LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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	7	13	26	rVV	2260136	2921741	55.93%	4.295%
2	2.281	29	33	40	rVB	17739	25516	0.49%	0.038%
3	3.781	281	288	294	rBV	19458	29370	0.56%	0.043%
4	3.975	317	321	324	rVV	14298	20720	0.40%	0.030%
5	6.516	749	753	760	rBV2	265165	258503	4.95%	0.380%
6	6.575	760	763	774	rVB	222447	180963	3.46%	0.266%
7	6.663	774	778	784	rBV	316397	246028	4.71%	0.362%
8	6.899	814	818	821	rBV	1963470	1504634	28.80%	2.212%
9	7.263	877	880	884	rBV	370231	270273	5.17%	0.397%
10	7.452	908	912	918	rBV	266213	205890	3.94%	0.303%
11	7.781	964	968	971	rBV	179750	154580	2.96%	0.227%
12	8.022	1005	1009	1017	rBV	337135	272110	5.21%	0.400%
13	8.181	1033	1036	1039	rBV	2563888	1977751	37.86%	2.907%
14	8.204	1039	1040	1043	rVV	72324	36407	0.70%	0.054%
15	8.240	1043	1046	1056	rVB	65131	77506	1.48%	0.114%
16	8.899	1155	1158	1163	rVB	41913	32896	0.63%	0.048%
17	9.463	1251	1254	1260	rBV	29609	29829	0.57%	0.044%
18	9.534	1262	1266	1269	rBV	25663	34163	0.65%	0.050%
19	9.604	1275	1278	1280	rBV2	19931	20660	0.40%	0.030%
20	9.634	1280	1283	1285	rVV	505547	374888	7.18%	0.551%
21	9.657	1285	1287	1293	rVB	105460	86498	1.66%	0.127%
22	9.793	1307	1310	1319	rBV	630222	511202	9.79%	0.751%
23	9.951	1333	1337	1340	rBV	2944458	2388498	45.72%	3.511%
24	9.981	1340	1342	1346	rVV	613148	499223	9.56%	0.734%
25	10.040	1349	1352	1360	rVV2	73812	99868	1.91%	0.147%
26	10.157	1368	1372	1375	rVV	74104	70441	1.35%	0.104%
27	10.475	1422	1426	1429	rBV	657047	574021	10.99%	0.844%
28	10.504	1429	1431	1434	rVV	100838	80449	1.54%	0.118%
29	10.545	1434	1438	1441	rVV2	54721	71074	1.36%	0.104%
30	10.569	1441	1442	1444	rVV	41005	29751	0.57%	0.044%
31	10.593	1444	1446	1449	rVV2	34512	33926	0.65%	0.050%
32	10.745	1469	1472	1477	rBV	20869	26418	0.51%	0.039%
33	10.875	1490	1494	1497	rBV	80984	87599	1.68%	0.129%
34	11.257	1556	1559	1563	rVB	84678	77836	1.49%	0.114%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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	11.351	1572	1575	1579	rVB	133852	111781	2.14%	0.164%
36	11.457	1589	1593	1595	rBV	2766292	2488794	47.64%	3.658%
37	11.481	1595	1597	1600	rVV	2029396	1694457	32.43%	2.491%
38	11.510	1600	1602	1604	rVV	624301	599734	11.48%	0.882%
39	11.534	1604	1606	1609	rVV	382179	338781	6.48%	0.498%
40	11.569	1609	1612	1615	rVB	62331	68624	1.31%	0.101%
41	11.687	1628	1632	1641	rBV	233697	259650	4.97%	0.382%
42	11.792	1647	1650	1654	rBV	138153	130617	2.50%	0.192%
43	11.881	1661	1665	1669	rVB	109114	130514	2.50%	0.192%
44	11.969	1677	1680	1682	rBV	539877	476976	9.13%	0.701%
45	11.998	1682	1685	1689	rVV	795055	756223	14.47%	1.112%
46	12.045	1690	1693	1696	rVV	115542	113234	2.17%	0.166%
47	12.081	1696	1699	1701	rVV2	323184	338894	6.49%	0.498%
48	12.104	1701	1703	1708	rVB	208678	190179	3.64%	0.280%
49	12.210	1718	1721	1723	rBV	74550	64582	1.24%	0.095%
50	12.269	1728	1731	1733	rBV	189073	184327	3.53%	0.271%
51	12.298	1733	1736	1741	rVB3	194060	280925	5.38%	0.413%
52	12.345	1742	1744	1746	rBV	61370	44215	0.85%	0.065%
53	12.375	1746	1749	1752	rBV	70690	73419	1.41%	0.108%
54	12.422	1754	1757	1760	rVB	251820	210079	4.02%	0.309%
55	12.457	1760	1763	1765	rBV	426728	412324	7.89%	0.606%
56	12.481	1765	1767	1771	rVB	360062	311235	5.96%	0.457%
57	12.534	1772	1776	1779	rBV	374934	457359	8.75%	0.672%
58	12.569	1779	1782	1784	rVV2	125659	142149	2.72%	0.209%
59	12.587	1784	1785	1788	rVB	118573	85304	1.63%	0.125%
60	12.616	1788	1790	1795	rVB	272948	268274	5.14%	0.394%
61	12.657	1795	1797	1800	rBV	84790	70408	1.35%	0.103%
62	12.698	1800	1804	1809	rBV	2783781	3005162	57.52%	4.417%
63	12.739	1809	1811	1813	rBV	81398	82888	1.59%	0.122%
64	12.851	1827	1830	1833	rBV3	193620	250475	4.79%	0.368%
65	12.881	1833	1835	1837	rVB2	63807	48833	0.93%	0.072%
66	12.934	1837	1844	1850	rBV2	3024348	4724082	90.42%	6.944%
67	12.992	1850	1854	1858	rVB3	353847	452787	8.67%	0.666%
68	13.045	1859	1863	1865	rBV3	166193	232736	4.45%	0.342%
69	13.069	1865	1867	1869	rBV	107920	91893	1.76%	0.135%
70	13.157	1877	1882	1885	rBV2	294017	495013	9.48%	0.728%
71	13.210	1889	1891	1894	rVV	188902	200548	3.84%	0.295%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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	13.269	1894	1901	1904	rVV	355455	664171	12.71%	0.976%
73	13.310	1906	1908	1910	rVV	85552	92407	1.77%	0.136%
74	13.334	1910	1912	1915	rVV2	168322	191819	3.67%	0.282%
75	13.375	1915	1919	1931	rVB	1371977	2009443	38.46%	2.954%
76	13.469	1931	1935	1938	rBV	560899	606642	11.61%	0.892%
77	13.498	1938	1940	1944	rVB	441710	468817	8.97%	0.689%
78	13.539	1945	1947	1952	rVB	182312	202441	3.87%	0.298%
79	13.592	1953	1956	1959	rVB2	99622	118470	2.27%	0.174%
80	13.622	1959	1961	1964	rBV3	50877	64432	1.23%	0.095%
81	13.657	1964	1967	1969	rBV2	129439	174562	3.34%	0.257%
82	13.792	1987	1990	1995	rVB	540710	672552	12.87%	0.989%
83	13.857	1998	2001	2004	rVB	302783	332984	6.37%	0.489%
84	13.904	2004	2009	2016	rBV3	1123478	2042672	39.10%	3.003%
85	14.016	2025	2028	2034	rVB	267485	403443	7.72%	0.593%
86	14.081	2036	2039	2041	rBV	154668	190416	3.64%	0.280%
87	14.163	2046	2053	2056	rBV2	2656999	5224343	100.00%	7.679%
88	14.192	2056	2058	2066	rVV	2483468	3803789	72.81%	5.591%
89	14.257	2066	2069	2074	rVV2	687463	1140904	21.84%	1.677%
90	14.334	2075	2082	2090	rVB2	652210	1650800	31.60%	2.427%
91	14.498	2107	2110	2113	rBV2	257883	334498	6.40%	0.492%
92	14.569	2113	2122	2126	rBV	1735145	3401623	65.11%	5.000%
93	14.604	2126	2128	2131	rVB2	699585	763487	14.61%	1.122%
94	14.704	2142	2145	2146	rBV2	268797	303971	5.82%	0.447%
95	14.945	2179	2186	2190	rBV4	473370	1226117	23.47%	1.802%
96	14.986	2191	2193	2197	rVV	451513	698103	13.36%	1.026%
97	15.028	2197	2200	2204	rVB	493075	705421	13.50%	1.037%
98	15.286	2238	2244	2257	rVB	1143194	3181446	60.90%	4.677%
99	15.610	2294	2299	2305	rBV2	877074	2077410	39.76%	3.054%
100	15.681	2306	2311	2317	rVB	1035432	2084511	39.90%	3.064%

Sum of corrected areas: 68030401

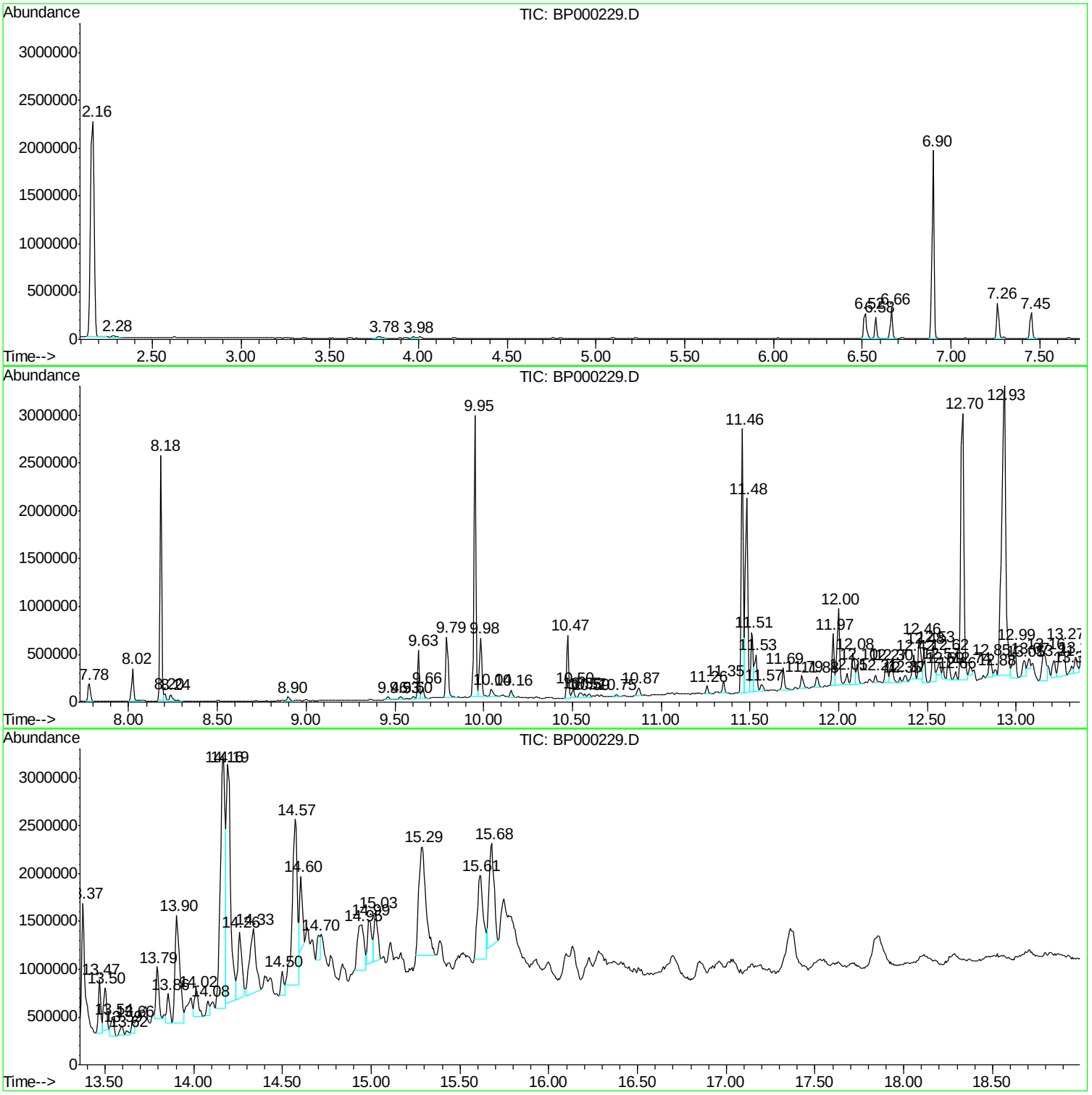
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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 : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

