LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.213	485	489	494	rVB	180892	194579	4.88%	0.322%
2	5.607	549	556	559	rBV	1764756	1527669	38.35%	2.530%
3	6.607	722	726	729	rBV	1853880	1569012	39.39%	2.598%
4	6.754	747	751	754	rBV	2045725	1634869	41.04%	2.707%
5	6.984	786	790	794	rBV	1323640	1057964	26.56%	1.752%
6	7.142	813	817	820	rVB	1423472	1264421	31.74%	2.094%
7	7.542	881	885	889	rBV	1129037	995376	24.99%	1.648%
8	8.272	1005	1009	1011	rVV	1419128	1357841	34.09%	2.248%
9	8.289	1011	1012	1015	rVB	309043	173160	4.35%	0.287%
10	8.984	1126	1130	1132	rBV	232400	187542	4.71%	0.311%
11	9.084	1142	1147	1153	rVB	236141	233005	5.85%	0.386%
12	9.342	1184	1191	1194	rBV	2295034	1940583	48.72%	3.213%
13	9.448	1206	1209	1212	rVB2	196298	181105	4.55%	0.300%
14	9.607	1232	1236	1240	rVV4	112543	166720	4.19%	0.276%
15	9.684	1246	1249	1251	rVV	231956	222364	5.58%	0.368%
16	9.713	1251	1254	1255	rVV	118705	113228	2.84%	0.187%
17	9.736	1255	1258	1262	rVV	361824	381807	9.59%	0.632%
18	9.801	1266	1269	1274	rVB2	123523	148355	3.72%	0.246%
19	9.889	1278	1284	1288	rBV	445777	421541	10.58%	0.698%
20	10.007	1301	1304	1305	rBV3	80752	86630	2.17%	0.143%
21	10.031	1305	1308	1311	rVV	1697808	1432504	35.96%	2.372%
22	10.060	1311	1313	1316	rVV	451646	369600	9.28%	0.612%
23	10.131	1321	1325	1329	rBV6	77901	113819	2.86%	0.188%
24	10.172	1329	1332	1335	rBV5	49163	82275	2.07%	0.136%
25	10.231	1339	1342	1346	rVV2	385353	383644	9.63%	0.635%
26	10.266	1346	1348	1352	rVV4	116282	104081	2.61%	0.172%
27	10.342	1357	1361	1364	rBV4	134886	160237	4.02%	0.265%
28	10.372	1364	1366	1372	rVB2	103620	97992	2.46%	0.162%
29	10.436	1372	1377	1381	rBV7	135257	225305	5.66%	0.373%
30	10.548	1394	1396	1398	rBV3	56264	62336	1.56%	0.103%
31	10.578	1398	1401	1407	rVV	886338	762799	19.15%	1.263%
32	10.660	1413	1415	1418	rVV3	191577	196644	4.94%	0.326%
33	10.689	1418	1420	1422	rVV3	61628	65337	1.64%	0.108%
34	10.713	1422	1424	1426	rVV3	73298	86023	2.16%	0.142%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.736	1426	1428	1431	rVB	130565	110851	2.78%	0.184%
36	10.819	1438	1442	1446	rVB2	1352072	1238431	31.09%	2.051%
37	10.930	1457	1461	1469	rVB6	214432	402791	10.11%	0.667%
38	11.130	1489	1495	1497	rBV4	203582	274821	6.90%	0.455%
39	11.154	1497	1499	1502	rVV3	144886	154373	3.88%	0.256%
40	11.213	1506	1509	1511	rVB2	142758	139263	3.50%	0.231%
41	11.254	1511	1516	1518	rBV6	97676	173736	4.36%	0.288%
42	11.278	1518	1520	1525	rVV6	126962	175192	4.40%	0.290%
43	11.325	1526	1528	1532	rVV4	138279	149090	3.74%	0.247%
44	11.366	1532	1535	1538	rVV3	239778	255203	6.41%	0.423%
45	11.395	1538	1540	1542	rVV2	227617	221928	5.57%	0.367%
46	11.419	1542	1544	1548	rVB	346377	298734	7.50%	0.495%
47	11.525	1558	1562	1564	rBV	1507014	1459381	36.64%	2.416%
48	11.554	1564	1567	1570	rVV	3476706	3066428	76.98%	5.077%
49	11.601	1570	1575	1578	rVV	1344517	1203108	30.20%	1.992%
50	11.630	1578	1580	1586	rVB4	158086	199187	5.00%	0.330%
51	11.677	1586	1588	1591	rBV4	85010	98356	2.47%	0.163%
52	11.754	1598	1601	1604	rBV	312745	303544	7.62%	0.503%
53	11.795	1606	1608	1610	rVV	168849	122521	3.08%	0.203%
54	11.813	1610	1611	1614	rVV2	97144	79125	1.99%	0.131%
55	11.854	1616	1618	1623	rVB2	134185	131735	3.31%	0.218%
56	11.895	1623	1625	1629	rVB2	246874	226219	5.68%	0.375%
57	11.936	1629	1632	1634	rBV3	109014	119551	3.00%	0.198%
58	12.025	1644	1647	1650	rBV	619939	626735	15.73%	1.038%
59	12.054	1650	1652	1656	rVB	848628	686808	17.24%	1.137%
60	12.101	1656	1660	1663	rBV	380398	382141	9.59%	0.633%
61	12.142	1663	1667	1669	rBV2	1053626	1119970	28.12%	1.854%
62	12.201	1675	1677	1680	rBV2	168430	174459	4.38%	0.289%
63	12.319	1694	1697	1700	rBV	417747	345045	8.66%	0.571%
64	12.348	1700	1702	1708	rVB4	168283	173611	4.36%	0.287%
65	12.472	1721	1723	1725	rBV2	113921	95352	2.39%	0.158%
66	12.501	1726	1728	1730	rVB	163113	93333	2.34%	0.155%
67	12.524	1730	1732	1734	rVB	163354	123512	3.10%	0.205%
68	12.589	1737	1743	1745	rBV3	1273460	1538504	38.62%	2.547%
69	12.607	1745	1746	1750	rVV3	879794	713710	17.92%	1.182%
70	12.666	1753	1756	1759	rBV2	192090	207406	5.21%	0.343%
71	12.748	1765	1770	1773	rBV	3627336	3630622	91.15%	6.012%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.783	1773	1776	1778	rVV2	153815	150294	3.77%	0.249%
73	12.807	1778	1780	1782	rVV2	153653	146355	3.67%	0.242%
74	12.836	1782	1785	1787	rVB	239630	199367	5.01%	0.330%
75	12.895	1792	1795	1797	rBV	196645	168761	4.24%	0.279%
76	12.983	1803	1810	1814	rBV2	2908959	3983301	100.00%	6.596%
77	13.019	1814	1816	1820	rVB2	301378	329995	8.28%	0.546%
78	13.107	1825	1831	1834	rBV2	1739055	1766751	44.35%	2.925%
79	13.130	1834	1835	1838	rVB	232825	195654	4.91%	0.324%
80	13.189	1840	1845	1848	rBV3	381931	667090	16.75%	1.105%
81	13.301	1861	1864	1866	rVB2	868393	753837	18.92%	1.248%
82	13.366	1872	1875	1878	rVB	757225	635185	15.95%	1.052%
83	13.407	1878	1882	1884	rBV2	508776	545052	13.68%	0.902%
84	13.501	1895	1898	1900	rBV	283233	223839	5.62%	0.371%
85	13.530	1900	1903	1906	rBV	338095	340603	8.55%	0.564%
86	13.783	1943	1946	1948	rBV4	174911	190481	4.78%	0.315%
87	13.924	1968	1970	1972	rVB	284897	210693	5.29%	0.349%
88	13.948	1972	1974	1976	rBV	305221	229623	5.76%	0.380%
89	13.989	1976	1981	1984	rBV3	420056	685885	17.22%	1.136%
90	14.171	2008	2012	2015	rBV3	2067222	2965828	74.46%	4.911%
91	14.207	2015	2018	2023	rVB	1717425	1705076	42.81%	2.823%
92	14.283	2029	2031	2033	rBV	408888	343287	8.62%	0.568%
93	14.560	2076	2078	2081	rVB	397442	301759	7.58%	0.500%
94	14.595	2082	2084	2086	rVB	230470	154865	3.89%	0.256%
95	14.695	2098	2101	2102	rBV2	240965	235567	5.91%	0.390%
96	14.713	2102	2104	2109	rVB4	362066	342980	8.61%	0.568%
97	15.265	2193	2198	2200	rBV	993276	1620575	40.68%	2.683%
98	15.589	2250	2253	2259	rVB	609761	824225	20.69%	1.365%
99	15.654	2260	2264	2269	rVB	917496	1268327	31.84%	2.100%
100	15.718	2272	2275	2279	rVB	521151	693300	17.41%	1.148%

Sum of corrected areas: 60393698

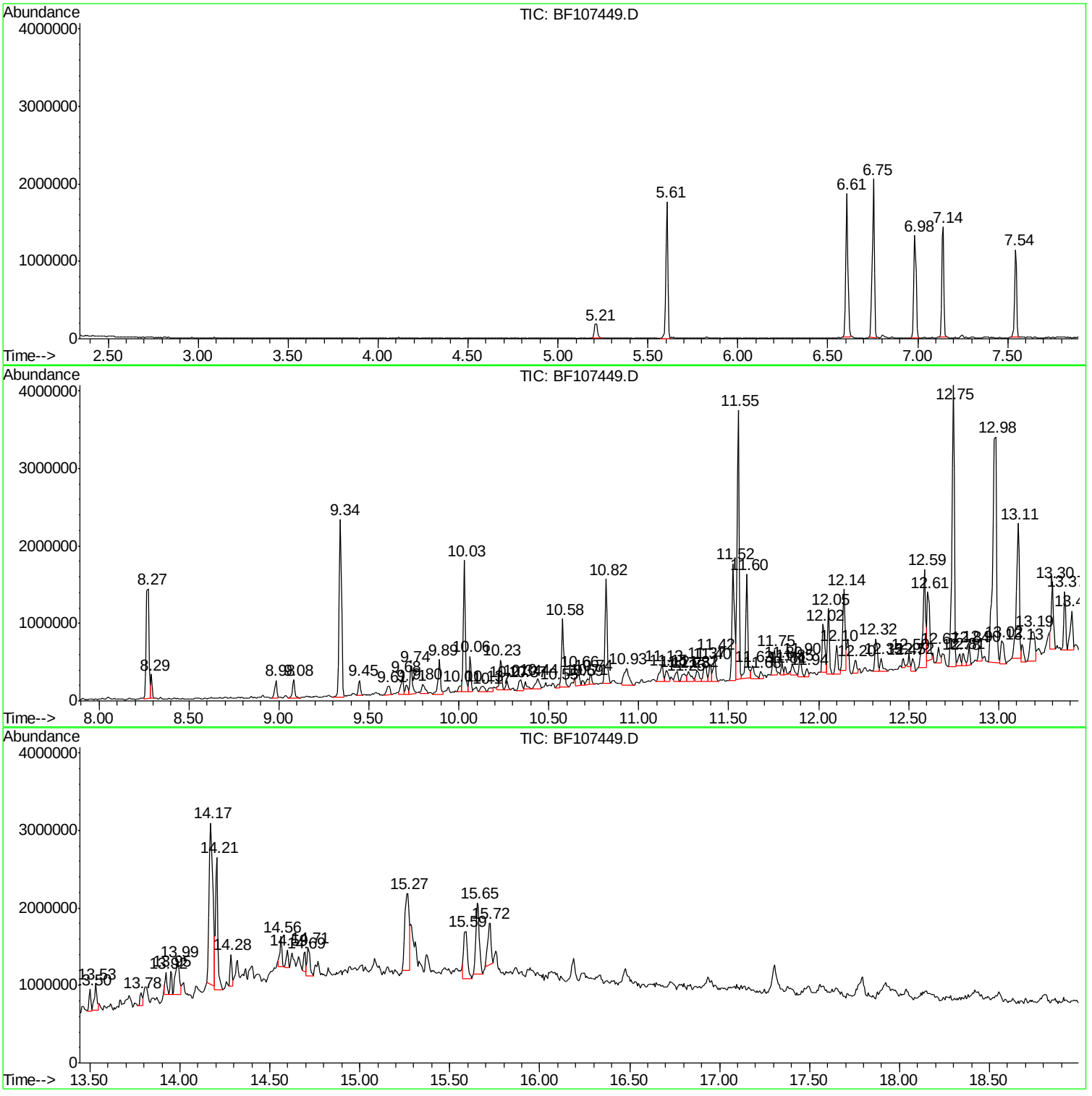
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

