LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098511.D
Acq On : 14 Sep 2017 1:26
Operator : SJ/JU
Sample : I5159-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-9-2

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:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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	4.851	467	470	485	rBV	302376	530172	9.37%	0.962%
2	5.275	537	542	545	rBV	5080962	5265738	93.10%	9.558%
3	6.316	714	719	722	rBV	4517533	5643821	99.79%	10.244%
4	6.434	734	739	742	rBV	5463649	5264795	93.09%	9.556%
5	6.492	744	749	754	rVB3	37893	67485	1.19%	0.122%
6	6.657	773	777	784	rBV	1267252	1085712	19.20%	1.971%
7	6.816	799	804	807	rBV	4378839	4160363	73.56%	7.551%
8	7.228	869	874	877	rBV	3177700	3195540	56.50%	5.800%
9	7.345	890	894	901	rVB3	38109	61045	1.08%	0.111%
10	7.939	990	995	997	rBV	1691369	1426728	25.23%	2.590%
11	7.957	997	998	1002	rVB	164012	132270	2.34%	0.240%
12	8.363	1063	1067	1070	rBV	67285	63443	1.12%	0.115%
13	8.651	1113	1116	1119	rVB	148314	111645	1.97%	0.203%
14	8.751	1127	1133	1135	rBV	93121	83030	1.47%	0.151%
15	9.016	1172	1178	1181	rBV	5438539	5655765	100.00%	10.266%
16	9.098	1186	1192	1193	rVV2	78624	73095	1.29%	0.133%
17	9.351	1232	1235	1237	rBV	83179	82895	1.47%	0.150%
18	9.410	1242	1245	1249	rVV	687047	590683	10.44%	1.072%
19	9.551	1265	1269	1273	rVB	159689	135413	2.39%	0.246%
20	9.628	1278	1282	1285	rVB	100213	85800	1.52%	0.156%
21	9.686	1286	1292	1296	rBV	1521579	1442713	25.51%	2.619%
22	9.892	1324	1327	1329	rBV	122530	103477	1.83%	0.188%
23	10.092	1358	1361	1363	rBV3	60856	63201	1.12%	0.115%
24	10.122	1363	1366	1369	rVB	157546	126605	2.24%	0.230%
25	10.233	1381	1385	1387	rBV2	73054	74495	1.32%	0.135%
26	10.345	1398	1404	1409	rBV	76164	117294	2.07%	0.213%
27	10.392	1409	1412	1415	rVV	61130	58413	1.03%	0.106%
28	10.480	1420	1427	1430	rBV	2607655	2358085	41.69%	4.280%
29	10.598	1443	1447	1454	rVB2	213634	328984	5.82%	0.597%
30	10.980	1509	1512	1516	rBV	98951	89417	1.58%	0.162%
31	11.039	1520	1522	1525	rVV	157128	148875	2.63%	0.270%
32	11.069	1525	1527	1533	rVB	106822	107895	1.91%	0.196%
33	11.169	1540	1544	1546	rBV	1342271	1166056	20.62%	2.116%
34	11.192	1546	1548	1551	rVV	853612	658272	11.64%	1.195%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5159-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-9-2

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:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.245	1554	1557	1560	rVB	265216	234183	4.14%	0.425%
36	11.404	1578	1584	1592	rBV2	175567	249919	4.42%	0.454%
37	11.469	1592	1595	1598	rVV	120731	106053	1.88%	0.192%
38	11.669	1626	1629	1632	rBV	109435	101427	1.79%	0.184%
39	11.698	1632	1634	1637	rVB	170443	139198	2.46%	0.253%
40	11.745	1637	1642	1645	rBV2	46142	71772	1.27%	0.130%
41	11.780	1645	1648	1650	rVV	174783	169212	2.99%	0.307%
42	11.804	1650	1652	1657	rVB	85913	75065	1.33%	0.136%
43	11.874	1661	1664	1667	rVB2	93339	77873	1.38%	0.141%
44	11.963	1677	1679	1682	rBV	99752	89207	1.58%	0.162%
45	11.998	1682	1685	1690	rVB	133354	122988	2.17%	0.223%
46	12.116	1699	1705	1708	rBV5	53107	86106	1.52%	0.156%
47	12.216	1719	1722	1725	rBV	94012	88536	1.57%	0.161%
48	12.257	1725	1729	1734	rVB4	97301	148979	2.63%	0.270%
49	12.310	1734	1738	1740	rBV	106420	101071	1.79%	0.183%
50	12.380	1746	1750	1753	rBV	1530394	1278965	22.61%	2.321%
51	12.527	1771	1775	1778	rBV2	54234	64219	1.14%	0.117%
52	12.610	1782	1789	1791	rVV	1095937	1180658	20.88%	2.143%
53	12.657	1795	1797	1802	rVB2	76225	87153	1.54%	0.158%
54	12.757	1809	1814	1817	rBV	3893205	3618243	63.97%	6.567%
55	12.827	1823	1826	1830	rBV3	62072	84129	1.49%	0.153%
56	12.916	1838	1841	1842	rBV2	81199	82335	1.46%	0.149%
57	12.933	1842	1844	1848	rVB	130745	121919	2.16%	0.221%
58	13.004	1851	1856	1858	rVB2	73998	91845	1.62%	0.167%
59	13.039	1858	1862	1864	rBV2	98642	105651	1.87%	0.192%
60	13.163	1880	1883	1886	rBV2	56255	66767	1.18%	0.121%
61	13.239	1891	1896	1902	rVB	325566	390148	6.90%	0.708%
62	13.445	1928	1931	1935	rVB	159294	150428	2.66%	0.273%
63	13.551	1947	1949	1952	rBV	117089	101768	1.80%	0.185%
64	13.580	1952	1954	1956	rVB	81698	59480	1.05%	0.108%
65	13.604	1956	1958	1960	rBV	90543	81180	1.44%	0.147%
66	13.651	1963	1966	1970	rVB2	332062	323707	5.72%	0.588%
67	13.804	1987	1992	1995	rBV2	1199931	1601264	28.31%	2.906%
68	13.827	1995	1996	1999	rVB	502507	345791	6.11%	0.628%
69	14.310	2076	2078	2081	rBV2	65106	67150	1.19%	0.122%
70	14.810	2159	2163	2171	rBV	544053	923758	16.33%	1.677%
71	14.910	2178	2180	2183	rVB	92088	81591	1.44%	0.148%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5159-05
Misc :
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Instrument : BNA_F
ClientSampleId : G-9-2

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.086	2207	2210	2216	rVB	258074	301100	5.32%	0.547%
73	15.145	2217	2220	2225	rBV2	287331	326713	5.78%	0.593%
74	15.204	2226	2230	2234	rBV	637329	779473	13.78%	1.415%
75	16.545	2454	2458	2473	rVB4	128179	358205	6.33%	0.650%