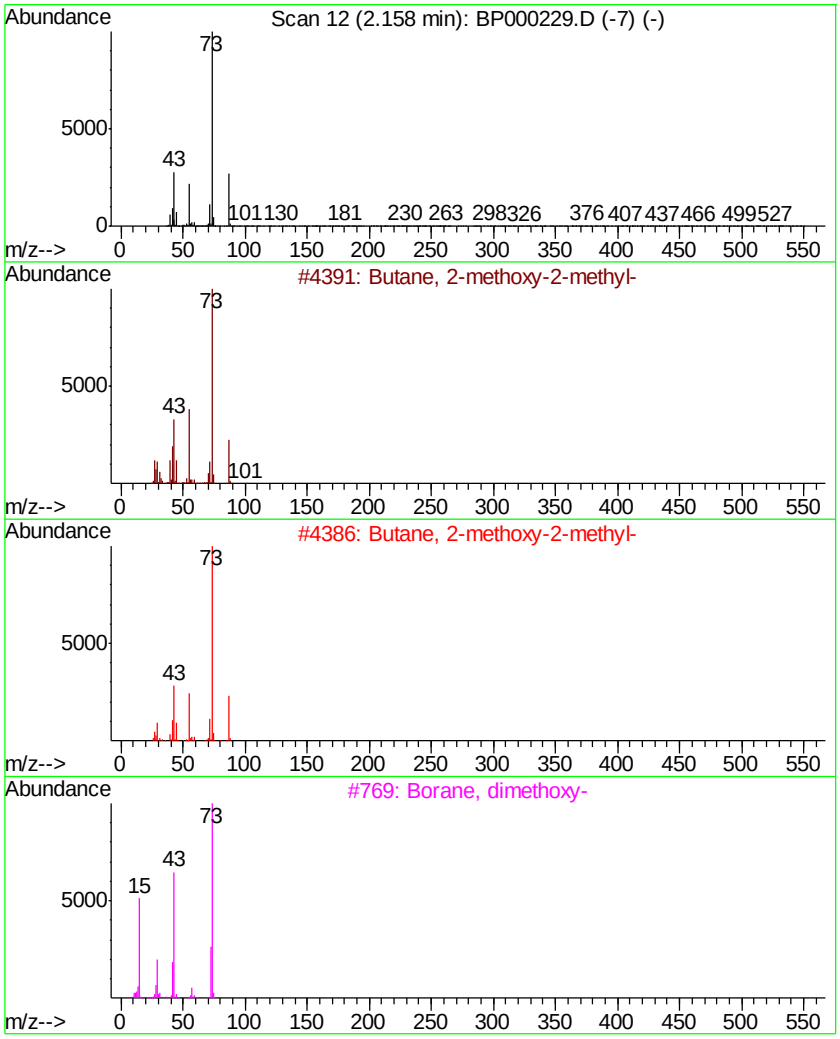
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

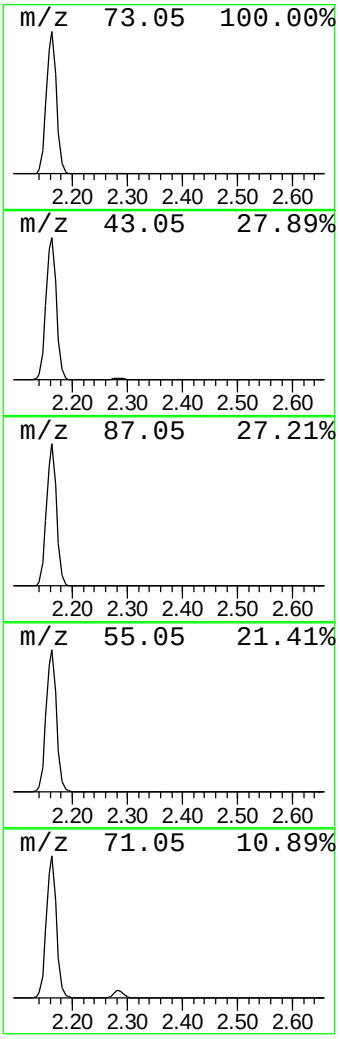
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	38.84 ng/ul	2921740	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	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 : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

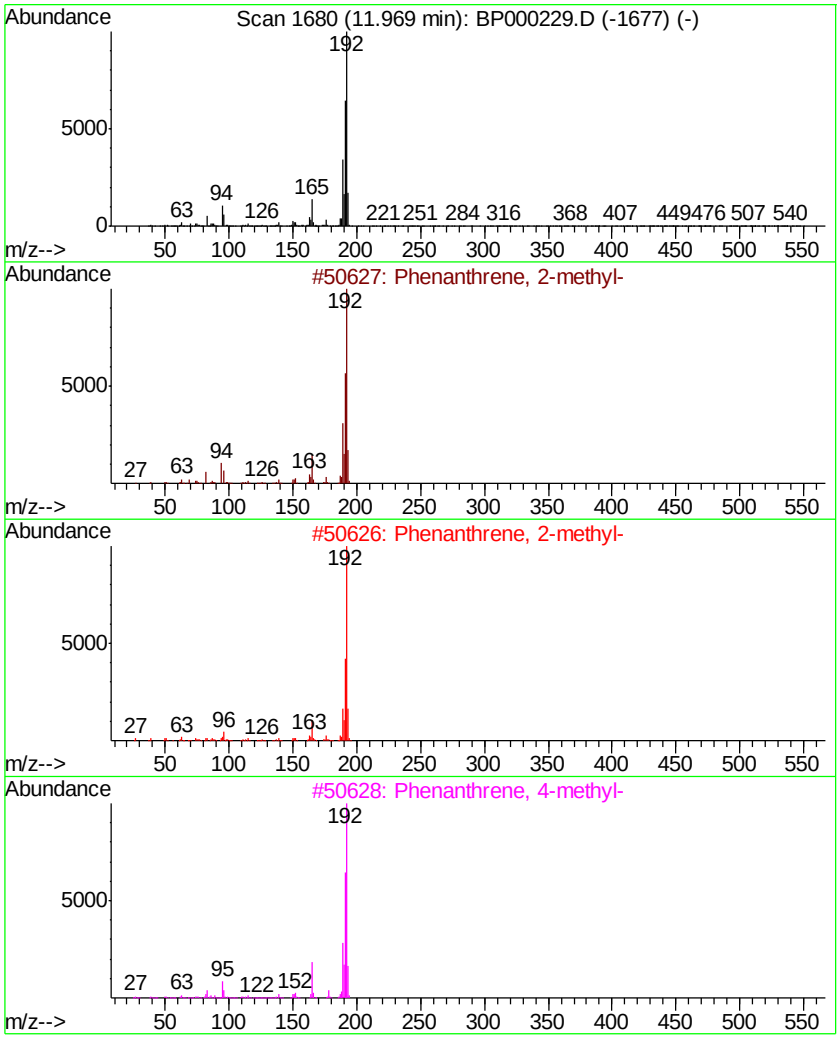
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

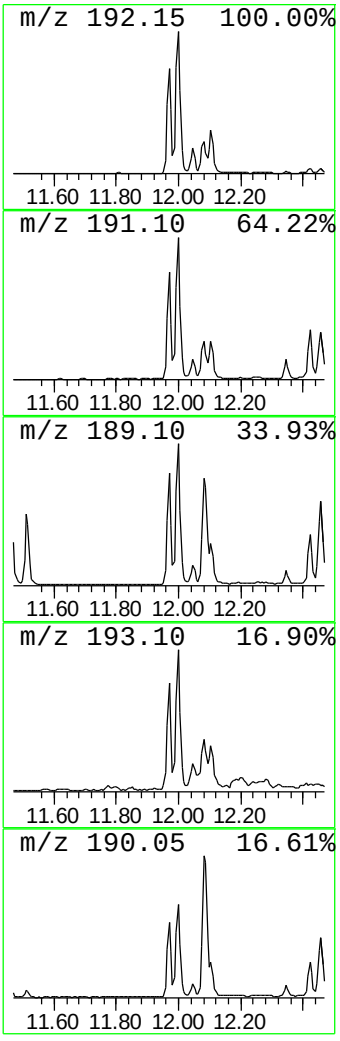
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.83 ng/ul	476976	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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

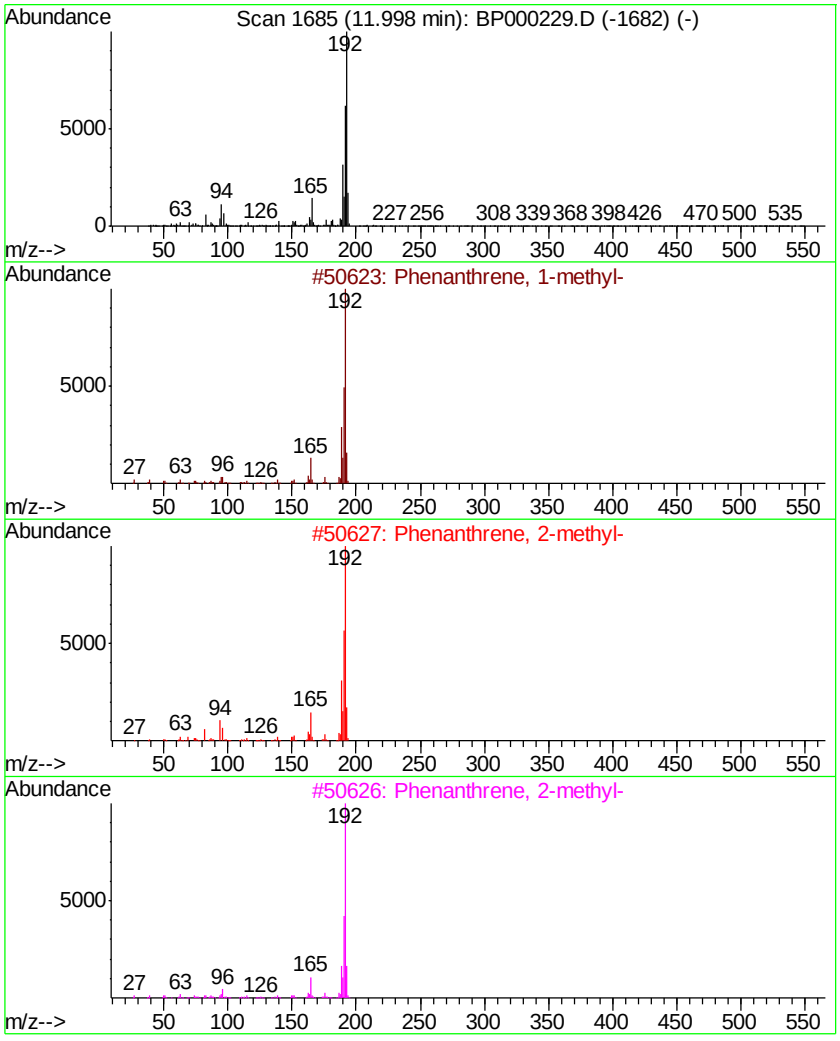
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

