LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104193.D
Acq On : 3 Apr 2018 21:30
Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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	2.275	27	32	38	rBV	84333	109820	2.68%	0.203%
2	5.198	523	529	538	rBV	59271	85619	2.09%	0.159%
3	5.592	592	596	622	rBV	1196142	1807512	44.08%	3.348%
4	6.592	763	766	786	rBV	1335918	1992133	48.58%	3.690%
5	6.728	786	789	817	rVB	1644141	2172353	52.98%	4.024%
6	6.957	825	828	847	rBV	398953	610506	14.89%	1.131%
7	7.110	851	854	871	rVV	1304424	1385735	33.79%	2.567%
8	7.522	921	924	941	rBV	766322	1234203	30.10%	2.286%
9	8.239	1042	1046	1048	rBV	770168	734172	17.90%	1.360%
10	8.263	1048	1050	1070	rVB	419617	606994	14.80%	1.124%
11	8.951	1164	1167	1176	rBV	207824	264000	6.44%	0.489%
12	9.051	1180	1184	1195	rVB	199881	221087	5.39%	0.410%
13	9.310	1224	1228	1237	rBV	1756766	1799548	43.89%	3.334%
14	9.374	1237	1239	1243	rVV2	67441	83913	2.05%	0.155%
15	9.416	1243	1246	1257	rVV	62302	121332	2.96%	0.225%
16	9.510	1260	1262	1269	rVV	32014	46878	1.14%	0.087%