Sum of corrected areas: 55094449

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Sample : I5159-05
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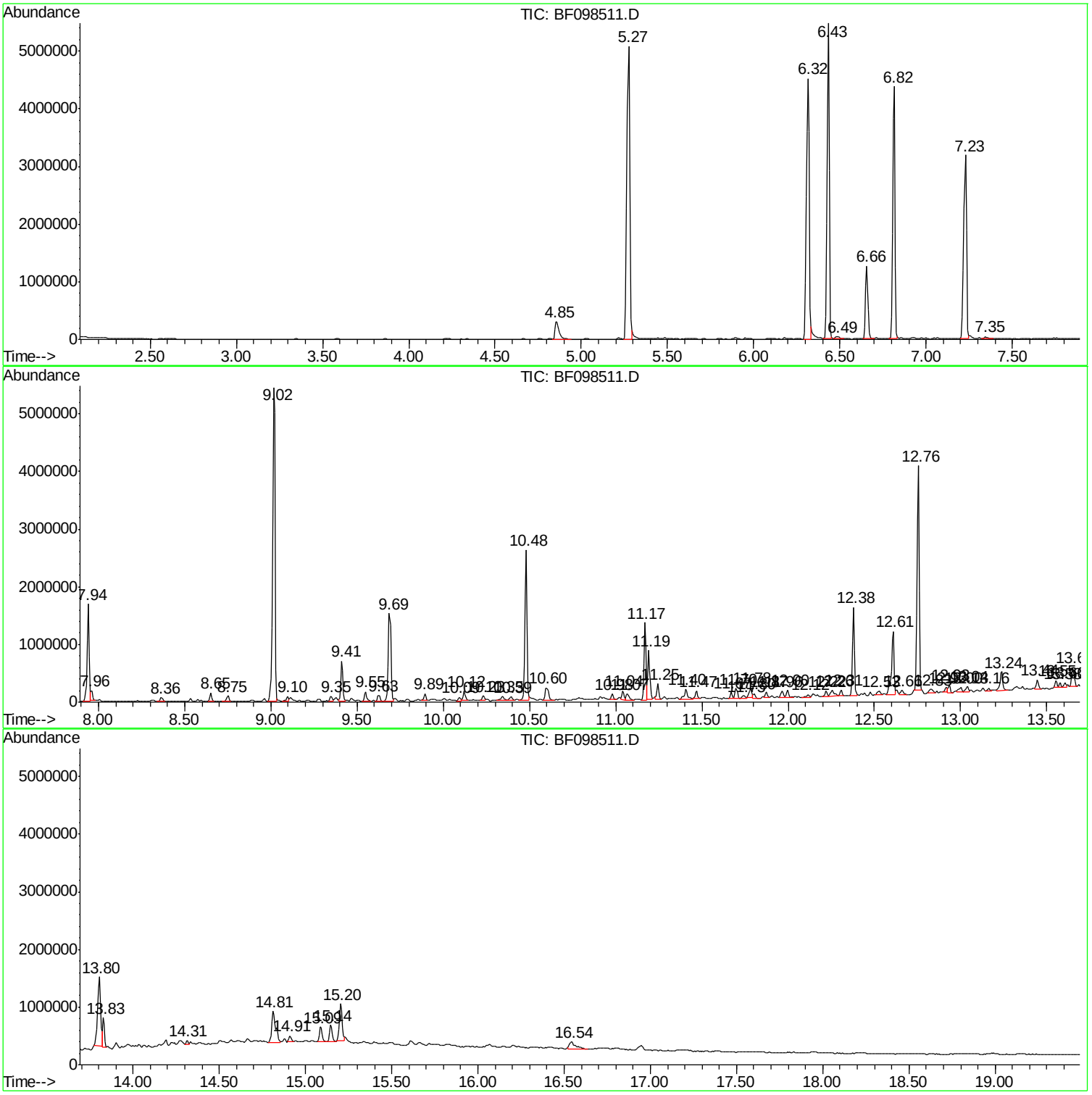
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G-9-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098511.D
Acq On : 14 Sep 2017 1:26
Operator : SJ/JU
Sample : I5159-05
Misc :
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Instrument : BNA_F
ClientSampleId : G-9-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

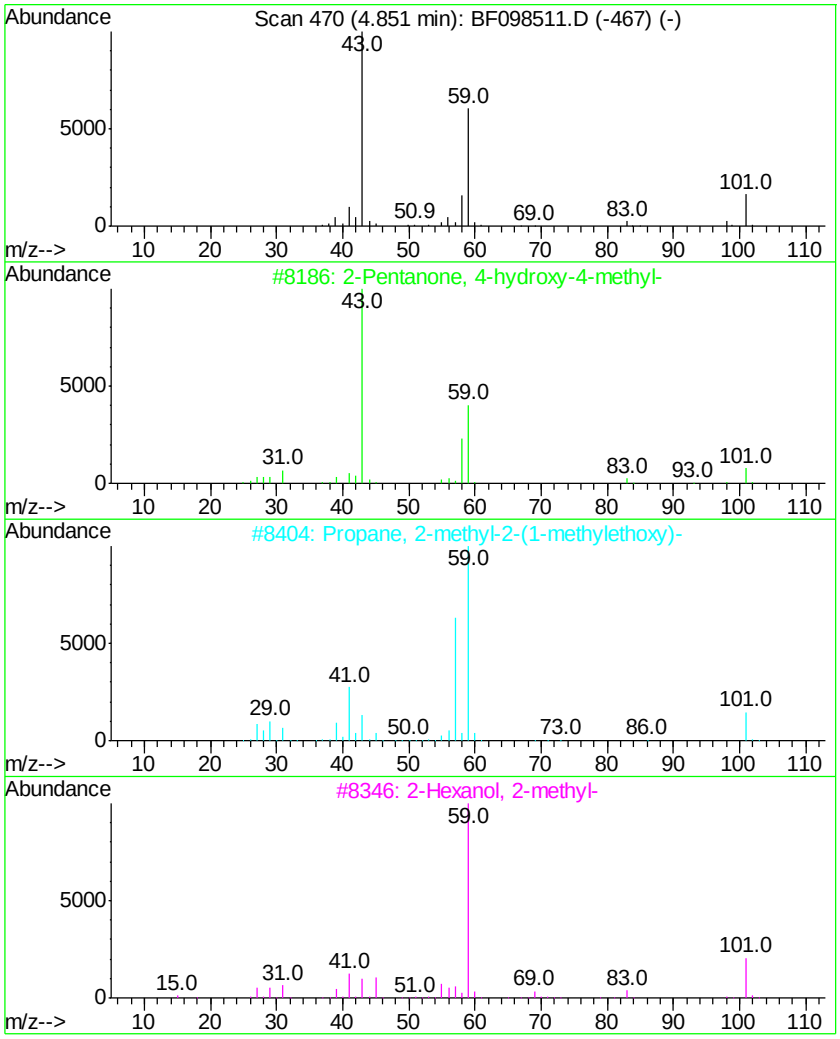
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

