LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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	2.169	6	14	18	rBV	10604512	16638144	100.00%	9.970%
2	3.769	281	286	294	rVB	74945	103680	0.62%	0.062%
3	3.969	316	320	323	rVV	107800	148569	0.89%	0.089%
4	3.999	323	325	335	rVB	88641	103267	0.62%	0.062%
5	5.087	507	510	515	rVB	98639	94444	0.57%	0.057%
6	5.493	576	579	586	rBV	401310	483707	2.91%	0.290%
7	5.751	616	623	628	rBV	282175	249320	1.50%	0.149%
8	6.187	694	697	704	rVB2	135212	128667	0.77%	0.077%
9	6.510	748	752	759	rVV2	2118676	2063256	12.40%	1.236%
10	6.569	759	762	766	rVV	1601071	1414321	8.50%	0.848%
11	6.657	774	777	781	rVV	2196496	1825757	10.97%	1.094%
12	6.893	813	817	820	rBV	3410957	2641273	15.87%	1.583%
13	7.257	875	879	882	rBV	2821311	2135532	12.84%	1.280%
14	7.446	907	911	914	rVV	2097250	1621151	9.74%	0.971%
15	7.604	933	938	942	rVV	324016	273111	1.64%	0.164%
16	7.775	963	967	970	rBV	1633714	1333476	8.01%	0.799%
17	8.016	1004	1008	1012	rBV	2709776	2185664	13.14%	1.310%
18	8.175	1031	1035	1038	rBV	4156124	3597365	21.62%	2.156%
19	8.198	1038	1039	1042	rVV	273725	164389	0.99%	0.099%
20	8.245	1042	1047	1055	rVB	1094193	1114842	6.70%	0.668%
21	9.604	1273	1278	1279	rBV2	84821	93471	0.56%	0.056%
22	9.628	1279	1282	1284	rVV	3581167	2885602	17.34%	1.729%
23	9.651	1284	1286	1289	rVV	1192614	835900	5.02%	0.501%
24	9.787	1305	1309	1316	rVV	4718406	3761705	22.61%	2.254%
25	9.898	1323	1328	1330	rVV2	228840	226864	1.36%	0.136%
26	9.945	1332	1336	1339	rVV	5173591	4080696	24.53%	2.445%
27	9.975	1339	1341	1344	rVV	710452	531630	3.20%	0.319%
28	10.028	1347	1350	1357	rVV	1148792	980126	5.89%	0.587%
29	10.145	1367	1370	1374	rVB	375762	328419	1.97%	0.197%
30	10.469	1421	1425	1428	rVV	5054196	4243234	25.50%	2.543%
31	10.492	1428	1429	1432	rVV	183653	146422	0.88%	0.088%
32	10.522	1432	1434	1439	rVV	753389	696354	4.19%	0.417%
33	10.581	1439	1444	1451	rVV5	270541	404259	2.43%	0.242%
34	10.657	1455	1457	1462	rVB	131488	101505	0.61%	0.061%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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	10.734	1467	1470	1474	rVB	110553	132262	0.79%	0.079%
36	10.781	1474	1478	1482	rBV	399548	366217	2.20%	0.219%
37	10.863	1489	1492	1496	rBV2	291903	296216	1.78%	0.178%
38	11.022	1516	1519	1523	rBV3	68204	93209	0.56%	0.056%
39	11.063	1523	1526	1528	rVV2	110137	109517	0.66%	0.066%
40	11.245	1554	1557	1562	rVB	854962	702318	4.22%	0.421%
41	11.310	1562	1568	1571	rBV2	800819	808546	4.86%	0.485%
42	11.339	1571	1573	1576	rVV	389894	307910	1.85%	0.185%
43	11.375	1576	1579	1581	rVB	117127	93443	0.56%	0.056%
44	11.398	1581	1583	1587	rBV	241461	206904	1.24%	0.124%
45	11.451	1587	1592	1593	rVV	4237065	4053914	24.37%	2.429%
46	11.475	1593	1596	1598	rVV	7011305	5983640	35.96%	3.586%
47	11.504	1598	1601	1603	rVV	4803595	4123325	24.78%	2.471%
48	11.522	1603	1604	1607	rVB	1297903	882736	5.31%	0.529%
49	11.557	1607	1610	1614	rVB	152533	130257	0.78%	0.078%
50	11.675	1625	1630	1633	rBV2	1220933	1131528	6.80%	0.678%
51	11.751	1640	1643	1646	rBV2	91477	106996	0.64%	0.064%
52	11.786	1646	1649	1652	rVB3	168892	164108	0.99%	0.098%
53	11.922	1667	1672	1674	rBV2	206316	266262	1.60%	0.160%
54	11.957	1675	1678	1680	rBV	750839	601953	3.62%	0.361%
55	12.004	1680	1686	1689	rBV2	2564869	3123749	18.77%	1.872%
56	12.069	1694	1697	1700	rVV	628155	734142	4.41%	0.440%
57	12.092	1700	1701	1706	rVB	396385	238878	1.44%	0.143%
58	12.133	1706	1708	1711	rBV2	87720	107153	0.64%	0.064%
59	12.175	1711	1715	1718	rBV4	201297	246781	1.48%	0.148%
60	12.257	1726	1729	1731	rBV	540548	565442	3.40%	0.339%
61	12.275	1731	1732	1740	rVB	834456	744447	4.47%	0.446%
62	12.410	1753	1755	1757	rBV	158698	128385	0.77%	0.077%
63	12.445	1758	1761	1763	rBV2	112537	126043	0.76%	0.076%
64	12.516	1770	1773	1777	rBV	443026	504543	3.03%	0.302%
65	12.551	1777	1779	1781	rVV2	120557	126273	0.76%	0.076%
66	12.575	1781	1783	1785	rVV	163764	127356	0.77%	0.076%
67	12.604	1785	1788	1792	rVV	713474	700491	4.21%	0.420%
68	12.686	1797	1802	1805	rBV	9894092	9464997	56.89%	5.672%
69	12.733	1805	1810	1816	rVB4	214828	416936	2.51%	0.250%
70	12.804	1818	1822	1825	rBV3	1184694	1381008	8.30%	0.828%
71	12.898	1834	1838	1839	rBV	5109104	4921381	29.58%	2.949%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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	12.922	1839	1842	1845	rVV	7233944	7219428	43.39%	4.326%
73	12.963	1845	1849	1855	rVB3	353621	466876	2.81%	0.280%
74	13.039	1859	1862	1864	rBV	404211	379600	2.28%	0.227%
75	13.075	1865	1868	1872	rVB	626961	628067	3.77%	0.376%
76	13.139	1874	1879	1882	rBV2	491709	849294	5.10%	0.509%
77	13.228	1891	1894	1896	rBV4	236088	295947	1.78%	0.177%
78	13.322	1907	1910	1913	rBV3	332291	517026	3.11%	0.310%
79	13.357	1913	1916	1918	rVV2	886853	858723	5.16%	0.515%
80	13.380	1918	1920	1923	rVB	400085	363748	2.19%	0.218%
81	13.445	1928	1931	1935	rVV2	958867	998808	6.00%	0.599%
82	13.480	1935	1937	1941	rVV3	303047	384108	2.31%	0.230%
83	13.669	1966	1969	1975	rVB3	929623	1201392	7.22%	0.720%
84	13.769	1983	1986	1990	rVB	1376402	1347443	8.10%	0.807%
85	13.886	2002	2006	2009	rBV2	1333906	1754214	10.54%	1.051%
86	13.916	2009	2011	2013	rVV	625778	587238	3.53%	0.352%
87	13.945	2013	2016	2019	rVV3	811508	1274993	7.66%	0.764%
88	13.980	2019	2022	2025	rVV2	1034020	1157485	6.96%	0.694%
89	14.016	2025	2028	2032	rVB2	552857	762250	4.58%	0.457%
90	14.145	2042	2050	2053	rBV3	5706860	10747067	64.59%	6.440%
91	14.175	2053	2055	2057	rVB	3358396	2839974	17.07%	1.702%
92	14.539	2115	2117	2120	rVB2	756745	801532	4.82%	0.480%
93	14.675	2137	2140	2146	rBV5	674018	1269316	7.63%	0.761%
94	15.245	2231	2237	2247	rVB	4124679	9718779	58.41%	5.824%
95	15.563	2287	2291	2294	rBV	2130323	3097778	18.62%	1.856%
96	15.598	2294	2297	2300	rVV	1664391	2303654	13.85%	1.380%
97	15.633	2300	2303	2309	rVB	2713275	3411190	20.50%	2.044%
98	15.698	2309	2314	2317	rBV	1916391	2850814	17.13%	1.708%
99	17.274	2575	2582	2590	rVB3	1556480	3695024	22.21%	2.214%
100	17.745	2656	2662	2670	rVB	1387638	3240332	19.48%	1.942%