17	9.580	1269	1274	1282	rVV	77371	130848	3.19%	0.242%
18	9.651	1282	1286	1289	rVV	151183	175037	4.27%	0.324%
19	9.680	1289	1291	1292	rVV	95721	86573	2.11%	0.160%
20	9.704	1292	1295	1302	rVV	171937	217396	5.30%	0.403%
21	9.769	1302	1306	1314	rVV	64018	118702	2.89%	0.220%
22	9.857	1317	1321	1326	rVV2	47714	64519	1.57%	0.120%
23	9.904	1326	1329	1333	rVB	87545	71412	1.74%	0.132%
24	9.974	1338	1341	1342	rBV	45497	45104	1.10%	0.084%
25	9.998	1342	1345	1348	rVV	1007004	933187	22.76%	1.729%
26	10.027	1348	1350	1356	rVB	716013	644343	15.71%	1.194%
27	10.151	1366	1371	1375	rVB3	43956	60869	1.48%	0.113%
28	10.204	1375	1380	1384	rBV	261846	361000	8.80%	0.669%
29	10.310	1394	1398	1401	rBV2	46735	50561	1.23%	0.094%
30	10.380	1407	1410	1412	rVV	65517	62475	1.52%	0.116%
31	10.404	1412	1414	1421	rVB	131921	129105	3.15%	0.239%
32	10.551	1434	1439	1444	rBV	551251	649873	15.85%	1.204%
33	10.616	1448	1450	1451	rVV	95026	93675	2.28%	0.174%
34	10.633	1451	1453	1456	rVV	111070	123818	3.02%	0.229%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.680	1459	1461	1463	rVV	57272	65471	1.60%	0.121%