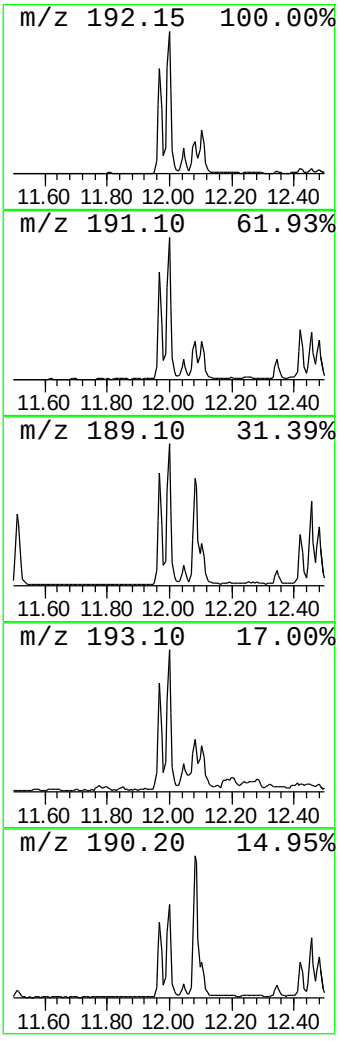
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.08 ng/ul	756223	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
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 : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

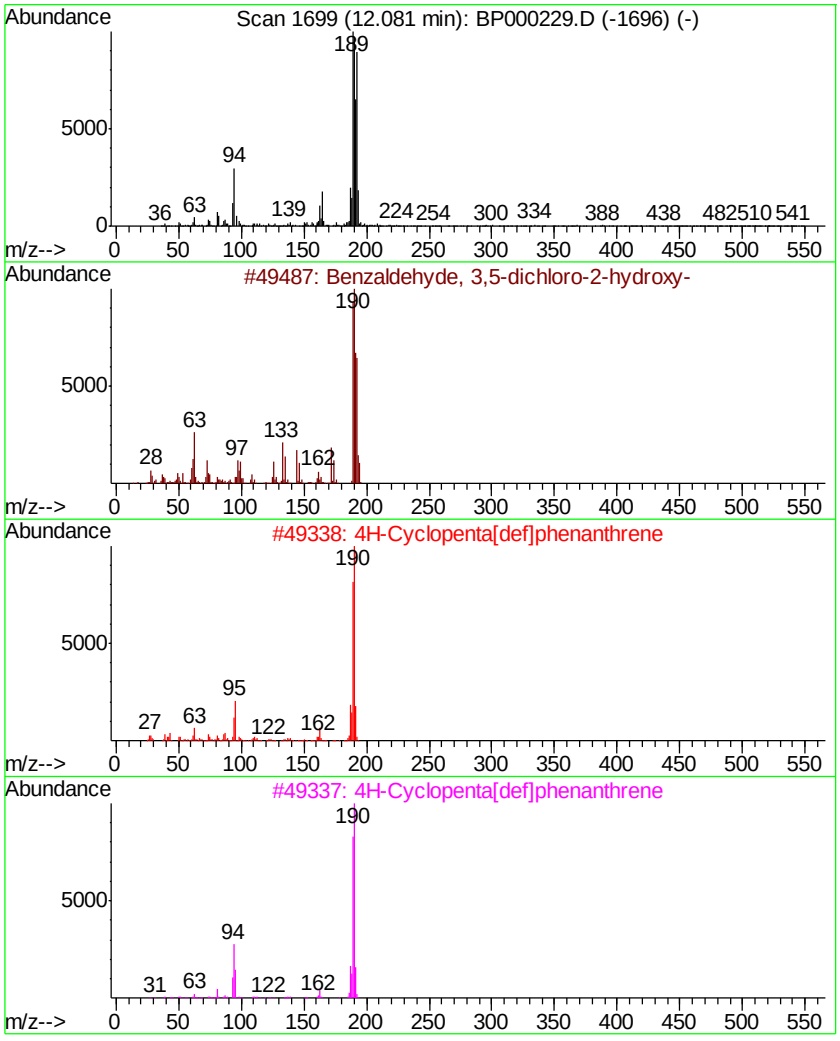
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

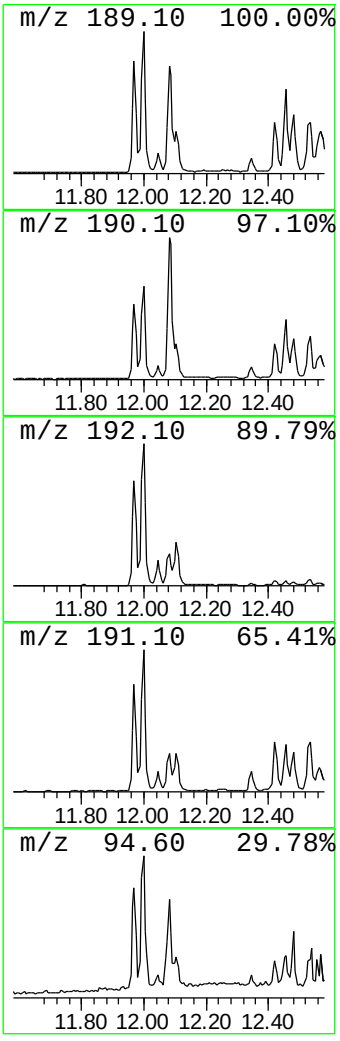
****

Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.72 ng/ul	338894	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	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

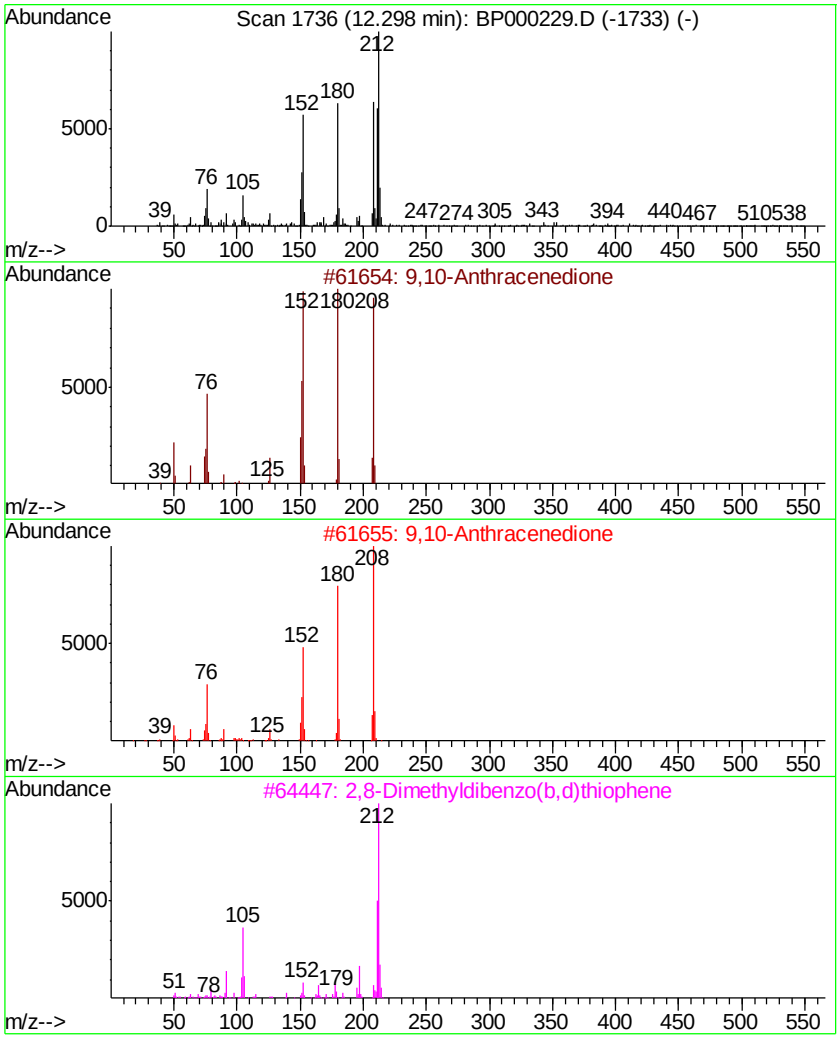
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

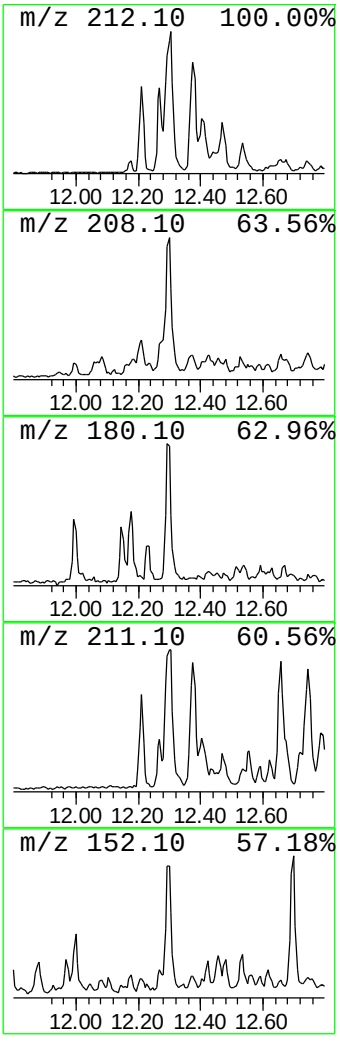
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.26 ng/ul	280925	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	66
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	50
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	47
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

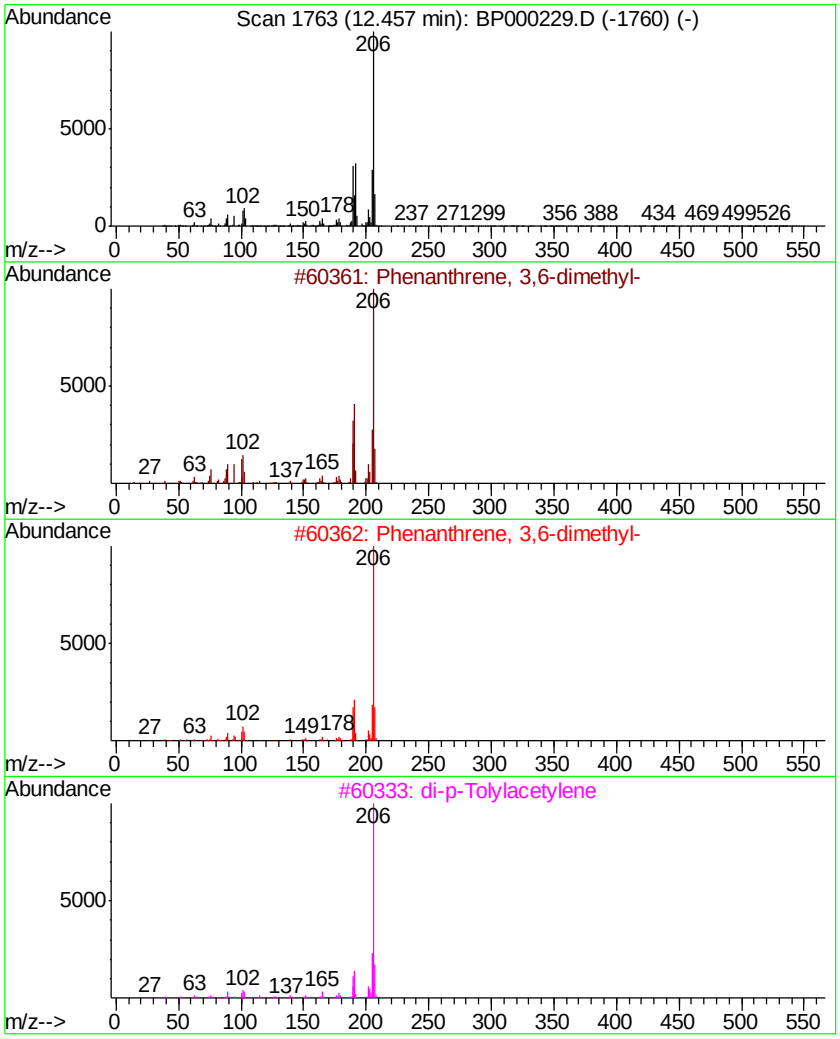
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