Sum of corrected areas: 166877488

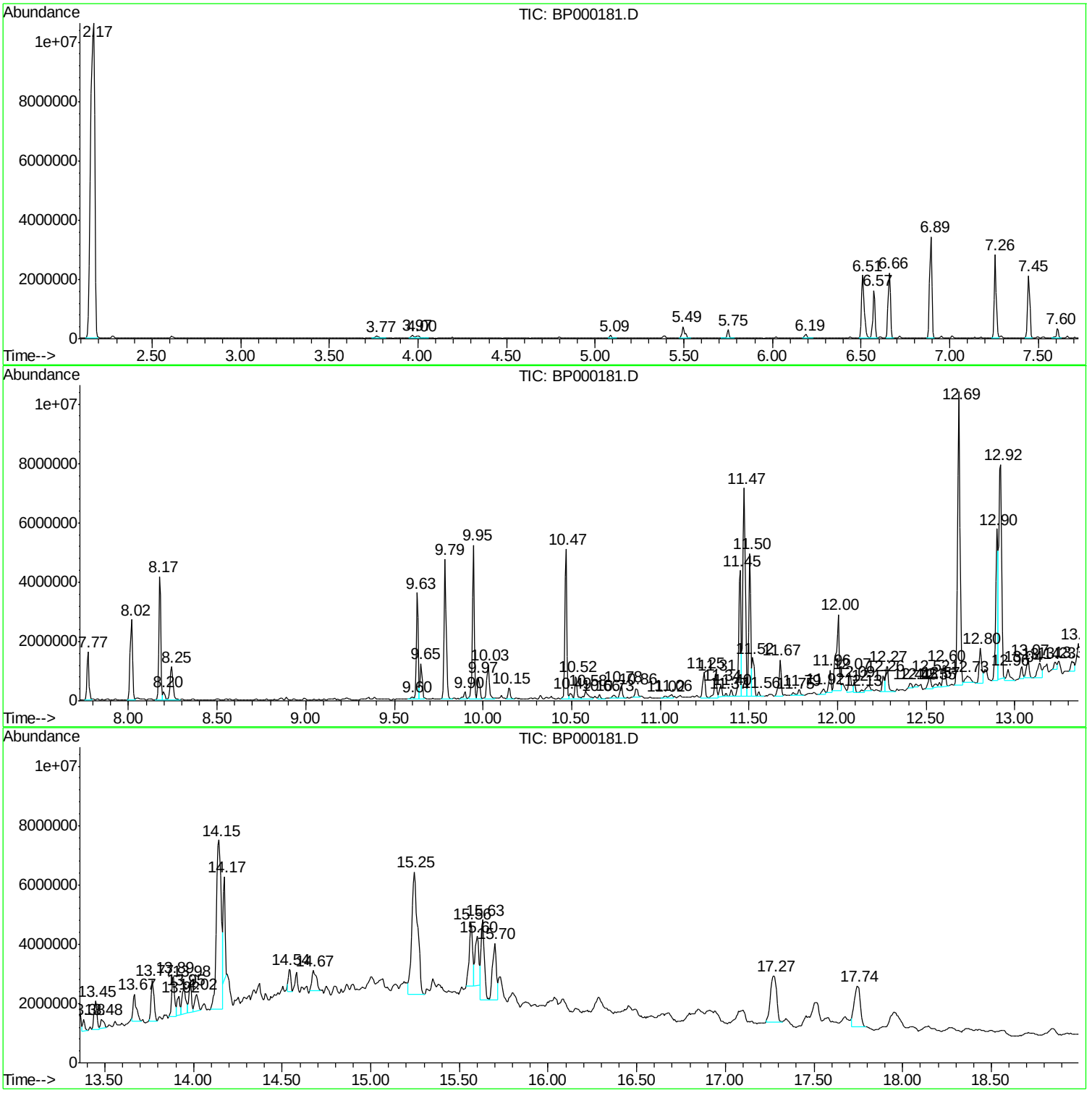
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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 : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

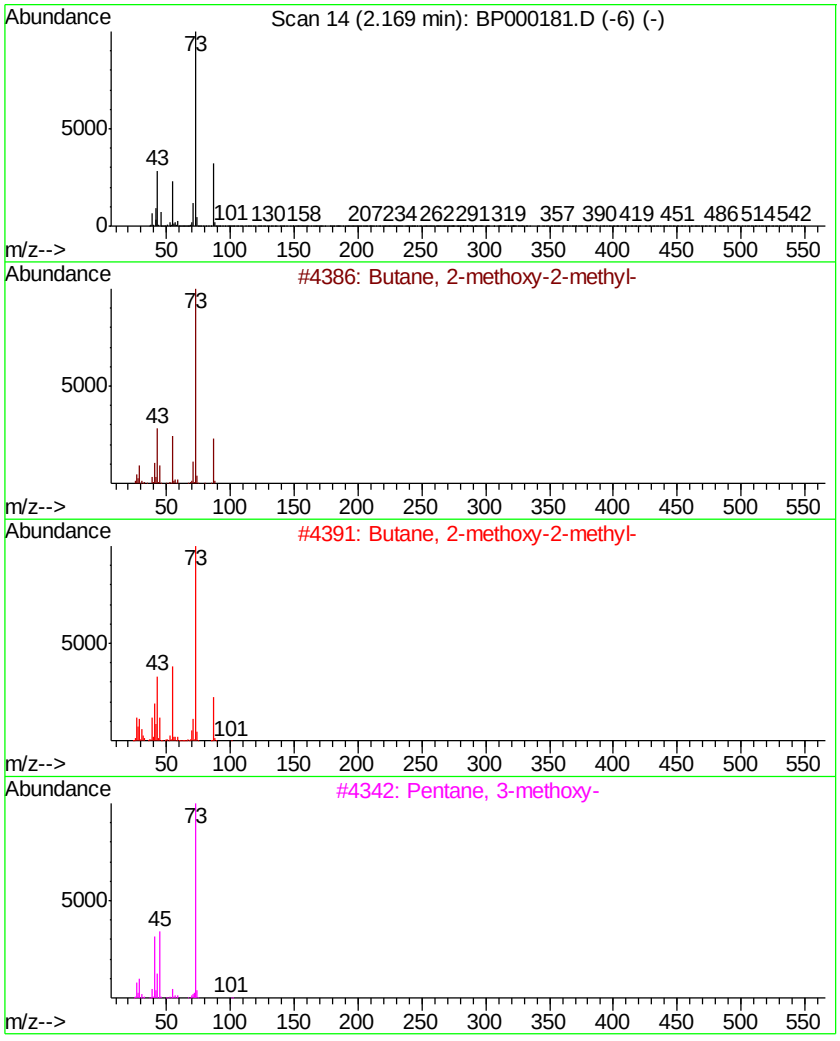
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

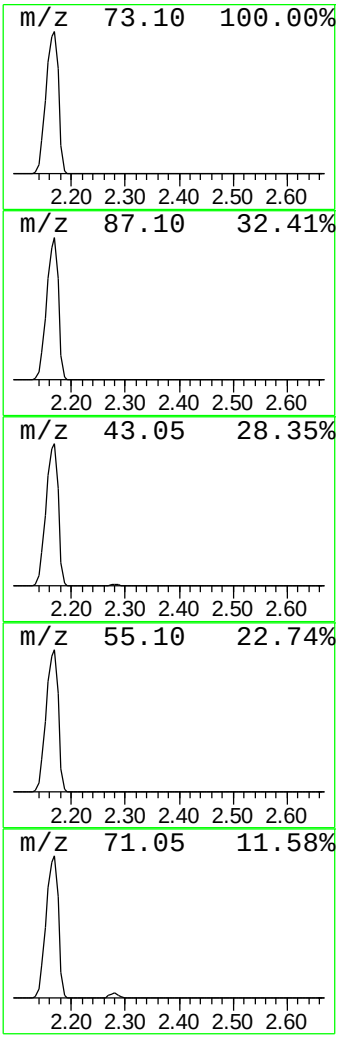
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	125.99 ng/ul	16638100	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,4-Butanediamine	88	C4H12N2	000110-60-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

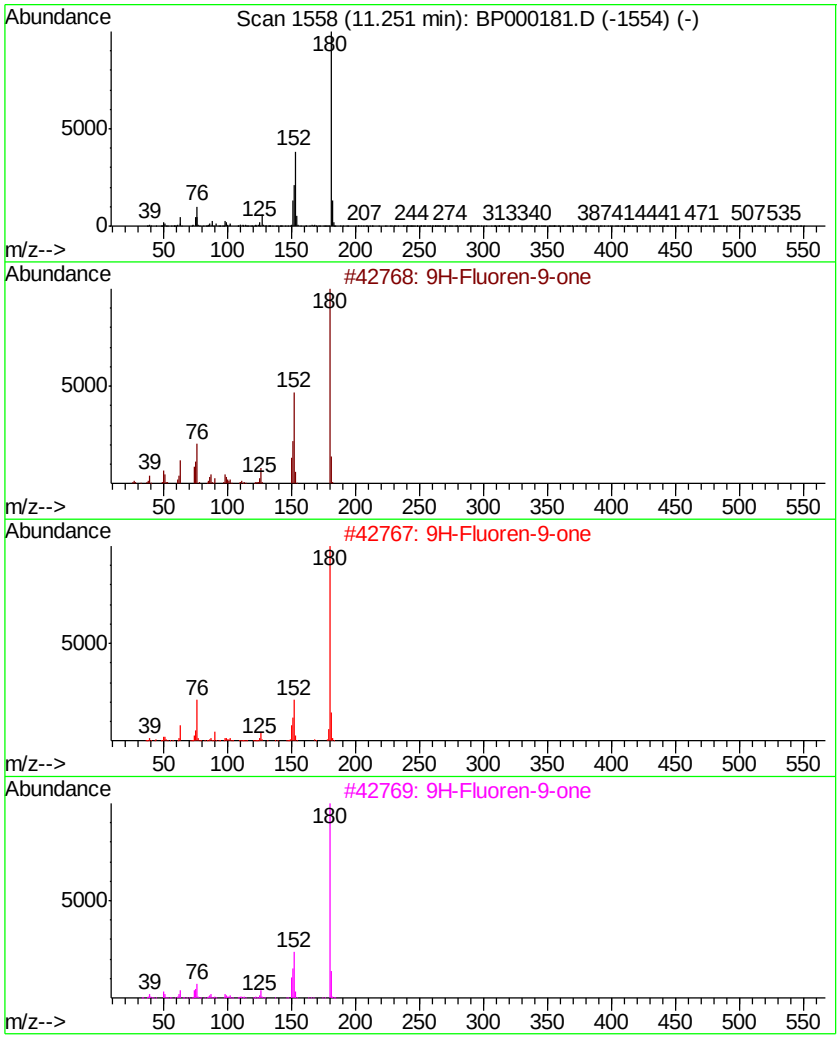
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