36	10.704	1463	1465	1470	rVB	140926	133768	3.26%	0.248%
37	10.792	1476	1480	1486	rBV2	1274414	1513716	36.92%	2.804%
38	10.880	1492	1495	1501	rBV3	92998	128154	3.13%	0.237%
39	11.098	1525	1532	1535	rBV2	139434	232631	5.67%	0.431%
40	11.121	1535	1536	1539	rVB2	45015	42023	1.02%	0.078%
41	11.221	1548	1553	1555	rBV3	71883	96540	2.35%	0.179%
42	11.245	1555	1557	1563	rVB2	67206	65646	1.60%	0.122%
43	11.304	1564	1567	1569	rBV2	73341	67928	1.66%	0.126%
44	11.333	1569	1572	1573	rBV2	63130	70075	1.71%	0.130%
45	11.392	1579	1582	1589	rVB	188334	222509	5.43%	0.412%
46	11.498	1596	1600	1601	rBV	825397	810092	19.76%	1.501%
47	11.527	1601	1605	1610	rVV	3186479	3612609	88.10%	6.692%
48	11.574	1610	1613	1618	rVB	961345	956441	23.33%	1.772%
49	11.733	1634	1640	1646	rBV2	370236	624018	15.22%	1.156%
50	11.780	1646	1648	1651	rVV	76302	86623	2.11%	0.160%
51	11.827	1654	1656	1664	rVV3	69642	129633	3.16%	0.240%
52	11.904	1667	1669	1675	rVB2	35635	57046	1.39%	0.106%
53	11.998	1681	1685	1687	rBV	439734	461097	11.25%	0.854%
54	12.027	1687	1690	1695	rVB2	550186	556354	13.57%	1.031%
