LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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	5.654	560	564	572	rBV2	31939	89500	7.51%	0.587%
2	6.642	728	732	751	rBV	62880	173038	14.51%	1.135%
3	6.777	751	755	774	rVB	112488	184864	15.50%	1.213%
4	7.001	789	793	806	rBV	594062	673311	56.46%	4.417%
5	7.154	815	819	831	rBV	119222	147137	12.34%	0.965%
6	7.566	885	889	898	rBV	74365	110810	9.29%	0.727%
7	8.283	1007	1011	1029	rVB	936146	925416	77.61%	6.071%
8	8.995	1129	1132	1139	rBV	66962	66821	5.60%	0.438%
9	9.095	1144	1149	1159	rBV	83883	83155	6.97%	0.546%
10	9.354	1190	1193	1201	rVB	277922	229742	19.27%	1.507%
11	9.554	1225	1227	1233	rVB2	14945	19576	1.64%	0.128%
12	9.624	1235	1239	1243	rBV2	53099	73561	6.17%	0.483%
13	9.695	1248	1251	1254	rBV	94119	99341	8.33%	0.652%
14	9.724	1254	1256	1258	rVV	52250	45978	3.86%	0.302%
15	9.812	1267	1271	1273	rBV	41607	42309	3.55%	0.278%
16	9.907	1283	1287	1291	rBV2	106549	107155	8.99%	0.703%
17	10.042	1307	1310	1314	rVV	955529	929946	77.99%	6.101%
18	10.077	1314	1316	1319	rVB	115499	87339	7.32%	0.573%
19	10.148	1324	1328	1332	rVV3	22899	31336	2.63%	0.206%
20	10.248	1340	1345	1348	rVV2	75687	99351	8.33%	0.652%
21	10.283	1348	1351	1354	rVB	48382	42023	3.52%	0.276%
22	10.354	1360	1363	1366	rBV2	46342	51247	4.30%	0.336%
23	10.383	1366	1368	1375	rVB	30887	32525	2.73%	0.213%
24	10.448	1375	1379	1381	rBV2	47624	57096	4.79%	0.375%
25	10.501	1385	1388	1392	rBV2	16381	18930	1.59%	0.124%
26	10.595	1400	1404	1409	rVB	191086	180517	15.14%	1.184%
27	10.671	1413	1417	1420	rVB4	26310	45744	3.84%	0.300%
28	10.748	1428	1430	1434	rVB2	33797	33760	2.83%	0.221%
29	10.836	1440	1445	1449	rBV3	123052	137128	11.50%	0.900%
30	10.924	1457	1460	1464	rBV2	27039	41981	3.52%	0.275%
31	11.142	1491	1497	1500	rBV2	61853	83196	6.98%	0.546%
32	11.171	1500	1502	1505	rVV	46373	44637	3.74%	0.293%
33	11.224	1509	1511	1514	rVV	35221	30369	2.55%	0.199%
34	11.265	1514	1518	1520	rVV4	17722	28962	2.43%	0.190%

LSC Area Percent Report

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Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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	11.289	1520	1522	1527	rVV4	20760	30937	2.59%	0.203%
36	11.342	1528	1531	1534	rVV2	22670	26026	2.18%	0.171%
37	11.371	1534	1536	1539	rVV2	36330	40494	3.40%	0.266%
38	11.401	1539	1541	1544	rVV	23753	25939	2.18%	0.170%
39	11.436	1544	1547	1552	rVB	72820	67579	5.67%	0.443%
40	11.542	1561	1565	1567	rBV	950845	847469	71.07%	5.560%
41	11.565	1567	1569	1573	rVV	850150	651360	54.62%	4.273%
42	11.618	1574	1578	1581	rVV	196902	186556	15.64%	1.224%
43	11.648	1581	1583	1586	rVB	28862	27917	2.34%	0.183%
44	11.777	1601	1605	1607	rBV2	40326	42812	3.59%	0.281%
45	11.801	1607	1609	1612	rVB	40324	32528	2.73%	0.213%
46	11.830	1612	1614	1616	rBV	25360	18726	1.57%	0.123%
47	11.871	1619	1621	1625	rVB	58291	48086	4.03%	0.315%
48	11.954	1632	1635	1639	rVB	36207	40477	3.39%	0.266%
49	12.042	1646	1650	1653	rBV	168676	170122	14.27%	1.116%
50	12.071	1653	1655	1658	rVV	197136	159656	13.39%	1.047%
51	12.118	1660	1663	1666	rVV	81425	69126	5.80%	0.453%
52	12.153	1666	1669	1672	rVV2	227713	286989	24.07%	1.883%
53	12.177	1672	1673	1676	rVB	122717	80436	6.75%	0.528%
54	12.206	1676	1678	1682	rBV3	25231	25904	2.17%	0.170%
55	12.277	1687	1690	1691	rVV	32572	29699	2.49%	0.195%
56	12.289	1691	1692	1695	rVV2	44149	35983	3.02%	0.236%
57	12.336	1697	1700	1702	rVV	95089	86979	7.29%	0.571%
58	12.371	1702	1706	1710	rVB	53176	69942	5.87%	0.459%
59	12.471	1720	1723	1724	rBV2	21155	22739	1.91%	0.149%
60	12.489	1724	1726	1729	rVV2	36465	36827	3.09%	0.242%
61	12.518	1729	1731	1733	rVV	58438	45054	3.78%	0.296%
62	12.542	1733	1735	1737	rVB2	41011	31074	2.61%	0.204%
63	12.595	1737	1744	1747	rBV2	150227	203781	17.09%	1.337%
64	12.630	1747	1750	1752	rVV2	66507	91617	7.68%	0.601%
65	12.683	1756	1759	1767	rVB5	56819	123986	10.40%	0.813%
66	12.759	1768	1772	1776	rBV	818219	741318	62.17%	4.863%
67	12.801	1776	1779	1781	rVV2	32063	36675	3.08%	0.241%
68	12.818	1781	1782	1785	rVV	36520	30913	2.59%	0.203%
69	12.853	1786	1788	1791	rVV	51858	47906	4.02%	0.314%
70	12.912	1795	1798	1800	rVV2	48834	54651	4.58%	0.359%
71	12.936	1800	1802	1804	rVB2	30043	23997	2.01%	0.157%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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

72	12.971	1805	1808	1809	rBV	138999	118404	9.93%	0.777%
73	12.995	1809	1812	1817	rVV	844404	769020	64.49%	5.045%
74	13.042	1817	1820	1823	rVB	61494	65755	5.51%	0.431%
75	13.124	1830	1834	1836	rVV2	193204	185934	15.59%	1.220%
76	13.148	1836	1838	1843	rVB2	37525	45295	3.80%	0.297%
77	13.200	1844	1847	1853	rBV4	73001	137656	11.54%	0.903%
78	13.318	1860	1867	1872	rVB	170165	257810	21.62%	1.691%
79	13.365	1872	1875	1876	rBV3	24837	25458	2.13%	0.167%
80	13.383	1876	1878	1881	rVB	118927	104359	8.75%	0.685%
81	13.424	1881	1885	1888	rBV2	113149	120280	10.09%	0.789%
82	13.483	1893	1895	1898	rBV4	20478	20234	1.70%	0.133%
83	13.518	1898	1901	1904	rBV	86061	82775	6.94%	0.543%
84	13.548	1904	1906	1913	rVB	90176	100905	8.46%	0.662%
85	13.671	1924	1927	1929	rBV2	35131	32339	2.71%	0.212%
86	13.800	1947	1949	1952	rBV4	28420	34801	2.92%	0.228%
87	13.830	1952	1954	1958	rVB2	52237	59281	4.97%	0.389%
88	13.942	1968	1973	1976	rBV2	93358	140149	11.75%	0.919%
89	13.971	1976	1978	1980	rVB	63233	47793	4.01%	0.314%
90	14.000	1980	1983	1989	rBV4	77688	127396	10.68%	0.836%
91	14.195	2011	2016	2019	rBV2	936522	1192443	100.00%	7.823%
92	14.224	2019	2021	2028	rVB	358339	321784	26.99%	2.111%
93	14.277	2028	2030	2032	rBV2	34561	27941	2.34%	0.183%
94	14.306	2032	2035	2039	rBV2	66466	110299	9.25%	0.724%
95	14.583	2080	2082	2085	rVB	104901	84101	7.05%	0.552%
96	14.712	2102	2104	2106	rBV2	52674	50485	4.23%	0.331%
97	15.289	2198	2202	2205	rBV	224274	355652	29.83%	2.333%
98	15.618	2255	2258	2263	rVB	155960	196879	16.51%	1.292%
99	15.689	2266	2270	2274	rBV	212245	285524	23.94%	1.873%
100	15.753	2278	2281	2285	rVB	388759	502253	42.12%	3.295%

