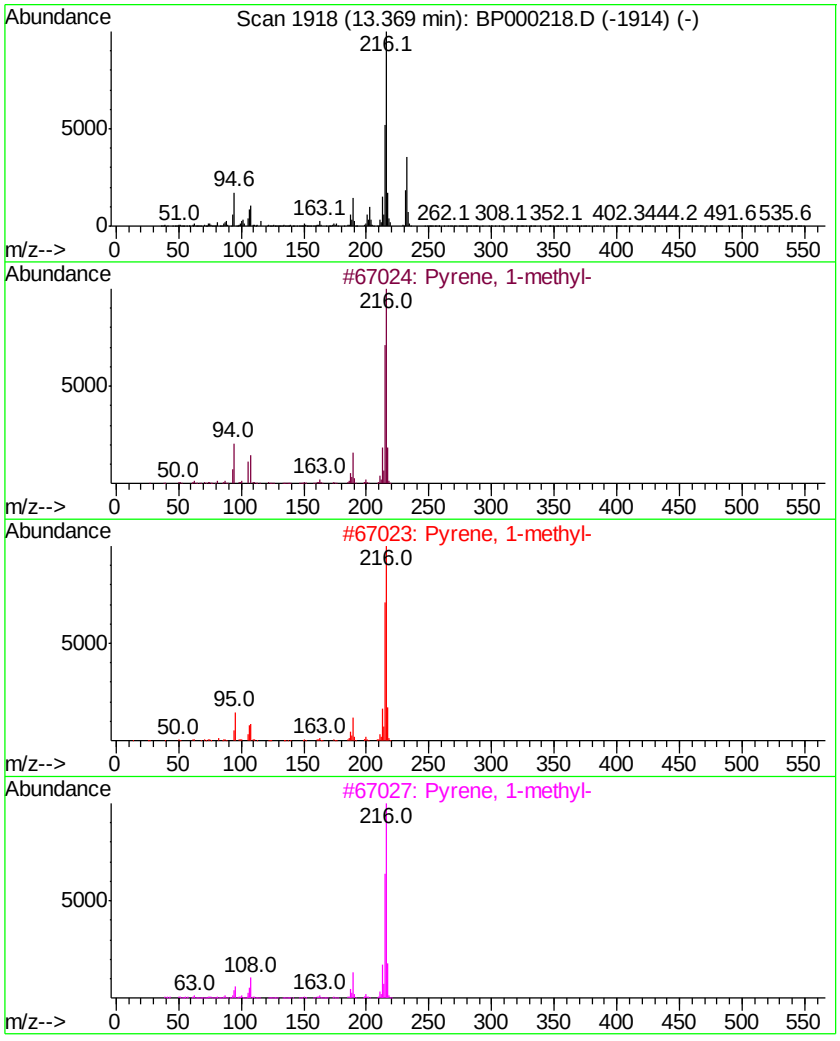
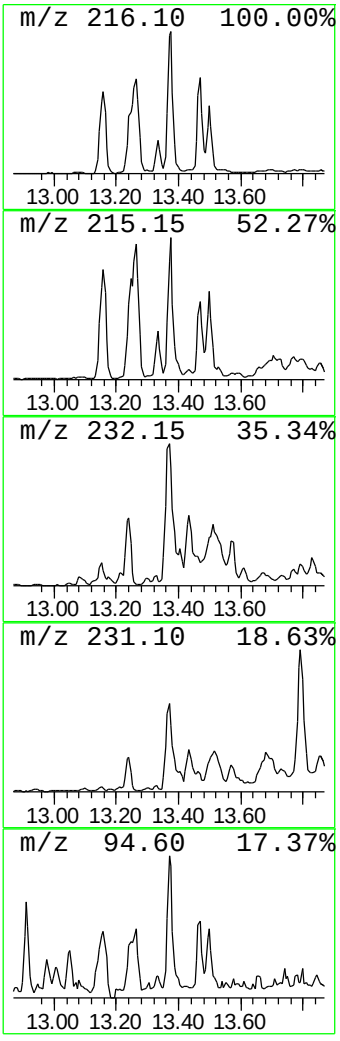
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	3.08 ng/ul	1494370	Chrysene-d12	14.17