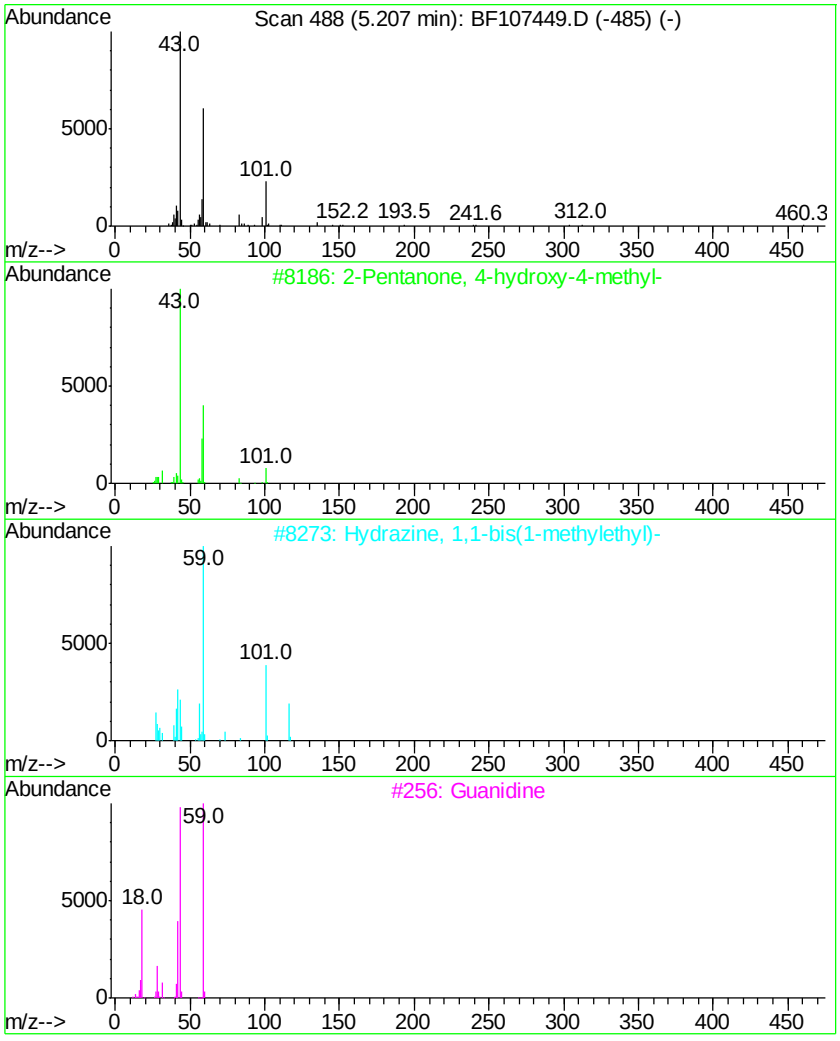
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

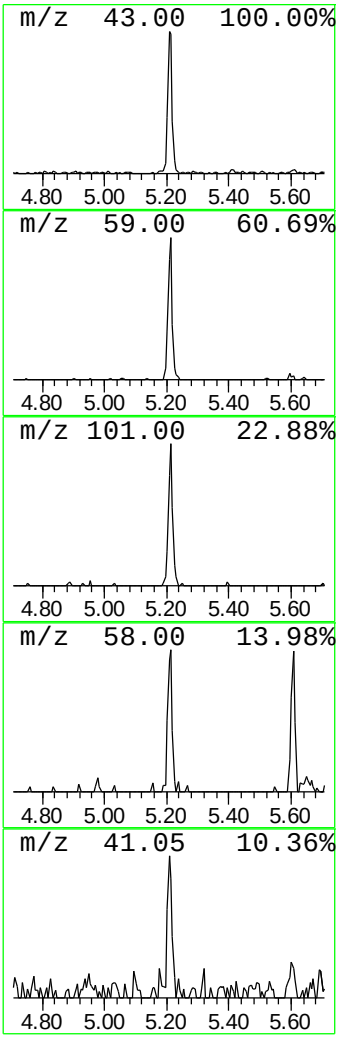
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	3.68 ng	194579	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	53
3	Guanidine	59	CH5N3	000113-00-8	50
4	Dimethadione	129	C5H7NO3	000695-53-4	38
5	2-Octanol, 2-methyl-	144	C9H20O	000628-44-4	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

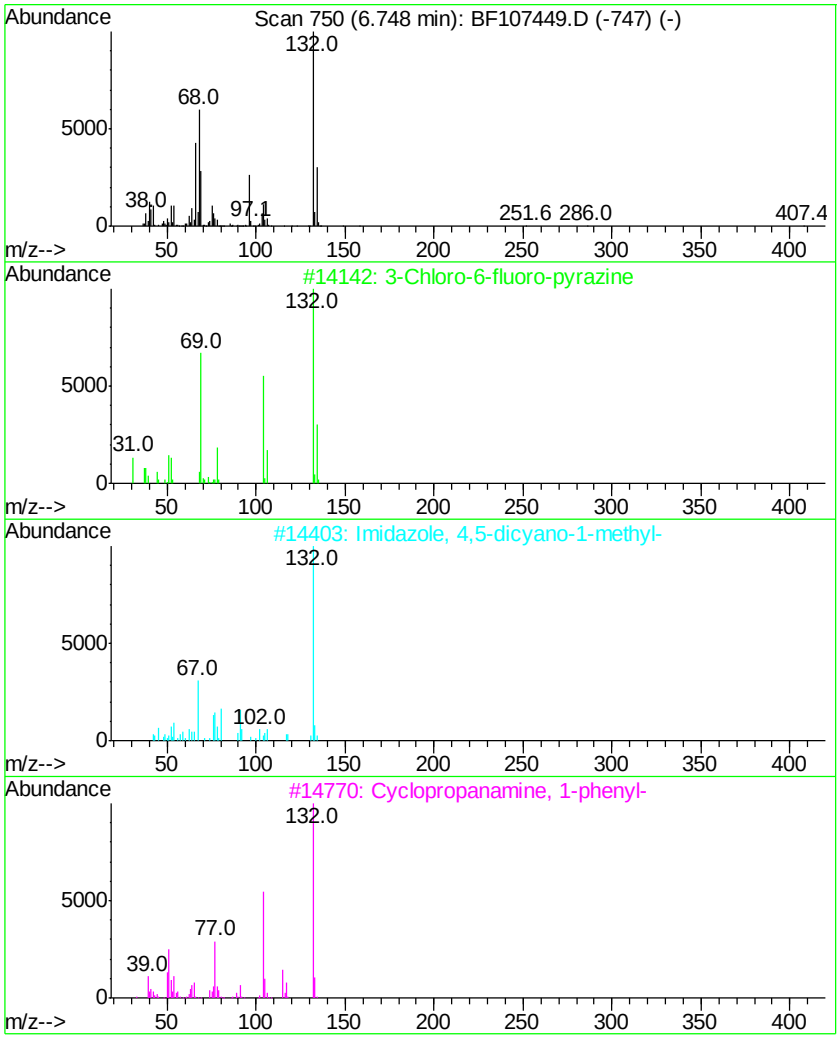
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

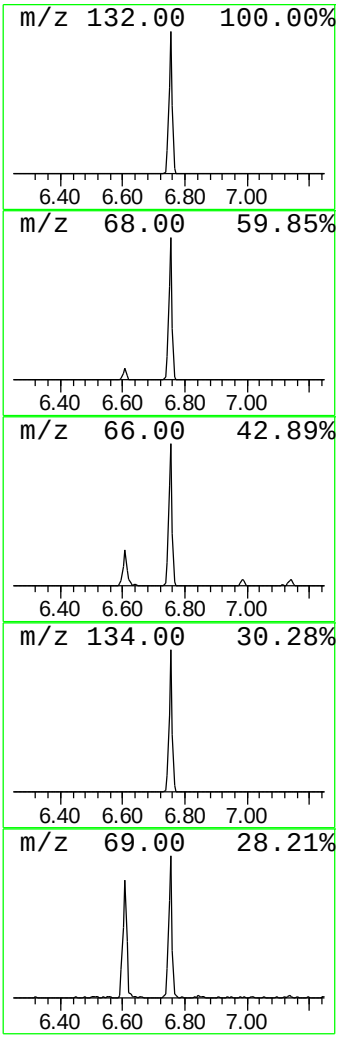
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	30.91 ng	1634870	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
2	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	18
3	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13
5	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

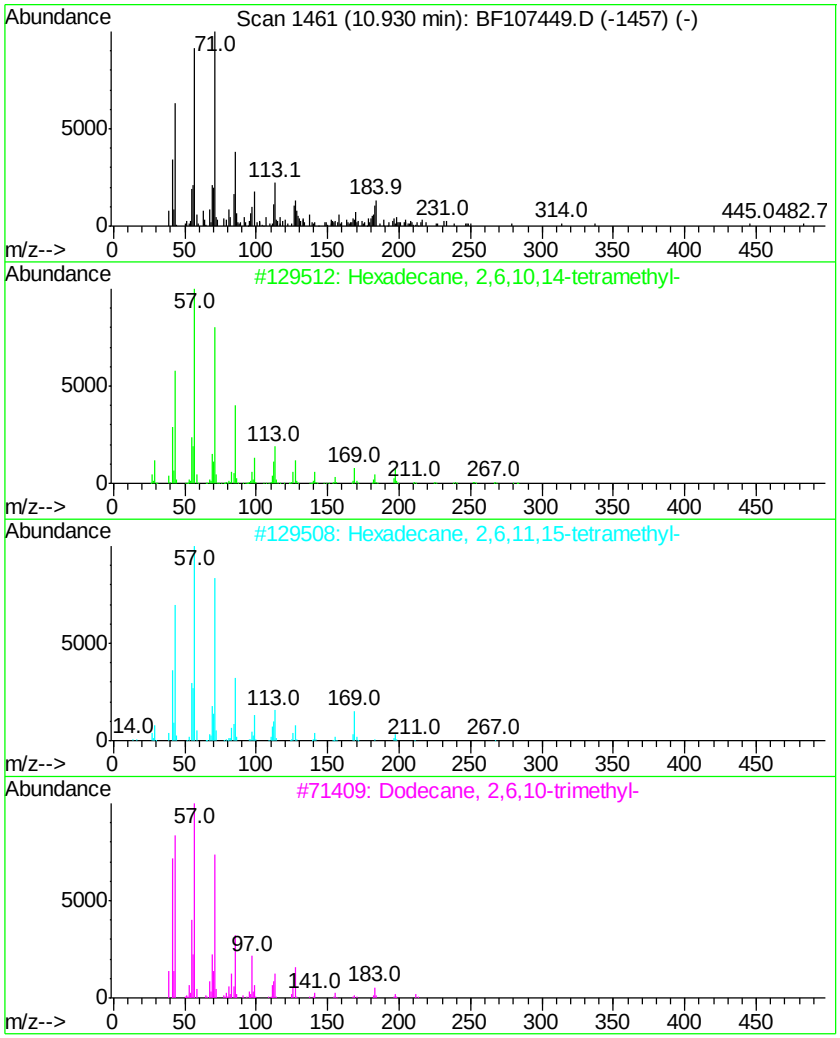
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