55	12.074	1695	1698	1701	rBV	214468	192659	4.70%	0.357%
56	12.110	1701	1704	1707	rBV2	638338	790468	19.28%	1.464%
57	12.292	1732	1735	1738	rBV	253036	271031	6.61%	0.502%
58	12.327	1738	1741	1745	rVB2	155953	169495	4.13%	0.314%
59	12.439	1757	1760	1763	rBV2	87061	86793	2.12%	0.161%
60	12.468	1763	1765	1768	rBV	90315	82031	2.00%	0.152%
61	12.498	1768	1770	1775	rVB2	88276	97741	2.38%	0.181%
62	12.545	1775	1778	1782	rBV	241450	311873	7.61%	0.578%
63	12.645	1791	1795	1798	rBV2	115940	154523	3.77%	0.286%
64	12.727	1803	1809	1816	rBV	3025929	4084582	99.61%	7.567%
65	12.868	1830	1833	1836	rBV2	134130	147796	3.60%	0.274%
66	12.957	1841	1848	1852	rBV2	2732601	4100445	100.00%	7.596%
67	12.992	1852	1854	1859	rVB	240983	277112	6.76%	0.513%
68	13.080	1864	1869	1872	rBV2	1658414	1727357	42.13%	3.200%
69	13.168	1879	1884	1888	rVB3	215631	372373	9.08%	0.690%
70	13.274	1895	1902	1910	rBV	539671	940921	22.95%	1.743%
71	13.345	1910	1914	1916	rBV	392032	413195	10.08%	0.765%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

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
