LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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	6	13	18	rBV	8248039	12270588	59.22%	4.750%
2	2.276	28	32	39	rVB	86708	107807	0.52%	0.042%
3	3.770	281	286	294	rBV	103264	143860	0.69%	0.056%
4	6.511	748	752	759	rBV2	1539294	1377178	6.65%	0.533%
5	6.575	759	763	767	rVB	1088540	952893	4.60%	0.369%
6	6.664	774	778	781	rBV	1410071	1305388	6.30%	0.505%
7	6.893	814	817	821	rBV	2380593	1939799	9.36%	0.751%
8	7.258	876	879	883	rBV	1671783	1447789	6.99%	0.560%
9	7.446	908	911	915	rBV	1330193	1120998	5.41%	0.434%
10	7.775	963	967	970	rBV	1167507	904273	4.36%	0.350%
11	8.016	1005	1008	1017	rBV	1852420	1481487	7.15%	0.573%
12	8.181	1032	1036	1038	rBV	3200452	2594354	12.52%	1.004%
13	8.199	1038	1039	1042	rVV	375671	248157	1.20%	0.096%
14	8.234	1042	1045	1059	rVB	348826	368819	1.78%	0.143%
15	8.893	1154	1157	1162	rVV	202227	172530	0.83%	0.067%
16	9.457	1250	1253	1259	rVB	171755	158261	0.76%	0.061%
17	9.528	1259	1265	1269	rBV2	124490	175518	0.85%	0.068%
18	9.599	1274	1277	1280	rVV	96318	109433	0.53%	0.042%
19	9.634	1280	1283	1285	rVV	2451567	1976751	9.54%	0.765%
20	9.657	1285	1287	1292	rVV	571405	460723	2.22%	0.178%
21	9.793	1306	1310	1323	rVB	3153876	2632385	12.70%	1.019%
22	9.952	1333	1337	1339	rBV	3253719	2964890	14.31%	1.148%
23	9.981	1339	1342	1346	rVV	3189655	2552530	12.32%	0.988%
24	10.040	1349	1352	1359	rVV2	379200	558405	2.69%	0.216%
25	10.110	1359	1364	1368	rVV3	98188	130927	0.63%	0.051%
26	10.152	1368	1371	1375	rVB	398294	355868	1.72%	0.138%
27	10.475	1422	1426	1429	rBV	2943466	2911364	14.05%	1.127%
28	10.499	1429	1430	1434	rVV	456135	391909	1.89%	0.152%
29	10.540	1434	1437	1440	rVV2	412231	532655	2.57%	0.206%
30	10.569	1440	1442	1444	rVV	269365	250134	1.21%	0.097%
31	10.593	1444	1446	1449	rVV2	193204	210886	1.02%	0.082%
32	10.640	1452	1454	1456	rVV	123784	116007	0.56%	0.045%
33	10.746	1468	1472	1476	rVB	97371	135249	0.65%	0.052%
34	10.869	1487	1493	1501	rBV	439039	511827	2.47%	0.198%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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	11.040	1517	1522	1524	rBV3	69585	106739	0.52%	0.041%
36	11.257	1555	1559	1564	rVB	417437	431587	2.08%	0.167%
37	11.310	1564	1568	1572	rBV3	124902	184308	0.89%	0.071%
38	11.351	1572	1575	1581	rVB	627385	613422	2.96%	0.237%
39	11.457	1589	1593	1595	rBV	3042852	3353720	16.18%	1.298%
40	11.487	1595	1598	1600	rVV	7364247	7709679	37.21%	2.984%
41	11.516	1600	1603	1605	rVV	2982340	3326004	16.05%	1.287%
42	11.534	1605	1606	1609	rVV	1976707	1236797	5.97%	0.479%
43	11.563	1609	1611	1615	rVB	322353	322860	1.56%	0.125%
44	11.687	1627	1632	1641	rBV2	1013498	1357632	6.55%	0.526%
45	11.793	1647	1650	1656	rVB	599972	597385	2.88%	0.231%
46	11.881	1658	1665	1669	rVB	534140	733162	3.54%	0.284%
47	11.969	1676	1680	1682	rBV	2507631	2465957	11.90%	0.955%
48	11.999	1682	1685	1690	rVB	3921616	3840910	18.54%	1.487%
49	12.046	1690	1693	1696	rBV	507423	451132	2.18%	0.175%
50	12.081	1696	1699	1701	rBV	1405771	1548786	7.47%	0.600%
51	12.104	1701	1703	1708	rVB	1054128	1037374	5.01%	0.402%
52	12.175	1712	1715	1718	rBV	156919	152315	0.74%	0.059%
53	12.210	1718	1721	1727	rBV2	351558	357353	1.72%	0.138%
54	12.269	1727	1731	1733	rBV	843350	895694	4.32%	0.347%
55	12.299	1733	1736	1742	rVB2	937513	1380962	6.66%	0.535%
56	12.346	1742	1744	1746	rBV	292240	243394	1.17%	0.094%
57	12.375	1746	1749	1752	rBV	341561	360444	1.74%	0.140%
58	12.422	1752	1757	1760	rBV	1352047	1525214	7.36%	0.590%
59	12.457	1760	1763	1765	rBV	2042328	1953292	9.43%	0.756%
60	12.481	1765	1767	1771	rVB	1659105	1702306	8.22%	0.659%
61	12.534	1771	1776	1779	rBV	1871825	2351820	11.35%	0.910%
62	12.569	1779	1782	1784	rBV2	575637	616176	2.97%	0.239%
63	12.593	1784	1786	1788	rVB	599155	485275	2.34%	0.188%
64	12.622	1788	1791	1796	rVB	1255979	1432867	6.91%	0.555%
65	12.663	1796	1798	1800	rBV	318740	287576	1.39%	0.111%
66	12.710	1800	1806	1810	rBV	9784508	13018010	62.82%	5.039%
67	12.746	1810	1812	1814	rBV	291509	302324	1.46%	0.117%
68	12.851	1827	1830	1835	rVV2	887174	1408223	6.80%	0.545%
69	12.893	1835	1837	1838	rVV2	495093	464493	2.24%	0.180%
70	12.946	1838	1846	1851	rVV2	10411177	20721851	100.00%	8.021%
71	12.998	1851	1855	1859	rVB2	1469706	2005895	9.68%	0.776%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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	13.046	1859	1863	1866	rBV3	842796	1430047	6.90%	0.554%
73	13.075	1866	1868	1870	rVV2	887407	965041	4.66%	0.374%
74	13.098	1870	1872	1877	rVB	886161	1159583	5.60%	0.449%
75	13.163	1877	1883	1889	rBV5	1370586	3090404	14.91%	1.196%
76	13.216	1889	1892	1895	rVV	701247	737027	3.56%	0.285%
77	13.275	1895	1902	1906	rVV	1628913	3224342	15.56%	1.248%
78	13.316	1906	1909	1911	rVV	393976	499307	2.41%	0.193%
79	13.345	1911	1914	1916	rVV	769544	1000753	4.83%	0.387%
80	13.387	1916	1921	1932	rVV2	5685265	10290818	49.66%	3.983%
81	13.481	1932	1937	1939	rVV	2465124	3244926	15.66%	1.256%
82	13.510	1939	1942	1946	rVV	2241198	3097569	14.95%	1.199%
83	13.545	1946	1948	1953	rVB2	765859	907176	4.38%	0.351%
84	13.598	1954	1957	1960	rBV3	393233	506699	2.45%	0.196%
85	13.663	1965	1968	1970	rBV3	516567	697538	3.37%	0.270%
86	13.810	1985	1993	2000	rBV2	2509319	5115167	24.68%	1.980%
87	13.869	2000	2003	2007	rVB	1165469	1394845	6.73%	0.540%
88	13.922	2007	2012	2018	rBV4	4529349	9311550	44.94%	3.604%
89	13.993	2018	2024	2027	rVV4	902584	1673947	8.08%	0.648%
90	14.034	2027	2031	2037	rVB2	986534	1790434	8.64%	0.693%
91	14.093	2037	2041	2044	rBV	647892	921057	4.44%	0.357%
92	14.187	2049	2057	2059	rVV2	6550892	14704767	70.96%	5.692%
93	14.222	2060	2063	2069	rVV	7344001	14430302	69.64%	5.586%
94	14.281	2069	2073	2078	rVV2	2074848	3754067	18.12%	1.453%
95	14.357	2079	2086	2093	rVB	2249261	5630465	27.17%	2.179%
96	14.516	2110	2113	2116	rBV2	705857	1168481	5.64%	0.452%
97	14.604	2121	2128	2132	rBV2	4852589	12289390	59.31%	4.757%
98	14.969	2183	2190	2196	rBV5	2365223	7333883	35.39%	2.839%
99	15.345	2243	2254	2256	rBV	4669882	13340104	64.38%	5.164%
100	15.681	2302	2311	2316	rBV3	2871923	10078839	48.64%	3.901%

Sum of corrected areas: 258343108

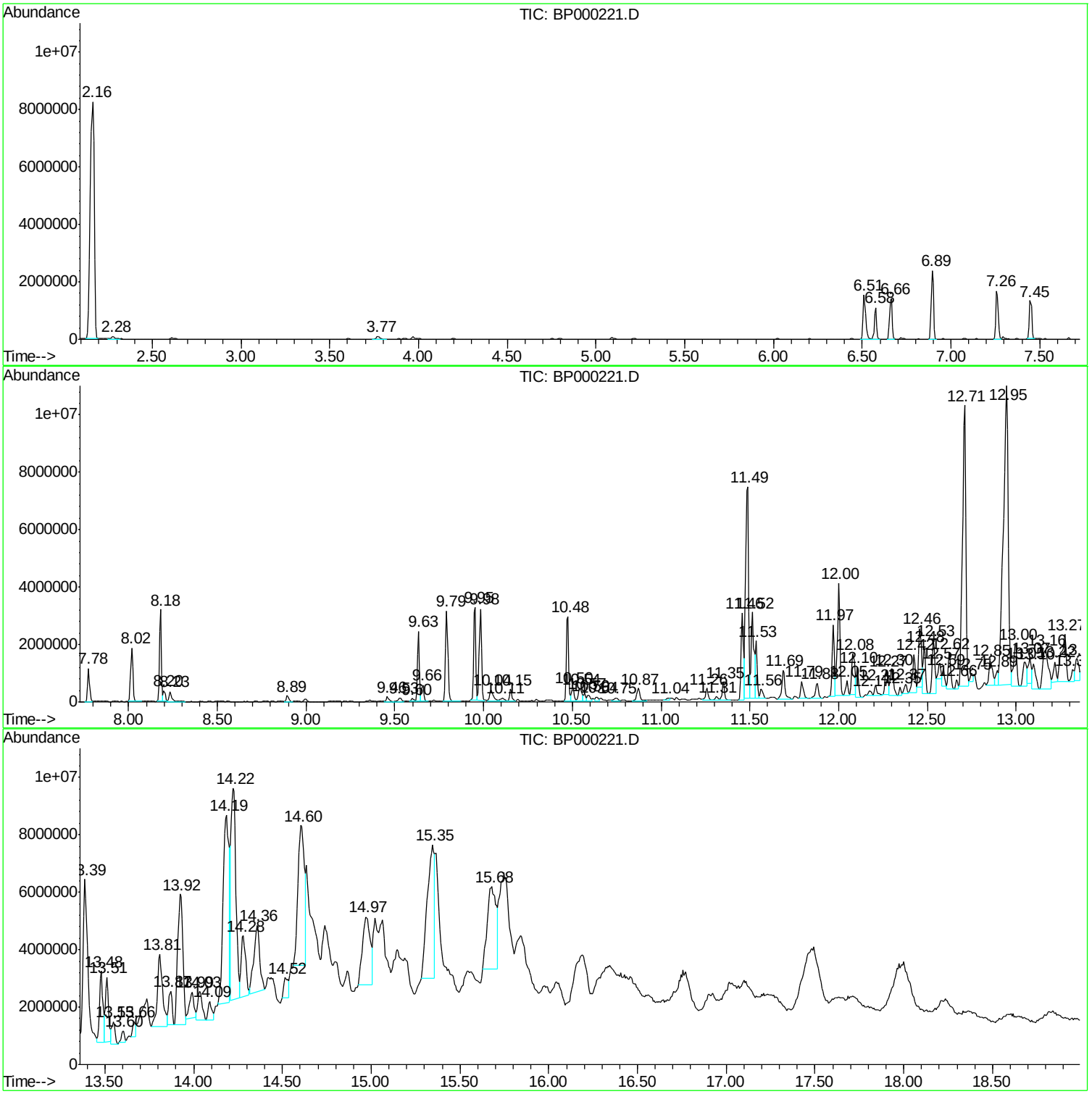
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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 : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

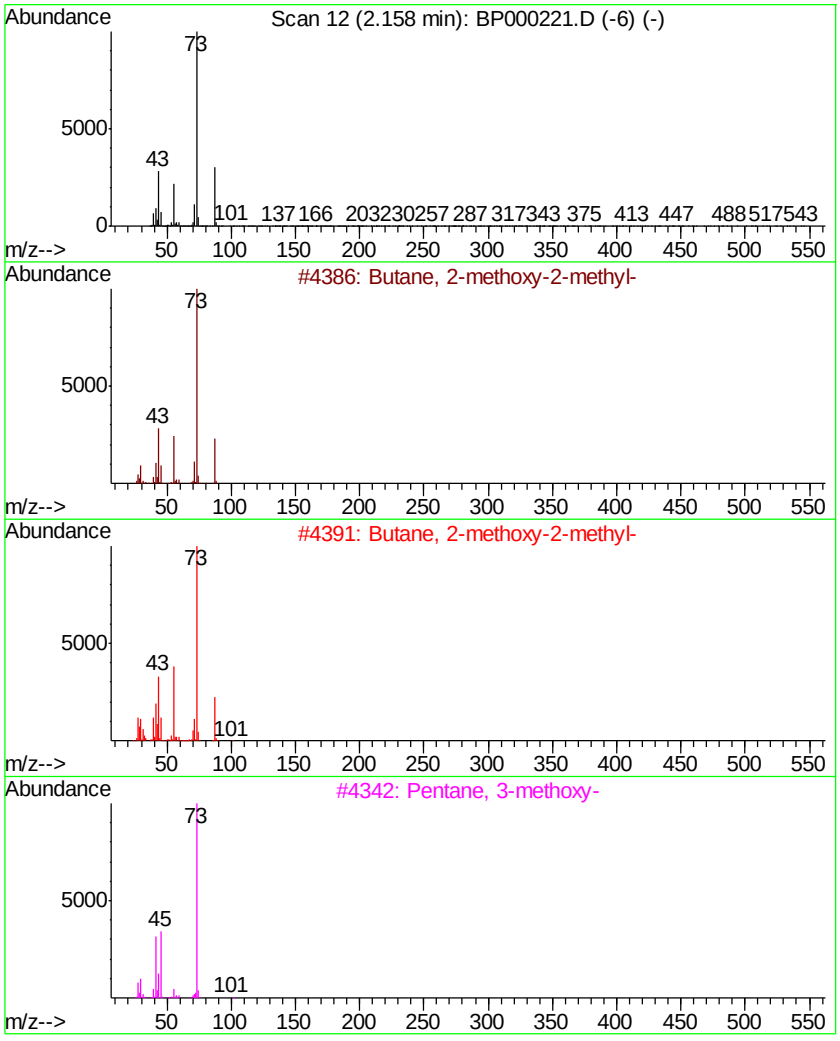
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