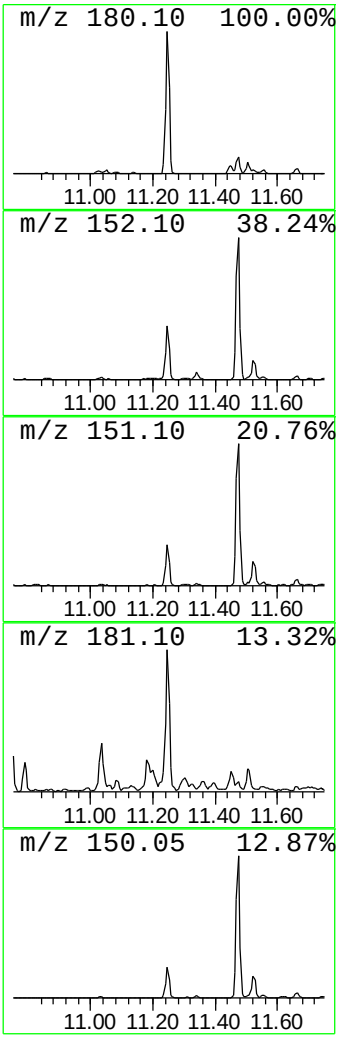
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	3.46 ng/ul	702318	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

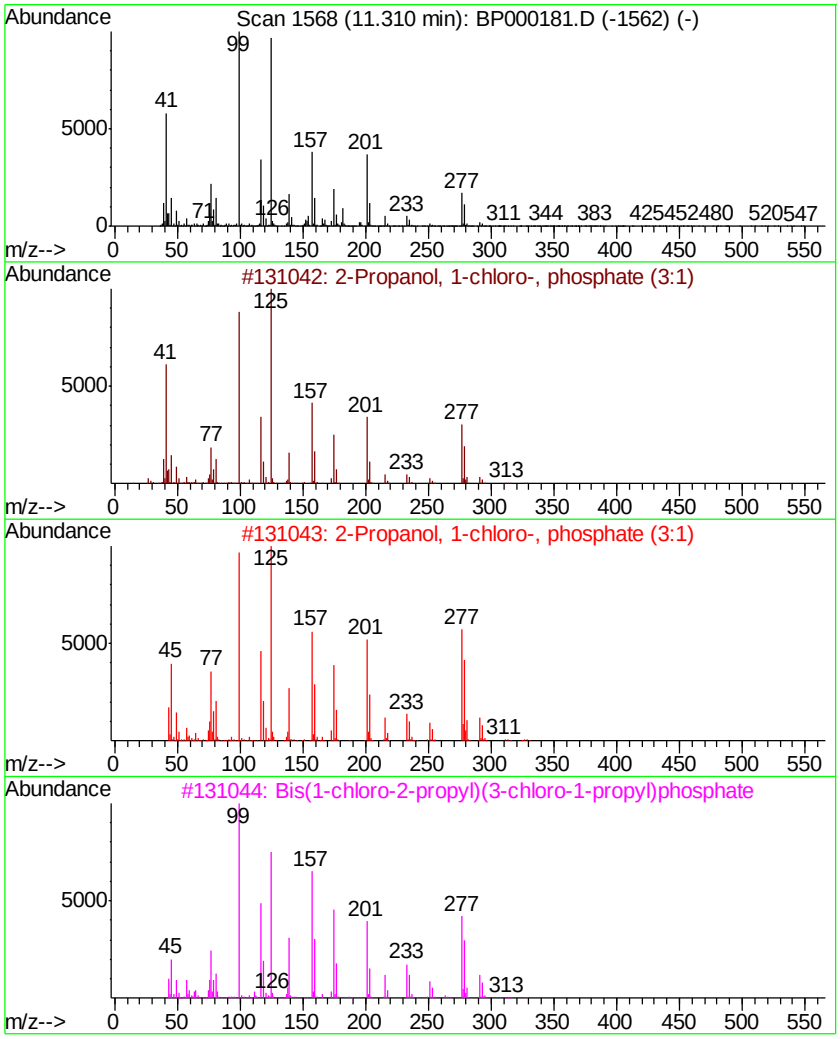
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

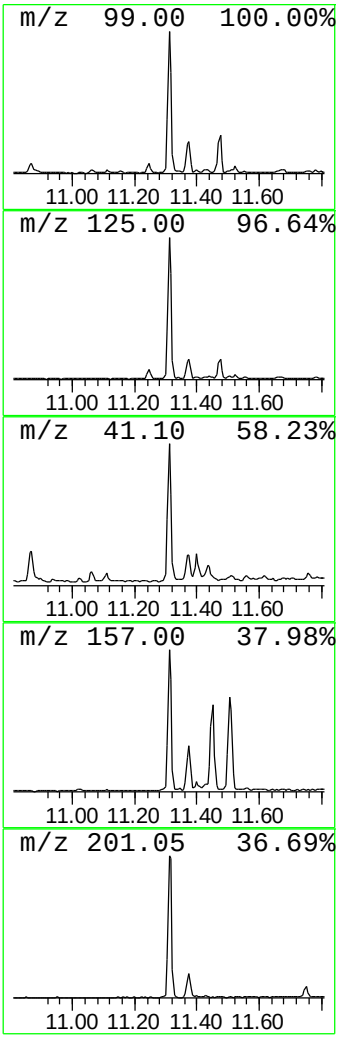
****

Peak Number 4 2-Propanol, 1-chloro-, phos... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	3.99 ng/ul	808546	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	91
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	53
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	35
4	Cyclopropanecarbohydrazide, 2,2,...	277	C14H19N3O3	329069-29-6	22
5	Triisopropylphosphate	224	C9H21O4P	000513-02-0	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

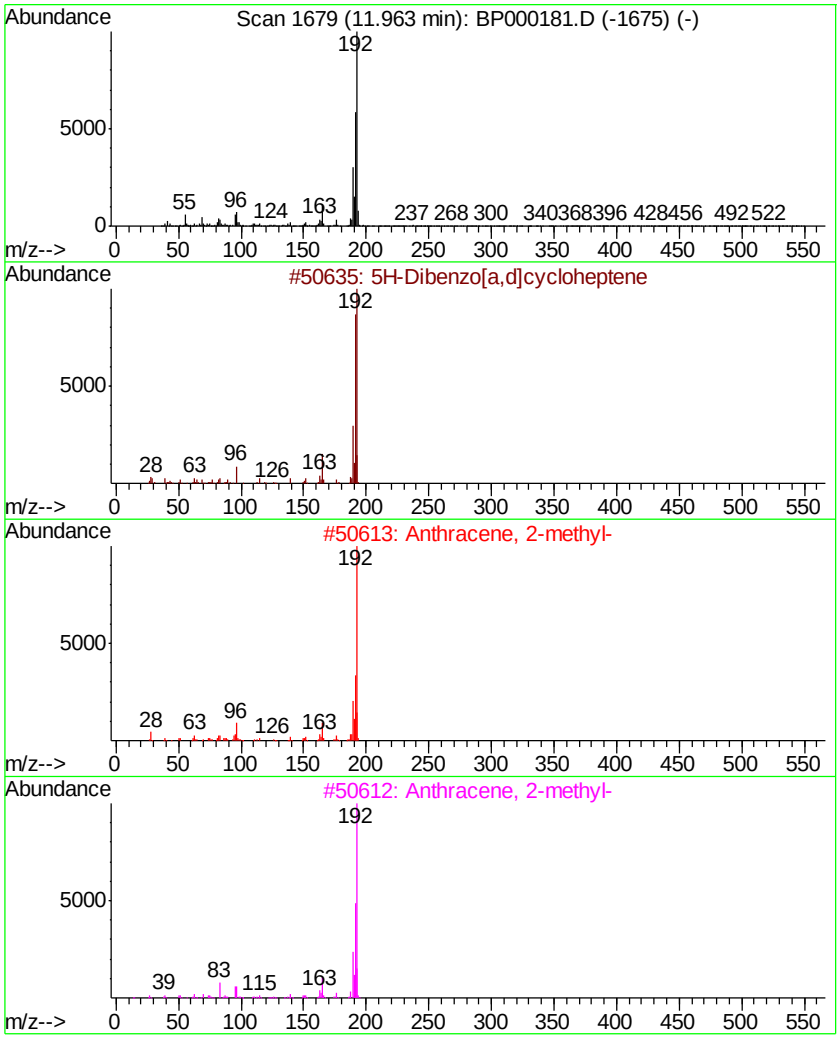
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

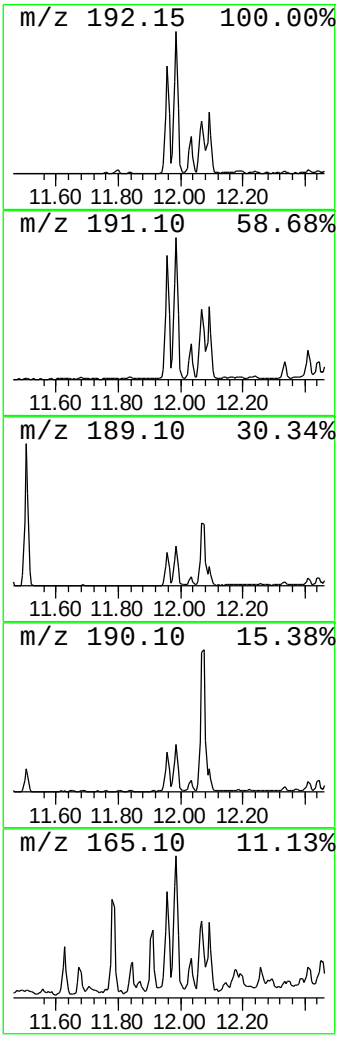
****

Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.97 ng/ul	601953	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

