LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

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-BF092218.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	5.298	543	546	558	rVB	359507	335801	24.24%	1.520%
2	6.328	718	721	732	rBV	403603	371606	26.83%	1.682%
3	6.469	741	745	748	rBV	474704	373229	26.95%	1.689%
4	6.704	781	785	788	rBV	957894	741698	53.55%	3.357%
5	6.857	808	811	815	rBV	348311	292534	21.12%	1.324%
6	7.257	876	879	883	rBV	260503	213446	15.41%	0.966%
7	7.986	999	1003	1006	rBV	1266674	981219	70.84%	4.441%
8	8.798	1135	1141	1144	rBV	109019	95570	6.90%	0.433%
9	9.063	1182	1186	1189	rBV	514226	447143	32.28%	2.024%
10	9.186	1204	1207	1212	rVV	125302	108172	7.81%	0.490%
11	9.327	1226	1231	1234	rBV	79380	100181	7.23%	0.453%
12	9.398	1239	1243	1245	rBV	150687	136101	9.83%	0.616%
13	9.422	1245	1247	1250	rVB	97509	70641	5.10%	0.320%
14	9.451	1250	1252	1256	rBV	112286	91264	6.59%	0.413%
15	9.510	1258	1262	1264	rBV	68557	60952	4.40%	0.276%
16	9.592	1272	1276	1280	rBV	80036	73908	5.34%	0.334%
17	9.733	1295	1300	1303	rBV	1166901	1057491	76.35%	4.786%
18	9.769	1303	1306	1310	rVB	134187	118008	8.52%	0.534%
19	9.845	1315	1319	1323	rBV2	35243	45213	3.26%	0.205%
20	9.939	1329	1335	1338	rVV	118446	112611	8.13%	0.510%
21	9.980	1338	1342	1344	rVB	71377	58899	4.25%	0.267%
22	10.051	1350	1354	1357	rBV	64858	68423	4.94%	0.310%
23	10.145	1365	1370	1371	rVV	44892	55434	4.00%	0.251%
24	10.233	1379	1385	1389	rVV3	34751	58303	4.21%	0.264%
25	10.280	1389	1393	1396	rVV	242478	230471	16.64%	1.043%
26	10.327	1398	1401	1402	rVV	70746	62860	4.54%	0.284%
27	10.345	1402	1404	1406	rVV	69442	64978	4.69%	0.294%
28	10.392	1410	1412	1417	rVV4	37913	56550	4.08%	0.256%
29	10.433	1417	1419	1425	rVV3	53129	66501	4.80%	0.301%
30	10.516	1425	1433	1438	rVV	301399	290019	20.94%	1.313%
31	10.827	1480	1486	1488	rBV2	93263	122751	8.86%	0.556%
32	10.851	1488	1490	1494	rVV	83359	75701	5.47%	0.343%
33	10.910	1497	1500	1503	rVB2	69601	64273	4.64%	0.291%
34	10.957	1503	1508	1509	rBV2	32479	49086	3.54%	0.222%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.974	1509	1511	1516	rVV3	40738	50439	3.64%	0.228%
36	11.063	1523	1526	1529	rVV4	34064	42195	3.05%	0.191%
37	11.104	1529	1533	1536	rVV	103755	109492	7.91%	0.496%
38	11.210	1547	1551	1553	rBV	1062634	938958	67.79%	4.249%
39	11.233	1553	1555	1559	rVV	1076259	893799	64.53%	4.045%
40	11.286	1559	1564	1567	rVV	219707	197239	14.24%	0.893%
41	11.321	1567	1570	1573	rVV2	65212	72813	5.26%	0.330%
42	11.439	1587	1590	1593	rVV	50774	58698	4.24%	0.266%
43	11.539	1604	1607	1611	rVB	104364	95796	6.92%	0.434%
44	11.621	1618	1621	1625	rVB	63849	66787	4.82%	0.302%
45	11.710	1631	1636	1639	rBV	270291	274785	19.84%	1.244%
46	11.739	1639	1641	1646	rVB	381165	298449	21.55%	1.351%
47	11.786	1646	1649	1651	rBV	109183	94176	6.80%	0.426%
48	11.821	1651	1655	1657	rVV	482551	474179	34.24%	2.146%
49	11.845	1657	1659	1662	rVV	227836	176254	12.73%	0.798%
50	11.945	1671	1676	1678	rVB2	50387	52952	3.82%	0.240%
51	12.004	1683	1686	1688	rBV	133509	105793	7.64%	0.479%
52	12.021	1688	1689	1697	rVB3	75408	106565	7.69%	0.482%
53	12.133	1706	1708	1710	rBV	43447	43683	3.15%	0.198%
54	12.157	1710	1712	1714	rVB	59579	45009	3.25%	0.204%
55	12.186	1714	1717	1719	rBV	89805	75065	5.42%	0.340%
56	12.210	1719	1721	1724	rVB2	80414	62362	4.50%	0.282%
57	12.263	1724	1730	1732	rBV	217641	245105	17.70%	1.109%
58	12.292	1732	1735	1738	rBV	116914	127128	9.18%	0.575%
59	12.315	1738	1739	1741	rVB	81796	42928	3.10%	0.194%
60	12.357	1741	1746	1748	rBV3	77546	129980	9.38%	0.588%
61	12.415	1753	1756	1760	rBV	1145369	1072946	77.47%	4.856%
62	12.468	1761	1765	1766	rBV	77763	72771	5.25%	0.329%
63	12.568	1779	1782	1786	rVB2	51678	62294	4.50%	0.282%
64	12.645	1789	1795	1798	rBV	1299307	1272367	91.86%	5.758%
65	12.668	1798	1799	1801	rVV	75111	42831	3.09%	0.194%
66	12.710	1801	1806	1809	rVB2	61446	99638	7.19%	0.451%
67	12.762	1812	1815	1817	rBV	64864	50857	3.67%	0.230%
68	12.786	1817	1819	1827	rVB	358774	399134	28.82%	1.806%
69	12.863	1827	1832	1835	rBV2	134601	184465	13.32%	0.835%
70	12.921	1839	1842	1844	rBV3	42462	46751	3.38%	0.212%
71	12.951	1844	1847	1848	rBV3	90404	101592	7.33%	0.460%

LSC Area Percent Report

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Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.974	1848	1851	1854	rVB	258209	255455	18.44%	1.156%
73	13.039	1859	1862	1865	rVB	231668	192016	13.86%	0.869%
74	13.074	1865	1868	1871	rBV2	244312	218909	15.80%	0.991%
75	13.168	1880	1884	1886	rVV	159026	156838	11.32%	0.710%
76	13.198	1886	1889	1893	rVB	172338	149548	10.80%	0.677%
77	13.374	1917	1919	1921	rBV2	40949	44053	3.18%	0.199%
78	13.457	1929	1933	1934	rBV2	53651	63748	4.60%	0.289%
79	13.586	1950	1955	1958	rBV2	128030	190213	13.73%	0.861%
80	13.615	1958	1960	1962	rVV	82679	64684	4.67%	0.293%
81	13.639	1962	1964	1968	rVB3	52873	57837	4.18%	0.262%
82	13.833	1990	1997	2000	rBV2	973793	1385063	100.00%	6.268%
83	13.862	2000	2002	2005	rVB	563842	423284	30.56%	1.916%
84	13.939	2013	2015	2017	rVB	75656	51849	3.74%	0.235%
85	14.057	2032	2035	2039	rBV2	38339	50791	3.67%	0.230%
86	14.186	2054	2057	2058	rBV	50652	43472	3.14%	0.197%
87	14.221	2059	2063	2066	rVV	178120	183675	13.26%	0.831%
88	14.257	2066	2069	2072	rVB	111163	102179	7.38%	0.462%
89	14.292	2072	2075	2077	rBV2	38688	55849	4.03%	0.253%
90	14.315	2077	2079	2081	rBV	61808	49605	3.58%	0.224%
91	14.345	2081	2084	2086	rBV	64554	56772	4.10%	0.257%
92	14.627	2129	2132	2136	rVB3	58103	86340	6.23%	0.391%
93	14.845	2164	2169	2171	rBV	440787	621505	44.87%	2.813%
94	14.939	2182	2185	2189	rVB2	118928	127819	9.23%	0.578%
95	15.121	2212	2216	2221	rVB	316405	376778	27.20%	1.705%
96	15.174	2221	2225	2231	rBV	390965	461348	33.31%	2.088%
97	15.239	2231	2236	2239	rBV	545395	647531	46.75%	2.931%
98	15.686	2310	2312	2316	rVB2	62065	66875	4.83%	0.303%
99	16.574	2458	2463	2471	rVB2	146467	272047	19.64%	1.231%
100	16.980	2527	2532	2538	rVB	109156	202686	14.63%	0.917%