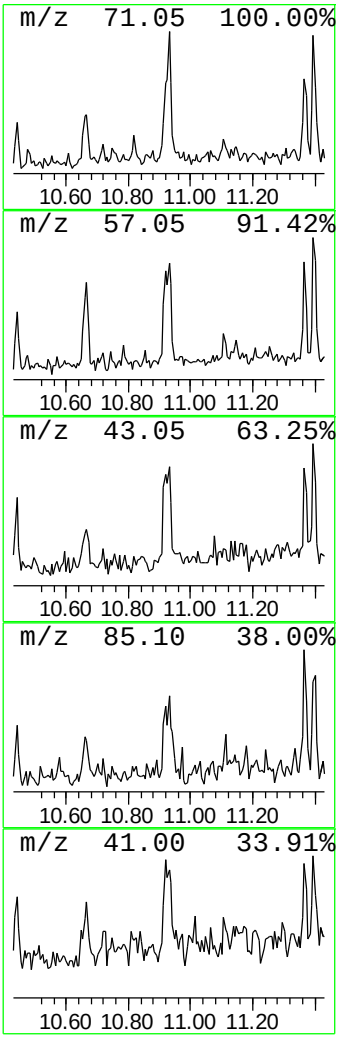
****

Peak Number 4 Hexadecane, 2,6,10,14-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	5.52 ng	402791	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Octadecane, 4-methyl-	268	C19H40	010544-95-3	53
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

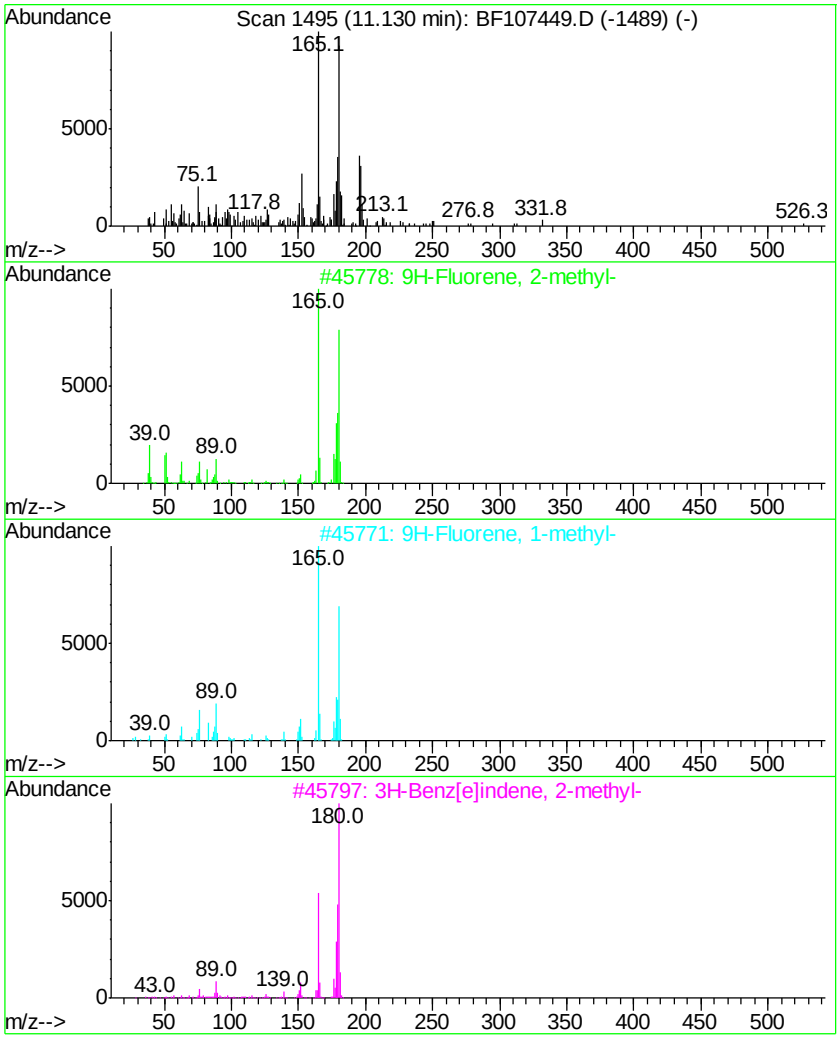
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

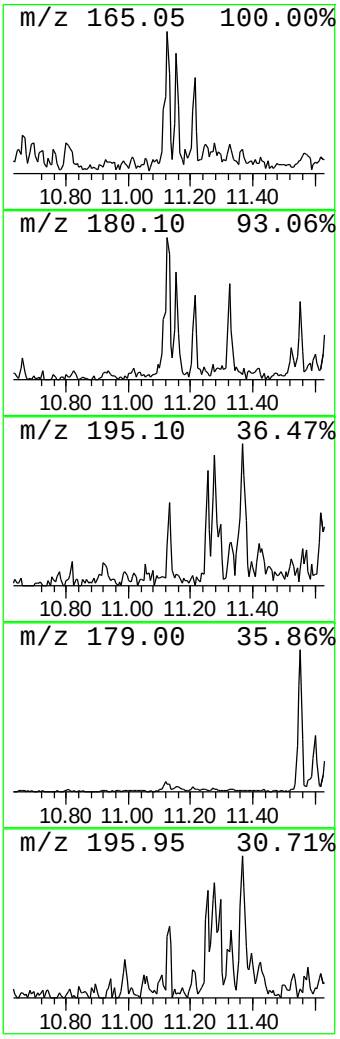
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	3.77 ng	274821	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
3	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	64
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	60
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

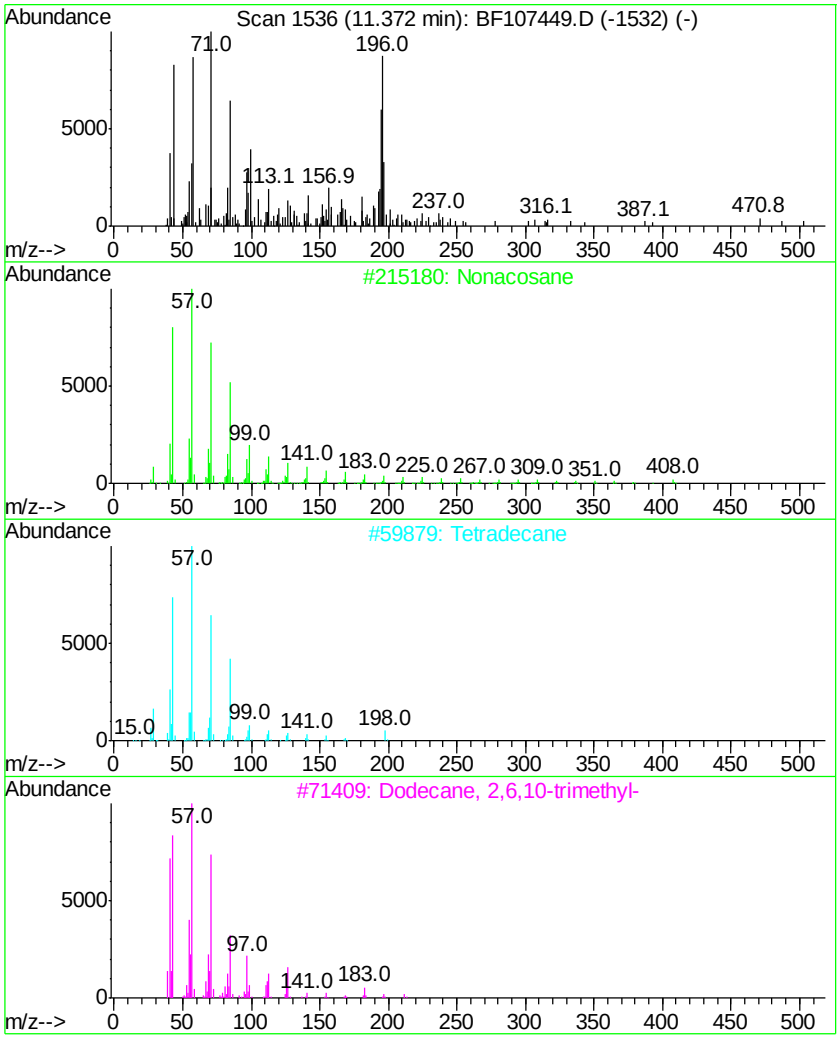
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

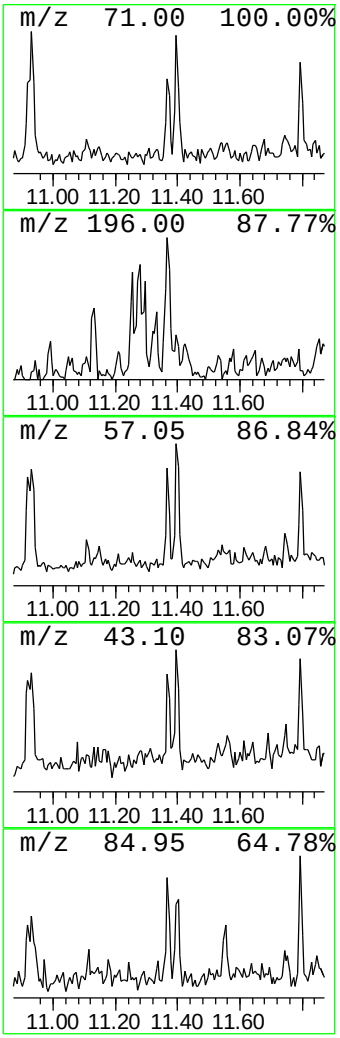
****

Peak Number 6 unknown11.37 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	3.50 ng	255203	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	46
2	Tetradecane	198	C14H30	000629-59-4	46
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	41
4	Pentadecane	212	C15H32	000629-62-9	41
5	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	38





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Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

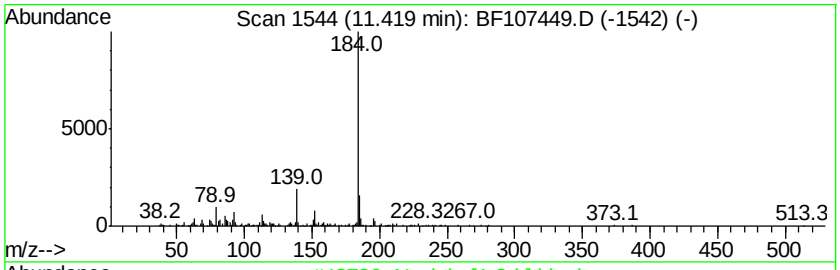
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

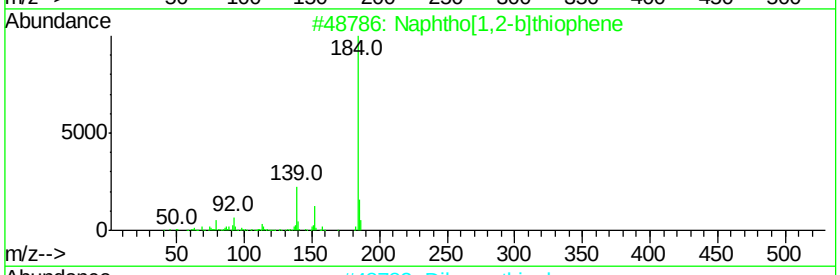
****

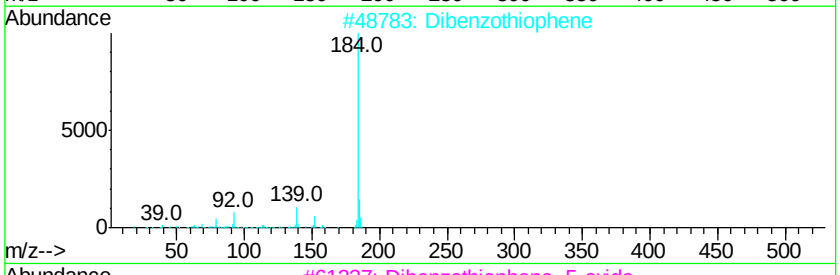
Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 16

