LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
Data File : BF108359.D
Acq On : 22 Aug 2018 1:15
Operator : JU/SJ
Sample : J4275-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-082018-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-BF080818.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	5.619	555	558	572	rVB	382629	346786	22.84%	1.884%
2	6.613	724	727	740	rVB	438292	372620	24.55%	2.025%
3	6.766	750	753	757	rBV	421427	378337	24.92%	2.056%
4	7.001	789	793	797	rBV	1104505	1002308	66.03%	5.446%
5	7.160	816	820	823	rBV	337639	300623	19.80%	1.633%
6	7.560	884	888	898	rBV	263892	228774	15.07%	1.243%
7	8.289	1007	1012	1015	rBV	1463538	1273466	83.89%	6.919%
8	9.001	1128	1133	1139	rBV	34458	30402	2.00%	0.165%
9	9.101	1144	1150	1154	rVB	41516	35564	2.34%	0.193%
10	9.360	1190	1194	1202	rVB	500318	433097	28.53%	2.353%
11	9.631	1236	1240	1244	rBV	24191	29734	1.96%	0.162%
12	9.701	1248	1252	1255	rBV	44753	43751	2.88%	0.238%
13	9.748	1258	1260	1263	rVV	64475	45540	3.00%	0.247%
14	9.819	1269	1272	1279	rBV	22878	25024	1.65%	0.136%
15	9.907	1284	1287	1292	rVB	57664	53655	3.53%	0.292%
16	10.048	1307	1311	1315	rBV2	1522915	1289754	84.96%	7.008%
17	10.083	1315	1317	1320	rVB	70378	54415	3.58%	0.296%
18	10.248	1341	1345	1349	rBV2	44148	53965	3.55%	0.293%
19	10.289	1349	1352	1355	rVB	29701	27828	1.83%	0.151%
20	10.360	1361	1364	1367	rBV2	30798	34329	2.26%	0.187%
21	10.454	1375	1380	1382	rBV3	21220	26846	1.77%	0.146%
22	10.595	1401	1404	1410	rVB	87655	93730	6.17%	0.509%
23	10.754	1426	1431	1434	rBV3	22618	28217	1.86%	0.153%
24	10.836	1441	1445	1449	rBV	208387	203521	13.41%	1.106%
25	10.942	1459	1463	1464	rBV3	15828	18790	1.24%	0.102%
26	10.960	1464	1466	1471	rVB3	18475	21535	1.42%	0.117%
27	11.148	1492	1498	1500	rBV3	41183	48859	3.22%	0.265%
28	11.178	1500	1503	1505	rVB2	20644	18260	1.20%	0.099%
29	11.272	1515	1519	1521	rVV3	19317	24588	1.62%	0.134%
30	11.295	1521	1523	1528	rVV2	20721	27783	1.83%	0.151%
31	11.348	1528	1532	1535	rVV2	38486	39968	2.63%	0.217%
32	11.383	1535	1538	1541	rVV2	27307	29321	1.93%	0.159%
33	11.442	1545	1548	1553	rVB	54850	50712	3.34%	0.276%
34	11.542	1561	1565	1568	rBV	1219121	1195840	78.78%	6.498%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
Data File : BF108359.D
Acq On : 22 Aug 2018 1:15
Operator : JU/SJ
Sample : J4275-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-082018-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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.566	1568	1569	1573	rVV	654375	479490	31.59%	2.605%
36	11.619	1575	1578	1581	rVV	172667	141615	9.33%	0.769%
37	11.654	1581	1584	1589	rVB3	21132	27556	1.82%	0.150%
38	11.772	1601	1604	1609	rBV3	29562	44454	2.93%	0.242%
39	11.836	1613	1615	1617	rVV	25720	20418	1.35%	0.111%
40	11.877	1617	1622	1626	rVB	55579	58917	3.88%	0.320%
41	11.960	1633	1636	1640	rVB	31804	37777	2.49%	0.205%
42	12.001	1640	1643	1645	rBV	16610	18094	1.19%	0.098%
43	12.048	1647	1651	1653	rVV	156294	152569	10.05%	0.829%
44	12.072	1653	1655	1659	rVV	193925	181493	11.96%	0.986%
45	12.125	1659	1664	1666	rVV	62612	62151	4.09%	0.338%
46	12.160	1666	1670	1672	rVV2	203270	235721	15.53%	1.281%
47	12.183	1672	1674	1678	rVB	122926	99723	6.57%	0.542%
48	12.277	1687	1690	1693	rVV2	24566	23296	1.53%	0.127%
49	12.342	1697	1701	1703	rVV2	95201	91855	6.05%	0.499%
50	12.372	1703	1706	1712	rVB3	61306	73155	4.82%	0.397%
51	12.489	1724	1726	1729	rVV2	47000	44412	2.93%	0.241%
52	12.519	1729	1731	1734	rVV	56167	52910	3.49%	0.287%
53	12.548	1734	1736	1738	rVB	52121	37823	2.49%	0.206%
54	12.595	1740	1744	1747	rBV	151306	165051	10.87%	0.897%
55	12.636	1747	1751	1753	rVV2	70255	101814	6.71%	0.553%
56	12.654	1753	1754	1756	rVB	53086	29681	1.96%	0.161%
57	12.683	1756	1759	1769	rBV3	86963	125283	8.25%	0.681%
58	12.766	1769	1773	1776	rBV	923207	821924	54.14%	4.466%
59	12.801	1776	1779	1781	rVB2	35450	26536	1.75%	0.144%
60	12.824	1781	1783	1786	rVB2	48652	38482	2.53%	0.209%
61	12.860	1786	1789	1791	rBV	44017	34469	2.27%	0.187%
62	12.889	1791	1794	1796	rBV4	18390	24628	1.62%	0.134%
63	12.919	1796	1799	1801	rVV2	34525	32741	2.16%	0.178%
64	12.977	1805	1809	1810	rBV2	151538	167071	11.01%	0.908%
65	12.995	1810	1812	1817	rVB	921789	795818	52.42%	4.324%
66	13.042	1817	1820	1824	rVB	80723	80464	5.30%	0.437%
67	13.124	1827	1834	1837	rBV	371468	379915	25.03%	2.064%
68	13.148	1837	1838	1842	rVB2	57614	45476	3.00%	0.247%
69	13.207	1844	1848	1853	rBV3	94990	174758	11.51%	0.950%
70	13.266	1855	1858	1860	rBV4	24606	20529	1.35%	0.112%
71	13.295	1860	1863	1864	rBV3	69942	67856	4.47%	0.369%