Sum of corrected areas: 22096081

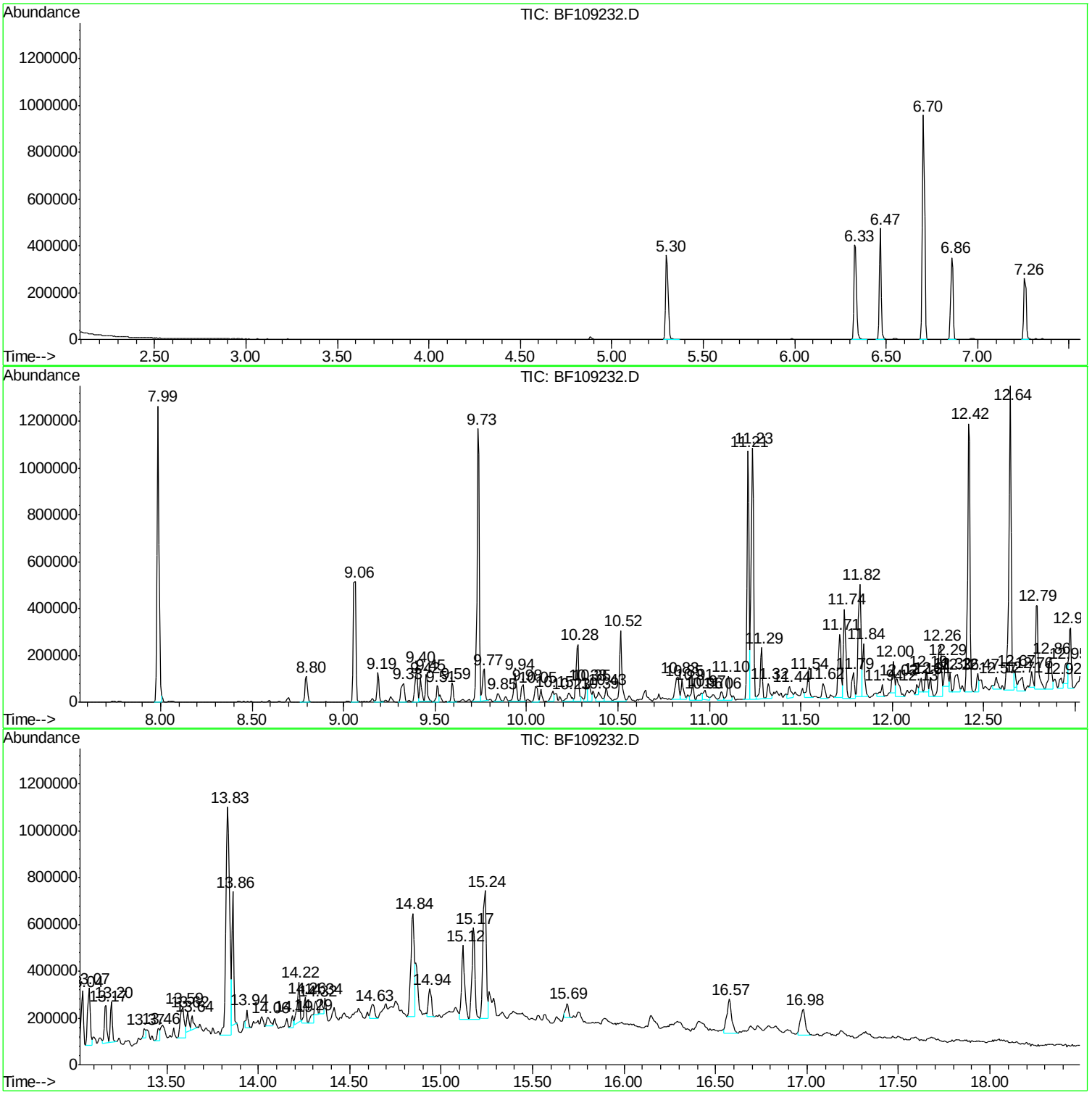
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

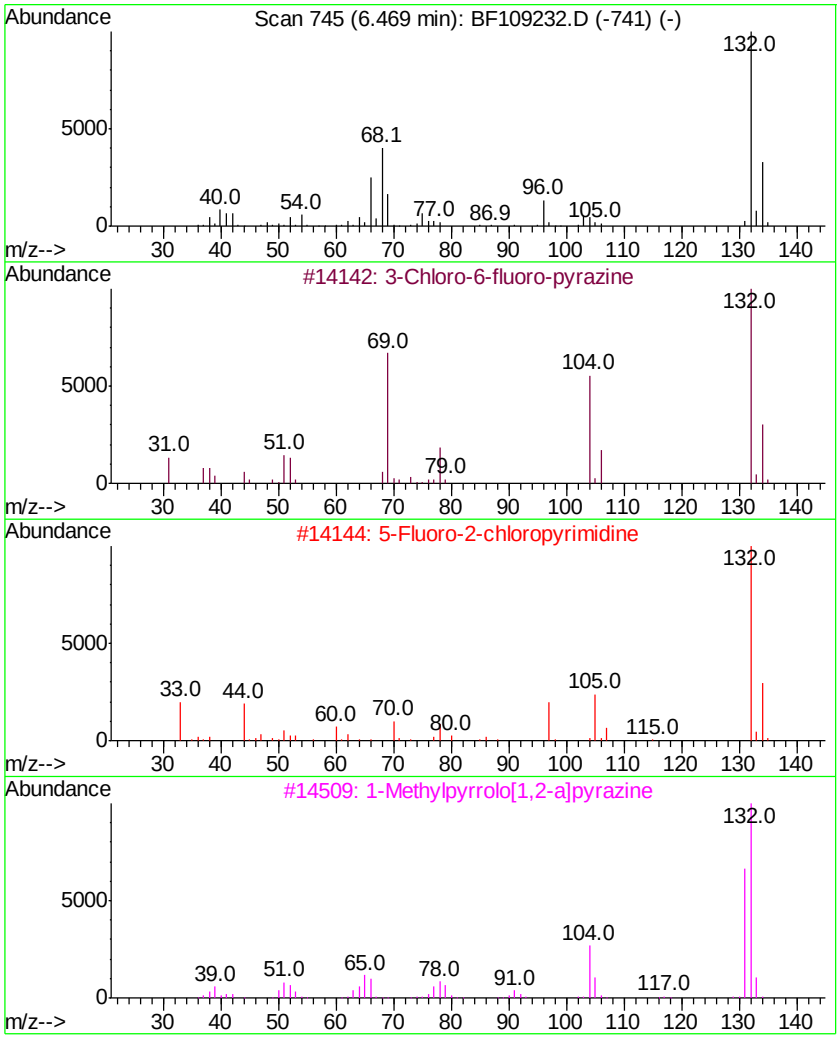
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

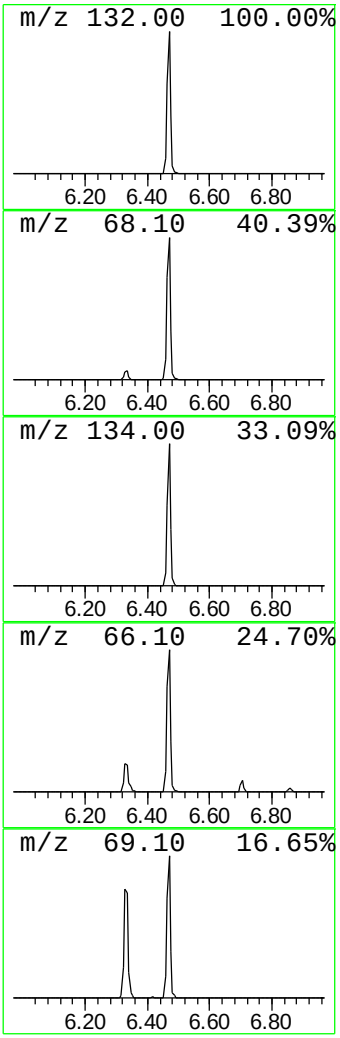
****

Peak Number 1 unknown6.47 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	10.06 ng	373229	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

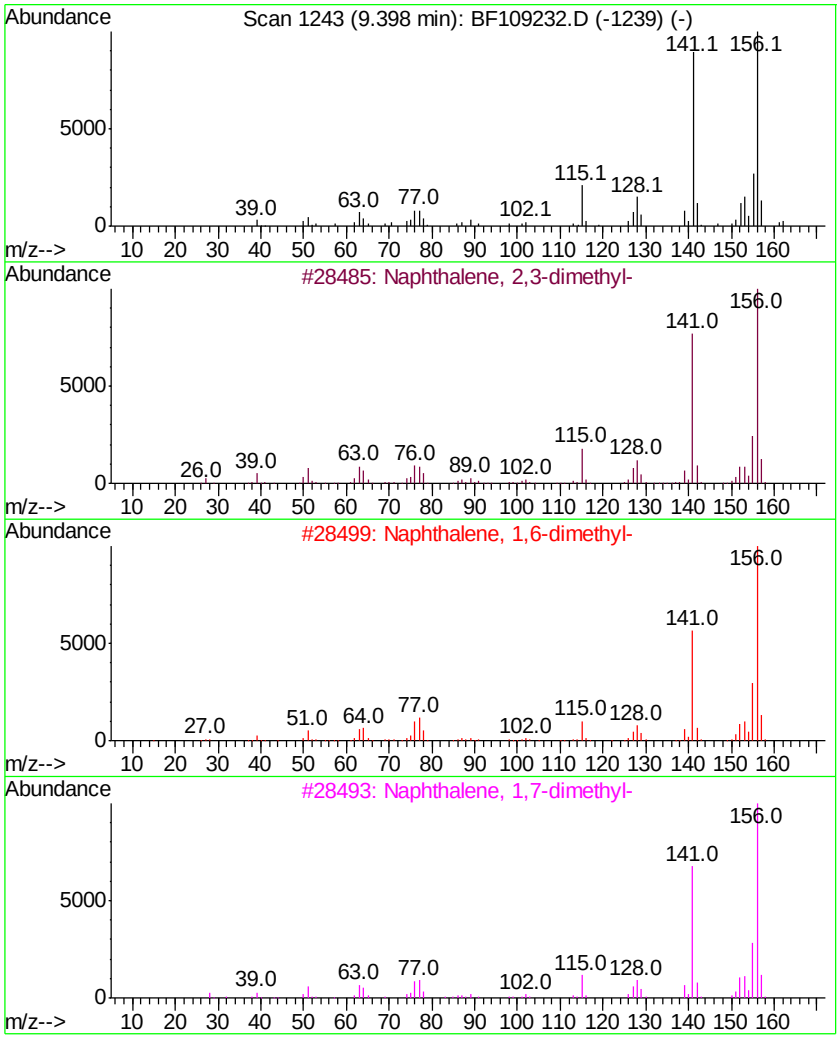
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