Sum of corrected areas: 15243086

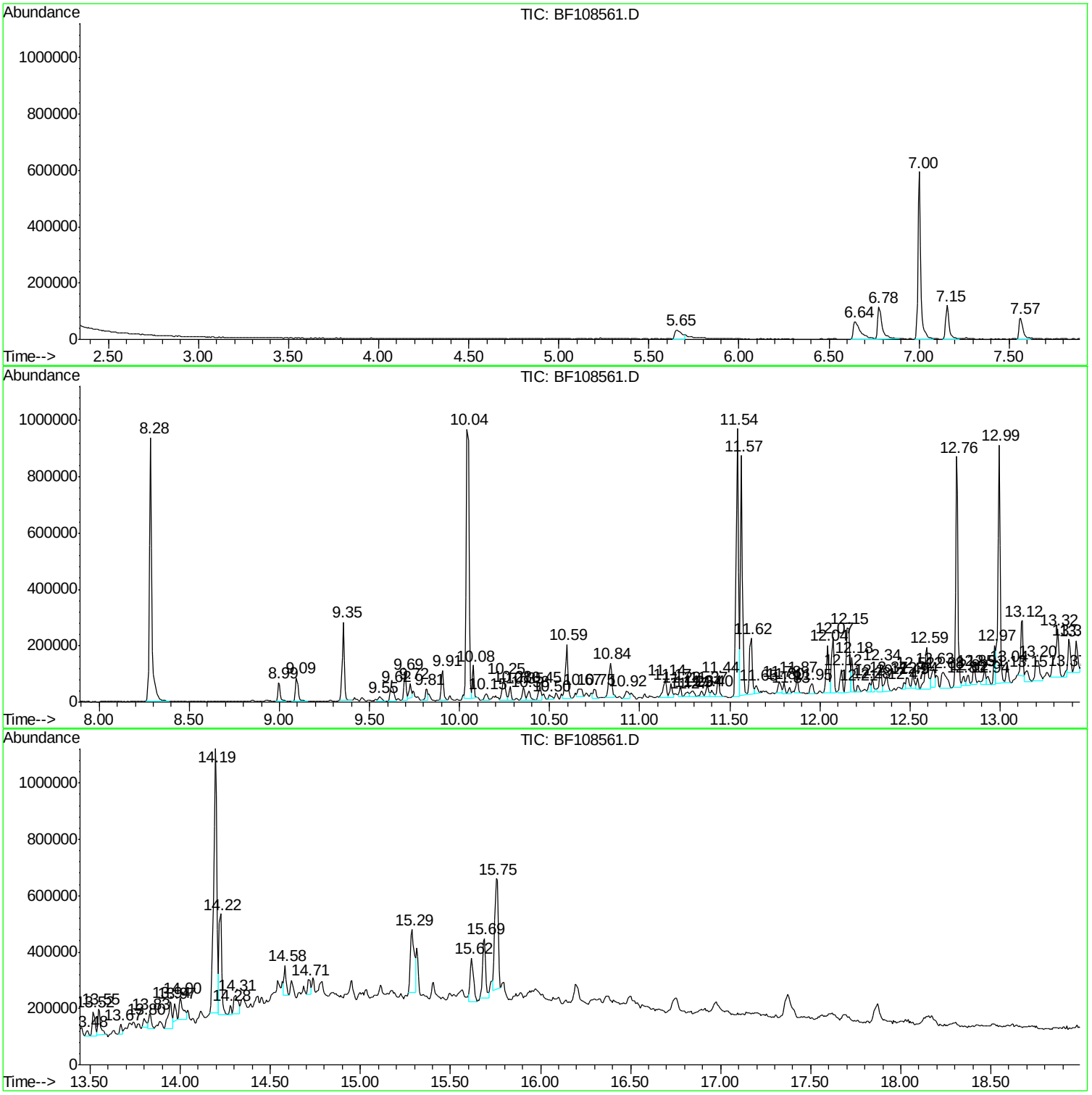
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-082718

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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

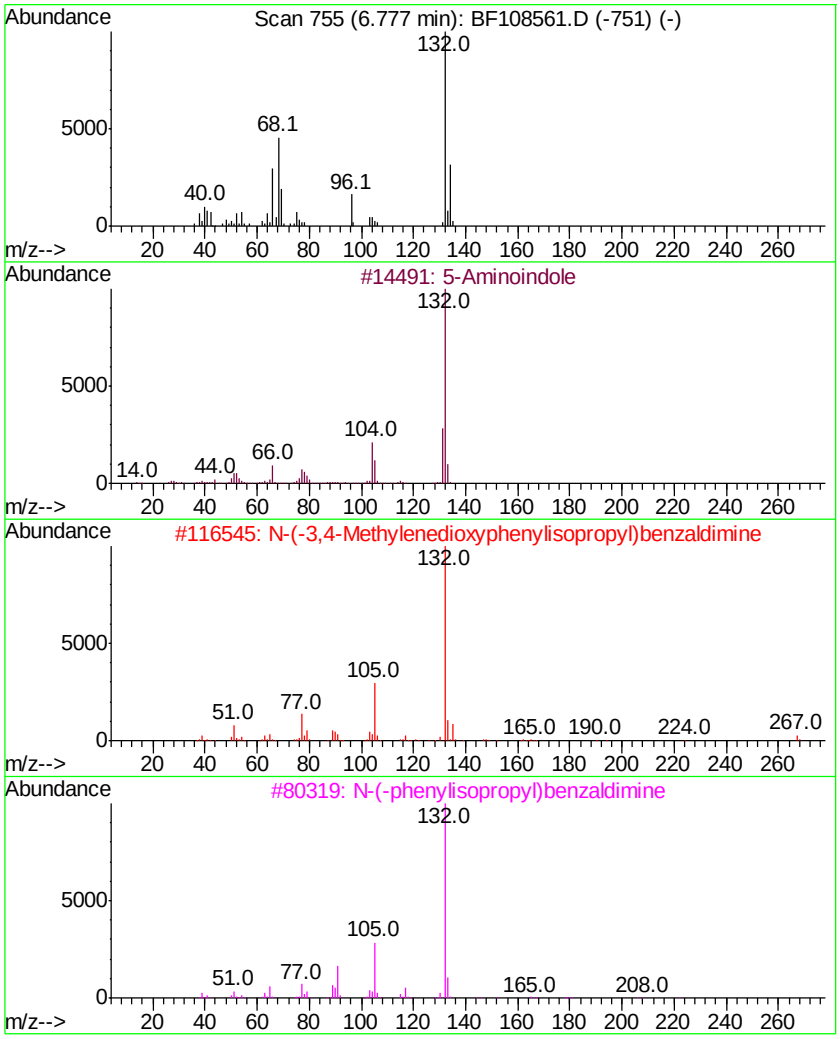
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

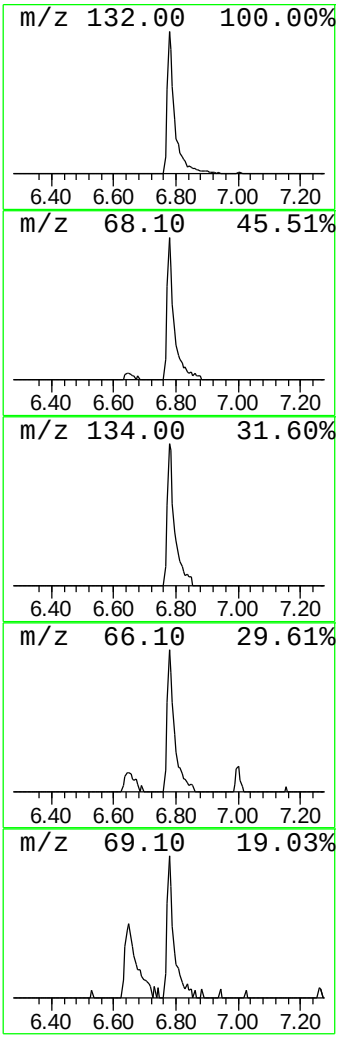
****

Peak Number 1 unknown6.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	5.49 ng	184864	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10
3	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	10
4	Xenon	132	Xe	007440-63-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
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Sample : J4276-05 10X
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Instrument : BNA_F
ClientSampleId : OK-02-082718

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

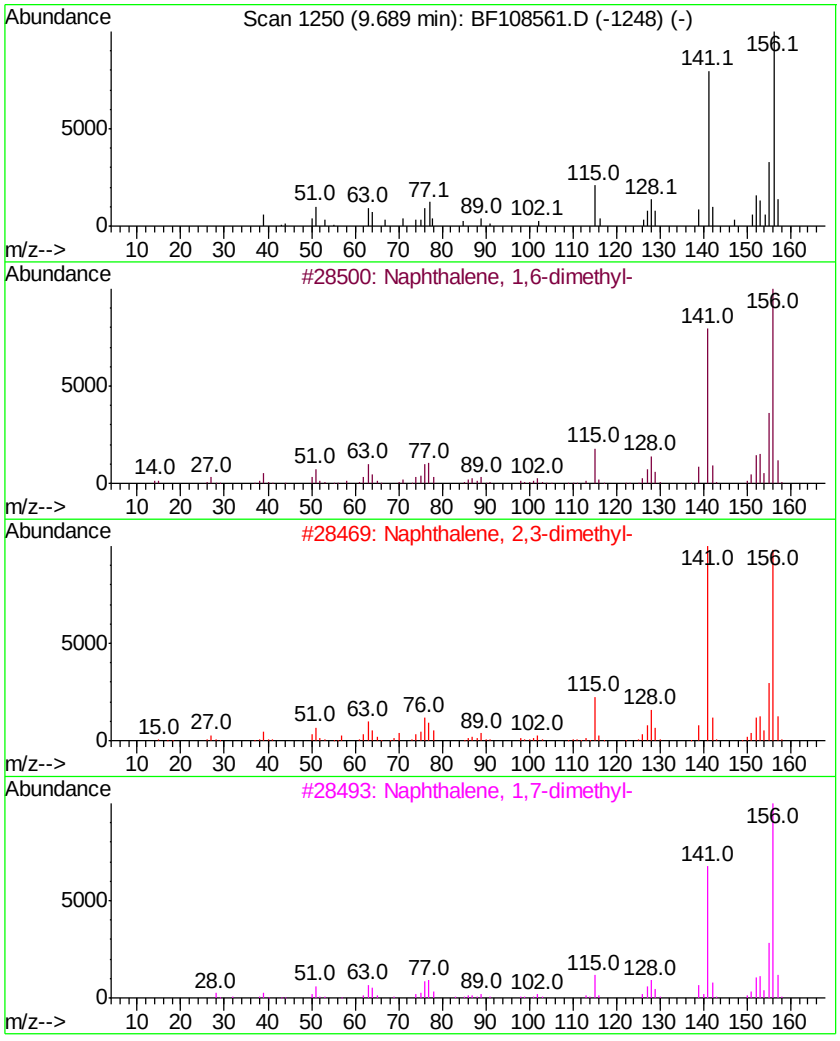
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