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	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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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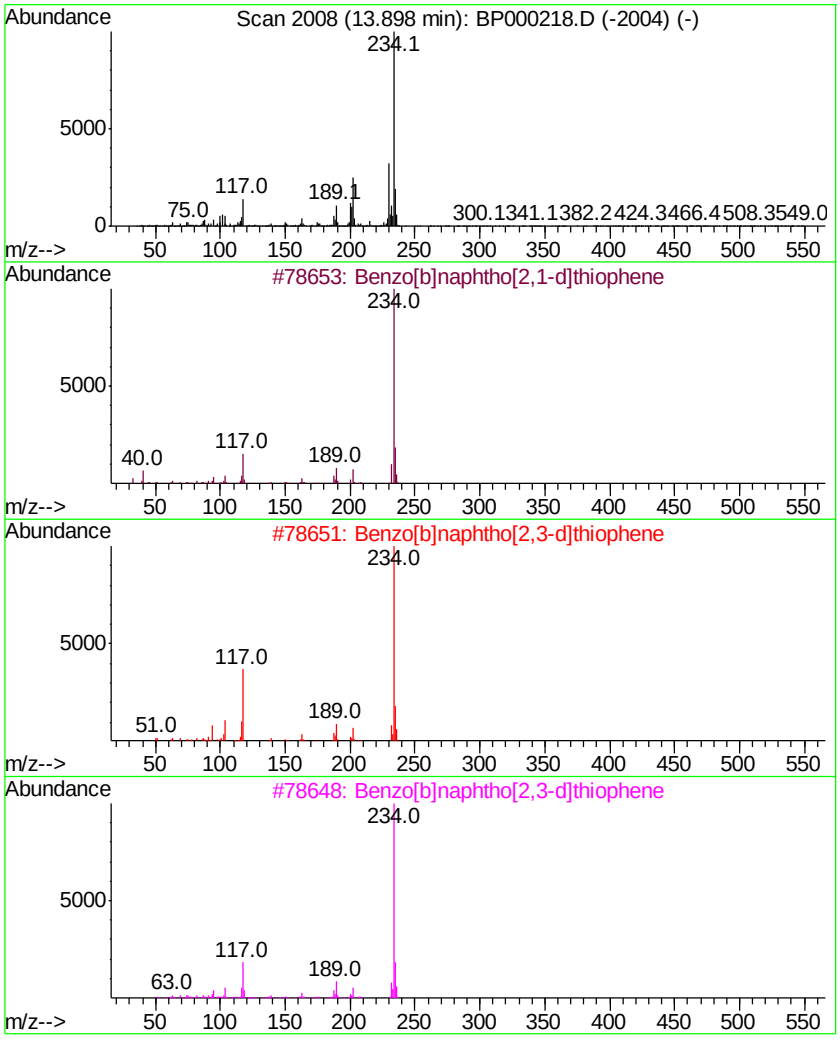
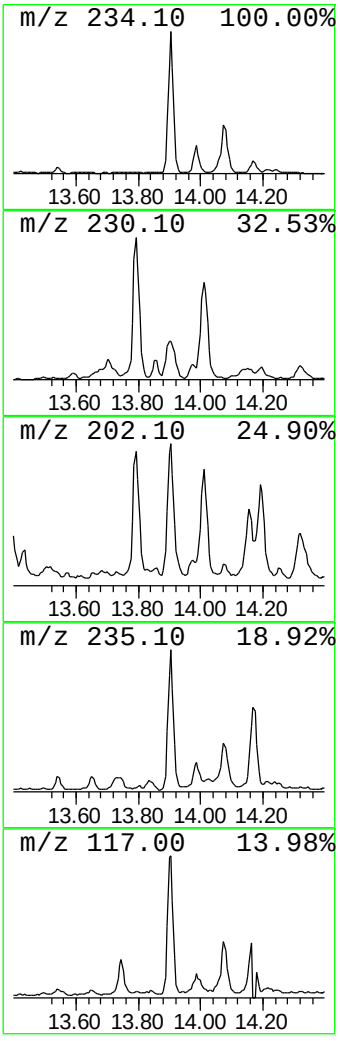
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	4.17 ng/ul	2022070	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	52
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	52





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Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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Quant Title : SVOA CALIBRATION

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

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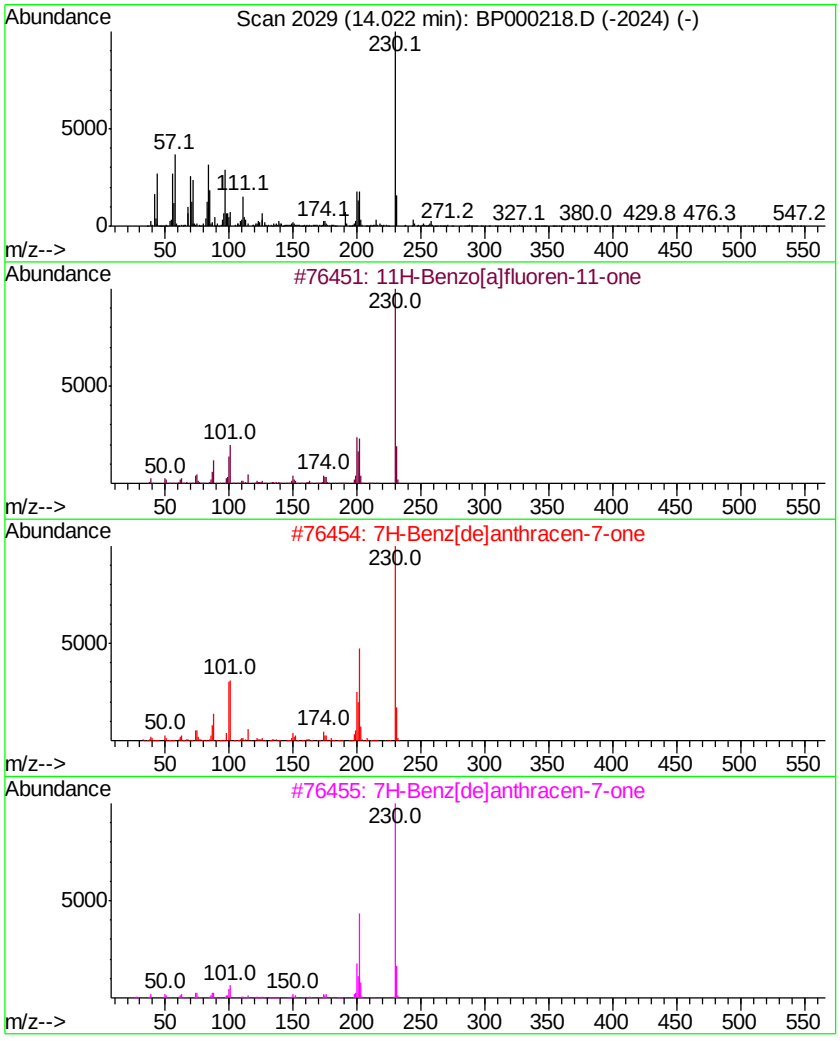
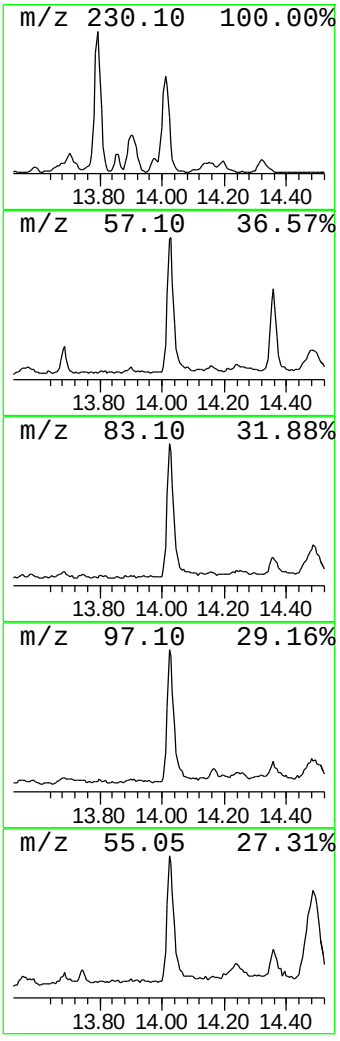
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.08 ng/ul	1494290	Chrysene-d12	14.17

