LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

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-BF061918.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	5.195	482	486	496	rBB	81590	93760	9.55%	0.640%
2	5.601	551	555	567	rVB	900583	821719	83.68%	5.609%
3	6.601	721	725	735	rVB	826917	841898	85.73%	5.746%
4	6.736	744	748	751	rBV	952869	853188	86.88%	5.824%
5	6.960	782	786	789	rBV	340869	263352	26.82%	1.798%
6	7.119	809	813	816	rBV	735332	675458	68.78%	4.610%
7	7.525	877	882	885	rBV	597943	523971	53.36%	3.576%
8	8.242	1000	1004	1007	rBV	381787	314239	32.00%	2.145%
9	8.266	1007	1008	1015	rVB	27852	16959	1.73%	0.116%
10	9.319	1182	1187	1190	rBV	958629	927498	94.45%	6.331%
11	9.707	1250	1253	1259	rVB	150236	124298	12.66%	0.848%
12	9.860	1276	1279	1284	rBV	38706	36406	3.71%	0.248%
13	9.907	1284	1287	1291	rBV	19569	18272	1.86%	0.125%
14	10.001	1300	1303	1306	rBV2	357693	298498	30.40%	2.037%
15	10.030	1306	1308	1313	rVB	28111	25668	2.61%	0.175%
16	10.207	1333	1338	1340	rBV2	20183	19529	1.99%	0.133%
17	10.407	1370	1372	1375	rVB	31879	25183	2.56%	0.172%
18	10.548	1393	1396	1402	rBV	34212	33015	3.36%	0.225%
19	10.630	1406	1410	1413	rBV3	12733	16837	1.71%	0.115%
20	10.795	1434	1438	1444	rBV	576337	512311	52.17%	3.497%
21	10.883	1450	1453	1458	rBV	32647	36165	3.68%	0.247%
22	11.101	1483	1490	1493	rBV4	11556	19161	1.95%	0.131%
23	11.224	1506	1511	1513	rBV3	9155	11131	1.13%	0.076%
24	11.248	1513	1515	1521	rVB2	11354	11713	1.19%	0.080%
25	11.330	1526	1529	1531	rBV2	24494	22096	2.25%	0.151%
26	11.389	1537	1539	1543	rVB	16301	12239	1.25%	0.084%
27	11.495	1553	1557	1559	rBV	338776	295654	30.11%	2.018%
28	11.519	1559	1561	1565	rVV	299672	223887	22.80%	1.528%
29	11.571	1566	1570	1572	rVV	83927	72741	7.41%	0.497%
30	11.607	1572	1576	1580	rVB2	11800	15224	1.55%	0.104%
31	11.730	1592	1597	1600	rBV3	18359	24697	2.51%	0.169%
32	11.760	1600	1602	1604	rVB	13900	10307	1.05%	0.070%
33	11.995	1638	1642	1644	rBV	45341	38181	3.89%	0.261%
34	12.024	1644	1647	1650	rVV	62881	51260	5.22%	0.350%

LSC Area Percent Report

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Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.071	1651	1655	1658	rVV	40396	34561	3.52%	0.236%
36	12.113	1658	1662	1664	rVV	83664	91369	9.30%	0.624%
37	12.130	1664	1665	1669	rVB	37943	23554	2.40%	0.161%
38	12.171	1669	1672	1675	rBV3	10642	11377	1.16%	0.078%
39	12.289	1689	1692	1695	rVB	37536	31387	3.20%	0.214%
40	12.318	1695	1697	1700	rBV	16967	14642	1.49%	0.100%
41	12.436	1712	1717	1720	rBV4	14451	16526	1.68%	0.113%
42	12.542	1732	1735	1739	rBV2	44298	52266	5.32%	0.357%
43	12.589	1739	1743	1744	rVV	28644	34087	3.47%	0.233%
44	12.636	1748	1751	1755	rVB4	25099	32800	3.34%	0.224%
45	12.713	1760	1764	1768	rBV	530648	460805	46.92%	3.145%
46	12.771	1772	1774	1777	rVB	17890	15181	1.55%	0.104%
47	12.807	1777	1780	1783	rBV	41130	33434	3.40%	0.228%
48	12.865	1787	1790	1792	rVV	18609	19473	1.98%	0.133%
49	12.924	1796	1800	1801	rBV	127149	114990	11.71%	0.785%
50	12.948	1801	1804	1809	rVB	461160	431020	43.89%	2.942%
51	12.989	1809	1811	1816	rVB2	42052	45080	4.59%	0.308%
52	13.077	1816	1826	1829	rBV	991498	982013	100.00%	6.703%
53	13.101	1829	1830	1833	rVB	27877	21439	2.18%	0.146%
54	13.165	1835	1841	1845	rBV3	51702	95296	9.70%	0.650%
55	13.271	1851	1859	1863	rBV2	133199	200375	20.40%	1.368%
56	13.336	1867	1870	1872	rVV	109774	87081	8.87%	0.594%
57	13.377	1872	1877	1880	rVV2	90520	120685	12.29%	0.824%
58	13.401	1880	1881	1884	rVB3	19813	14734	1.50%	0.101%
59	13.430	1884	1886	1890	rBV3	19603	25517	2.60%	0.174%
60	13.471	1890	1893	1895	rVV	46946	45485	4.63%	0.310%
61	13.501	1895	1898	1901	rVB2	49394	48874	4.98%	0.334%
62	13.624	1916	1919	1920	rBV3	10423	10359	1.05%	0.071%
63	13.648	1920	1923	1925	rVV3	15536	20430	2.08%	0.139%
64	13.671	1925	1927	1929	rVV2	28009	31072	3.16%	0.212%
65	13.695	1929	1931	1934	rVV	29795	26425	2.69%	0.180%
66	13.754	1938	1941	1944	rBV3	32426	43138	4.39%	0.294%
67	13.783	1944	1946	1950	rVB	48028	50061	5.10%	0.342%
68	13.895	1960	1965	1968	rBV2	52495	76502	7.79%	0.522%
69	13.924	1968	1970	1972	rVV	78447	64892	6.61%	0.443%
70	13.960	1972	1976	1980	rVV4	107535	151356	15.41%	1.033%
71	13.995	1980	1982	1986	rVB	44176	45032	4.59%	0.307%

LSC Area Percent Report

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Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.065	1989	1994	1999	rBV3	24757	56517	5.76%	0.386%
73	14.148	2001	2008	2011	rBV2	519517	812628	82.75%	5.547%
74	14.177	2011	2013	2020	rVB	327395	340803	34.70%	2.326%
75	14.236	2021	2023	2025	rVB2	16527	12970	1.32%	0.089%
76	14.260	2025	2027	2030	rBV	72841	79213	8.07%	0.541%
77	14.301	2033	2034	2037	rBV2	18174	15196	1.55%	0.104%
78	14.371	2044	2046	2047	rBV	33268	26916	2.74%	0.184%
79	14.512	2067	2070	2071	rBV2	28213	28791	2.93%	0.197%
80	14.548	2071	2076	2079	rVV	106864	125081	12.74%	0.854%
81	14.583	2079	2082	2084	rBV2	40653	40624	4.14%	0.277%
82	14.654	2092	2094	2096	rVB	27824	22478	2.29%	0.153%
83	14.683	2096	2099	2101	rVV	50366	51740	5.27%	0.353%
84	14.701	2101	2102	2107	rVB2	57633	49975	5.09%	0.341%
85	14.877	2130	2132	2135	rBV2	26147	34960	3.56%	0.239%
86	15.077	2162	2166	2172	rVB4	35574	54578	5.56%	0.373%
87	15.242	2190	2194	2198	rBV	262300	452832	46.11%	3.091%
88	15.271	2198	2199	2203	rVB	157978	110806	11.28%	0.756%
89	15.359	2210	2214	2219	rVB	80179	88818	9.04%	0.606%
90	15.448	2226	2229	2231	rBV2	23777	32125	3.27%	0.219%
91	15.571	2246	2250	2255	rVB	158130	214530	21.85%	1.464%
92	15.636	2256	2261	2266	rBV	261467	346151	35.25%	2.363%
93	15.701	2268	2272	2275	rVV	167723	227032	23.12%	1.550%
94	15.736	2275	2278	2284	rVB2	71407	103429	10.53%	0.706%
95	16.301	2372	2374	2379	rVB3	19034	21475	2.19%	0.147%
96	17.283	2534	2541	2551	rVB2	93460	206623	21.04%	1.410%
97	17.465	2567	2572	2577	rBV	25208	49113	5.00%	0.335%
98	17.759	2616	2622	2629	rBV	62918	135446	13.79%	0.925%

Sum of corrected areas: 14650683

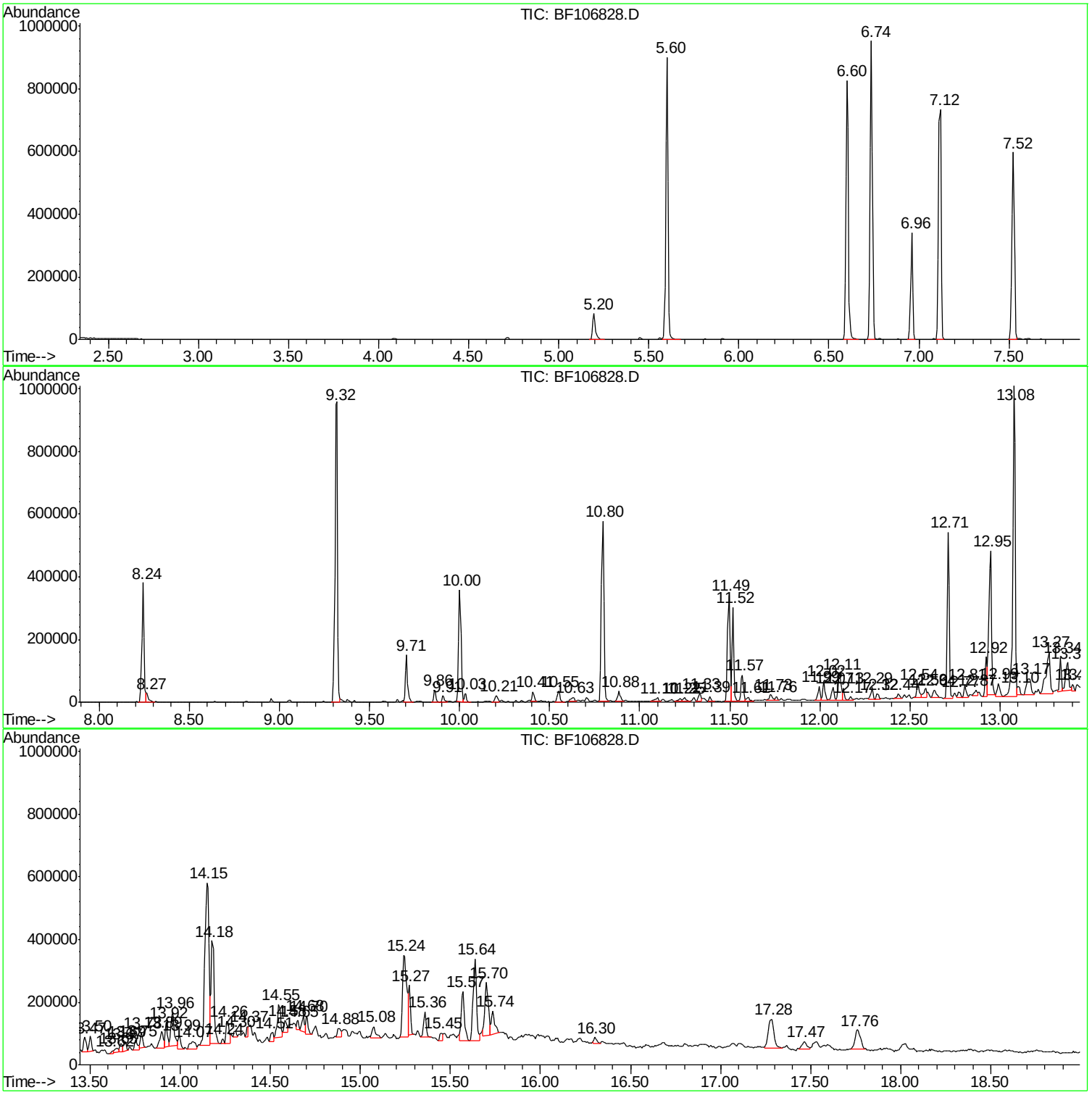
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