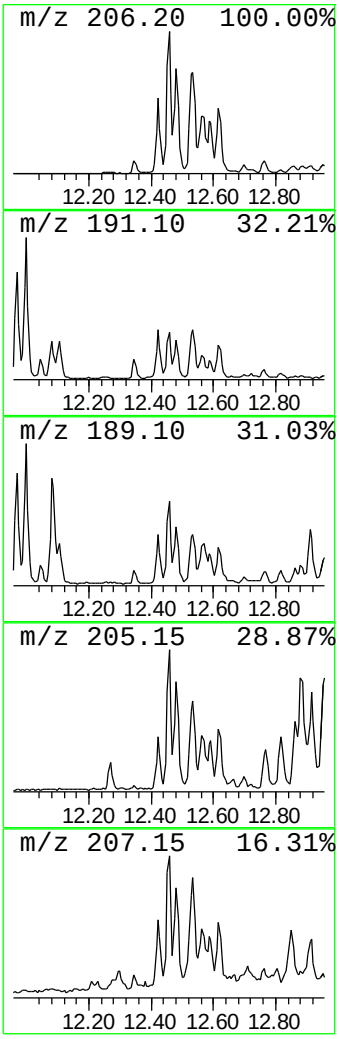
****

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.31 ng/ul	412324	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

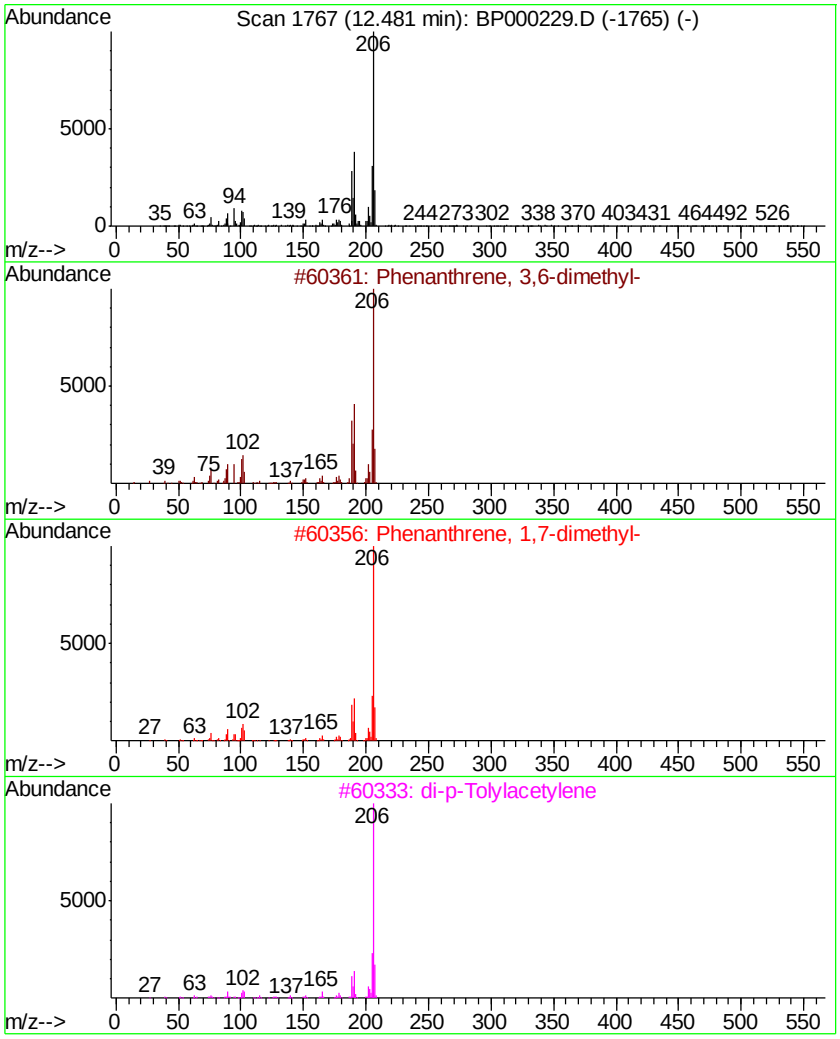
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

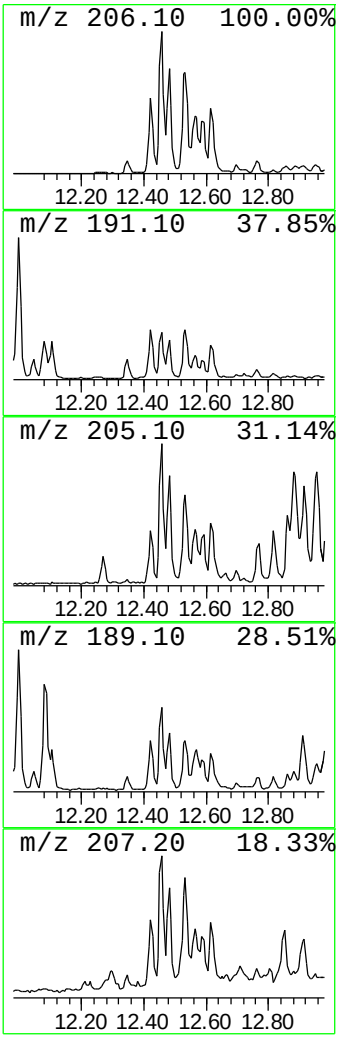
****

Peak Number 7 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.50 ng/ul	311235	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, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

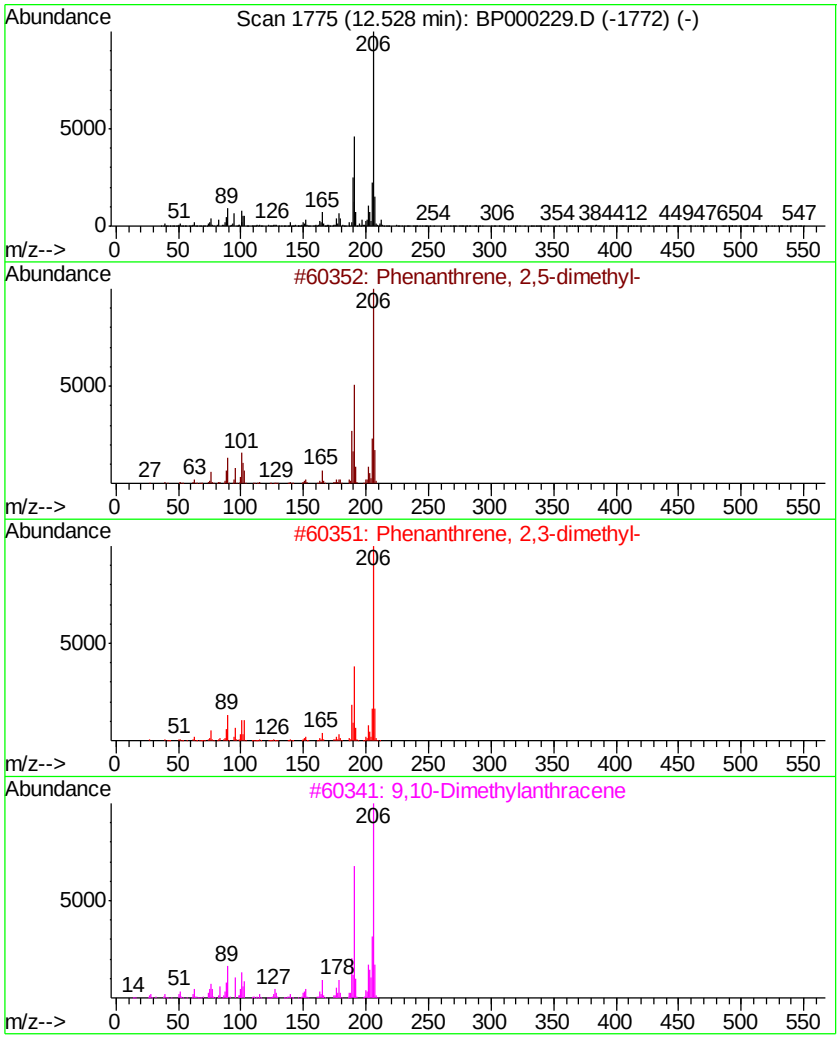
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

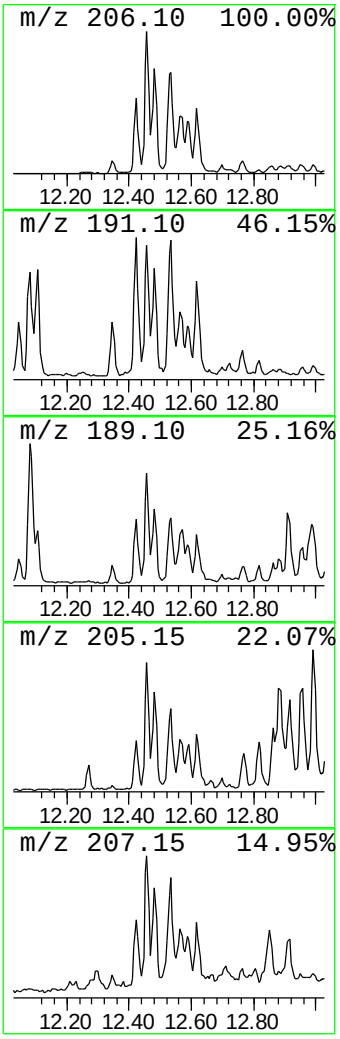
****

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.68 ng/ul	457359	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