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	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





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Quant Title : SVOA CALIBRATION

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

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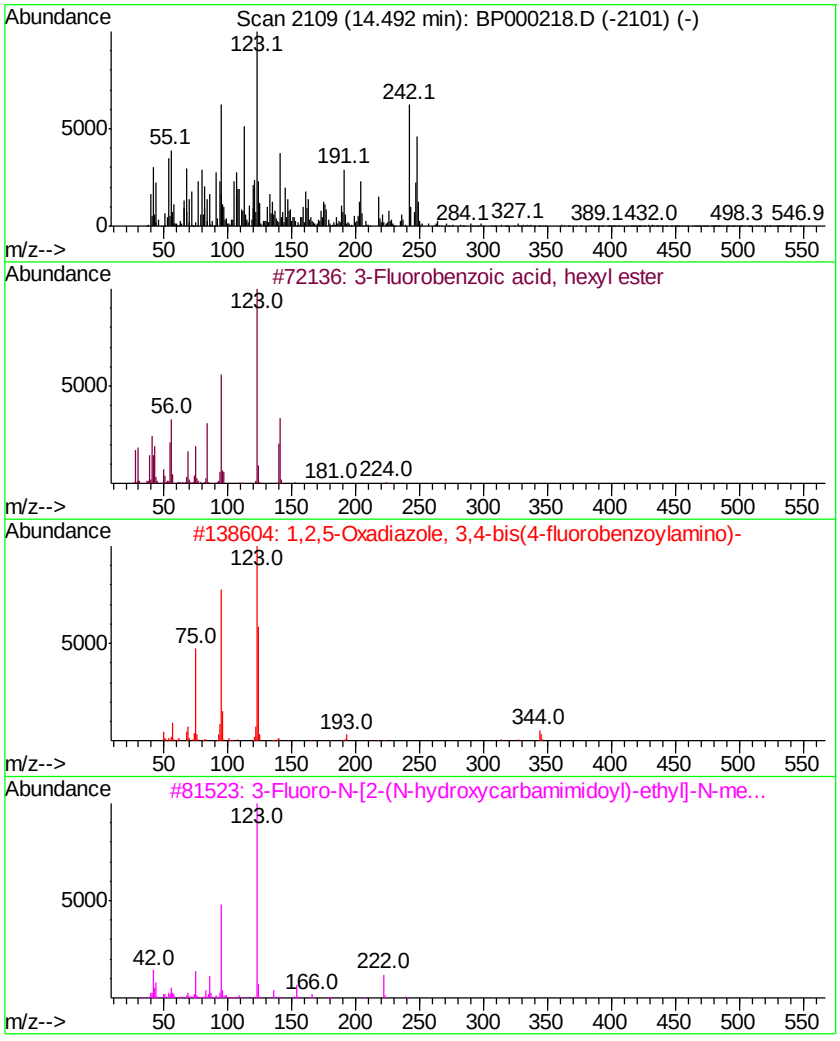
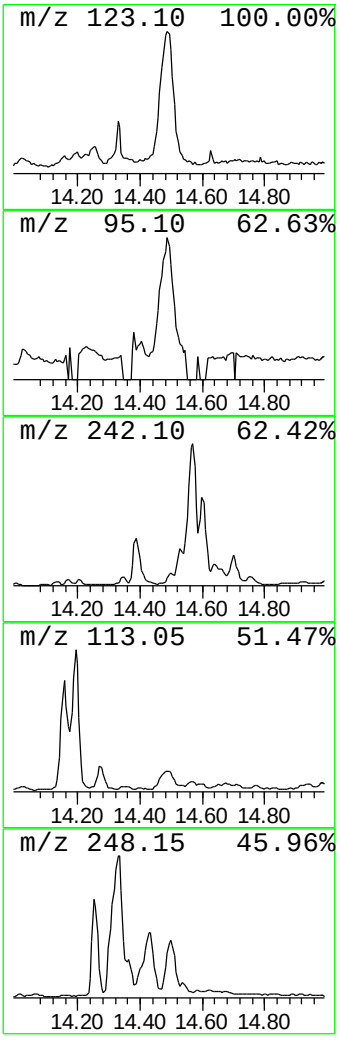
Peak Number 14 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	4.31 ng/ul	2089890	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, hexyl ester	224	C13H17FO2	1000279-00-8	25
2	1,2,5-Oxadiazole, 3,4-bis(4-fluo...	344	C16H10F2N4O3	1000296-42-6	22
3	3-Fluoro-N-[2-(N-hydroxycarbamim...	239	C11H14FN3O2	1000297-41-5	22
4	4-Fluoro-N-(4-methyl-thiazol-2-y...	236	C11H9FN2OS	1000274-33-8	22
5	2-Ethylphenethyl phenyl sulfide	242	C16H18S	1000233-37-9	22