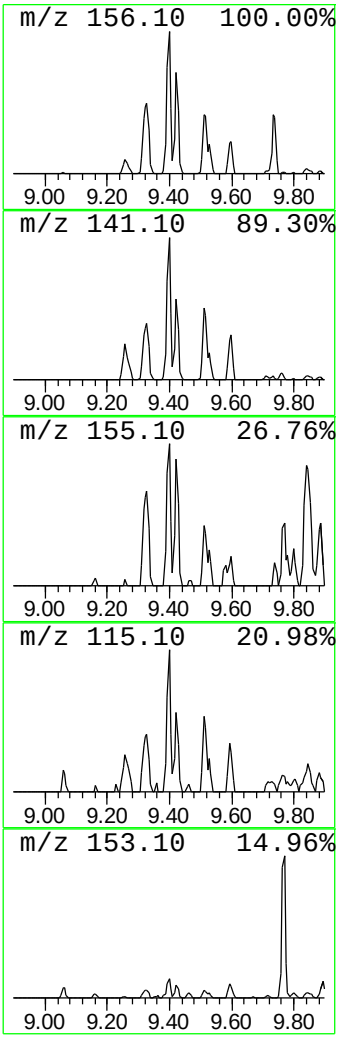
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.57 ng	136101	Acenaphthene-d10	9.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
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Sample : J4777-17 5X
Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

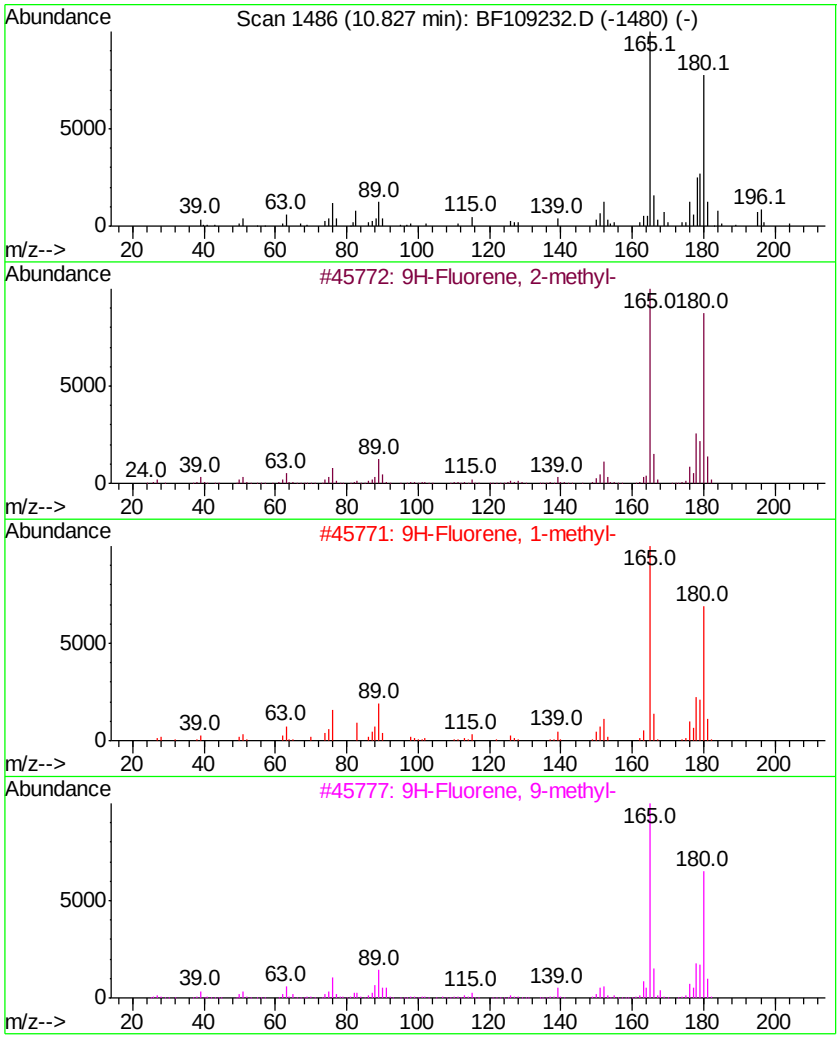
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

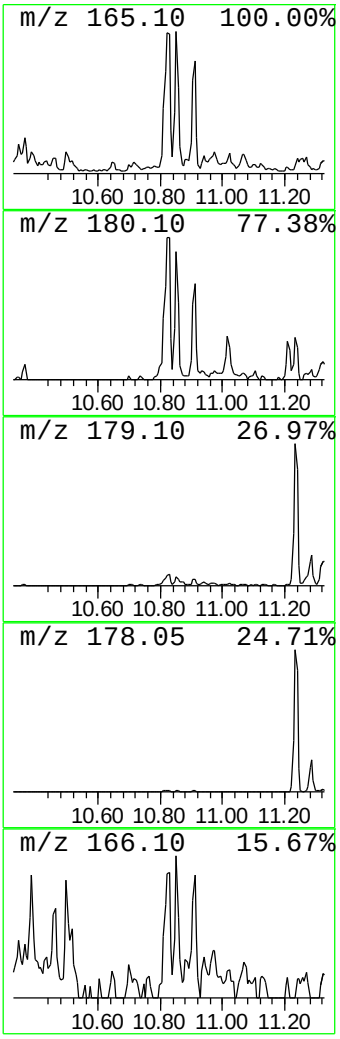
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	2.61 ng	122751	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

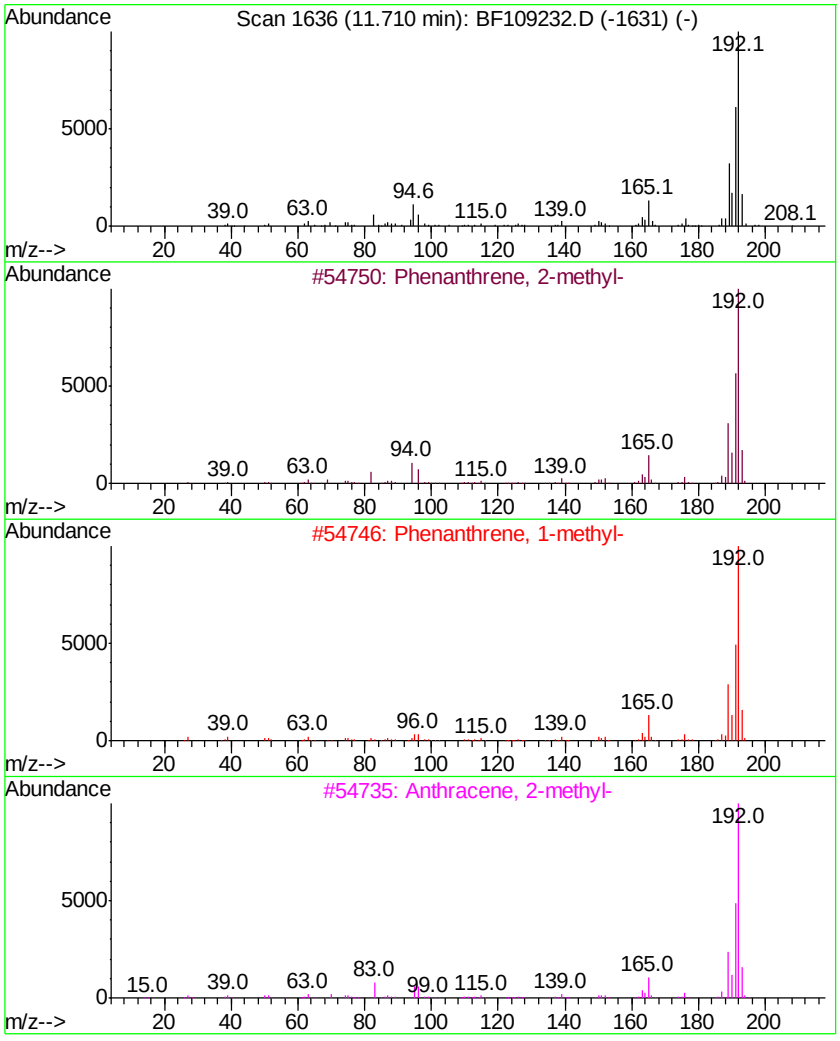
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