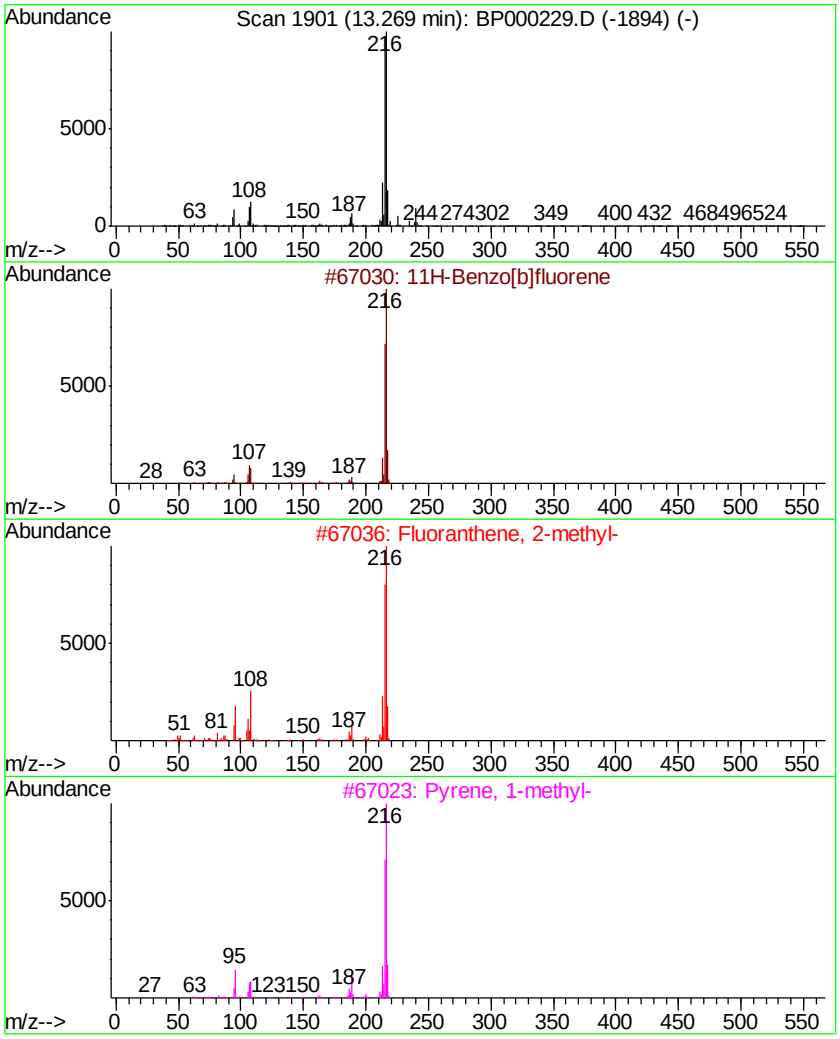
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

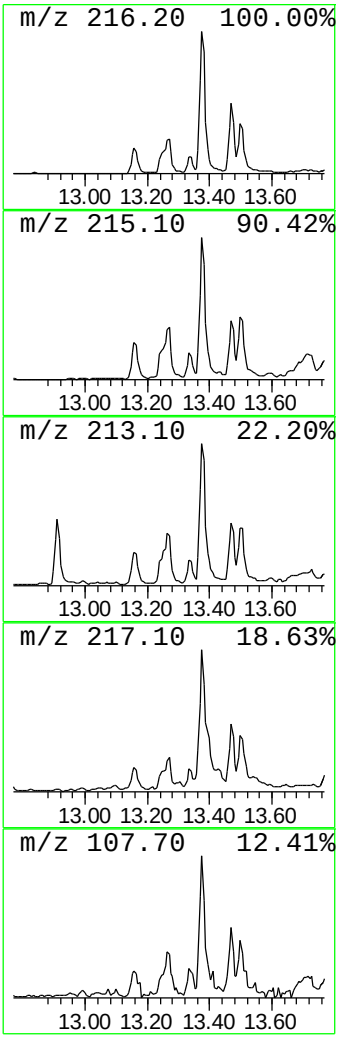
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.54 ng/ul	664171	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

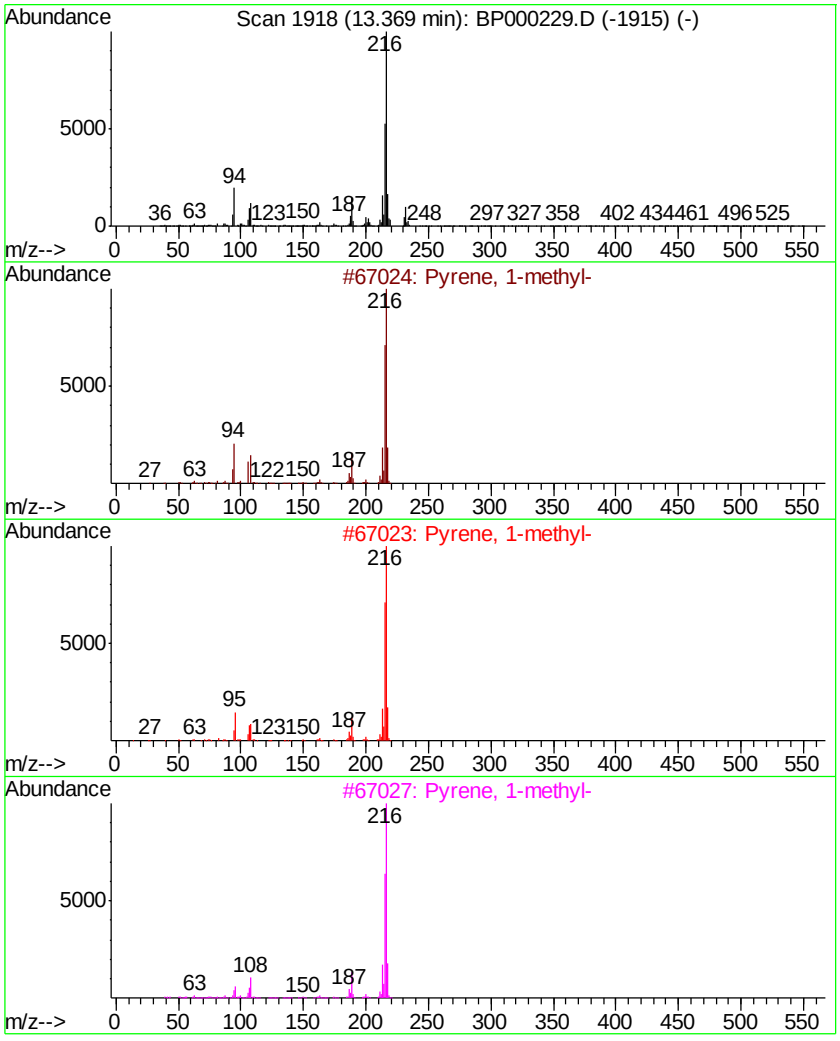
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

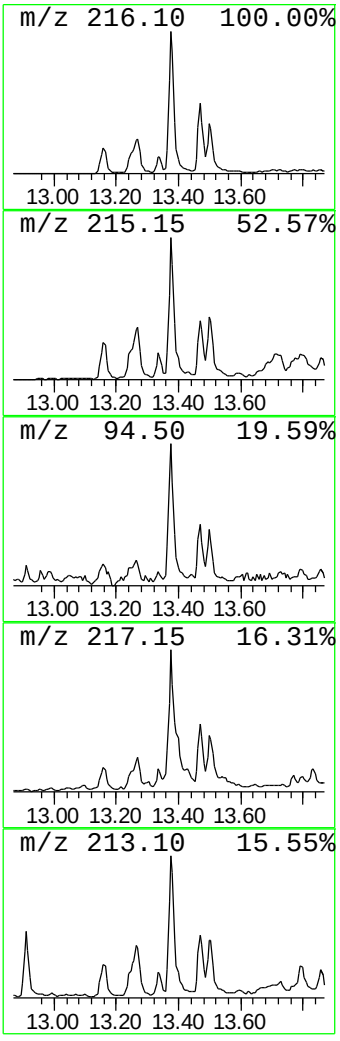
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	7.69 ng/ul	2009440	Chrysene-d12	14.17

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, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

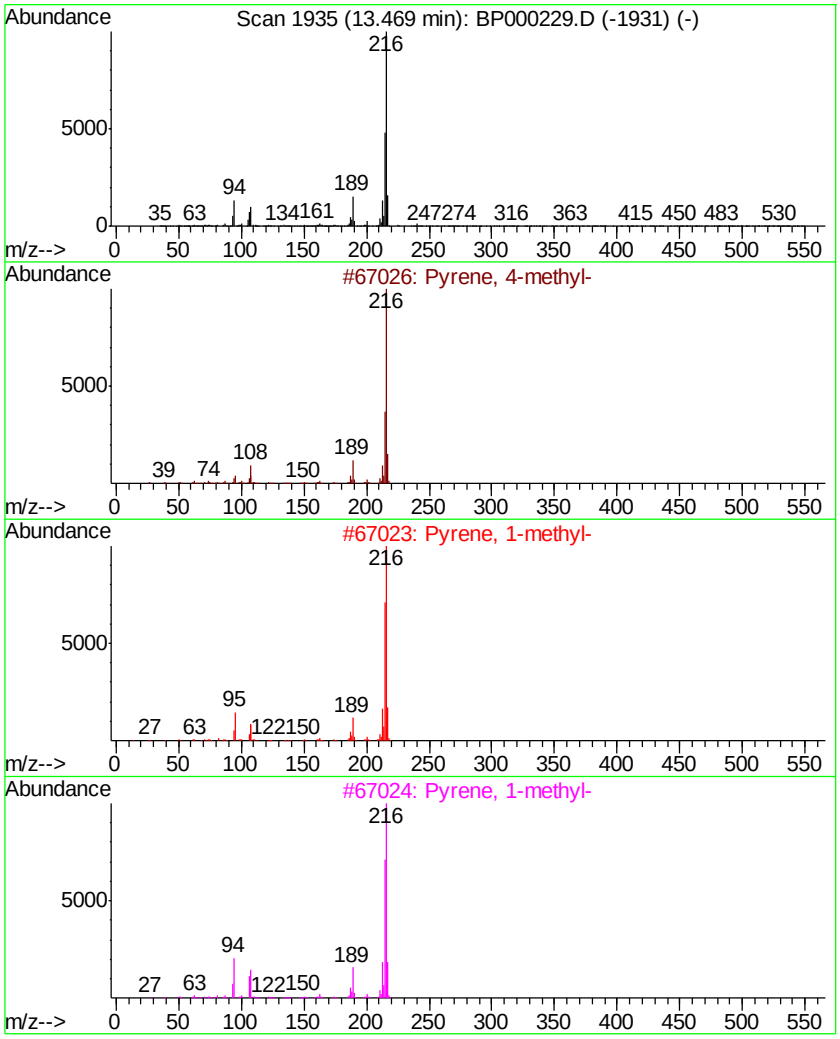
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

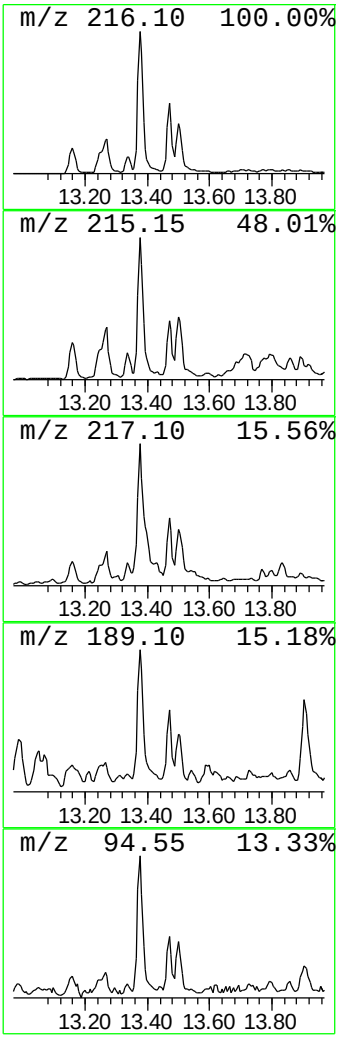
****

Peak Number 12 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.32 ng/ul	606642	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