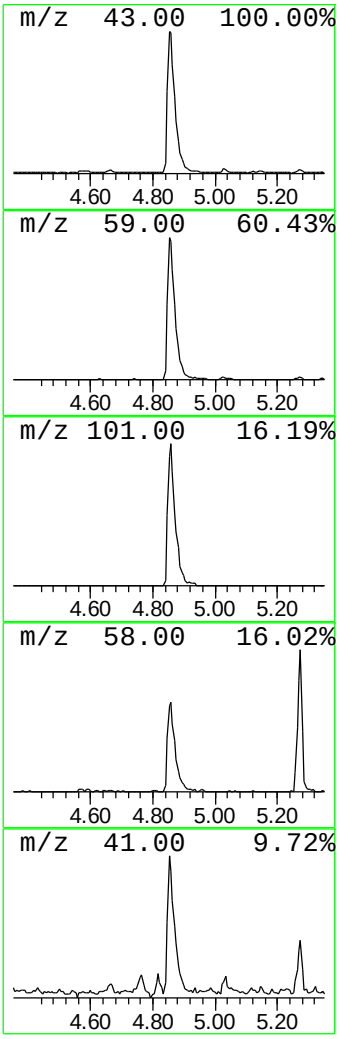
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	9.77 ng	530172	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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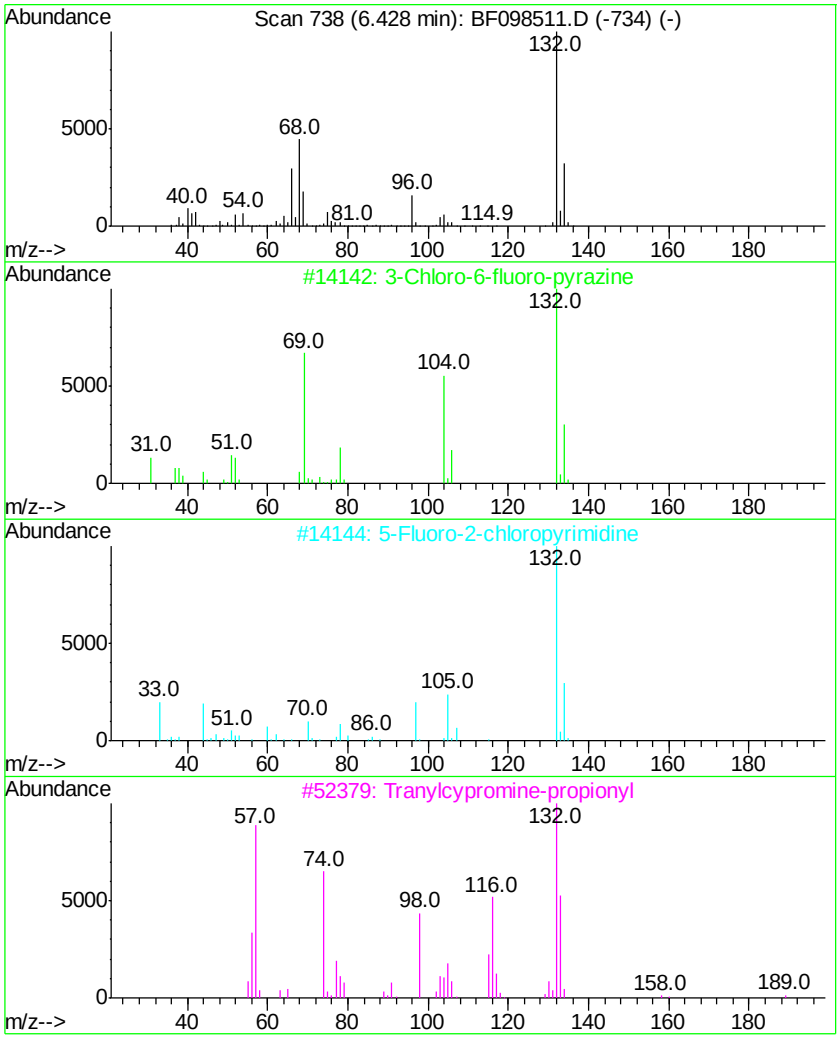
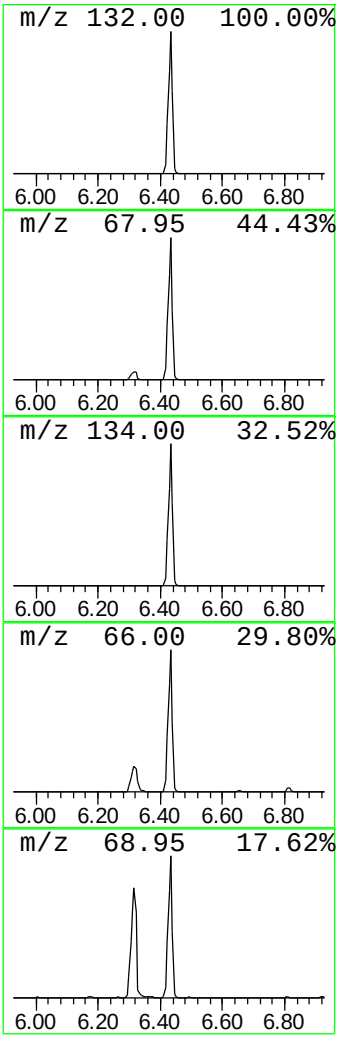
****

Peak Number 2 unknown6.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	96.98 ng	5264800	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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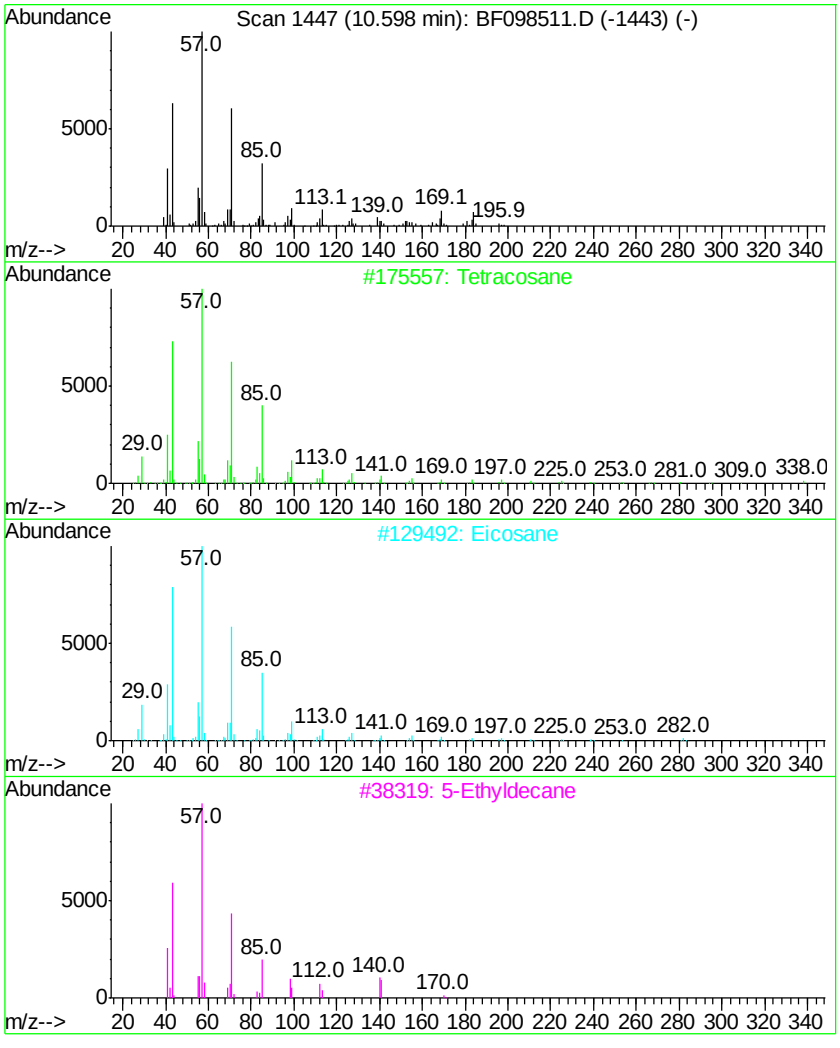
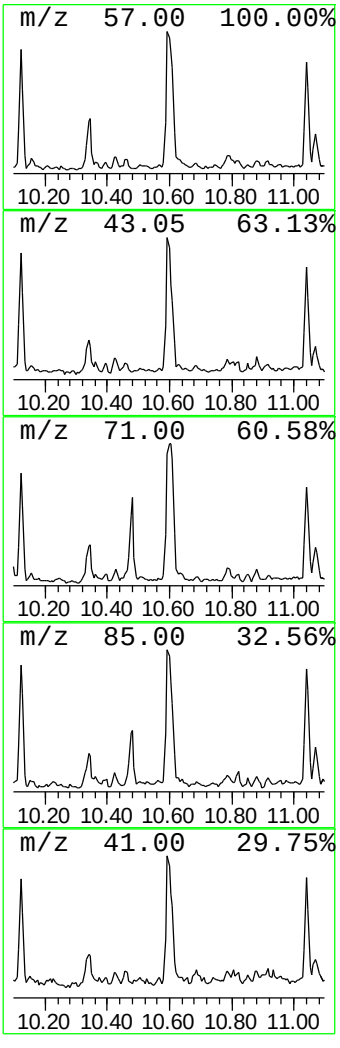
Peak Number 4 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	5.64 ng	328984	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	74
2	Eicosane	282	C20H42	000112-95-8	74
3	5-Ethyldecane	170	C12H26	017302-36-2	74
4	Tridecane	184	C13H28	000629-50-5	72
5	Dodecane	170	C12H26	000112-40-3	72