LSC Area Percent Report

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Sample : J4275-13 10X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-082018-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.319	1864	1867	1872	rVB	140068	159857	10.53%	0.869%
73	13.366	1872	1875	1876	rBV3	29803	24969	1.64%	0.136%
74	13.389	1876	1879	1881	rVB	83820	69675	4.59%	0.379%
75	13.424	1881	1885	1888	rBV2	120601	130355	8.59%	0.708%
76	13.483	1893	1895	1899	rBV4	24647	30415	2.00%	0.165%
77	13.524	1899	1902	1904	rBV	88403	83798	5.52%	0.455%
78	13.554	1904	1907	1910	rVV	87574	72806	4.80%	0.396%
79	13.636	1919	1921	1924	rVB4	28260	25519	1.68%	0.139%
80	13.807	1947	1950	1952	rBV2	53977	56307	3.71%	0.306%
81	13.830	1952	1954	1959	rVB	98548	93542	6.16%	0.508%
82	13.895	1962	1965	1968	rVB	31575	28822	1.90%	0.157%
83	13.948	1968	1974	1976	rBV2	94836	149079	9.82%	0.810%
84	13.971	1976	1978	1980	rVV	77741	62174	4.10%	0.338%
85	14.001	1980	1983	1987	rVV2	63935	92086	6.07%	0.500%
86	14.042	1987	1990	1994	rVB	81973	91065	6.00%	0.495%
87	14.195	2011	2016	2019	rBV2	1176624	1518034	100.00%	8.248%
88	14.224	2019	2021	2026	rVB	451982	377563	24.87%	2.051%
89	14.283	2028	2031	2032	rBV3	25808	26539	1.75%	0.144%
90	14.307	2032	2035	2037	rBV	62559	54748	3.61%	0.297%
91	14.583	2077	2082	2084	rBV	130717	144985	9.55%	0.788%
92	14.613	2084	2087	2092	rVB3	78331	105157	6.93%	0.571%
93	14.718	2102	2105	2107	rBV	50112	49047	3.23%	0.266%
94	15.289	2197	2202	2205	rBV	259707	435791	28.71%	2.368%
95	15.401	2219	2221	2225	rBV	53579	52031	3.43%	0.283%
96	15.618	2254	2258	2265	rVB	154216	222072	14.63%	1.207%
97	15.683	2265	2269	2274	rBV	246866	324227	21.36%	1.762%
98	15.754	2276	2281	2285	rBV	599652	797709	52.55%	4.334%
99	17.359	2550	2554	2560	rBV2	66797	132433	8.72%	0.720%
100	17.848	2634	2637	2644	rVB	49059	89682	5.91%	0.487%

Sum of corrected areas: 18404354

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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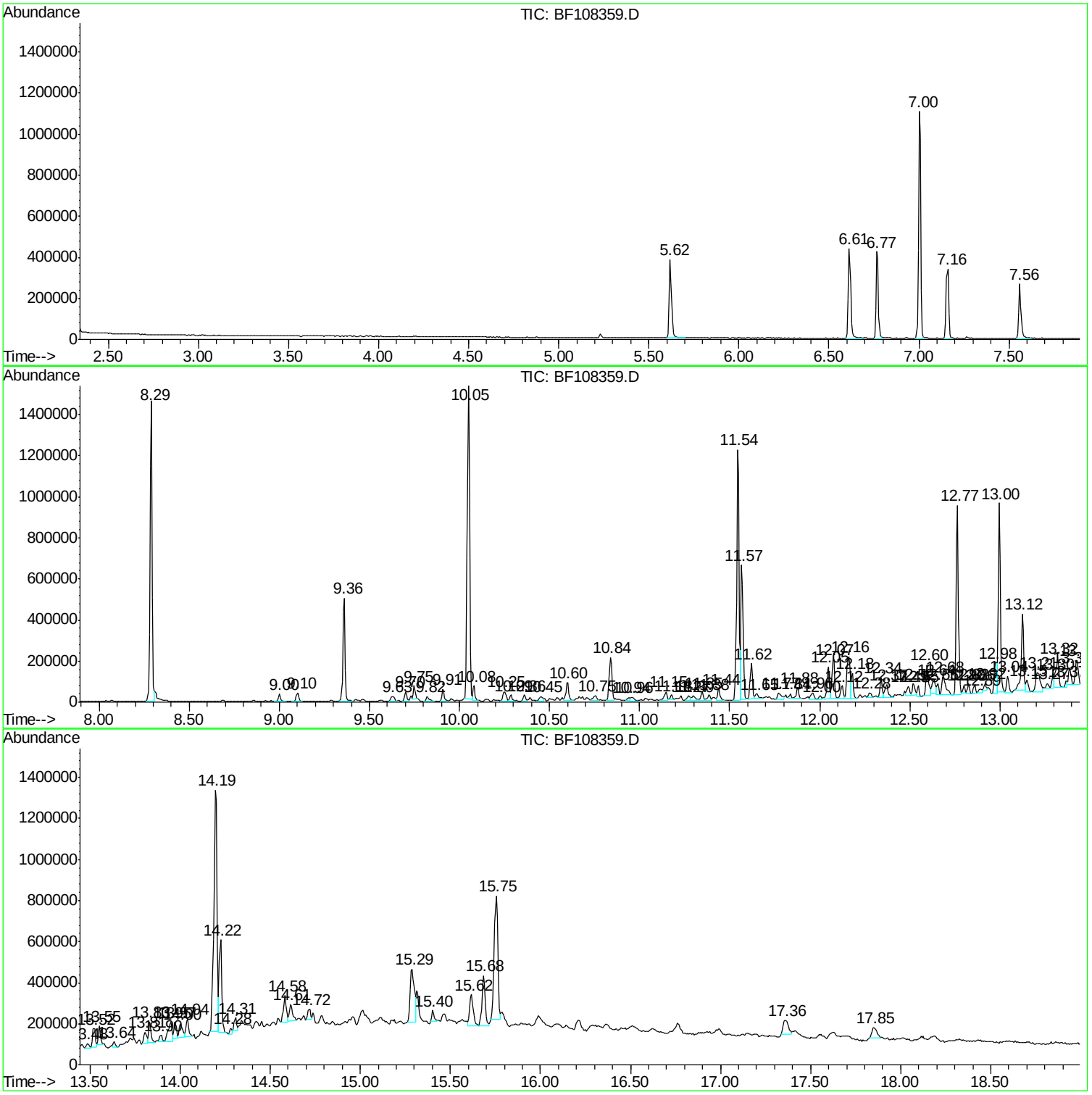
Acq On : 22 Aug 2018 1:15
Operator : JU/SJ
Sample : J4275-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-082018-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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