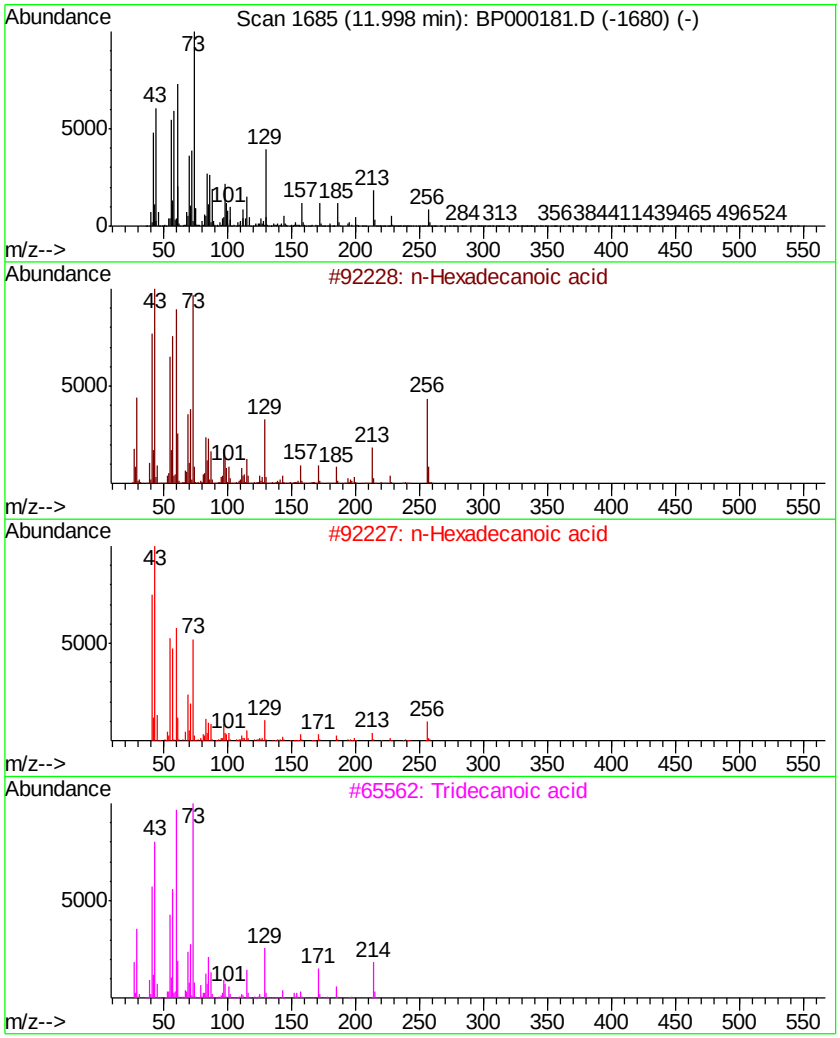
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

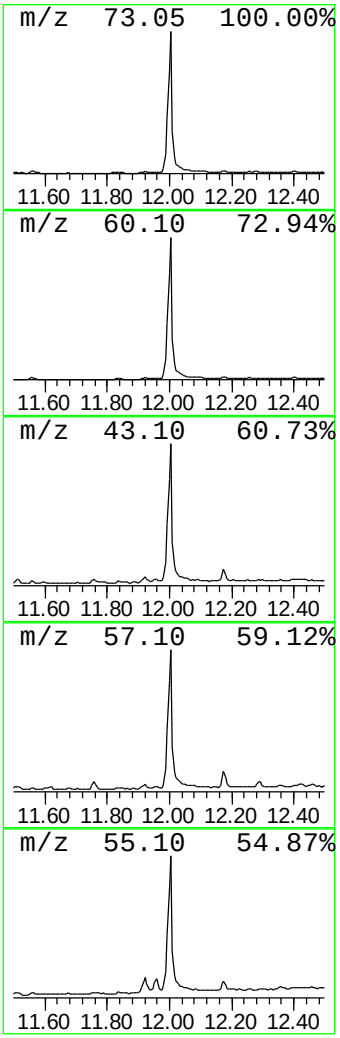
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	15.41 ng/ul	3123750	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

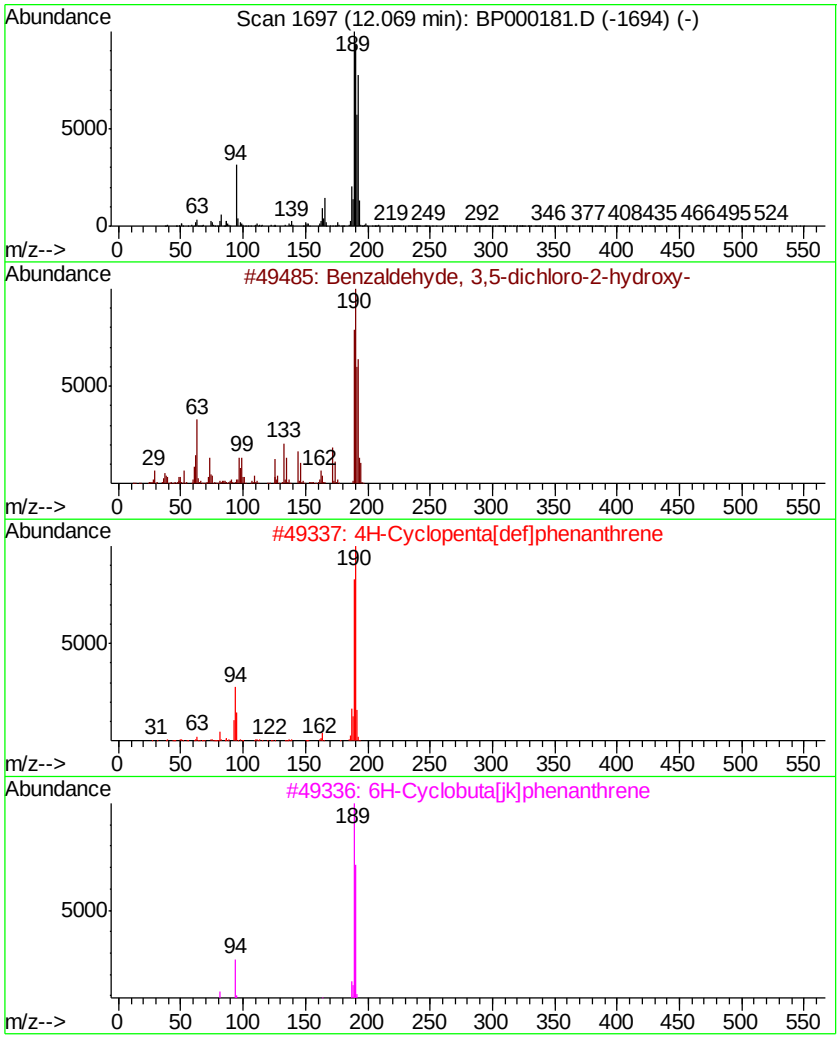
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

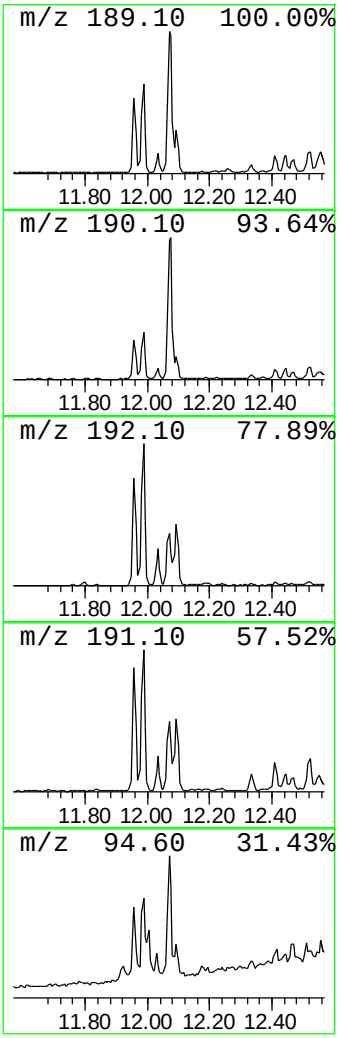
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.62 ng/ul	734142	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