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72	13.380	1917	1920	1922	rVV3	213390	213663	5.21%	0.396%
73	13.474	1933	1936	1938	rBV	190048	175064	4.27%	0.324%
74	13.504	1939	1941	1950	rVB2	180305	275004	6.71%	0.509%
75	13.792	1987	1990	1993	rVB	163339	163013	3.98%	0.302%
76	13.898	2006	2008	2010	rBV	210058	213168	5.20%	0.395%
77	13.927	2010	2013	2015	rVV	258010	299997	7.32%	0.556%
78	13.957	2015	2018	2023	rVV3	322927	533867	13.02%	0.989%
79	14.004	2023	2026	2032	rVB	190841	261651	6.38%	0.485%
80	14.151	2046	2051	2054	rBV2	1485677	2380746	58.06%	4.410%
81	14.186	2054	2057	2064	rVB	1289994	1550071	37.80%	2.872%
82	14.262	2067	2070	2075	rBV	271499	272131	6.64%	0.504%
83	14.545	2116	2118	2122	rVB	211268	181572	4.43%	0.336%
84	15.245	2232	2237	2240	rBV	913441	1591257	38.81%	2.948%
85	15.356	2253	2256	2260	rBV	193370	251223	6.13%	0.465%
86	15.568	2288	2292	2299	rBV	490050	749149	18.27%	1.388%
87	15.645	2300	2305	2312	rBV	710914	1062028	25.90%	1.967%
88	15.703	2312	2315	2318	rBV	267022	345998	8.44%	0.641%
89	17.303	2580	2587	2598	rBV	401342	945494	23.06%	1.752%