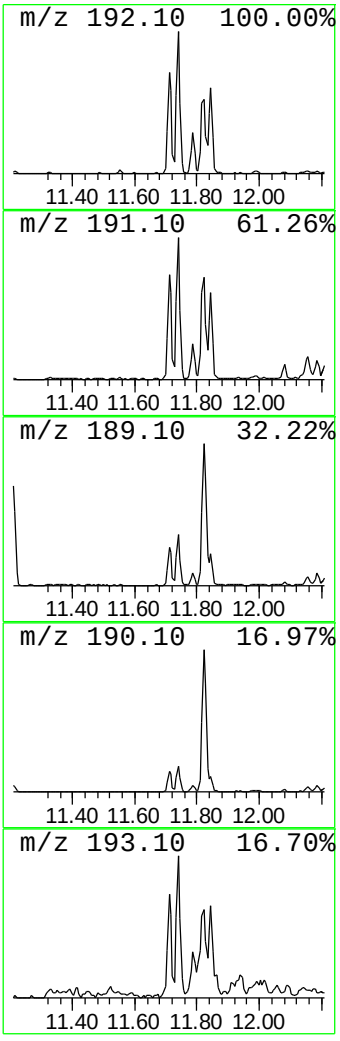
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	5.85 ng	274785	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

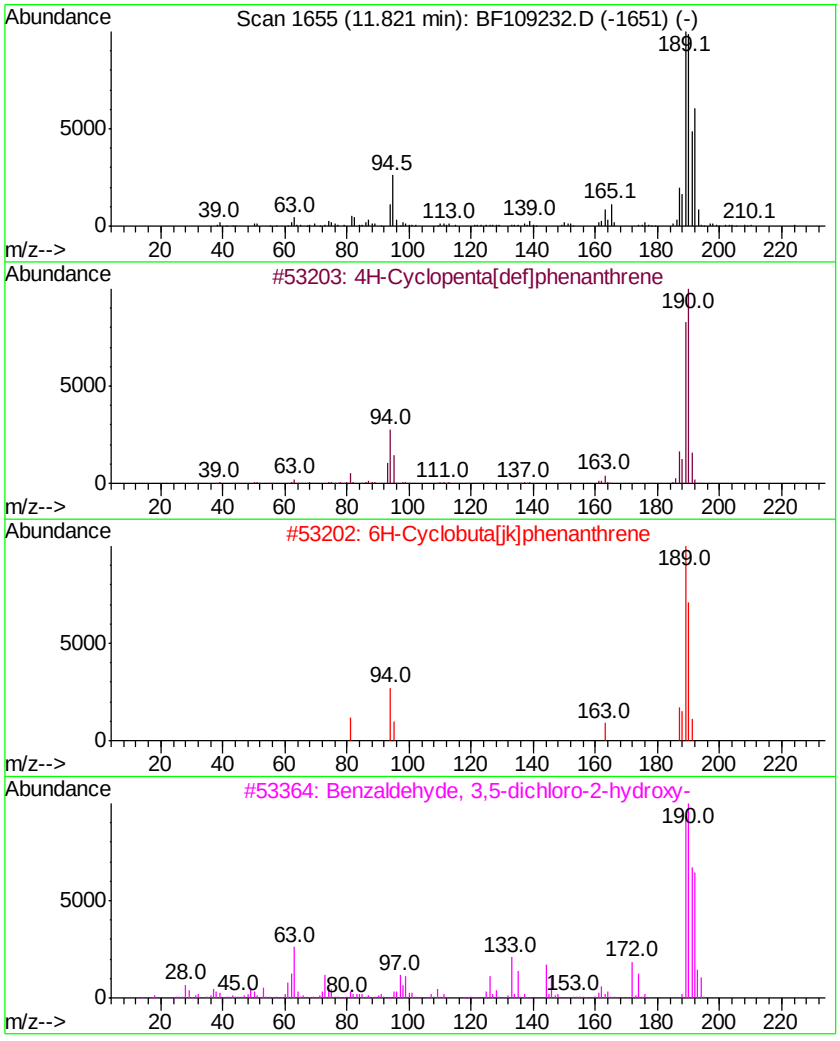
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

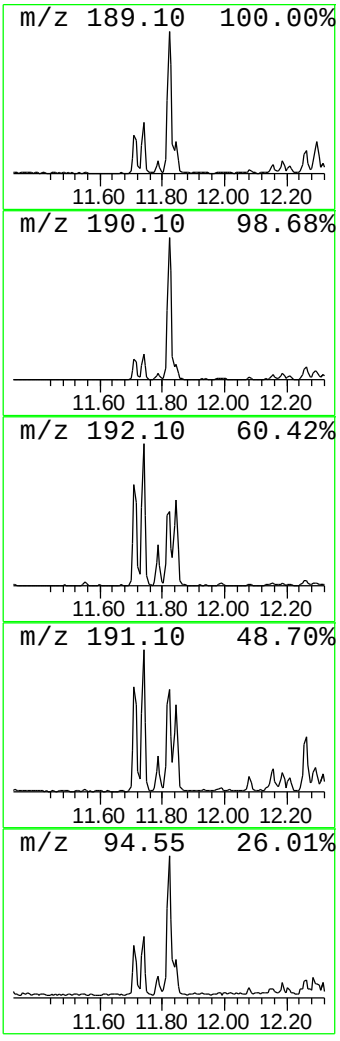
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	10.10 ng	474179	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22





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Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

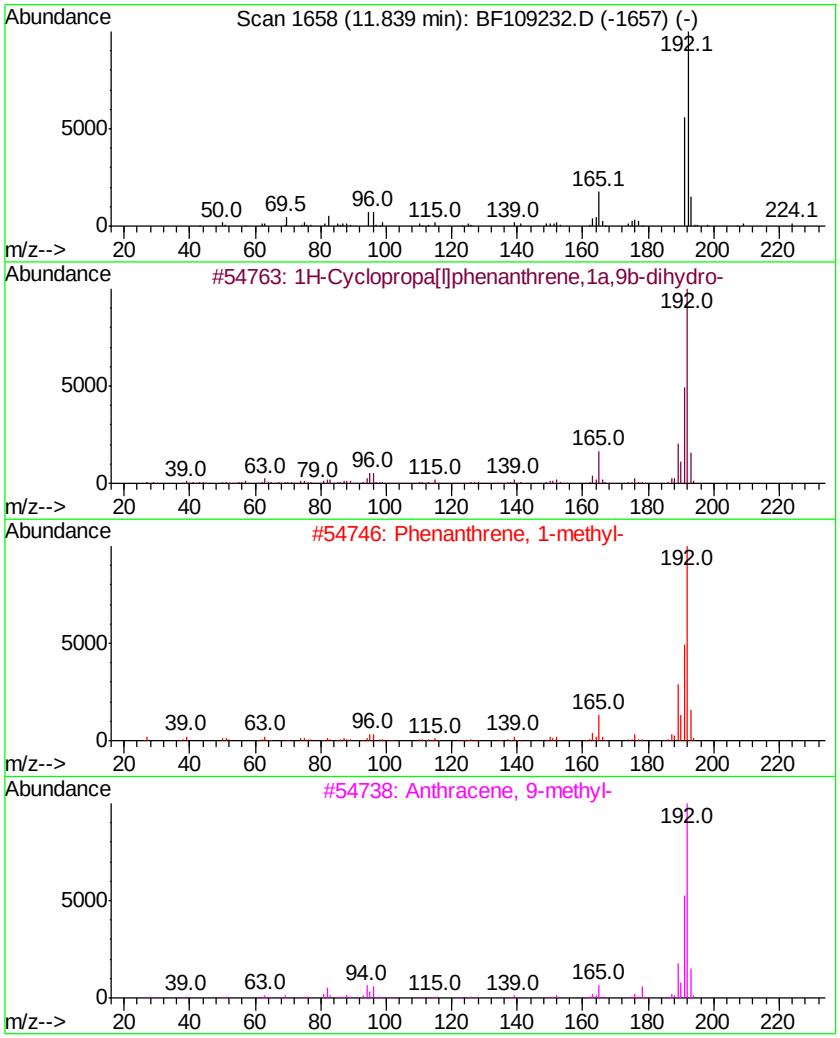
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

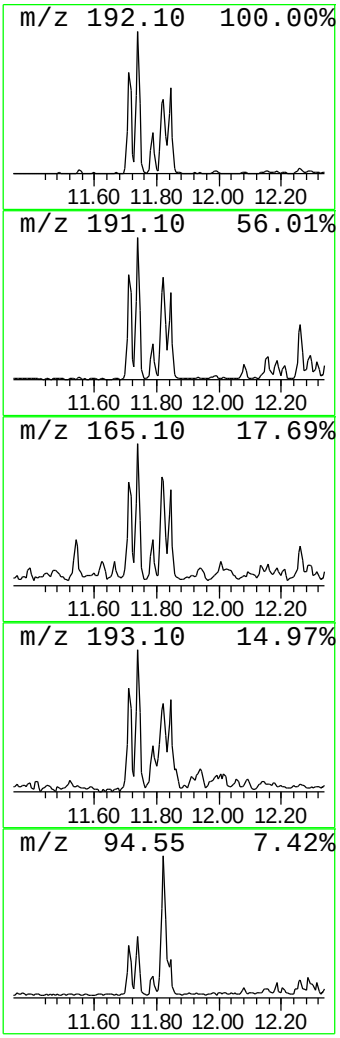
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.75 ng	176254	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