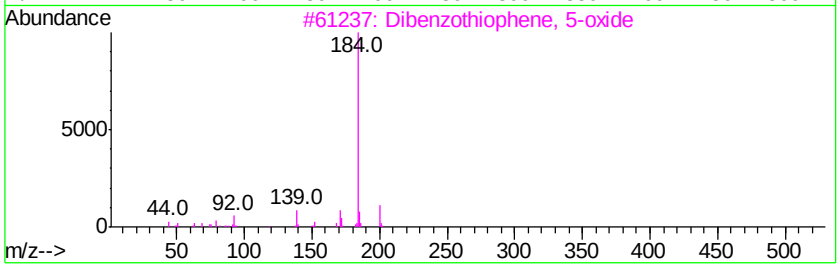
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	4.09 ng	298734	Phenanthrene-d10	11.52

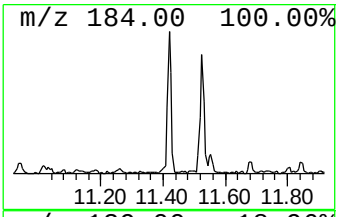
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
2	Dibenzothiophene	184	C12H8S	000132-65-0	72
3	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	64
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	64
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	64

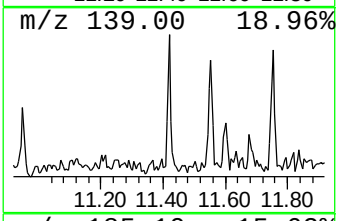


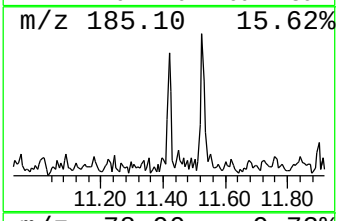


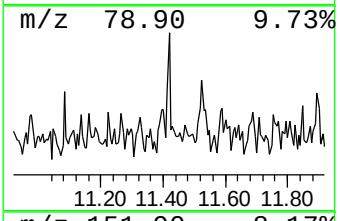


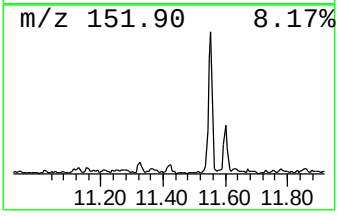












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Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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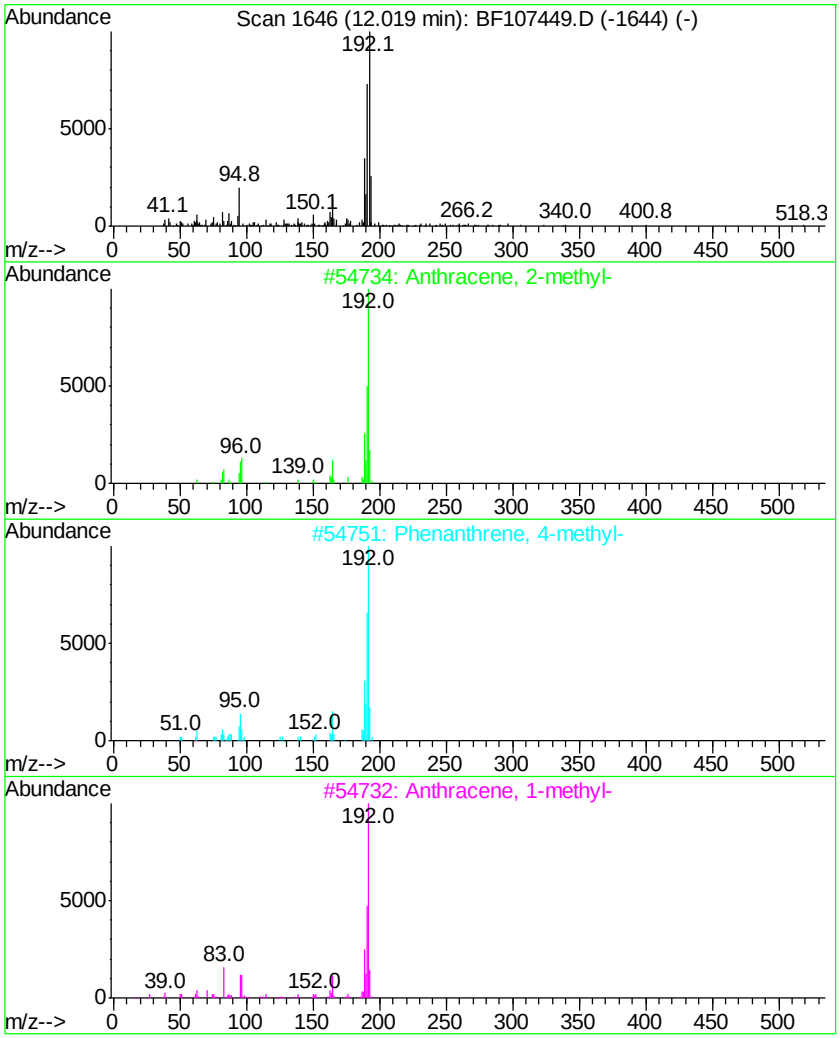
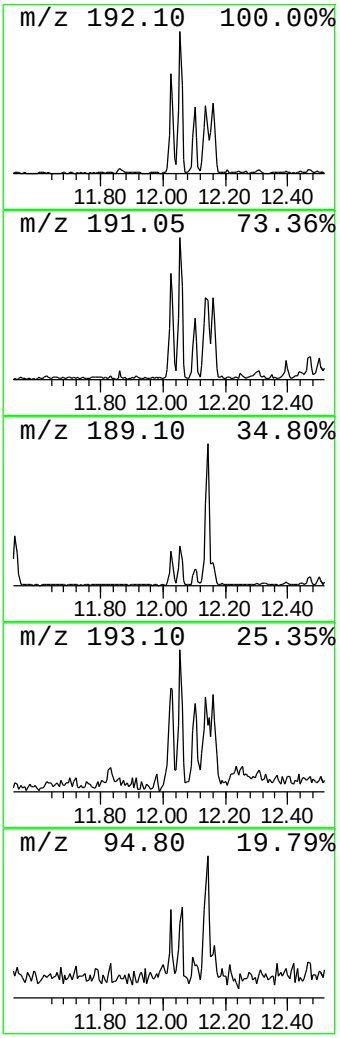
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.59 ng	626735	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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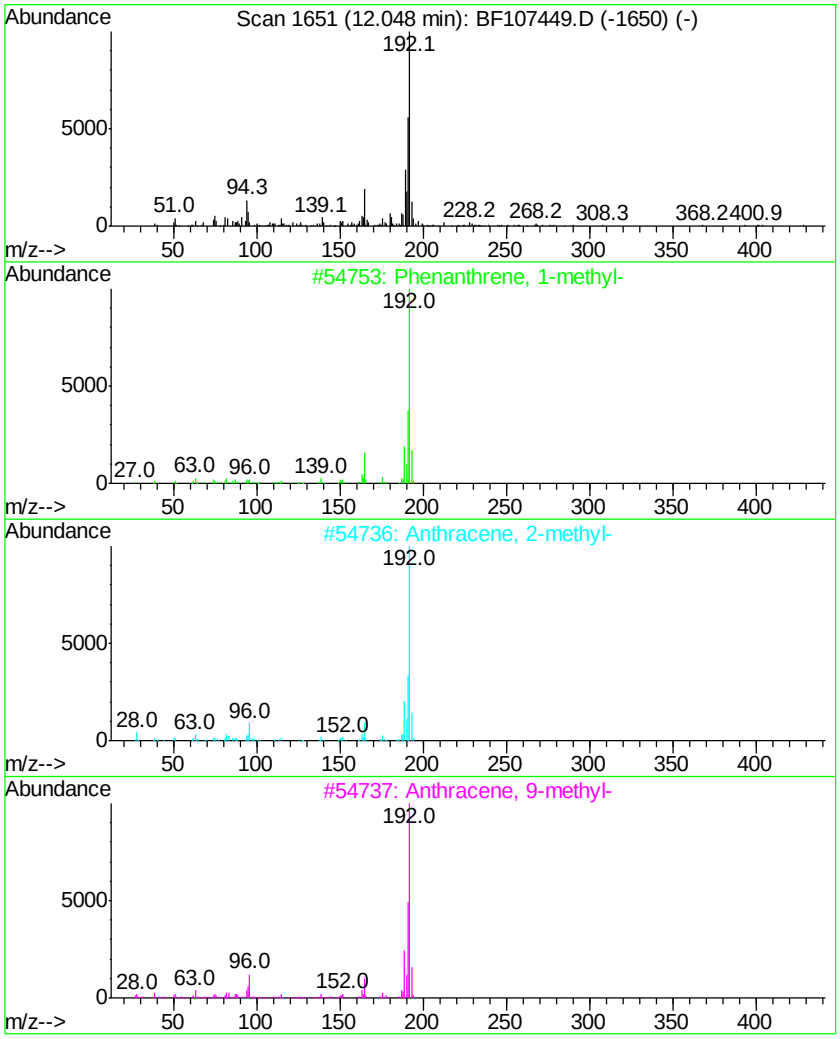
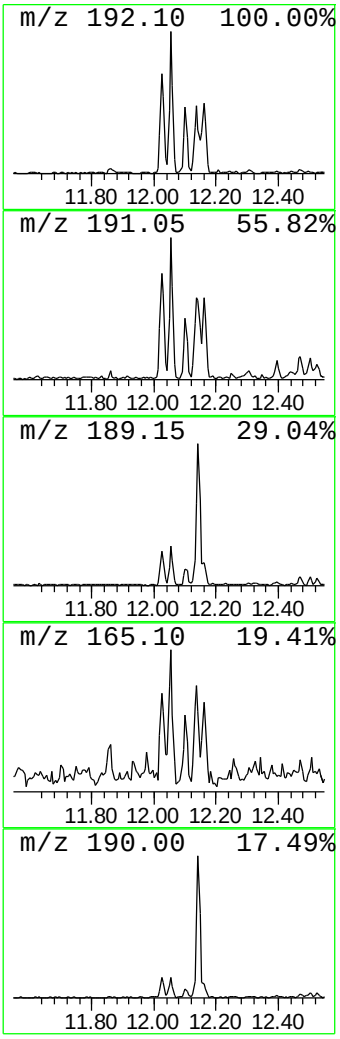
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	9.41 ng	686808	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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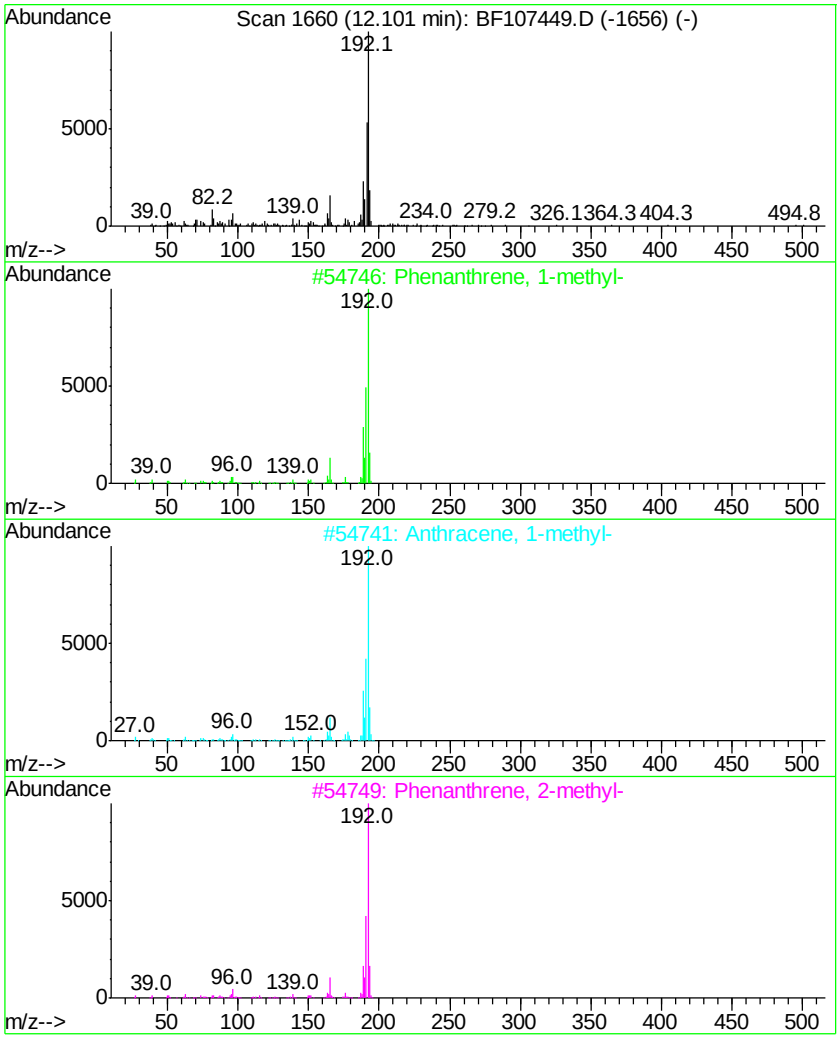
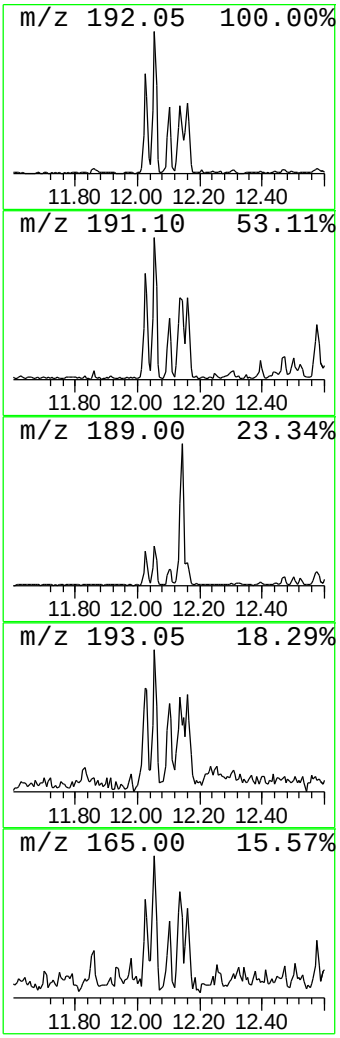
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	5.24 ng	382141	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93