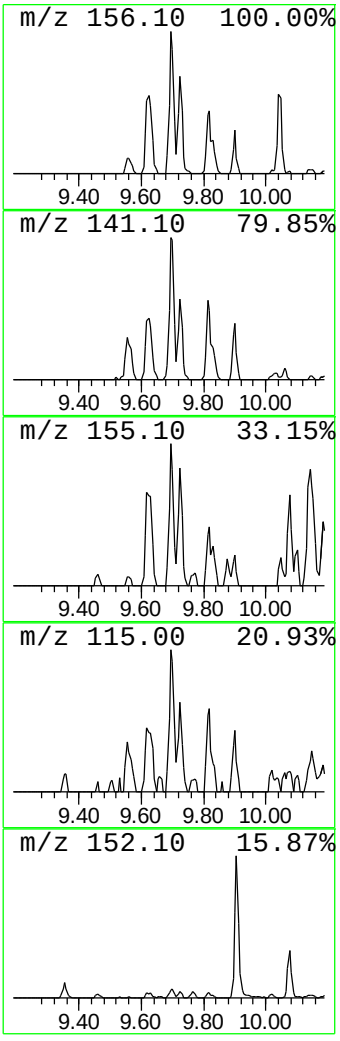
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	2.14 ng	99341	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
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Instrument : BNA_F
ClientSampleId : OK-02-082718

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

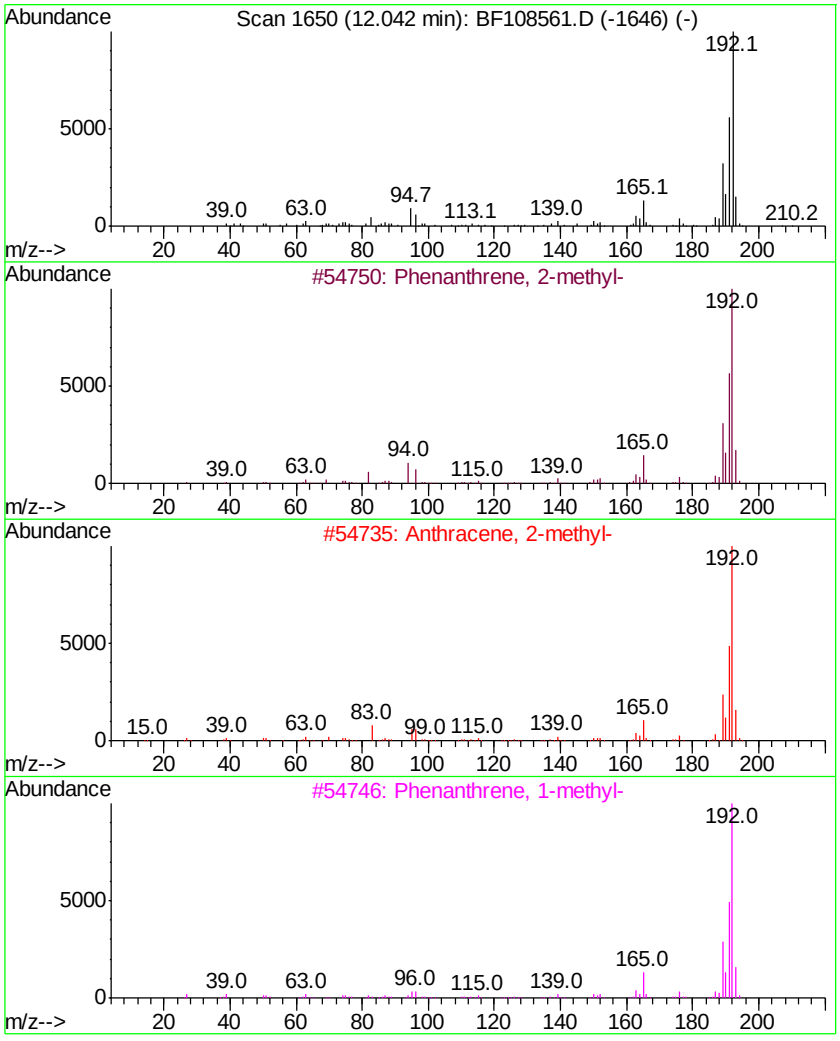
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

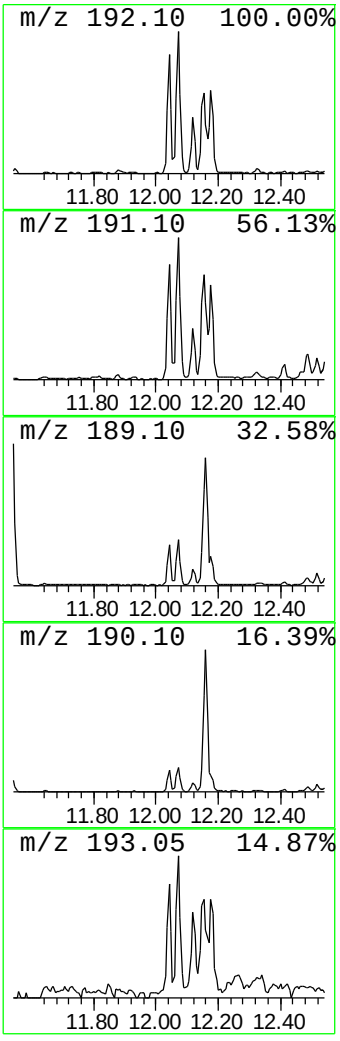
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.01 ng	170122	Phenanthrene-d10	11.54

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
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Acq On : 28 Aug 2018 17:51
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Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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

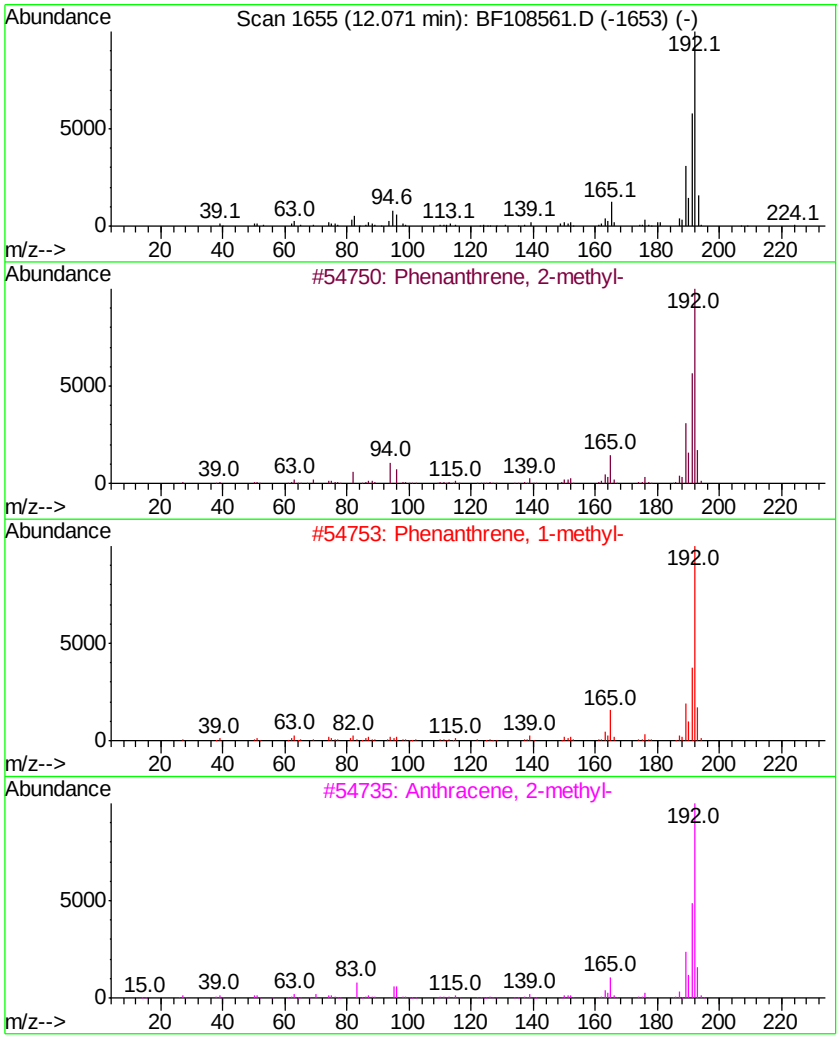
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

