LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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	2.175	7	15	19	rBV	12112393	21624527	100.00%	8.917%
2	3.769	281	286	295	rVB	282278	382266	1.77%	0.158%
3	6.510	748	752	759	rBV2	1891979	1899019	8.78%	0.783%
4	6.569	759	762	766	rBV	1421161	1277590	5.91%	0.527%
5	6.657	773	777	781	rBV	2047671	1667637	7.71%	0.688%
6	6.893	813	817	820	rBV	3322683	2586776	11.96%	1.067%
7	7.257	876	879	882	rBV	2434487	1769275	8.18%	0.730%
8	7.293	882	885	888	rVV	604849	461768	2.14%	0.190%
9	7.446	907	911	914	rVV	1919302	1494062	6.91%	0.616%
10	7.775	963	967	970	rBV	1495881	1188119	5.49%	0.490%
11	8.016	1004	1008	1011	rBV	2517788	1980192	9.16%	0.817%
12	8.175	1032	1035	1038	rBV	4092515	3591958	16.61%	1.481%
13	8.228	1042	1044	1056	rVB	853450	820992	3.80%	0.339%
14	9.628	1279	1282	1285	rVV	3105689	2738931	12.67%	1.129%
15	9.651	1285	1286	1291	rVB	1002144	633992	2.93%	0.261%
16	9.787	1306	1309	1317	rBV	4008376	3469945	16.05%	1.431%
17	9.945	1332	1336	1339	rVV	5164587	4131699	19.11%	1.704%
18	9.975	1339	1341	1345	rVV	2023176	1699641	7.86%	0.701%
19	10.028	1347	1350	1359	rVV	865882	813273	3.76%	0.335%
20	10.145	1367	1370	1374	rVV2	620682	597263	2.76%	0.246%
21	10.469	1421	1425	1428	rBV	4668330	3832768	17.72%	1.580%
22	10.498	1428	1430	1432	rVV	829784	626336	2.90%	0.258%
23	10.528	1432	1435	1437	rVV	476382	440010	2.03%	0.181%
24	10.863	1486	1492	1496	rBV2	406901	400775	1.85%	0.165%
25	11.310	1562	1568	1571	rBV2	295832	368274	1.70%	0.152%
26	11.339	1571	1573	1577	rVB	452948	383256	1.77%	0.158%
27	11.451	1587	1592	1594	rBV	4165575	4413020	20.41%	1.820%
28	11.475	1594	1596	1599	rVV	8324639	6755036	31.24%	2.785%
29	11.504	1599	1601	1603	rVV	3975493	3658385	16.92%	1.509%
30	11.522	1603	1604	1607	rVV	1579342	1183797	5.47%	0.488%
31	11.675	1624	1630	1634	rBV2	1254909	1238630	5.73%	0.511%
32	11.957	1675	1678	1680	rBV	955154	785202	3.63%	0.324%
33	11.986	1680	1683	1688	rVV2	1709838	1856993	8.59%	0.766%
34	12.075	1694	1698	1700	rBV	1457526	1533070	7.09%	0.632%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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	12.092	1700	1701	1705	rVB	530926	369659	1.71%	0.152%
36	12.257	1726	1729	1731	rBV	668639	579744	2.68%	0.239%
37	12.281	1731	1733	1737	rVB3	716666	618139	2.86%	0.255%
38	12.410	1750	1755	1758	rBV3	375848	399371	1.85%	0.165%
39	12.522	1770	1774	1777	rBV	539795	556558	2.57%	0.229%
40	12.604	1785	1788	1793	rBV2	499262	564430	2.61%	0.233%
41	12.686	1797	1802	1806	rVB	11169038	12061668	55.78%	4.974%
42	12.739	1806	1811	1816	rVB3	211228	363552	1.68%	0.150%
43	12.833	1825	1827	1832	rVB	443746	520516	2.41%	0.215%
44	12.922	1834	1842	1847	rBV3	10381622	16452661	76.08%	6.784%
45	12.963	1847	1849	1855	rVB2	492866	664035	3.07%	0.274%
46	13.039	1856	1862	1864	rBV	767009	811278	3.75%	0.335%
47	13.075	1864	1868	1873	rVB	597803	749855	3.47%	0.309%
48	13.139	1873	1879	1882	rBV2	759925	1308516	6.05%	0.540%
49	13.228	1891	1894	1895	rVV2	576836	555537	2.57%	0.229%
50	13.251	1895	1898	1901	rVB	2347335	2281882	10.55%	0.941%
51	13.322	1907	1910	1913	rBV	1717289	1475756	6.82%	0.609%
52	13.357	1913	1916	1919	rVV	1884747	1860666	8.60%	0.767%
53	13.381	1919	1920	1924	rVB	658360	546955	2.53%	0.226%
54	13.451	1929	1932	1935	rBV	951859	839214	3.88%	0.346%
55	13.480	1935	1937	1941	rBV	889089	882405	4.08%	0.364%
56	13.669	1966	1969	1970	rVV3	498550	581506	2.69%	0.240%
57	13.686	1970	1972	1975	rVV	679635	831495	3.85%	0.343%
58	13.769	1979	1986	1992	rVV3	1051367	1839281	8.51%	0.758%
59	13.886	2000	2006	2009	rBV2	2134041	2774072	12.83%	1.144%
60	13.916	2009	2011	2013	rVV	1119235	1003298	4.64%	0.414%
61	13.939	2013	2015	2016	rVV	980844	864952	4.00%	0.357%
62	13.980	2020	2022	2025	rVV	787396	881637	4.08%	0.364%
63	14.010	2025	2027	2032	rVV2	568984	678865	3.14%	0.280%
64	14.057	2032	2035	2038	rVV	445261	424068	1.96%	0.175%
65	14.145	2042	2050	2053	rBV2	8215543	14567411	67.37%	6.007%
66	14.175	2053	2055	2061	rVB	7338748	7944678	36.74%	3.276%
67	14.233	2062	2065	2066	rBV	594253	524400	2.43%	0.216%
68	14.251	2066	2068	2071	rVB	1244953	1141097	5.28%	0.471%
69	14.286	2071	2074	2075	rBV2	394196	346233	1.60%	0.143%
70	14.310	2076	2078	2080	rVV2	586600	582434	2.69%	0.240%
71	14.339	2080	2083	2085	rVV	791582	876466	4.05%	0.361%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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	14.375	2085	2089	2092	rVV2	1074713	1399221	6.47%	0.577%
73	14.410	2092	2095	2098	rVB3	369996	392623	1.82%	0.162%
74	14.475	2102	2106	2109	rBV3	576027	920382	4.26%	0.380%
75	14.504	2109	2111	2113	rVV	386359	380375	1.76%	0.157%
76	14.545	2113	2118	2121	rVV	2199883	2846807	13.16%	1.174%
77	14.580	2121	2124	2127	rVV	1313300	1399286	6.47%	0.577%
78	14.616	2127	2130	2131	rVV2	390941	411281	1.90%	0.170%
79	14.639	2131	2134	2136	rVV2	893773	972695	4.50%	0.401%
80	14.675	2136	2140	2141	rVV2	1126260	1378298	6.37%	0.568%
81	14.692	2141	2143	2147	rVB3	1137055	1180567	5.46%	0.487%
82	14.869	2168	2173	2175	rBV3	658861	974096	4.50%	0.402%
83	14.898	2175	2178	2185	rVB5	472025	814136	3.76%	0.336%
84	14.957	2185	2188	2191	rBV	578919	596338	2.76%	0.246%
85	14.998	2191	2195	2200	rBV4	684159	1164196	5.38%	0.480%
86	15.069	2204	2207	2211	rVV3	471122	616118	2.85%	0.254%
87	15.251	2230	2238	2248	rBV	6786417	16874864	78.04%	6.958%
88	15.351	2252	2255	2258	rBV	1313581	1492775	6.90%	0.616%
89	15.445	2268	2271	2273	rBV3	299558	393159	1.82%	0.162%
90	15.569	2286	2292	2295	rBV	4167001	6984220	32.30%	2.880%
91	15.598	2295	2297	2299	rVV	1894490	2282827	10.56%	0.941%
92	15.645	2299	2305	2309	rVB	5876901	9565496	44.23%	3.944%
93	15.698	2309	2314	2317	rBV	2209309	3306149	15.29%	1.363%
94	15.733	2317	2320	2327	rVB2	1909396	2731635	12.63%	1.126%
95	16.039	2370	2372	2376	rVV	401015	428596	1.98%	0.177%
96	16.080	2376	2379	2387	rVB2	648805	1165655	5.39%	0.481%
97	17.292	2575	2585	2591	rVB2	3579636	8708726	40.27%	3.591%
98	17.463	2608	2614	2619	rBV	687124	1875212	8.67%	0.773%
99	17.763	2654	2665	2674	rBV	2531403	7008319	32.41%	2.890%
100	17.992	2699	2704	2711	rVB2	778043	1623307	7.51%	0.669%

Sum of corrected areas: 242516126

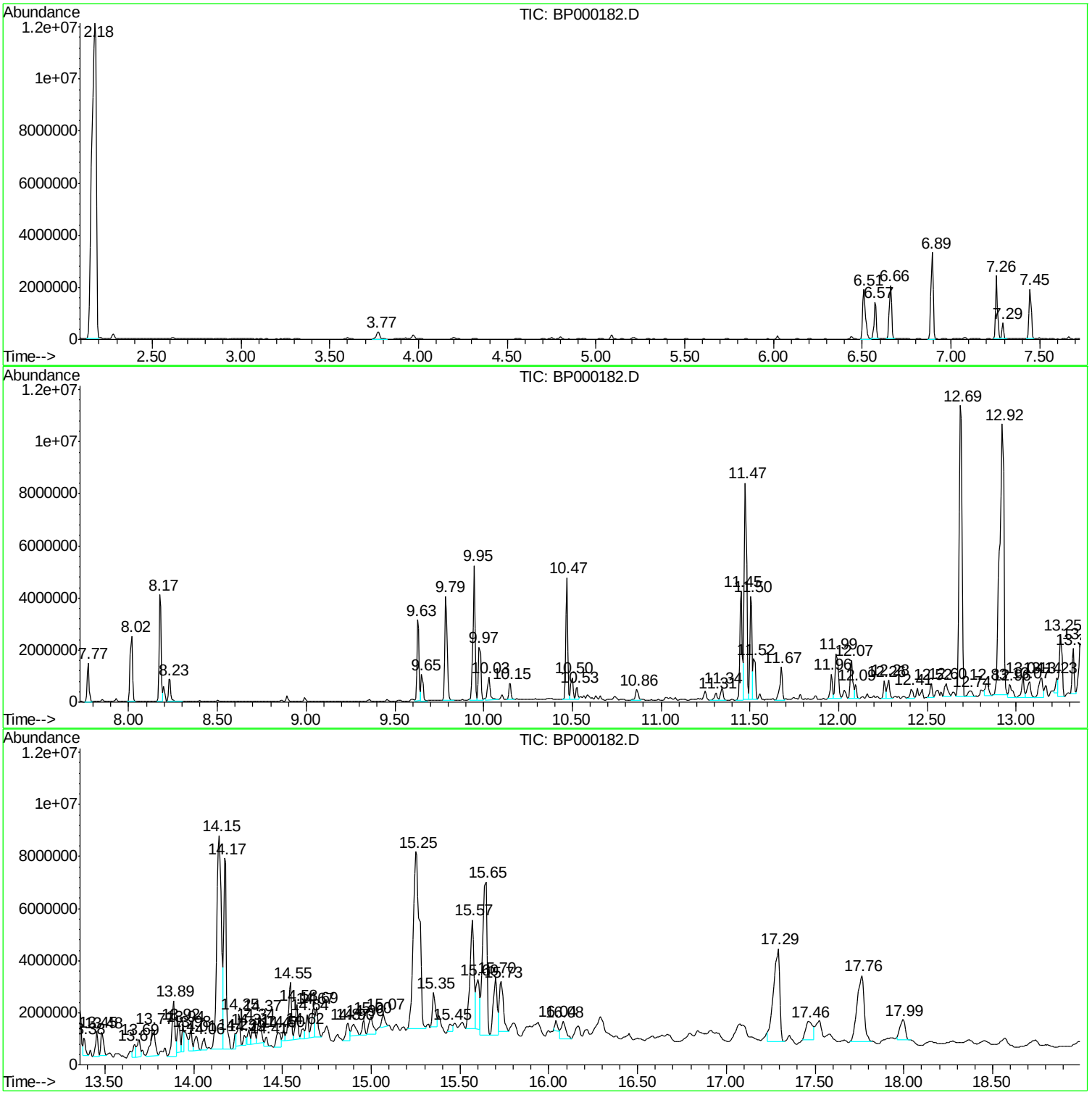
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