Library Search Compound Report

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Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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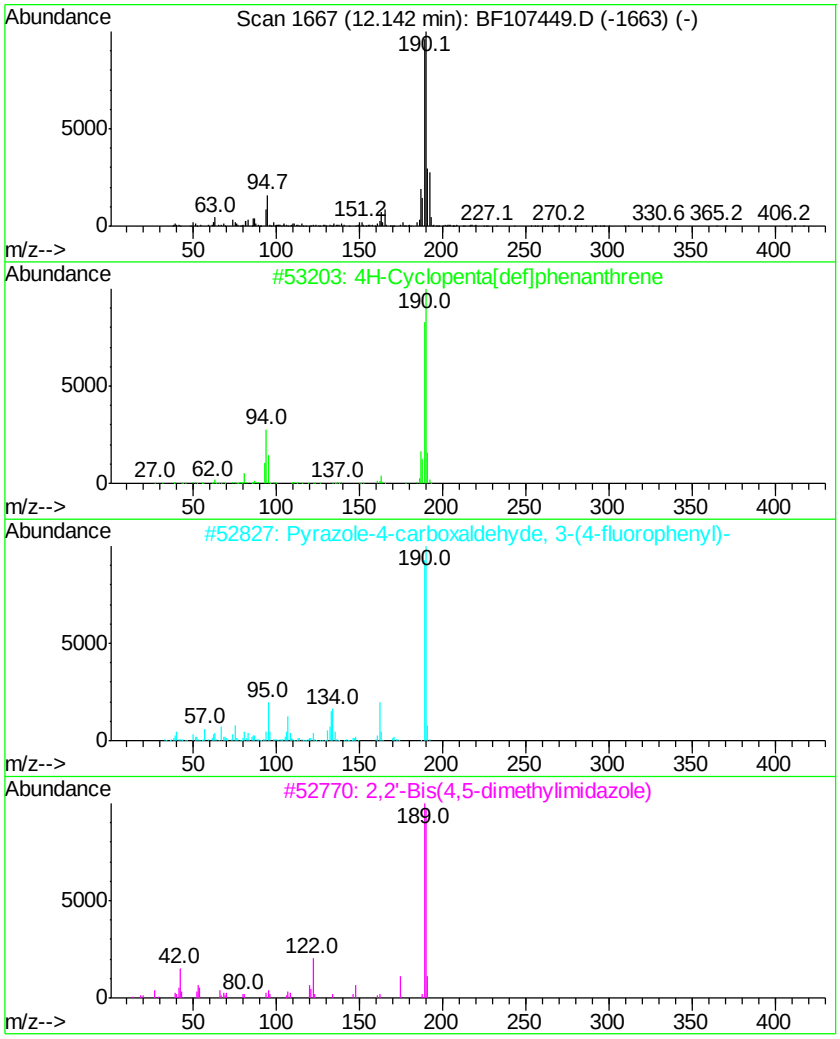
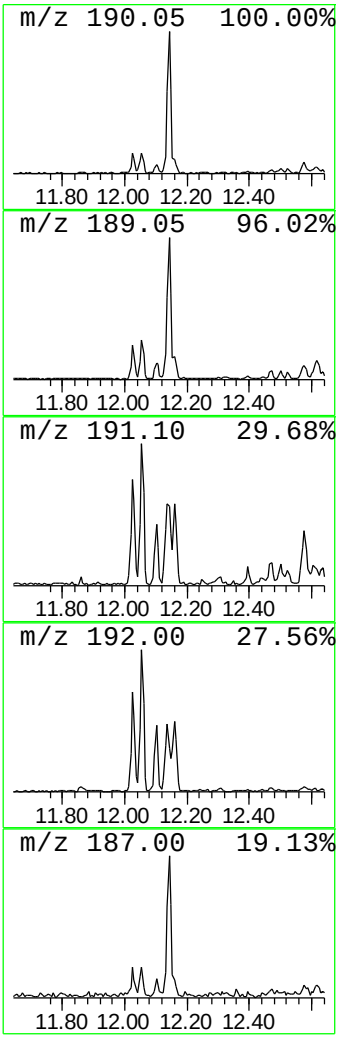
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	15.35 ng	1119970	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	40
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	39
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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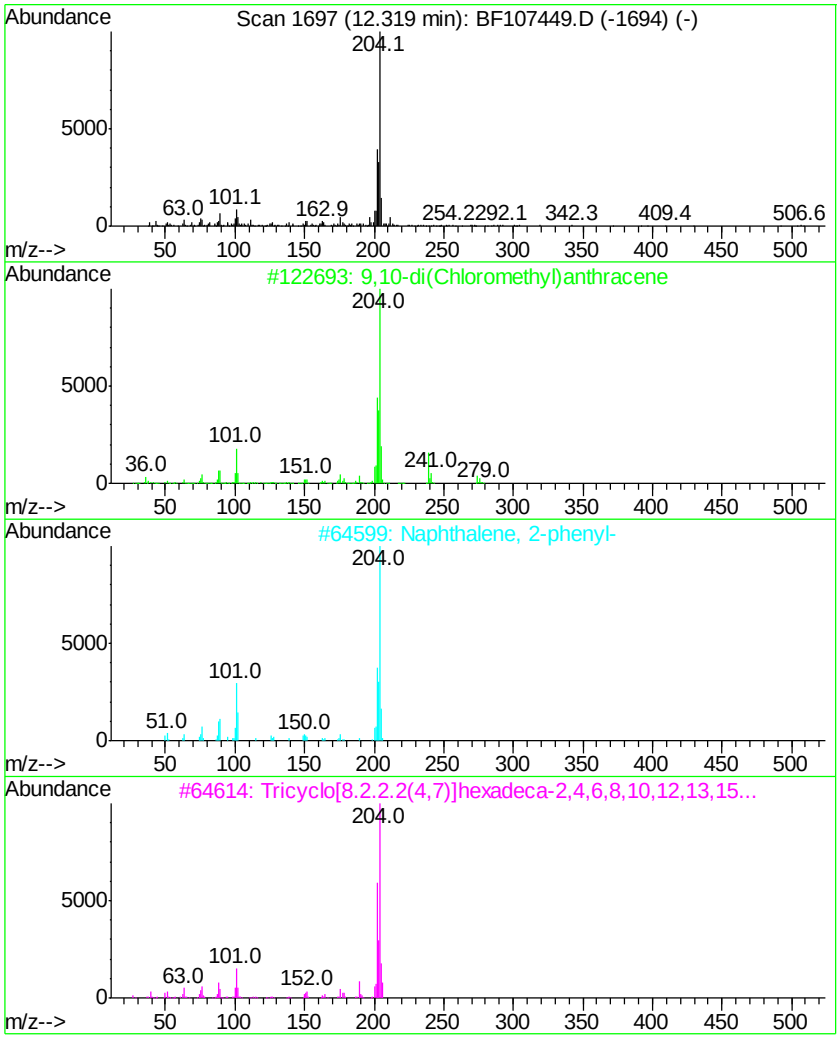
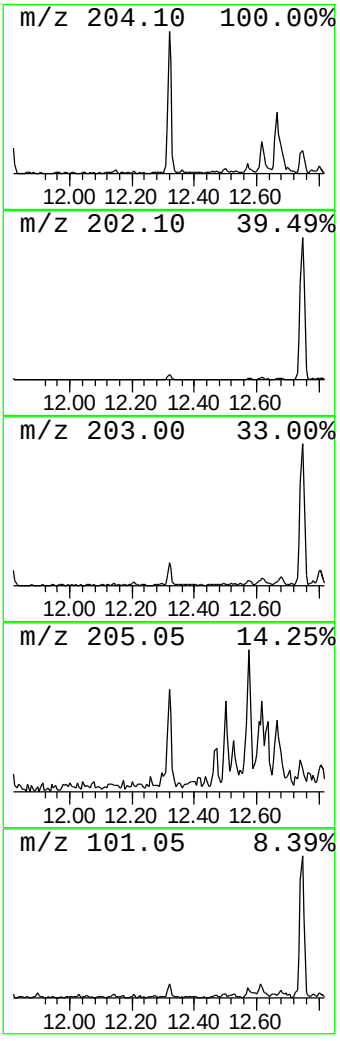
Peak Number 12 9,10-di(Chloromethyl)anthra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.73 ng	345045	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	78
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4	Levamisole	204	C11H12N2S	014769-73-4	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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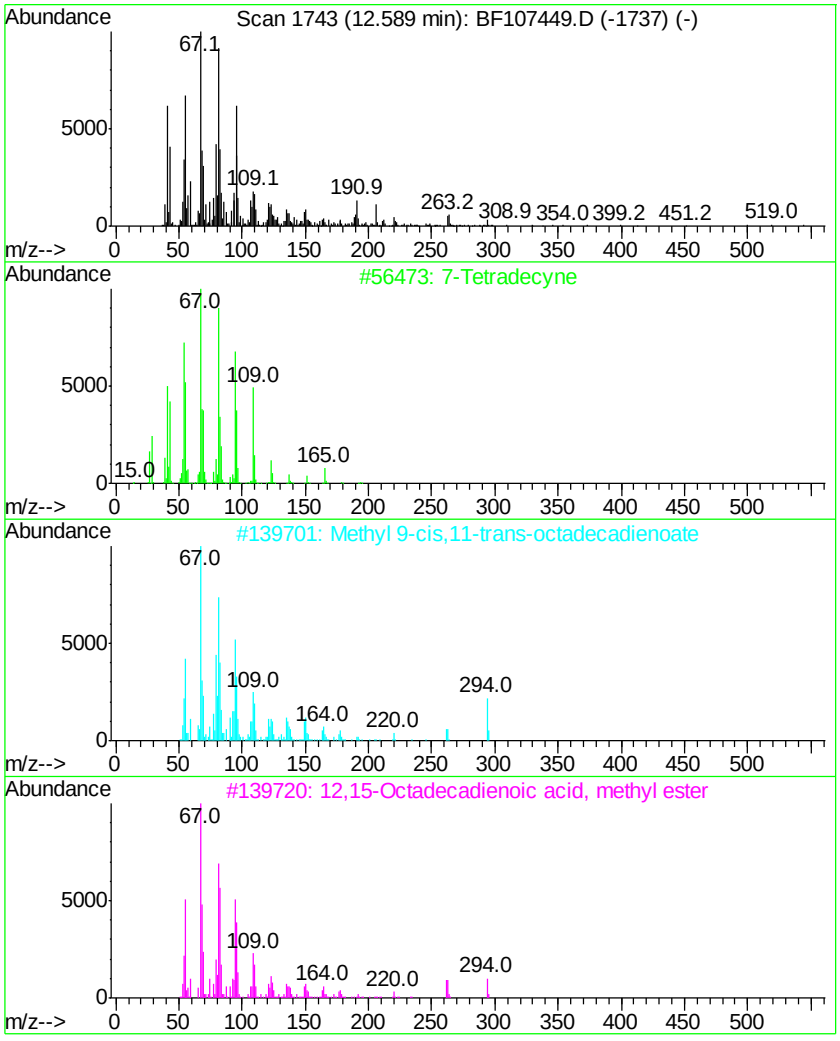
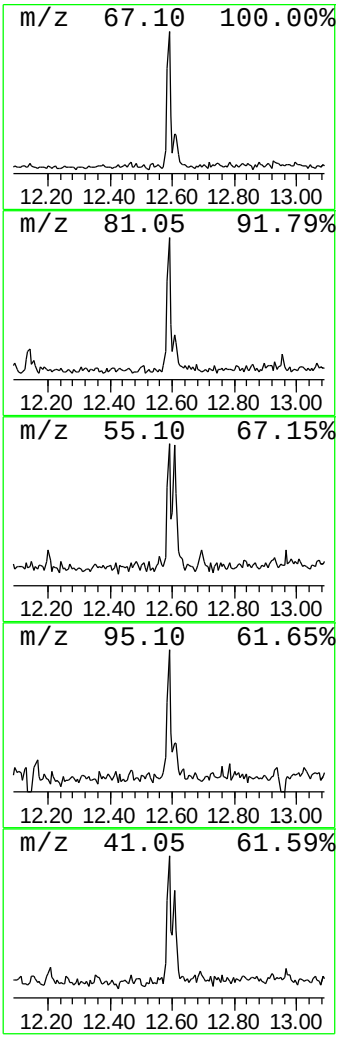
Peak Number 13 7-Tetradecyne Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	21.08 ng	1538500	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Tetradecyne	194	C14H26	035216-11-6	96
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	95
3	12,15-Octadecadienoic acid, meth...	294	C19H34O2	057156-97-5	95
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	95
5	9,12-Octadecadienoic acid (Z,Z)-...	354	C21H38O4	003443-82-1	92