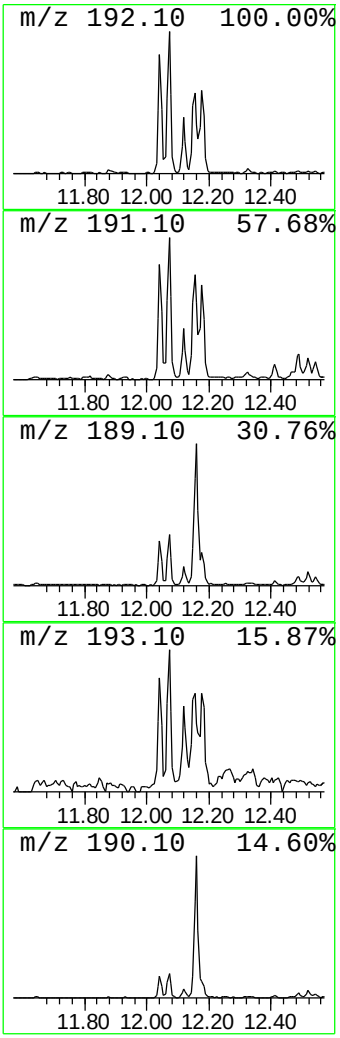
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.77 ng	159656	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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

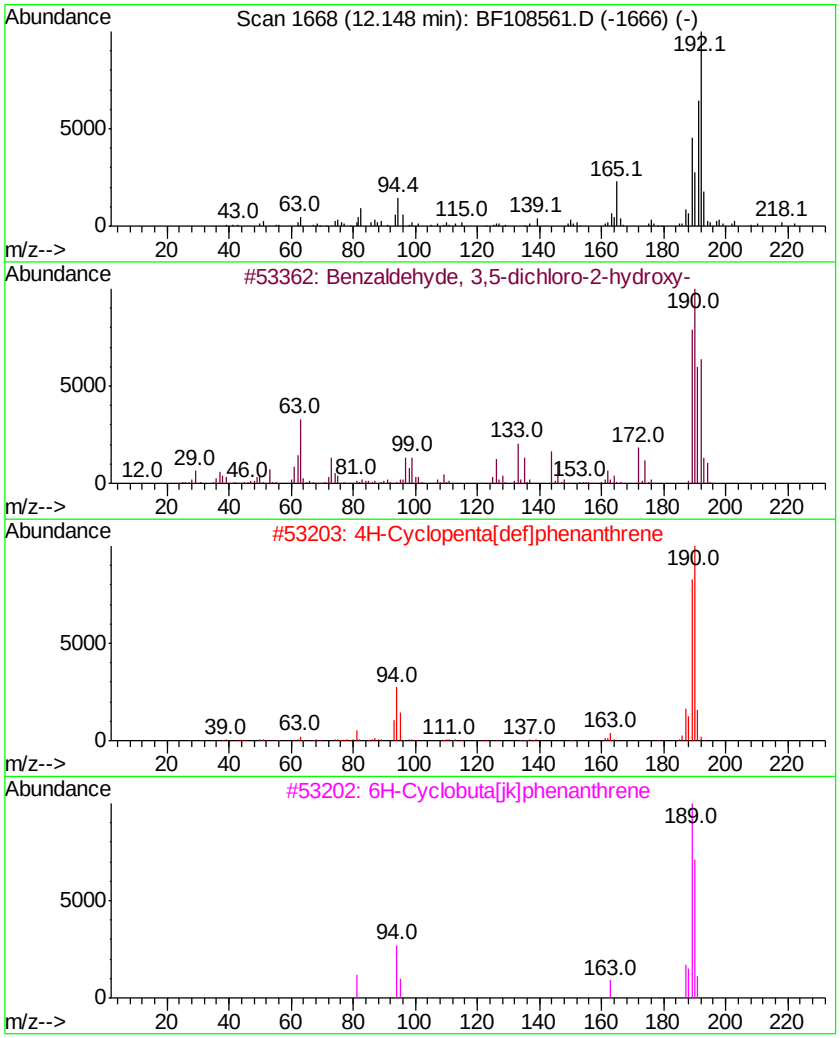
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

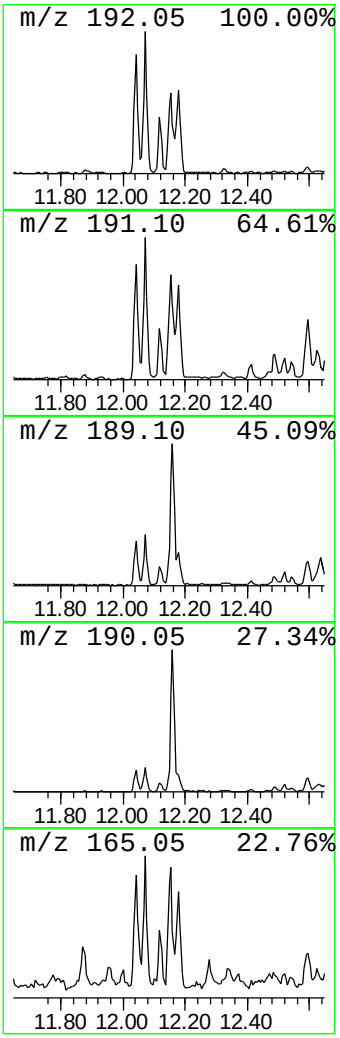
****

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	6.77 ng	286989	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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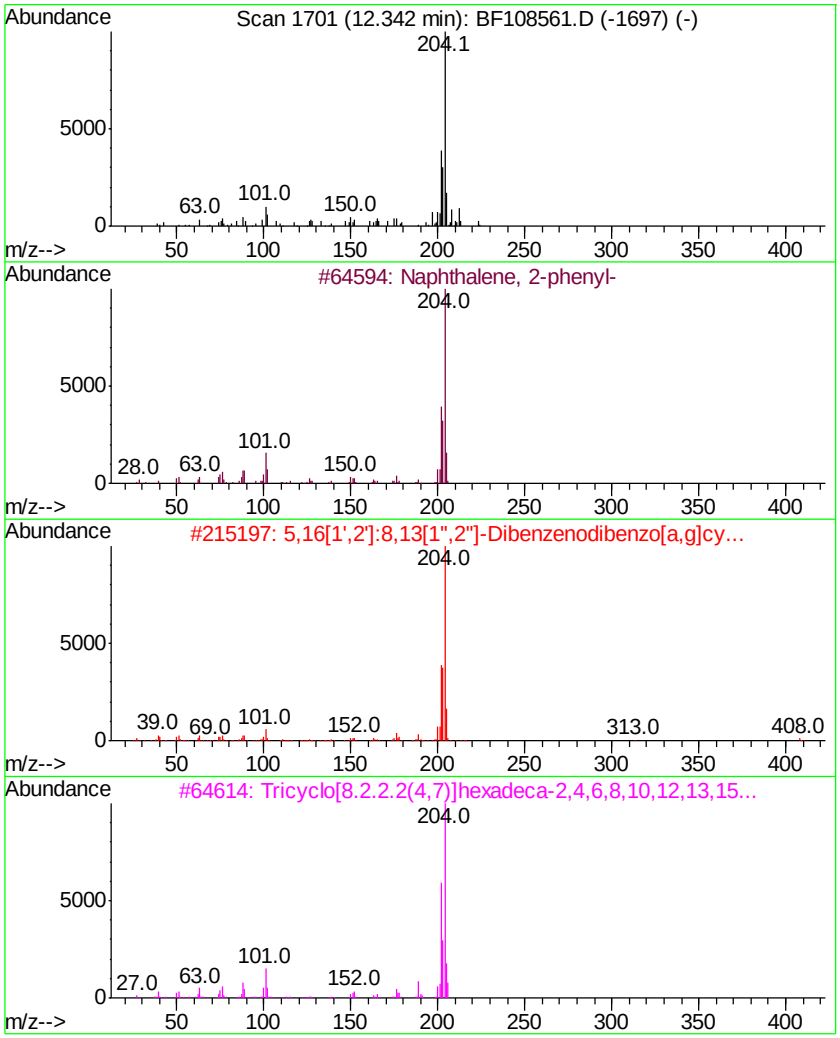
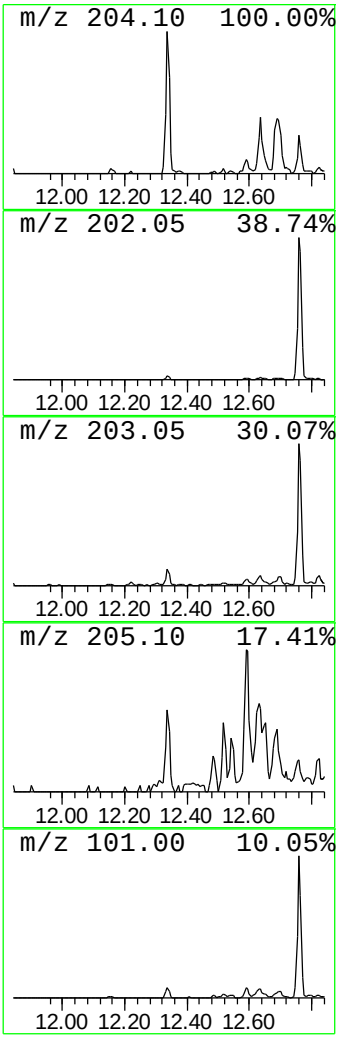
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.05 ng	86979	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46