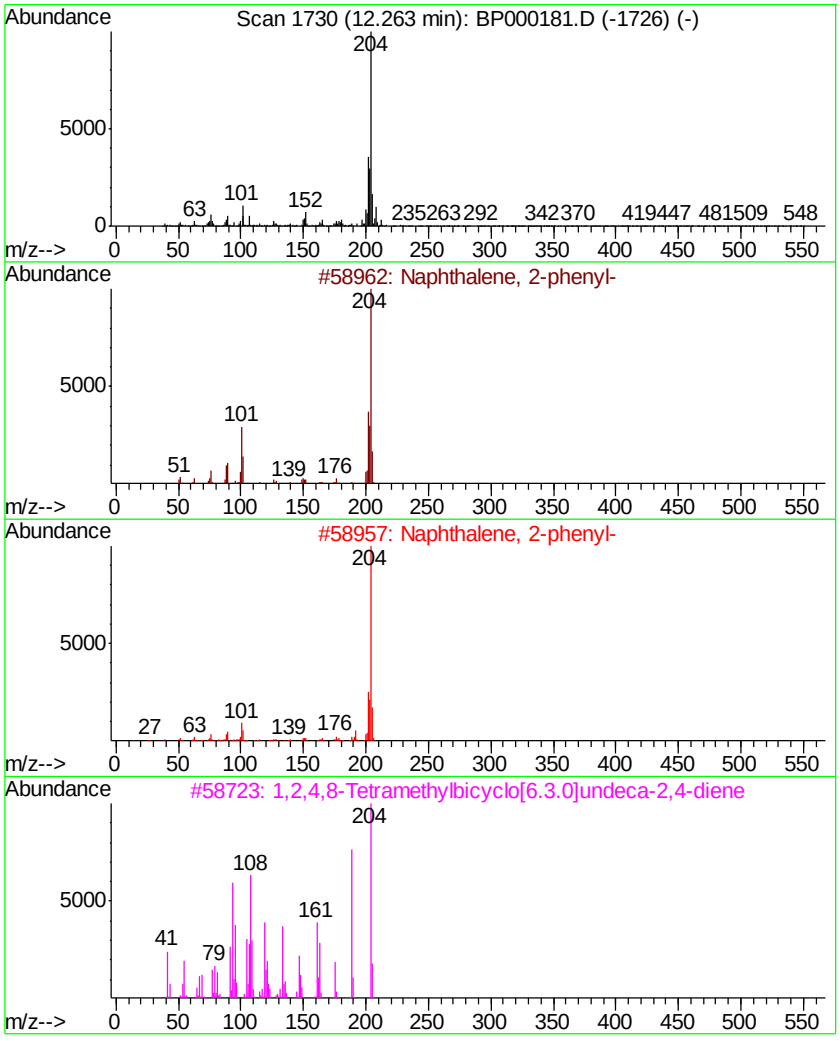
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

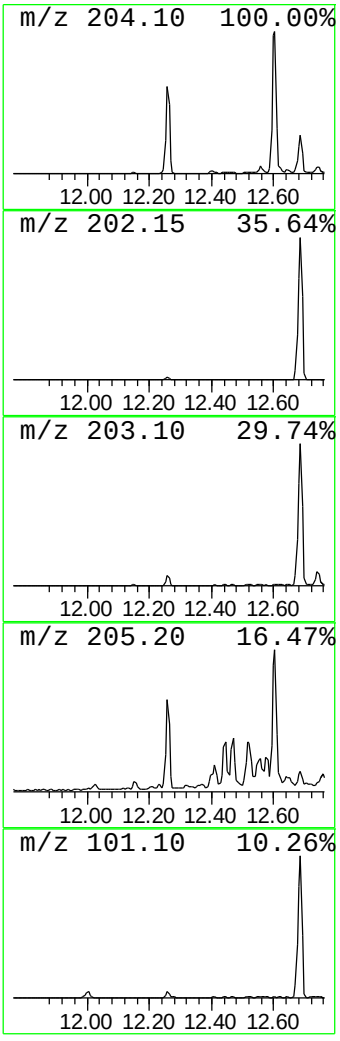
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.79 ng/ul	565442	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

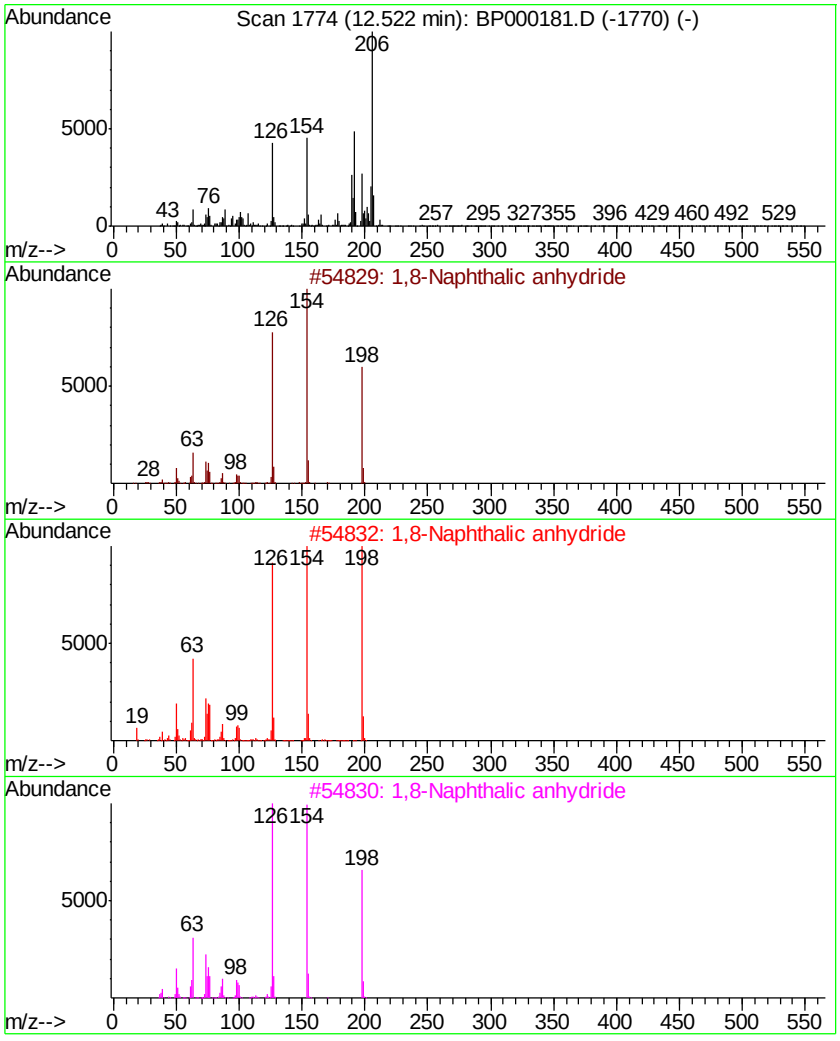
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

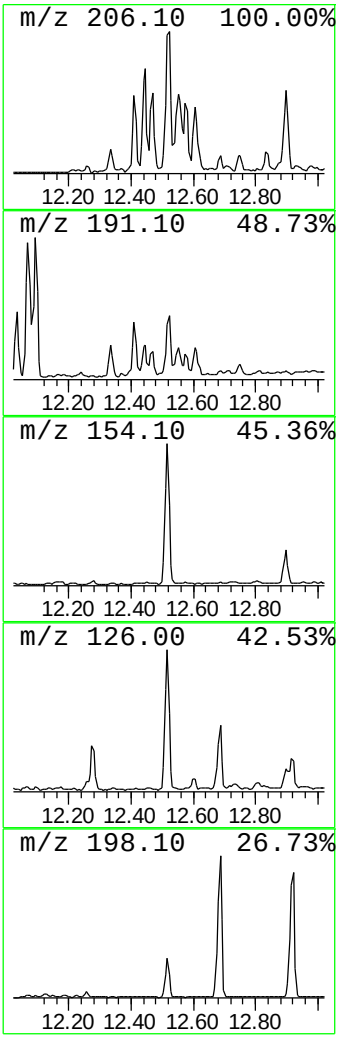
****

Peak Number 10 1,8-Naphthalic anhydride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.49 ng/ul	504543	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
2	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	95
3	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	95
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

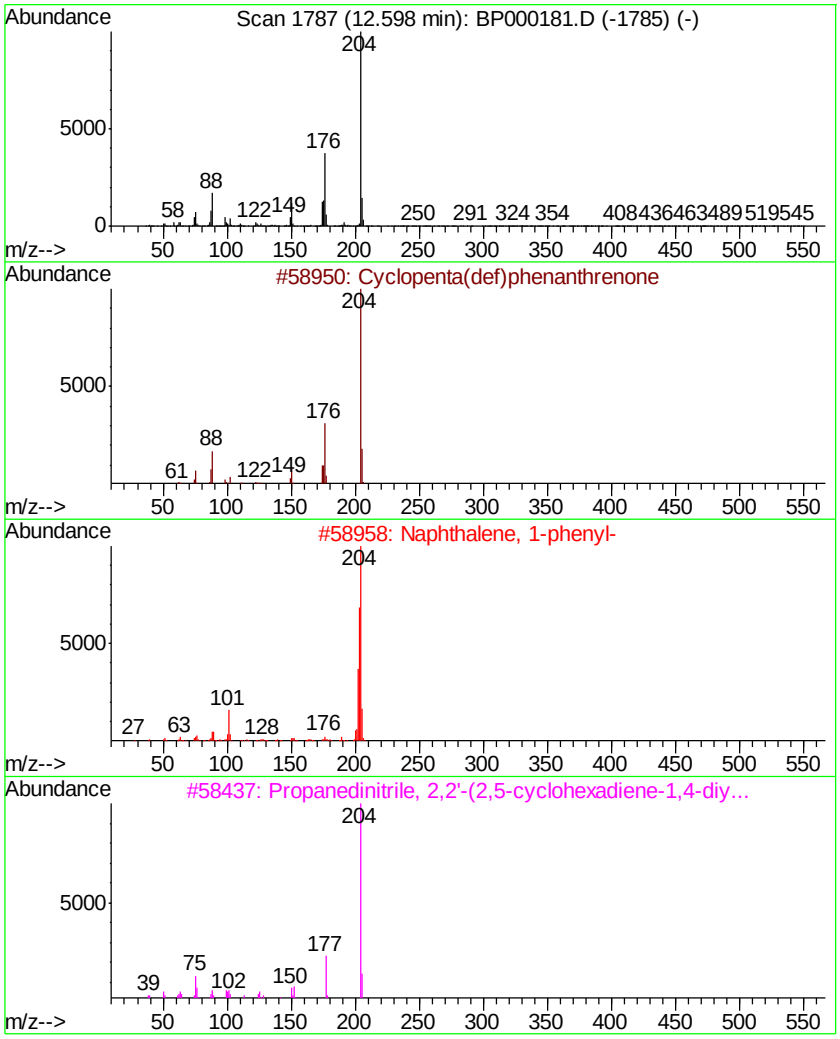
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