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Quant Title : SVOA CALIBRATION

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

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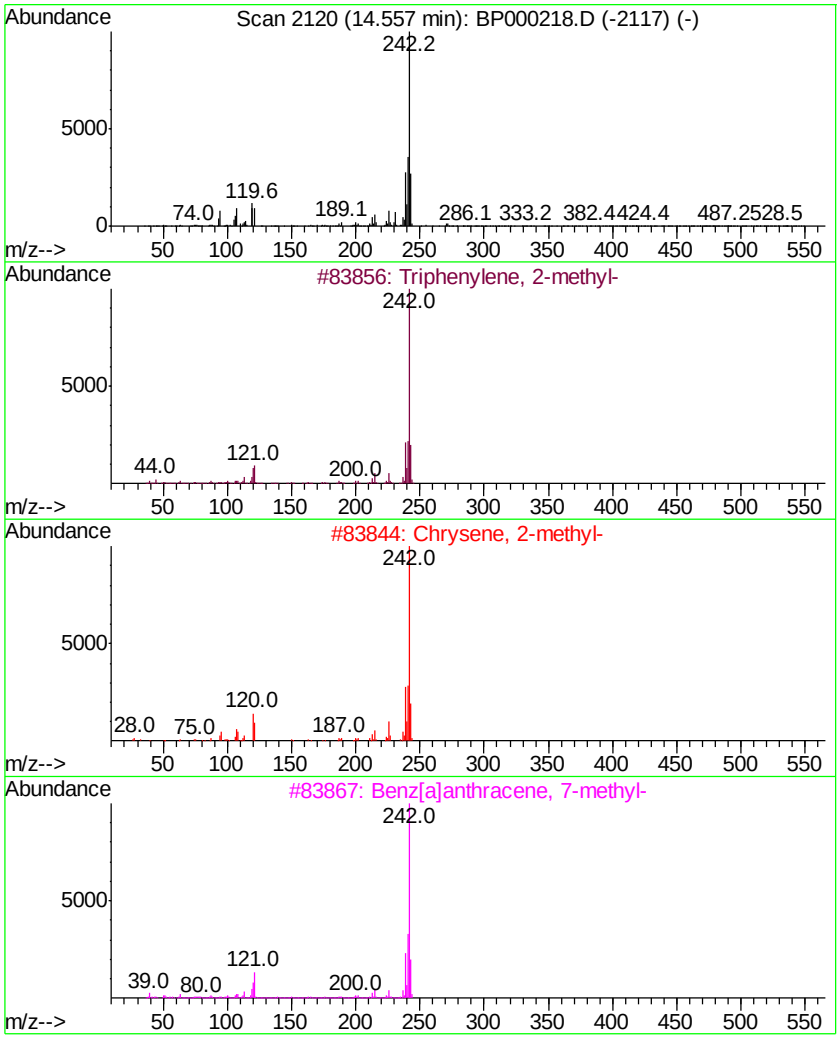
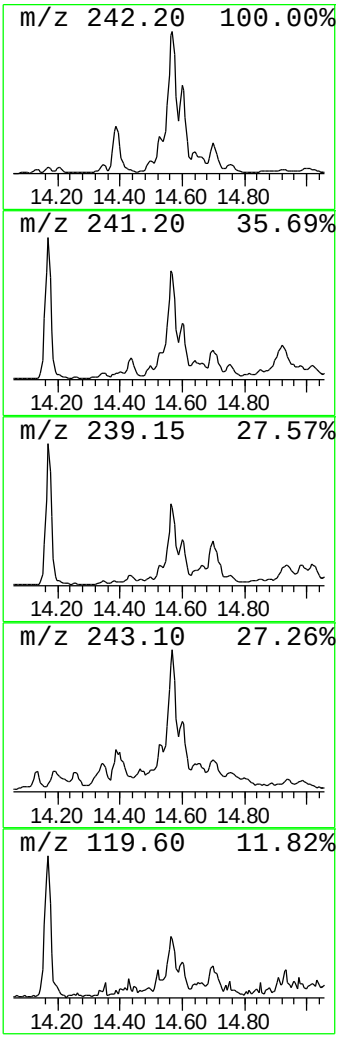
Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.96 ng/ul	1438740	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	96
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94