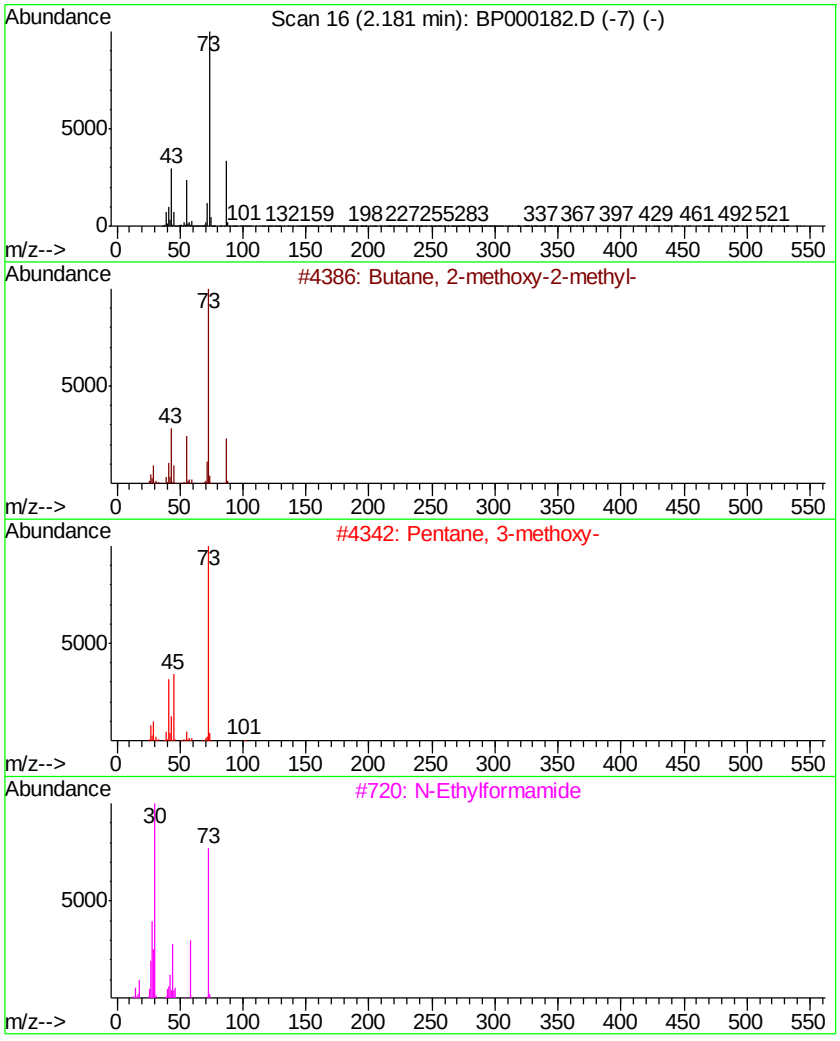
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

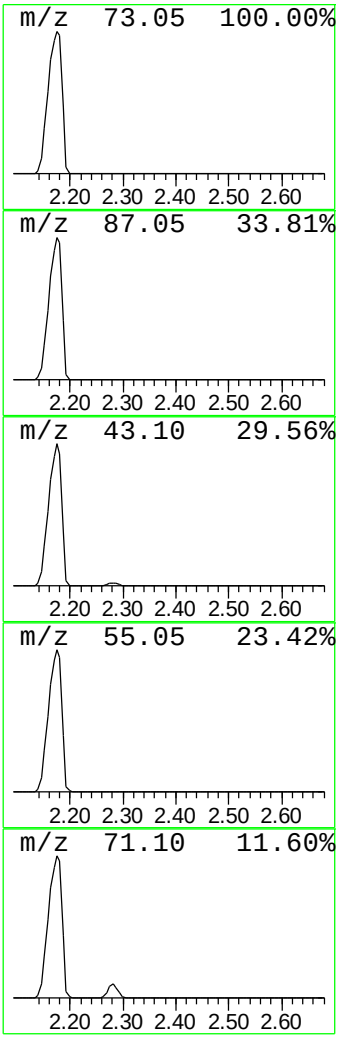
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	167.19 ng/ul	21624500	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,4-Butanediamine	88	C4H12N2	000110-60-1	9
5	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

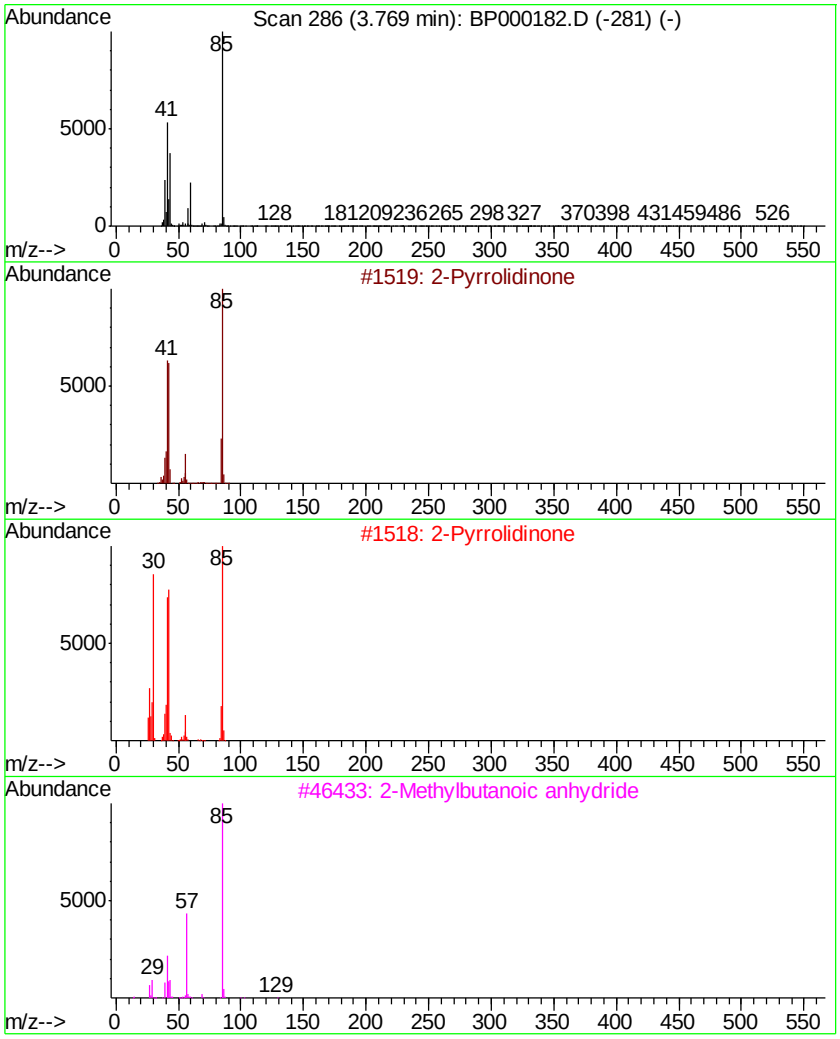
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

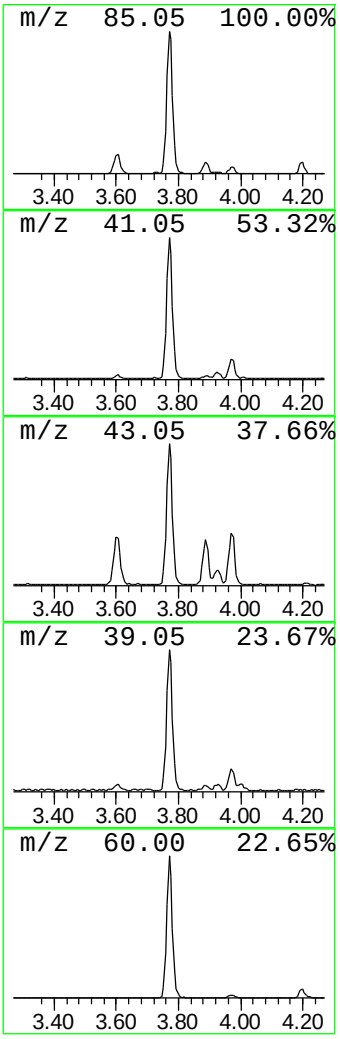
****

Peak Number 2 2-Pyrrolidinone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.77	2.96 ng/ul	382266	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
3	2-Methylbutanoic anhydride	186	C10H18O3	001468-39-9	9
4	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	9
5	Methacrylamide	85	C4H7NO	000079-39-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

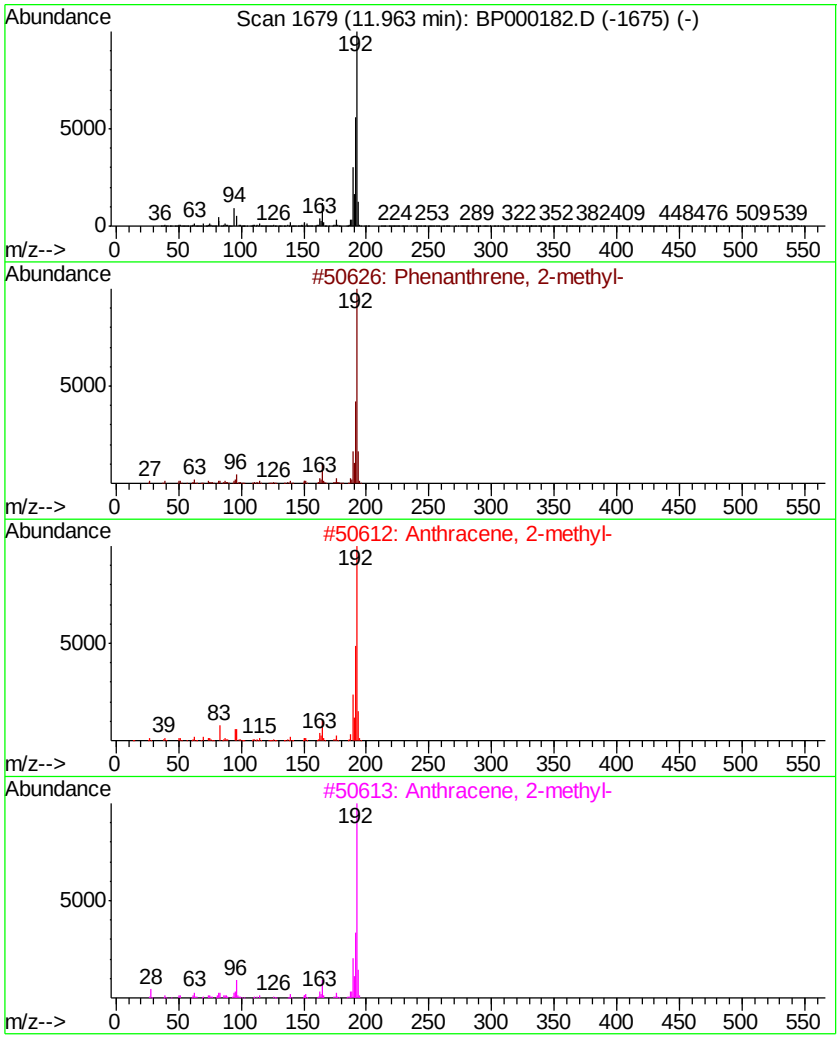
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

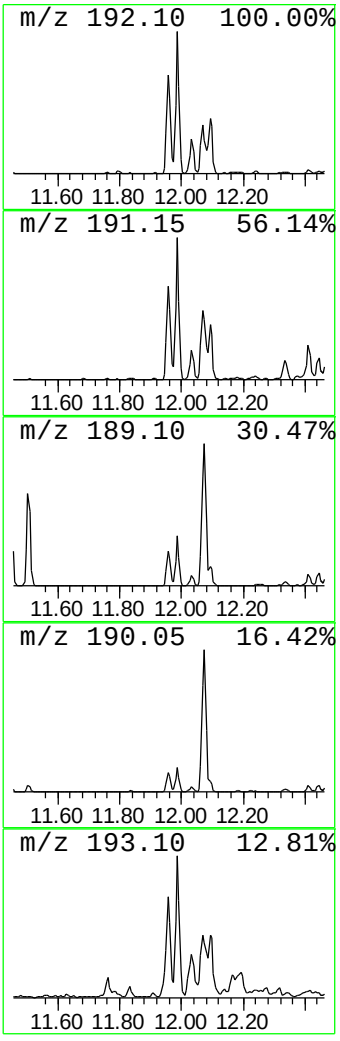
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.56 ng/ul	785202	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