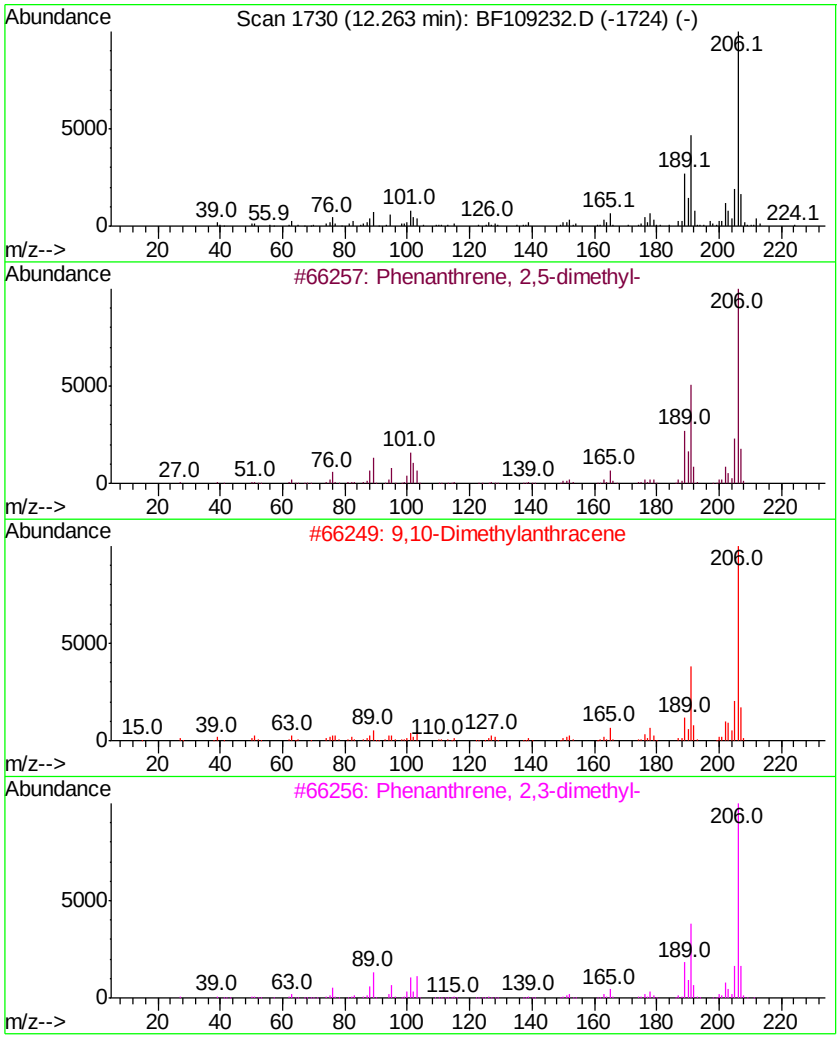
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

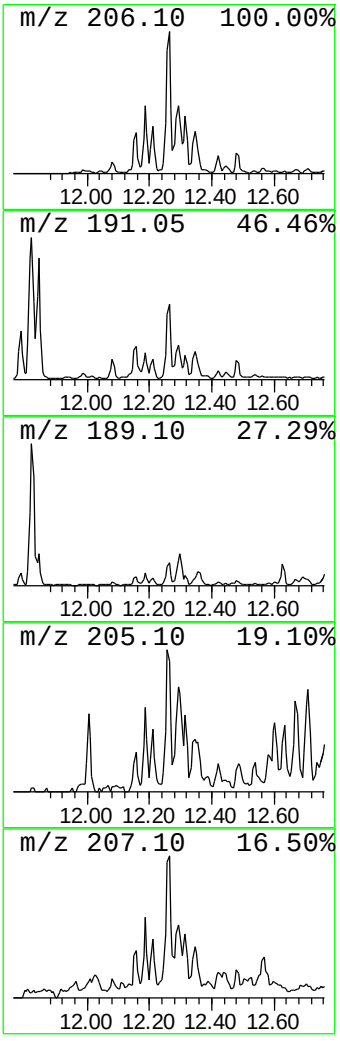
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	5.22 ng	245105	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87





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Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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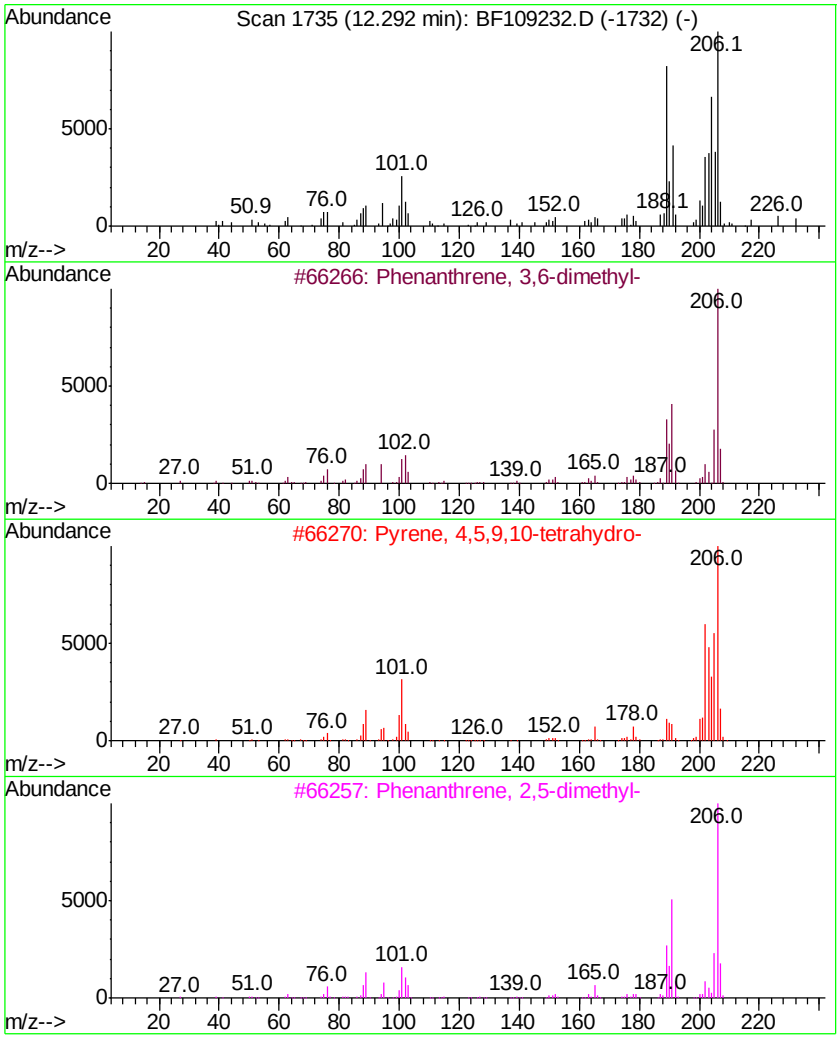
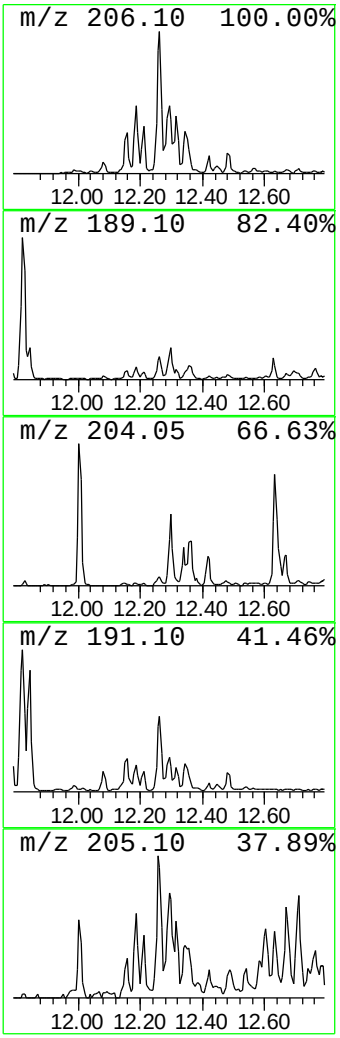
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.71 ng	127128	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	80
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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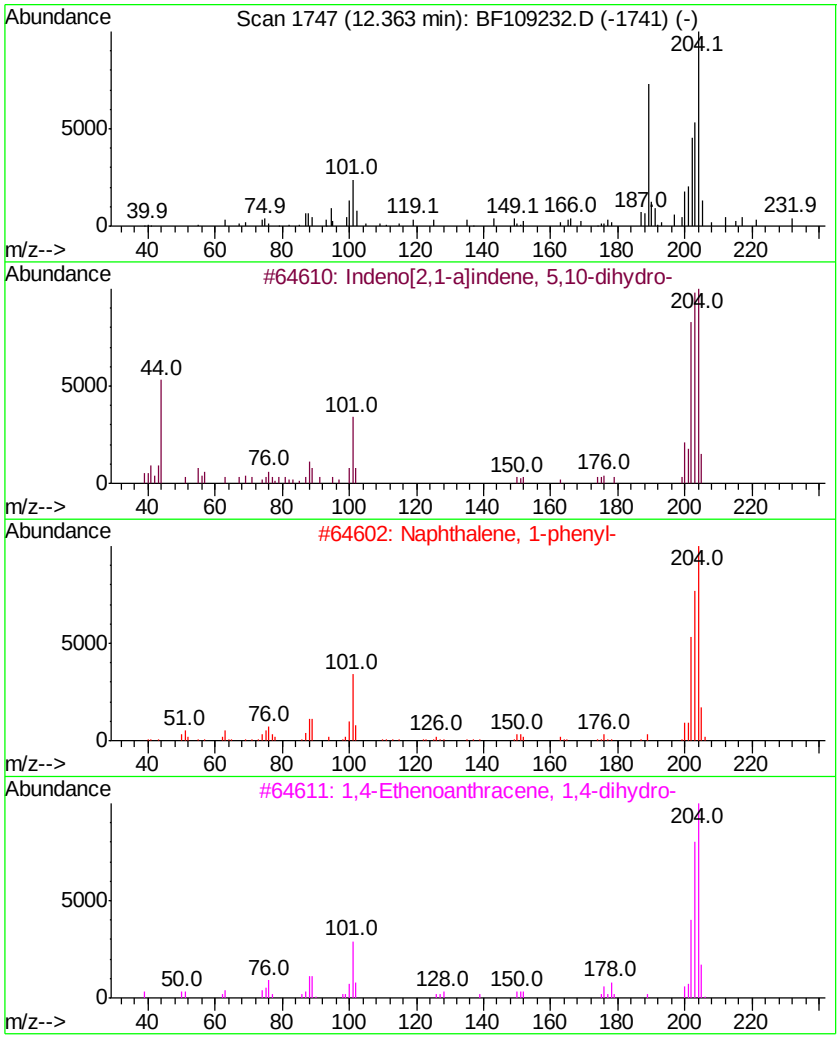
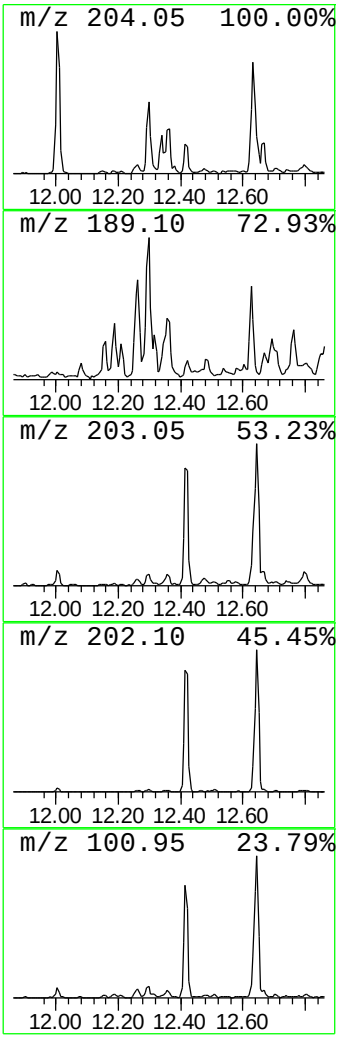
Peak Number 11 unknown12.36 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.77 ng	129980	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	30
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	25