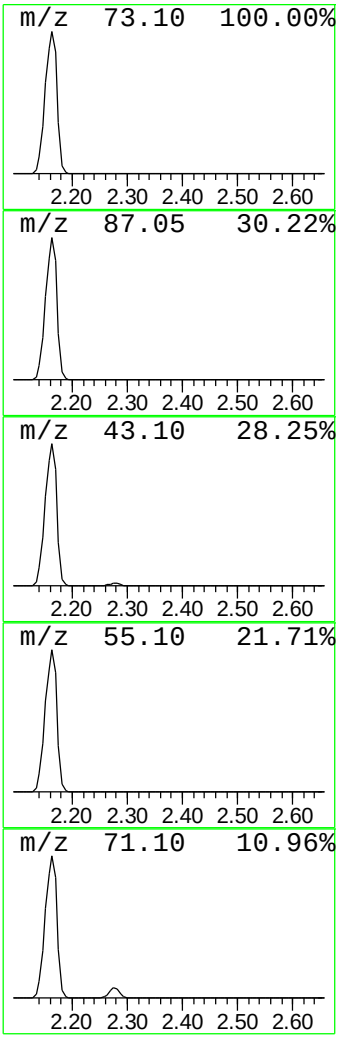
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	126.51 ng/ul	12270600	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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	7





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

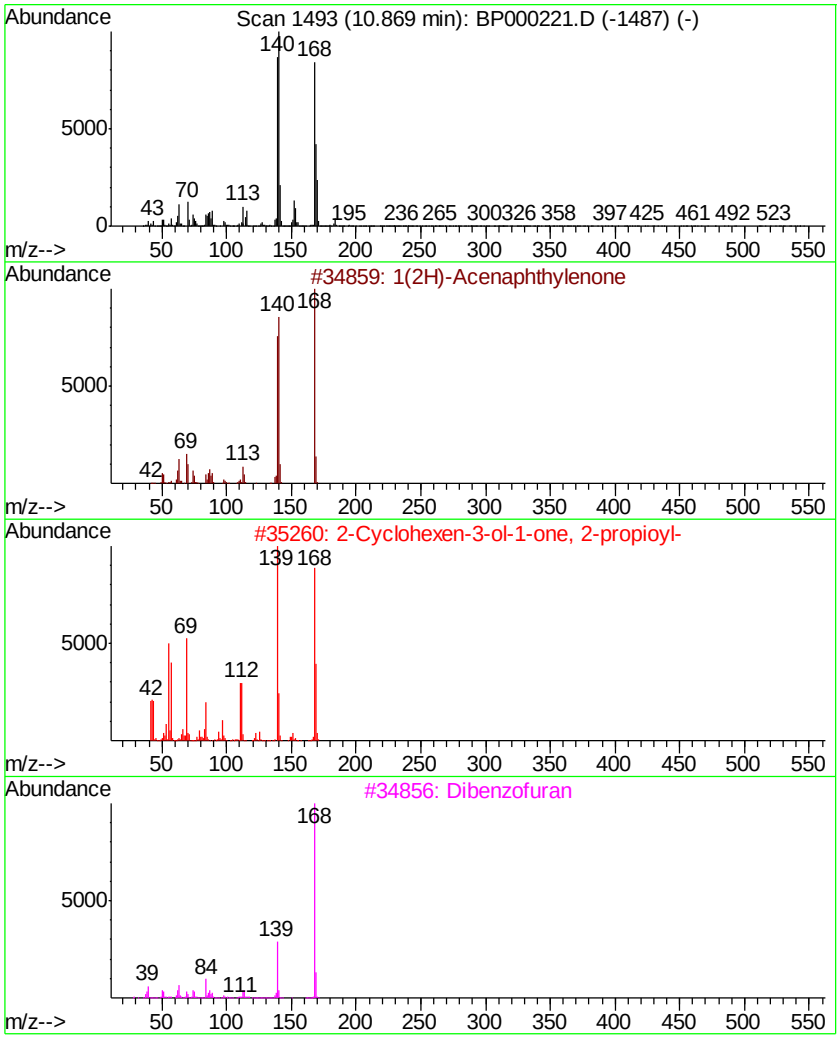
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

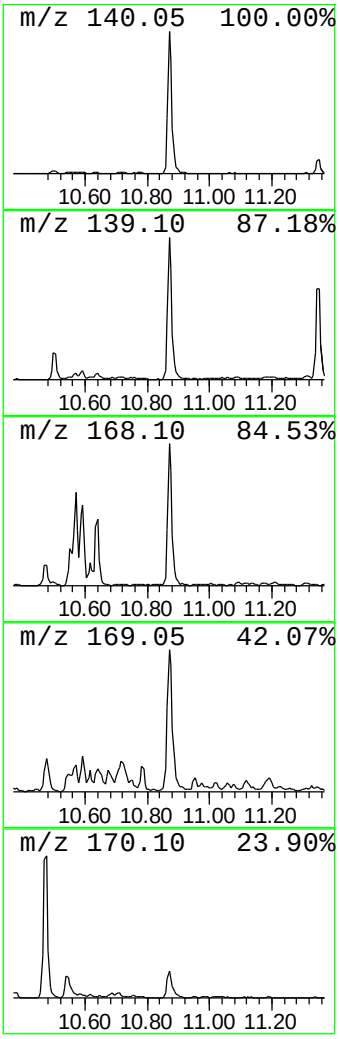
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	3.05 ng/ul	511827	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	47
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	43
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

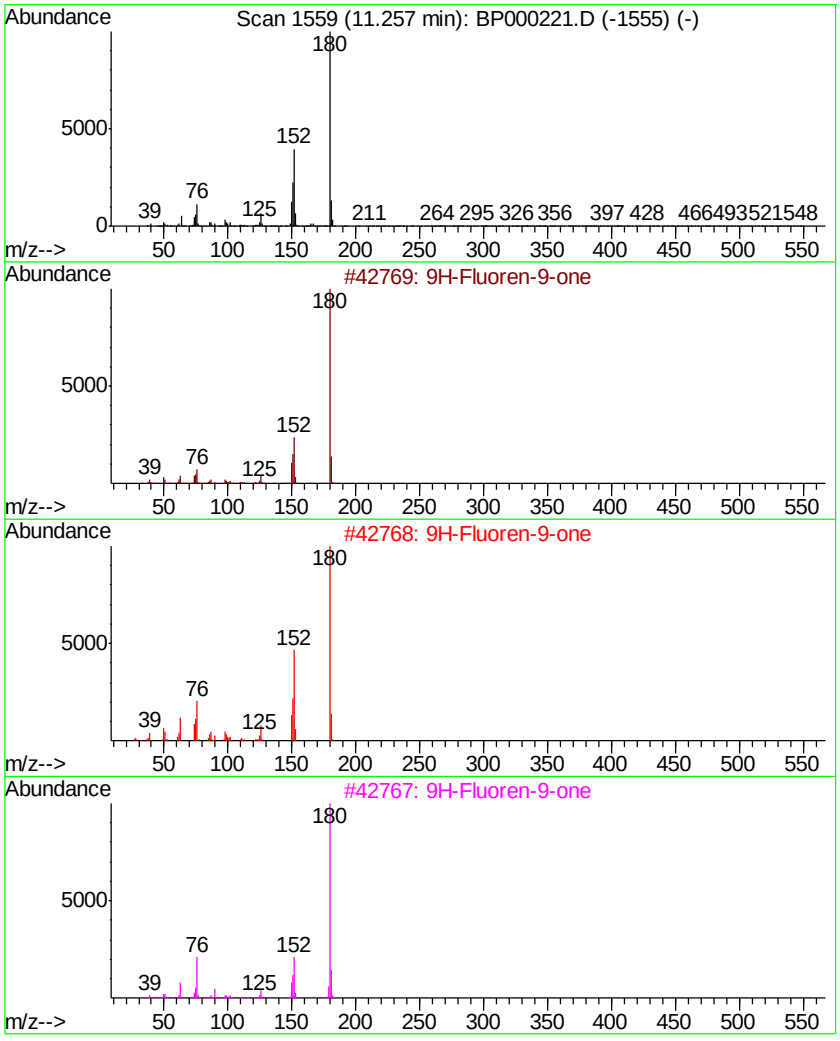
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

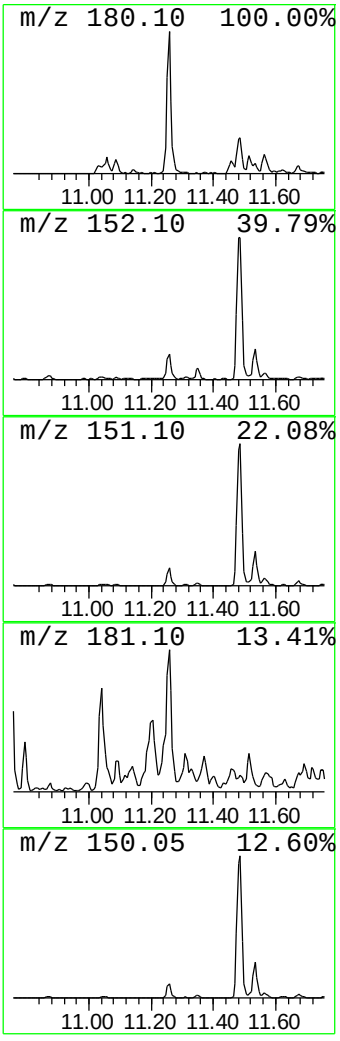
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.57 ng/ul	431587	Phenanthrene-d10	11.46

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	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

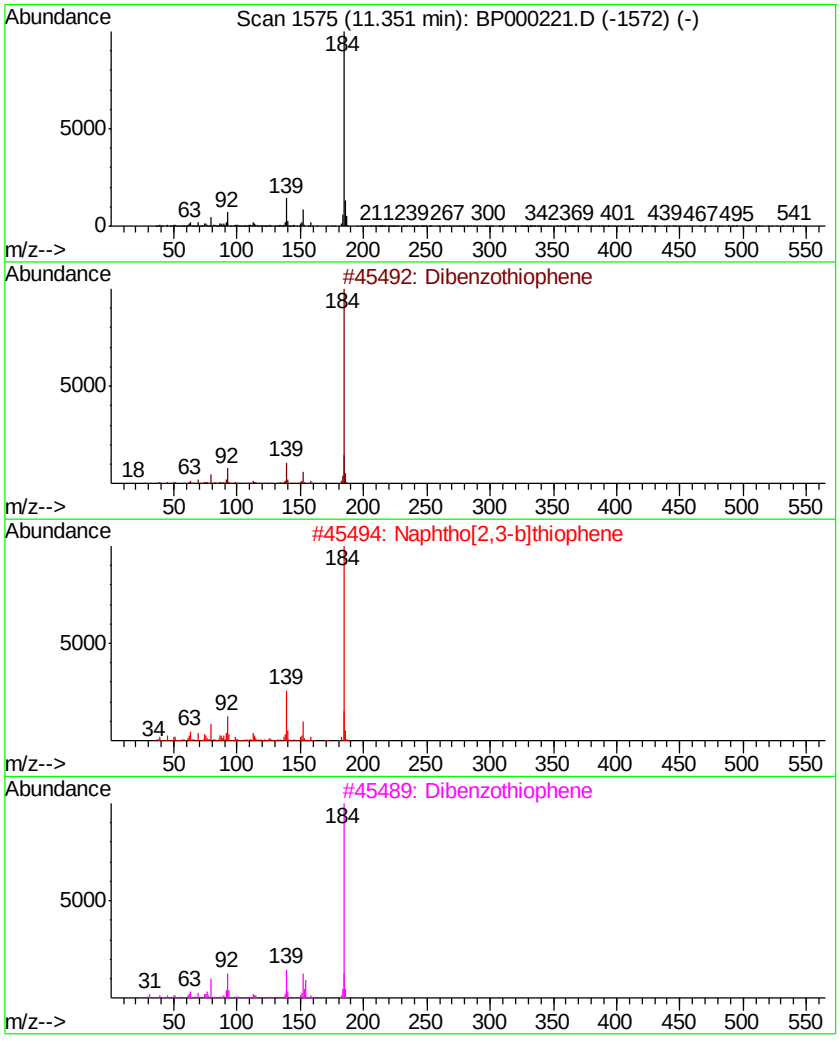
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

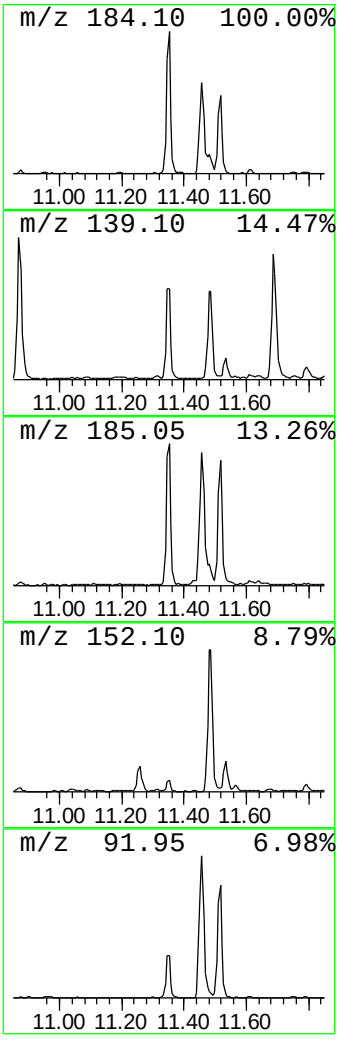
****

Peak Number 4 Dibenzothiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	3.66 ng/ul	613422	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	86
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