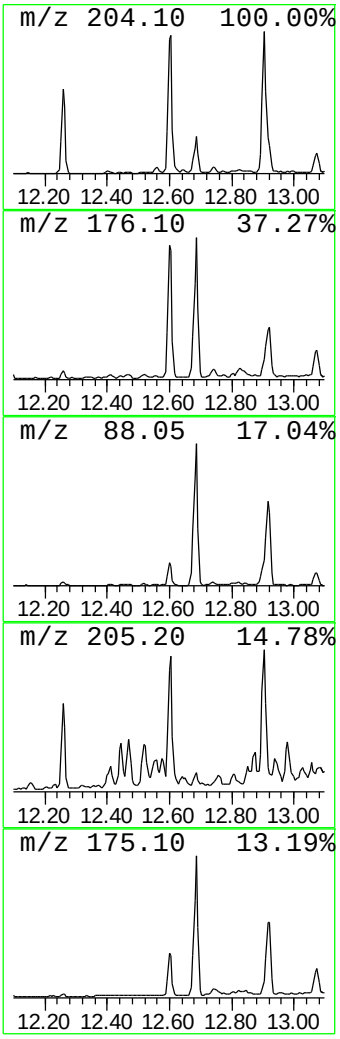
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	3.46 ng/ul	700491	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
3	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

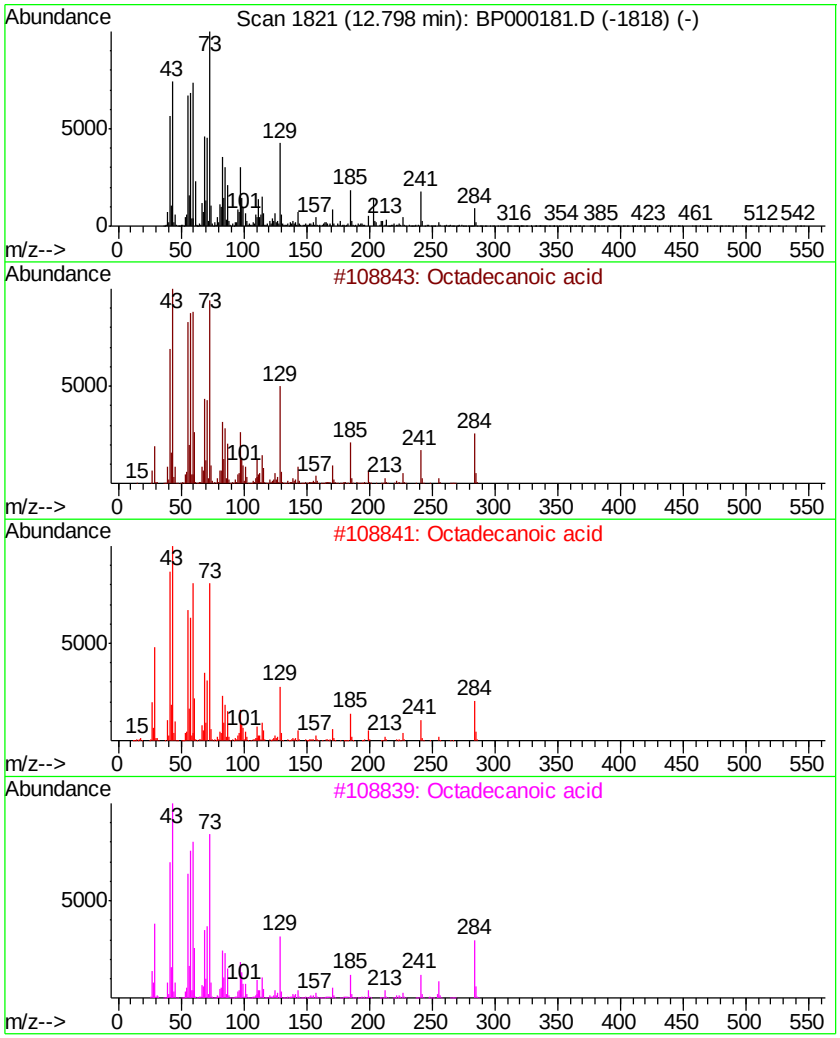
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

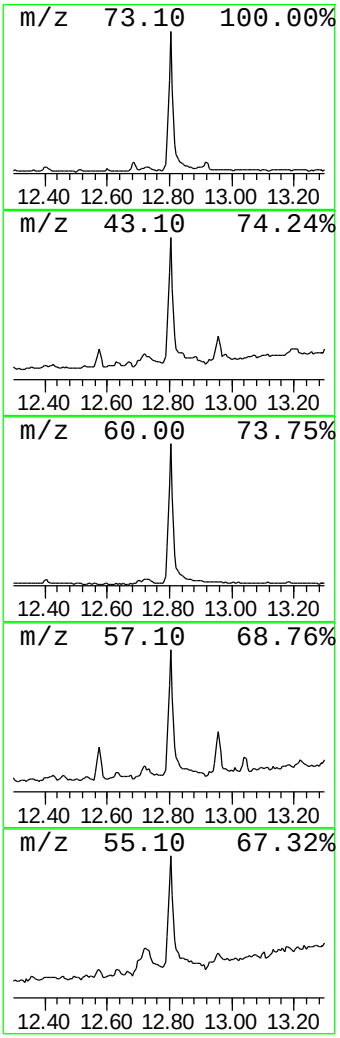
****

Peak Number 12 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	2.57 ng/ul	1381010	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

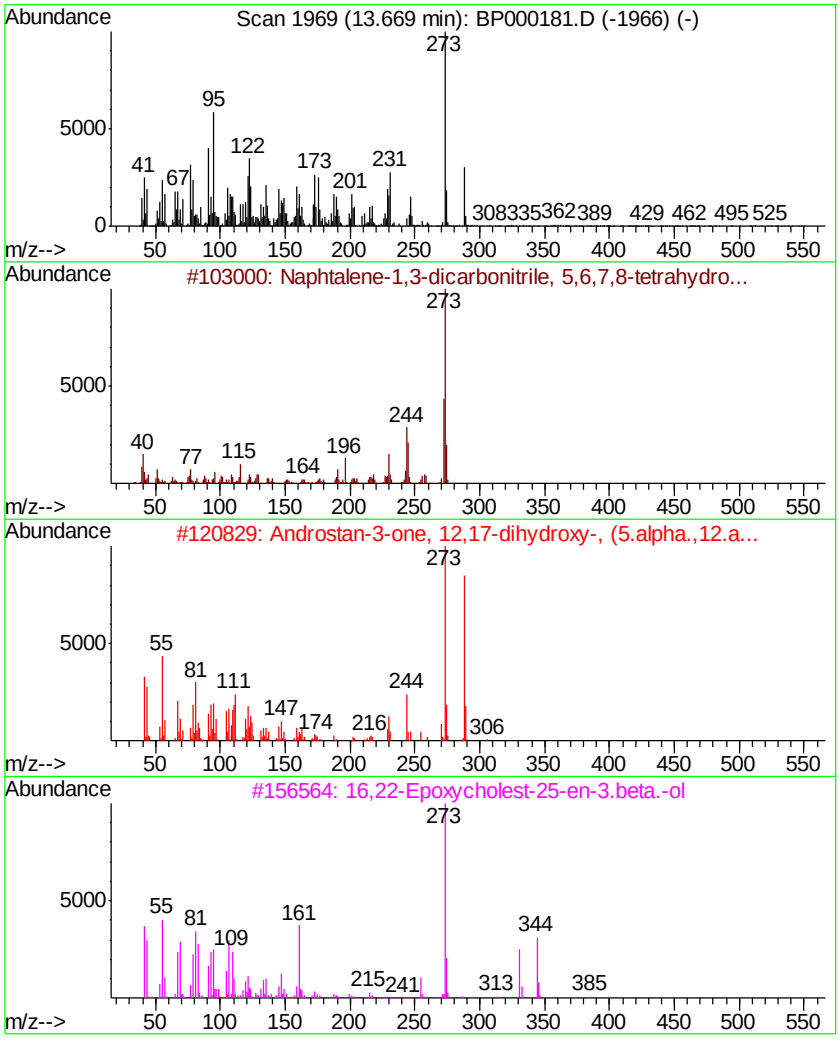
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

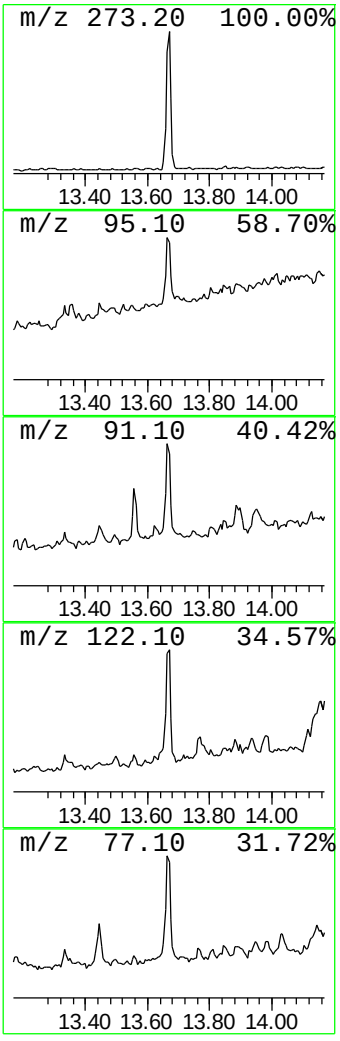
****

Peak Number 13 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.24 ng/ul	1201390	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtalene-1,3-dicarbonitrile, 5...	274	C18H14N2O	1000259-78-7	38
2	Androstan-3-one, 12,17-dihydroxy...	306	C19H30O3	053604-42-5	38
3	16,22-Epoxycholest-25-en-3.beta.-ol	400	C27H44O2	1000252-82-0	38
4	Phosphoric acid, dimethyl(4-meth...	288	C13H21O5P	094444-80-1	38
5	2-Acetylphenothiazine 5,5-dioxide	273	C14H11NO3S	1000257-40-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