90	17.492	2615	2619	2625	rBV3	80722	151905	3.70%	0.281%
91	17.792	2663	2670	2688	rVB	307950	916809	22.36%	1.698%

Sum of corrected areas: 53980881

LSC Report - Integrated Chromatogram

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Operator : JU/SJ
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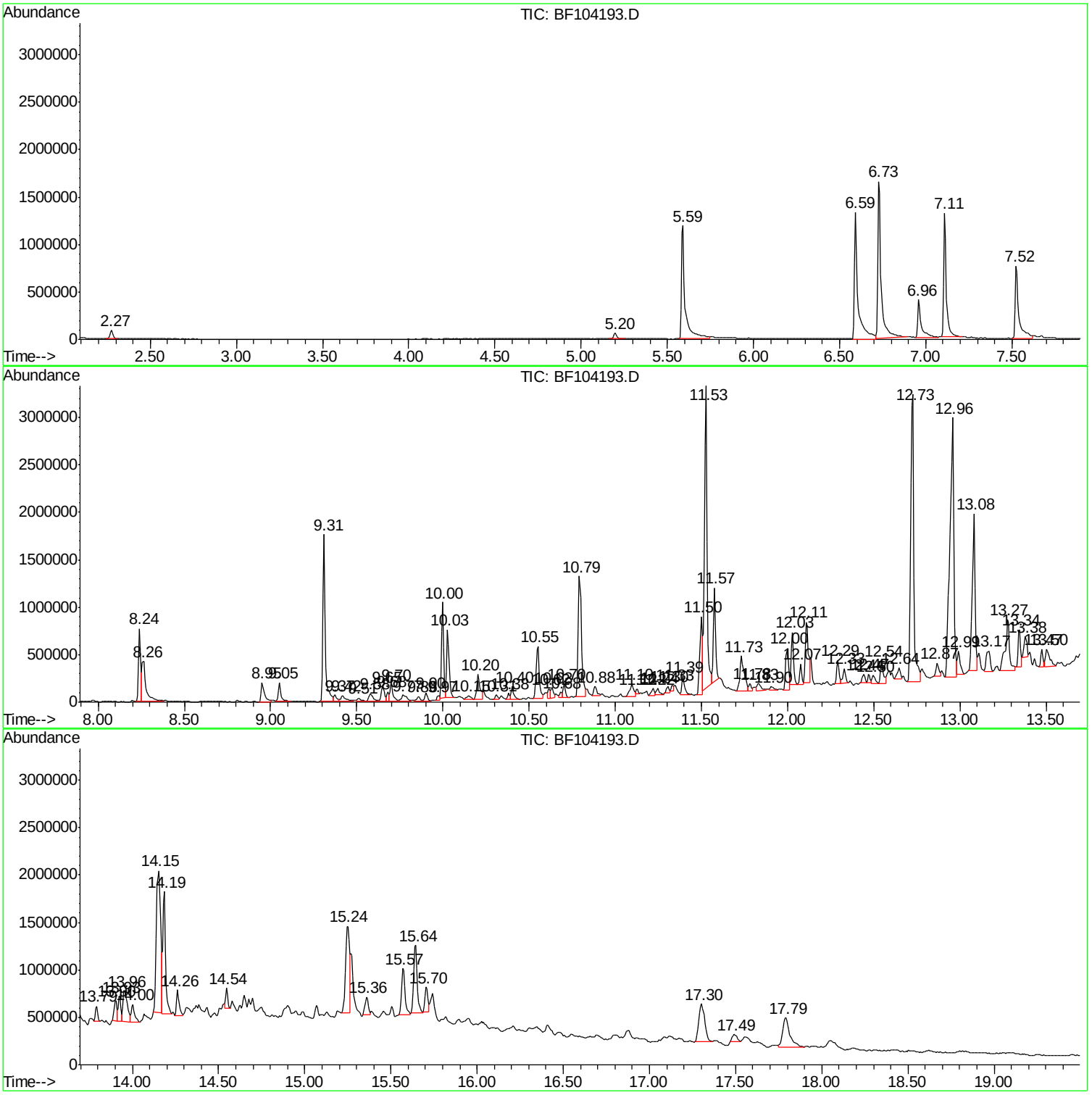
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

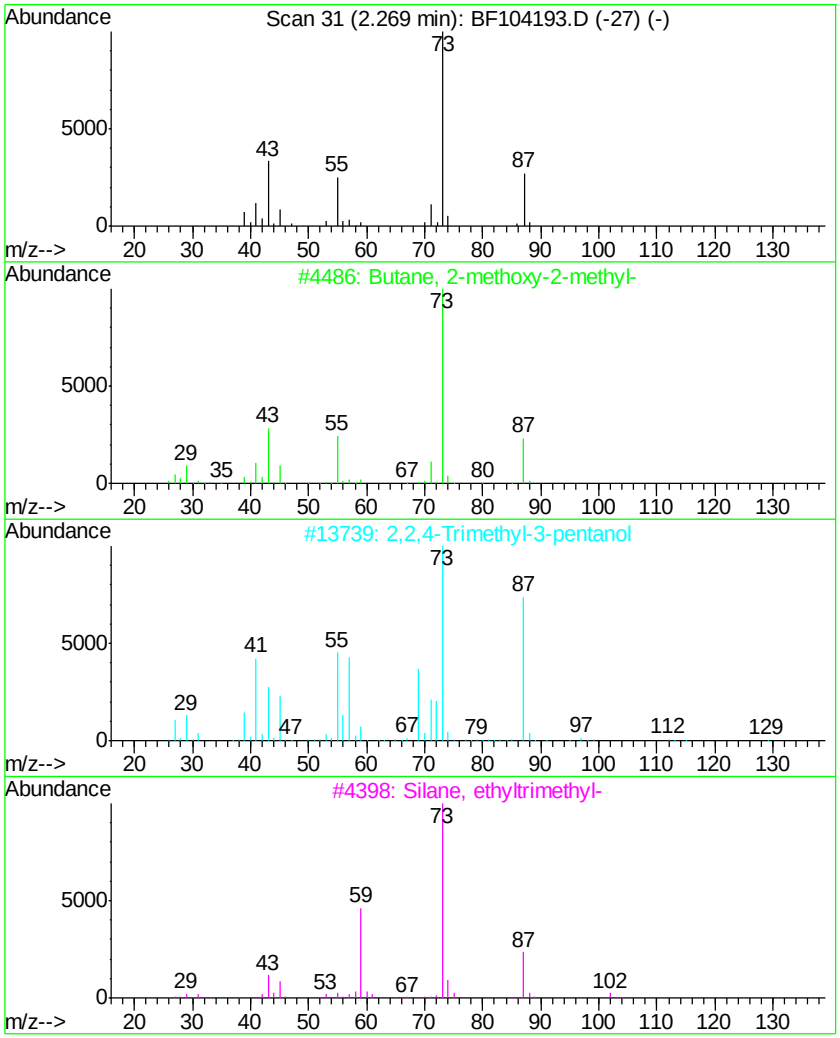
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

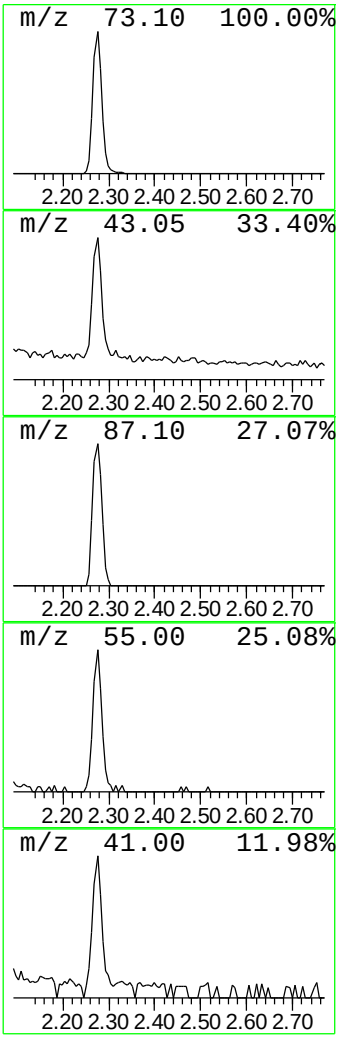
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	3.60 ng	109820	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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Data File : BF104193.D
Acq On : 3 Apr 2018 21:30
Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

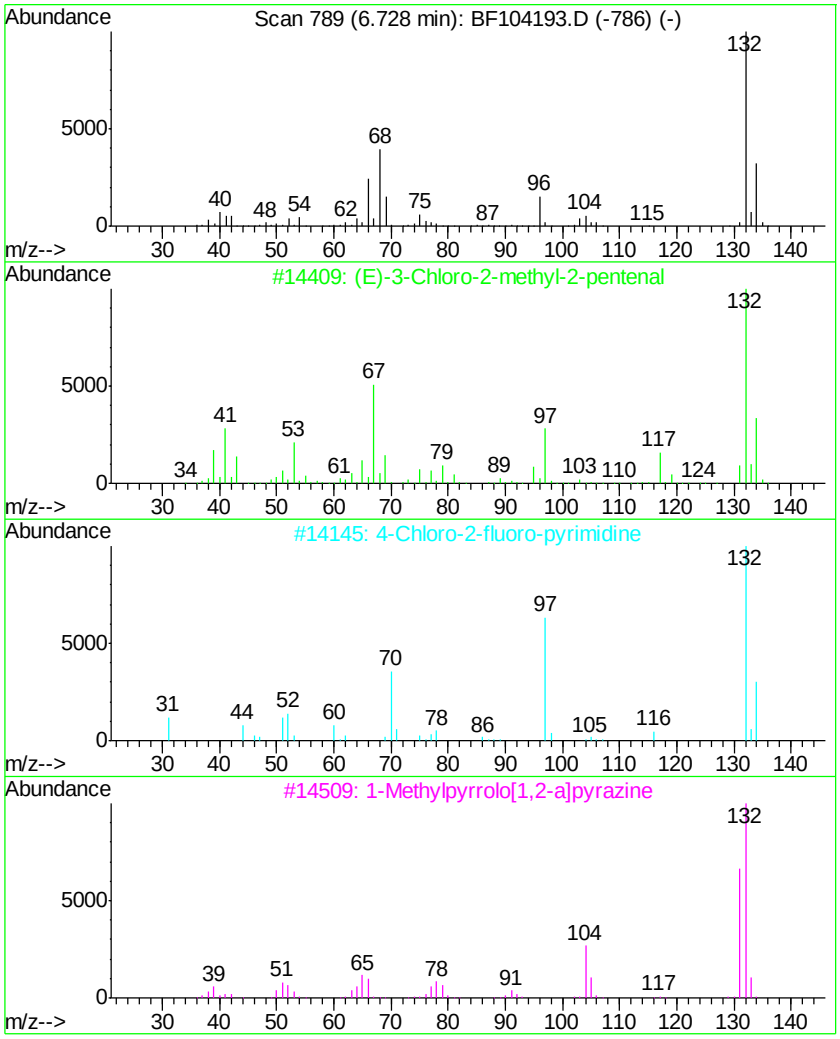
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

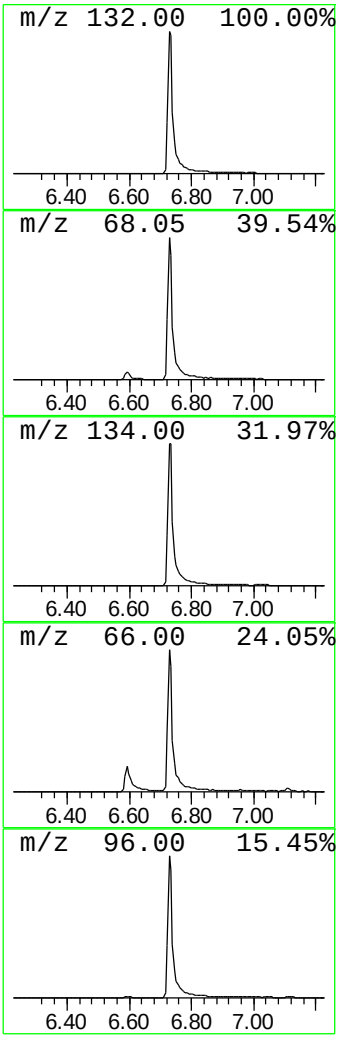
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	71.17 ng	2172350	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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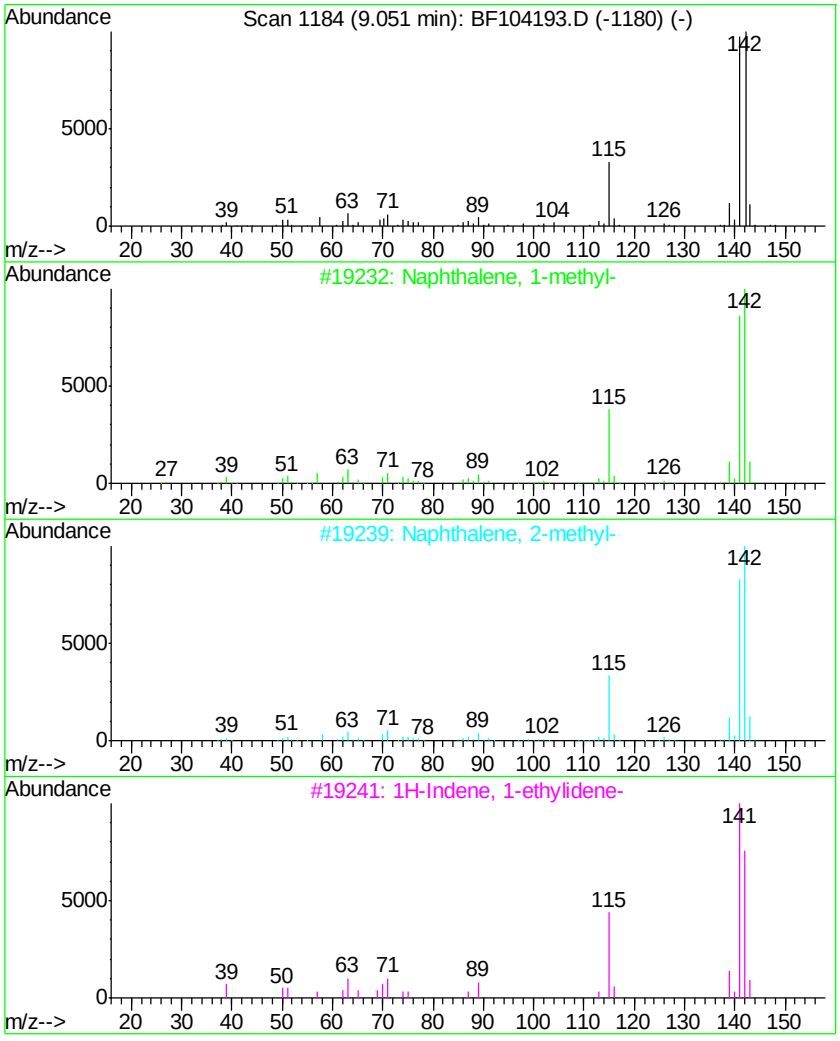