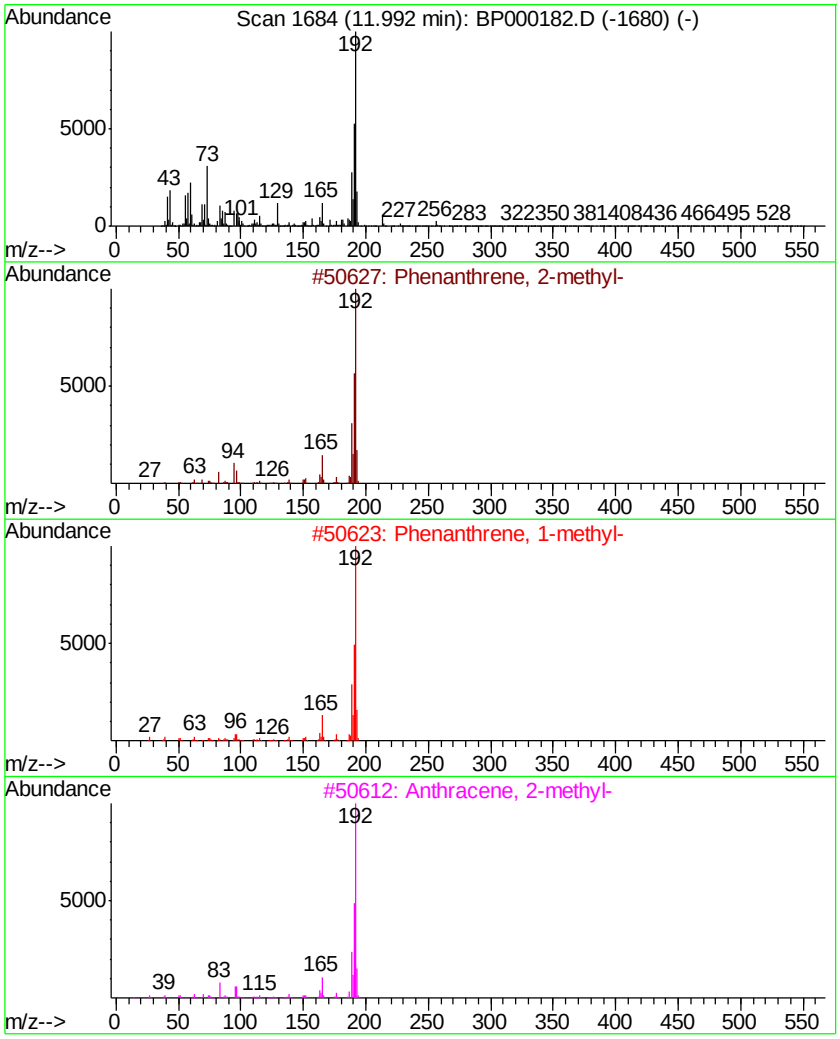
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

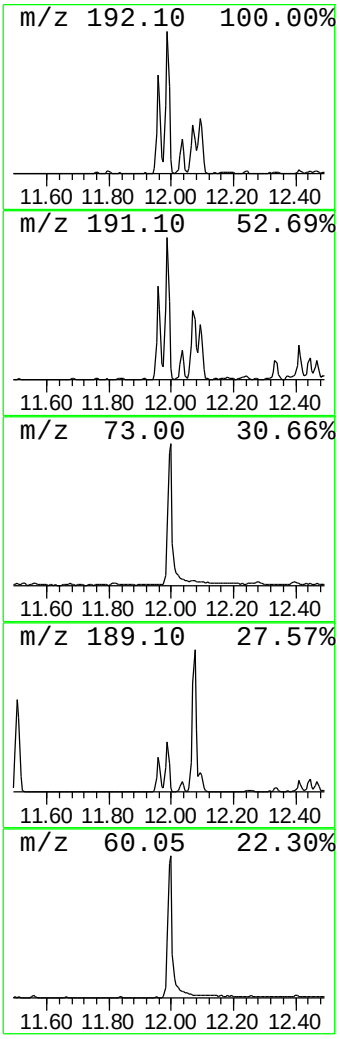
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	8.42 ng/ul	1856990	Phenanthrene-d10	11.45

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

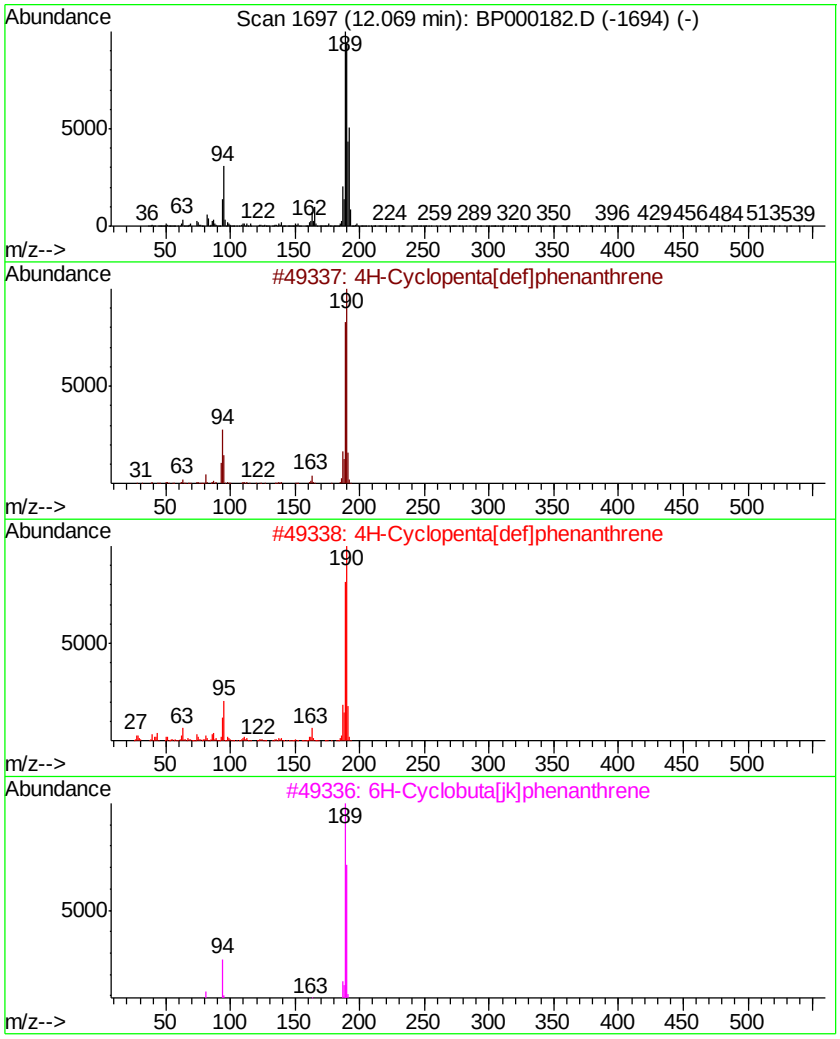
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

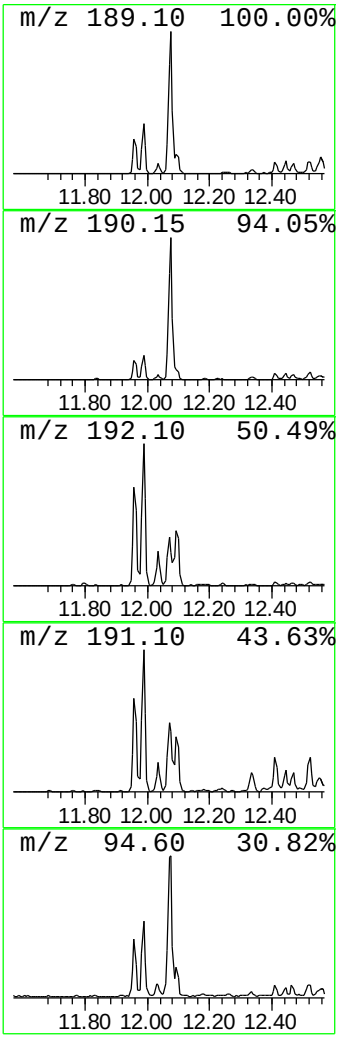
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	6.95 ng/ul	1533070	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

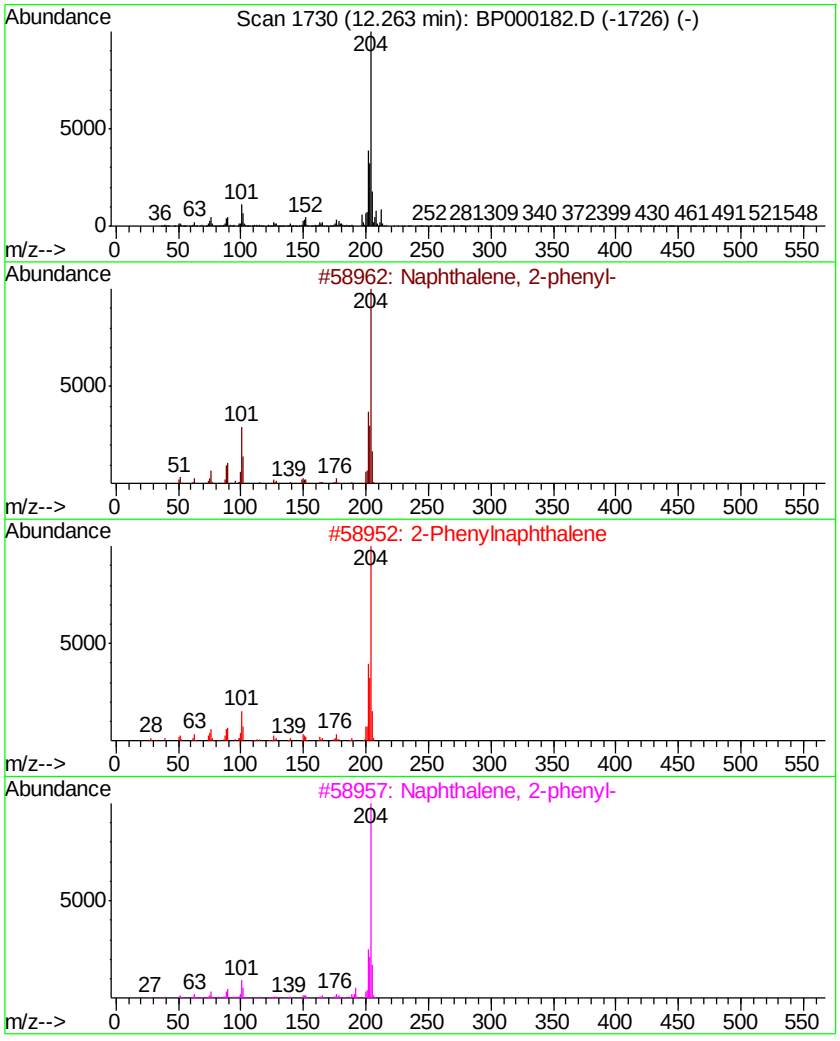
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

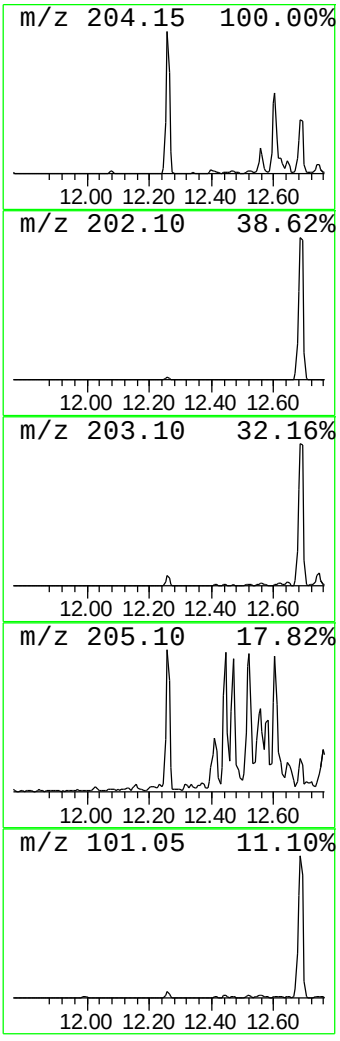
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.63 ng/ul	579744	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

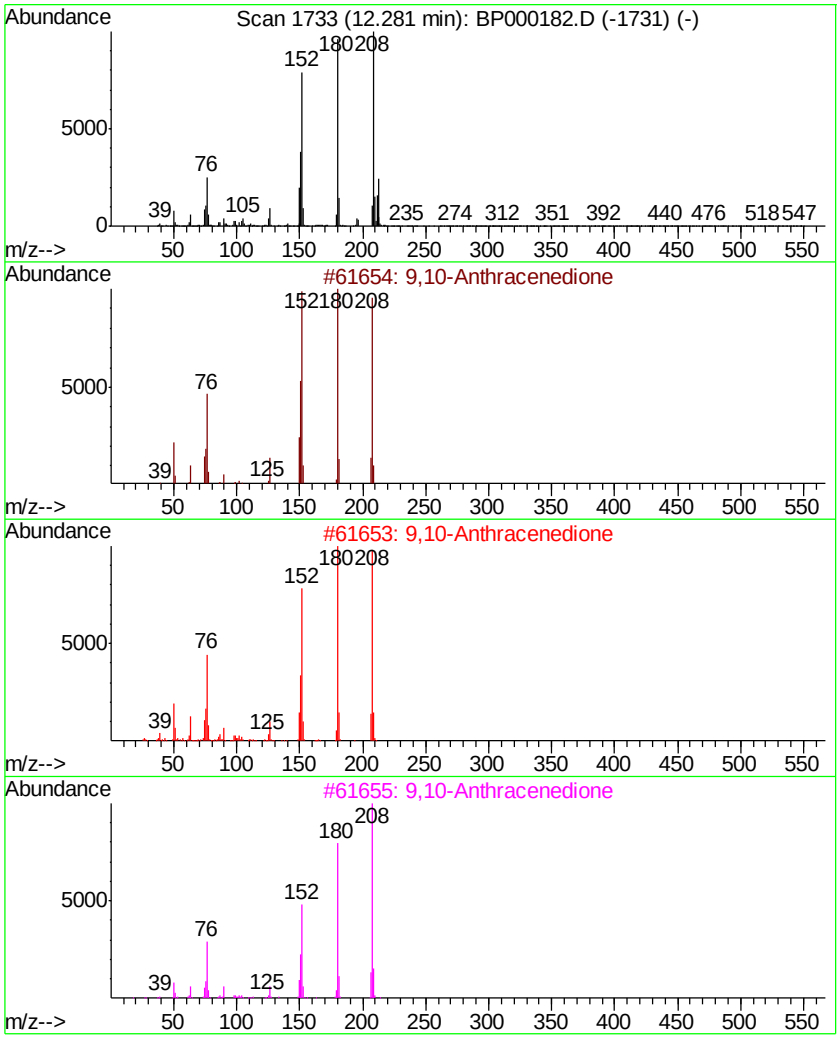
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