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Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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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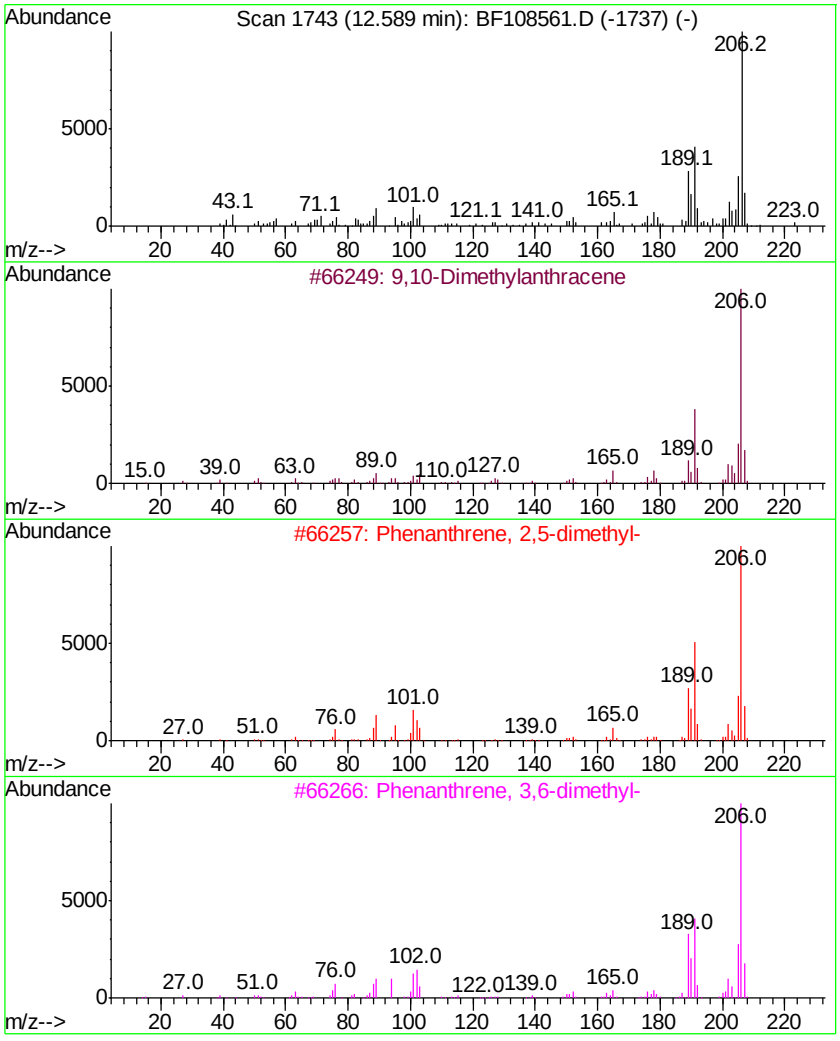
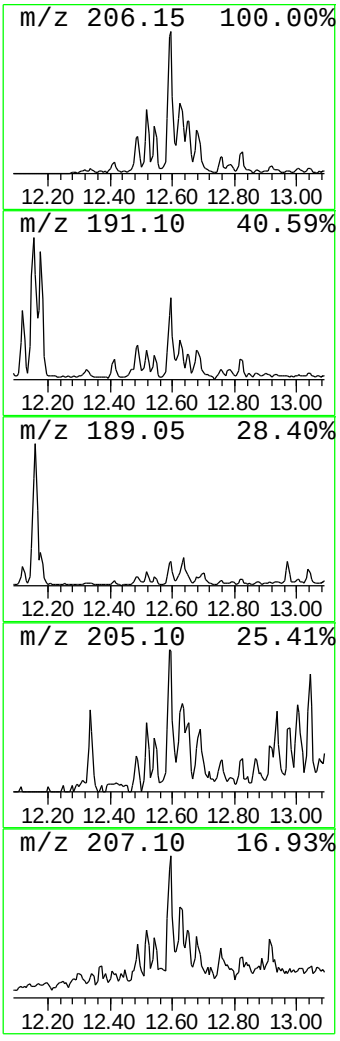
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	4.81 ng	203781	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	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : J4276-05 10X
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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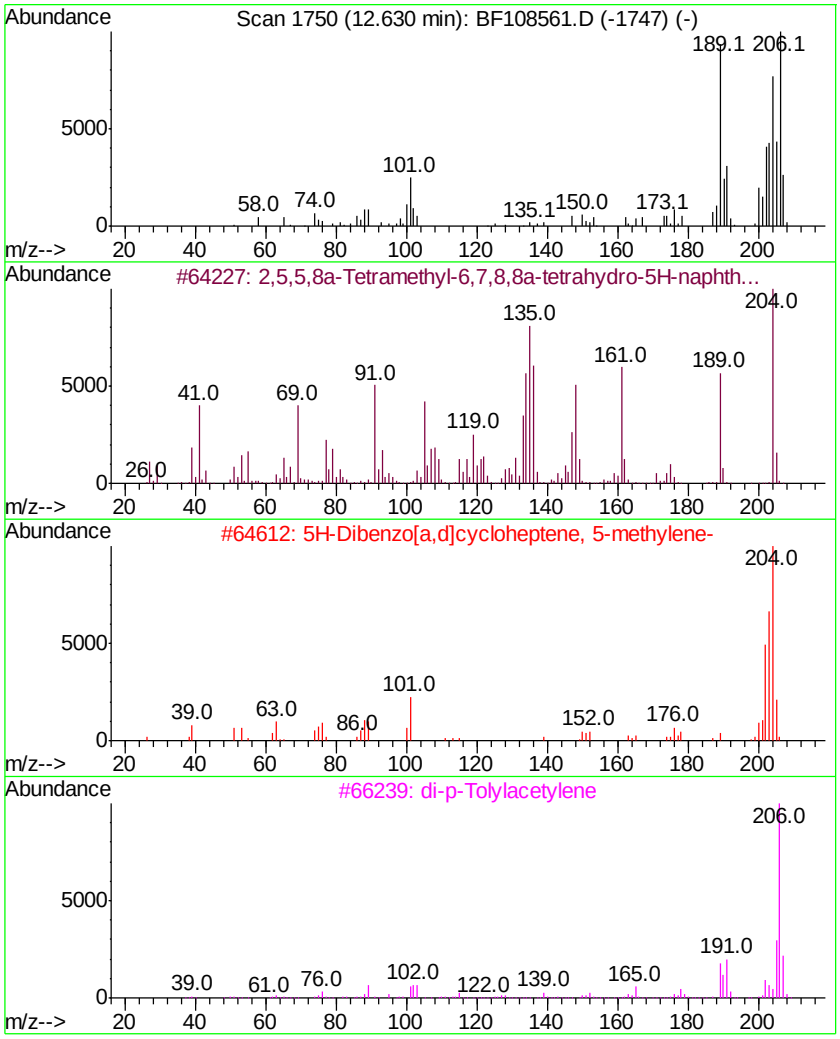
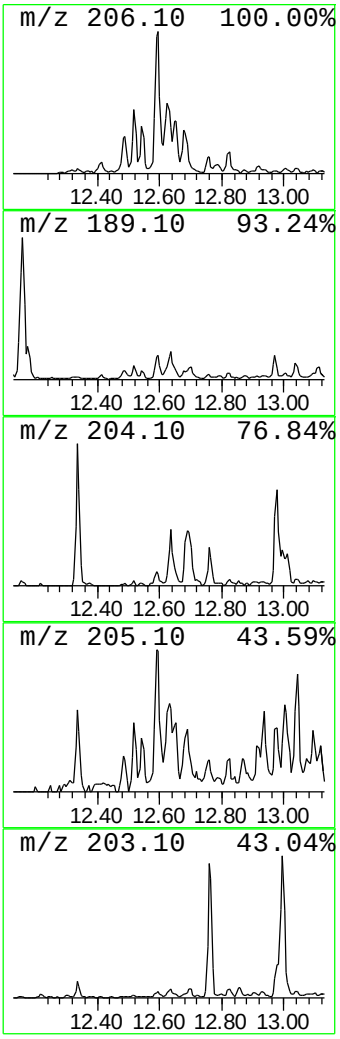
Peak Number 10 unknown12.63 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.16 ng	91617	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	35
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	30
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	27
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25