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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TIC Library : C:\DATABASE\NIST11.L
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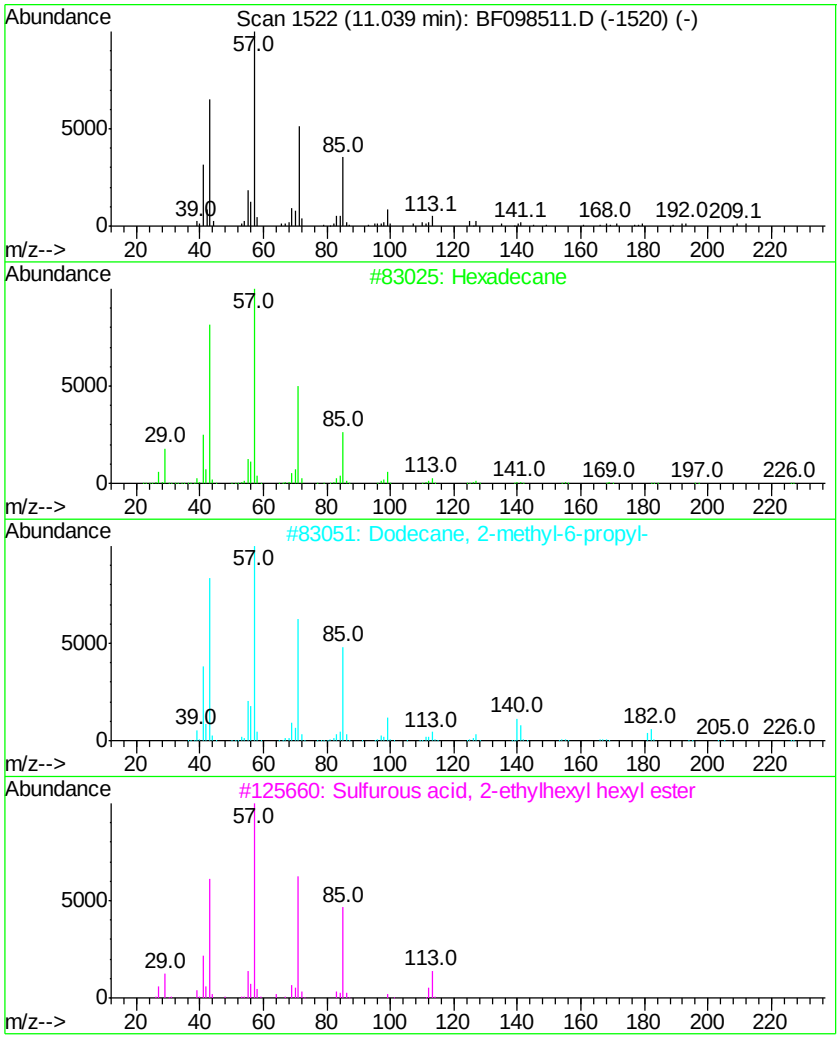
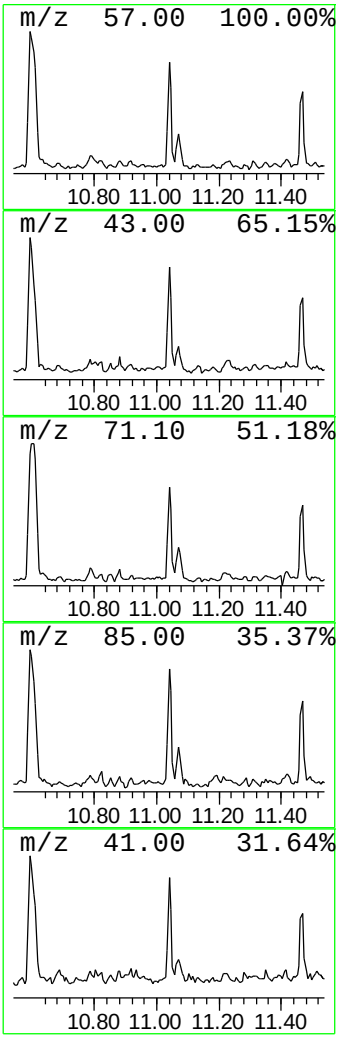
Peak Number 5 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	2.55 ng	148875	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	78
4	Tridecane	184	C13H28	000629-50-5	72
5	Nonadecane	268	C19H40	000629-92-5	72