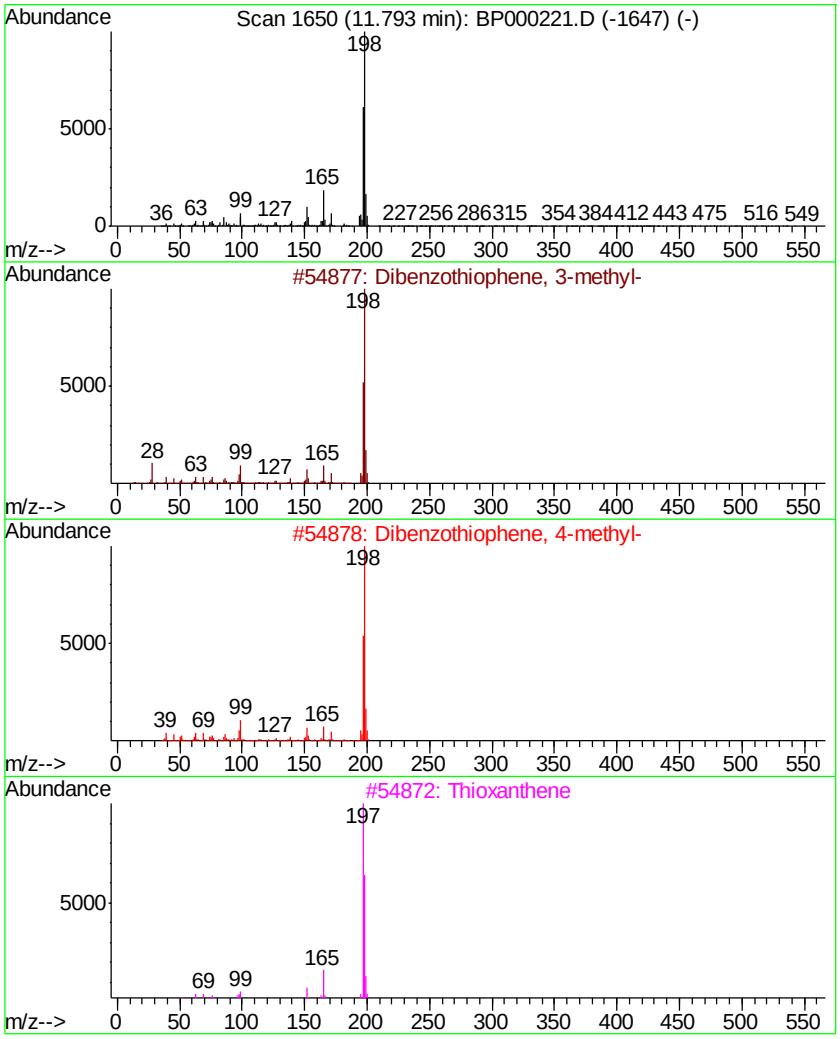
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

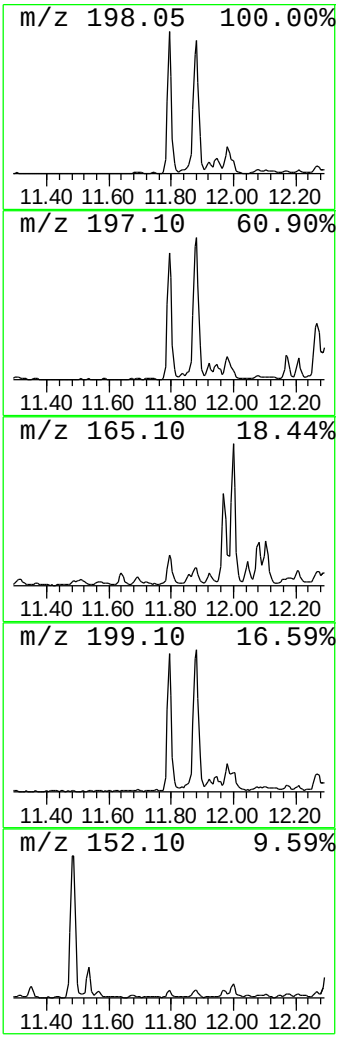
****

Peak Number 5 Dibenzothiophene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.56 ng/ul	597385	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Thioxanthene	198	C13H10S	000261-31-4	86
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

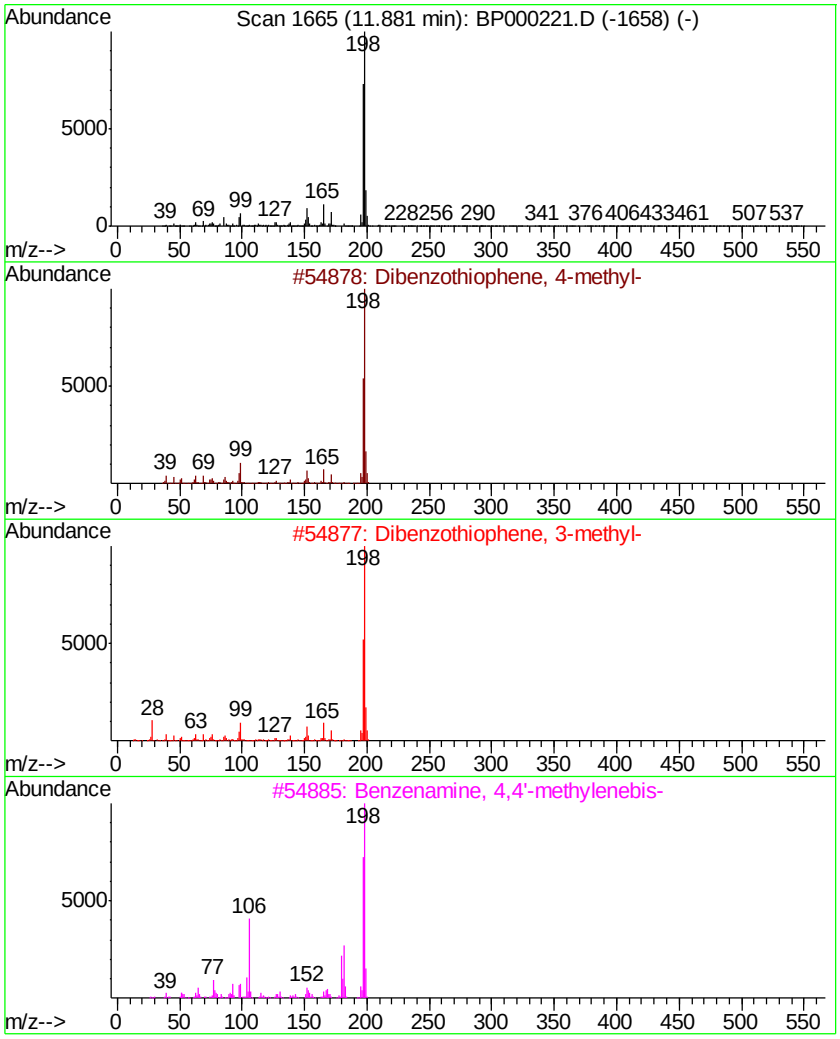
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

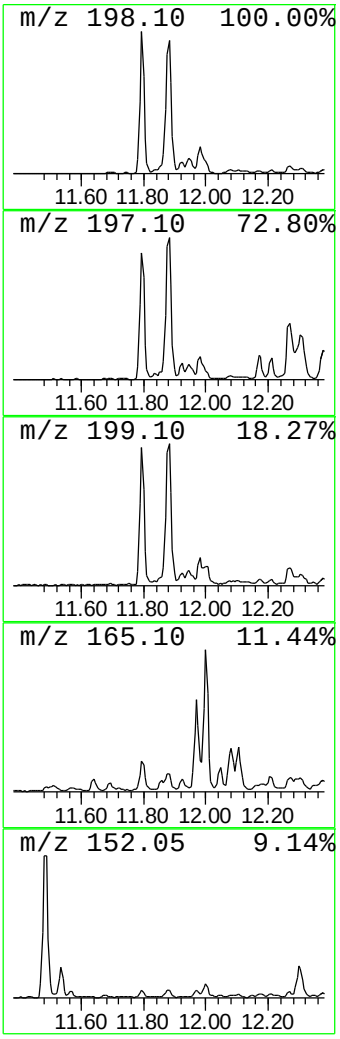
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.37 ng/ul	733162	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

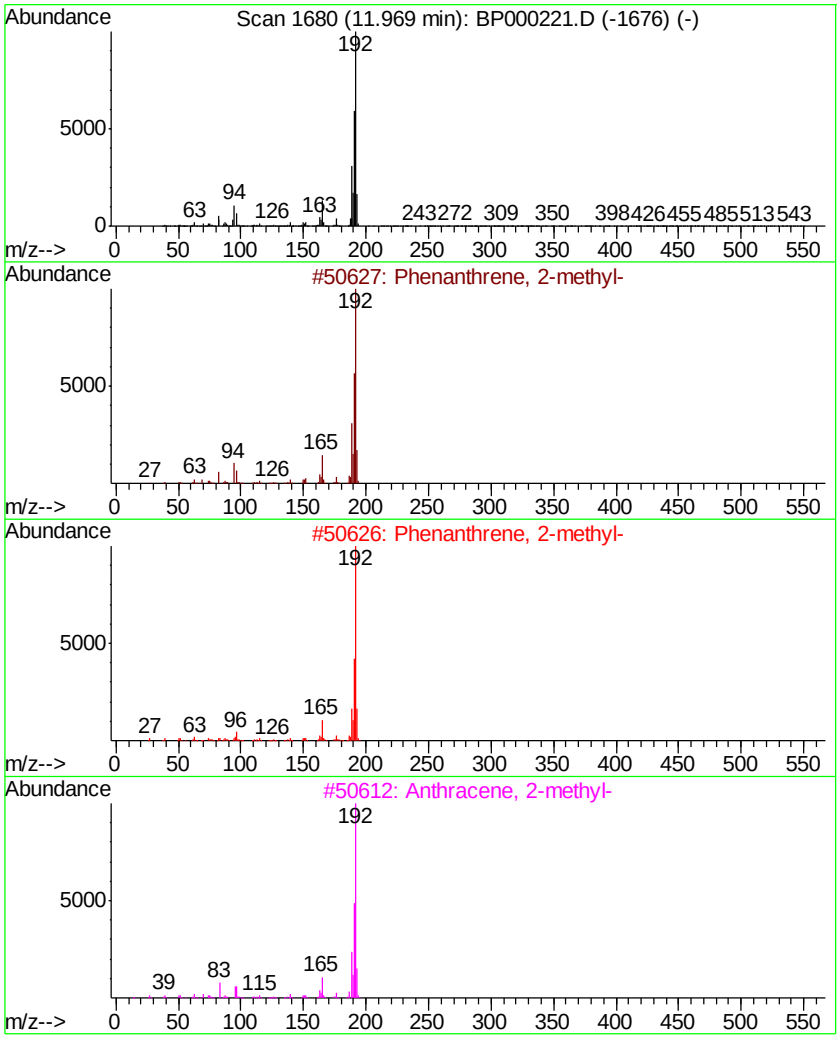
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

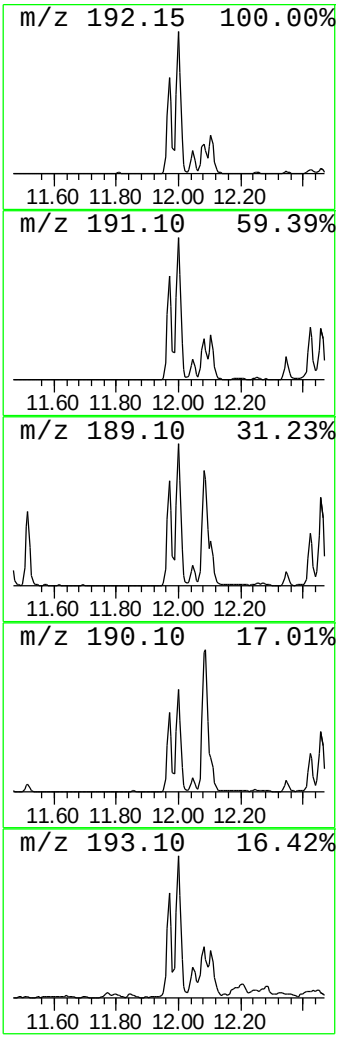
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	14.71 ng/ul	2465960	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

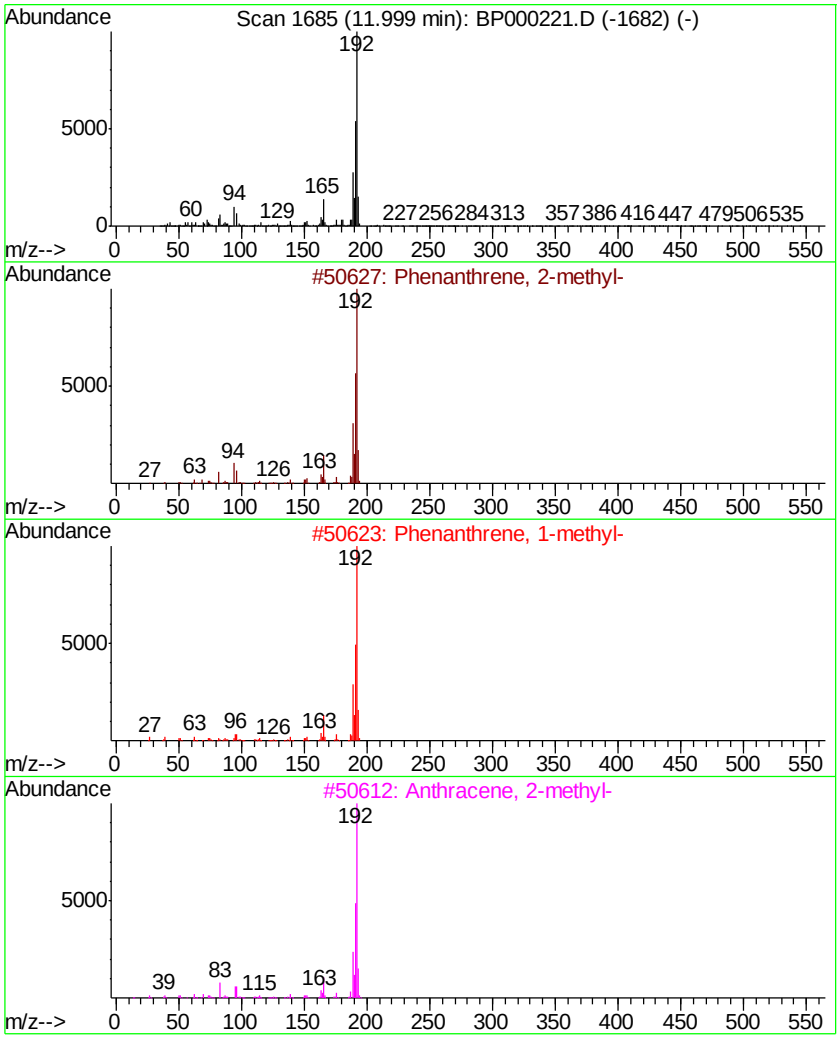
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