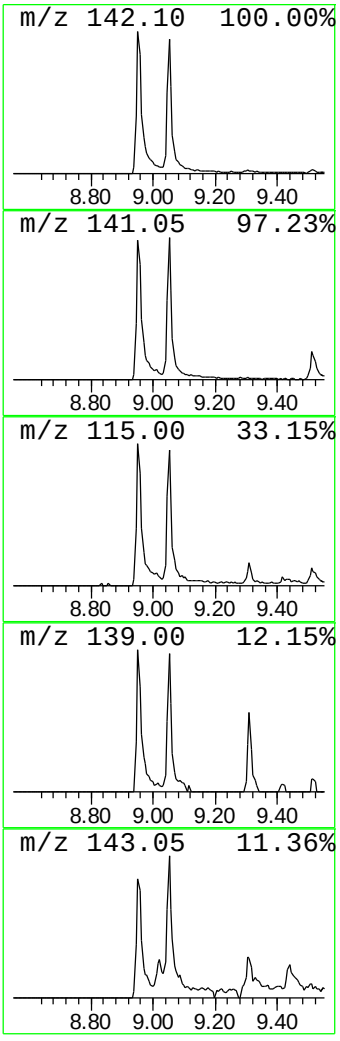
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	6.02 ng	221087	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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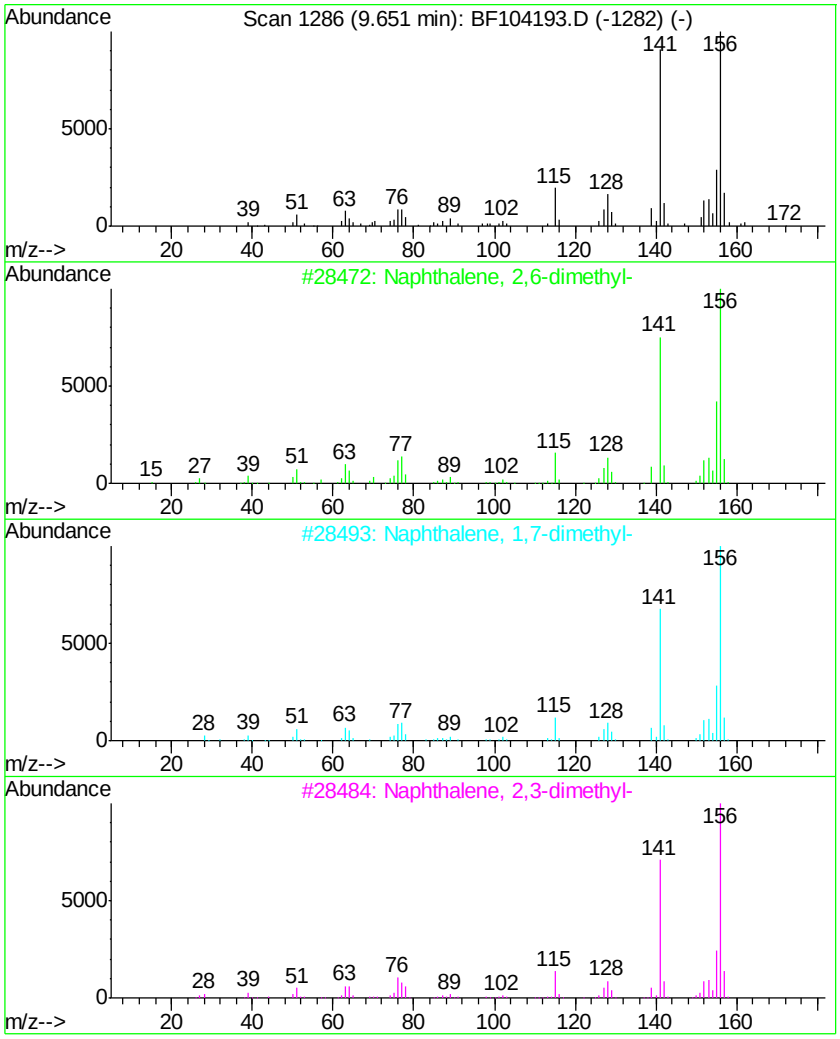
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

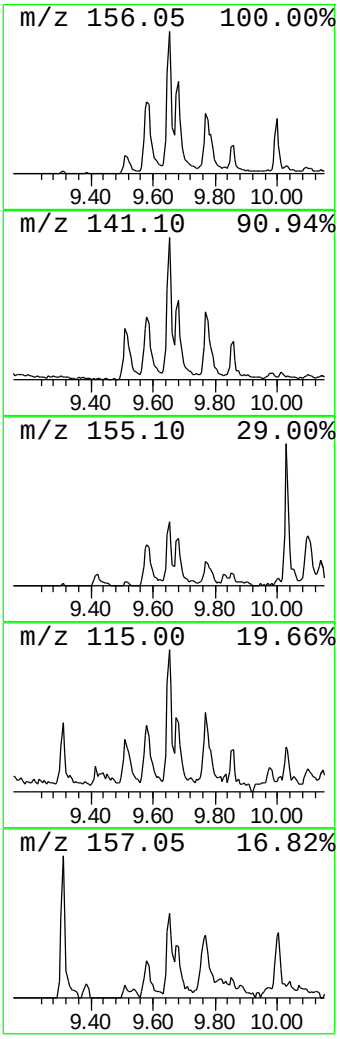
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	3.75 ng	175037	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Data File : BF104193.D
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Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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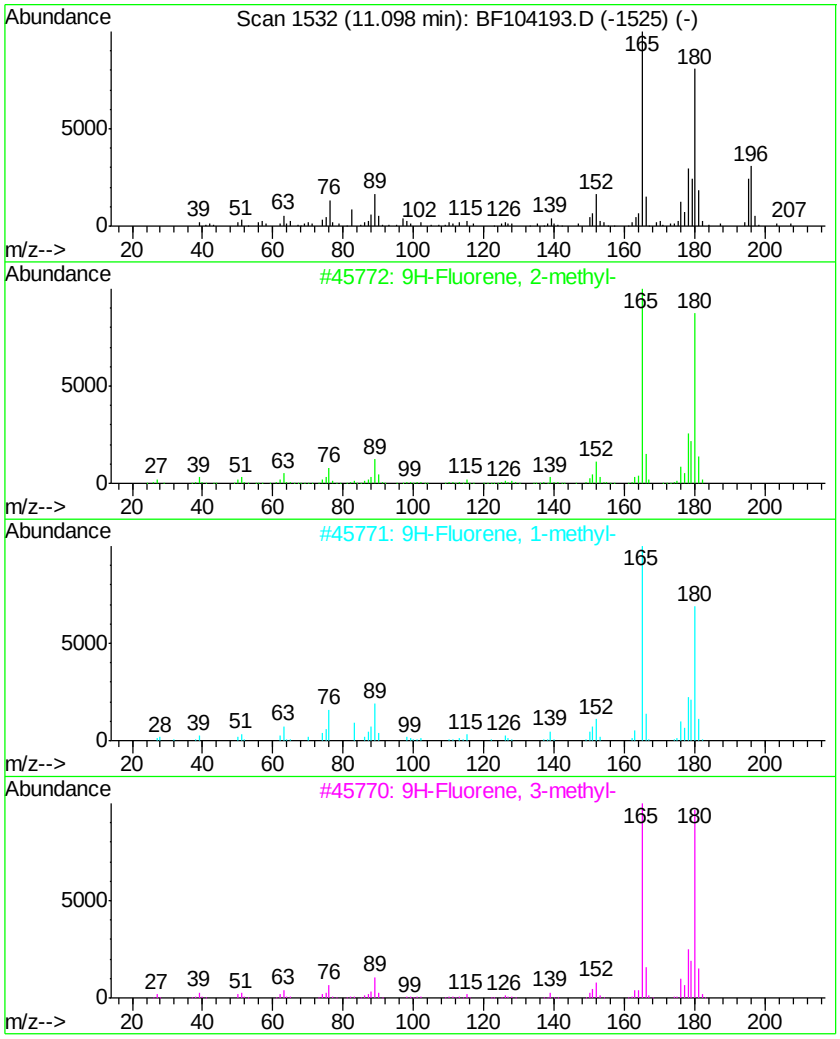
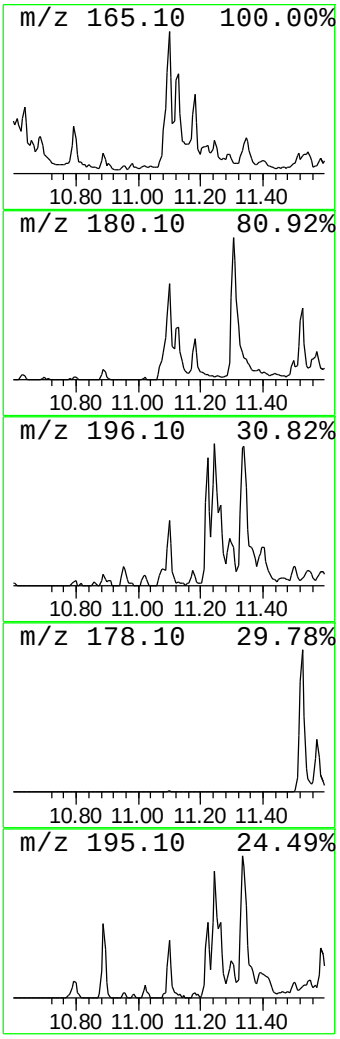
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.74 ng	232631	Phenanthrene-d10	11.50

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	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86