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Instrument : BNA_F
ClientSampleId : CL-01-082018-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

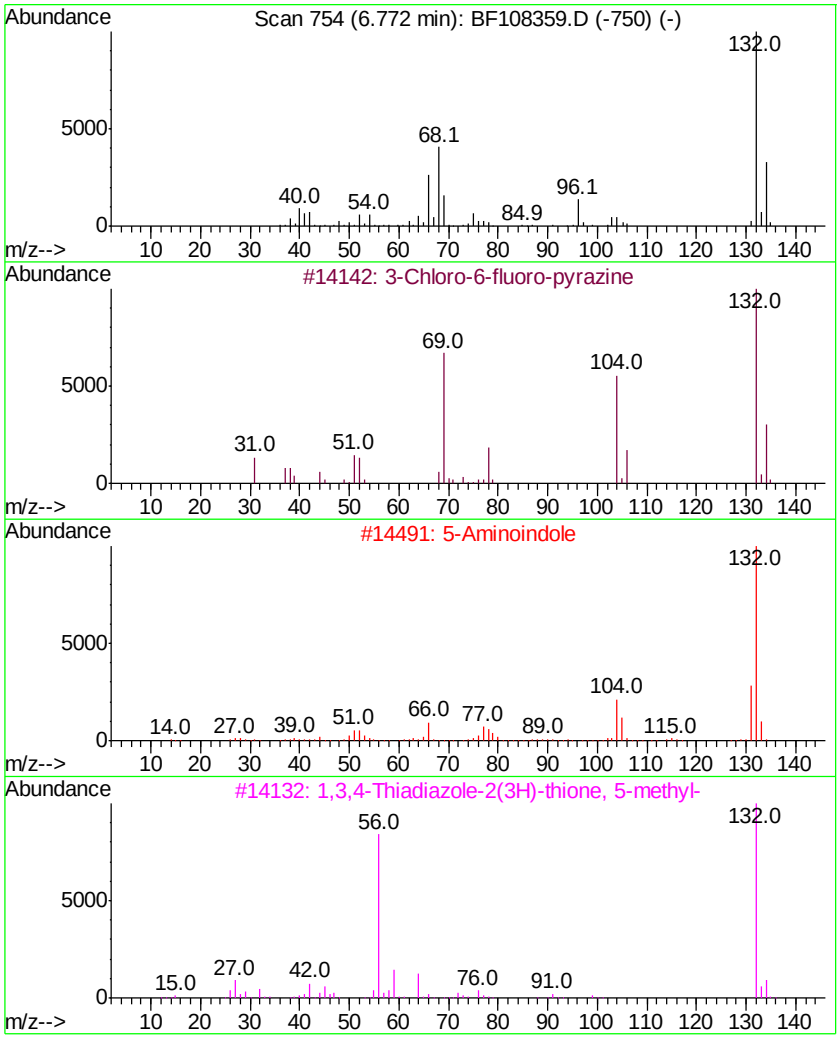
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

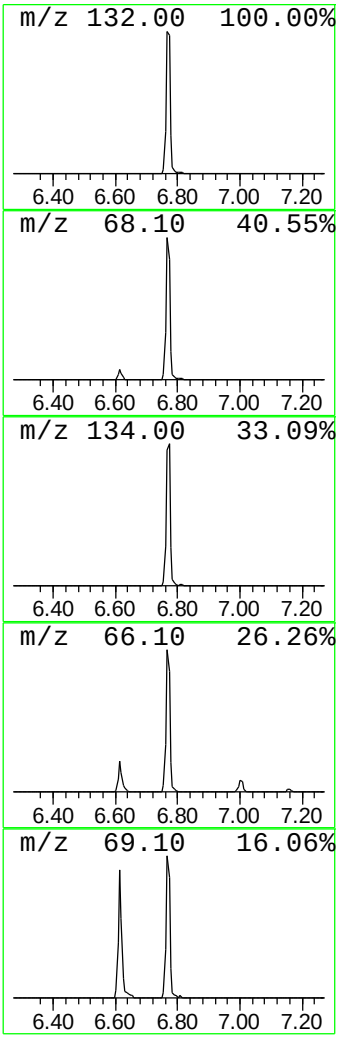
****

Peak Number 1 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	7.55 ng	378337	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

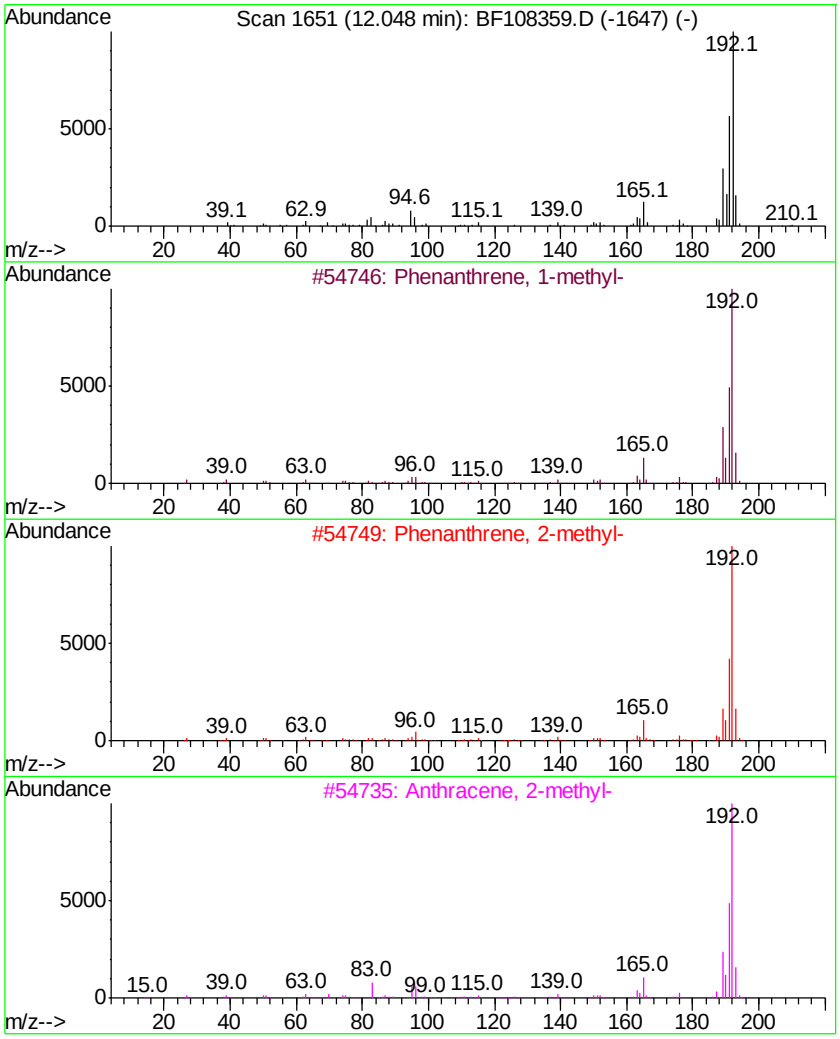
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