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Sample : J3829-05 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-071318-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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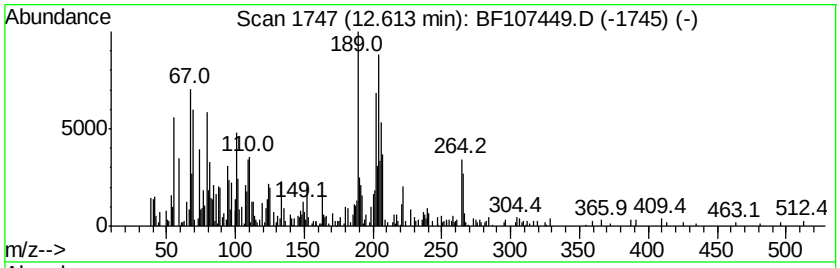
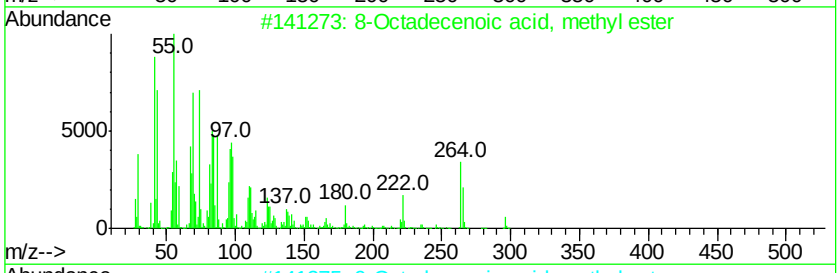
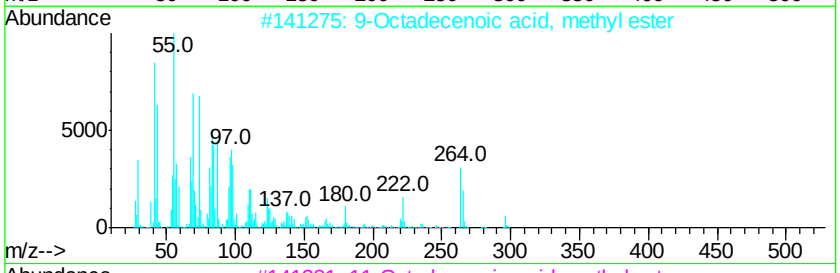
Peak Number 14 8-Octadecenoic acid, methyl... Concentration Rank 6

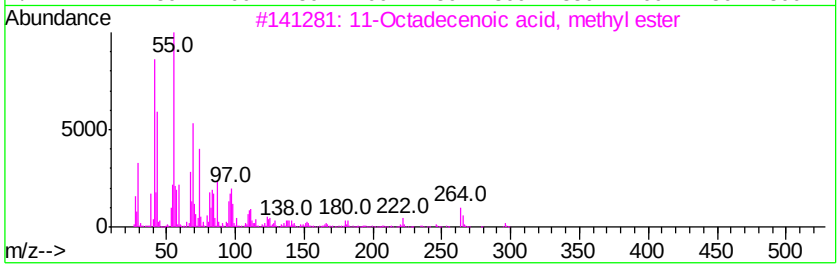
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	9.78 ng	713710	Phenanthrene-d10	11.52

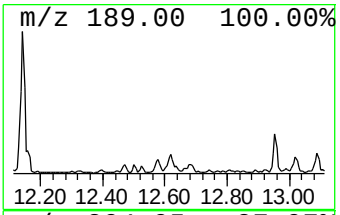
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	90
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	86
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	78
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	70
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	55