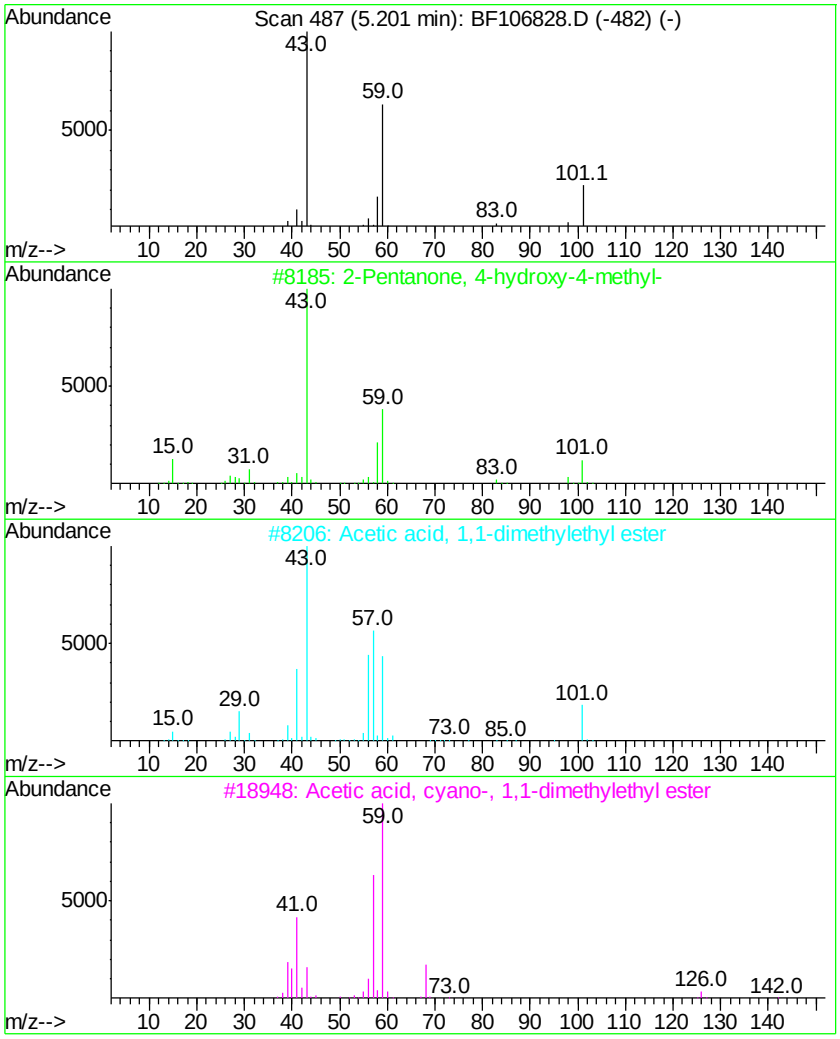
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

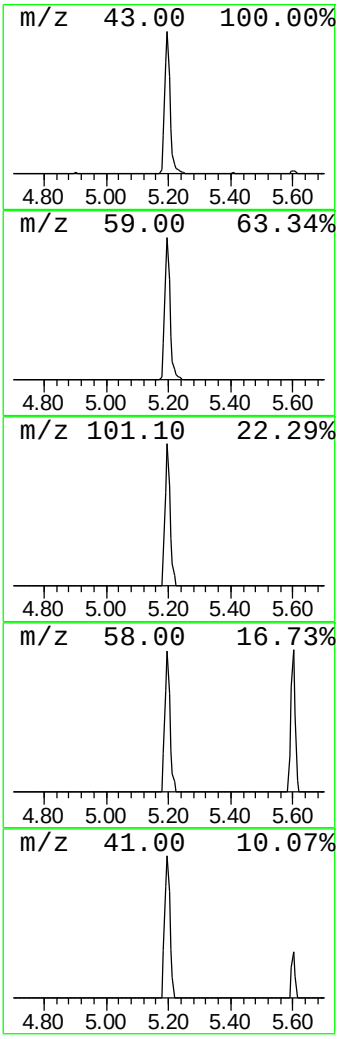
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	7.12 ng	93760	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

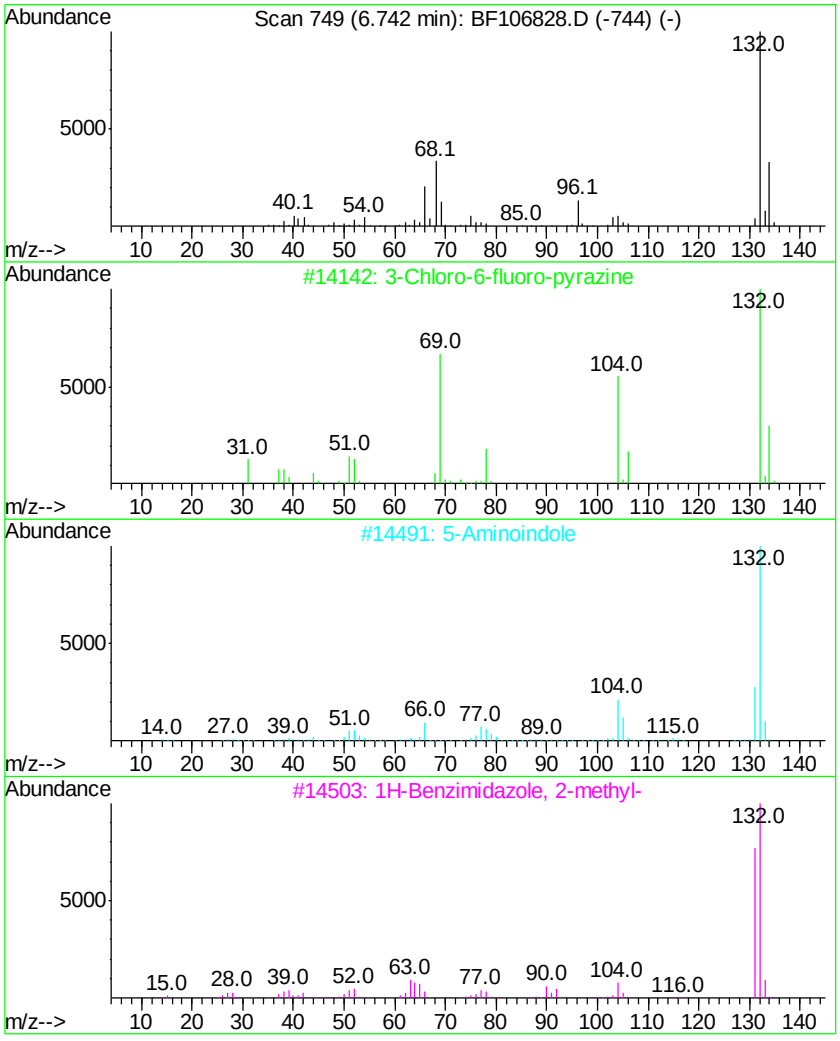
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

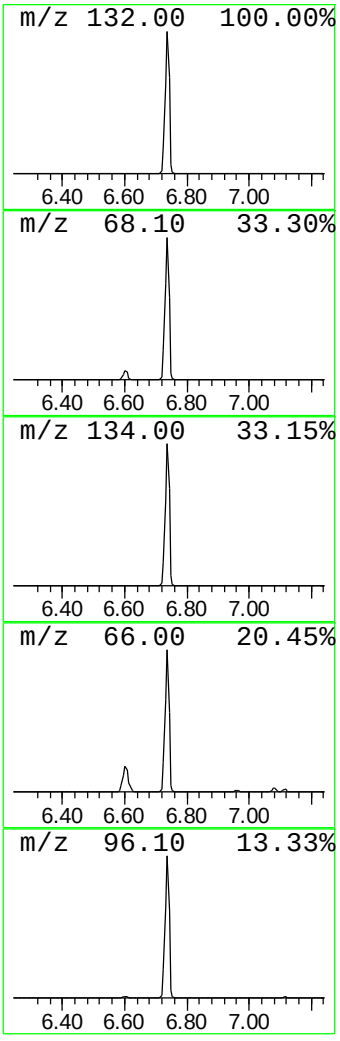
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	64.79 ng	853188	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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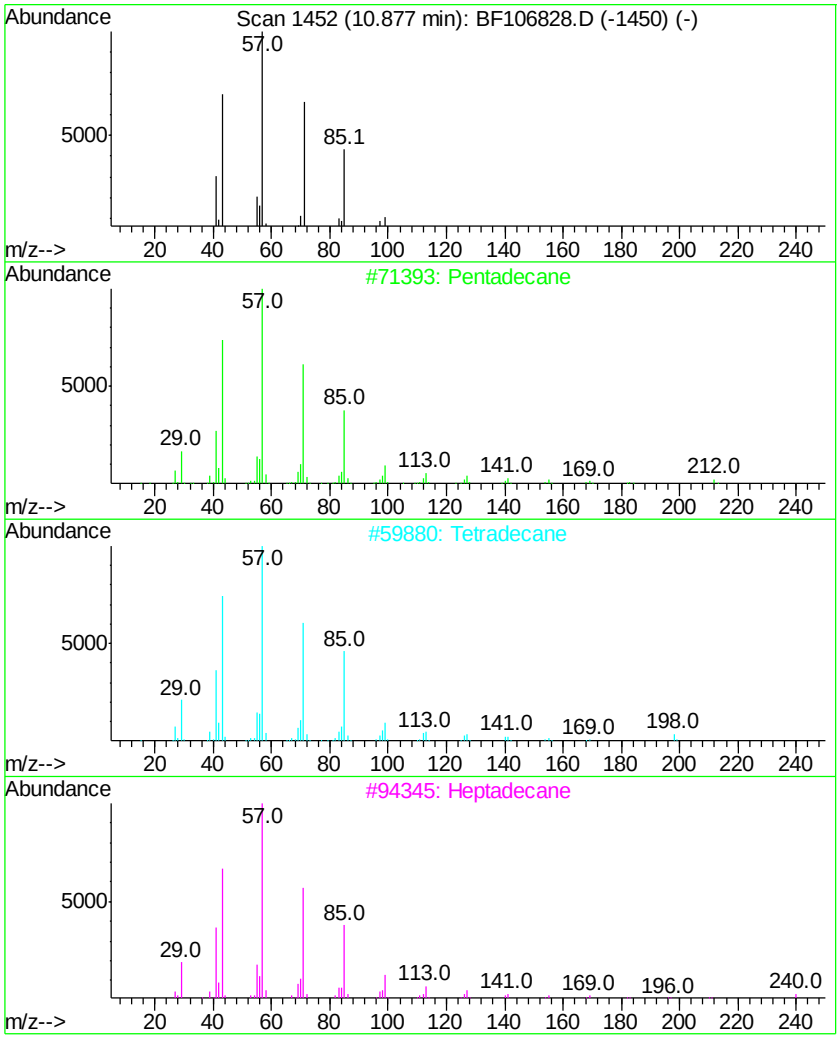
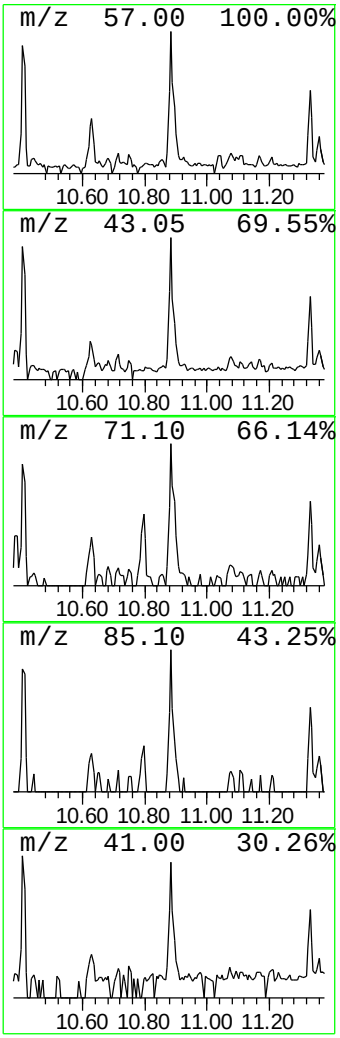
Peak Number 4 Pentadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	2.45 ng	36165	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Nonadecane	268	C19H40	000629-92-5	83
5	Hexadecane	226	C16H34	000544-76-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