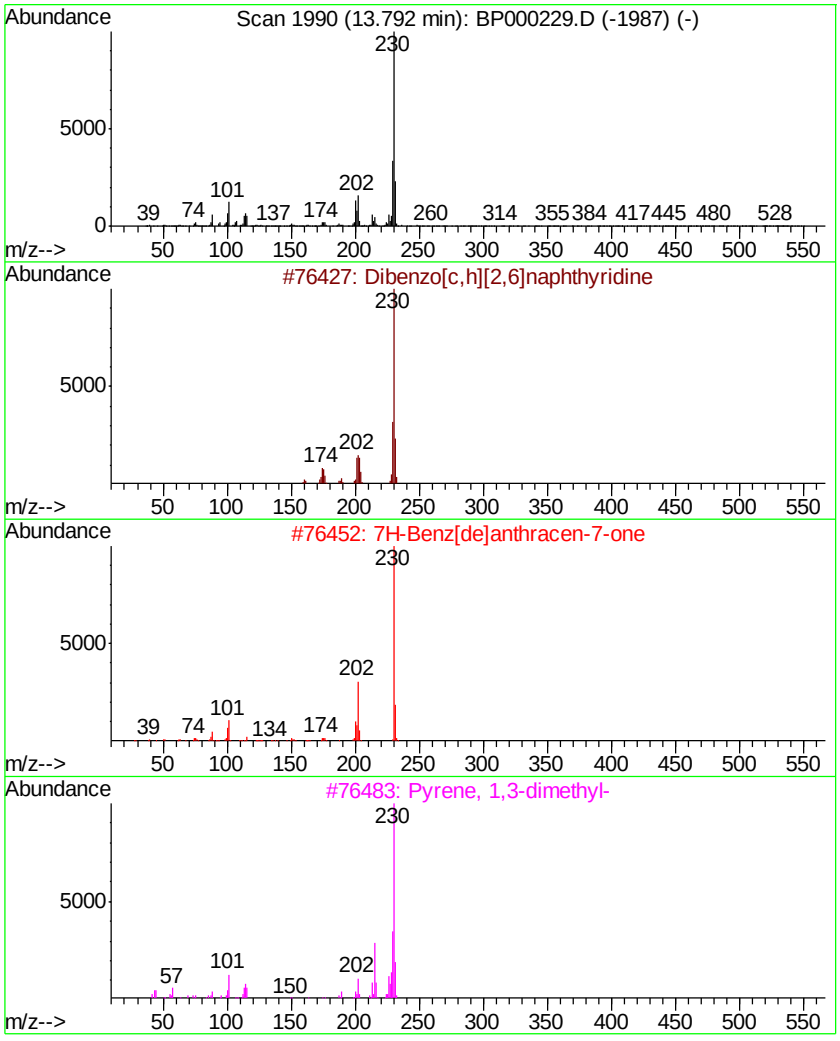
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

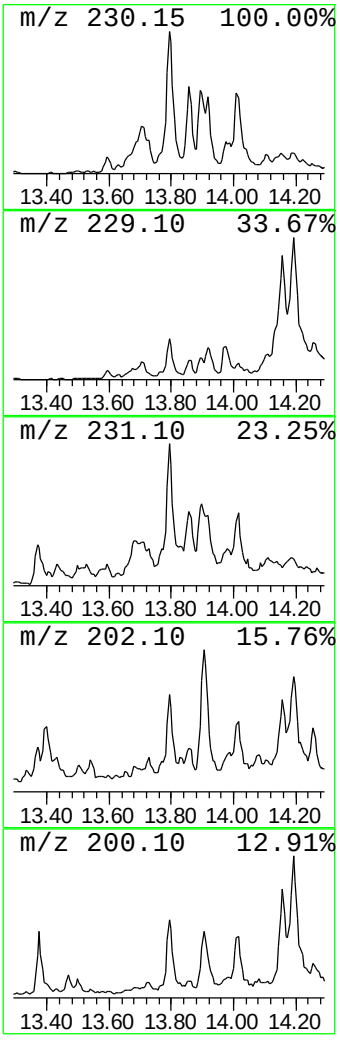
****

Peak Number 13 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.57 ng/ul	672552	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	81
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	68
5	Visnagin	230	C13H10O4	000082-57-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

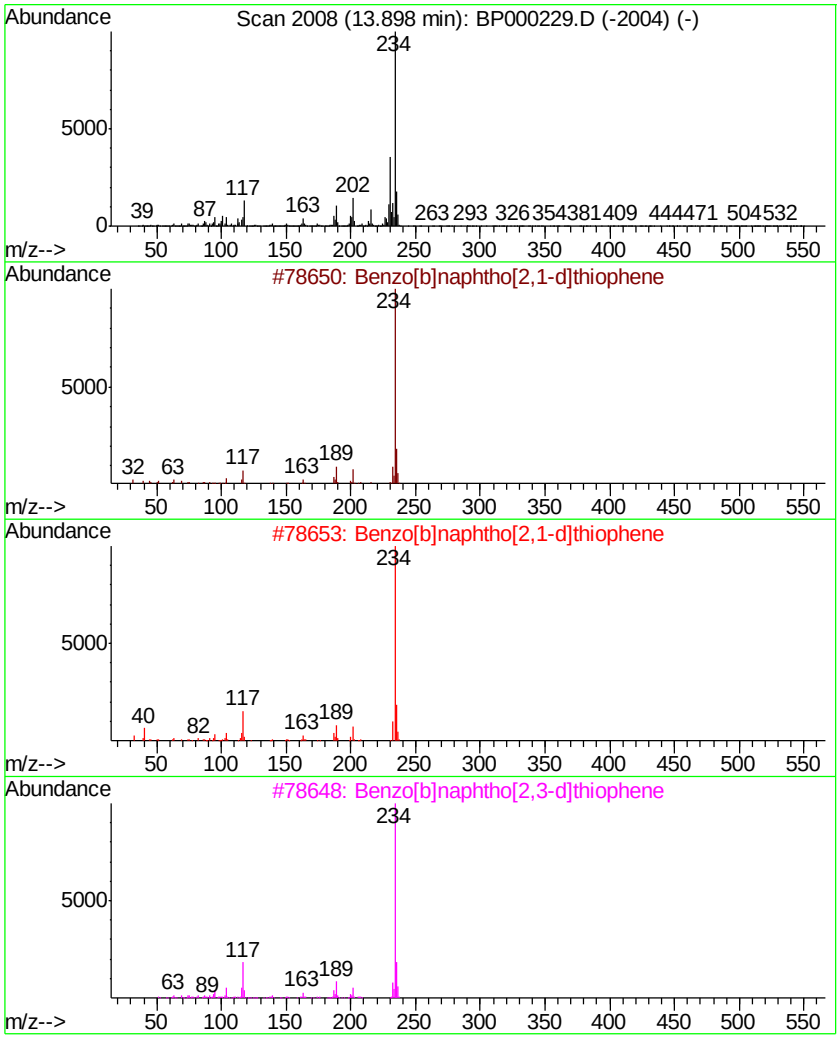
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

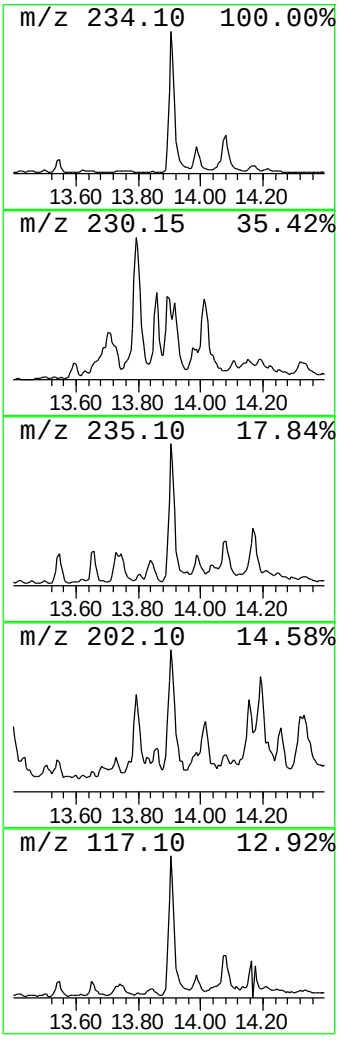
****

Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	7.82 ng/ul	2042670	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	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

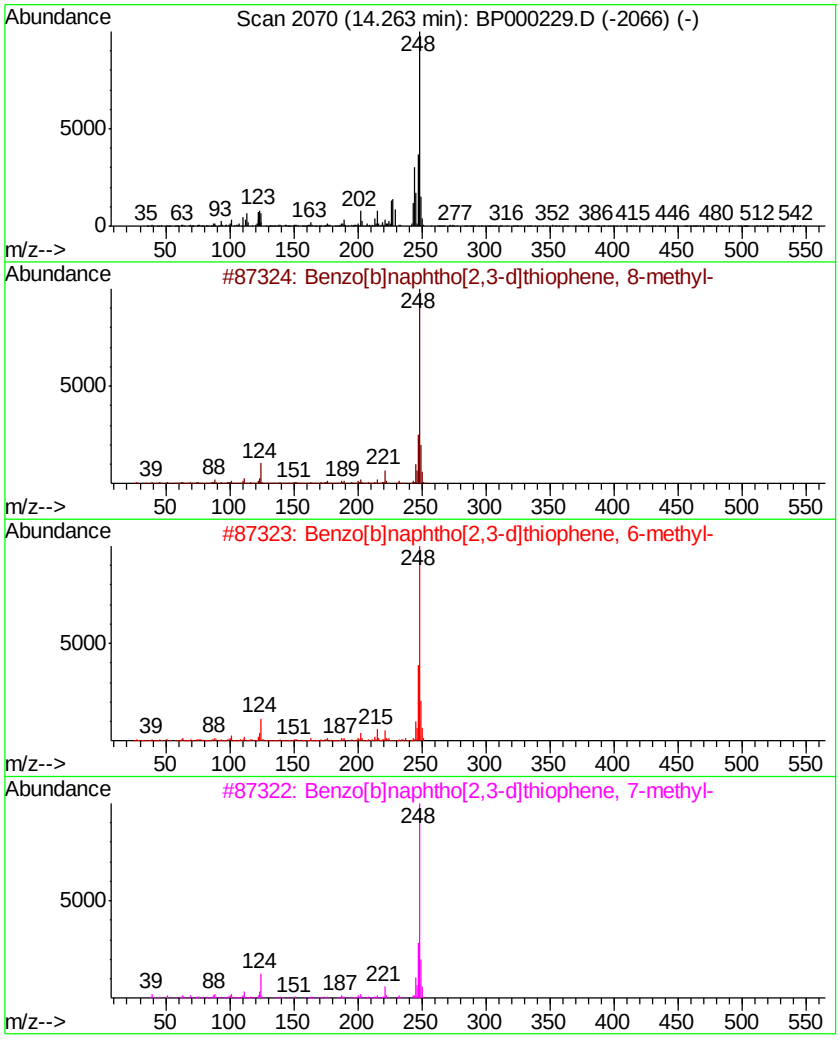
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

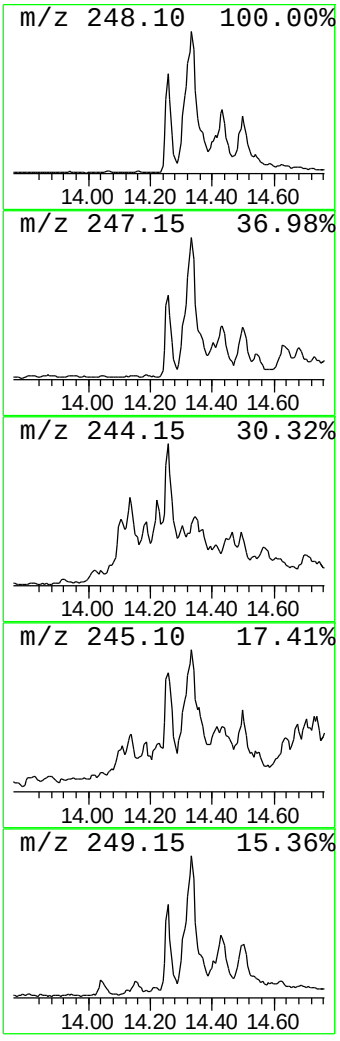
****

Peak Number 15 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	4.37 ng/ul	1140900	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	76
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	68
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	59
4	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	53
5	p-Cyanostyryl 6-methyl-3-pyridyl...	248	C16H12N2O	004637-01-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