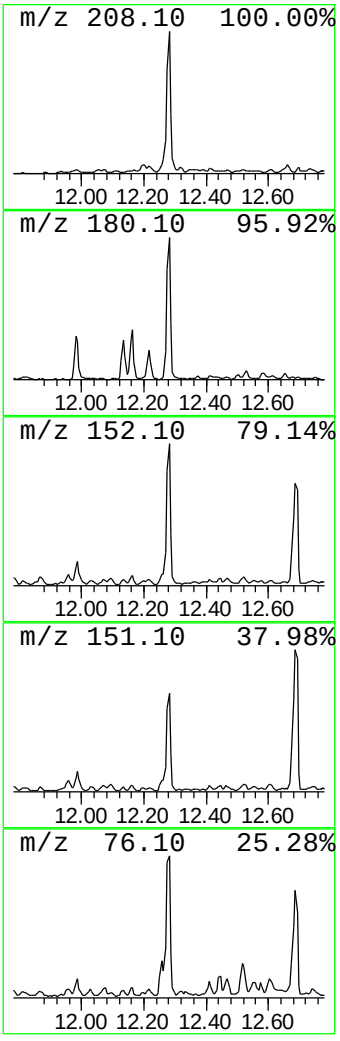
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.80 ng/ul	618139	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

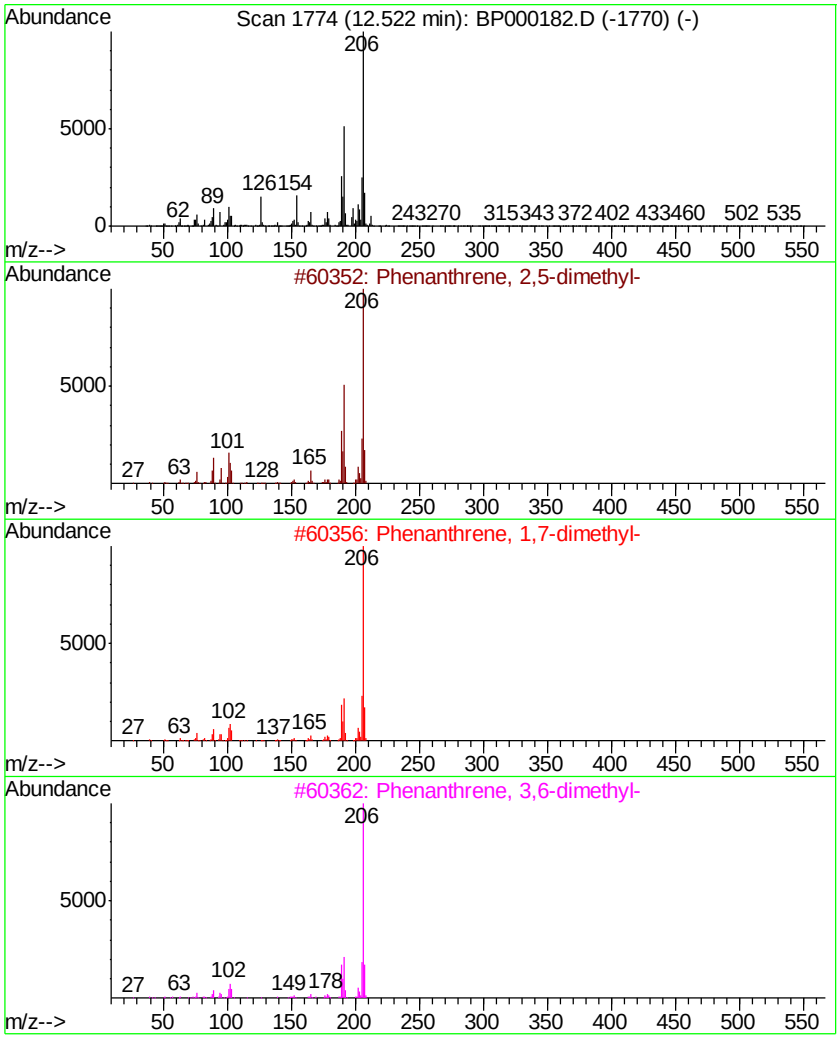
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

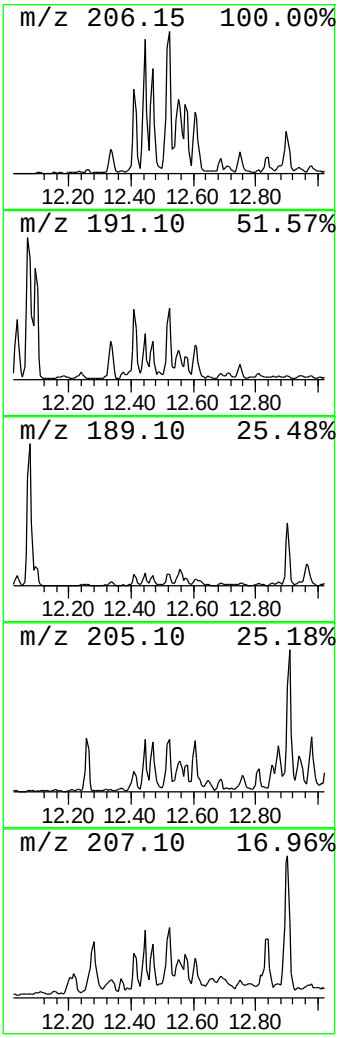
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.52 ng/ul	556558	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

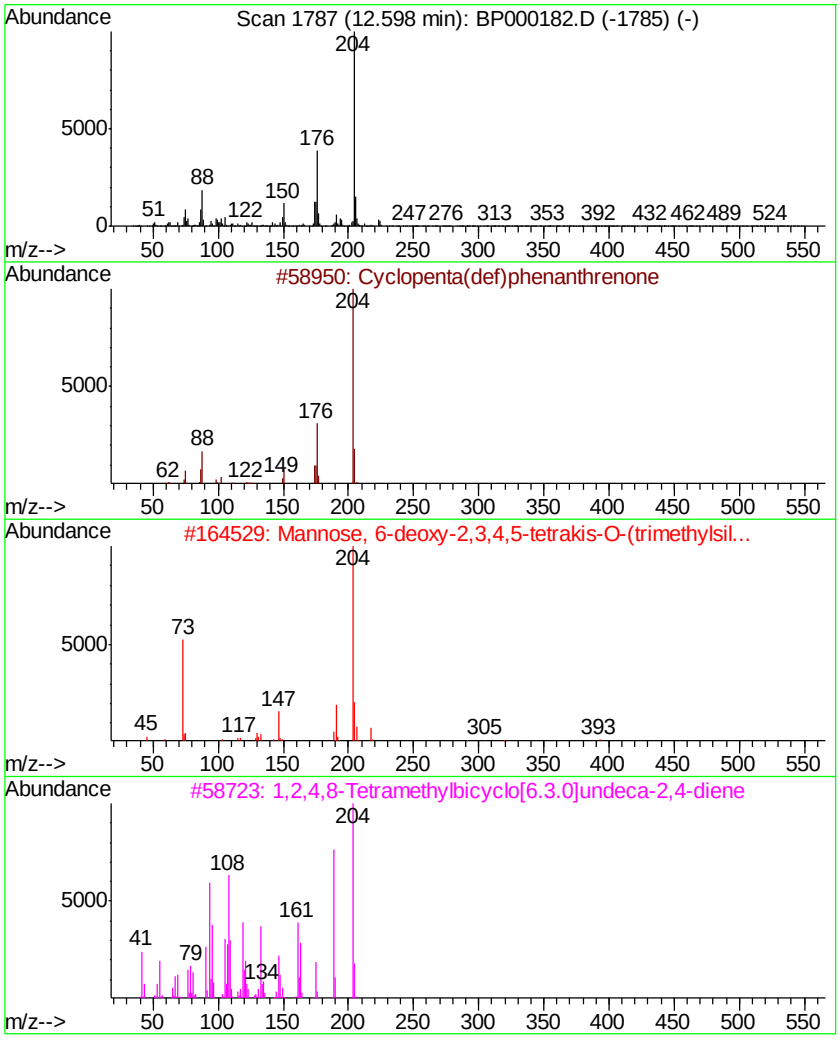
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

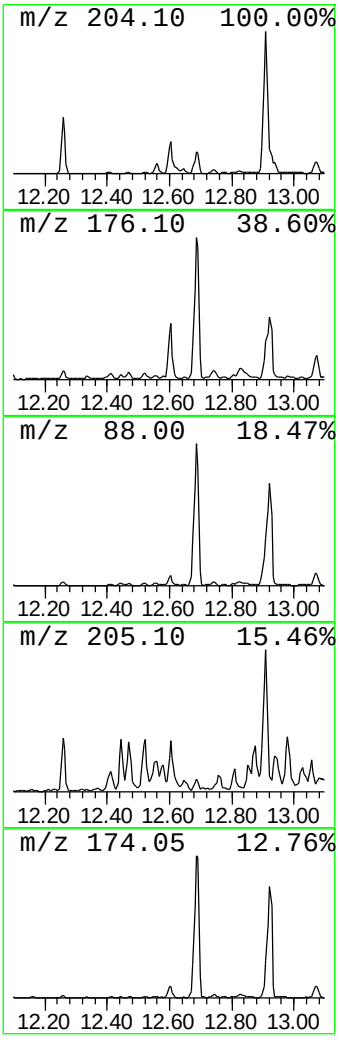
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.56 ng/ul	564430	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

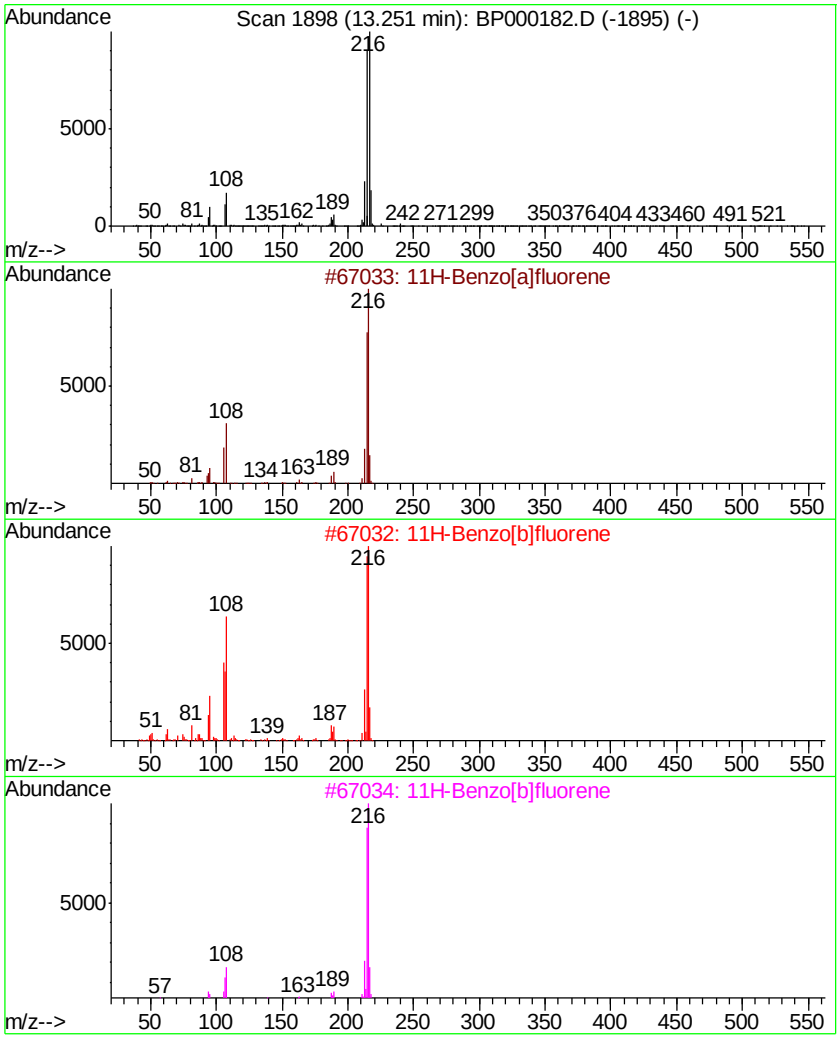
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