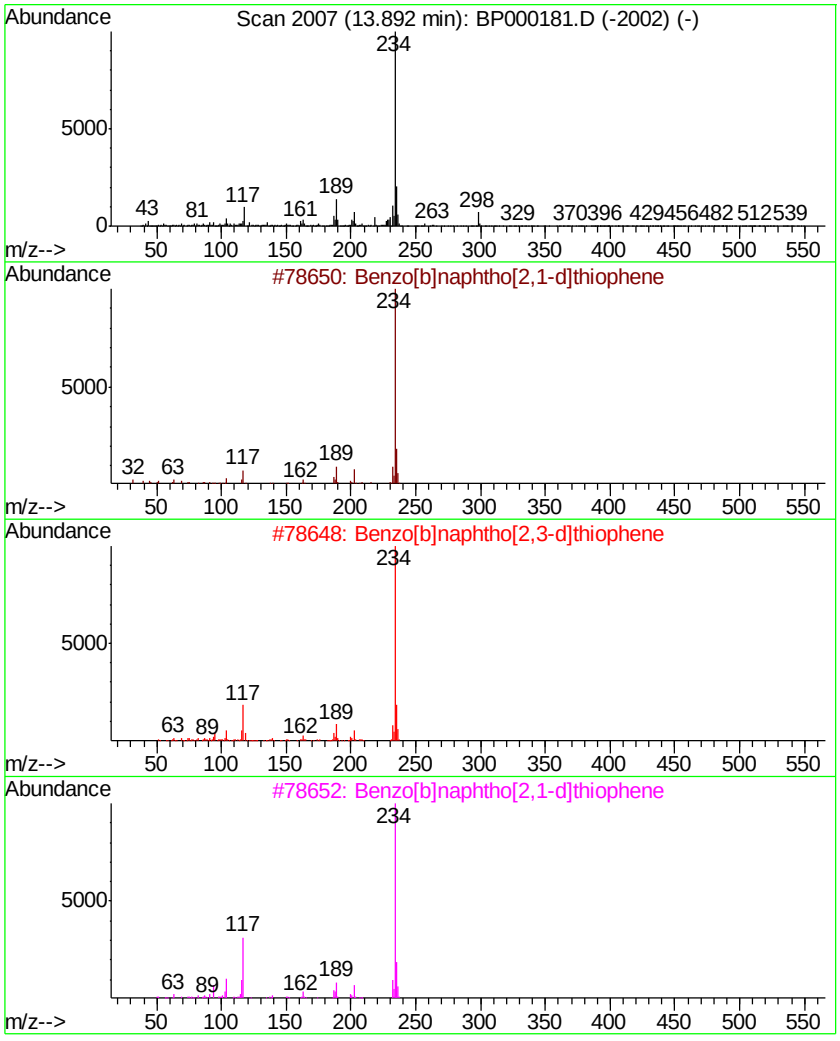
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

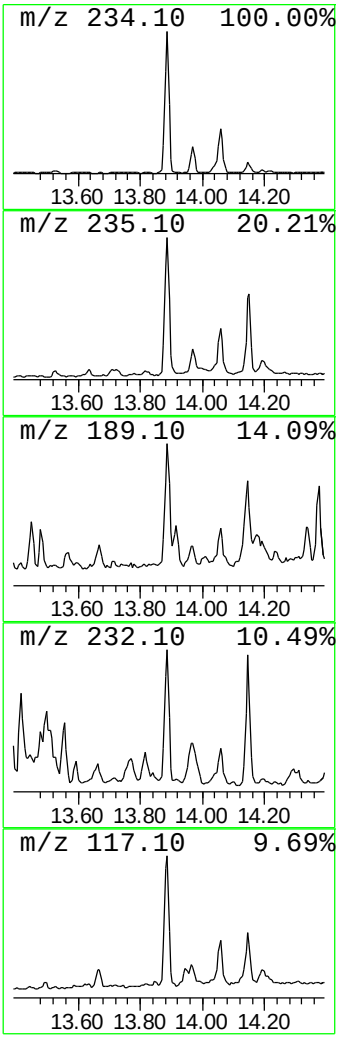
****

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.26 ng/ul	1754210	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

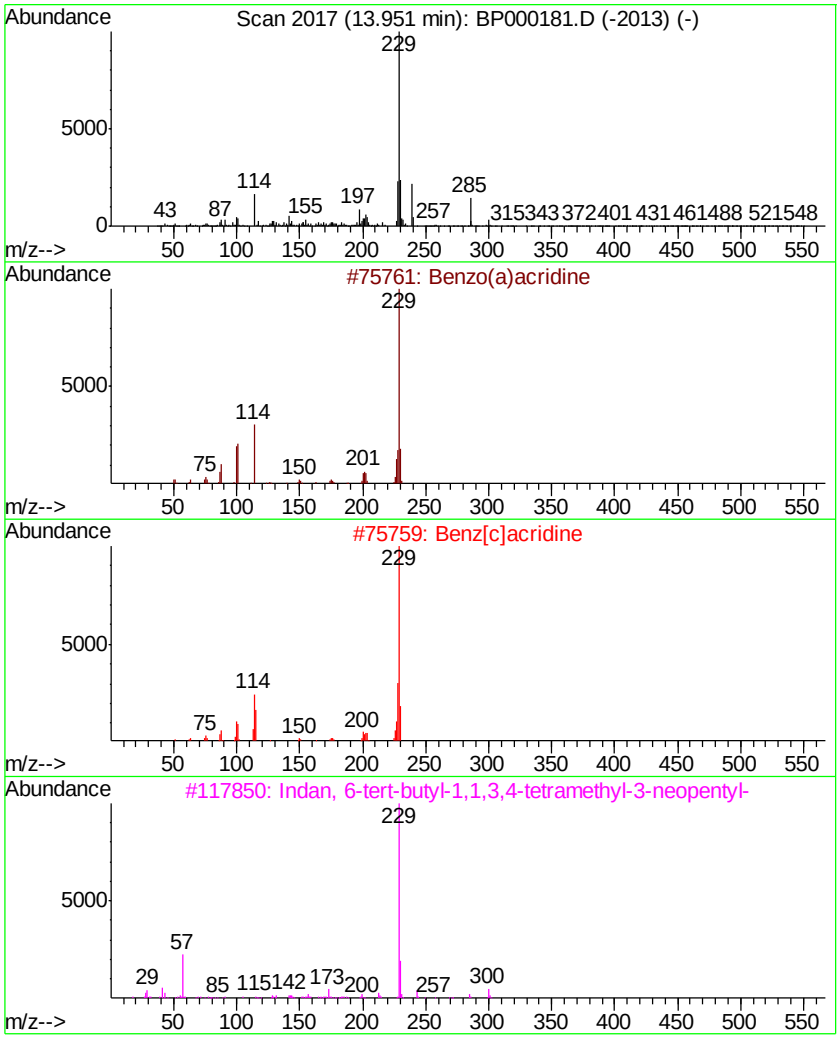
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

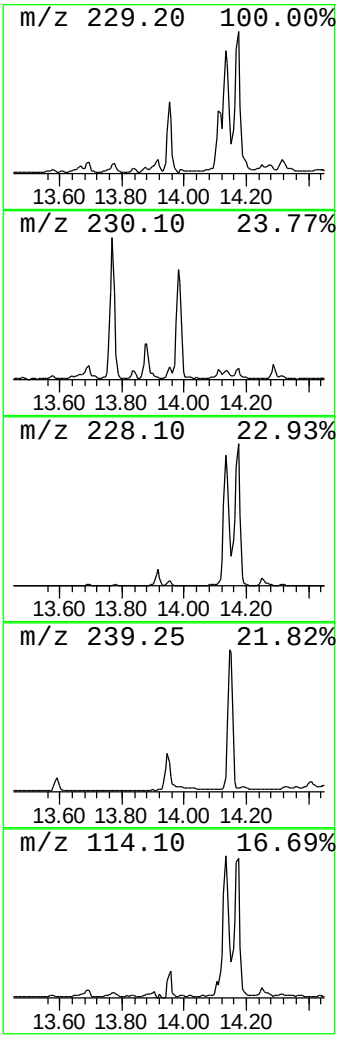
****

Peak Number 16 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.37 ng/ul	1274990	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	45
2	Benz[c]acridine	229	C17H11N	000225-51-4	38
3	Indan, 6-tert-butyl-1,1,3,4-tetr...	300	C22H36	029577-23-9	35
4	Pyridine-3-carbonitrile, 4-methy...	230	C12H10N2OS	1000264-04-1	30
5	Tetralin, 6-acetyl-8-isopropyl-2...	244	C17H24O	1000155-43-5	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