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Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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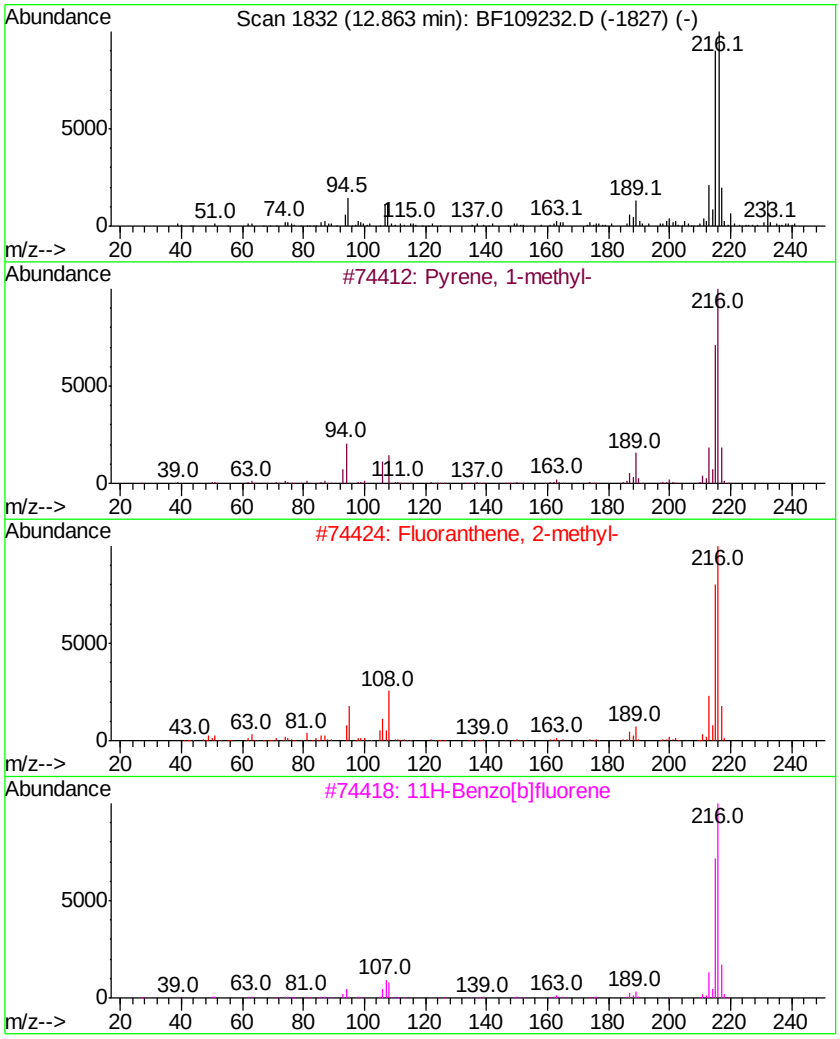
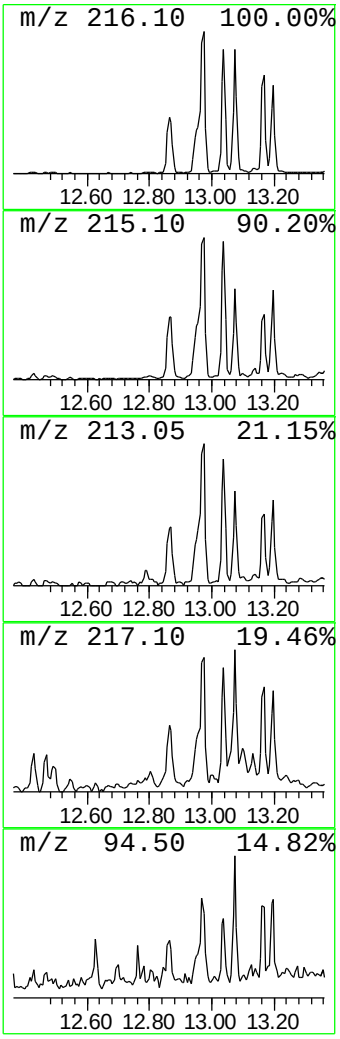
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.66 ng	184465	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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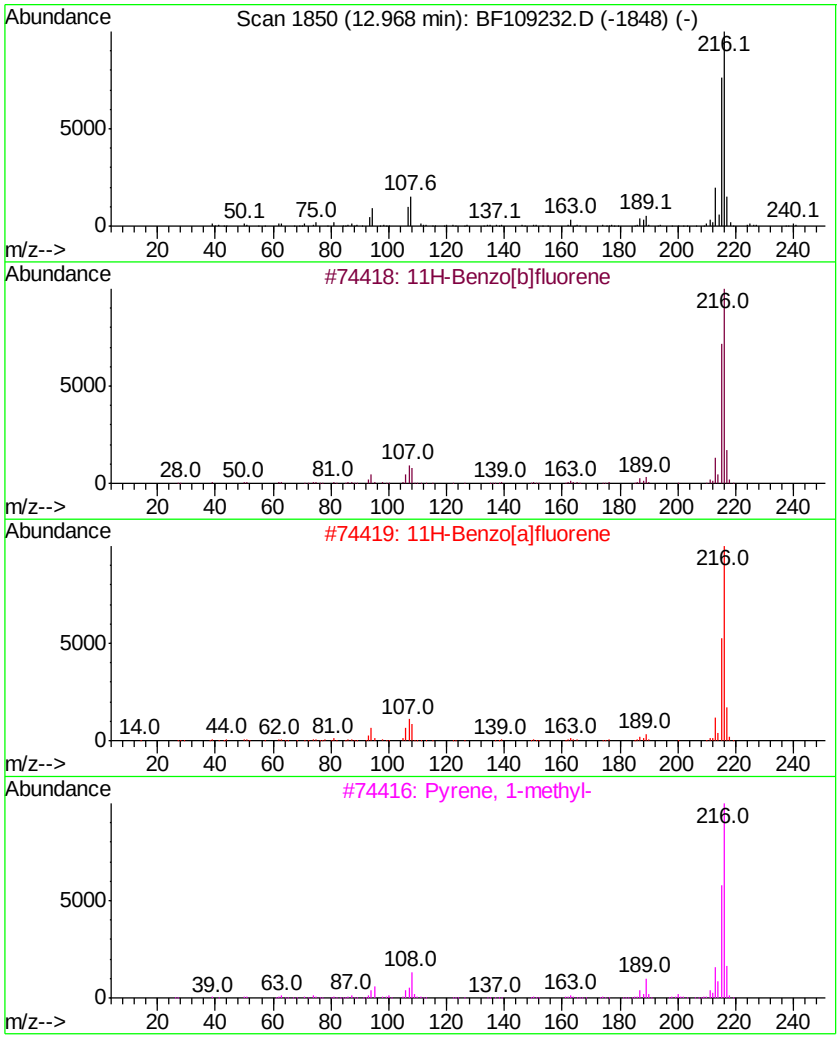
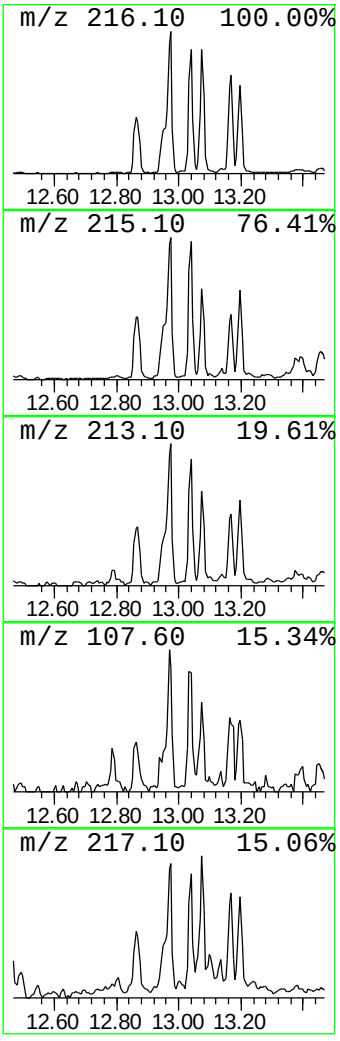
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.69 ng	255455	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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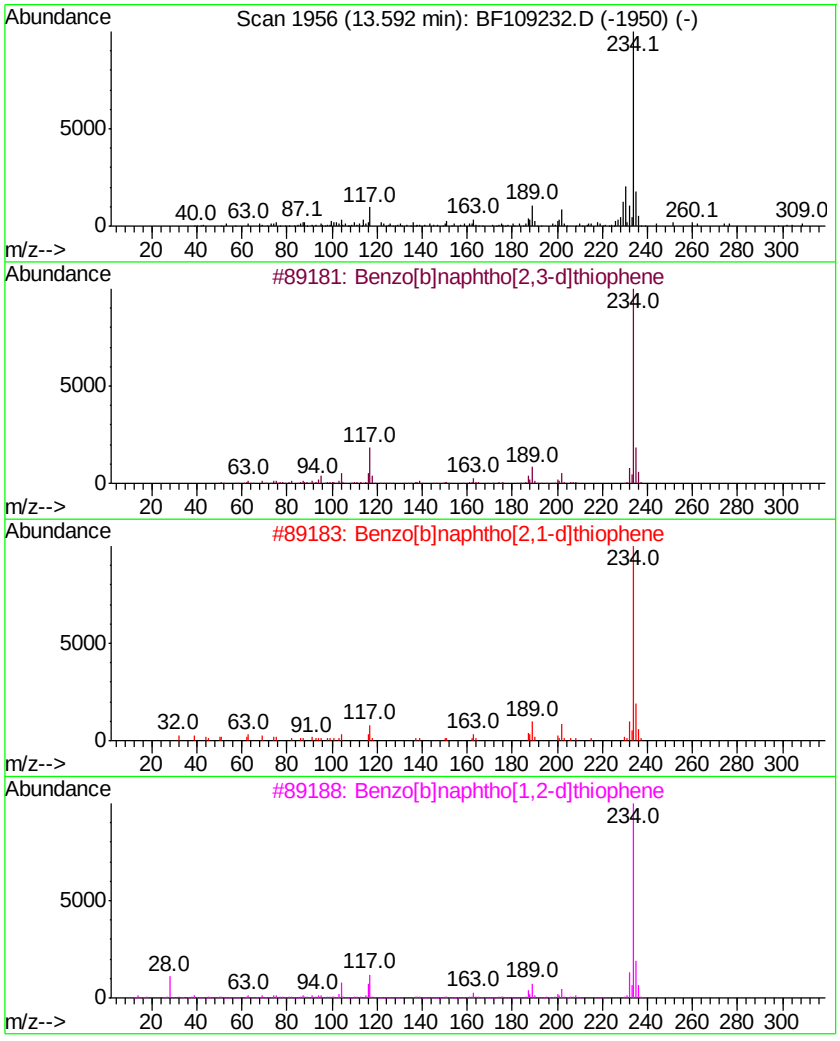
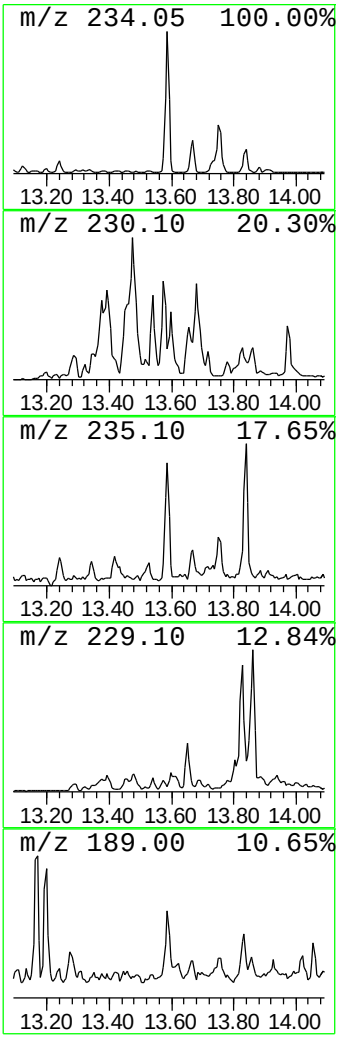
Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.75 ng	190213	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	80