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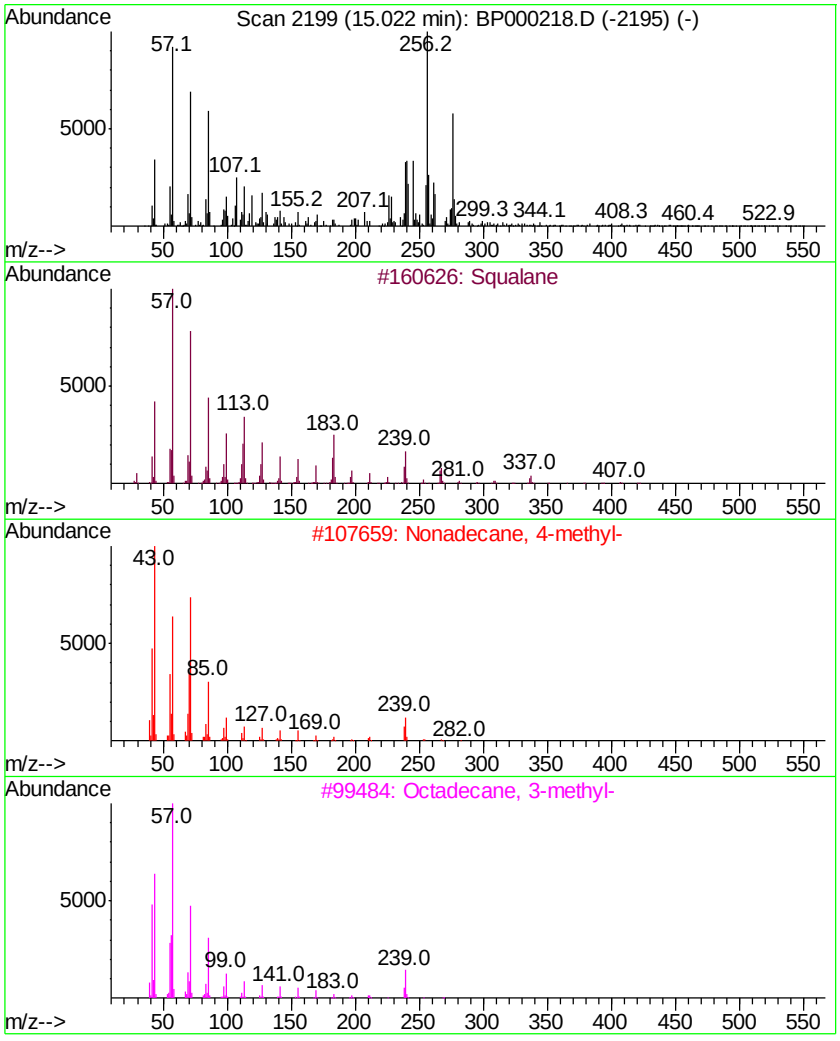
Quant Title : SVOA CALIBRATION

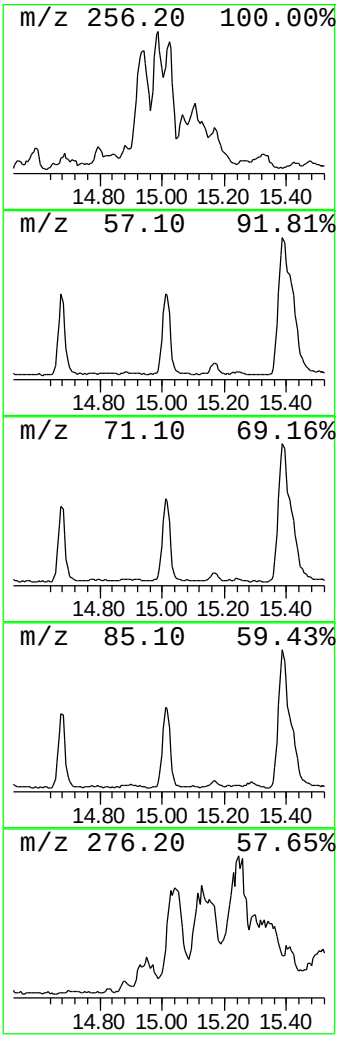
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	3.09 ng/ul	792855	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalane	422	C30H62	000111-01-3	70
2	Nonadecane, 4-methyl-	282	C20H42	025117-27-5	40
3	Octadecane, 3-methyl-	268	C19H40	006561-44-0	38
4	Squalane	422	C30H62	000111-01-3	37
5	Octadecane, 3-methyl-	268	C19H40	006561-44-0	28





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Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

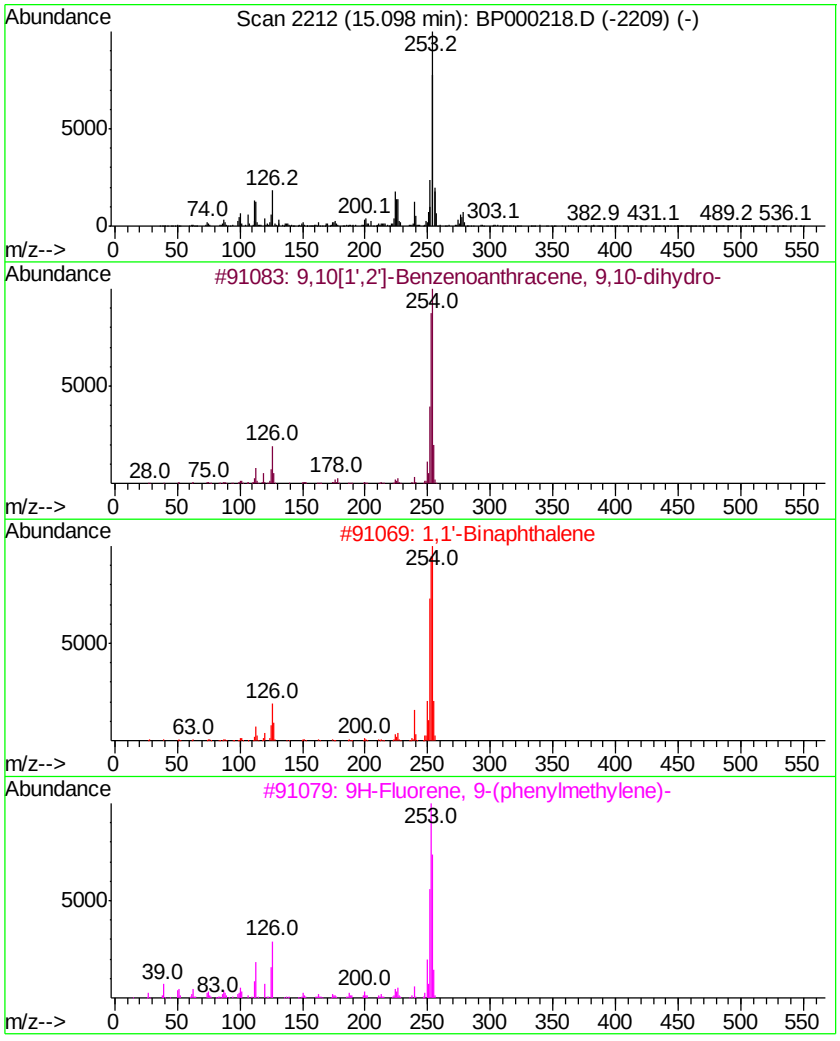
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