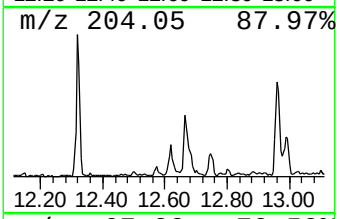


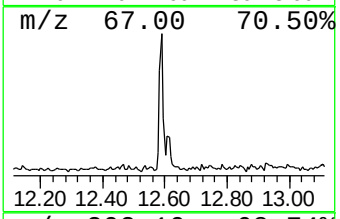


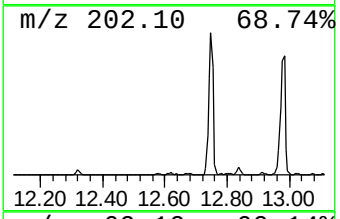


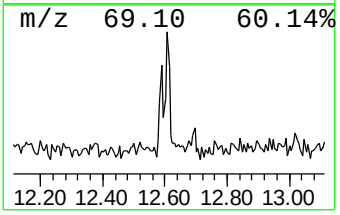












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Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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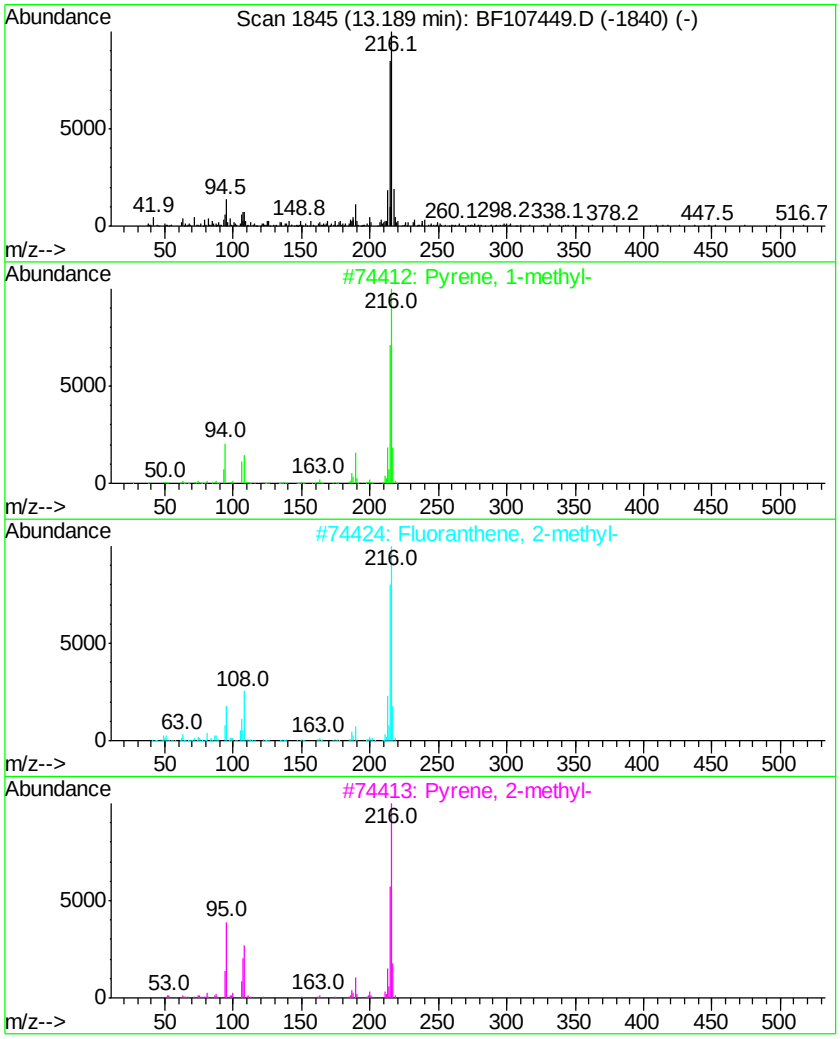
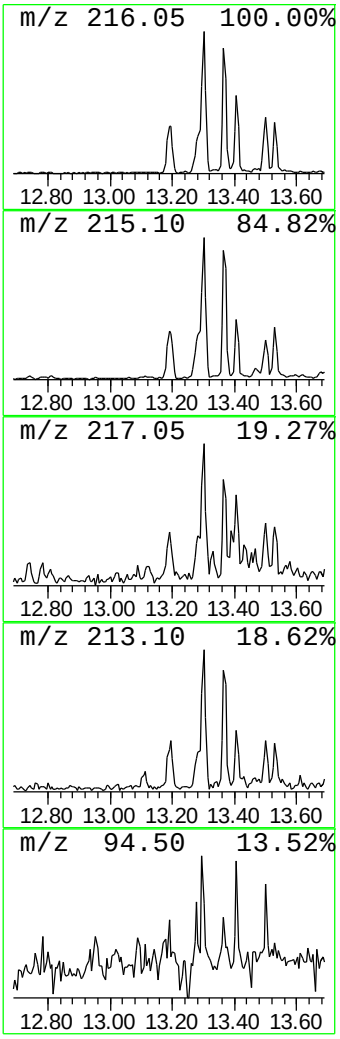
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	4.50 ng	667090	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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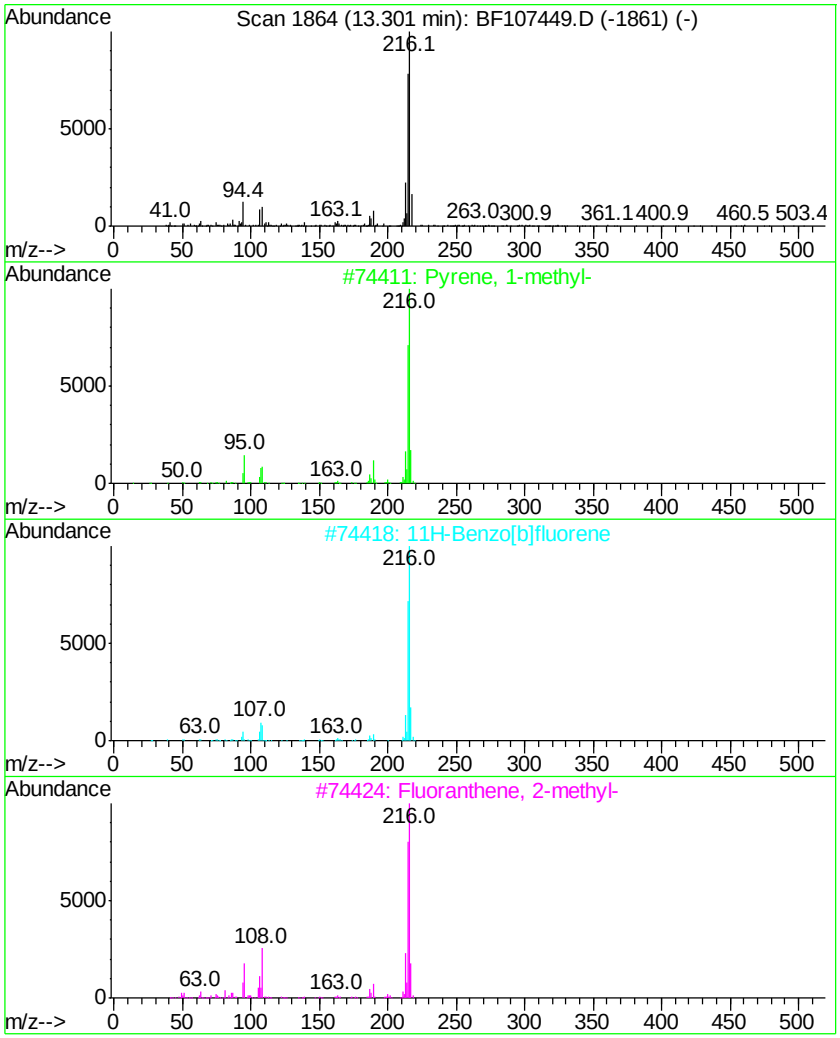
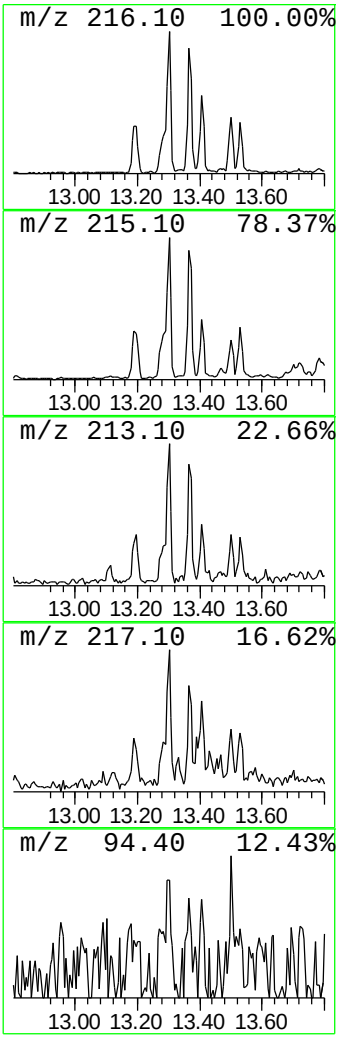
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	5.08 ng	753837	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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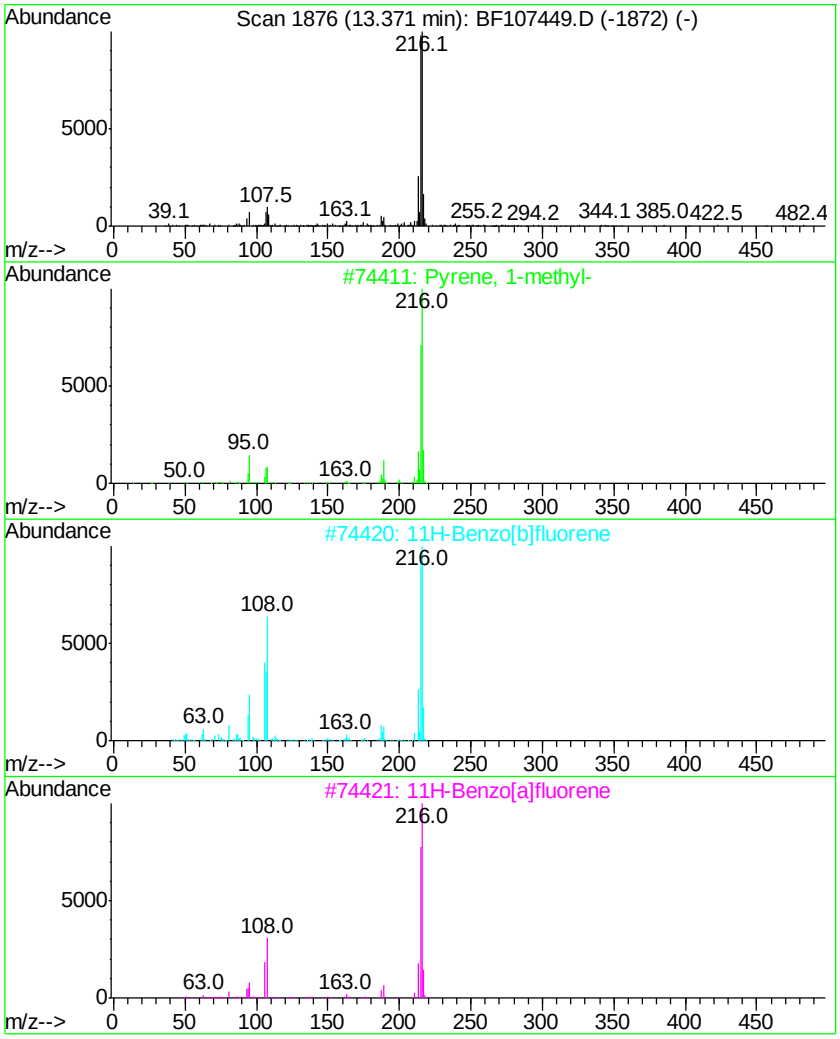
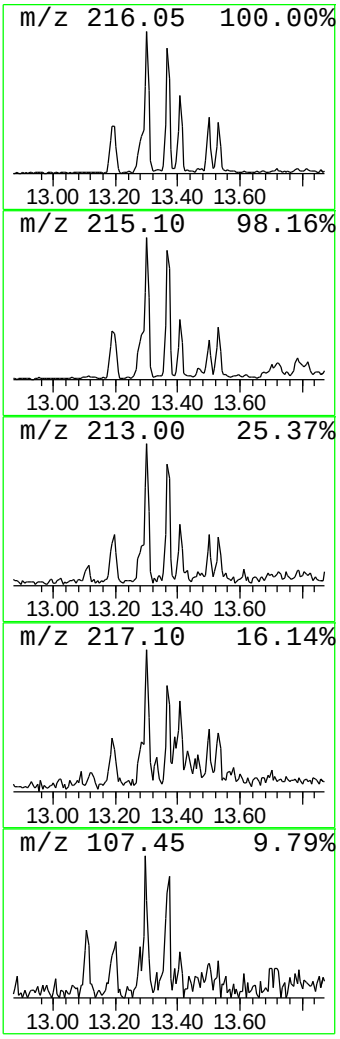
Peak Number 17 unknown13.37 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	4.28 ng	635185	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