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Instrument : BNA_F
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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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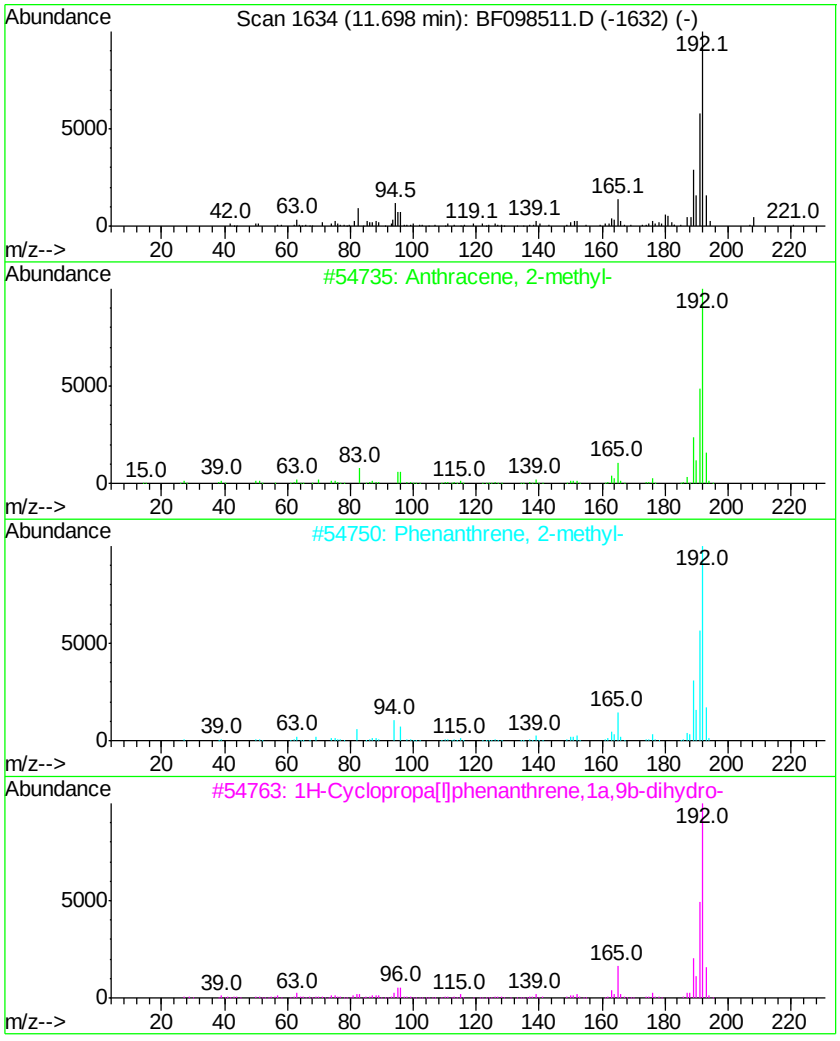
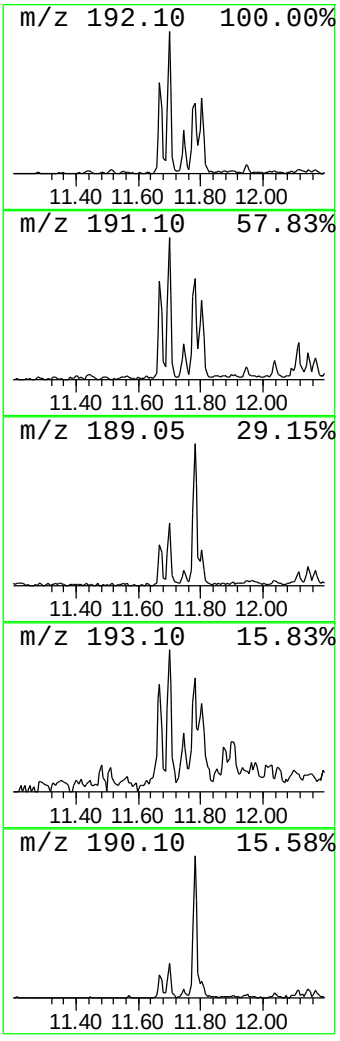
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.39 ng	139198	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Data File : BF098511.D
Acq On : 14 Sep 2017 1:26
Operator : SJ/JU
Sample : I5159-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-9-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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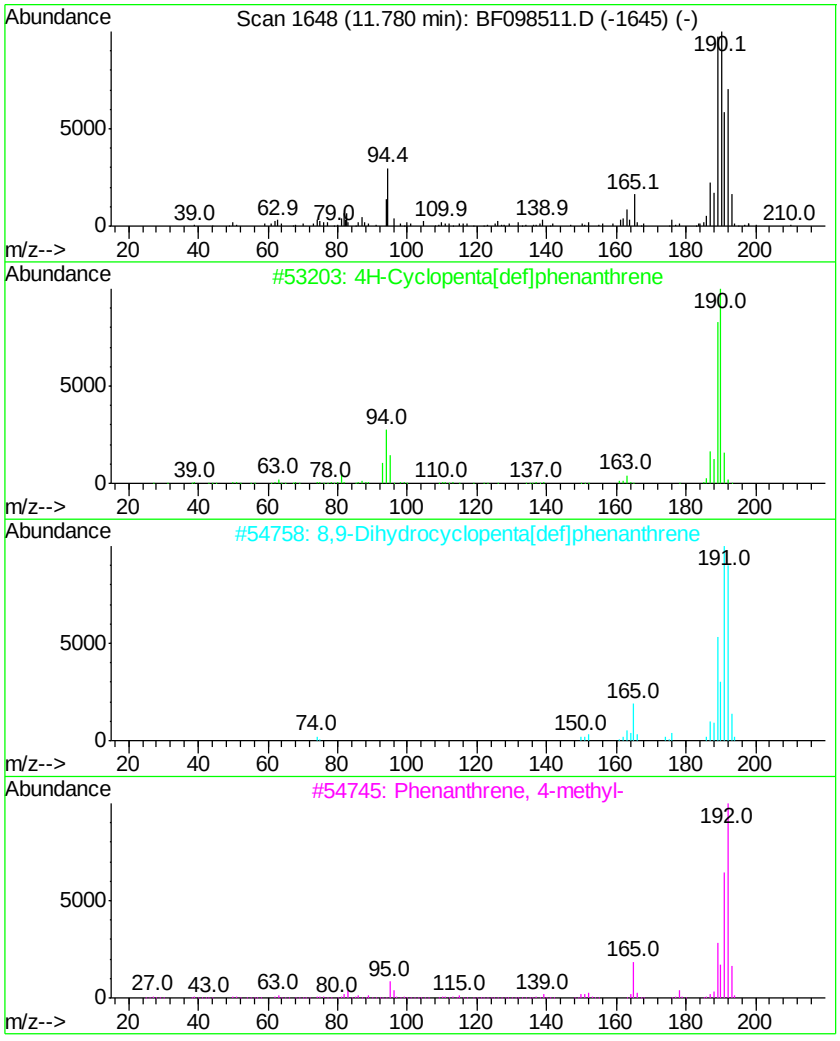
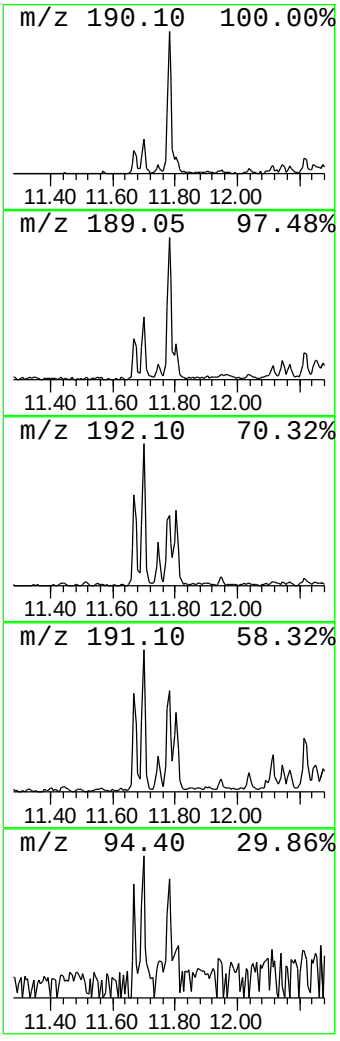
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	2.90 ng	169212	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





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Data File : BF098511.D
Acq On : 14 Sep 2017 1:26
Operator : SJ/JU
Sample : I5159-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-9-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