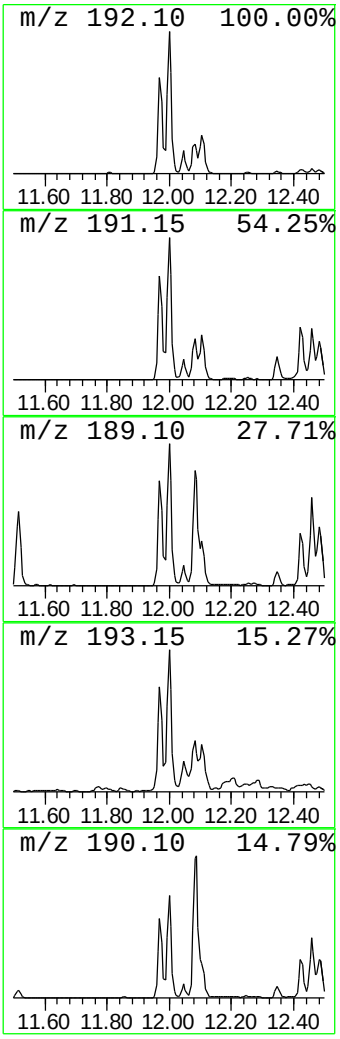
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	22.91 ng/ul	3840910	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, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

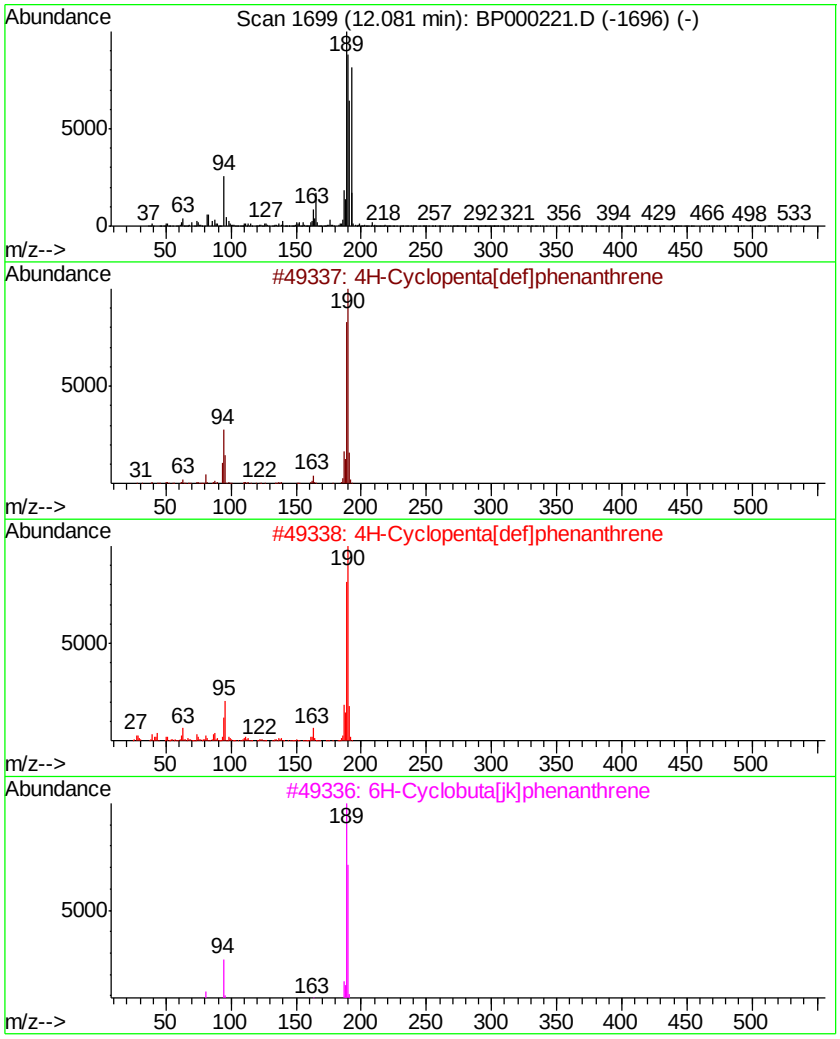
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

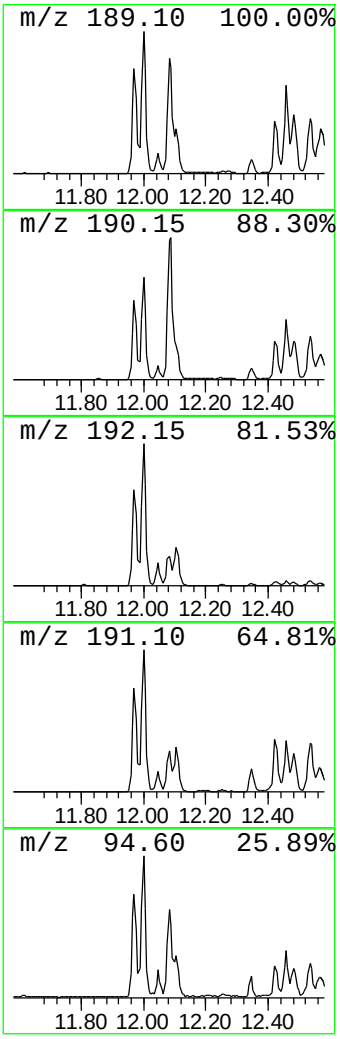
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	9.24 ng/ul	1548790	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

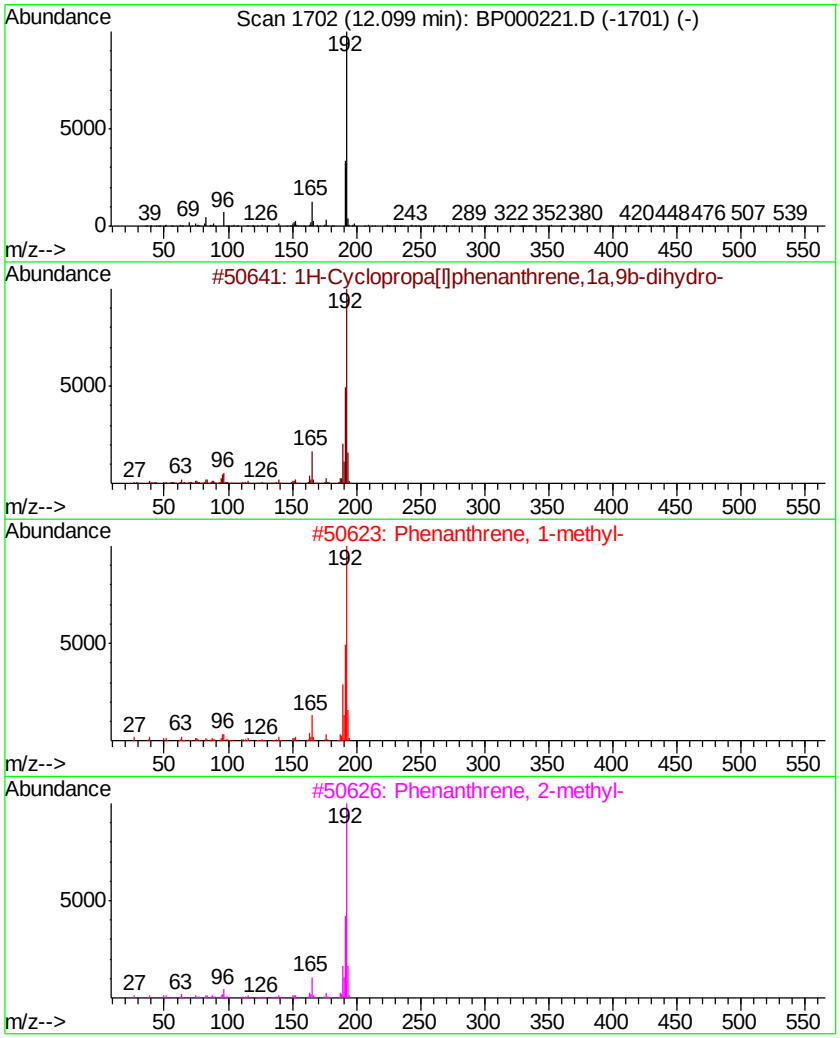
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

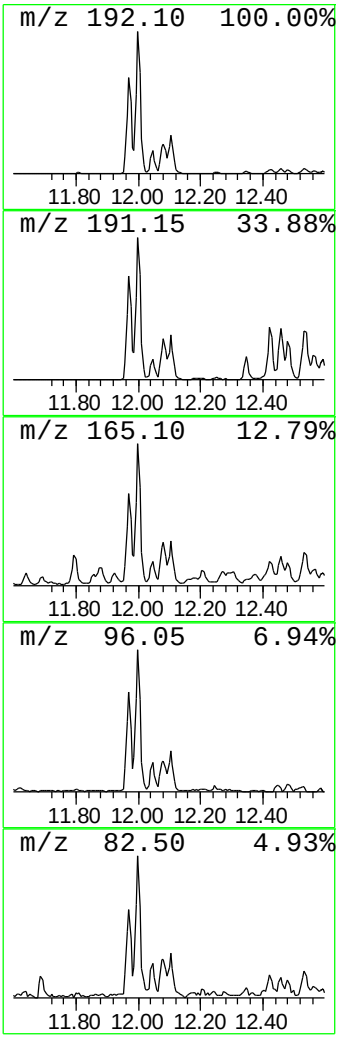
****

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	6.19 ng/ul	1037370	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

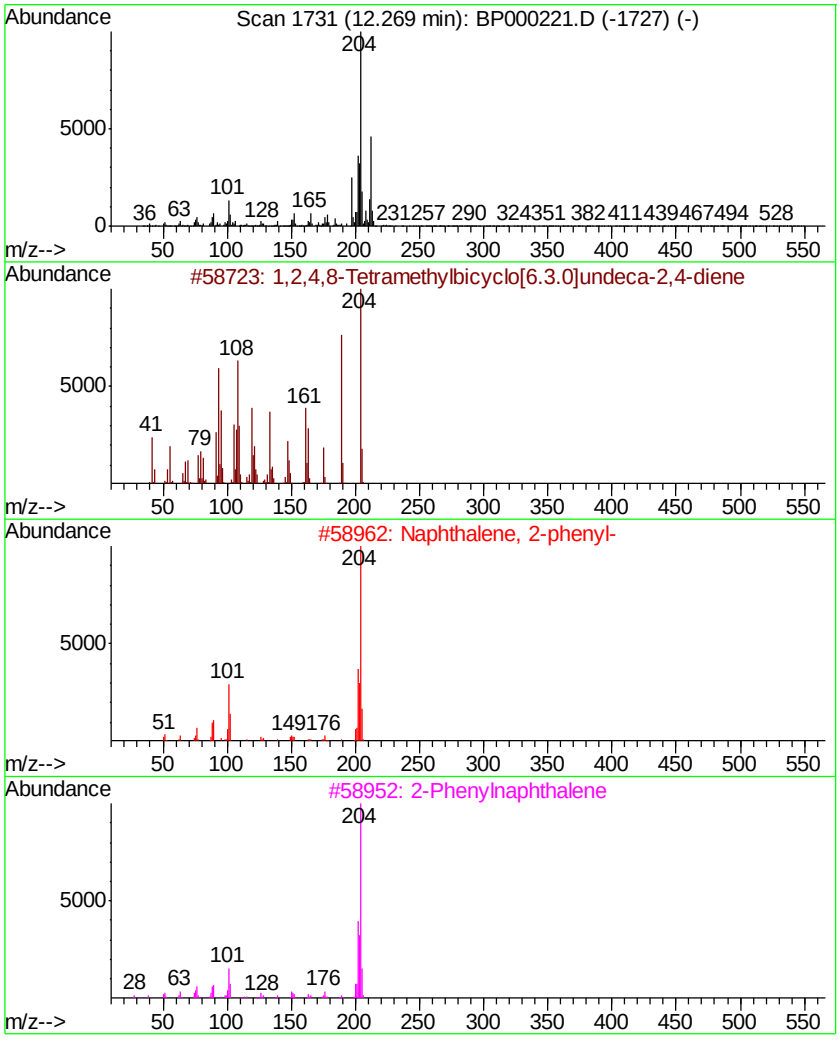
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

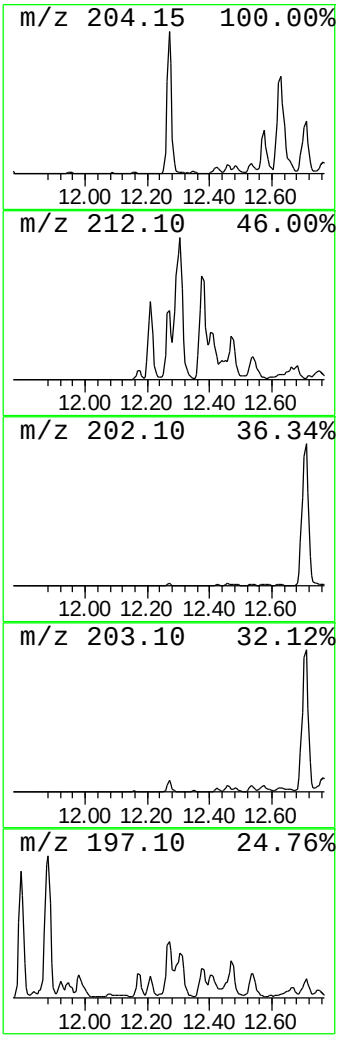
****

Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.34 ng/ul	895694	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