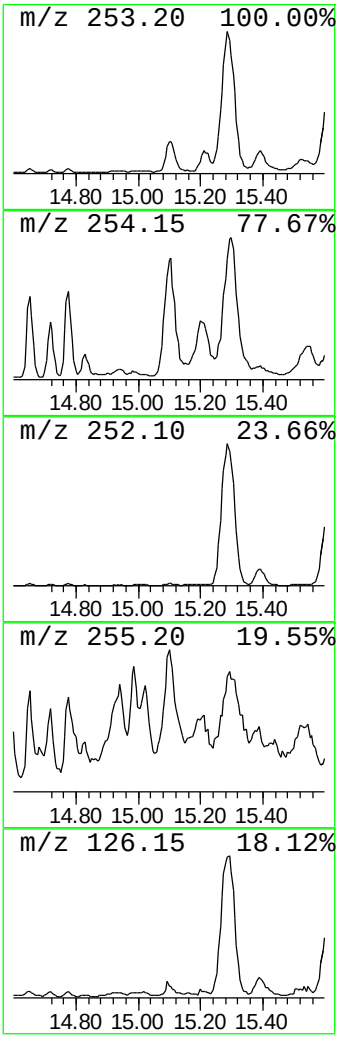
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10[1',2']-Benzenoanthrace... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.61 ng/ul	670664	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	93
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	90
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	74
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	74
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68





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Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

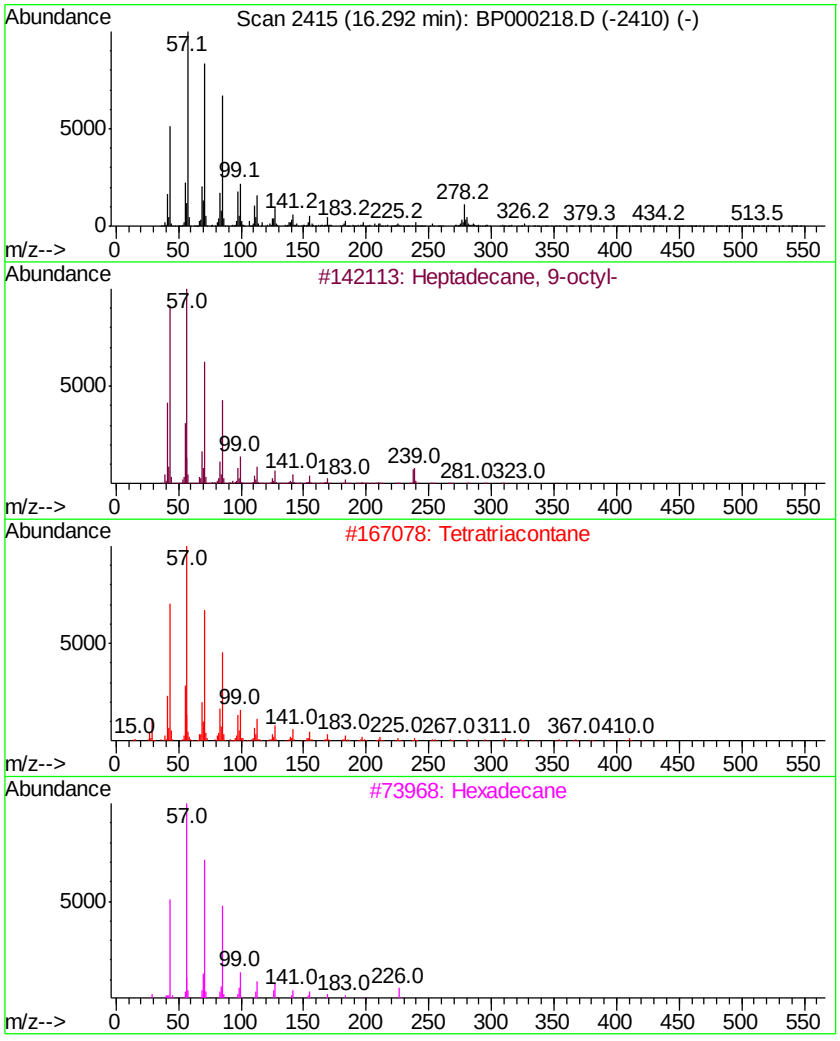
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

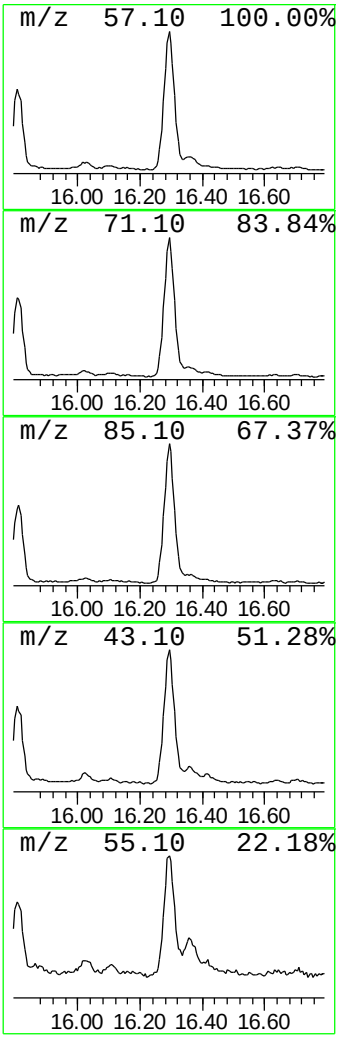
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	4.10 ng/ul	1051460	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Tetratriacontane	479	C34H70	014167-59-0	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Octacosane	394	C28H58	000630-02-4	87
5	Triacontane, 1-bromo-	500	C30H61Br	004209-22-7	87