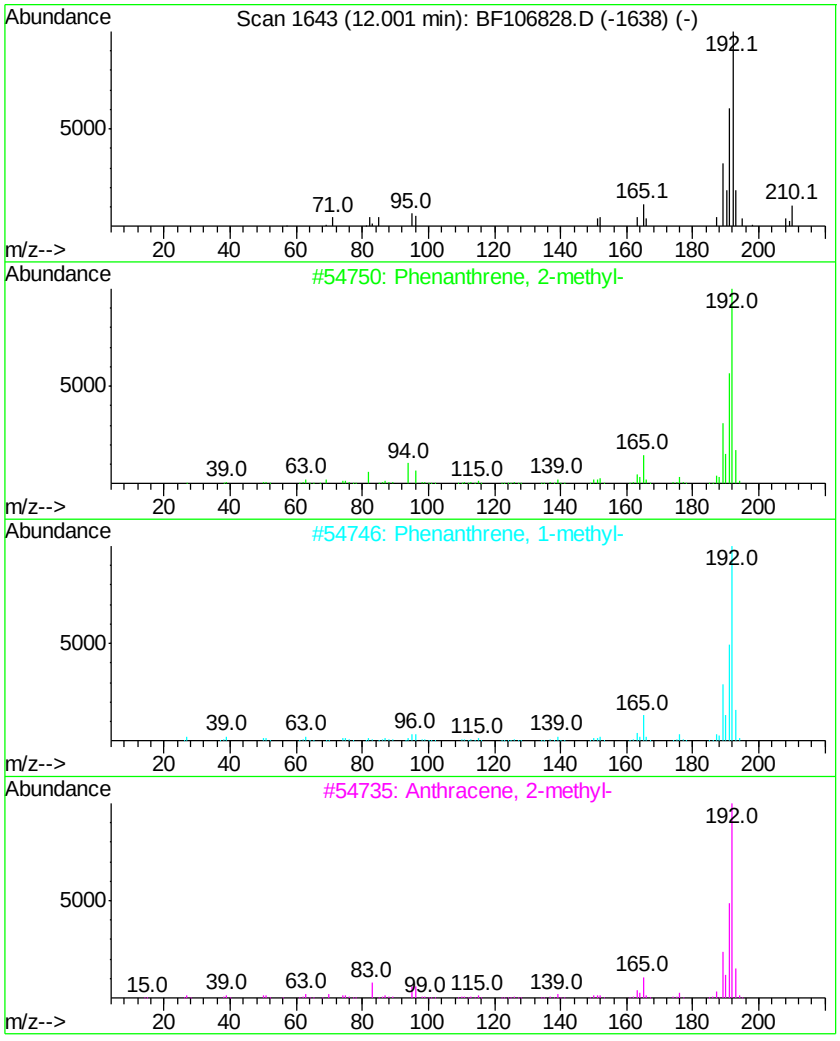
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

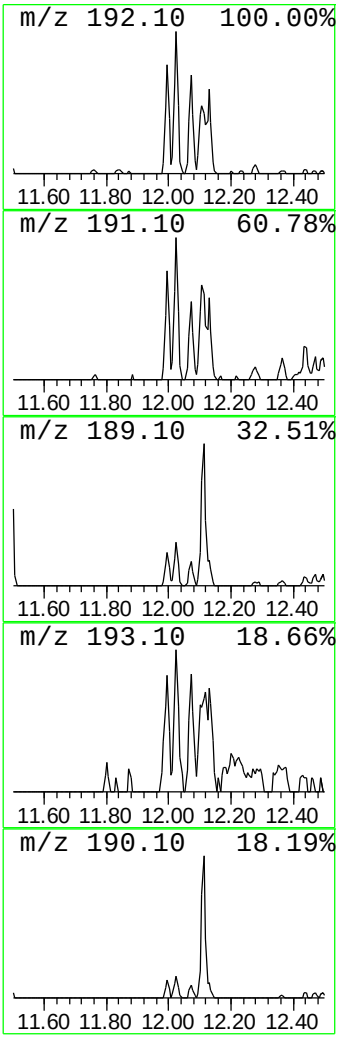
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.58 ng	38181	Phenanthrene-d10	11.49

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

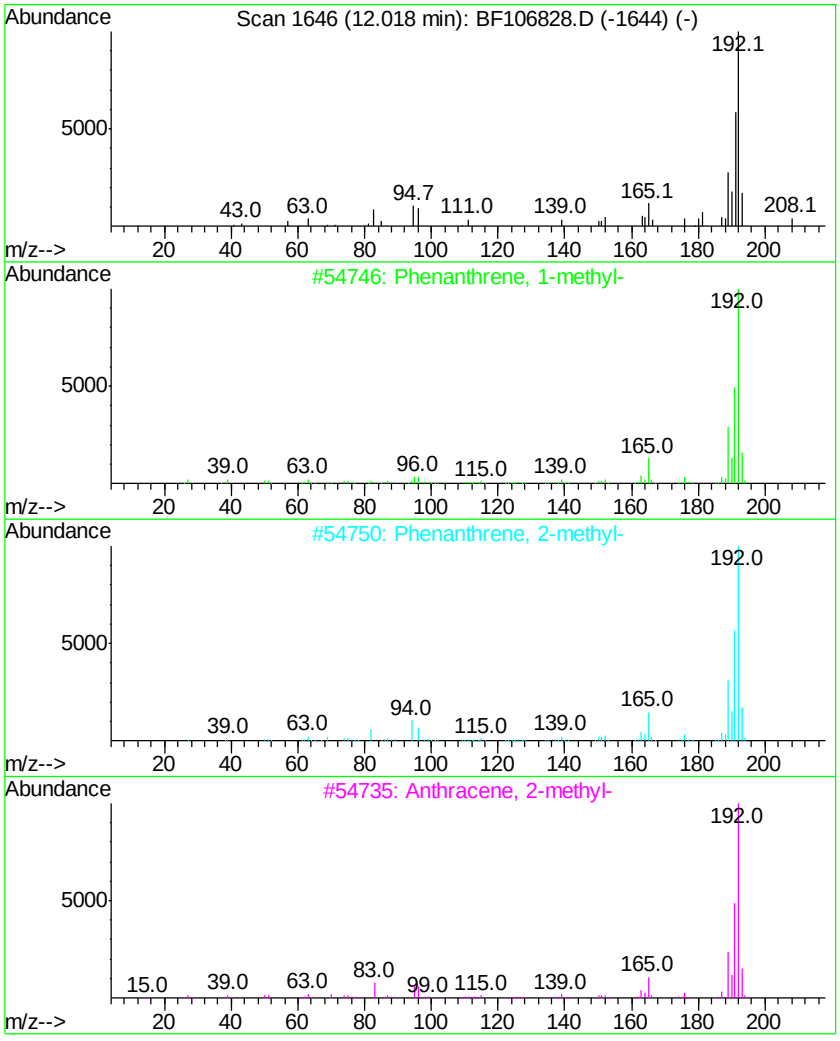
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

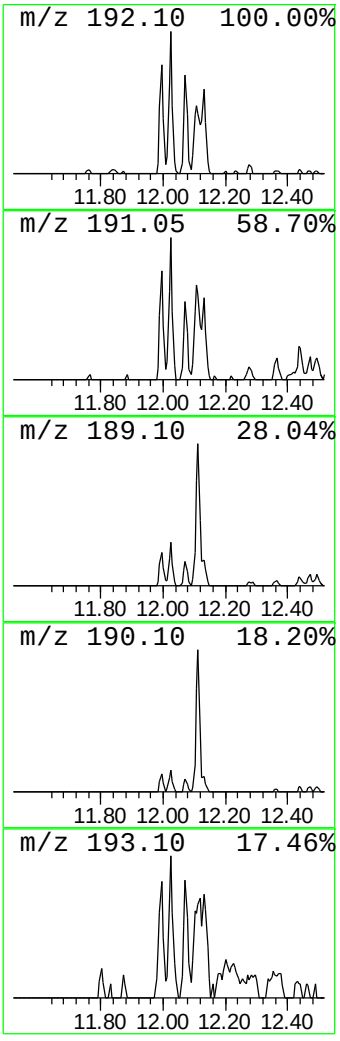
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.47 ng	51260	Phenanthrene-d10	11.49

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	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