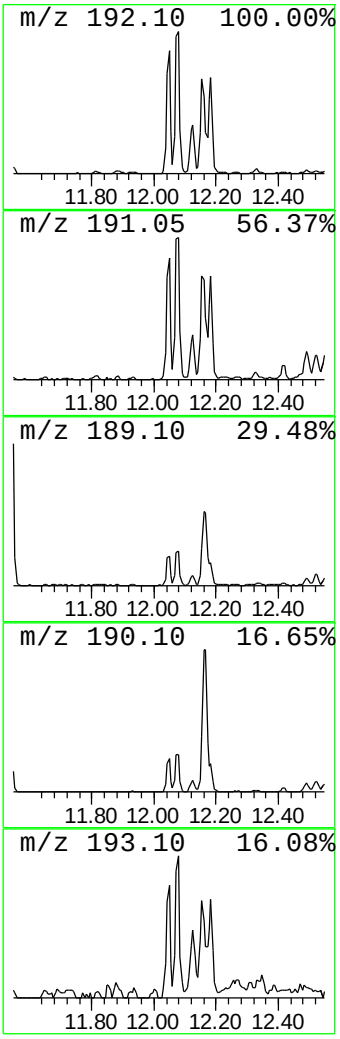
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.55 ng	152569	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

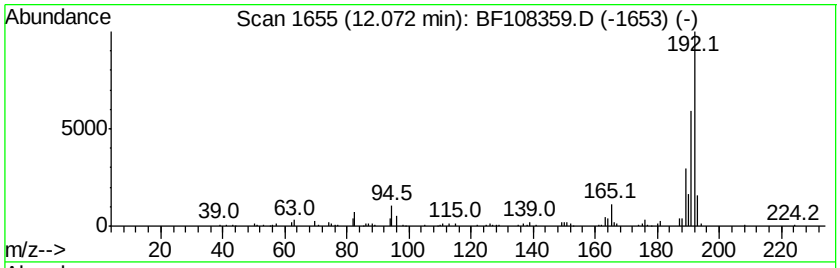
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

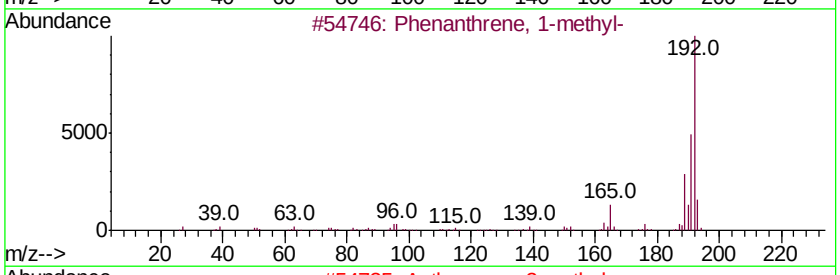
****

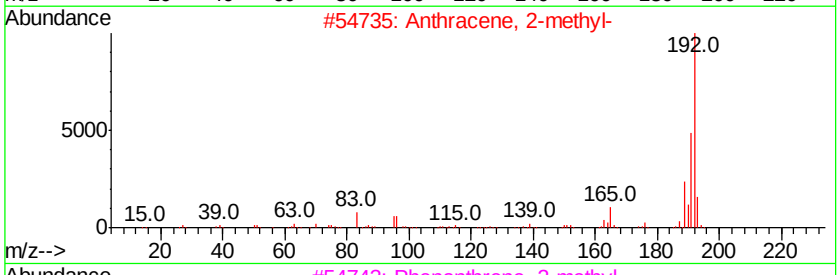
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

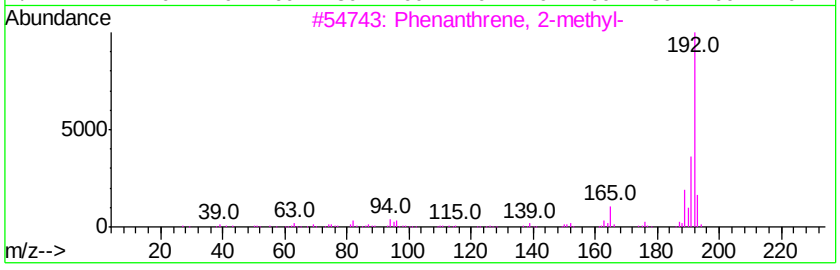
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.04 ng	181493	Phenanthrene-d10	11.54

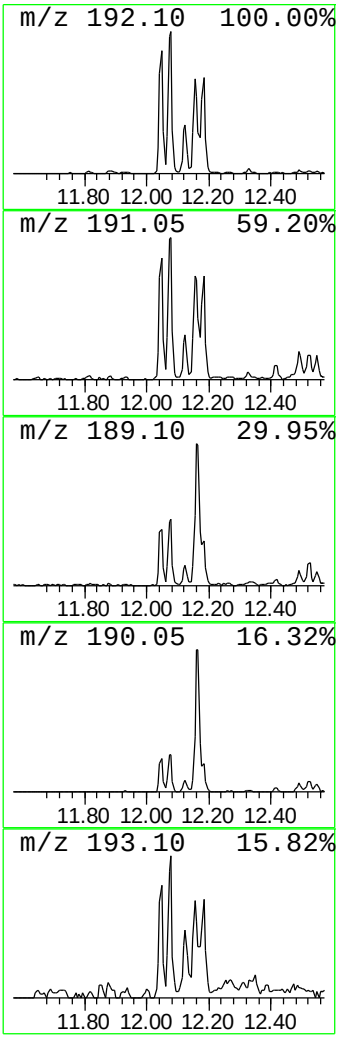
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93











Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-082018-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

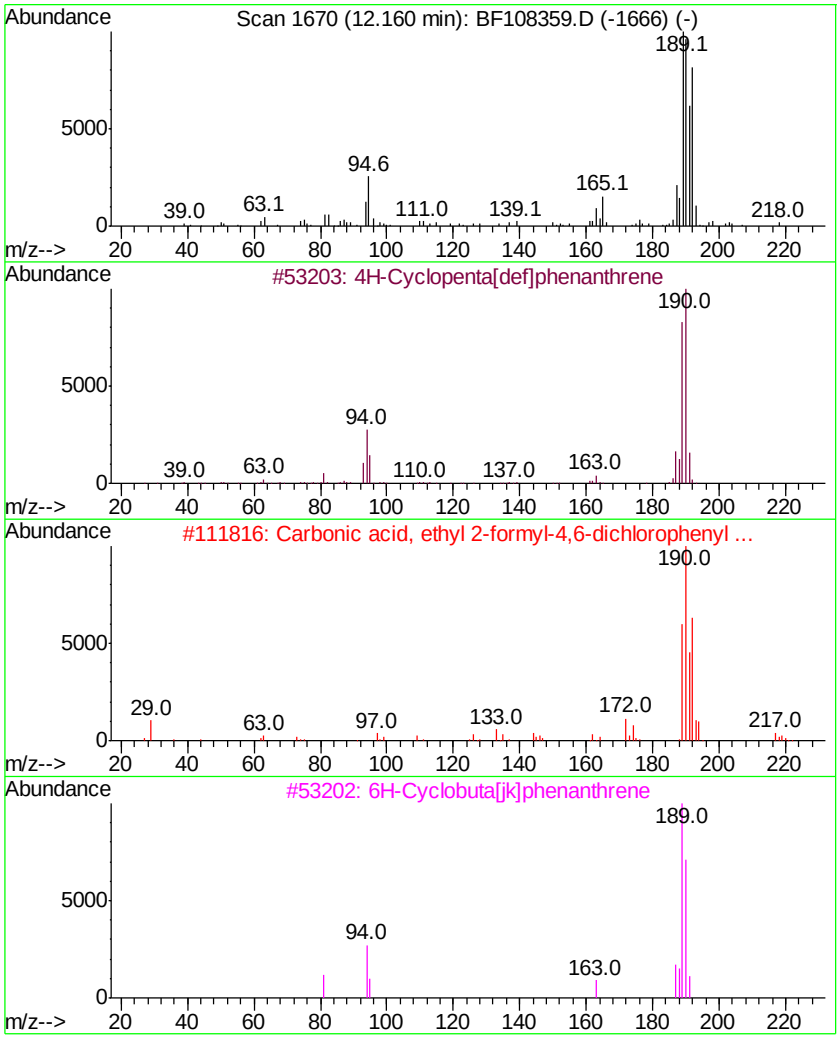
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

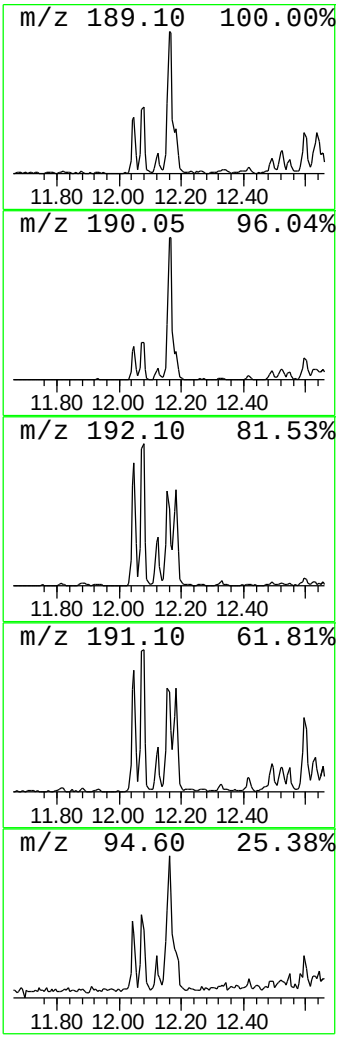
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.94 ng	235721	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
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	30





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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-082018-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

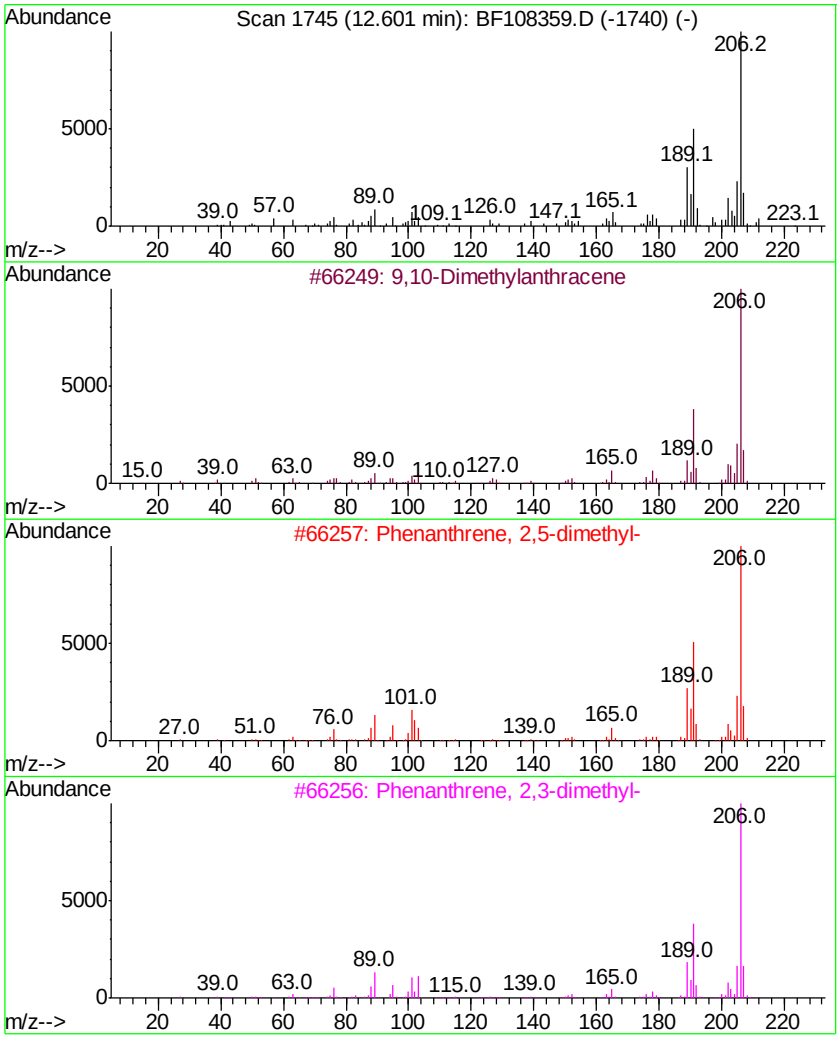
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