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Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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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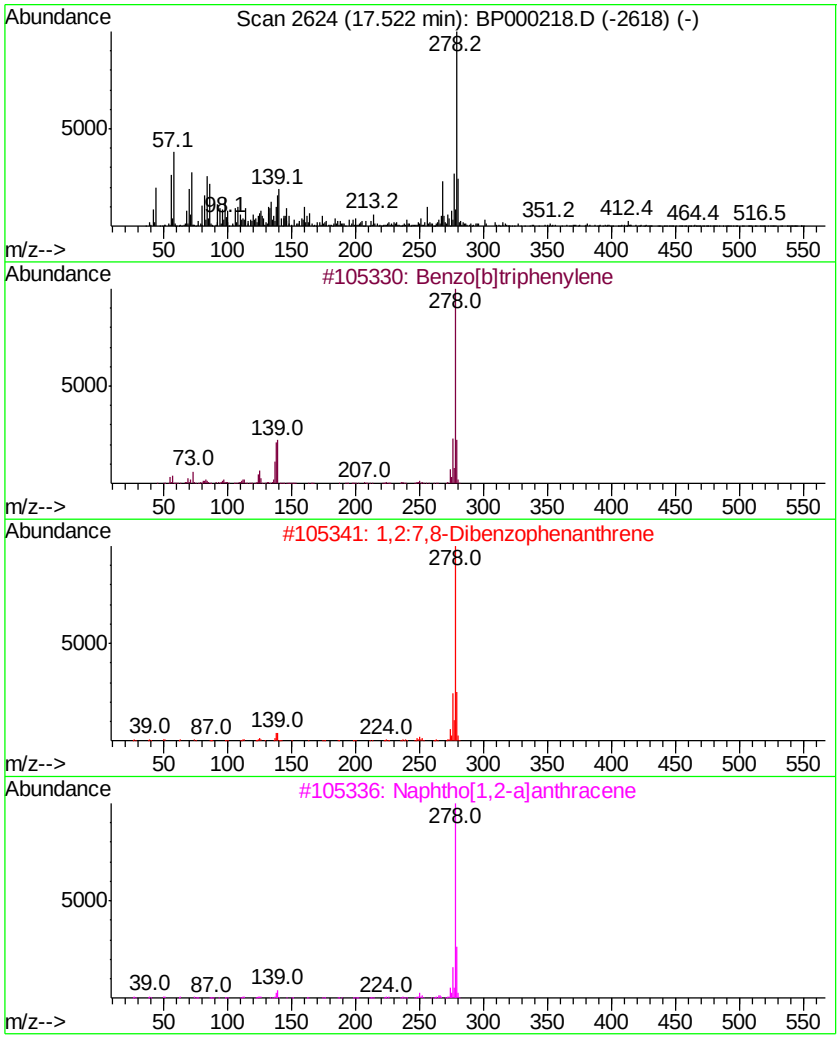
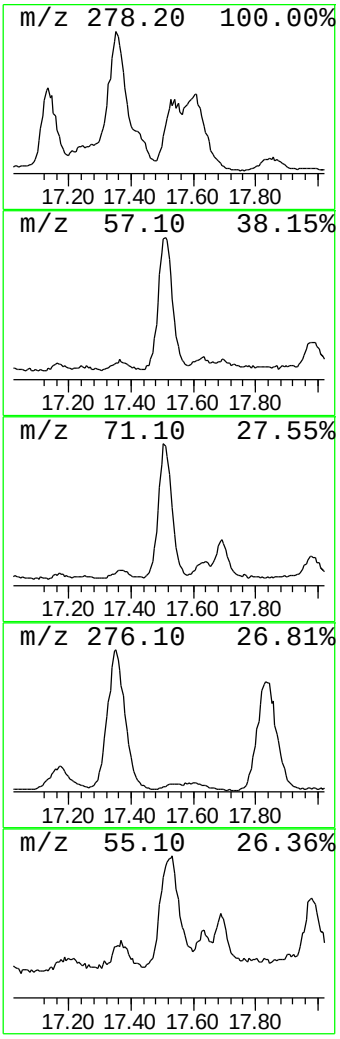
Peak Number 20 Benzo[b]triphenylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	5.19 ng/ul	1331890	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	86
3	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	86
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	60





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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

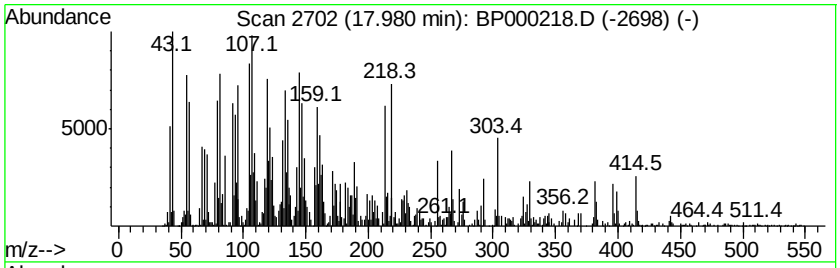
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