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Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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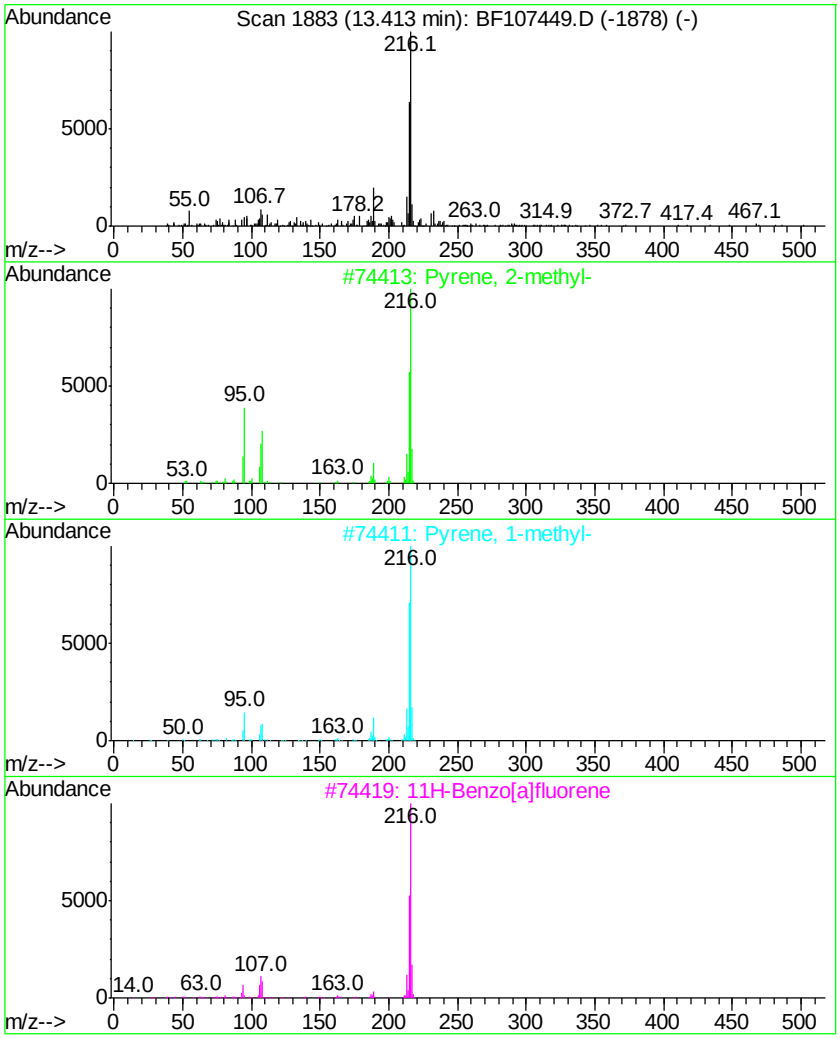
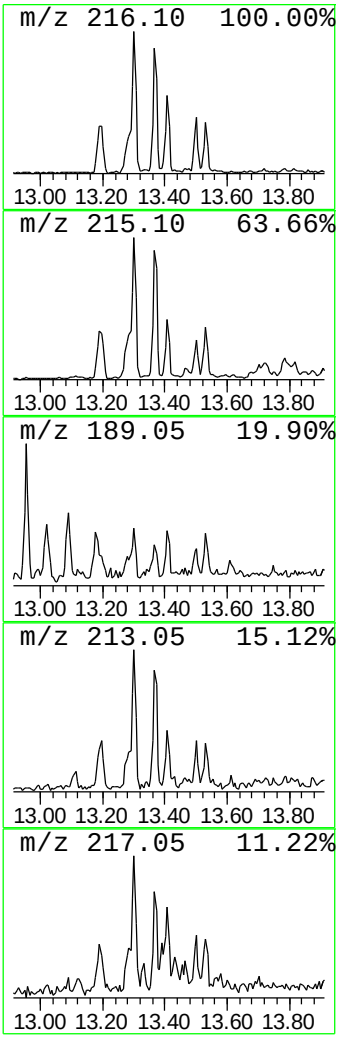
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.68 ng	545052	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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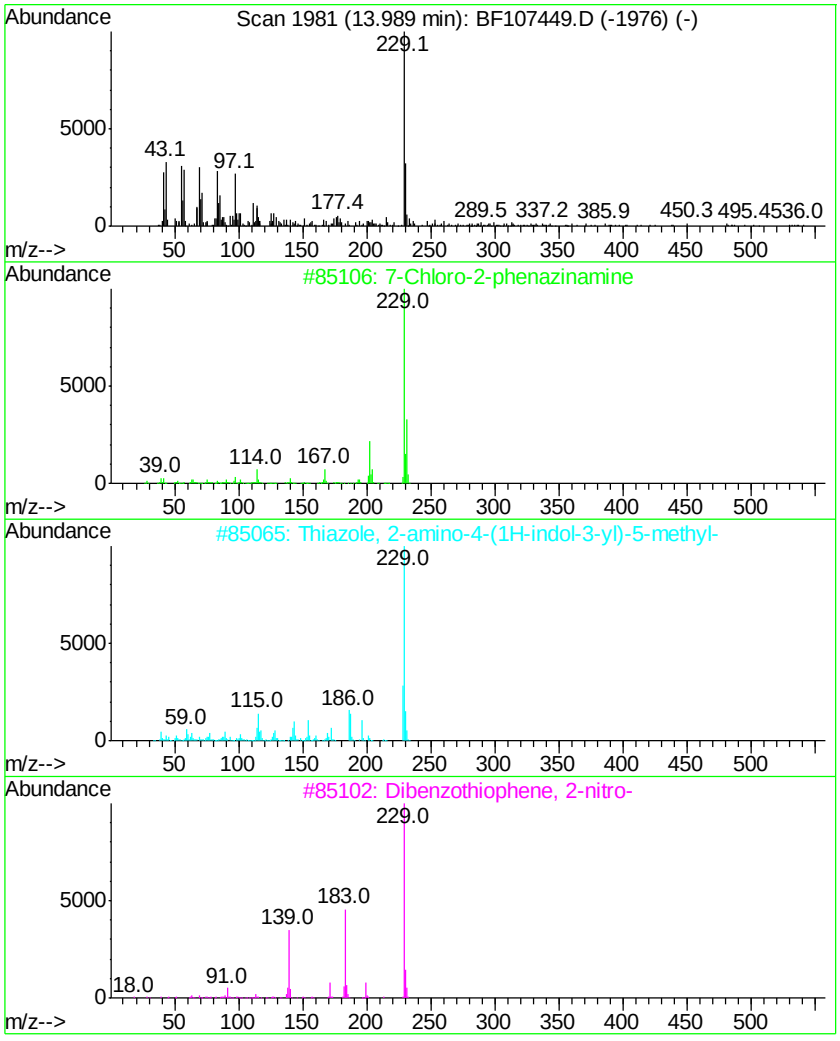
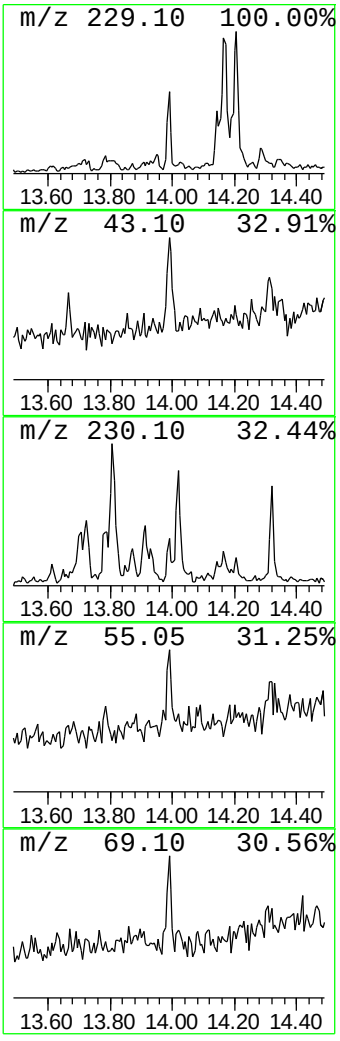
Peak Number 19 7-Chloro-2-phenazinamine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	4.63 ng	685885	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	53
2	Thiazole, 2-amino-4-(1H-indol-3-...	229	C12H11N3S	1000304-18-3	50
3	Dibenzothiophene, 2-nitro-	229	C12H7NO2S	006639-36-7	47
4	Benzoic acid, 4-(4-propylcyclohe...	365	C23H24FNO2	092118-82-6	47
5	Ethanethioic acid, S-tetradecyl ...	272	C16H32OS	090031-26-8	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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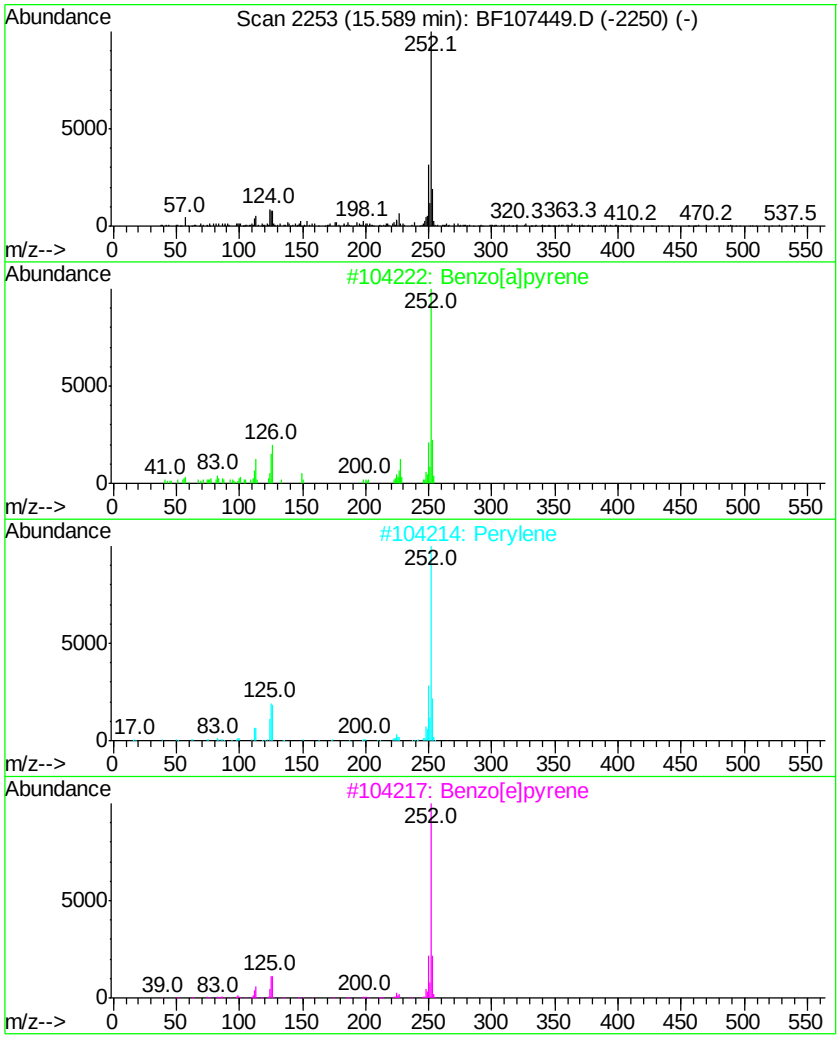
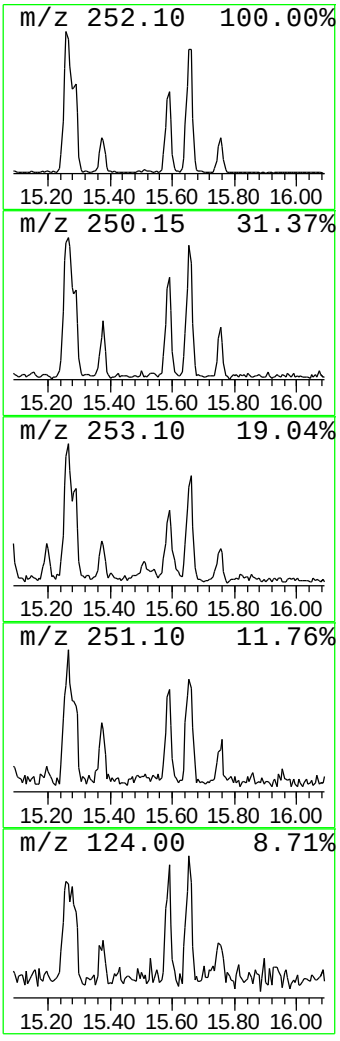
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	23.78 ng	824225	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	81
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
5	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
Data File : BF107449.D
Acq On : 17 Jul 2018 15:10
Operator : JU/SJ
Sample : J3829-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.21	3.7	ng	194579	1	6.98	1057960	20.0
unknown6.75	6.75	30.9	ng	1634870	1	6.98	1057960	20.0
Hexadecane, 2,6,1...	10.93	5.5	ng	402791	4	11.52	1459380	20.0
9H-Fluorene, 2-me...	11.13	3.8	ng	274821	4	11.52	1459380	20.0
unknown11.37	11.37	3.5	ng	255203	4	11.52	1459380	20.0
Naphtho[1,2-b]thi...	11.42	4.1	ng	298734	4	11.52	1459380	20.0
Anthracene, 2-met...	12.02	8.6	ng	626735	4	11.52	1459380	20.0
Anthracene, 9-met...	12.05	9.4	ng	686808	4	11.52	1459380	20.0
Phenanthrene, 1-m...	12.10	5.2	ng	382141	4	11.52	1459380	20.0
4H-Cyclopenta[def...	12.14	15.4	ng	1119970	4	11.52	1459380	20.0
9,10-di(Chloromet...	12.32	4.7	ng	345045	4	11.52	1459380	20.0
7-Tetradecyne	12.59	21.1	ng	1538500	4	11.52	1459380	20.0
8-Octadecenoic ac...	12.61	9.8	ng	713710	4	11.52	1459380	20.0
Pyrene, 1-methyl-	13.19	4.5	ng	667090	5	14.18	2965830	20.0
11H-Benzo[b]fluorene	13.30	5.1	ng	753837	5	14.18	2965830	20.0
unknown13.37	13.37	4.3	ng	635185	5	14.18	2965830	20.0
Pyrene, 2-methyl-	13.41	3.7	ng	545052	5	14.18	2965830	20.0
7-Chloro-2-phenaz...	13.99	4.6	ng	685885	5	14.18	2965830	20.0
Benzo[e]pyrene	15.59	23.8	ng	824225	6	15.72	693300	20.0