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Acq On : 28 Aug 2018 17:51
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Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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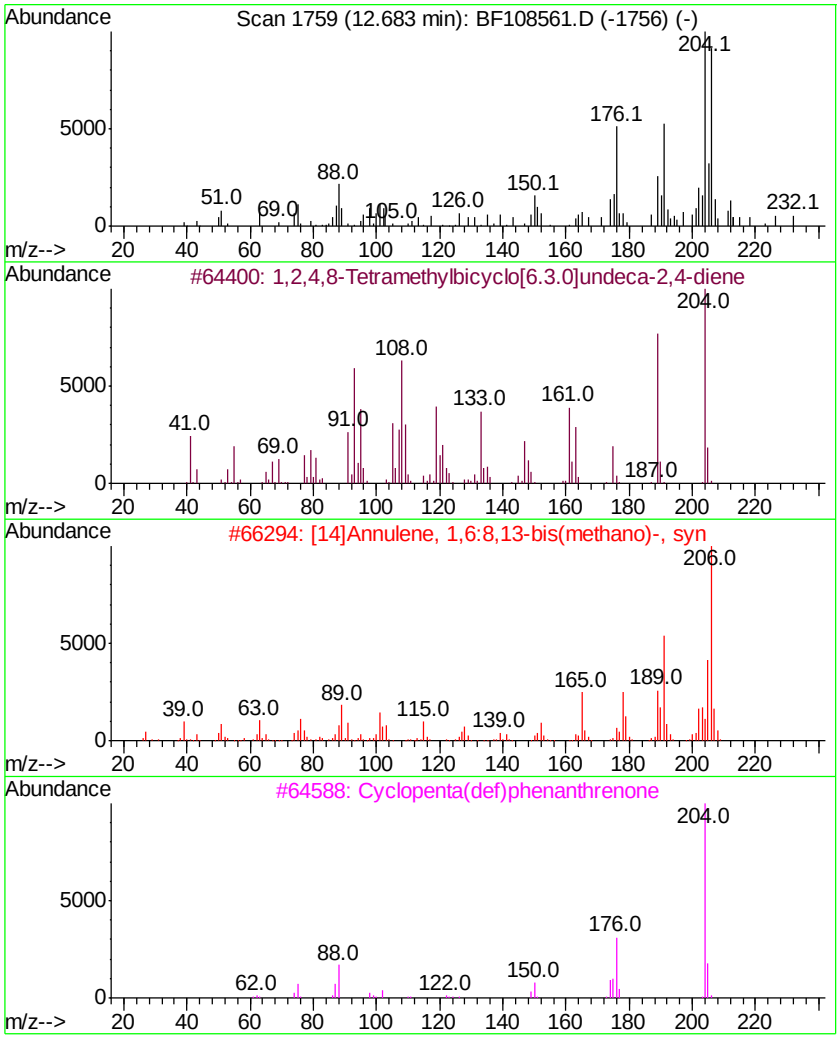
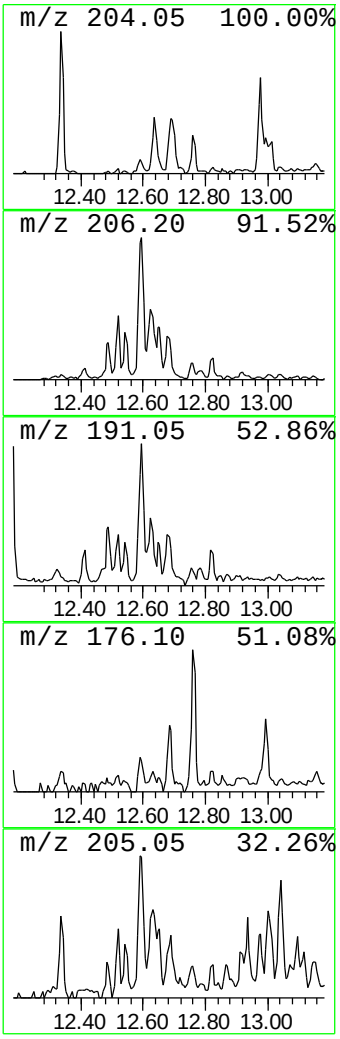
Peak Number 11 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.93 ng	123986	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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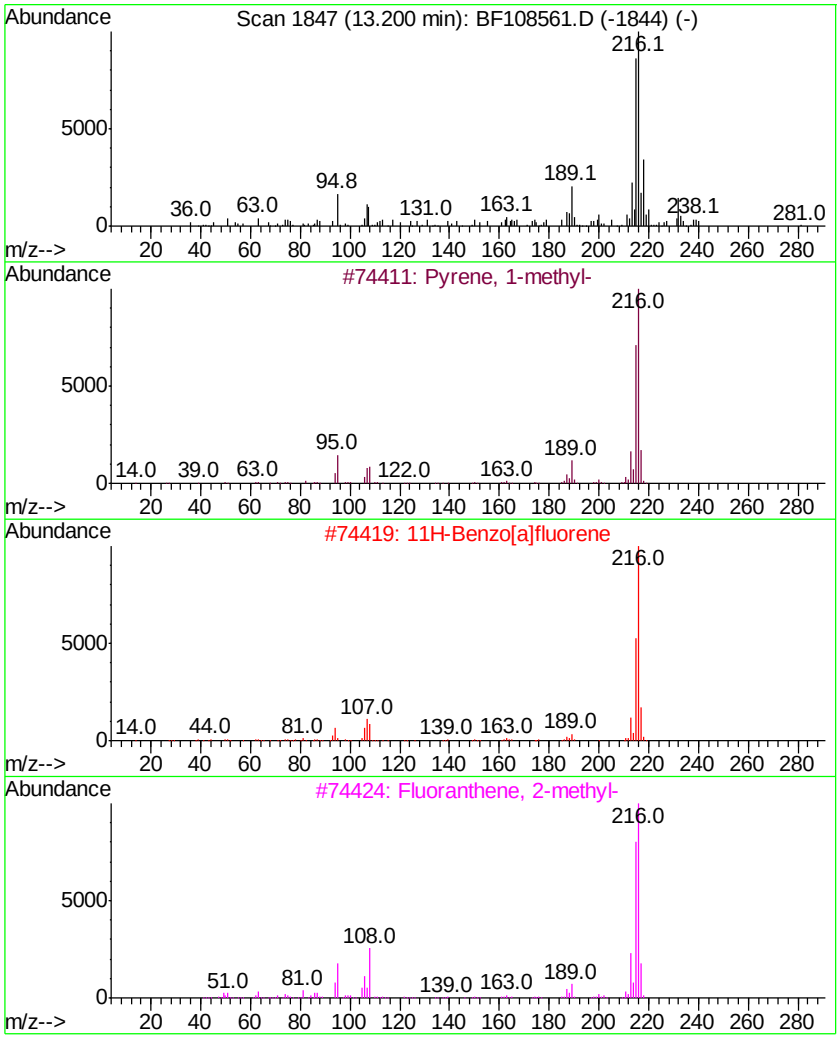
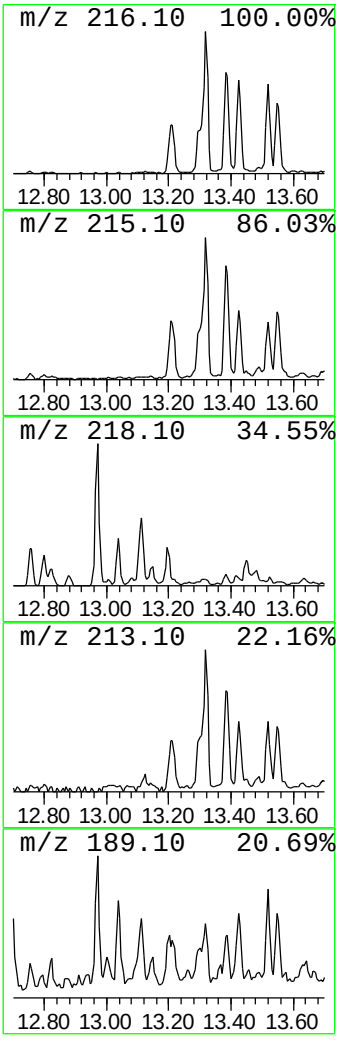
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.31 ng	137656	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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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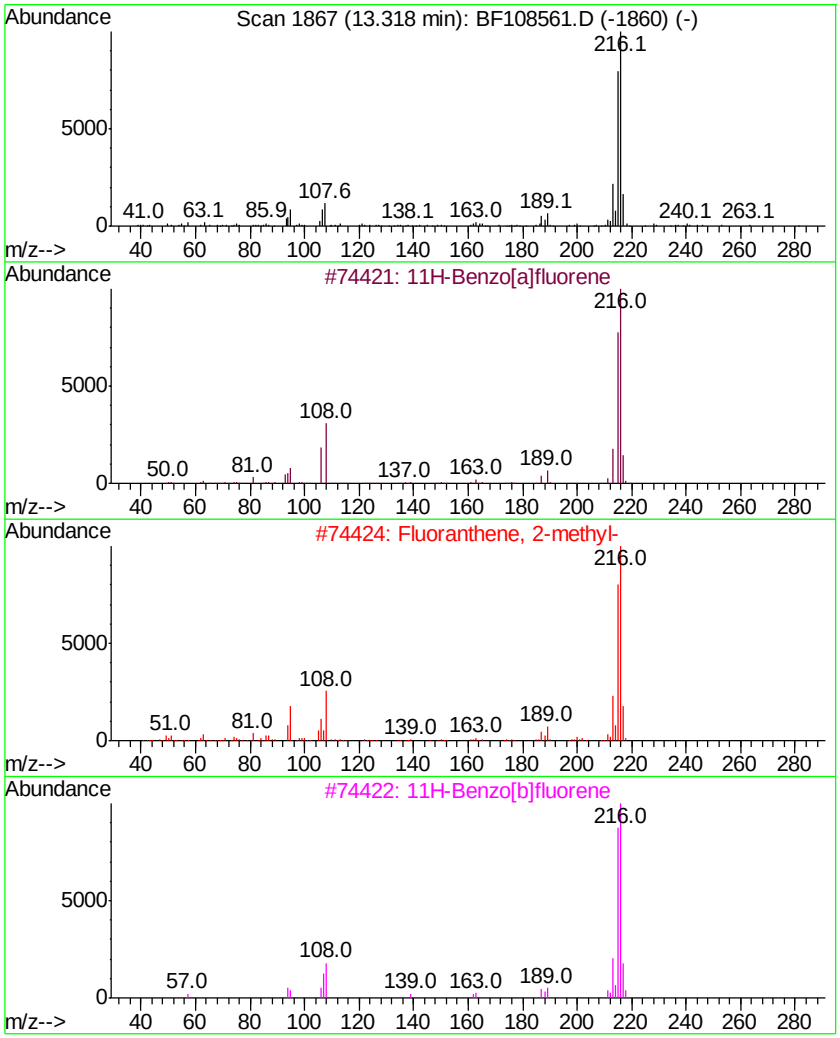
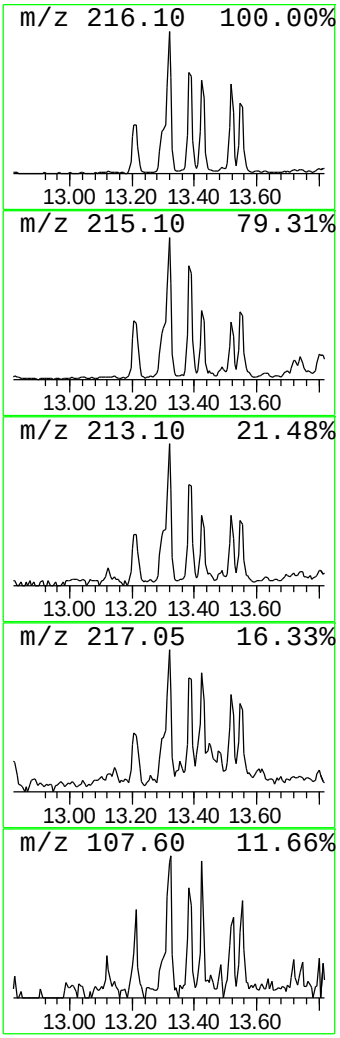
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	4.32 ng	257810	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Library Search Compound Report