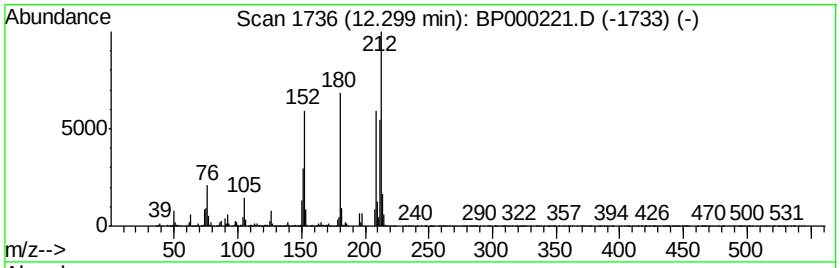
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

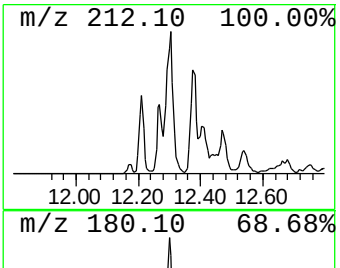
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.24 ng/ul	1380960	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	47
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

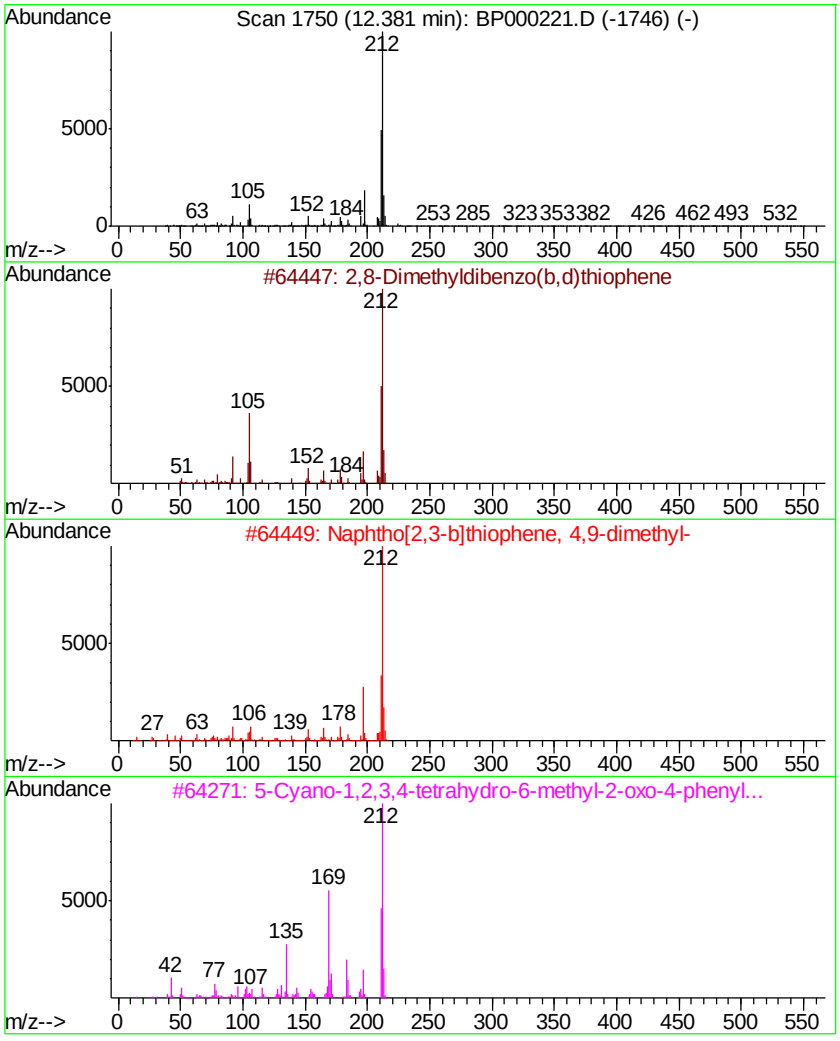
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

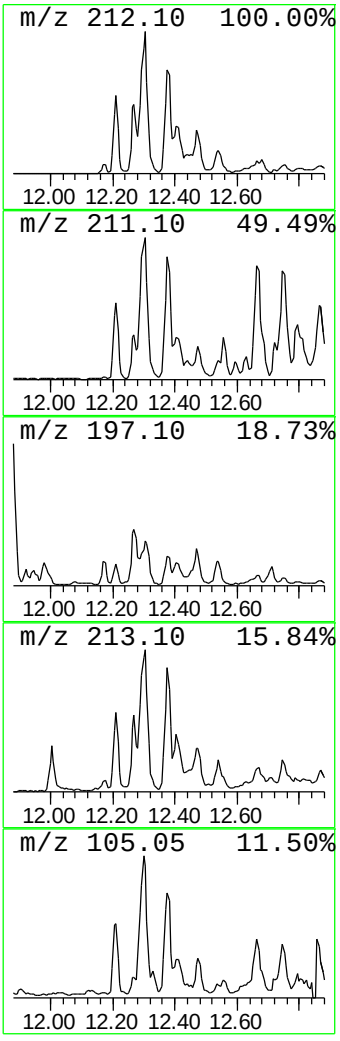
****

Peak Number 15 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.15 ng/ul	360444	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	93
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	87
3	5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	80
4	Harmine	212	C13H12N2O	000442-51-3	50
5	2,5-Dimethoxy-4-(methylthio)-ben...	212	C10H12O3S	061638-04-8	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

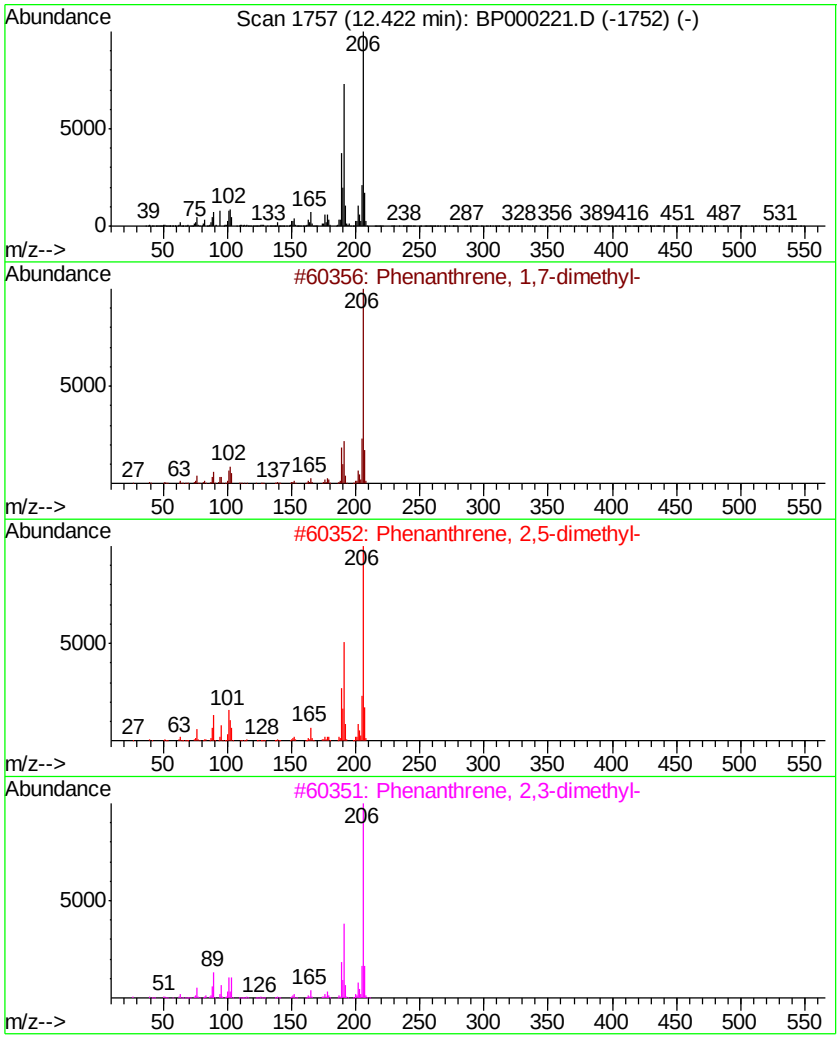
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

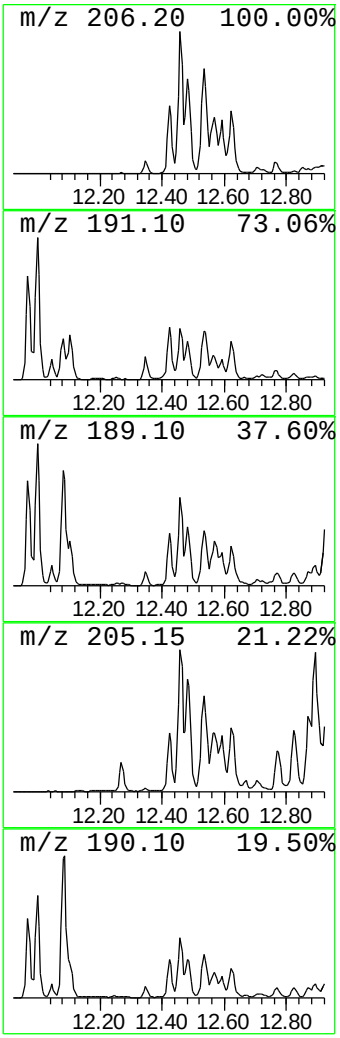
****

Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	9.10 ng/ul	1525210	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

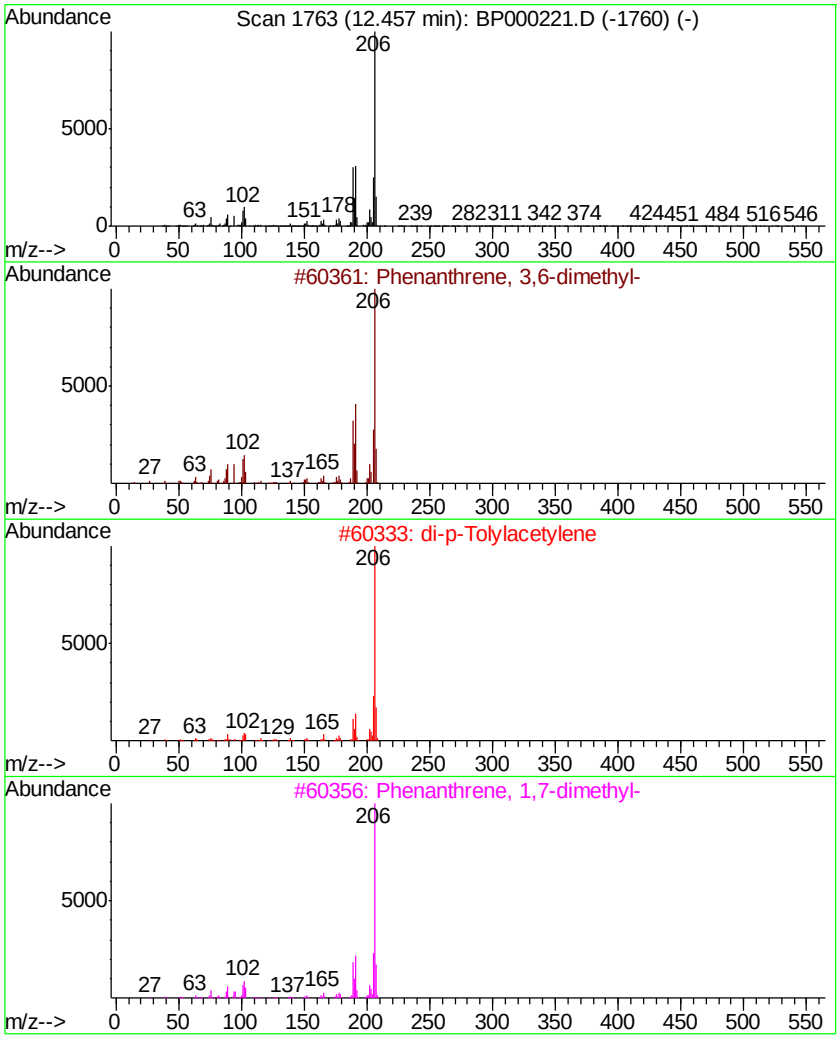
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

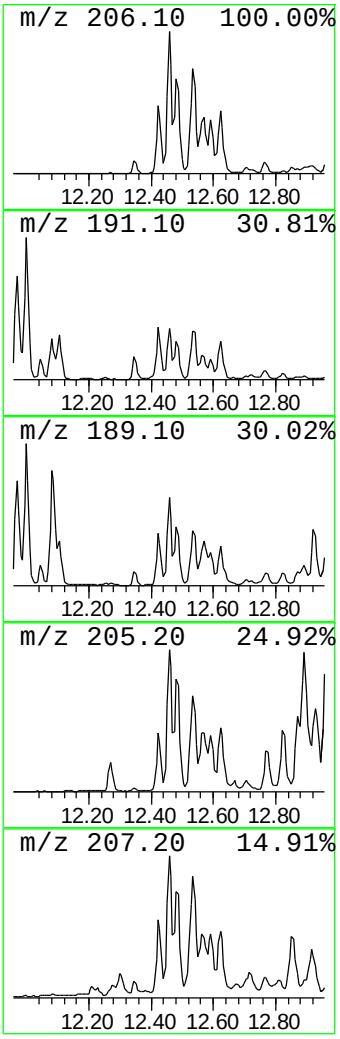
****

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	11.65 ng/ul	1953290	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