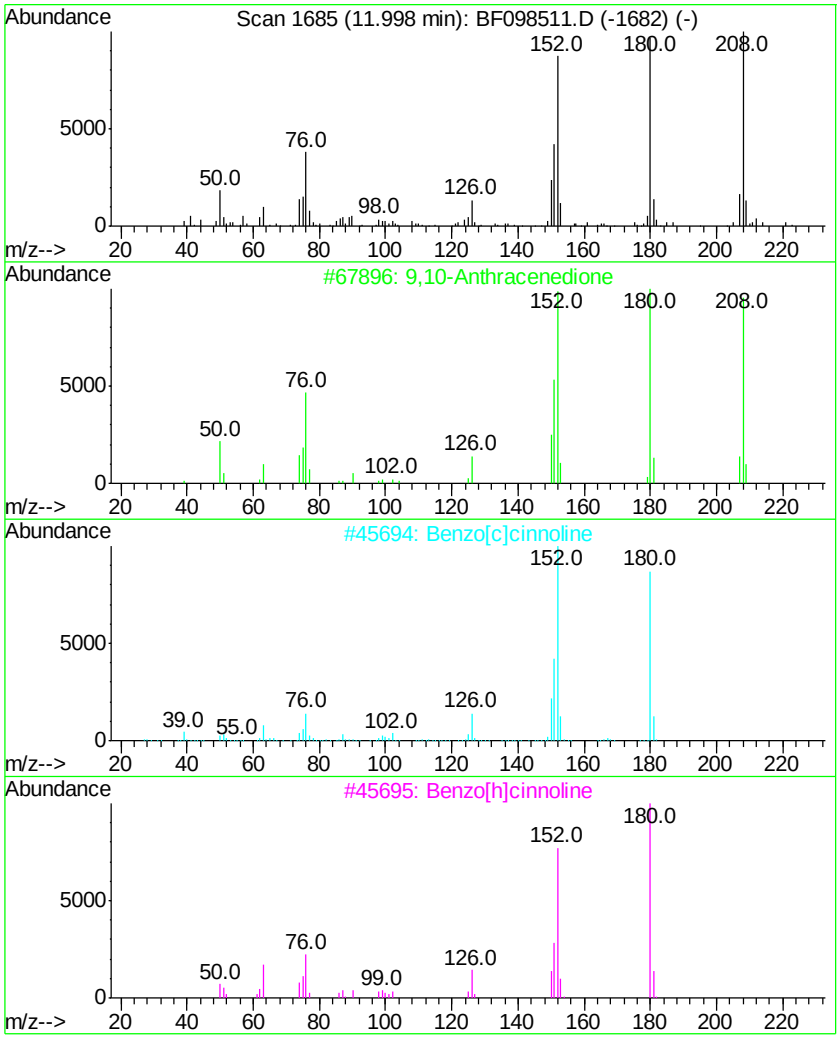
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

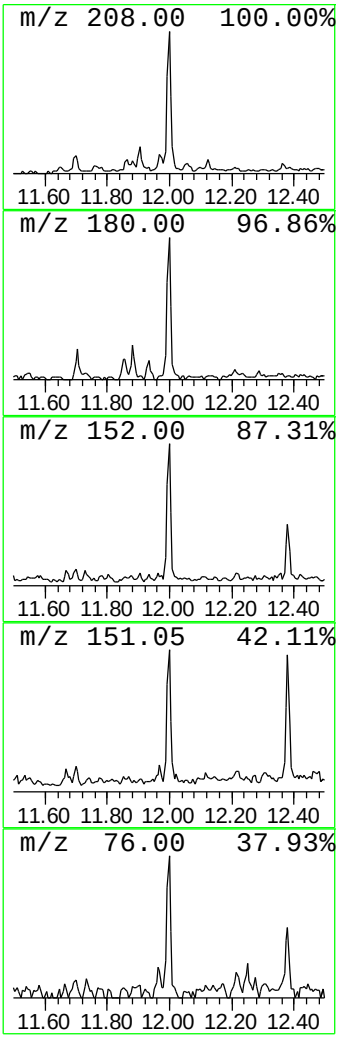
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.11 ng	122988	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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Operator : SJ/JU
Sample : I5159-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-9-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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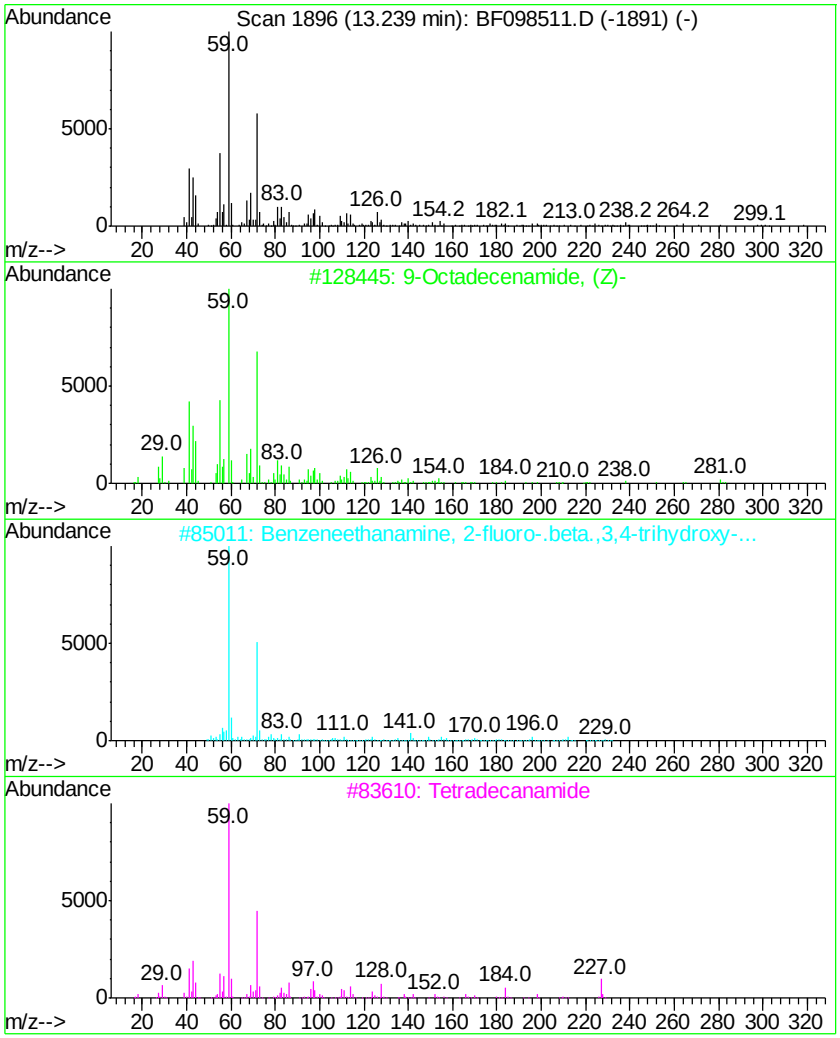
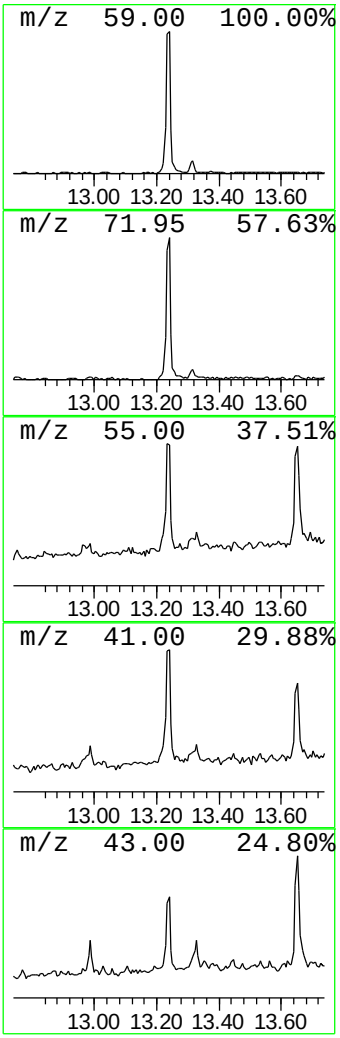
Peak Number 10 9-Octadecenamide, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	4.87 ng	390148	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
2	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	80
3	Tetradecanamide	227	C14H29NO	000638-58-4	64
4	Dodecanamide	199	C12H25NO	001120-16-7	59
5	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	58