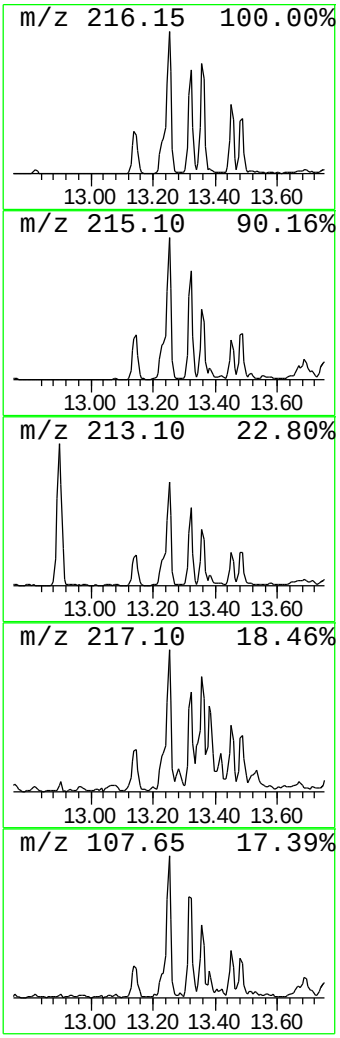
****

Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.13 ng/ul	2281880	Chrysene-d12	14.15

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

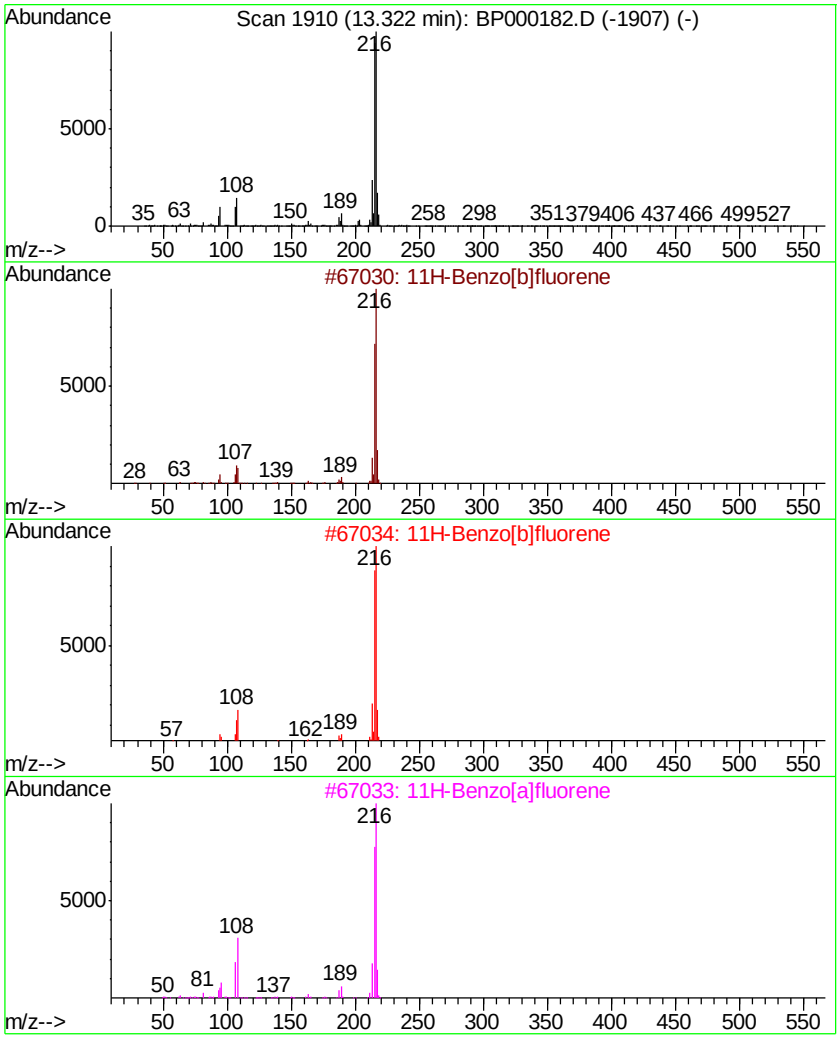
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

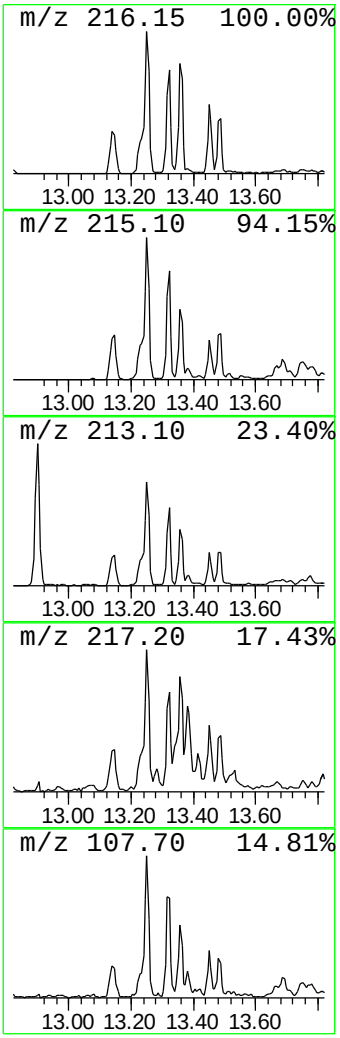
****

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.03 ng/ul	1475760	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

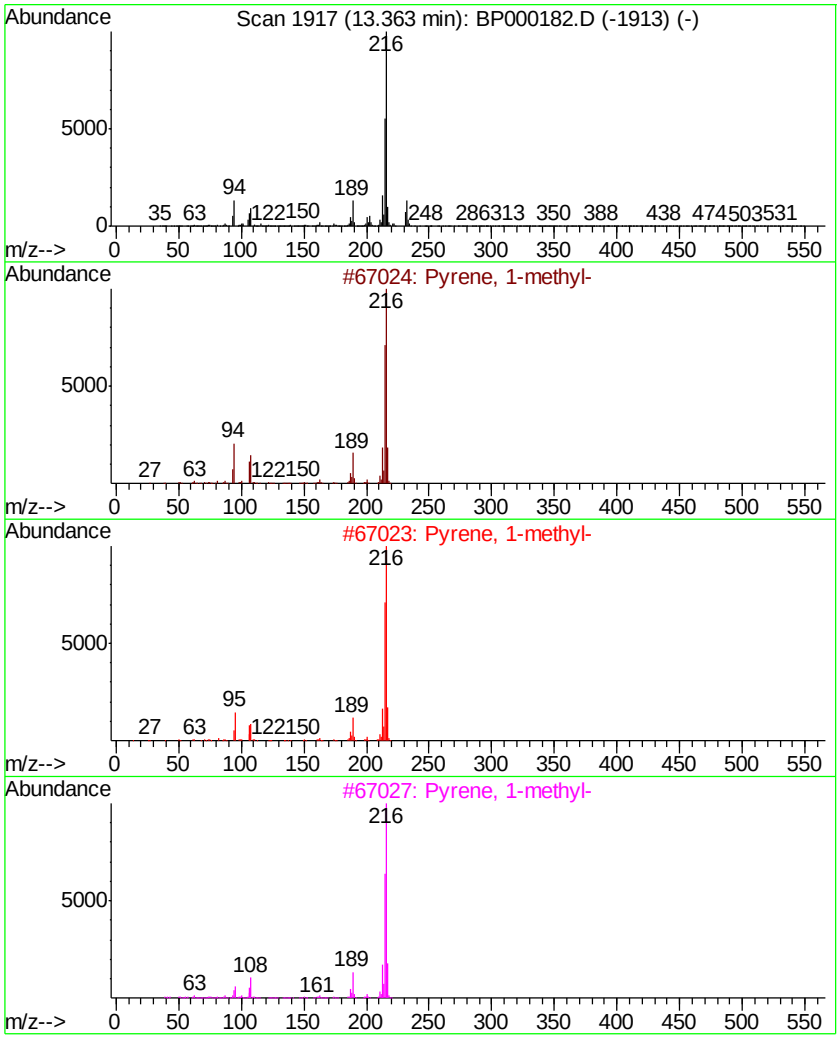
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

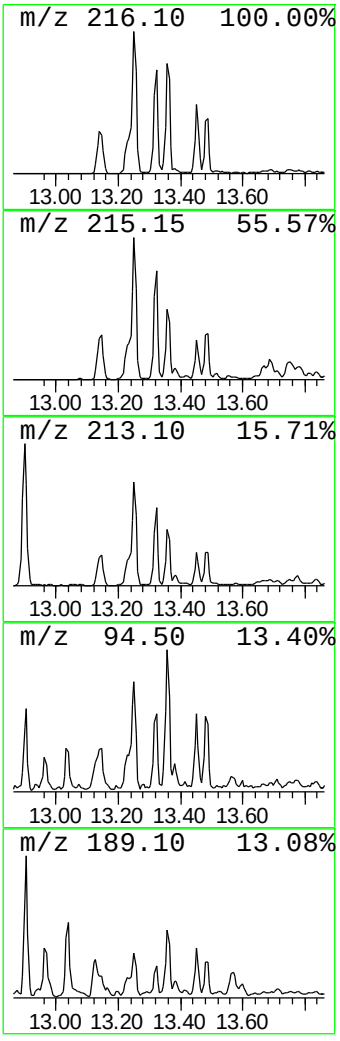
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.55 ng/ul	1860670	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

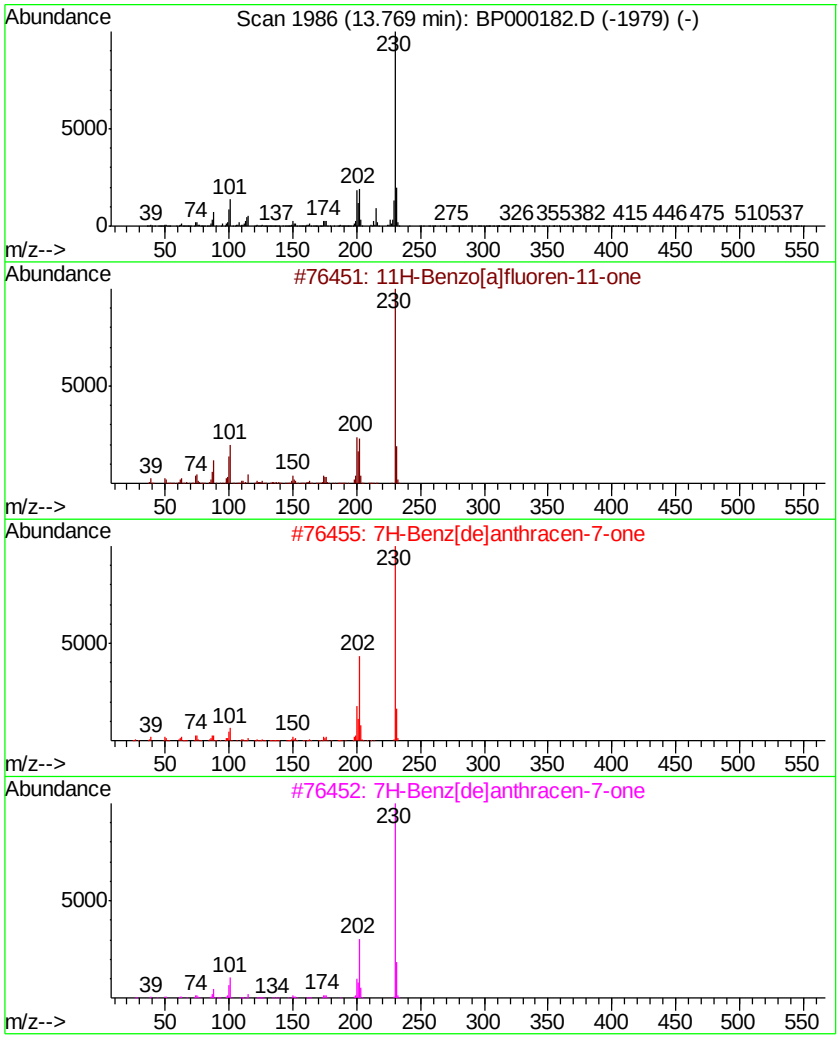
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

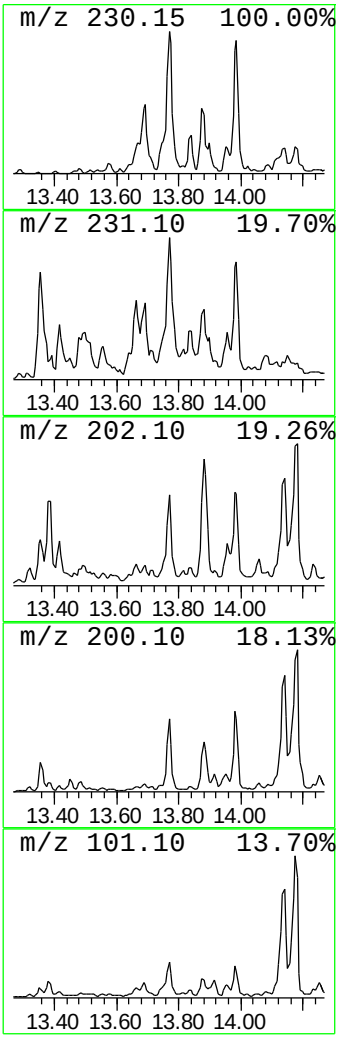
****

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.53 ng/ul	1839280	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