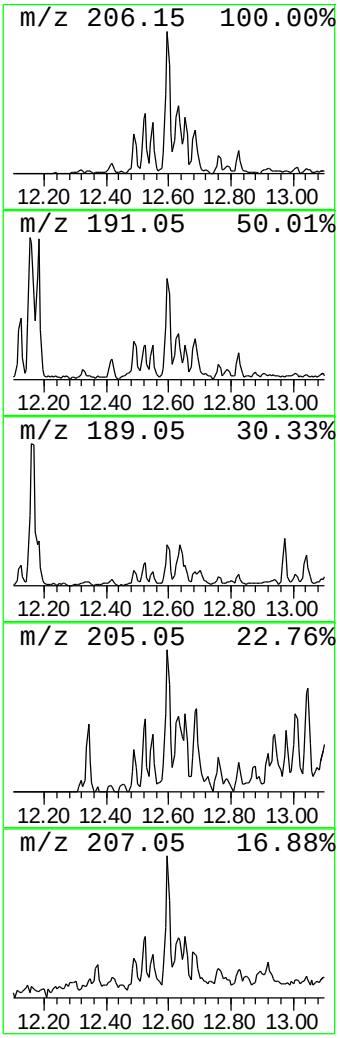
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.76 ng	165051	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
Data File : BF108359.D
Acq On : 22 Aug 2018 1:15
Operator : JU/SJ
Sample : J4275-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-082018-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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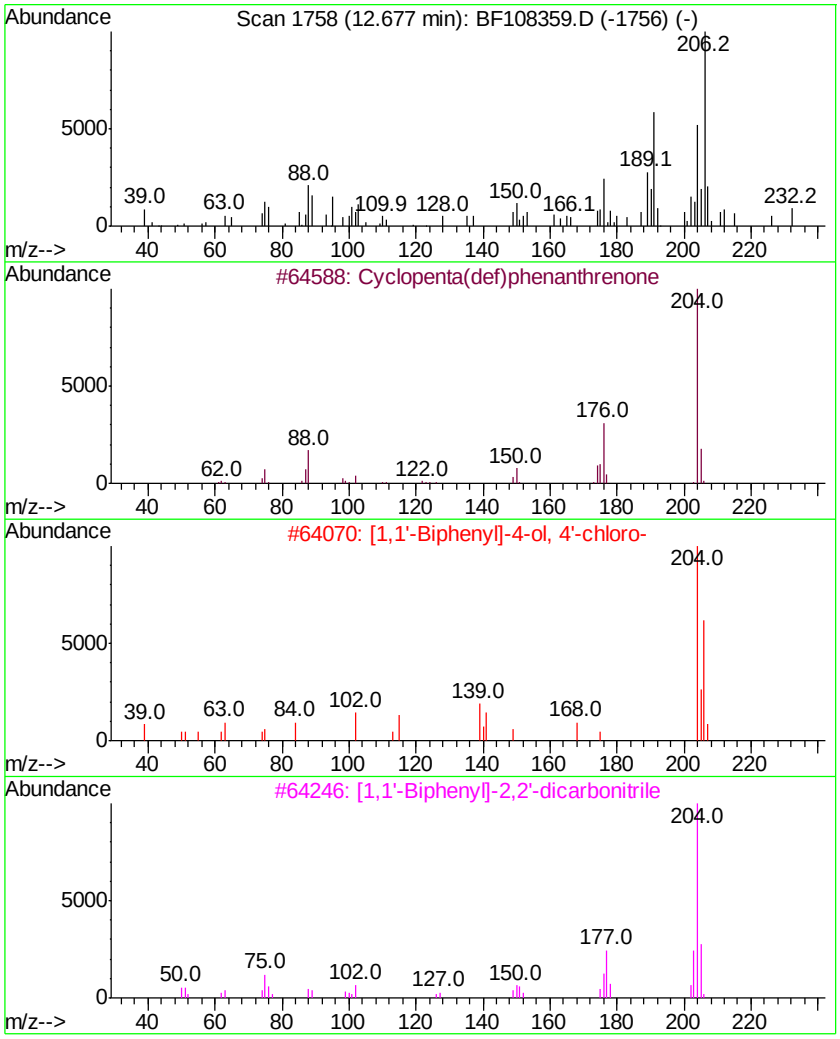
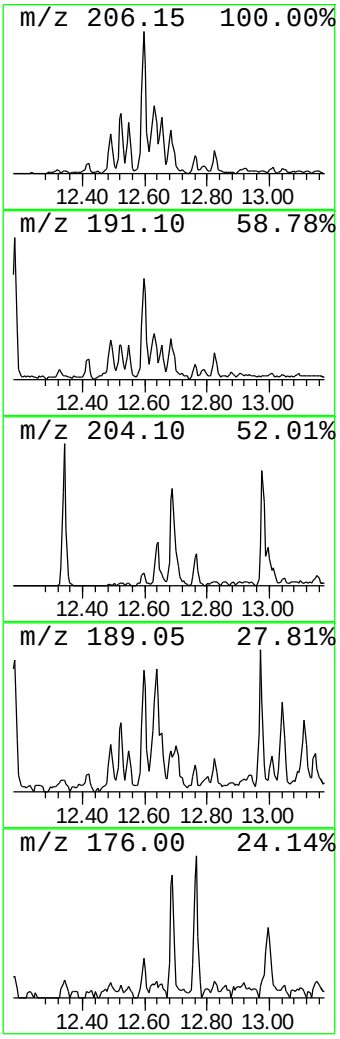
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.10 ng	125283	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-082018-C