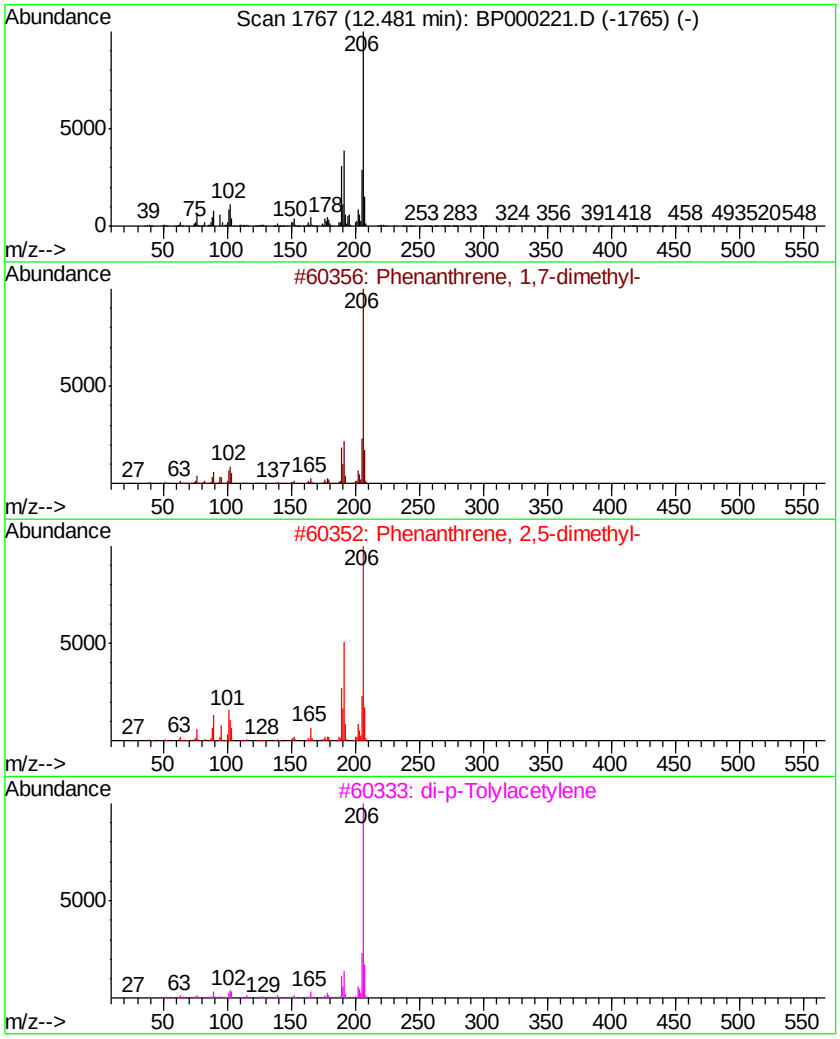
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

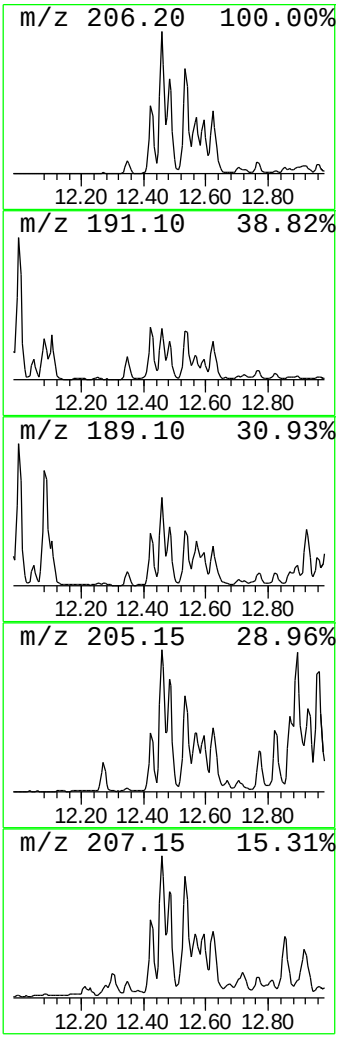
****

Peak Number 18 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	10.15 ng/ul	1702310	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

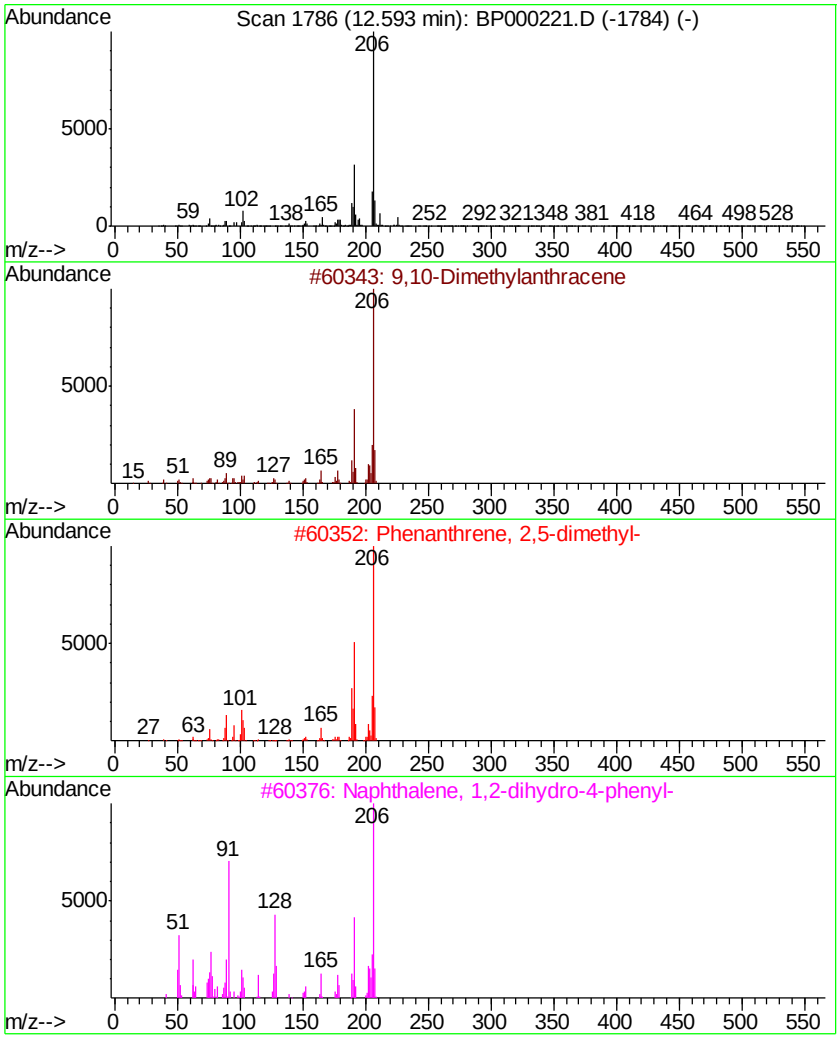
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

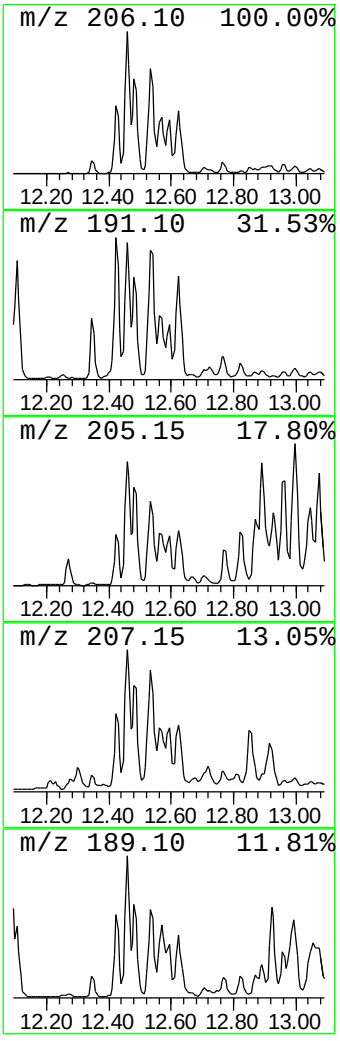
****

Peak Number 21 9,10-Dimethylanthracene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.89 ng/ul	485275	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

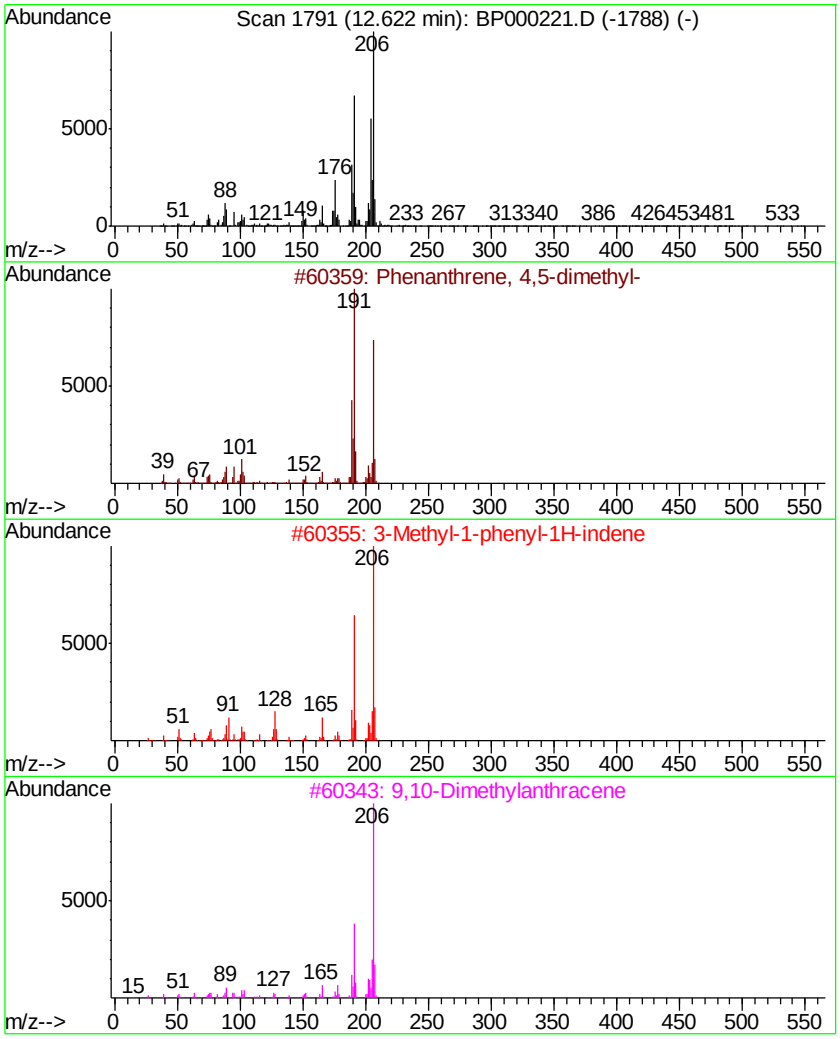
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

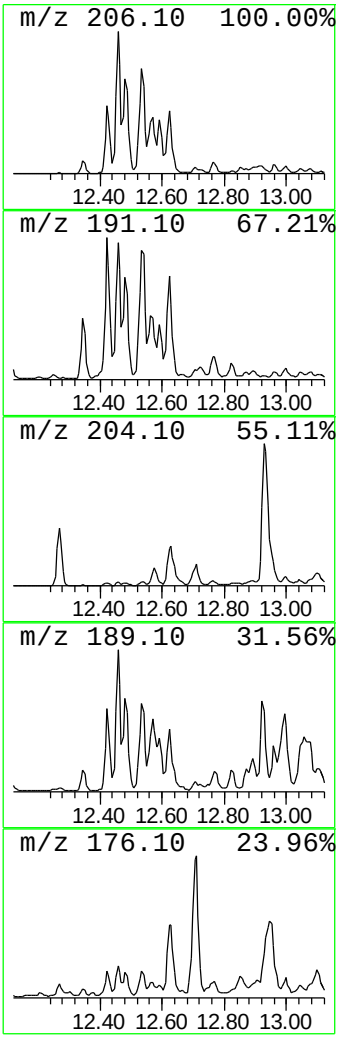
****

Peak Number 22 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	8.54 ng/ul	1432870	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

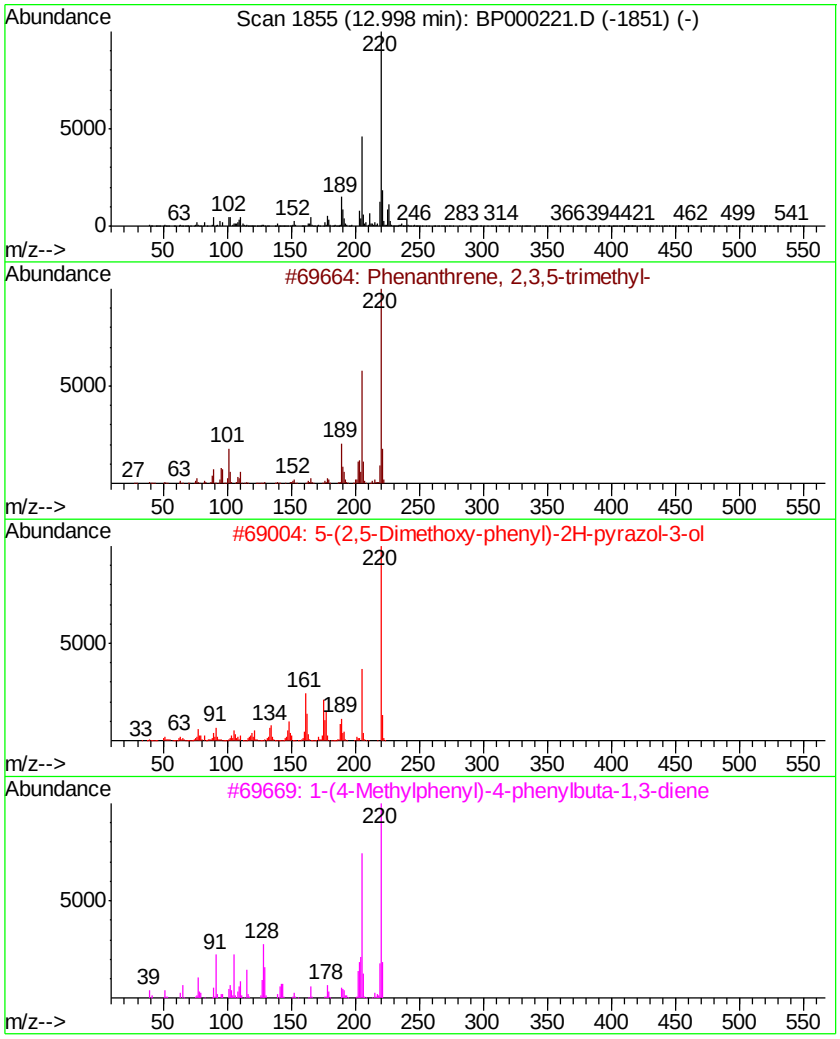
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