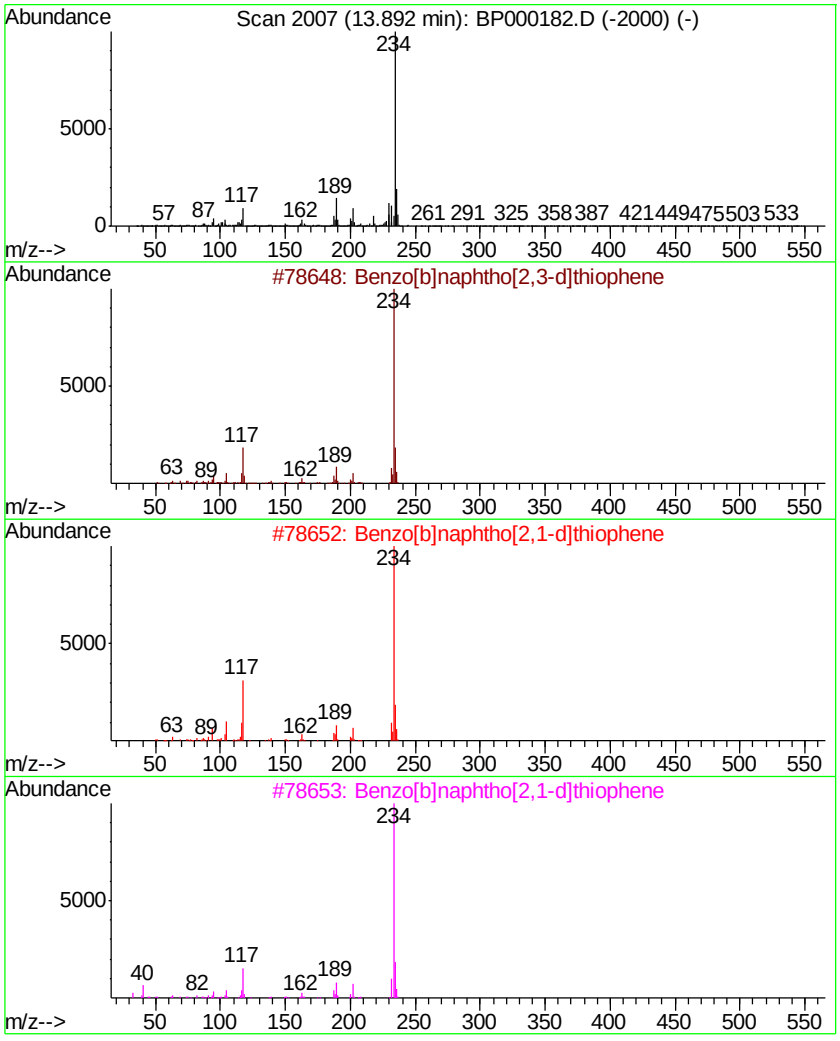
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

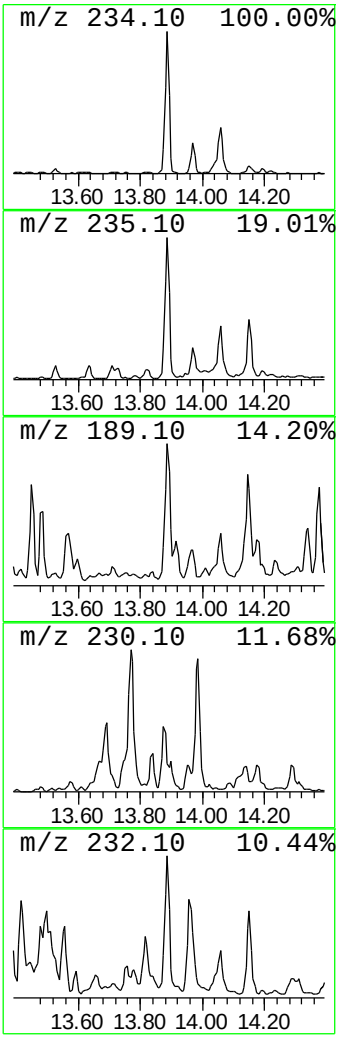
****

Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.81 ng/ul	2774070	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

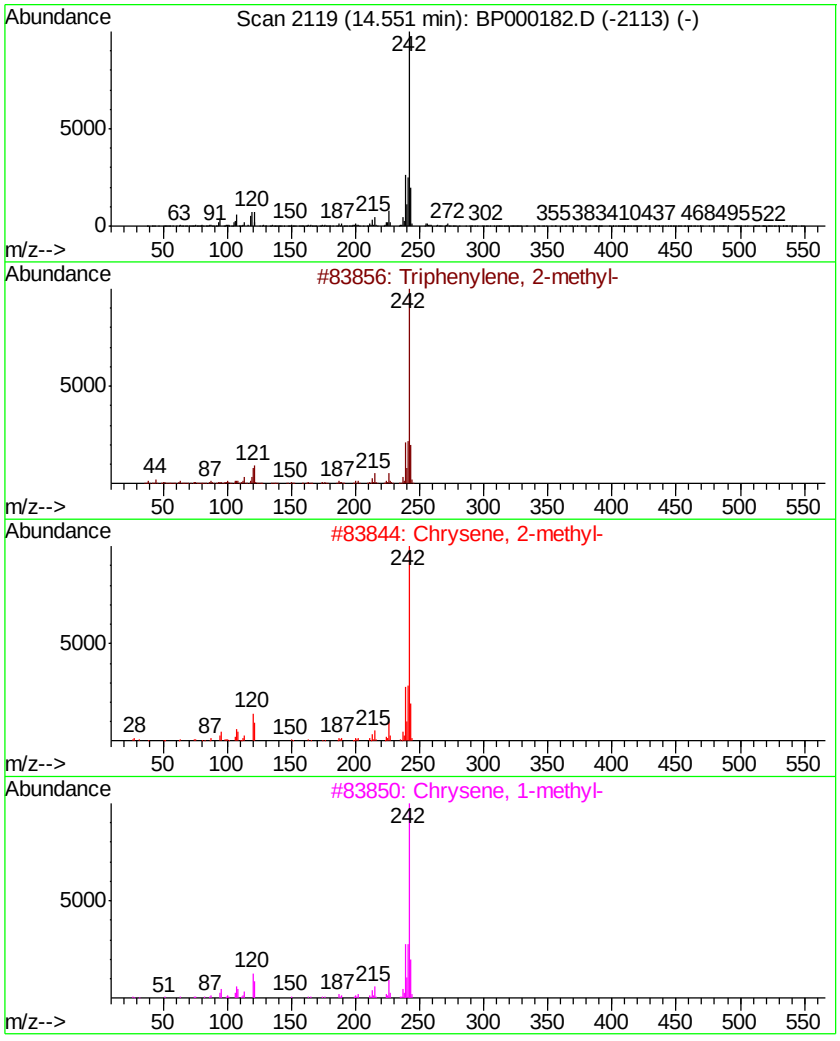
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

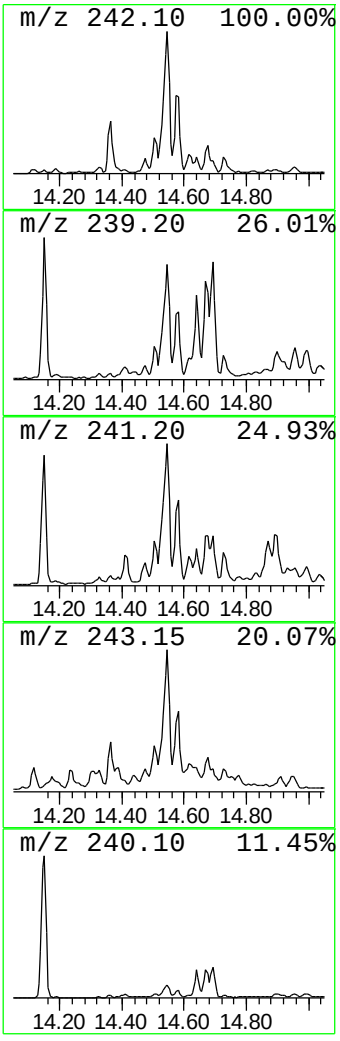
****

Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.91 ng/ul	2846810	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	98
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	97
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

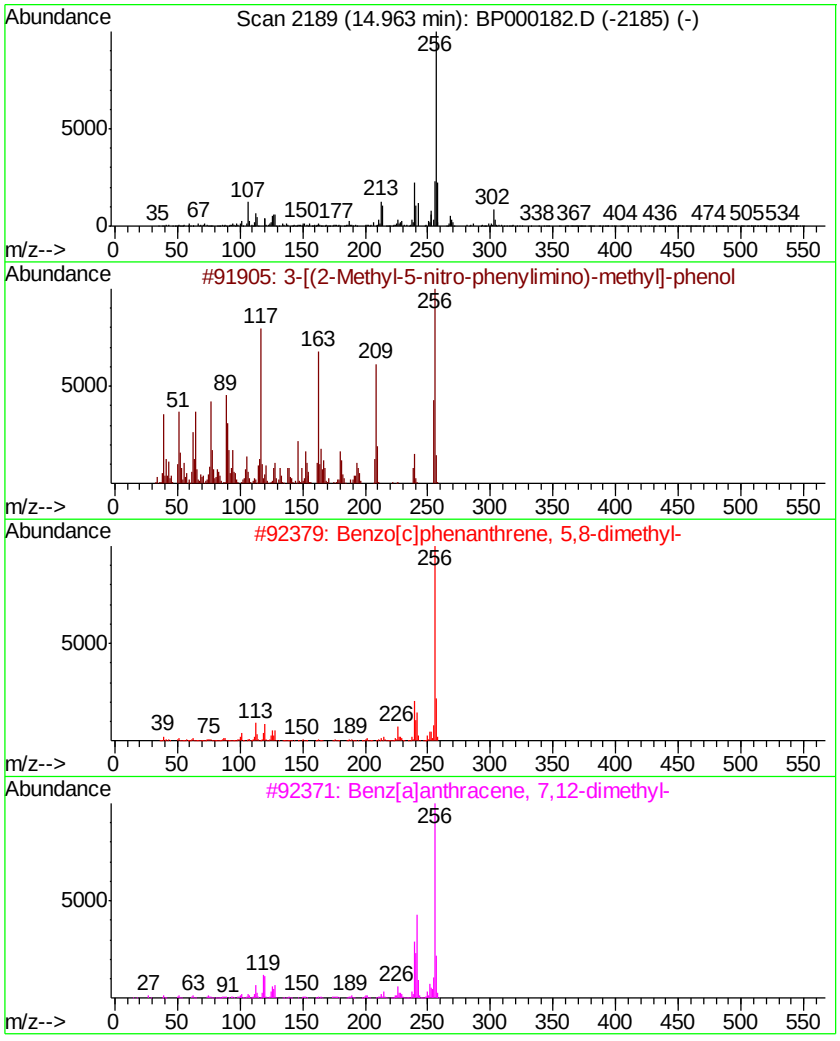
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

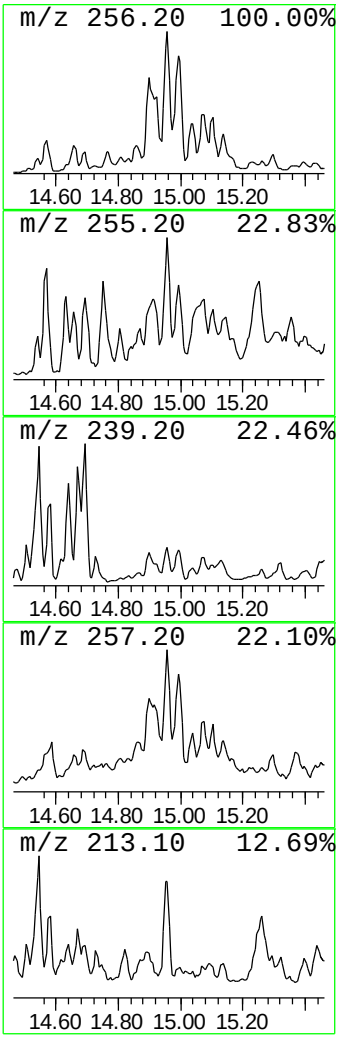
****

Peak Number 16 3-[(2-Methyl-5-nitro-phenyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	3.61 ng/ul	596338	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	93
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	90
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	89
4	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	81
5	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