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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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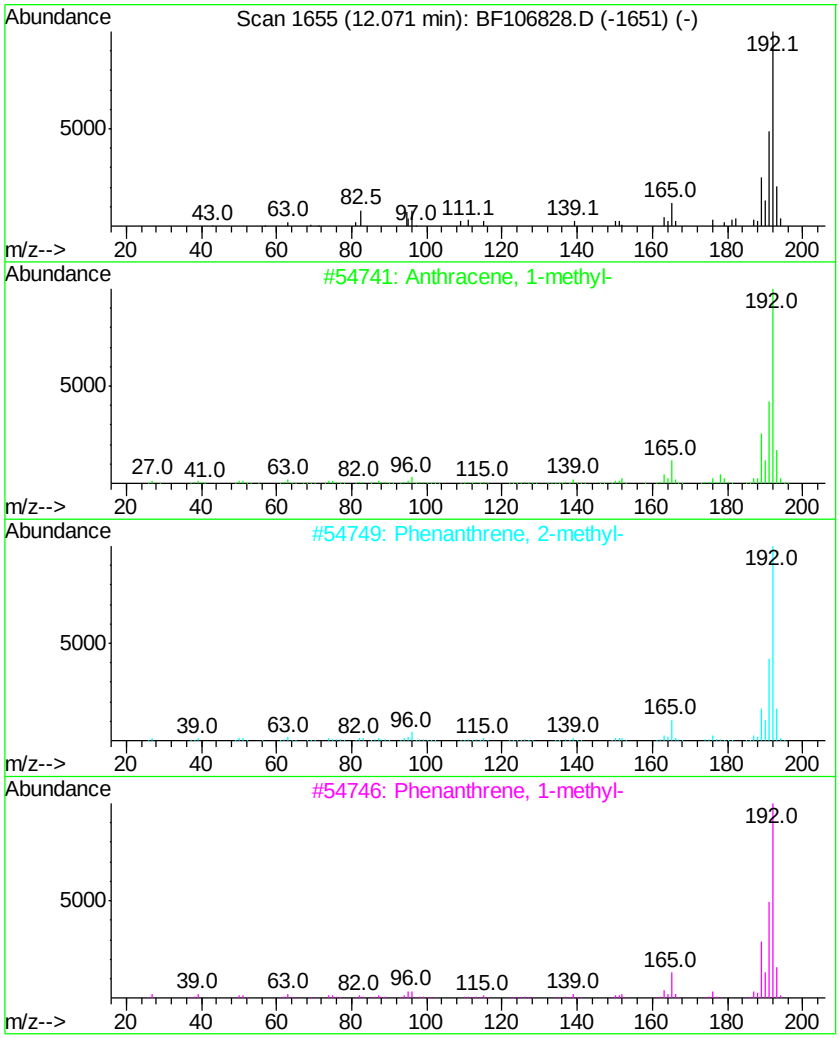
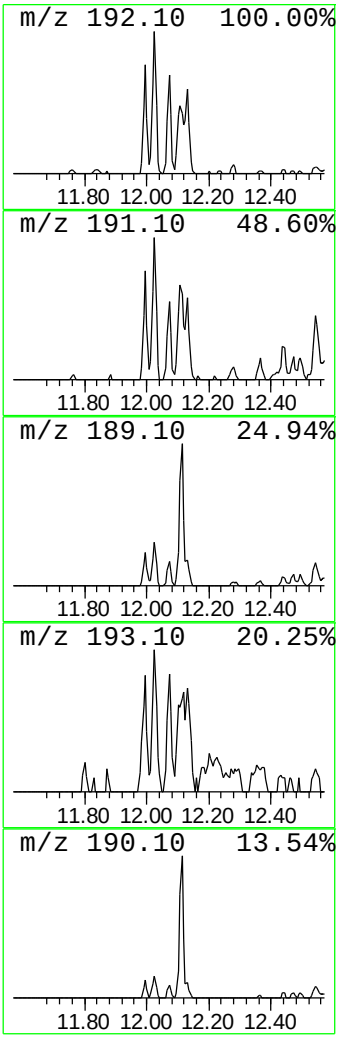
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.34 ng	34561	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

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Misc :
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ClientSampleId : TP-2-S

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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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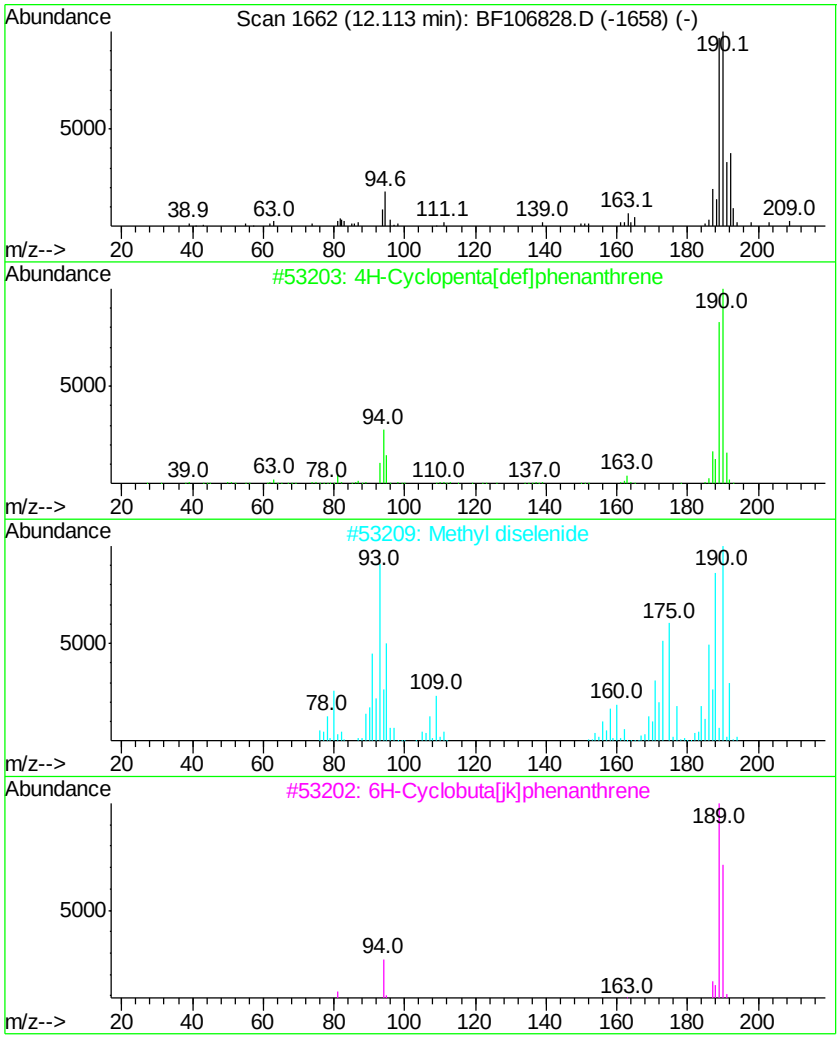
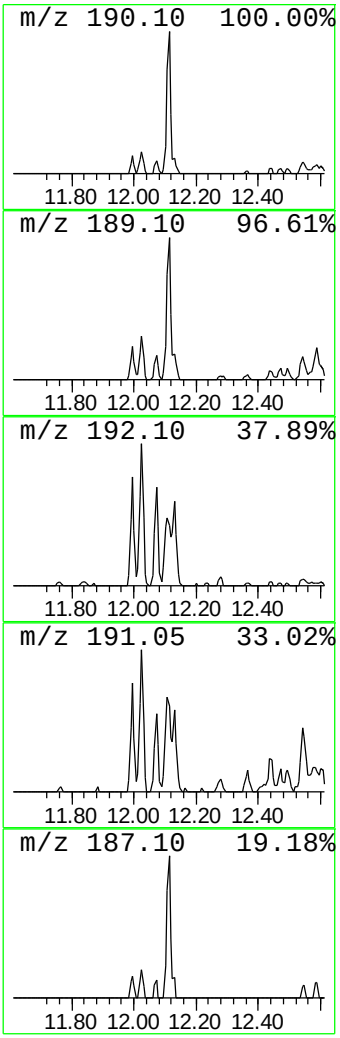
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.18 ng	91369	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : TP-2-S

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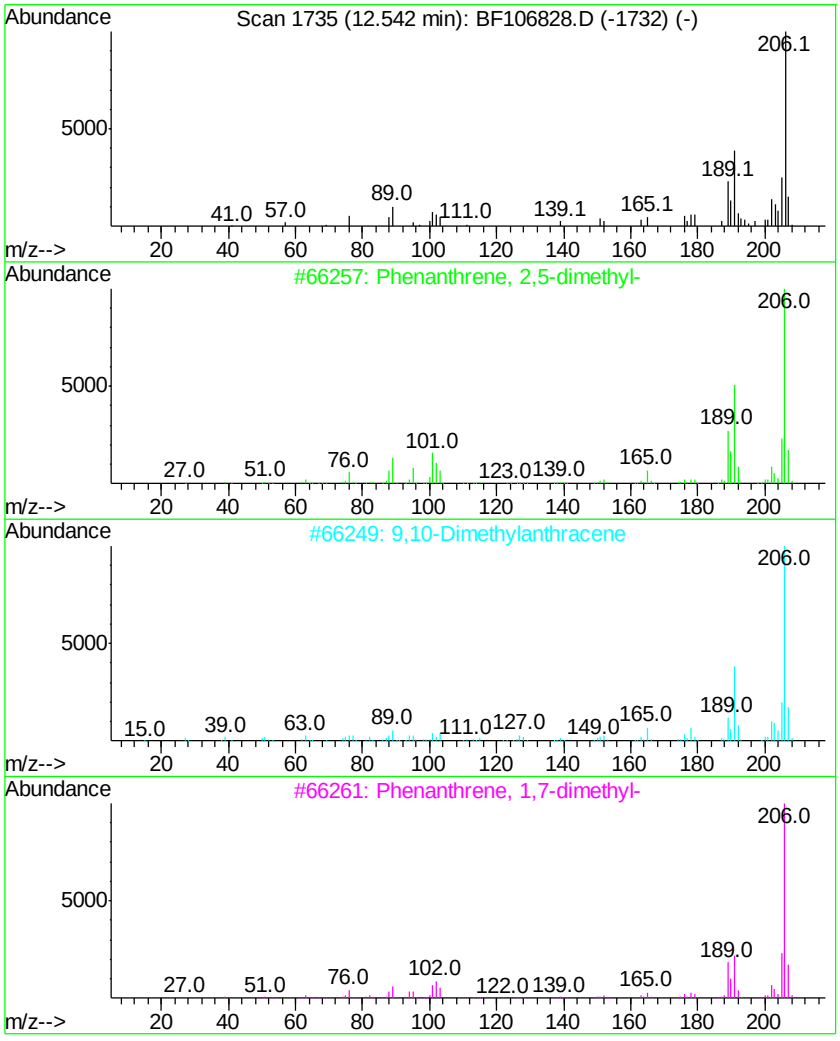
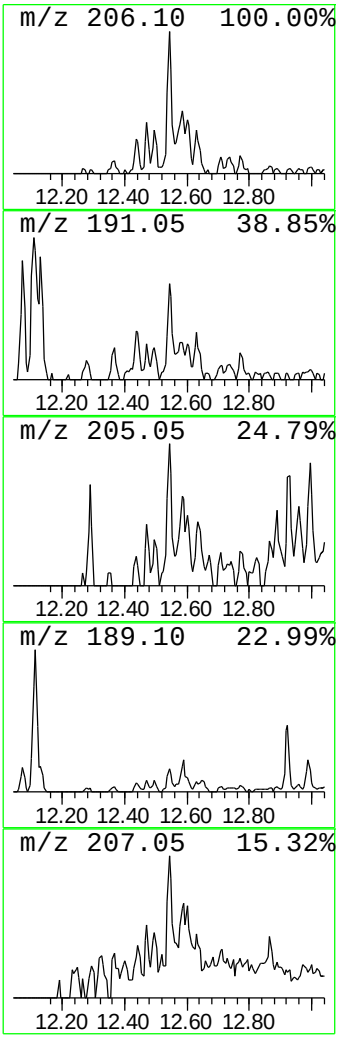
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.54 ng	52266	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
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ClientSampleId : TP-2-S