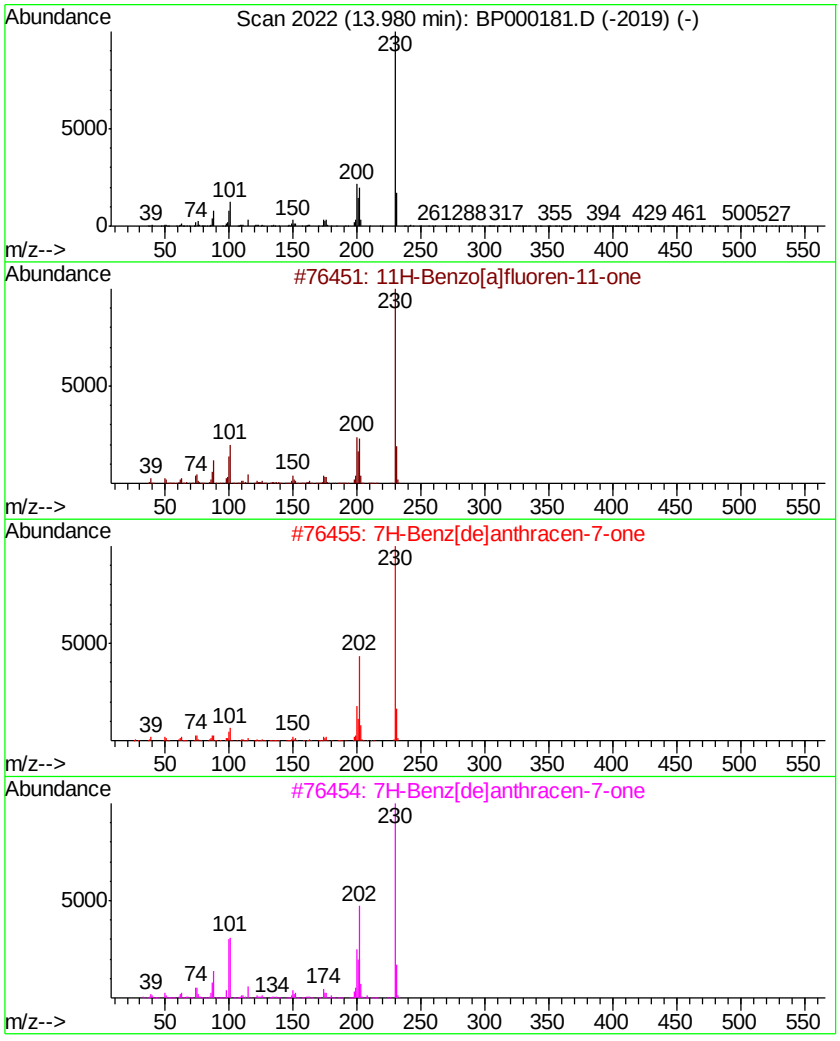
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

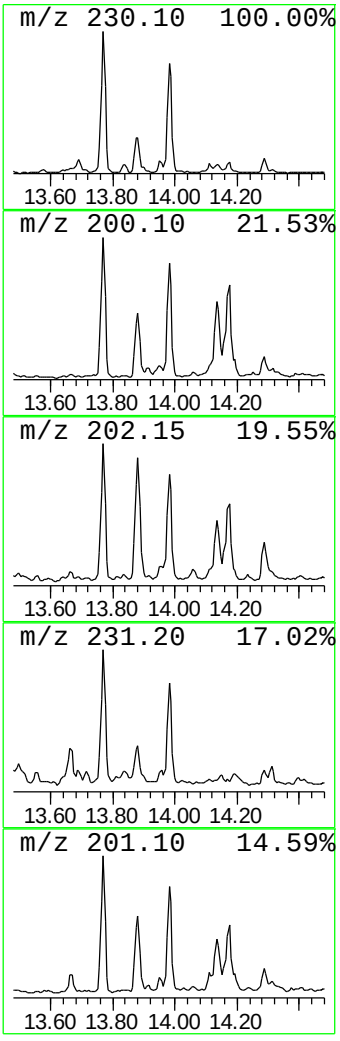
****

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.15 ng/ul	1157490	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	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

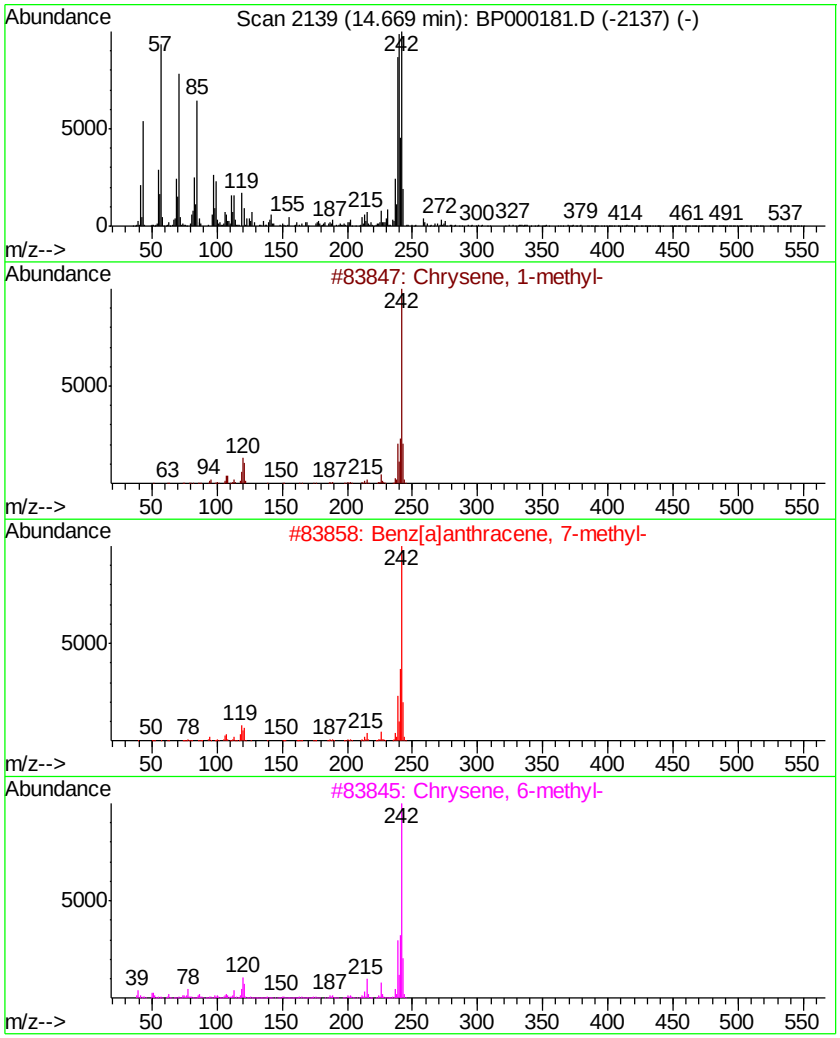
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

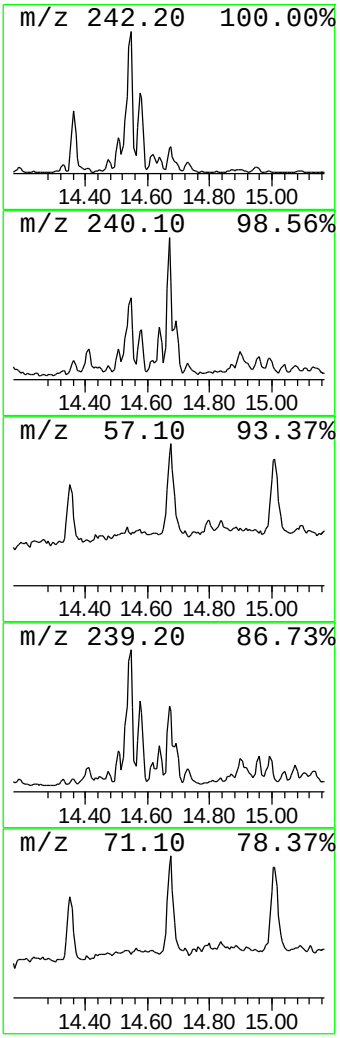
****

Peak Number 18 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	2.36 ng/ul	1269320	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	43
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	38
3	Chrysene, 6-methyl-	242	C19H14	003697-24-3	38
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	38
5	Benzo[c]phenanthrene, 1-methyl-	242	C19H14	004076-39-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091019\
Data File : BP000181.D
Acq On : 10 Sep 2019 21:51
Operator : HP/JU
Sample : K4634-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : F2D31

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.17	126.0	ng/ul	16638100	1	6.89	2641270	20.0
9H-Fluoren-9-one	11.25	3.5	ng/ul	702318	4	11.45	4053910	20.0
2-Propanol, 1-chl...	11.31	4.0	ng/ul	808546	4	11.45	4053910	20.0
5H-Dibenzo[a,d]cy...	11.96	3.0	ng/ul	601953	4	11.45	4053910	20.0
n-Hexadecanoic acid	12.00	15.4	ng/ul	3123750	4	11.45	4053910	20.0
Benzaldehyde, 3,5...	12.07	3.6	ng/ul	734142	4	11.45	4053910	20.0
Naphthalene, 2-ph...	12.26	2.8	ng/ul	565442	4	11.45	4053910	20.0
1,8-Naphthalic an...	12.52	2.5	ng/ul	504543	4	11.45	4053910	20.0
Cyclopenta(def)ph...	12.60	3.5	ng/ul	700491	4	11.45	4053910	20.0
Octadecanoic acid	12.80	2.6	ng/ul	1381010	5	14.15	10747100	20.0
unknown-01	13.67	2.2	ng/ul	1201390	5	14.15	10747100	20.0
Benzo[b]naphtho[2...	13.89	3.3	ng/ul	1754210	5	14.15	10747100	20.0
unknown-02	13.95	2.4	ng/ul	1274990	5	14.15	10747100	20.0
11H-Benzo[a]fluor...	13.98	2.1	ng/ul	1157490	5	14.15	10747100	20.0
unknown-03	14.67	2.4	ng/ul	1269320	5	14.15	10747100	20.0