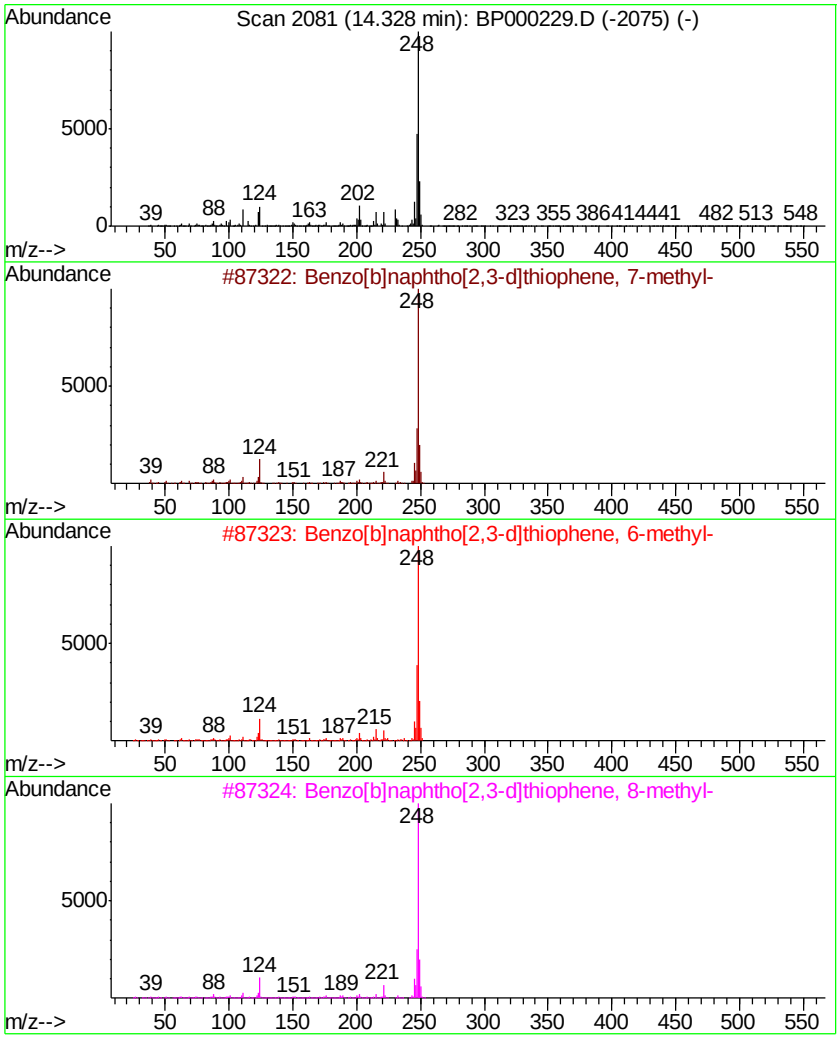
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

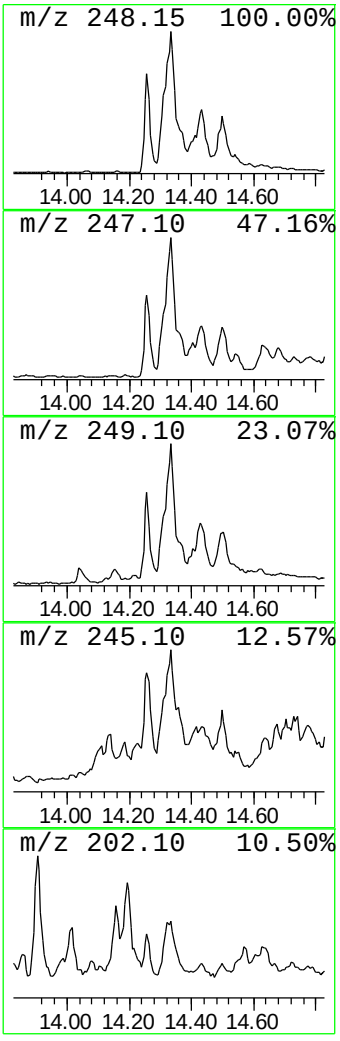
****

Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	6.32 ng/ul	1650800	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-09-8	90
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	80
3	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024964-07-6	76
4	Pyrazolo[1,5-a]pyrimidine-6-carb...	248	C15H12N4	250646-38-9	64
5	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

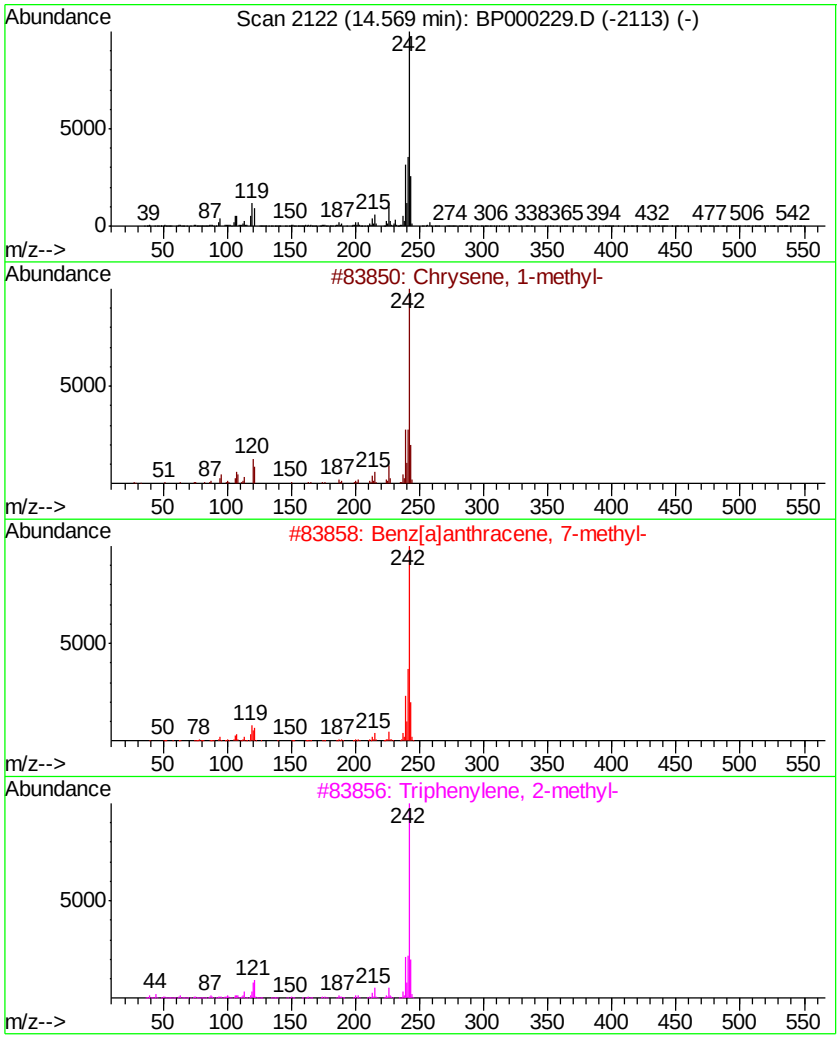
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

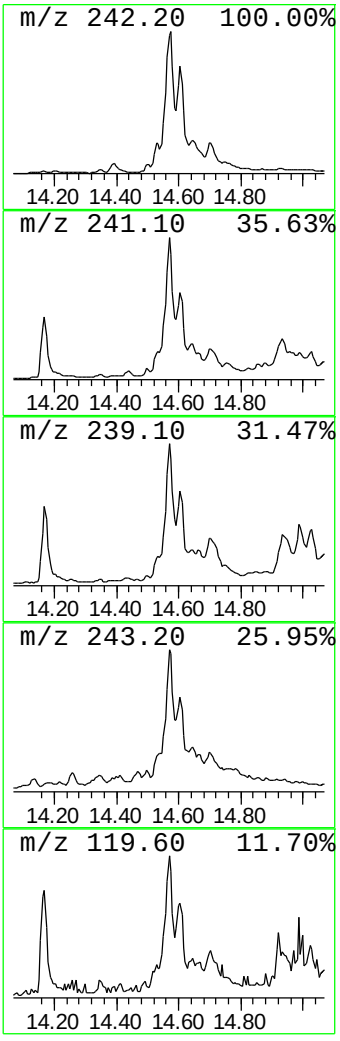
****

Peak Number 17 Chrysene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	13.02 ng/ul	3401620	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

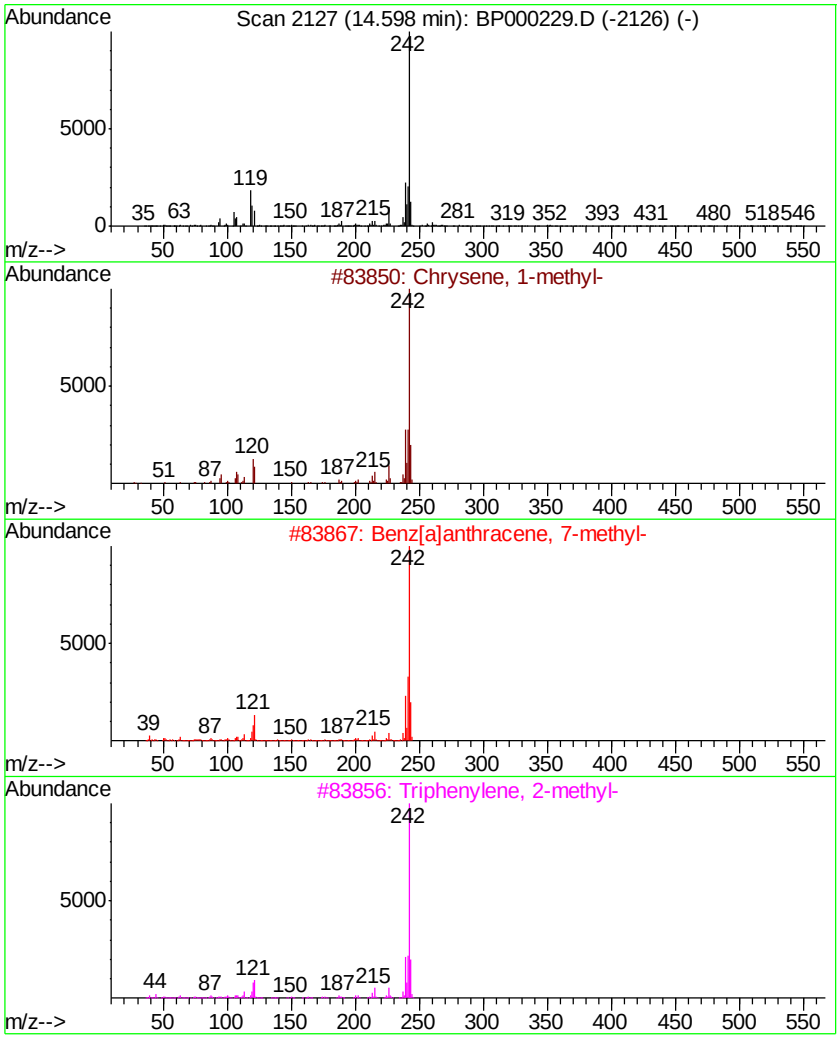
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