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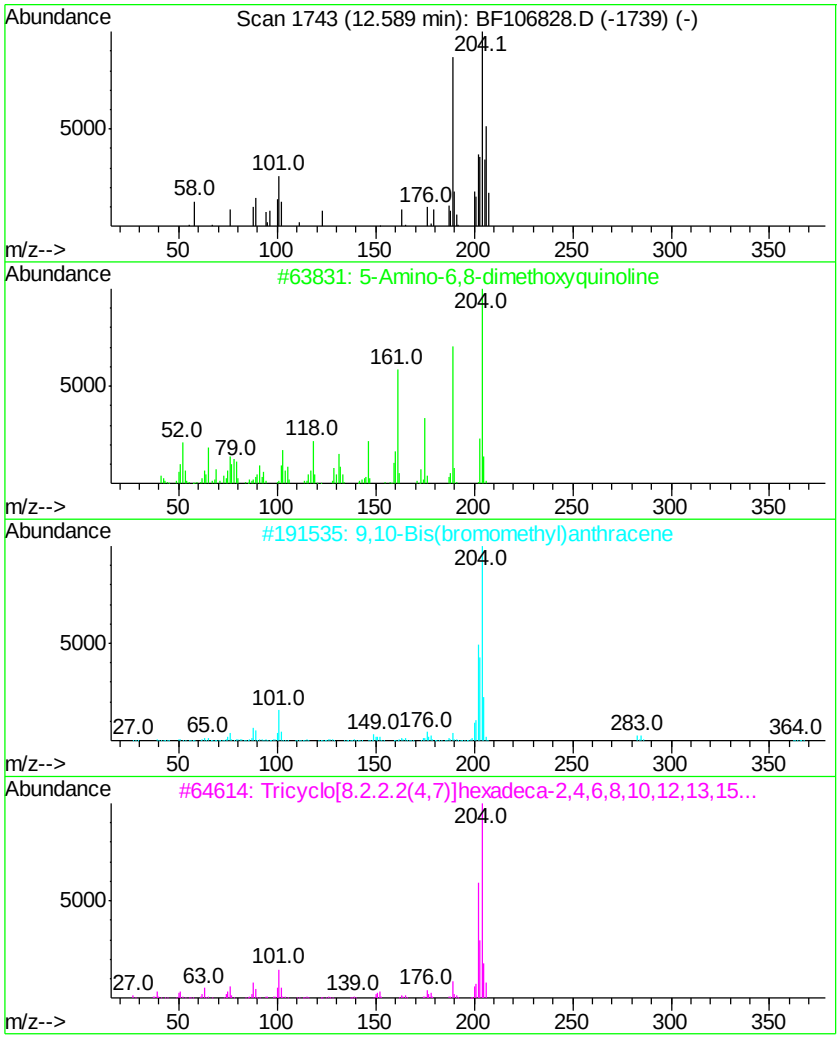
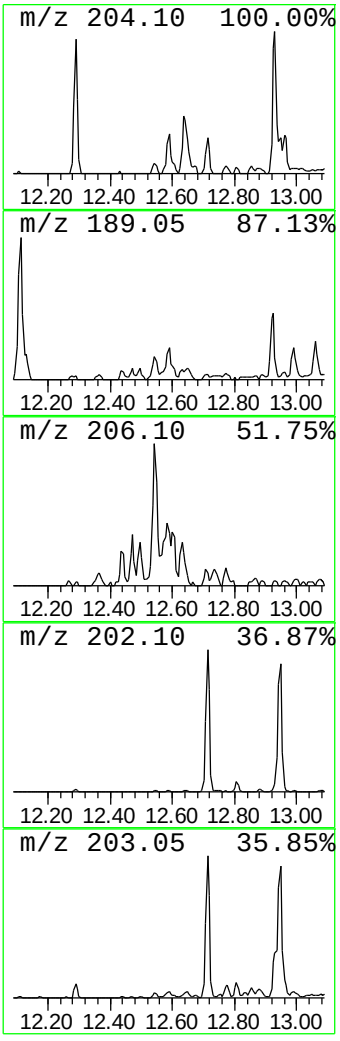
Peak Number 10 unknown12.59 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.31 ng	34087	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	47
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	37
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	30





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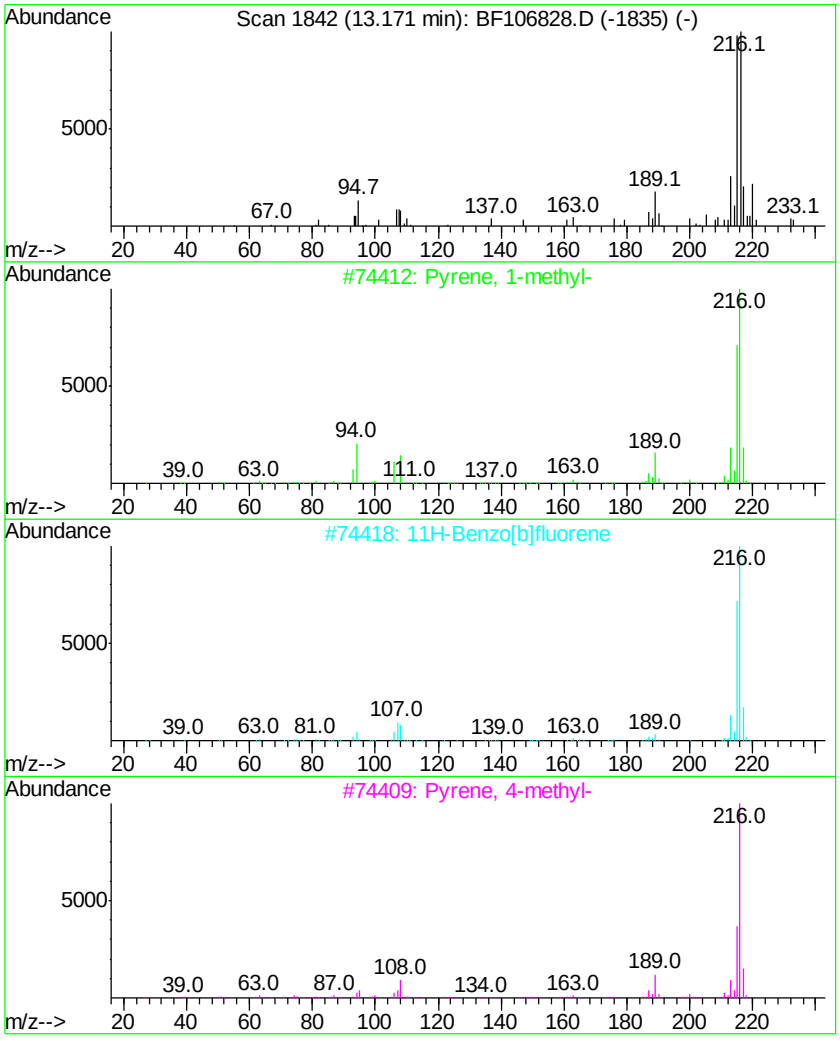
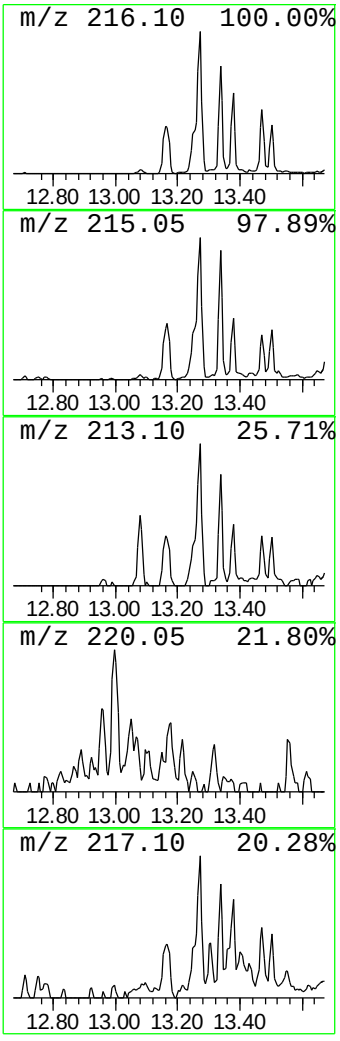
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.35 ng	95296	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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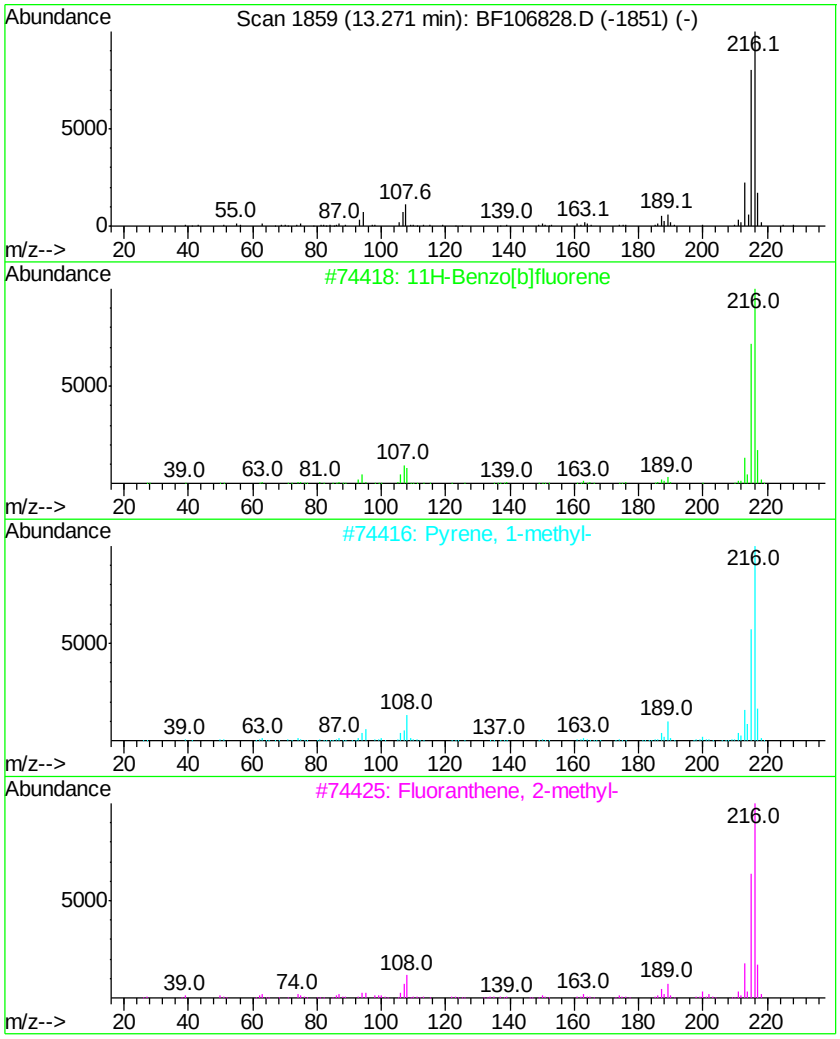
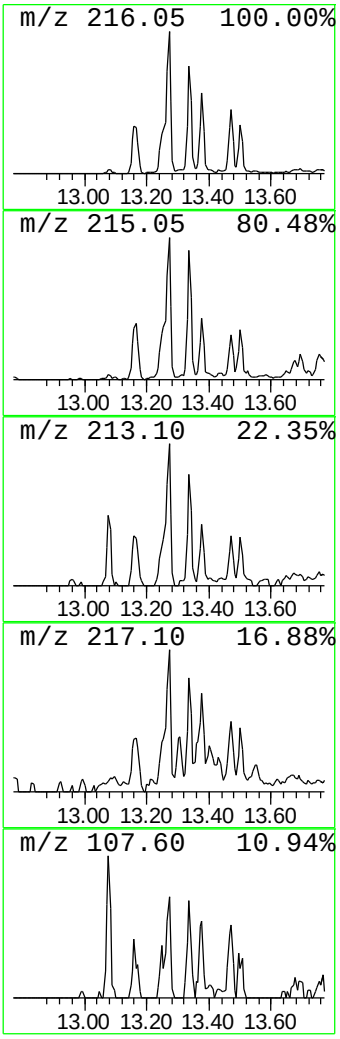
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.93 ng	200375	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