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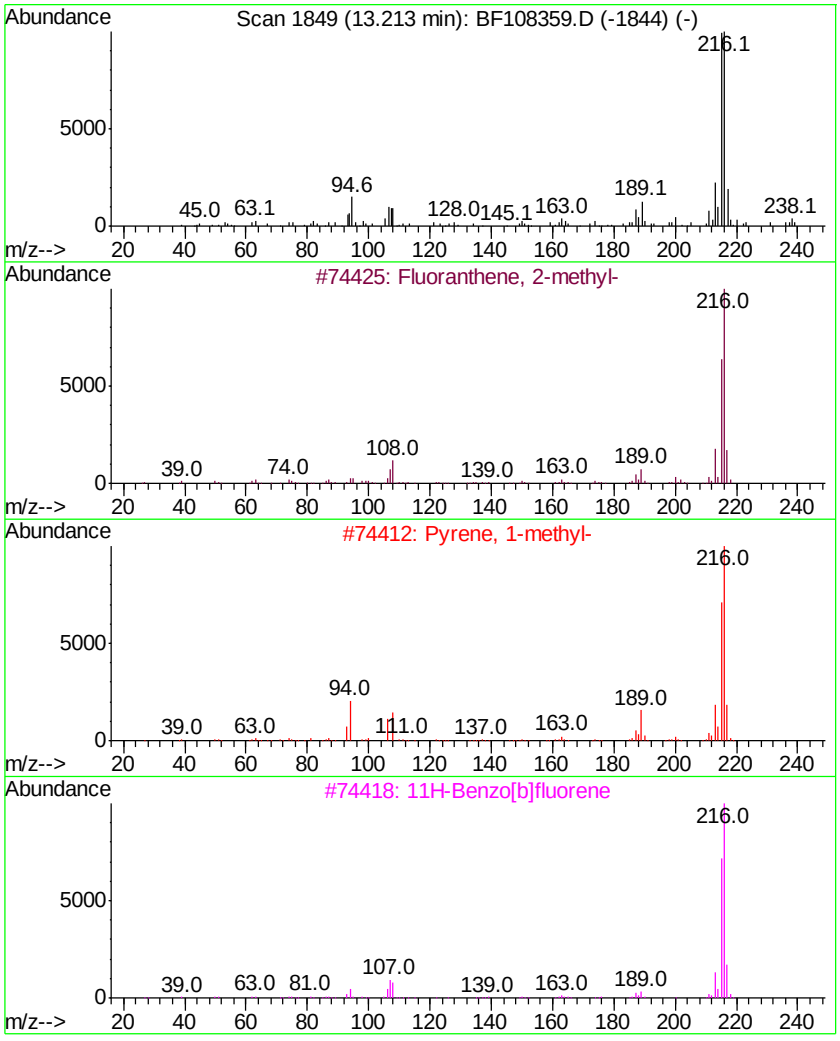
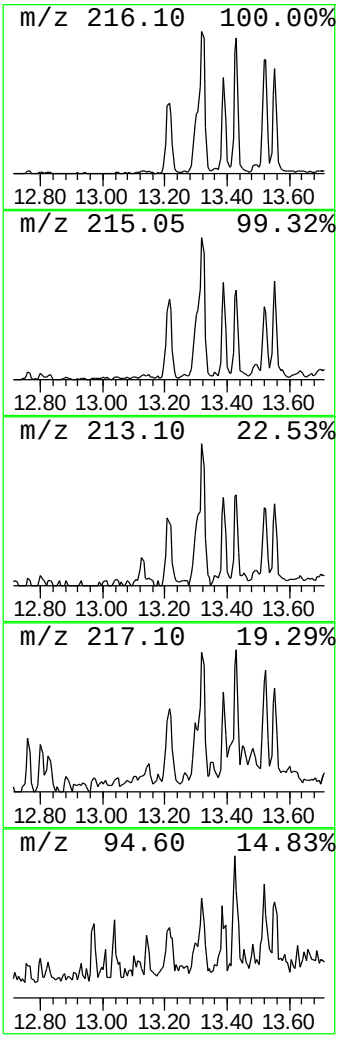
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.30 ng	174758	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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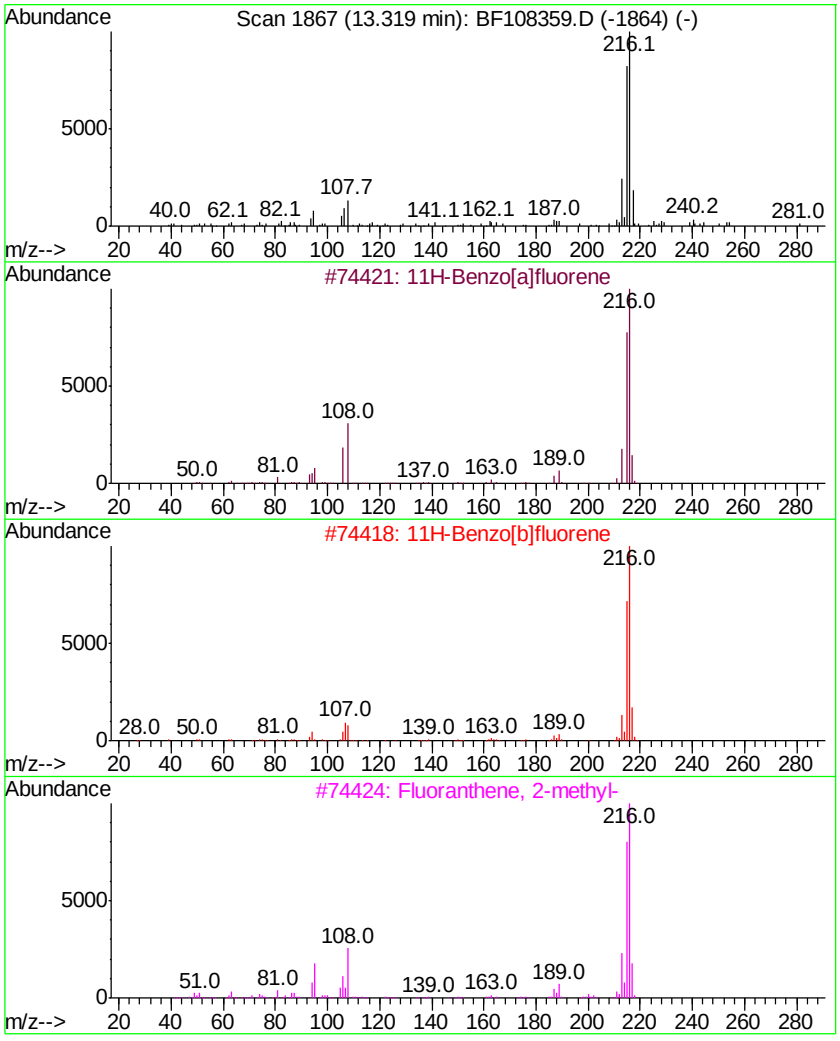
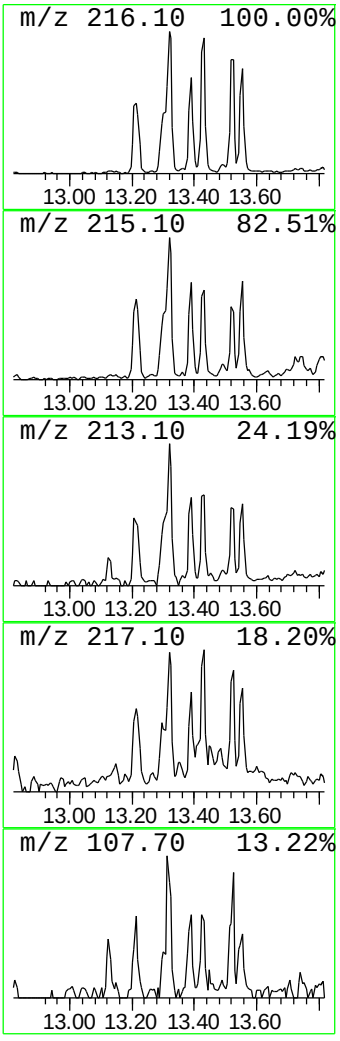
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.11 ng	159857	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