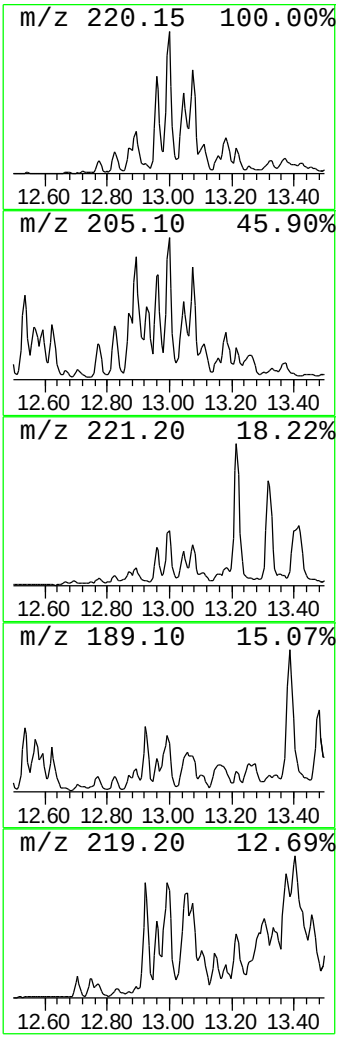
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.73 ng/ul	2005900	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	87
2	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	72
3	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	72
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	59
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

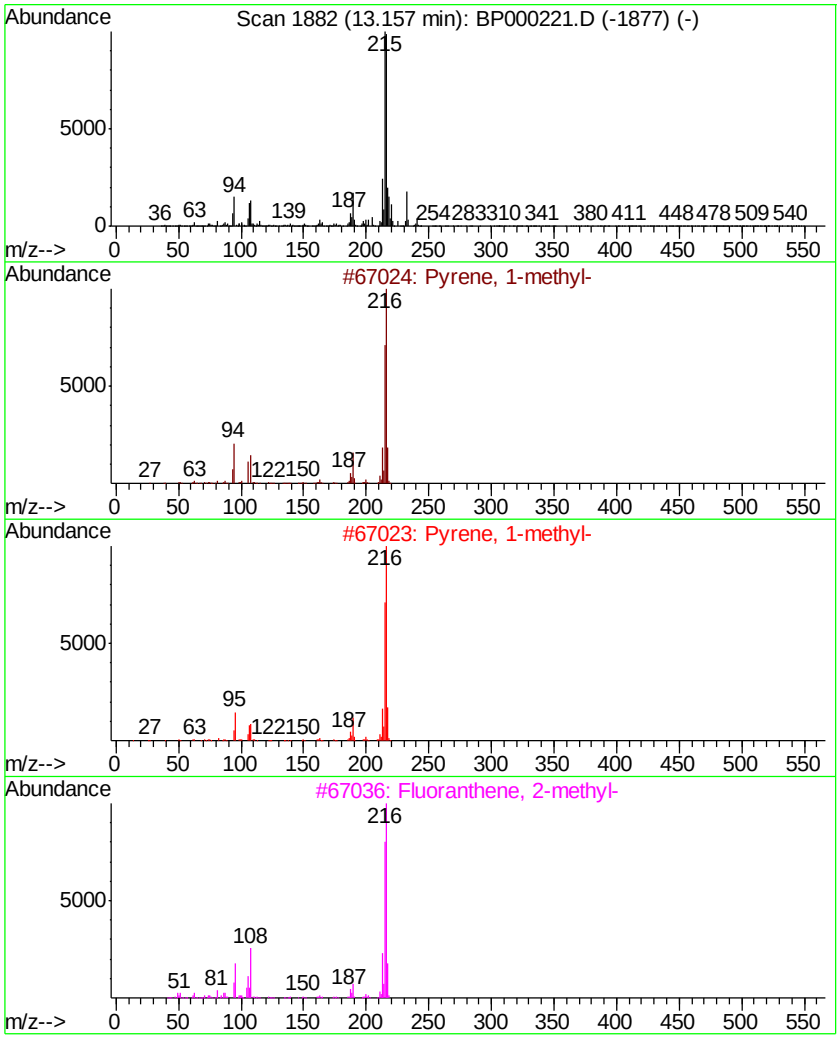
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

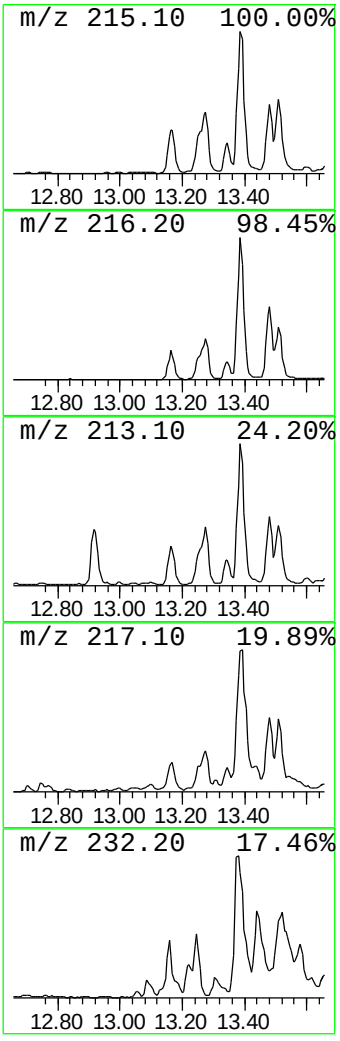
****

Peak Number 24 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.20 ng/ul	3090400	Chrysene-d12	14.19

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	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

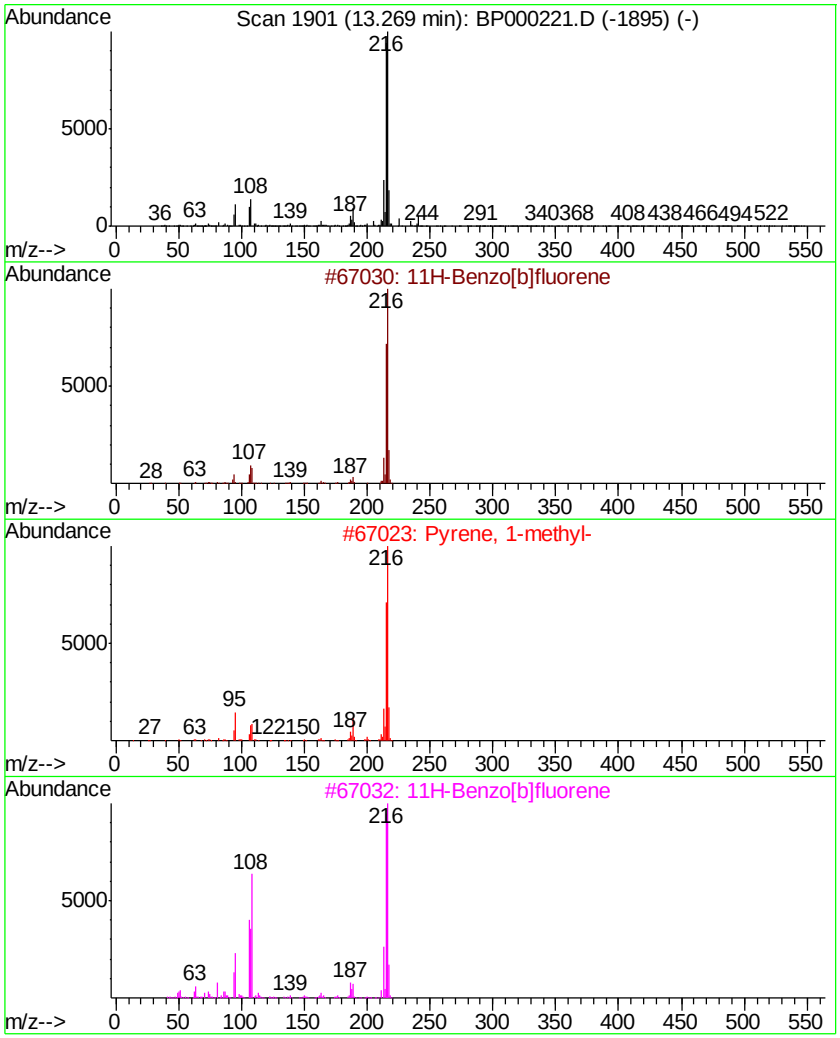
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

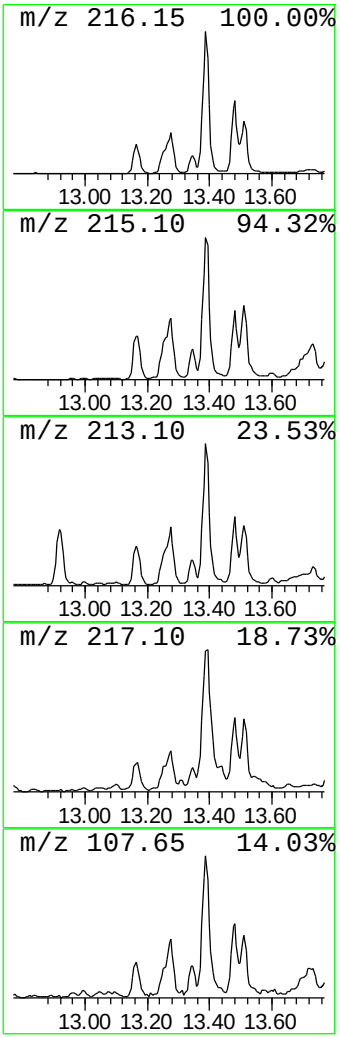
****

Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.39 ng/ul	3224340	Chrysene-d12	14.19

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

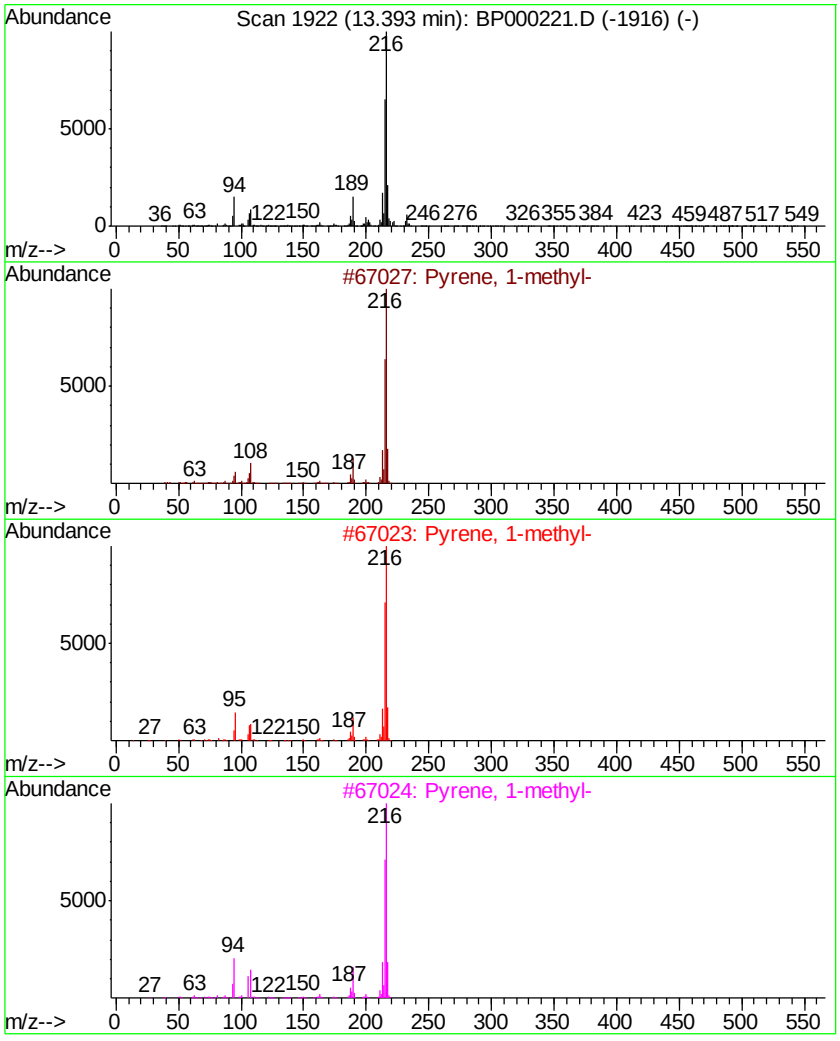
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

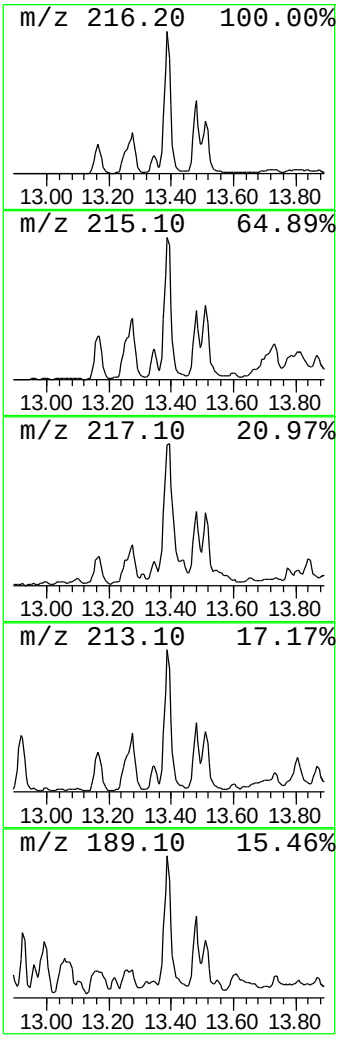
****

Peak Number 26 Pyrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	14.00 ng/ul	10290800	Chrysene-d12	14.19

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	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