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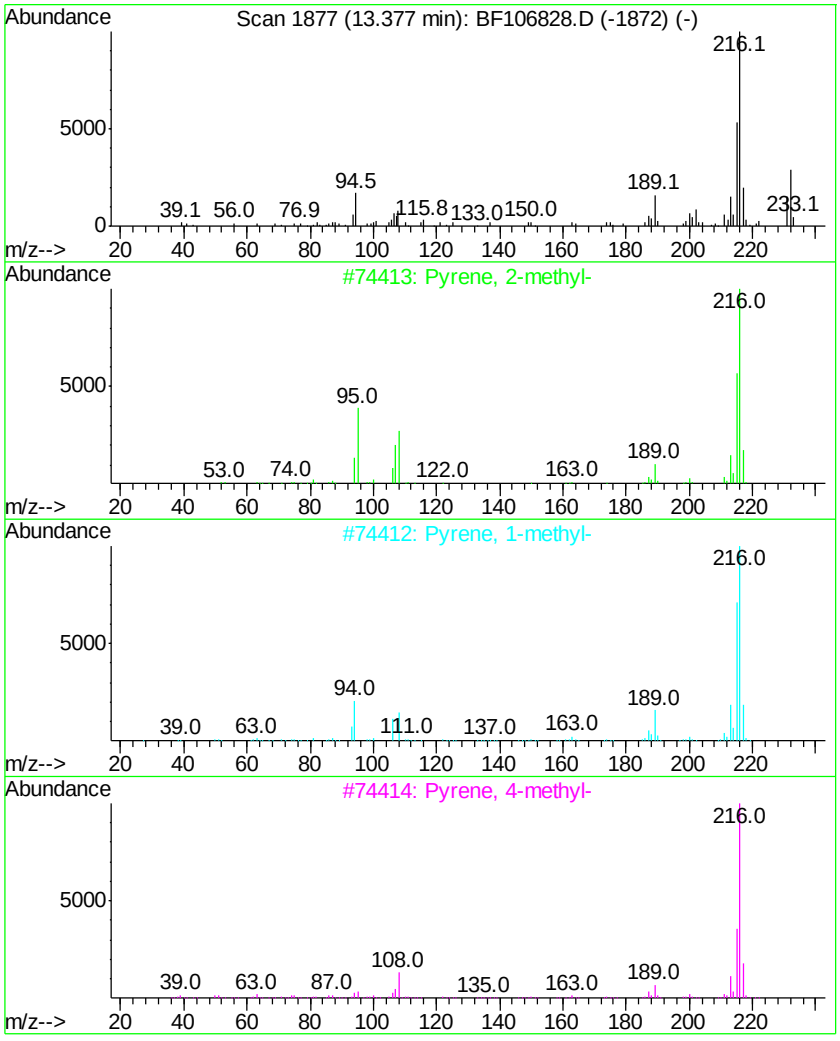
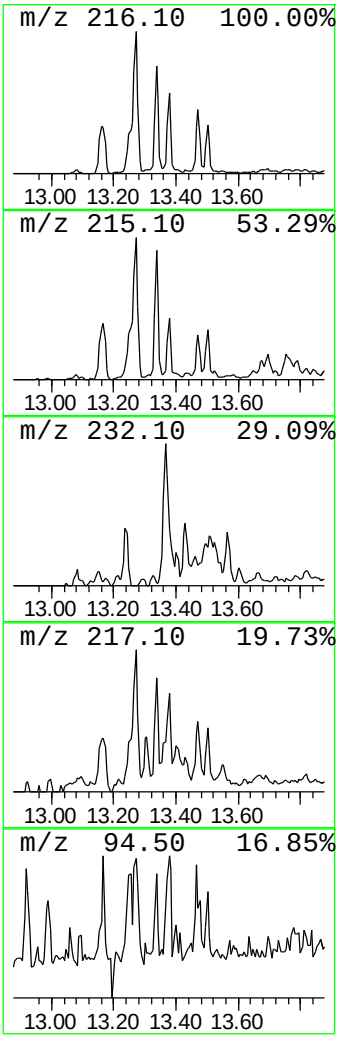
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.97 ng	120685	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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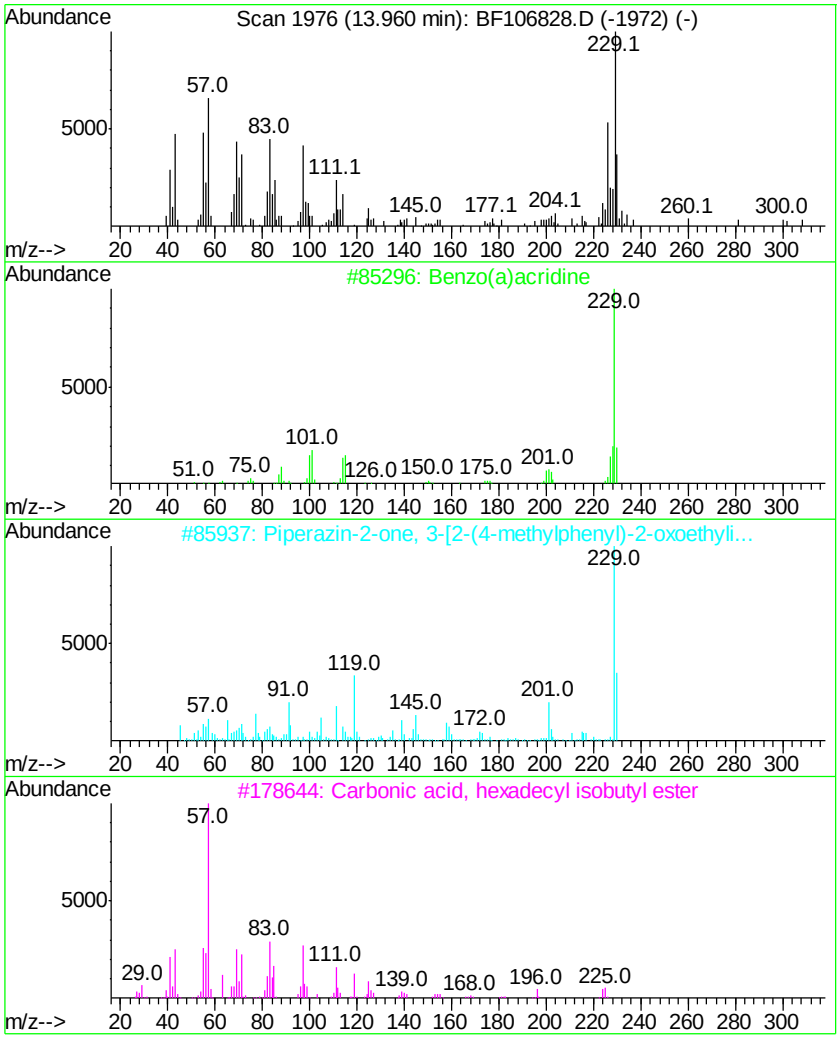
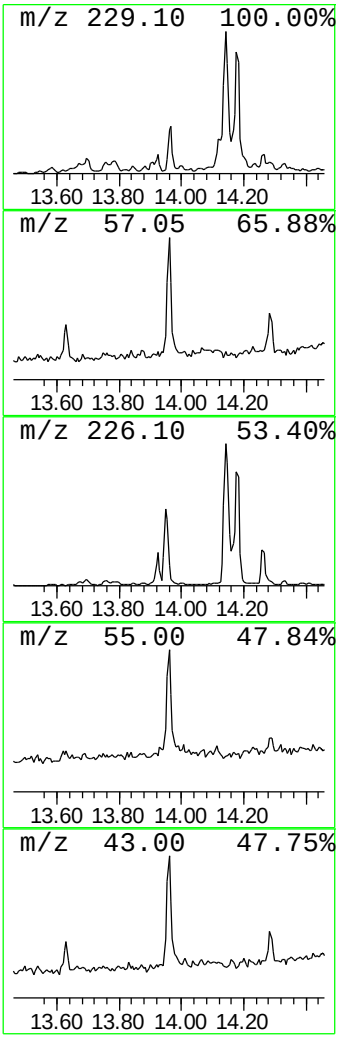
Peak Number 14 unknown13.96 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	3.73 ng	151356	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	35
2	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	22
3	Carbonic acid, hexadecyl isobutyl...	342	C21H42O3	1000314-61-3	18
4	Carbonic acid, isobutyl octadecyl...	370	C23H46O3	1000314-61-5	18
5	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	15