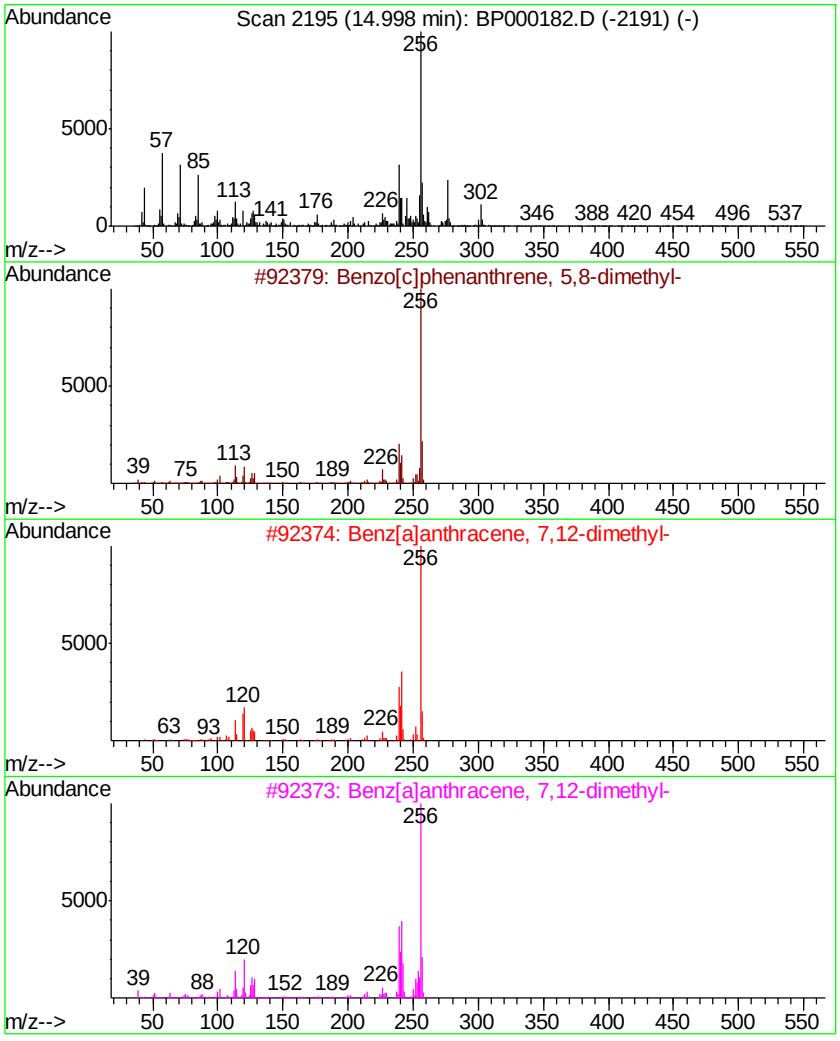
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

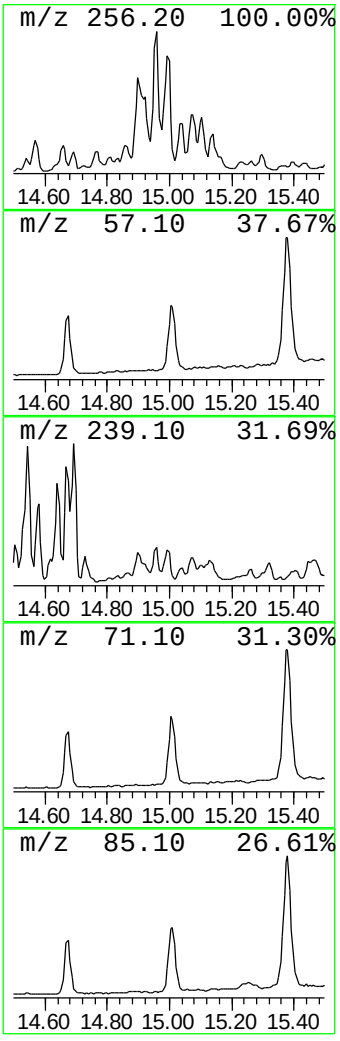
****

Peak Number 17 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	7.04 ng/ul	1164200	Perylene-d12	15.70

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	70
3	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	55
4	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	52
5	9,10,11,12-Tetrahydrobenzo[e]pyrene	256	C20H16	067099-81-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

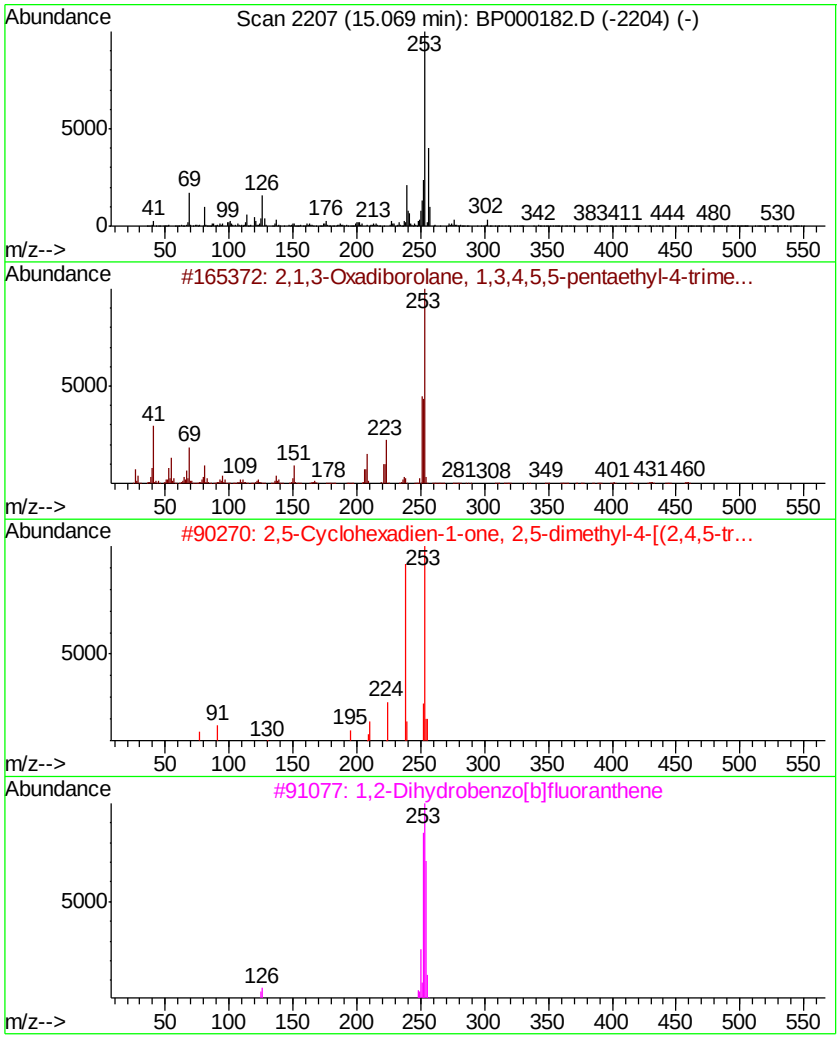
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

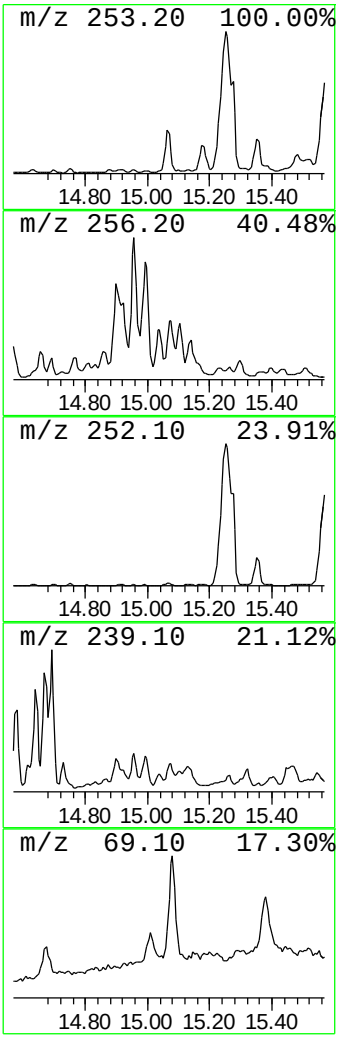
****

Peak Number 18 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.73 ng/ul	616118	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,1,3-Oxadiborolane, 1,3,4,5,5-p...	460	C15H34B2OPb	161423-23-0	12
2	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	9
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	9
4	9,10-Anthracenedione, 1,8-dimeth...	268	C16H12O4	006407-55-2	9
5	Triamterene	253	C12H11N7	000396-01-0	7





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

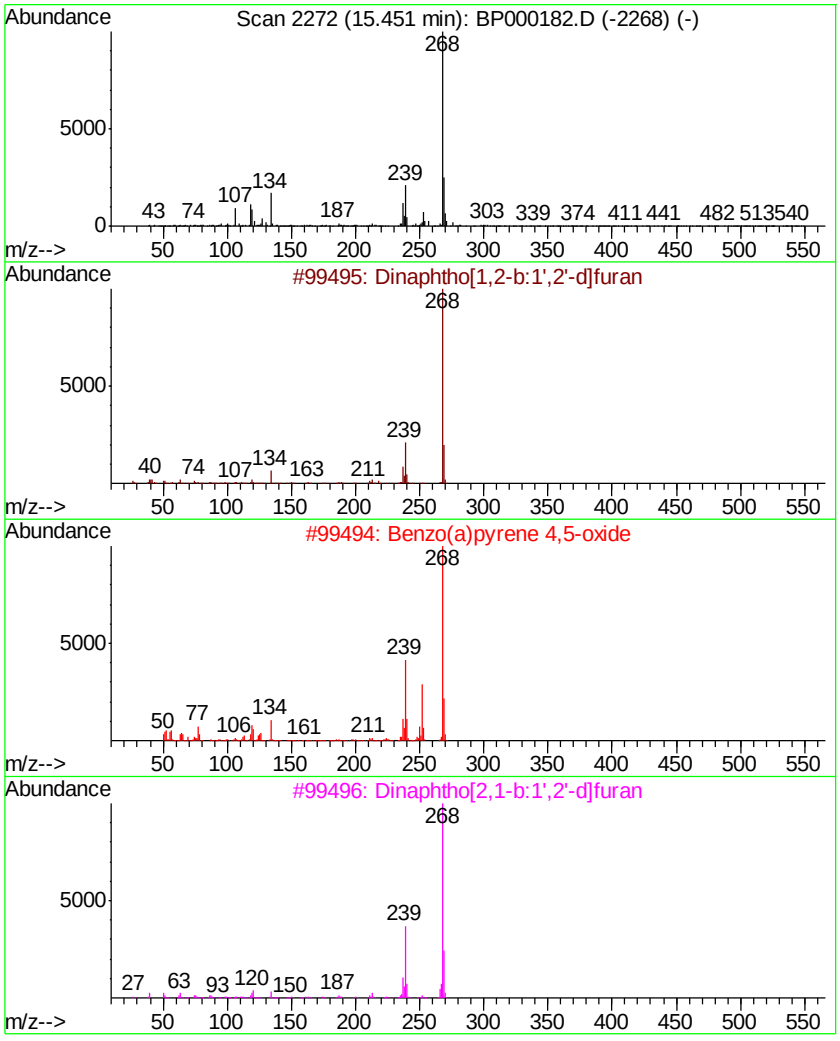
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

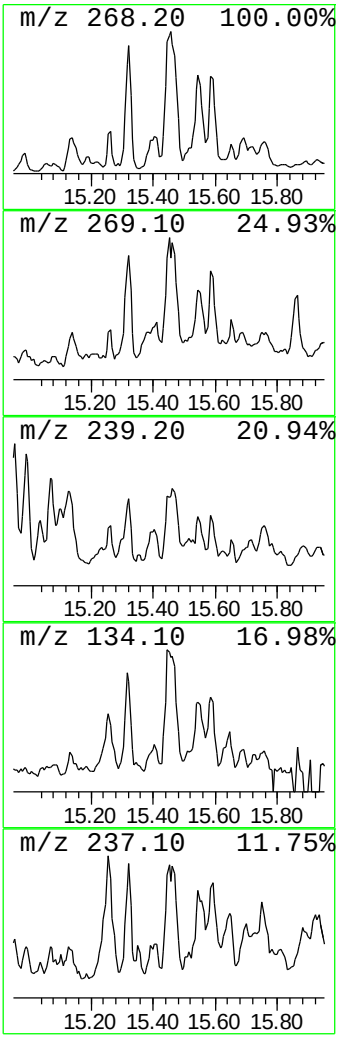
****

Peak Number 20 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	2.38 ng/ul	393159	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	95
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

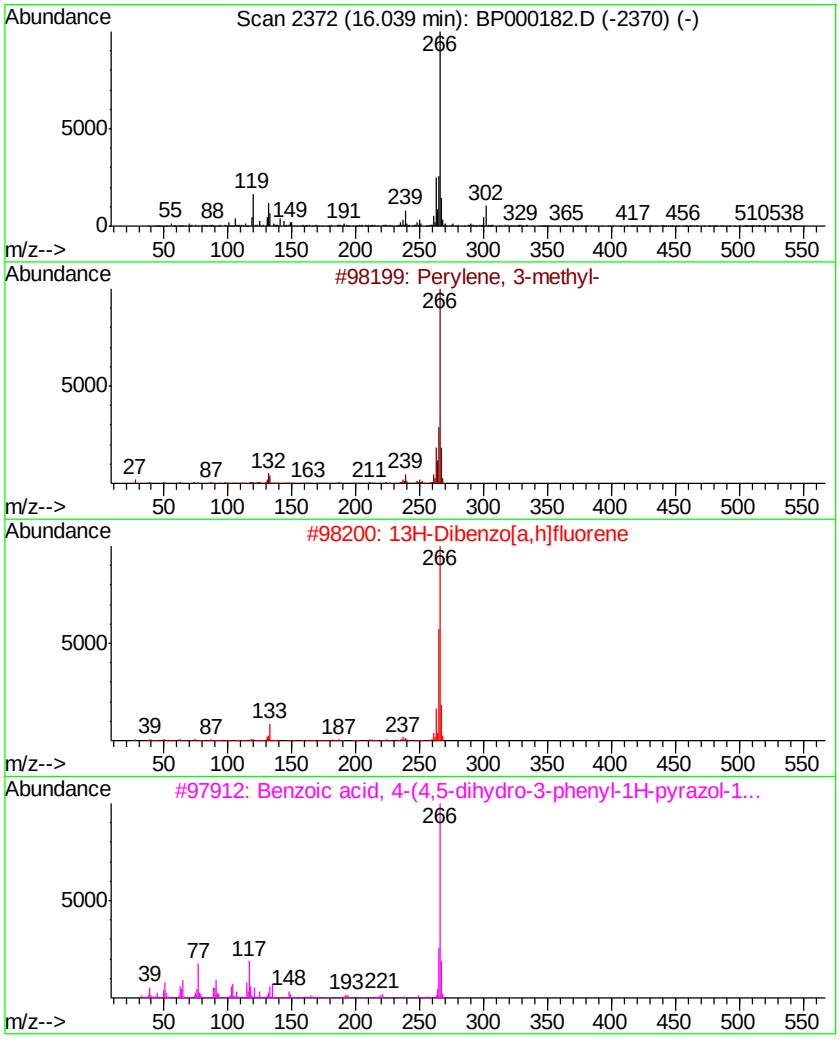
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