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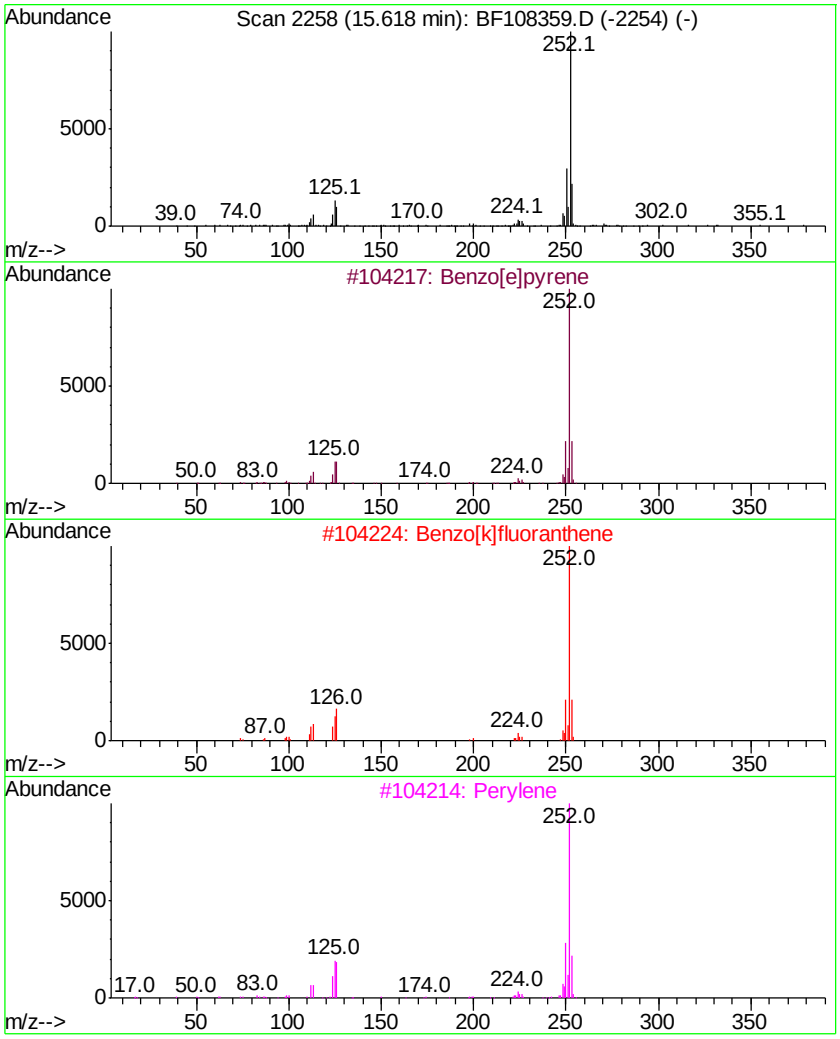
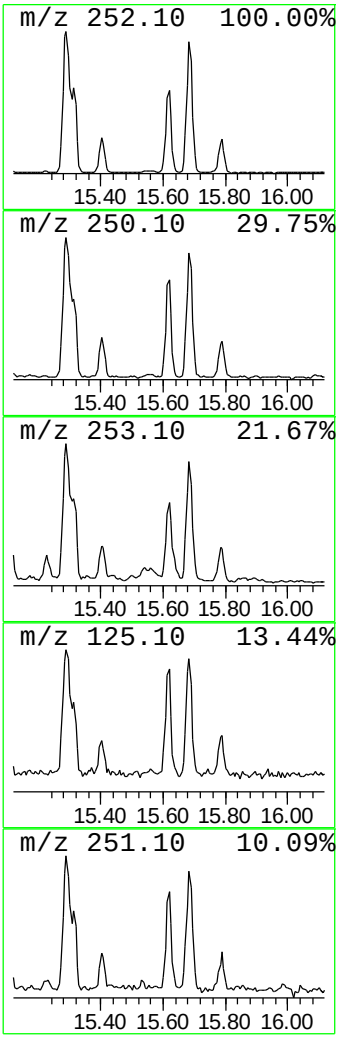
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	5.57 ng	222072	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.77	6.77	7.5	ng	378337	1	7.00	1002310	20.0
Phenanthrene, 1-m...	12.05	2.5	ng	152569	4	11.54	1195840	20.0
Anthracene, 2-met...	12.07	3.0	ng	181493	4	11.54	1195840	20.0
4H-Cyclopenta[def...	12.16	3.9	ng	235721	4	11.54	1195840	20.0
9,10-Dimethylanth...	12.60	2.8	ng	165051	4	11.54	1195840	20.0
Cyclopenta(def)ph...	12.68	2.1	ng	125283	4	11.54	1195840	20.0
Fluoranthene, 2-m...	13.21	2.3	ng	174758	5	14.20	1518030	20.0
11H-Benzo[a]fluorene	13.32	2.1	ng	159857	5	14.20	1518030	20.0
Benzo[e]pyrene	15.62	5.6	ng	222072	6	15.75	797709	20.0