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Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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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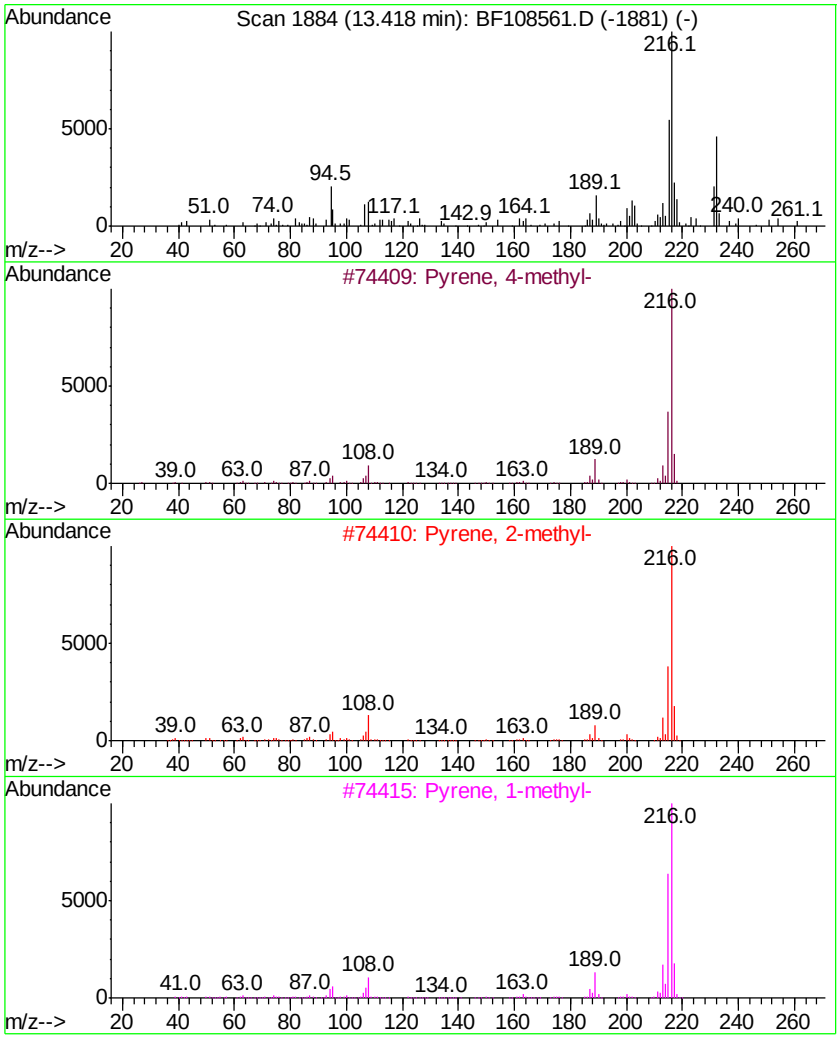
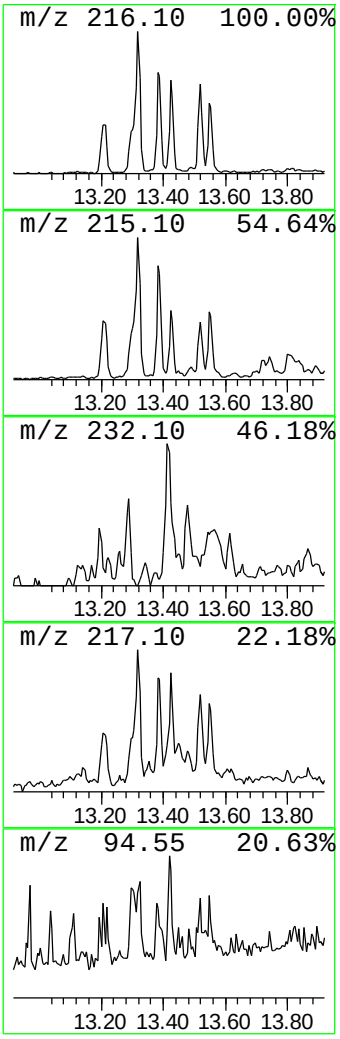
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	2.02 ng	120280	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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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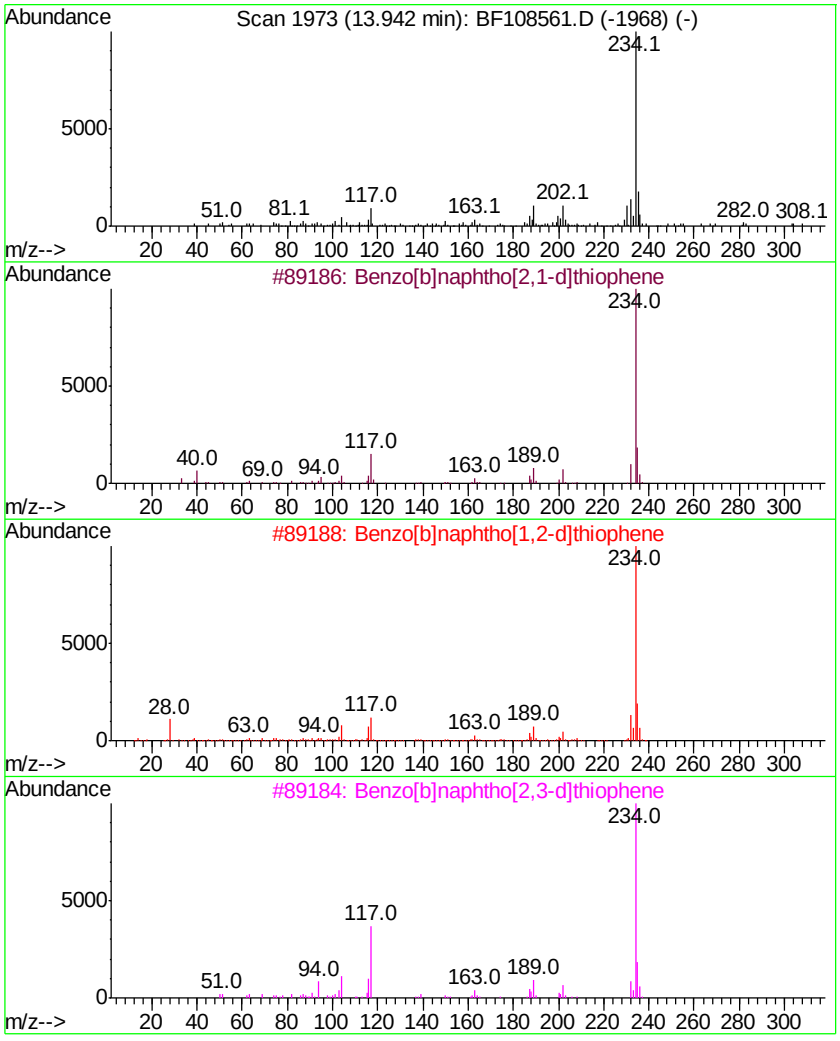
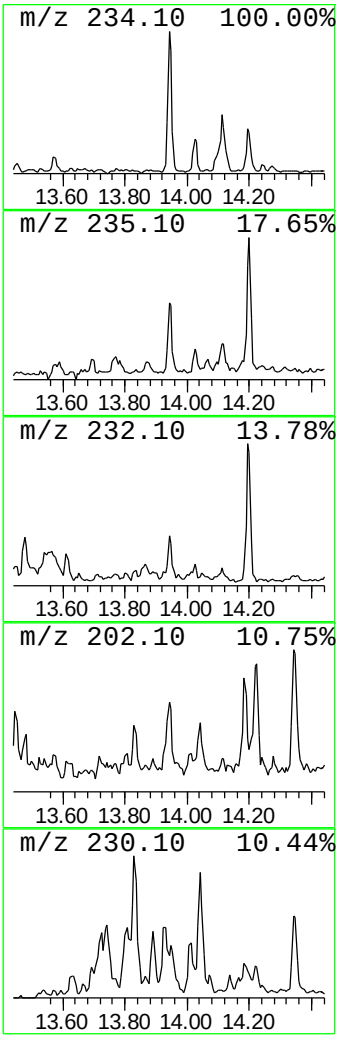
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.35 ng	140149	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83





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Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-082718