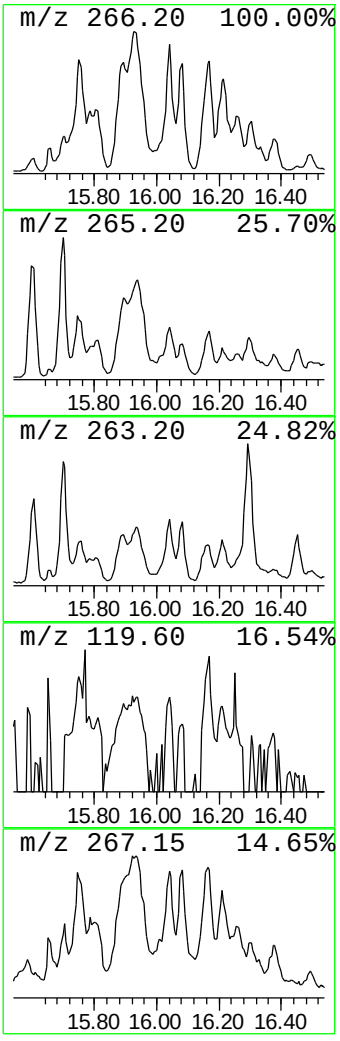
****

Peak Number 21 Perylene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.59 ng/ul	428596	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	91
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	49
3	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	47
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	46
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

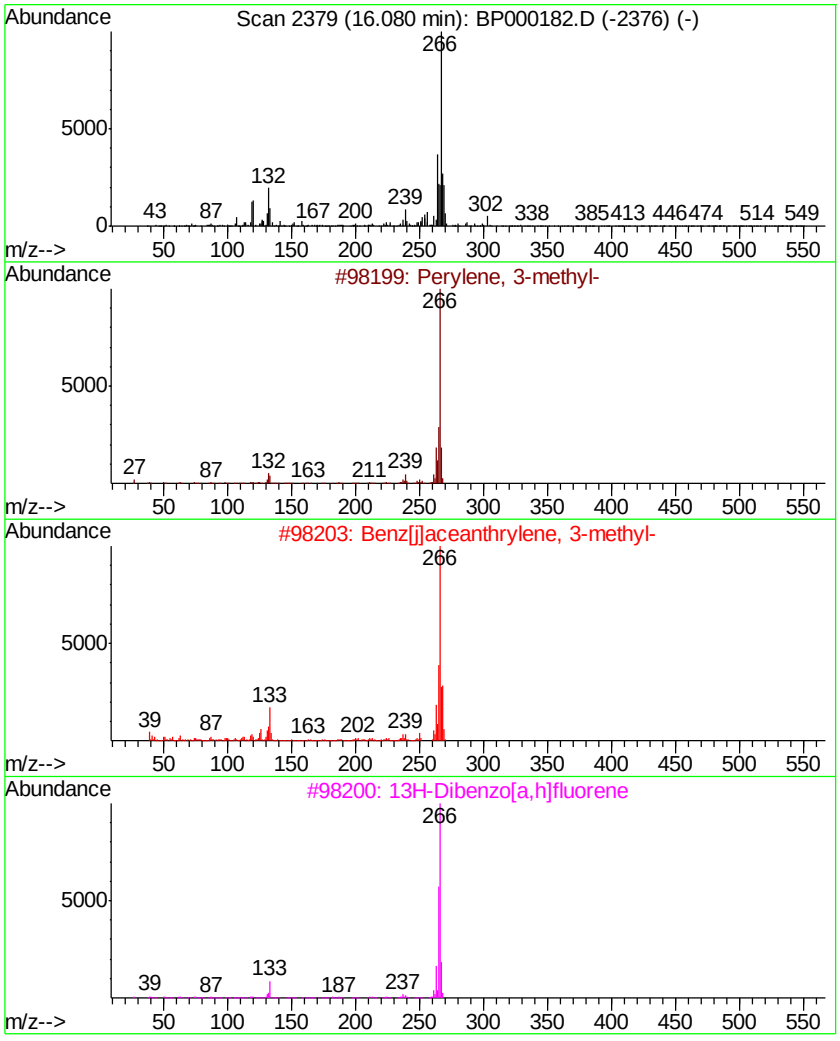
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

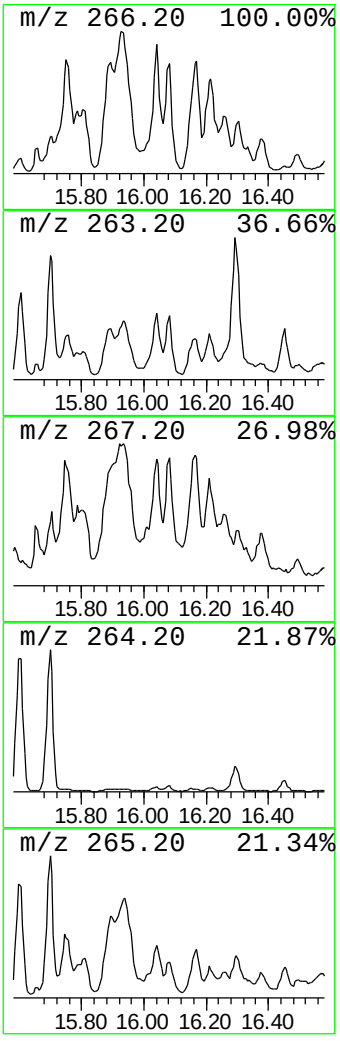
****

Peak Number 22 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	7.05 ng/ul	1165660	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	55
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	49
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	45
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	45
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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

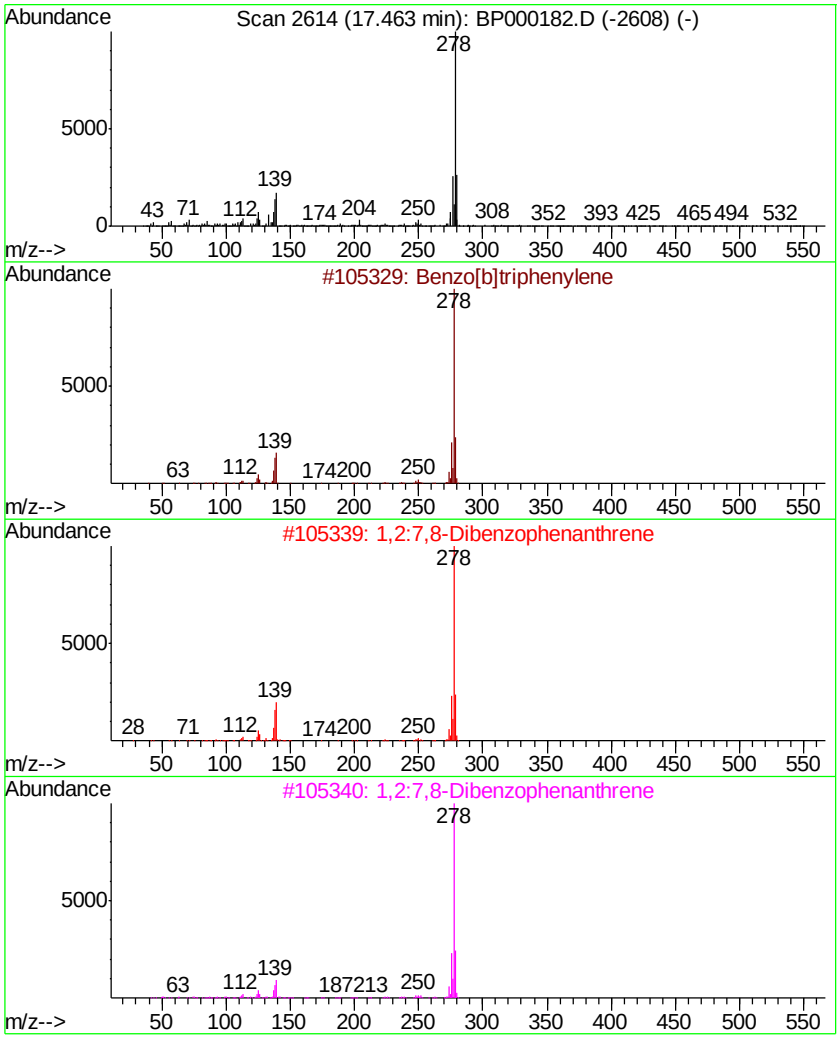
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

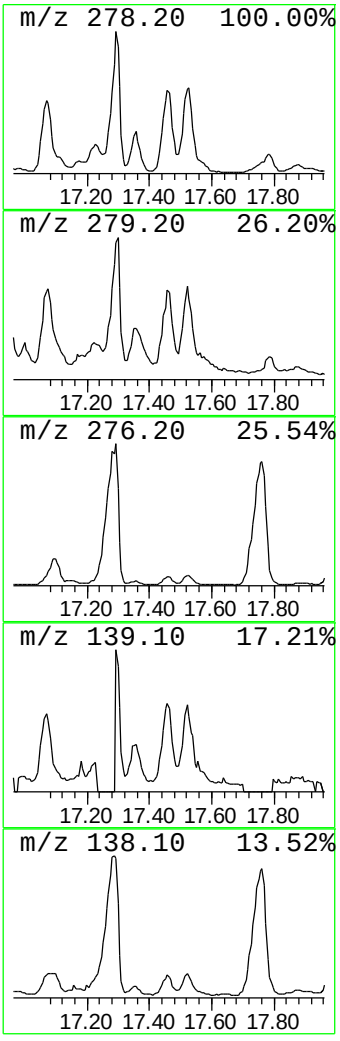
****

Peak Number 23 Benzo[b]triphenylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	11.34 ng/ul	1875210	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
4	Pentaphene	278	C22H14	000222-93-5	97
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091019\
Data File : BP000182.D
Acq On : 10 Sep 2019 22:15
Operator : HP/JU
Sample : K4634-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D29

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...	2.18	167.2	ng/ul	21624500	1	6.89	2586780	20.0
2-Pyrrolidinone	3.77	3.0	ng/ul	382266	1	6.89	2586780	20.0
Phenanthrene, 2-m...	11.96	3.6	ng/ul	785202	4	11.45	4413020	20.0
Phenanthrene, 1-m...	11.99	8.4	ng/ul	1856990	4	11.45	4413020	20.0
4H-Cyclopenta[def...	12.07	7.0	ng/ul	1533070	4	11.45	4413020	20.0
Naphthalene, 2-ph...	12.26	2.6	ng/ul	579744	4	11.45	4413020	20.0
9,10-Anthracenedione	12.28	2.8	ng/ul	618139	4	11.45	4413020	20.0
Phenanthrene, 2,5...	12.52	2.5	ng/ul	556558	4	11.45	4413020	20.0
Cyclopenta(def)ph...	12.60	2.6	ng/ul	564430	4	11.45	4413020	20.0
11H-Benzo[a]fluorene	13.25	3.1	ng/ul	2281880	5	14.15	14567400	20.0
11H-Benzo[b]fluorene	13.32	2.0	ng/ul	1475760	5	14.15	14567400	20.0
Pyrene, 1-methyl-	13.36	2.5	ng/ul	1860670	5	14.15	14567400	20.0
11H-Benzo[a]fluor...	13.77	2.5	ng/ul	1839280	5	14.15	14567400	20.0
Benzo[b]naphtho[2...	13.89	3.8	ng/ul	2774070	5	14.15	14567400	20.0
Triphenylene, 2-m...	14.55	3.9	ng/ul	2846810	5	14.15	14567400	20.0
3-[(2-Methyl-5-ni...	14.96	3.6	ng/ul	596338	6	15.70	3306150	20.0
Benzo[c]phenanthr...	15.00	7.0	ng/ul	1164200	6	15.70	3306150	20.0
unknown-01	15.07	3.7	ng/ul	616118	6	15.70	3306150	20.0
Dinaphtho[1,2-b:1...	15.45	2.4	ng/ul	393159	6	15.70	3306150	20.0
Perylene, 3-methyl-	16.04	2.6	ng/ul	428596	6	15.70	3306150	20.0
unknown-02	16.08	7.0	ng/ul	1165660	6	15.70	3306150	20.0
Benzo[b]triphenylene	17.46	11.3	ng/ul	1875210	6	15.70	3306150	20.0