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : G-9-2

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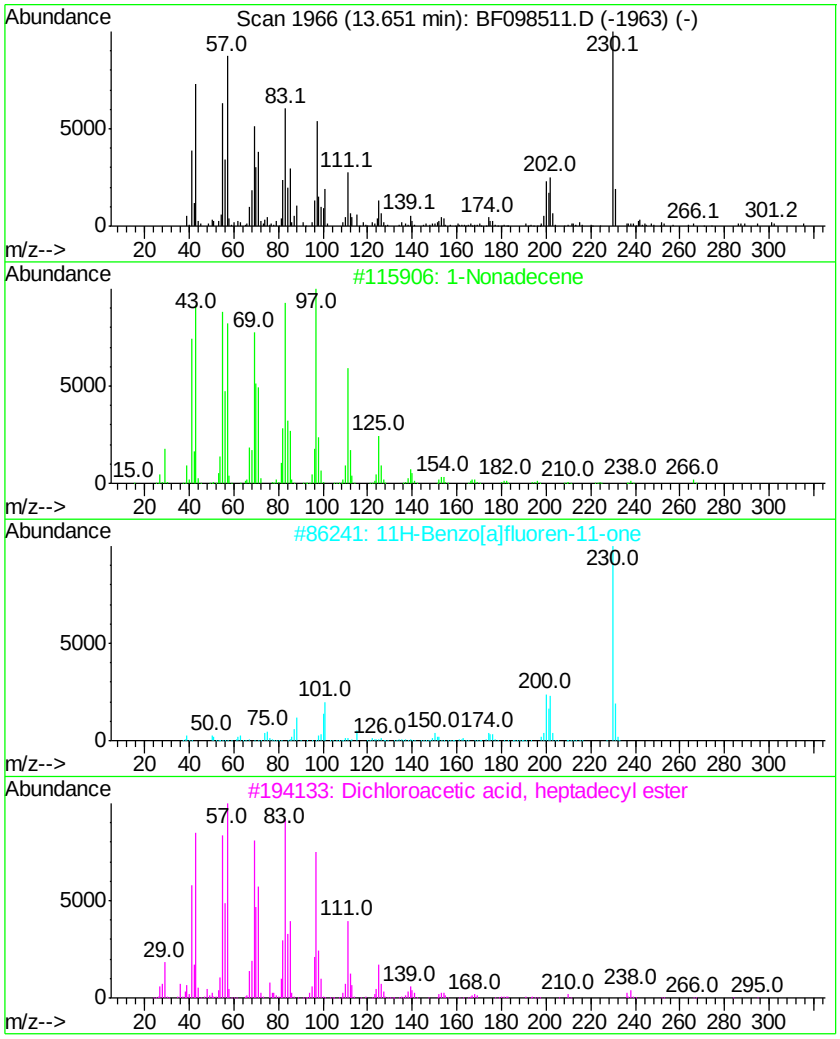
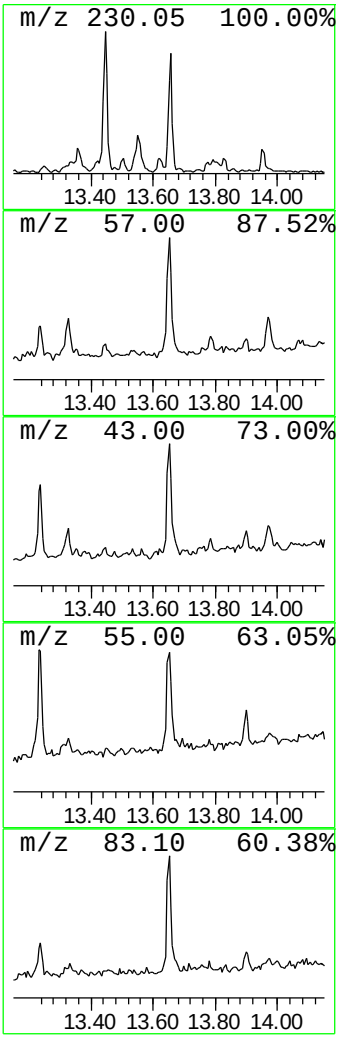
Peak Number 11 1-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	4.04 ng	323707	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	94
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	62
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	59
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58