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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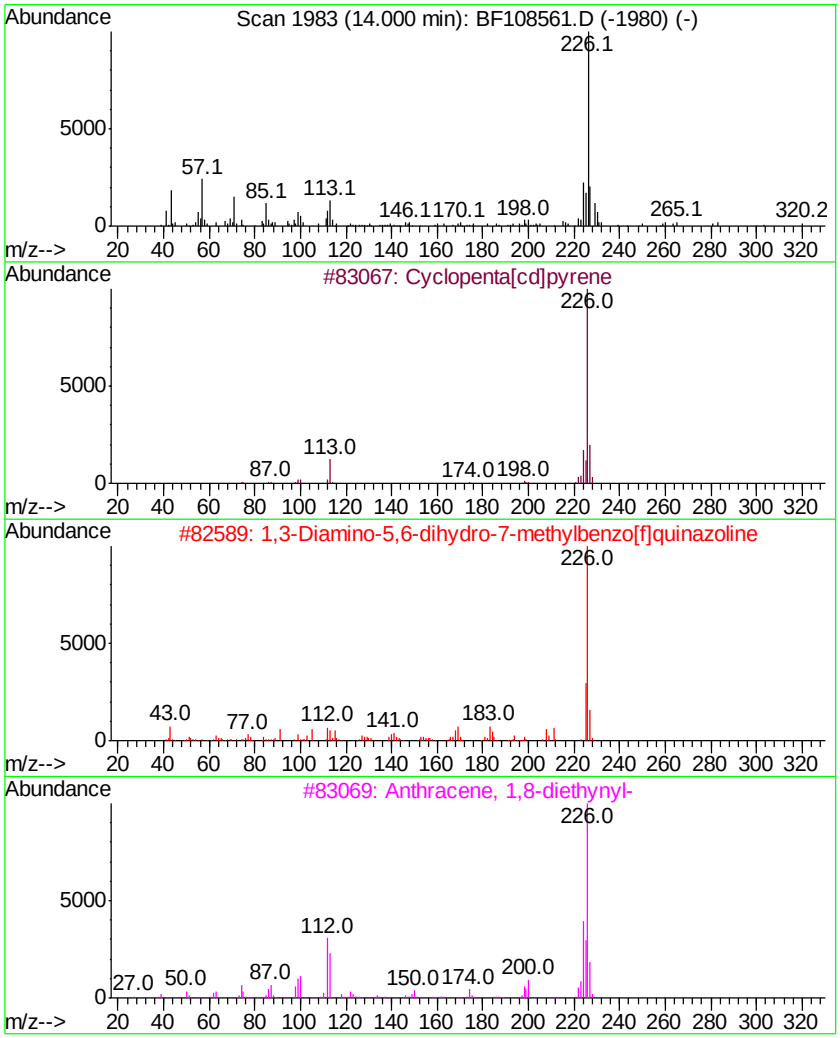
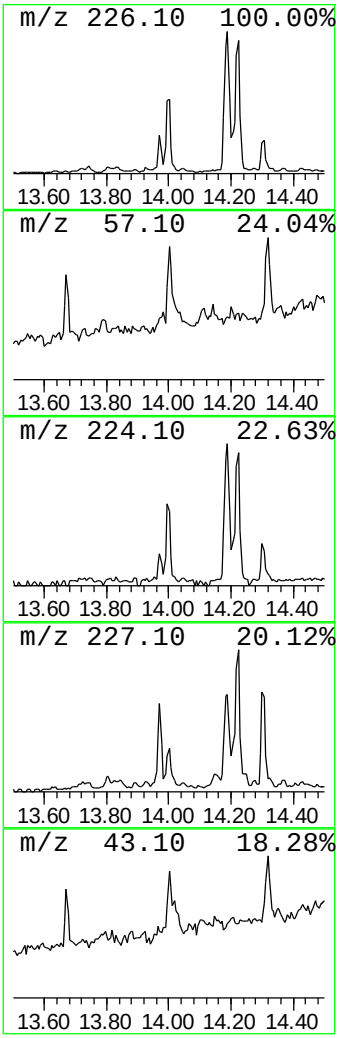
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.14 ng	127396	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
3	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	47
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	42





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Instrument : BNA_F
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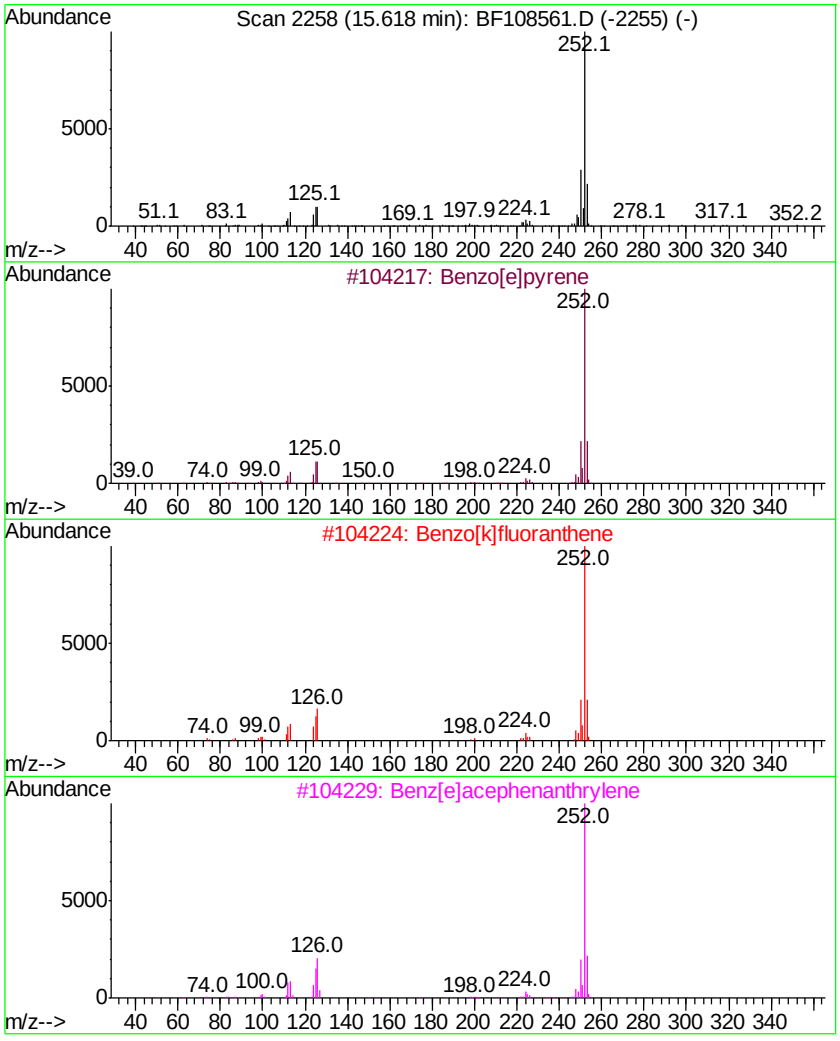
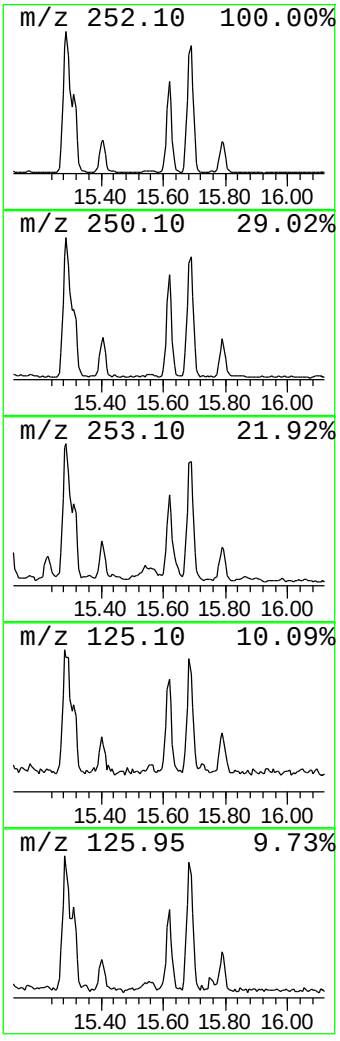
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	7.84 ng	196879	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.78	6.78	5.5	ng	184864	1	7.00	673311	20.0
Naphthalene, 1,6-...	9.69	2.1	ng	99341	3	10.04	929946	20.0
Phenanthrene, 2-m...	12.04	4.0	ng	170122	4	11.54	847469	20.0
Phenanthrene, 1-m...	12.07	3.8	ng	159656	4	11.54	847469	20.0
Benzaldehyde, 3,5...	12.15	6.8	ng	286989	4	11.54	847469	20.0
Naphthalene, 2-ph...	12.34	2.0	ng	86979	4	11.54	847469	20.0
9,10-Dimethylanth...	12.59	4.8	ng	203781	4	11.54	847469	20.0
unknown12.63	12.63	2.2	ng	91617	4	11.54	847469	20.0
1,2,4,8-Tetrameth...	12.68	2.9	ng	123986	4	11.54	847469	20.0
Pyrene, 1-methyl-	13.20	2.3	ng	137656	5	14.19	1192440	20.0
11H-Benzo[a]fluorene	13.32	4.3	ng	257810	5	14.19	1192440	20.0
Pyrene, 4-methyl-	13.42	2.0	ng	120280	5	14.19	1192440	20.0
Benzo[b]naphtho[2...	13.94	2.4	ng	140149	5	14.19	1192440	20.0
Cyclopenta[cd]pyrene	14.00	2.1	ng	127396	5	14.19	1192440	20.0
Benzo[e]pyrene	15.62	7.8	ng	196879	6	15.75	502253	20.0