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Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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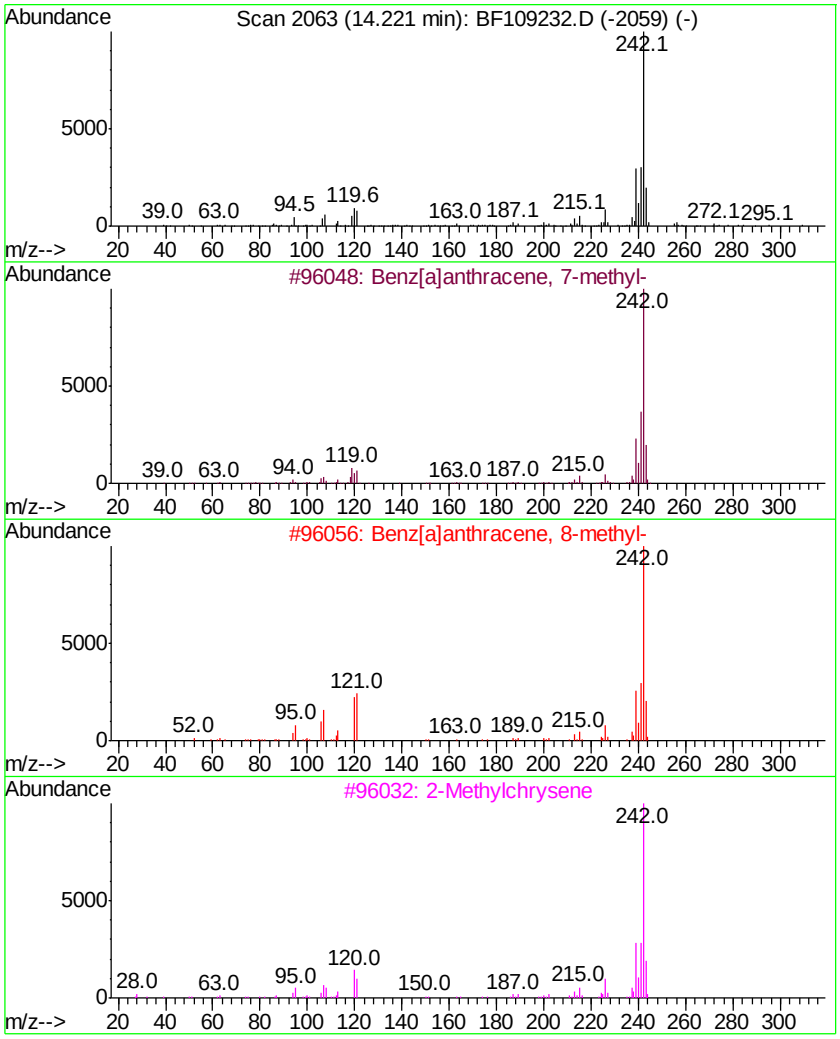
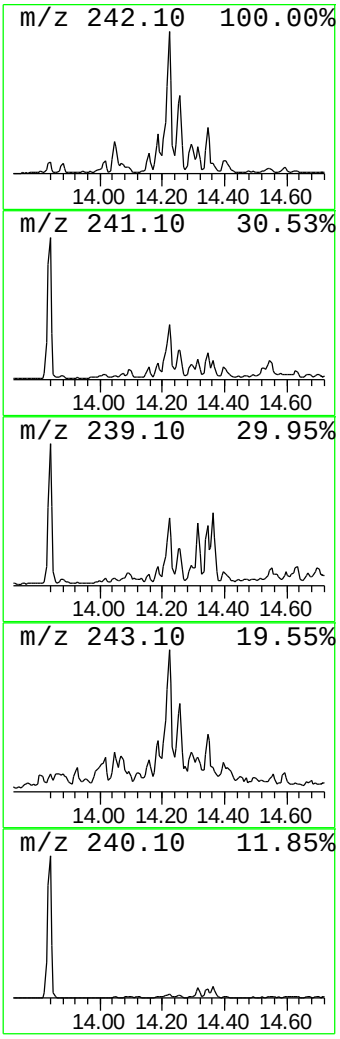
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	2.65 ng	183675	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	92