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ClientSampleId : G-9-2

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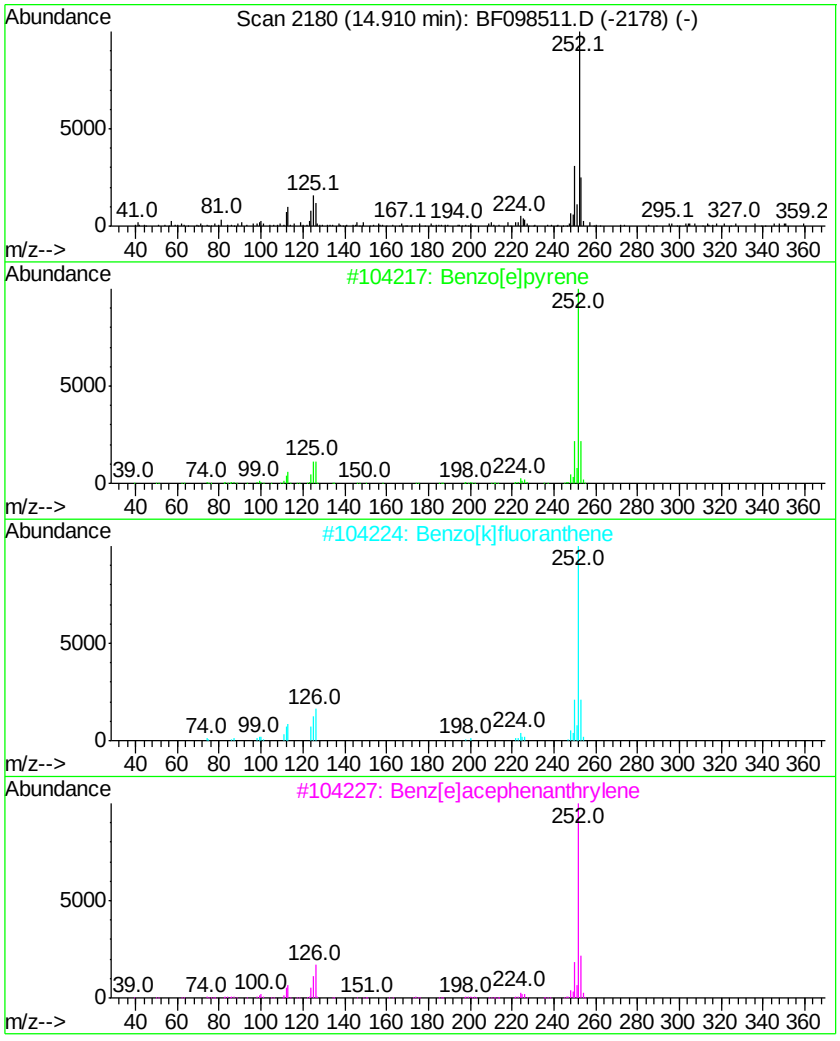
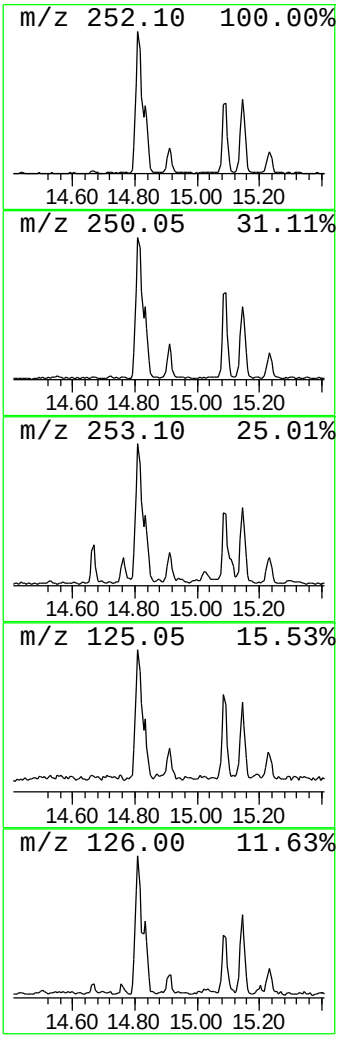
Peak Number 12 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	2.09 ng	81591	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





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Operator : SJ/JU
Sample : I5159-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-9-2

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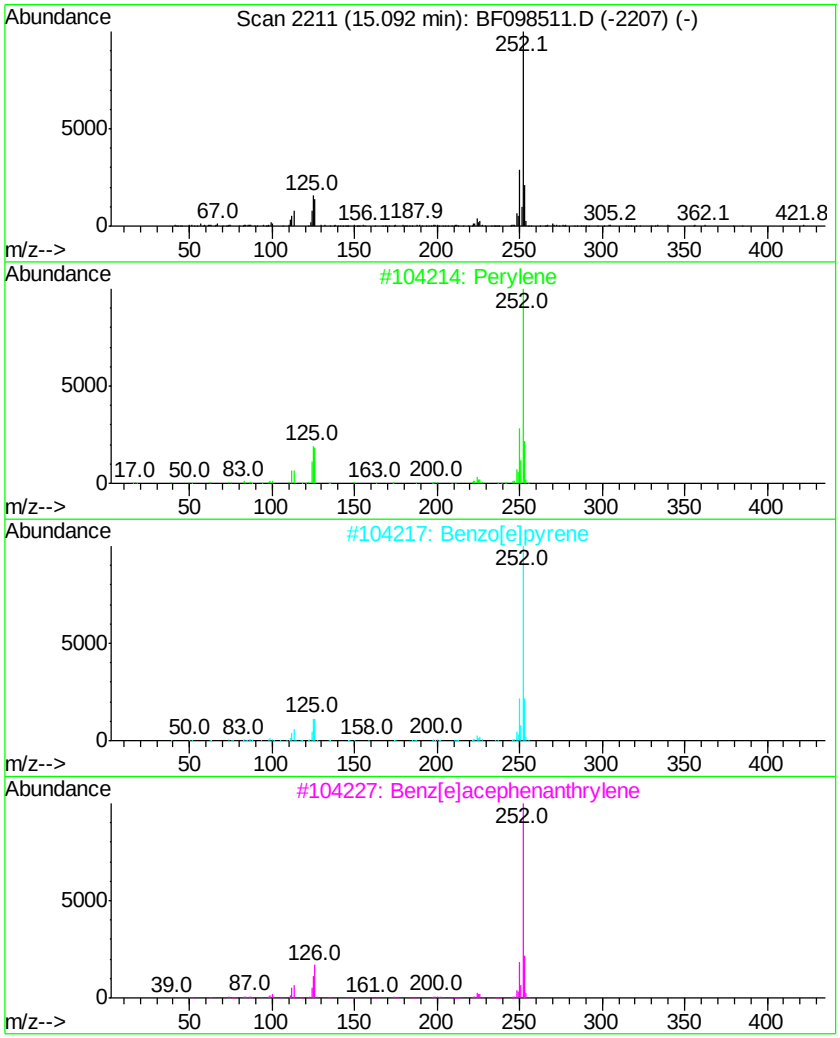
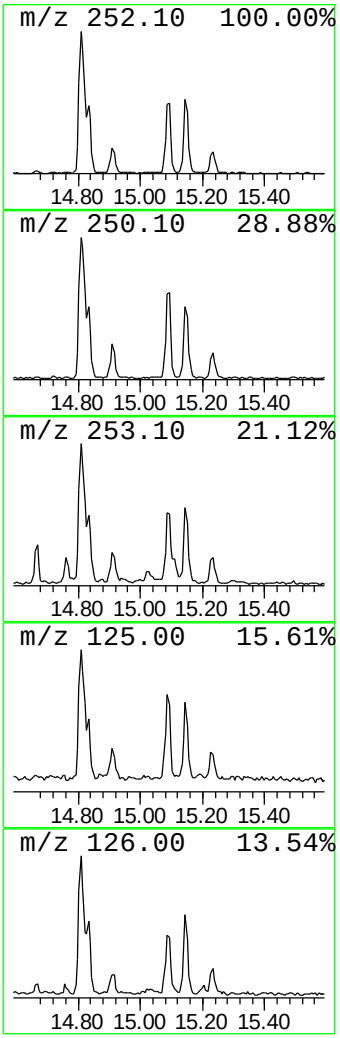
Peak Number 13 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	7.73 ng	301100	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.85	9.8	ng	530172	1	6.66	1085710	20.0
unknown6.43	6.43	97.0	ng	5264800	1	6.66	1085710	20.0
Tetracosane	10.60	5.6	ng	328984	4	11.17	1166060	20.0
Hexadecane	11.04	2.5	ng	148875	4	11.17	1166060	20.0
Anthracene, 2-met...	11.70	2.4	ng	139198	4	11.17	1166060	20.0
4H-Cyclopenta[def...	11.78	2.9	ng	169212	4	11.17	1166060	20.0
9,10-Anthracenedione	12.00	2.1	ng	122988	4	11.17	1166060	20.0
9-Octadecenamide,...	13.24	4.9	ng	390148	5	13.80	1601260	20.0
1-Nonadecene	13.65	4.0	ng	323707	5	13.80	1601260	20.0
Benzo[e]pyrene	14.91	2.1	ng	81591	6	15.20	779473	20.0
Perylene	15.09	7.7	ng	301100	6	15.20	779473	20.0