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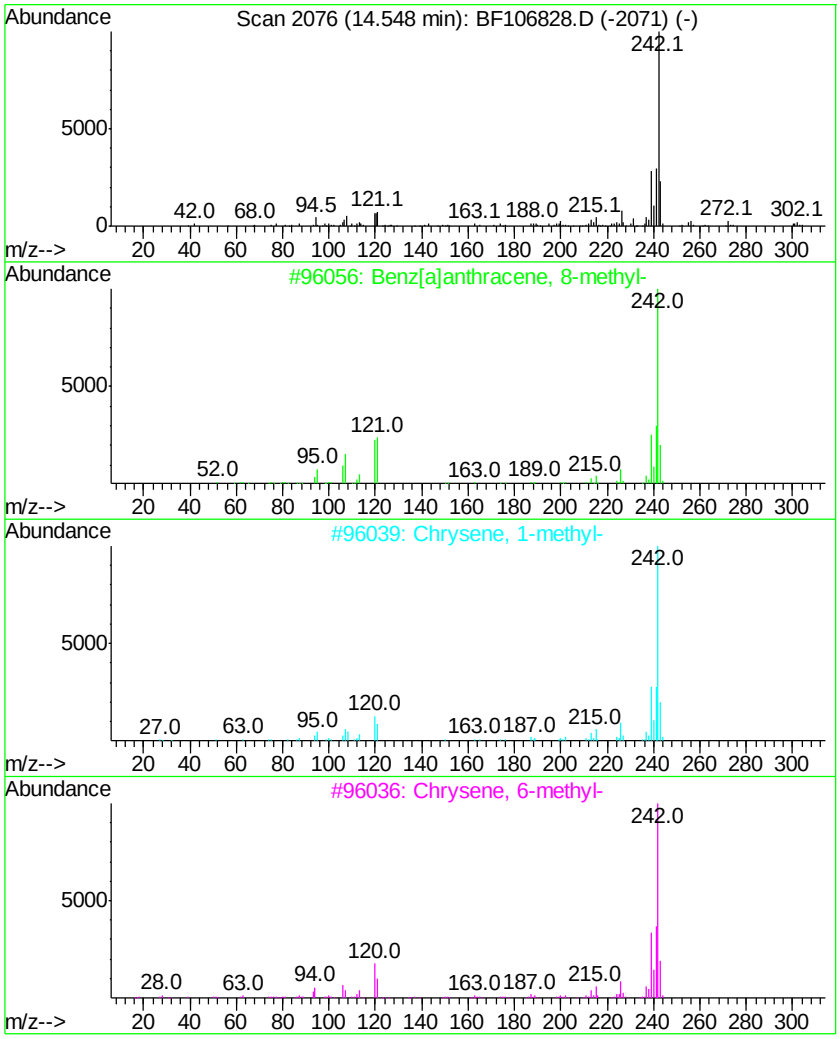
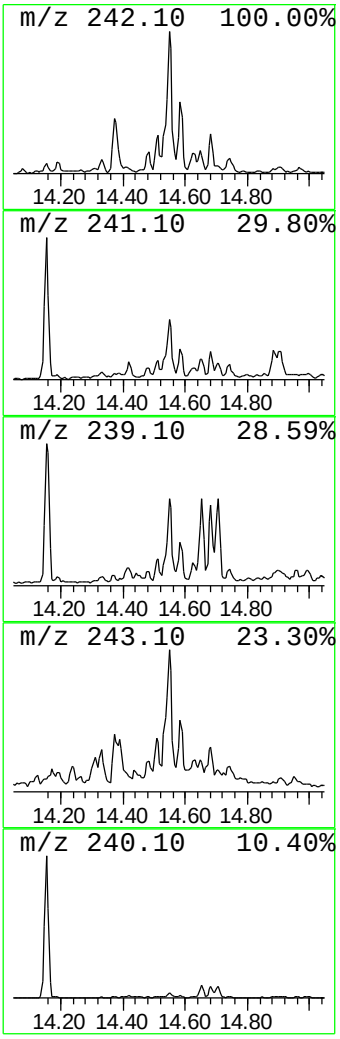
Peak Number 15 Benz[a]anthracene, 8-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.08 ng	125081	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89





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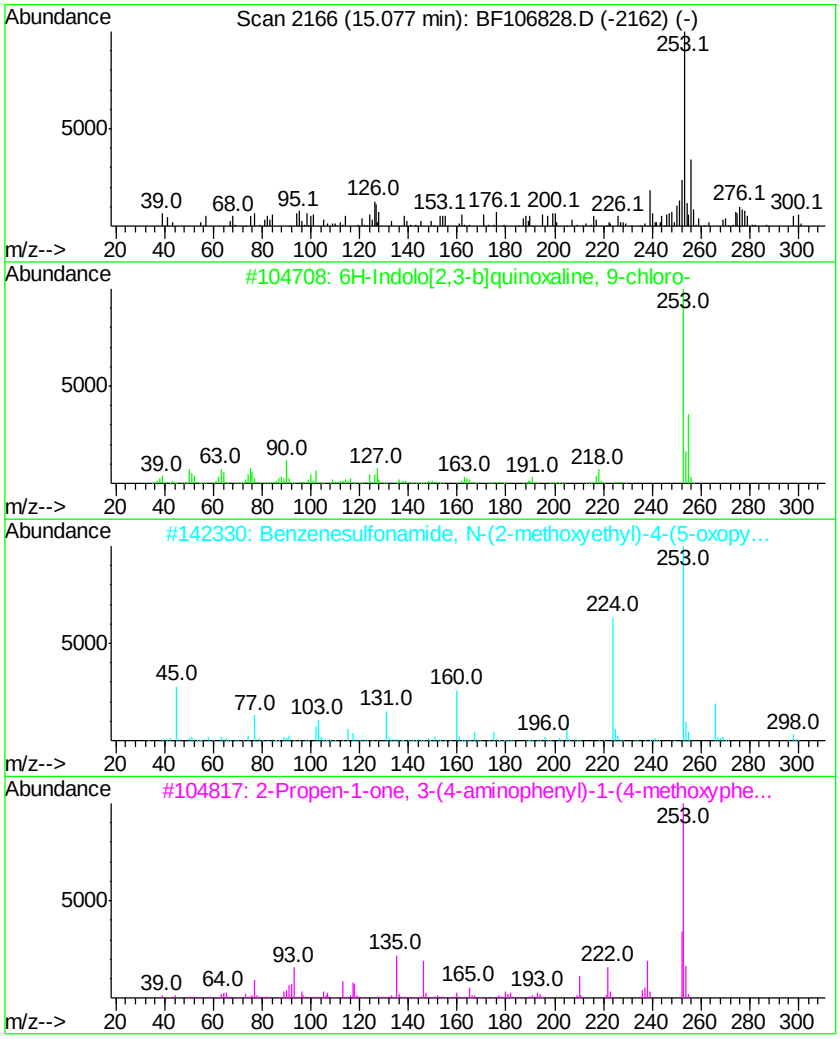
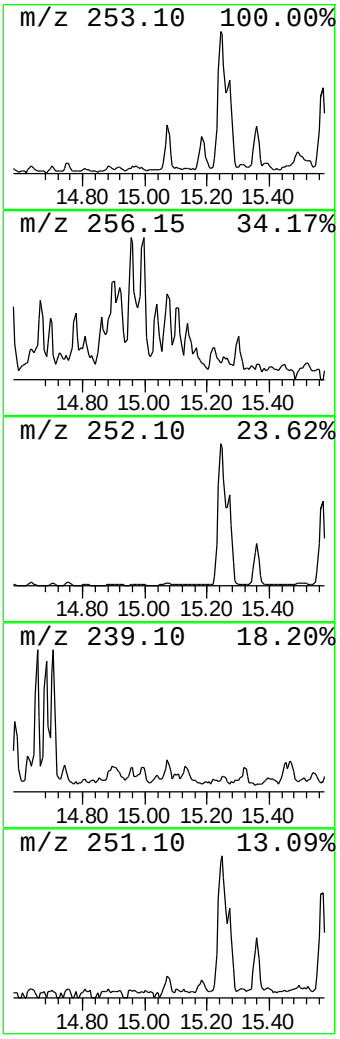
Peak Number 16 unknown15.08 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	4.81 ng	54578	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Indolo[2,3-b]quinoxaline, 9-c...	253	C14H8ClN3	1000304-55-7	38
2	Benzenesulfonamide, N-(2-methoxy...	298	C13H18N2O4S	1000304-85-1	38
3	2-Propen-1-one, 3-(4-aminophenyl...	253	C16H15NO2	1000319-48-4	37
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	35
5	Carbonic acid, monoamide, N-(2,4...	253	C13H19NO4	1000339-98-7	35





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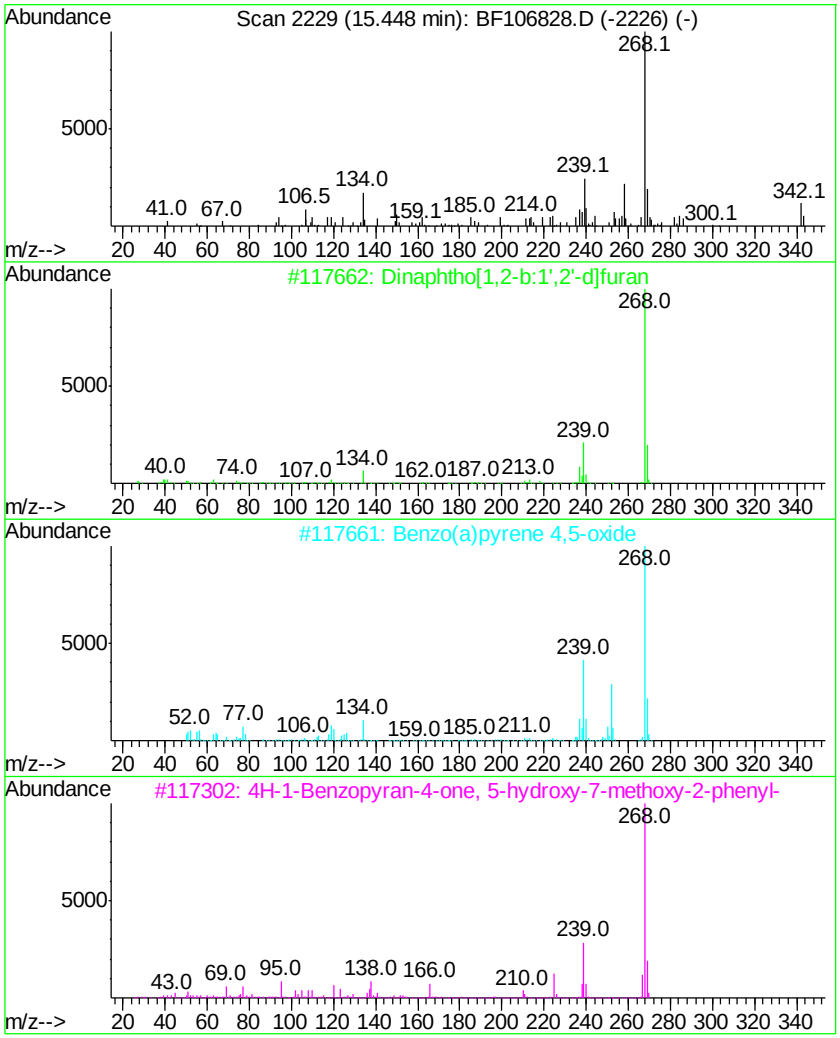
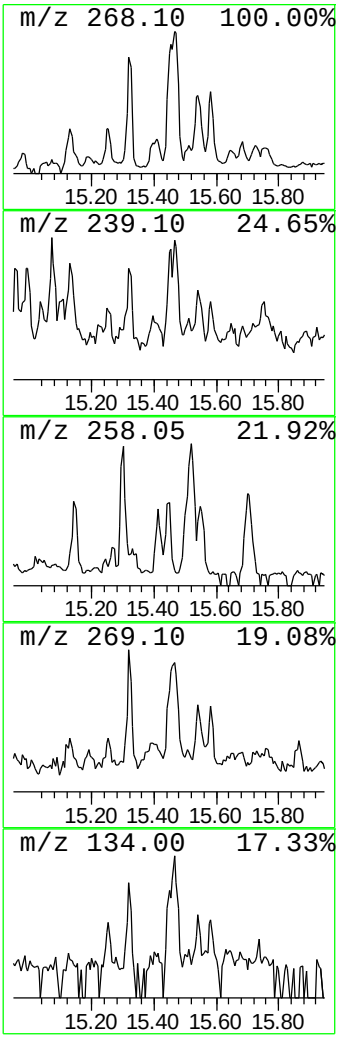
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	2.83 ng	32125	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	70
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	58
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	49