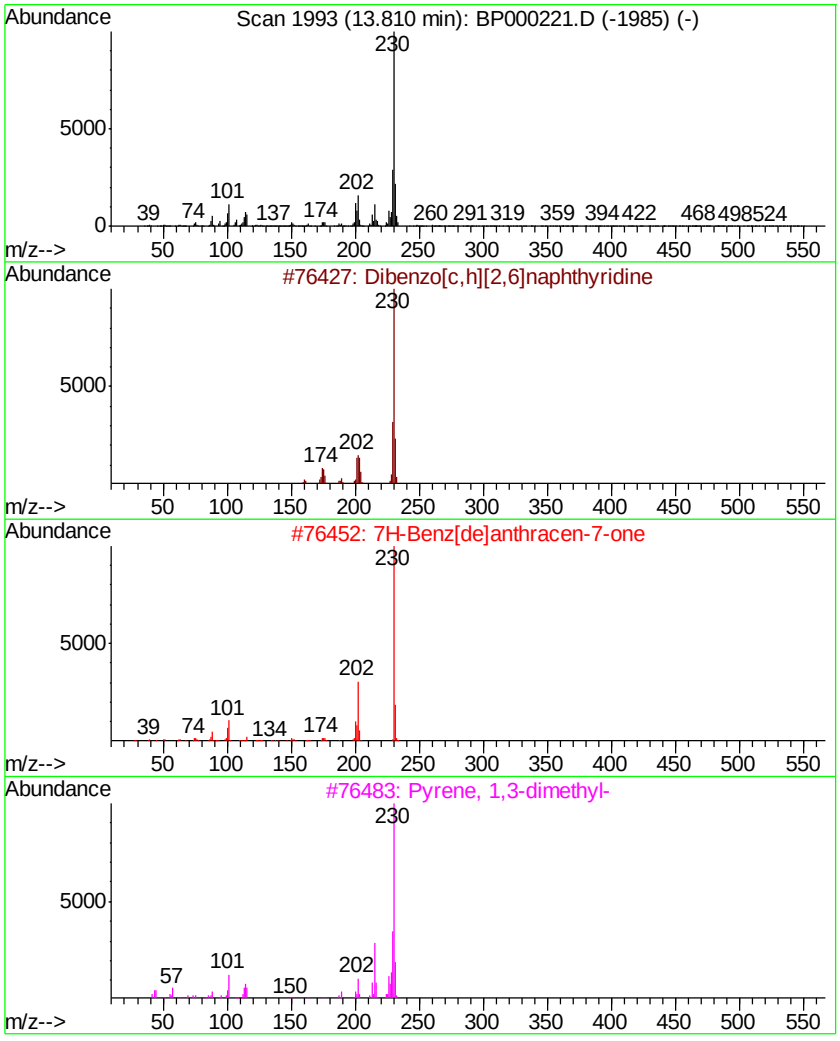
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

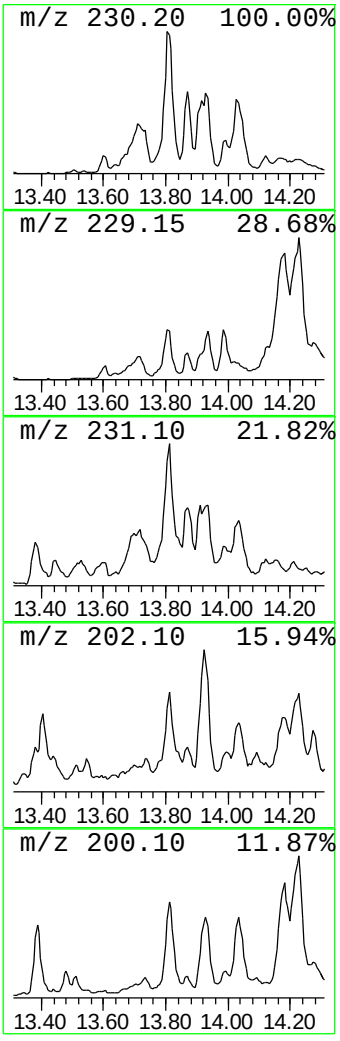
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Dibenzo[c,h][2,6]naphthyridine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	6.96 ng/ul	5115170	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	87
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	72
4	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	64
5	p-Terphenyl	230	C18H14	000092-94-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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

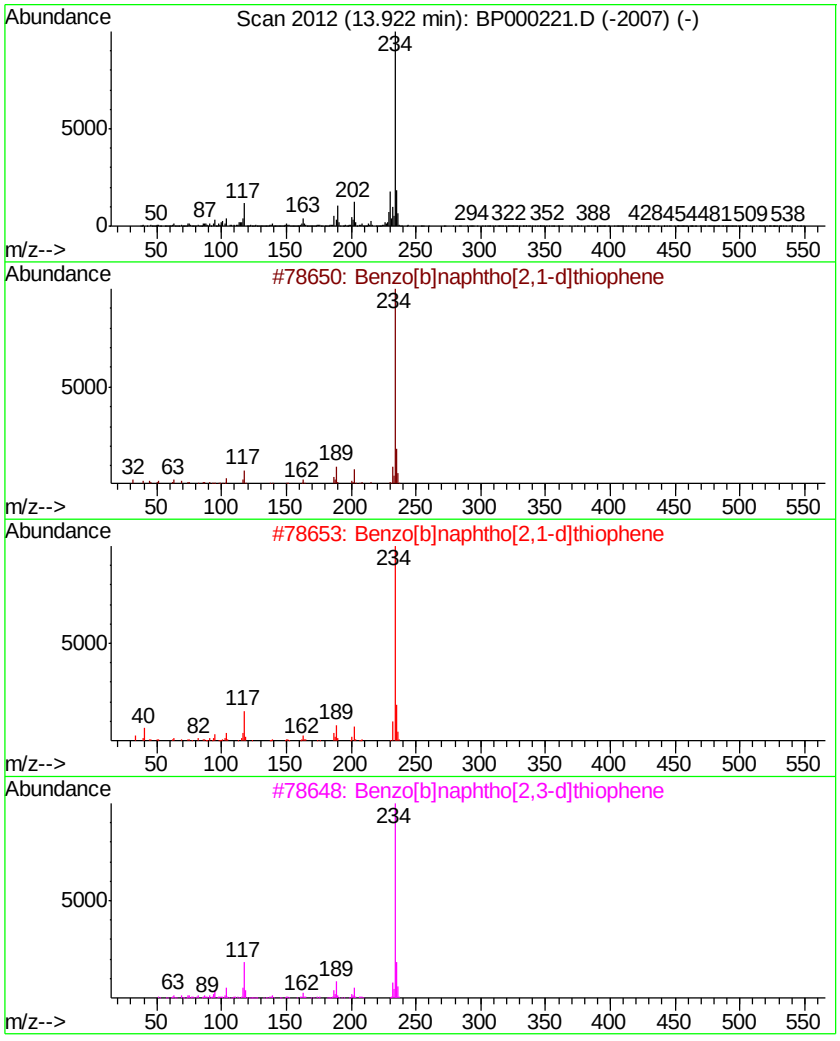
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

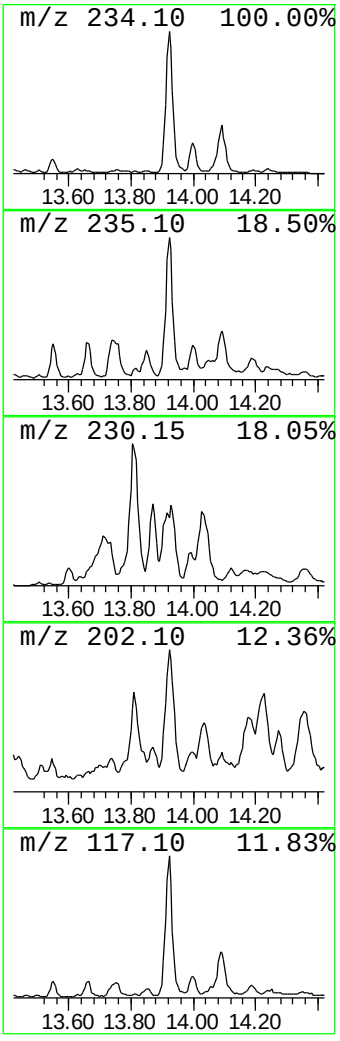
****

Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	12.66 ng/ul	9311550	Chrysene-d12	14.19

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	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

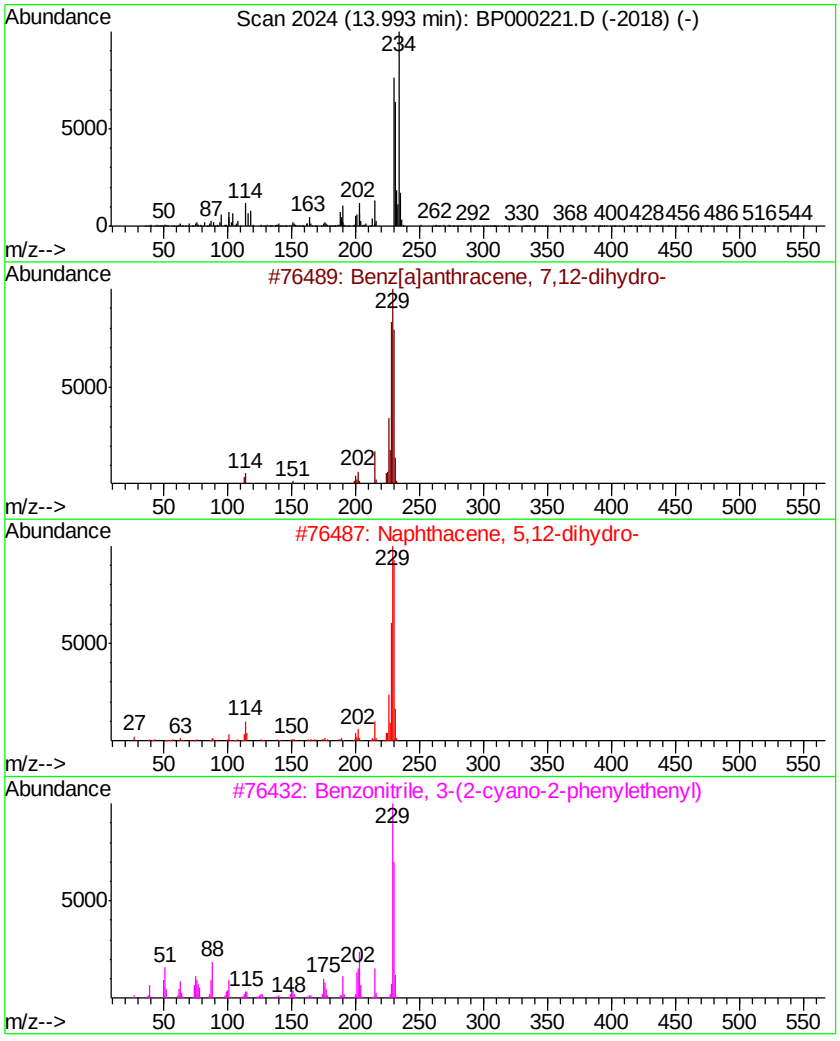
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

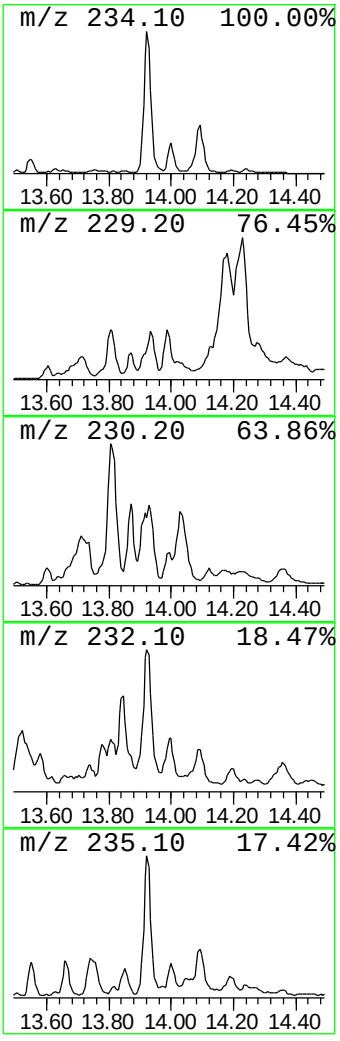
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benz[a]anthracene, 7,12-dih... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	2.28 ng/ul	1673950	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dihydro-	230	C18H14	016434-59-6	60
2	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	53
3	Benzonitrile, 3-(2-cyano-2-phenv...	230	C16H10N2	147728-29-8	46
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	42
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
Data File : BP000221.D
Acq On : 12 Sep 2019 18:07
Operator : HP/JU
Sample : K4634-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D39

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	126.5	ng/ul	12270600	1	6.89	1939800	20.0
1(2H)-Acenaphthyl...	10.87	3.0	ng/ul	511827	4	11.46	3353720	20.0
9H-Fluoren-9-one	11.26	2.6	ng/ul	431587	4	11.46	3353720	20.0
Dibenzothiophene	11.35	3.7	ng/ul	613422	4	11.46	3353720	20.0
Dibenzothiophene,...	11.79	3.6	ng/ul	597385	4	11.46	3353720	20.0
Dibenzothiophene,...	11.88	4.4	ng/ul	733162	4	11.46	3353720	20.0
Phenanthrene, 2-m...	11.97	14.7	ng/ul	2465960	4	11.46	3353720	20.0
Phenanthrene, 1-m...	12.00	22.9	ng/ul	3840910	4	11.46	3353720	20.0
4H-Cyclopenta[def...	12.08	9.2	ng/ul	1548790	4	11.46	3353720	20.0
1H-Cyclopropa[l]p...	12.10	6.2	ng/ul	1037370	4	11.46	3353720	20.0
1,2,4,8-Tetrameth...	12.27	5.3	ng/ul	895694	4	11.46	3353720	20.0
9,10-Anthracenedione	12.30	8.2	ng/ul	1380960	4	11.46	3353720	20.0
2,8-Dimethyldiben...	12.38	2.1	ng/ul	360444	4	11.46	3353720	20.0
Phenanthrene, 1,7...	12.42	9.1	ng/ul	1525210	4	11.46	3353720	20.0
Phenanthrene, 3,6...	12.46	11.7	ng/ul	1953290	4	11.46	3353720	20.0
di-p-Tolylacetylene	12.48	10.2	ng/ul	1702310	4	11.46	3353720	20.0
9,10-Dimethylanth...	12.59	2.9	ng/ul	485275	4	11.46	3353720	20.0
Phenanthrene, 4,5...	12.62	8.5	ng/ul	1432870	4	11.46	3353720	20.0
Phenanthrene, 2,3...	13.00	2.7	ng/ul	2005900	5	14.19	14704800	20.0
Pyrene, 1-methyl-	13.16	4.2	ng/ul	3090400	5	14.19	14704800	20.0
11H-Benzo[b]fluorene	13.27	4.4	ng/ul	3224340	5	14.19	14704800	20.0
Pyrene, 4-methyl-	13.39	14.0	ng/ul	10290800	5	14.19	14704800	20.0
Dibenzo[c,h][2,6]...	13.81	7.0	ng/ul	5115170	5	14.19	14704800	20.0
Benzo[b]naphtho[2...	13.92	12.7	ng/ul	9311550	5	14.19	14704800	20.0
Benz[a]anthracene...	13.99	2.3	ng/ul	1673950	5	14.19	14704800	20.0