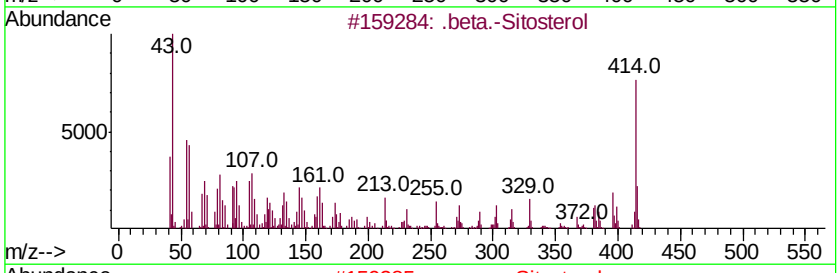
****

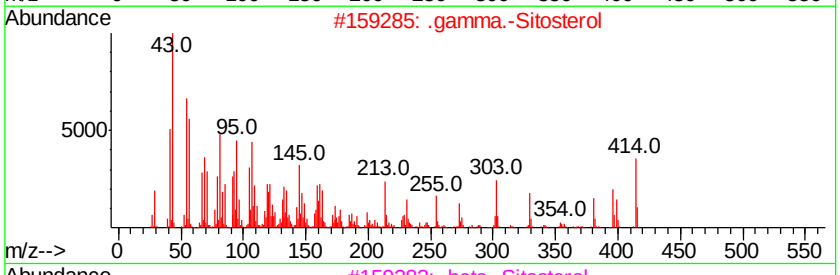
Peak Number 21 .beta.-Sitosterol Concentration Rank 9

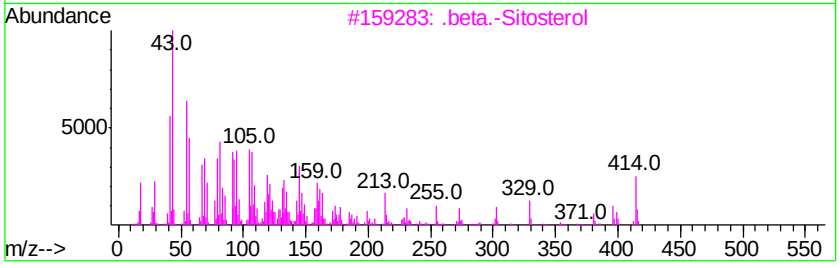
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	3.70 ng/ul	949406	Perylene-d12	15.74

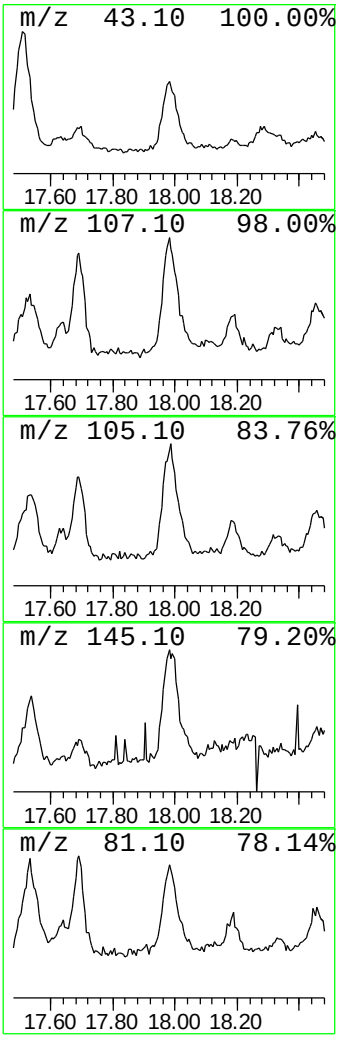
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	90
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	86
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	78
4	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	60
5	4,6,6-Trimethyl-2-(3-methylbuta-...	218	C15H22O	1000190-22-2	51











Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091219\
Data File : BP000218.D
Acq On : 12 Sep 2019 15:15
Operator : HP/JU
Sample : K4634-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D23

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	110.8	ng/ul	13061000	1	6.89	2357240	20.0
Phenanthrene, 2-m...	11.96	3.2	ng/ul	636846	4	11.46	3995490	20.0
Anthracene, 2-met...	12.00	7.6	ng/ul	1519000	4	11.46	3995490	20.0
4H-Cyclopenta[def...	12.08	4.2	ng/ul	832514	4	11.46	3995490	20.0
9,10-Anthracenedione	12.29	3.3	ng/ul	667765	4	11.46	3995490	20.0
Phenanthrene, 2,3...	12.53	2.2	ng/ul	435057	4	11.46	3995490	20.0
Cyclopenta(def)ph...	12.62	3.3	ng/ul	663564	4	11.46	3995490	20.0
Octadecanoic acid	12.80	2.3	ng/ul	460261	4	11.46	3995490	20.0
Pyrene, 1-methyl-	13.16	2.1	ng/ul	1028310	5	14.17	9708730	20.0
Fluoranthene, 2-m...	13.37	3.1	ng/ul	1494370	5	14.17	9708730	20.0
Benzo[b]naphtho[2...	13.90	4.2	ng/ul	2022070	5	14.17	9708730	20.0
11H-Benzo[a]fluor...	14.02	3.1	ng/ul	1494290	5	14.17	9708730	20.0
unknown-01	14.49	4.3	ng/ul	2089890	5	14.17	9708730	20.0
Triphenylene, 2-m...	14.56	3.0	ng/ul	1438740	5	14.17	9708730	20.0
(DEL) Alkane: Str...	15.02	3.1	ng/ul	792855	6	15.74	5135000	20.0
9,10[1',2']-Benze...	15.10	2.6	ng/ul	670664	6	15.74	5135000	20.0
(DEL) Alkane: Str...	16.29	4.1	ng/ul	1051460	6	15.74	5135000	20.0
Benzo[b]triphenylene	17.52	5.2	ng/ul	1331890	6	15.74	5135000	20.0
.beta.-Sitosterol	17.98	3.7	ng/ul	949406	6	15.74	5135000	20.0