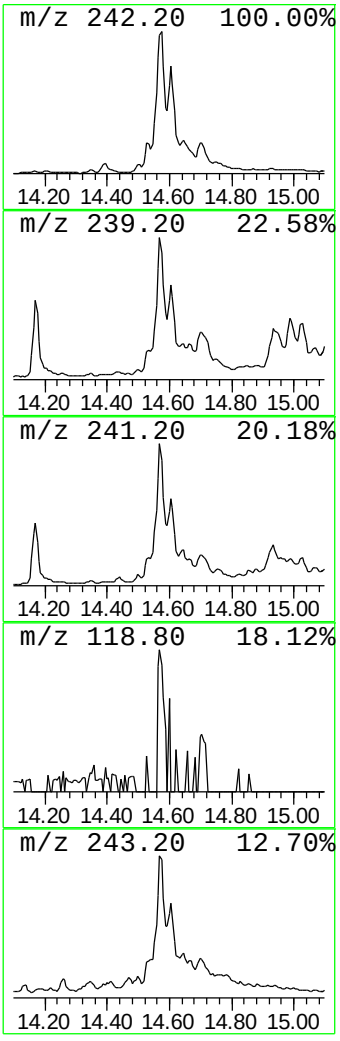
****

Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.92 ng/ul	763487	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	78
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76
4	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	64
5	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

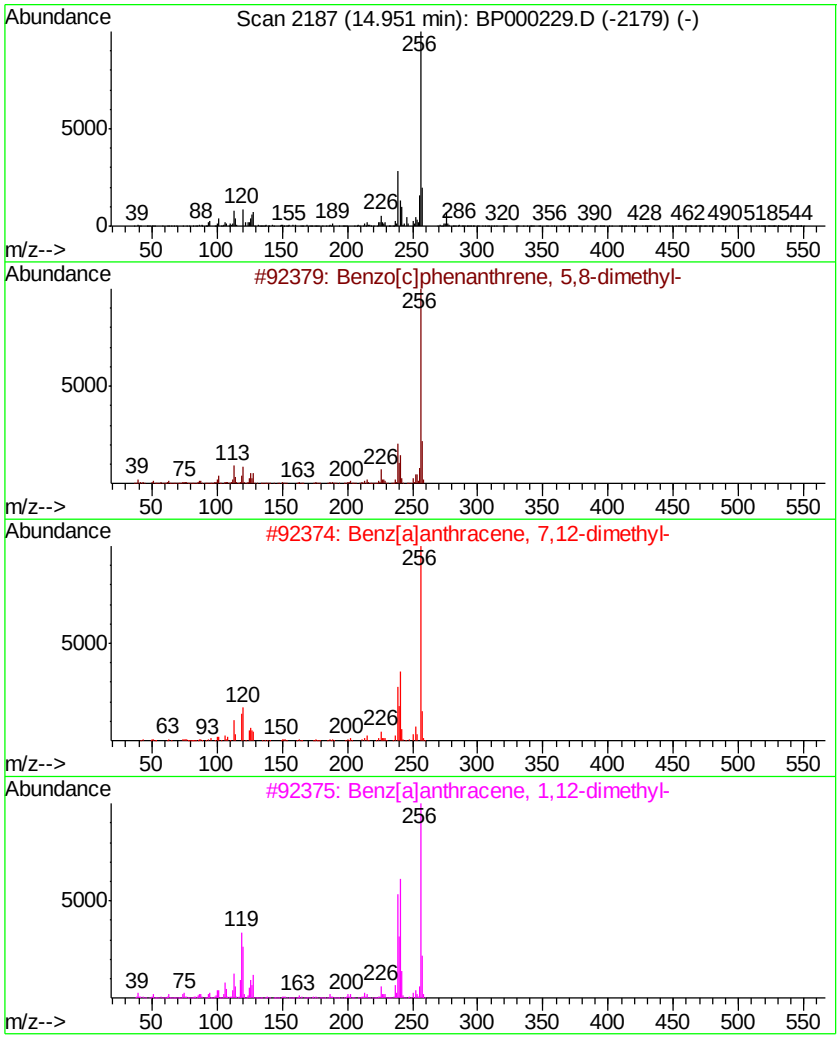
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

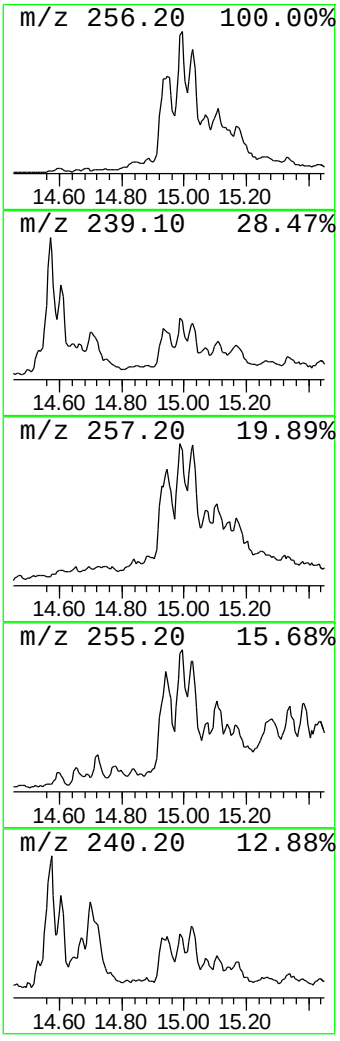
****

Peak Number 19 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.69 ng/ul	1226120	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	96
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	86
3	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	83
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	76
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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

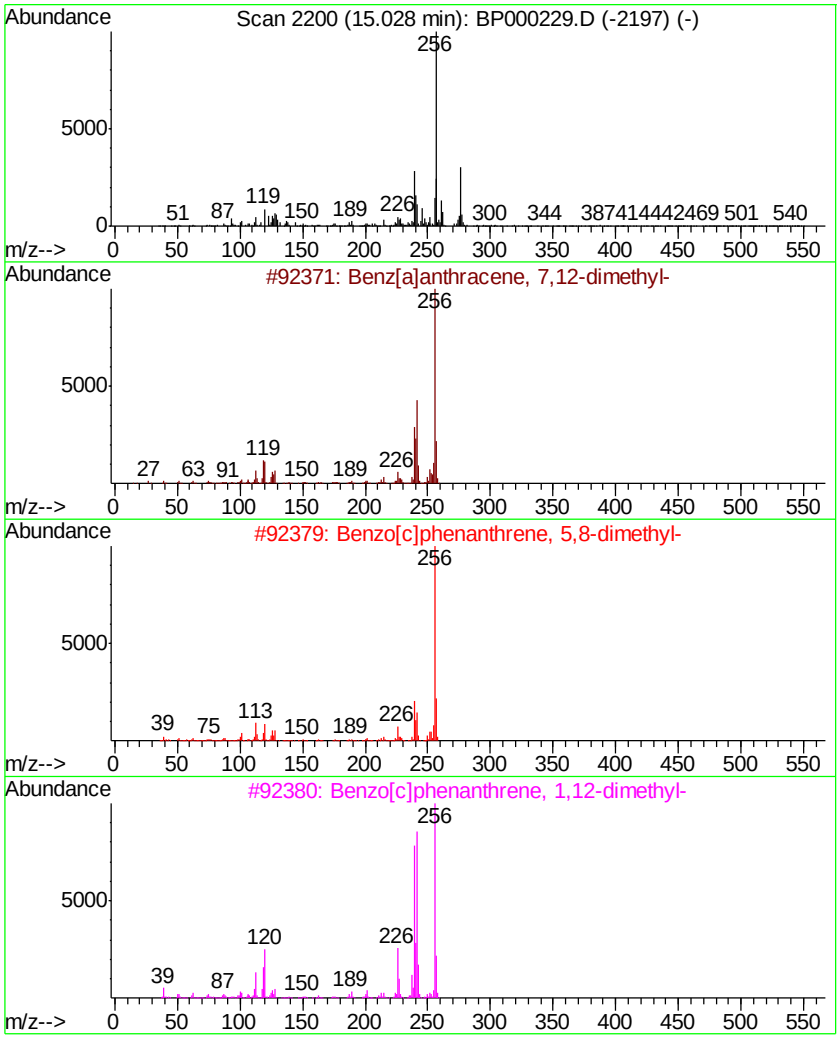
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

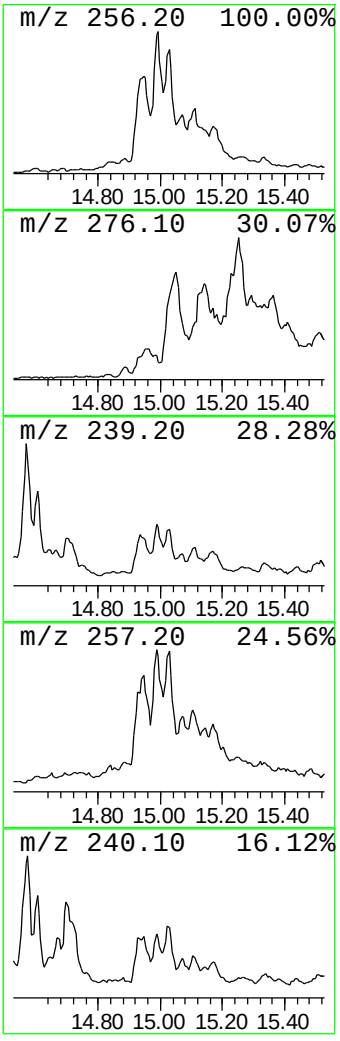
****

Peak Number 21 Benz[a]anthracene, 7,12-dim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	6.77 ng/ul	705421	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	91
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	70
3	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	62
4	3,4-Dihydro-1,1'-binaphthalene	256	C20H16	021039-44-1	62
5	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000229.D
Acq On : 12 Sep 2019 21:23
Operator : HP/JU
Sample : K4634-21DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39DL

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	38.8	ng/ul	2921740	1	6.90	1504630	20.0
Phenanthrene, 2-m...	11.97	3.8	ng/ul	476976	4	11.46	2488790	20.0
Phenanthrene, 1-m...	12.00	6.1	ng/ul	756223	4	11.46	2488790	20.0
Benzaldehyde, 3,5...	12.08	2.7	ng/ul	338894	4	11.46	2488790	20.0
9,10-Anthracenedione	12.30	2.3	ng/ul	280925	4	11.46	2488790	20.0
Phenanthrene, 3,6...	12.46	3.3	ng/ul	412324	4	11.46	2488790	20.0
Phenanthrene, 1,7...	12.48	2.5	ng/ul	311235	4	11.46	2488790	20.0
9,10-Dimethylanth...	12.53	3.7	ng/ul	457359	4	11.46	2488790	20.0
11H-Benzo[b]fluorene	13.27	2.5	ng/ul	664171	5	14.17	5224340	20.0
Pyrene, 1-methyl-	13.37	7.7	ng/ul	2009440	5	14.17	5224340	20.0
Pyrene, 4-methyl-	13.47	2.3	ng/ul	606642	5	14.17	5224340	20.0
Dibenzo[c,h][2,6]...	13.79	2.6	ng/ul	672552	5	14.17	5224340	20.0
Benzo[b]naphtho[2...	13.90	7.8	ng/ul	2042670	5	14.17	5224340	20.0
Benzo[b]naphtho[2...	14.26	4.4	ng/ul	1140900	5	14.17	5224340	20.0
Benzo[b]naphtho[2...	14.33	6.3	ng/ul	1650800	5	14.17	5224340	20.0
Chrysene, 1-methyl-	14.57	13.0	ng/ul	3401620	5	14.17	5224340	20.0
Triphenylene, 2-m...	14.60	2.9	ng/ul	763487	5	14.17	5224340	20.0
Benzo[c]phenanthr...	14.95	4.7	ng/ul	1226120	5	14.17	5224340	20.0
Benz[a]anthracene...	15.03	6.8	ng/ul	705421	6	15.75	2084510	20.0