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Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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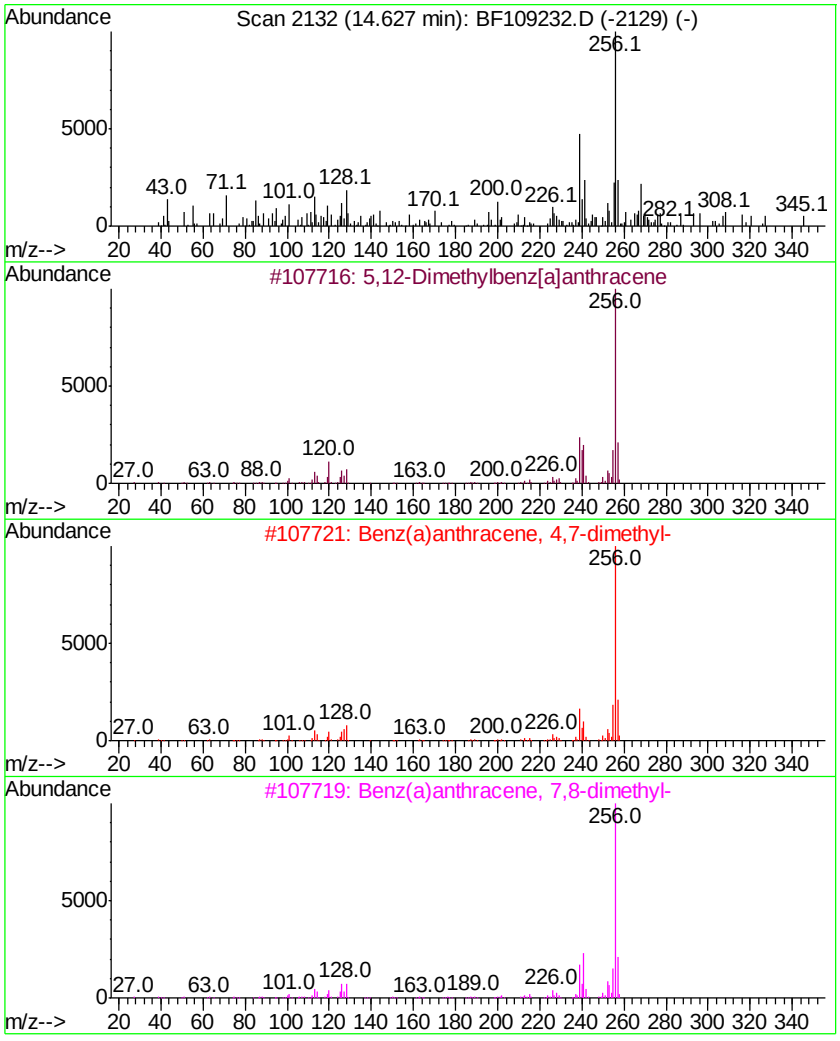
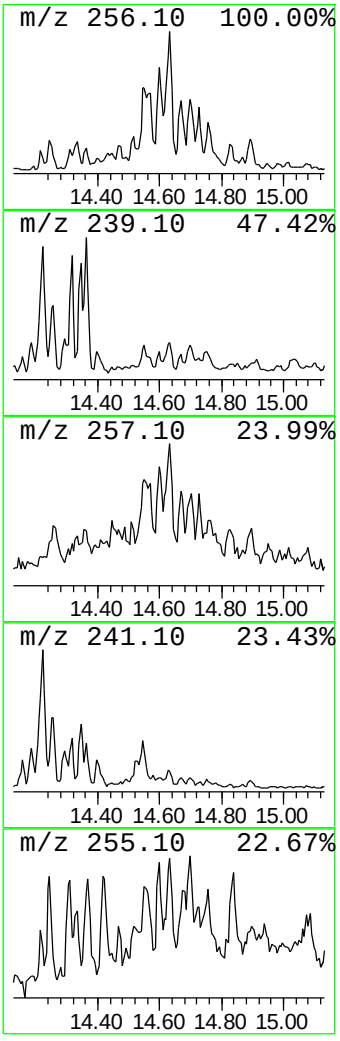
Peak Number 18 5,12-Dimethylbenz[a]anthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	2.67 ng	86340	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	92
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	87
3	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	83
4	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	78
5	7,8,9,10-Tetrahydrobenzo[a]pyrene	256	C20H16	017750-93-5	78





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Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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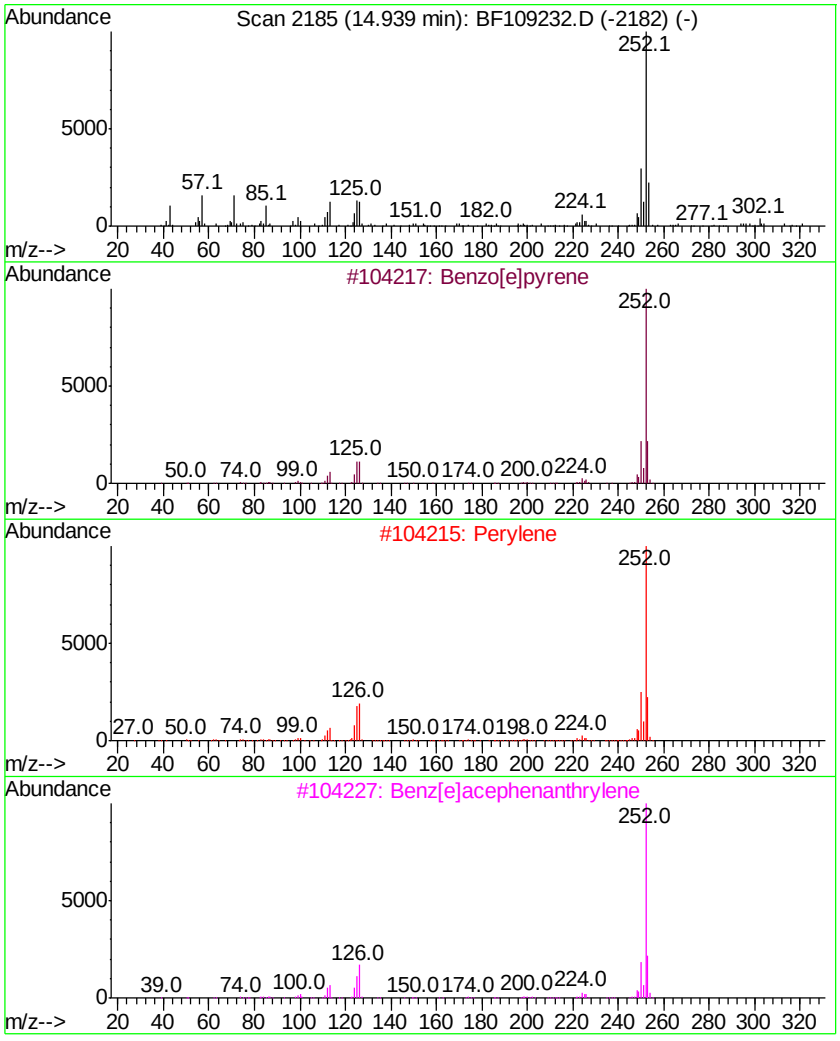
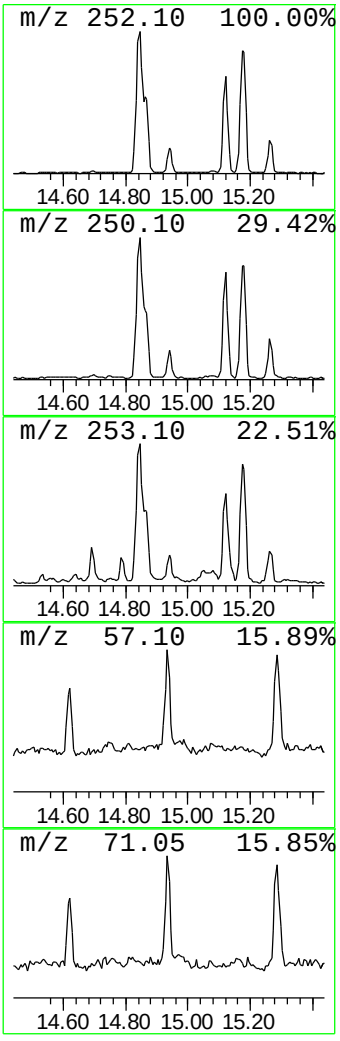
Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	3.95 ng	127819	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	10.1	ng	373229	1	6.70	741698	20.0
Naphthalene, 2,3-...	9.40	2.6	ng	136101	3	9.73	1057490	20.0
9H-Fluorene, 2-me...	10.83	2.6	ng	122751	4	11.21	938958	20.0
Phenanthrene, 2-m...	11.71	5.8	ng	274785	4	11.21	938958	20.0
4H-Cyclopenta[def...	11.82	10.1	ng	474179	4	11.21	938958	20.0
1H-Cyclopropa[l]p...	11.84	3.8	ng	176254	4	11.21	938958	20.0
Phenanthrene, 2,5...	12.26	5.2	ng	245105	4	11.21	938958	20.0
Phenanthrene, 3,6...	12.29	2.7	ng	127128	4	11.21	938958	20.0
unknown12.36	12.36	2.8	ng	129980	4	11.21	938958	20.0
Pyrene, 1-methyl-	12.86	2.7	ng	184465	5	13.84	1385060	20.0
11H-Benzo[b]fluorene	12.97	3.7	ng	255455	5	13.84	1385060	20.0
Benzo[b]naphtho[2...	13.59	2.8	ng	190213	5	13.84	1385060	20.0
Benz[a]anthracene...	14.22	2.6	ng	183675	5	13.84	1385060	20.0
5,12-Dimethylbenz...	14.63	2.7	ng	86340	6	15.24	647531	20.0
Benzo[e]pyrene	14.94	4.0	ng	127819	6	15.24	647531	20.0