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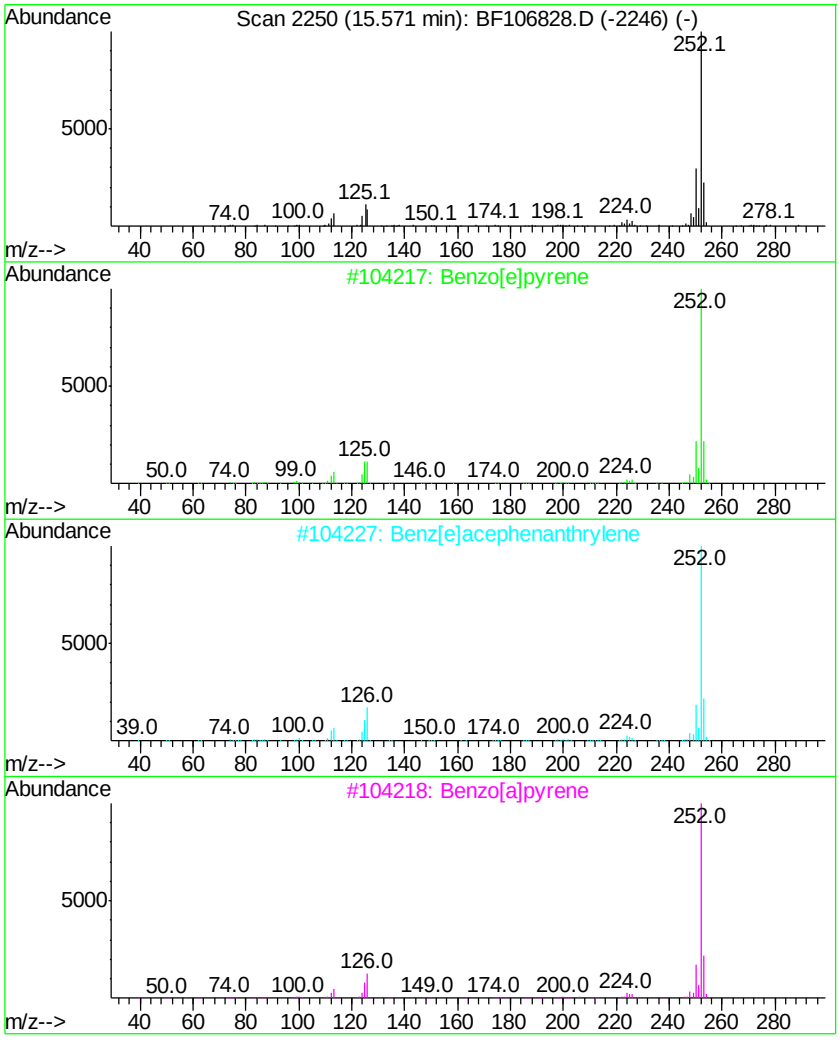
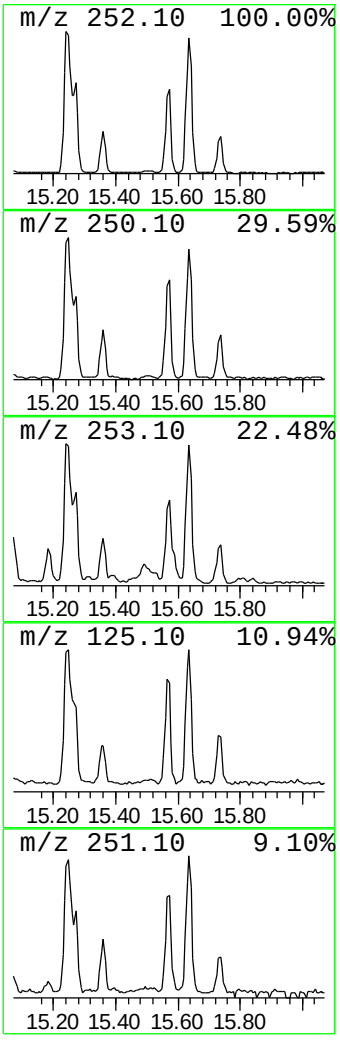
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	18.90 ng	214530	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

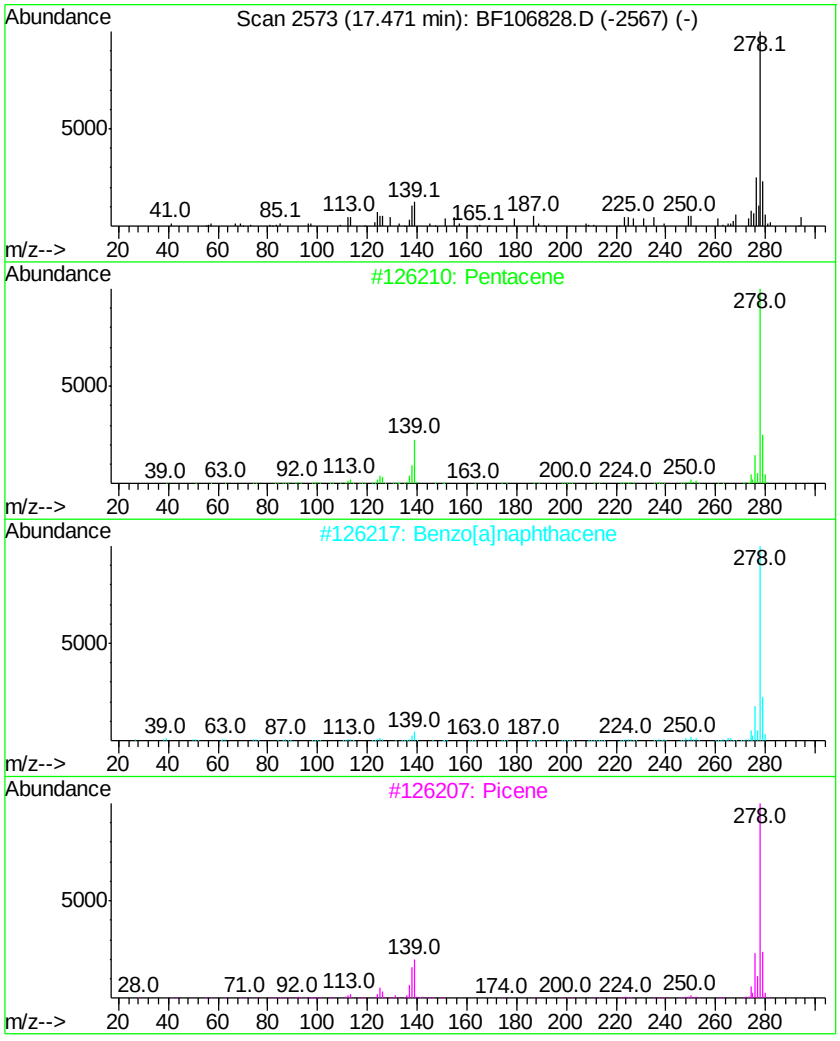
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

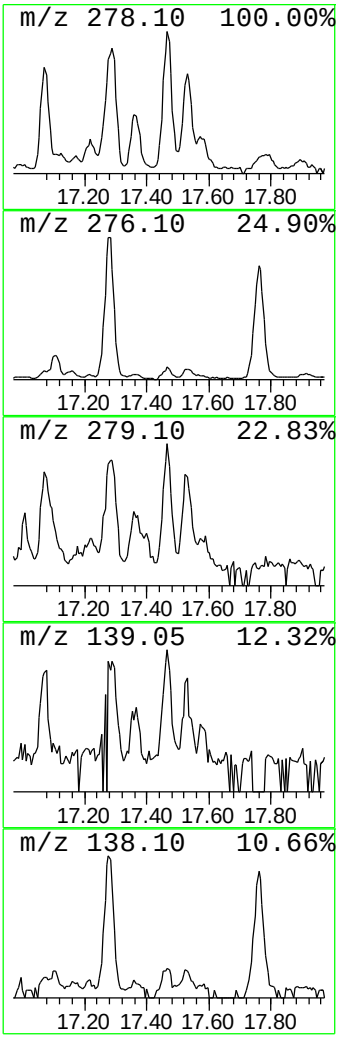
****

Peak Number 20 Pentacene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	4.33 ng	49113	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	76
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
3	Picene	278	C22H14	000213-46-7	70
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062618\
Data File : BF106828.D
Acq On : 26 Jun 2018 17:41
Operator : JU/SJ
Sample : J3684-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.20	7.1	ng	93760	1	6.96	263352	20.0
unknown6.74	6.74	64.8	ng	853188	1	6.96	263352	20.0
Pentadecane	10.88	2.5	ng	36165	4	11.49	295654	20.0
Phenanthrene, 2-m...	12.00	2.6	ng	38181	4	11.49	295654	20.0
Phenanthrene, 1-m...	12.02	3.5	ng	51260	4	11.49	295654	20.0
Anthracene, 1-met...	12.07	2.3	ng	34561	4	11.49	295654	20.0
4H-Cyclopenta[def...	12.11	6.2	ng	91369	4	11.49	295654	20.0
Phenanthrene, 2,5...	12.54	3.5	ng	52266	4	11.49	295654	20.0
unknown12.59	12.59	2.3	ng	34087	4	11.49	295654	20.0
Pyrene, 1-methyl-	13.17	2.4	ng	95296	5	14.15	812628	20.0
11H-Benzo[b]fluorene	13.27	4.9	ng	200375	5	14.15	812628	20.0
Pyrene, 2-methyl-	13.38	3.0	ng	120685	5	14.15	812628	20.0
unknown13.96	13.96	3.7	ng	151356	5	14.15	812628	20.0
Benz[a]anthracene...	14.55	3.1	ng	125081	5	14.15	812628	20.0
unknown15.08	15.08	4.8	ng	54578	6	15.70	227032	20.0
Dinaphtho[1,2-b:1...	15.45	2.8	ng	32125	6	15.70	227032	20.0
Benzo[e]pyrene	15.57	18.9	ng	214530	6	15.70	227032	20.0
Pentacene	17.47	4.3	ng	49113	6	15.70	227032	20.0