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Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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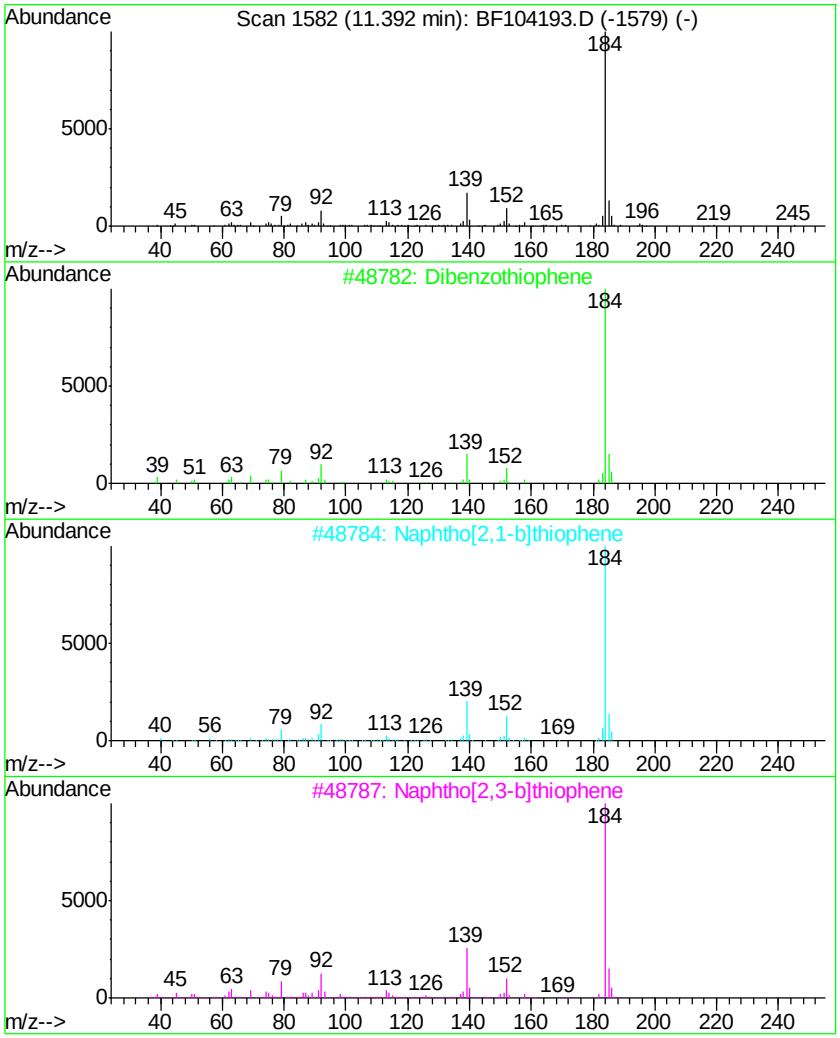
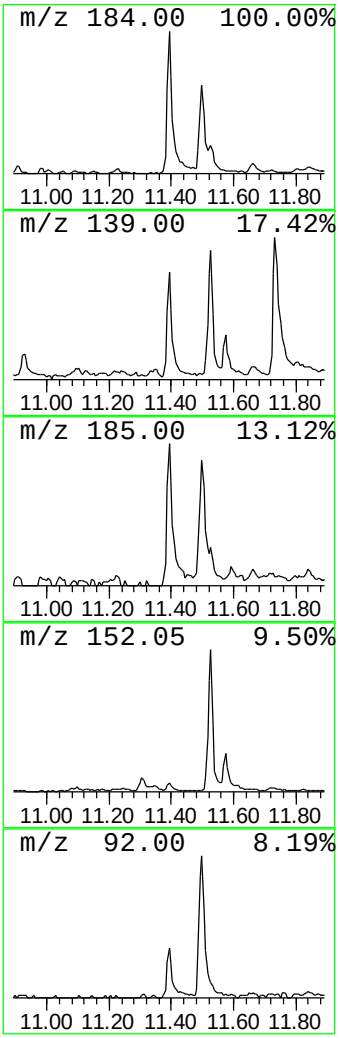
Peak Number 7 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	5.49 ng	222509	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 3 Apr 2018 21:30
Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

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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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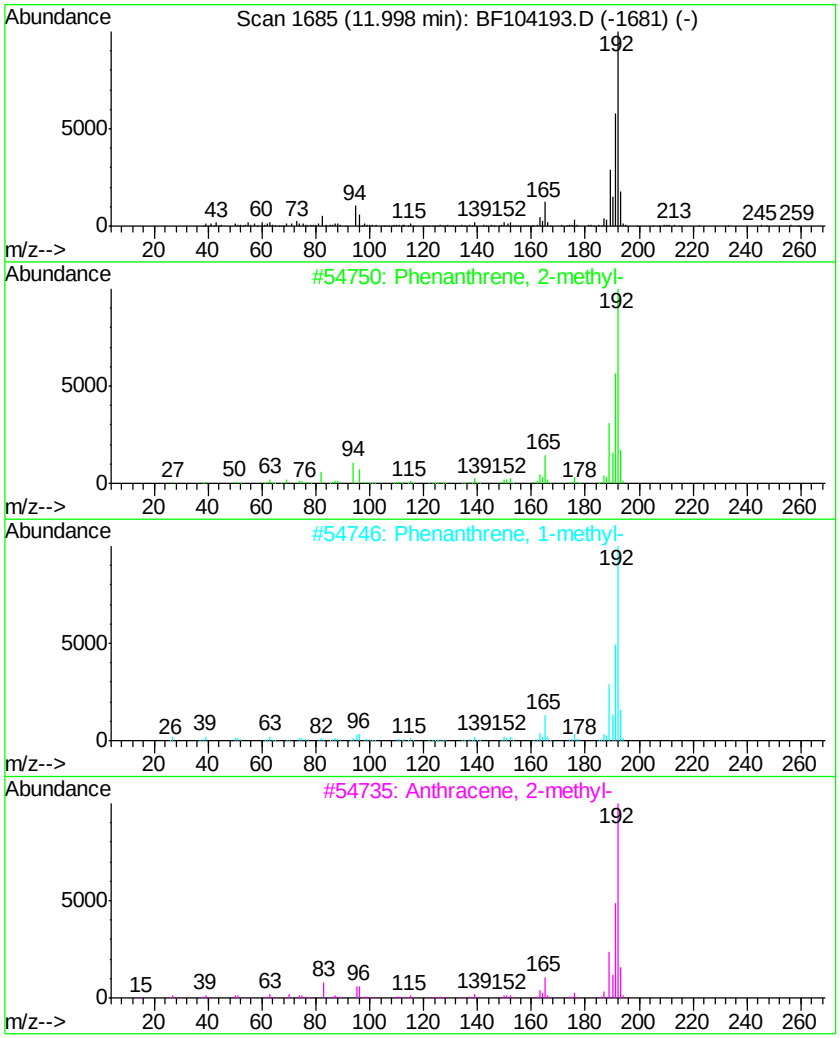
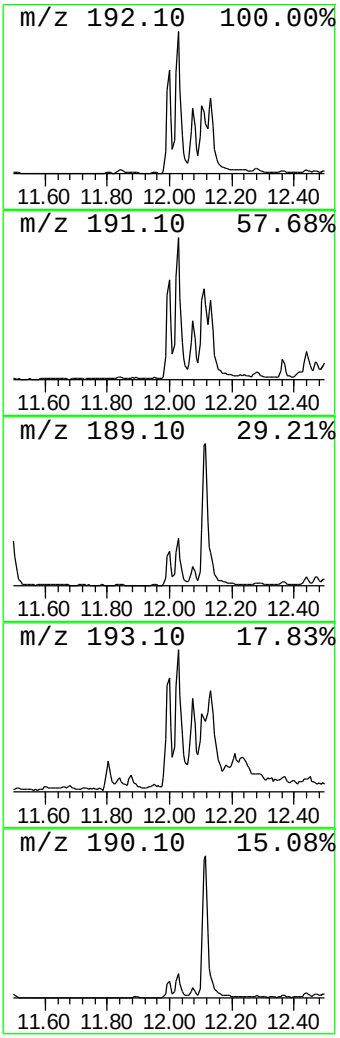
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.38 ng	461097	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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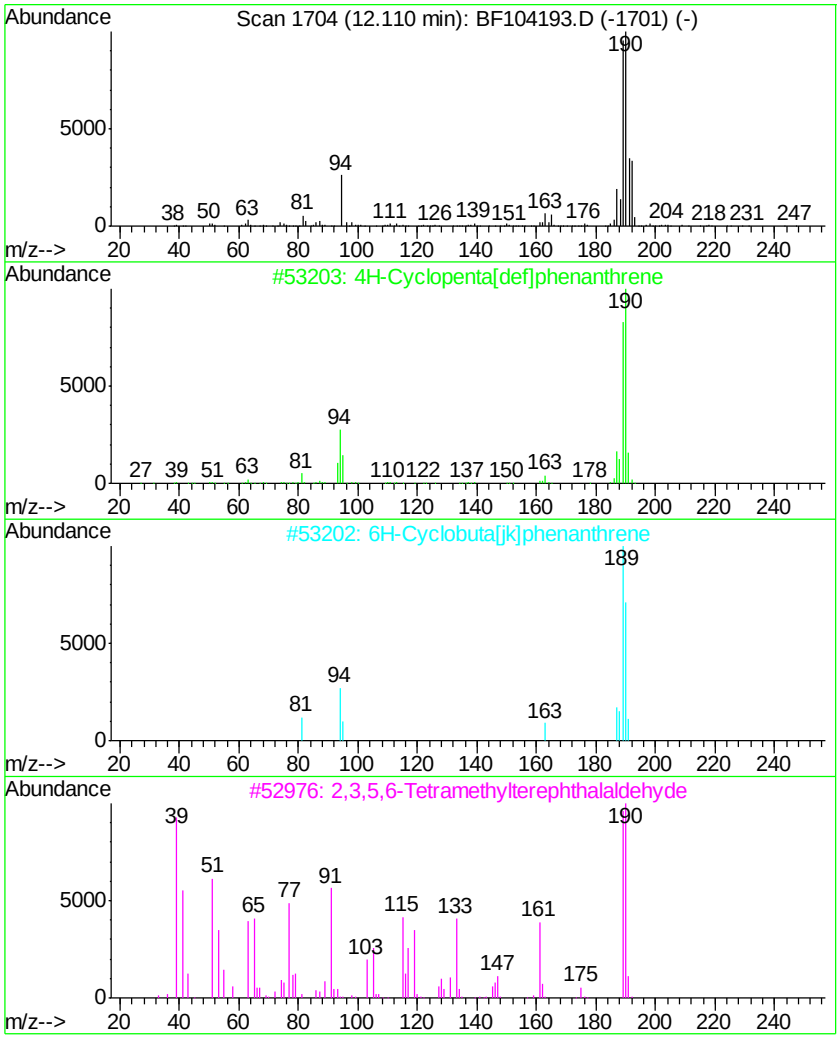
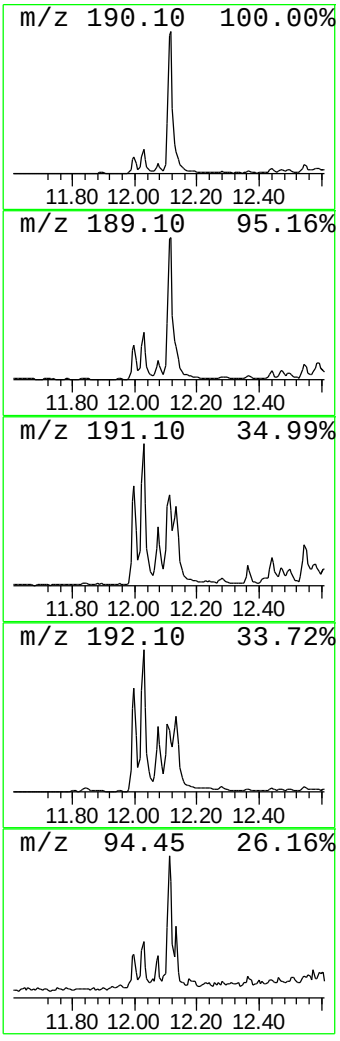
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	19.52 ng	790468	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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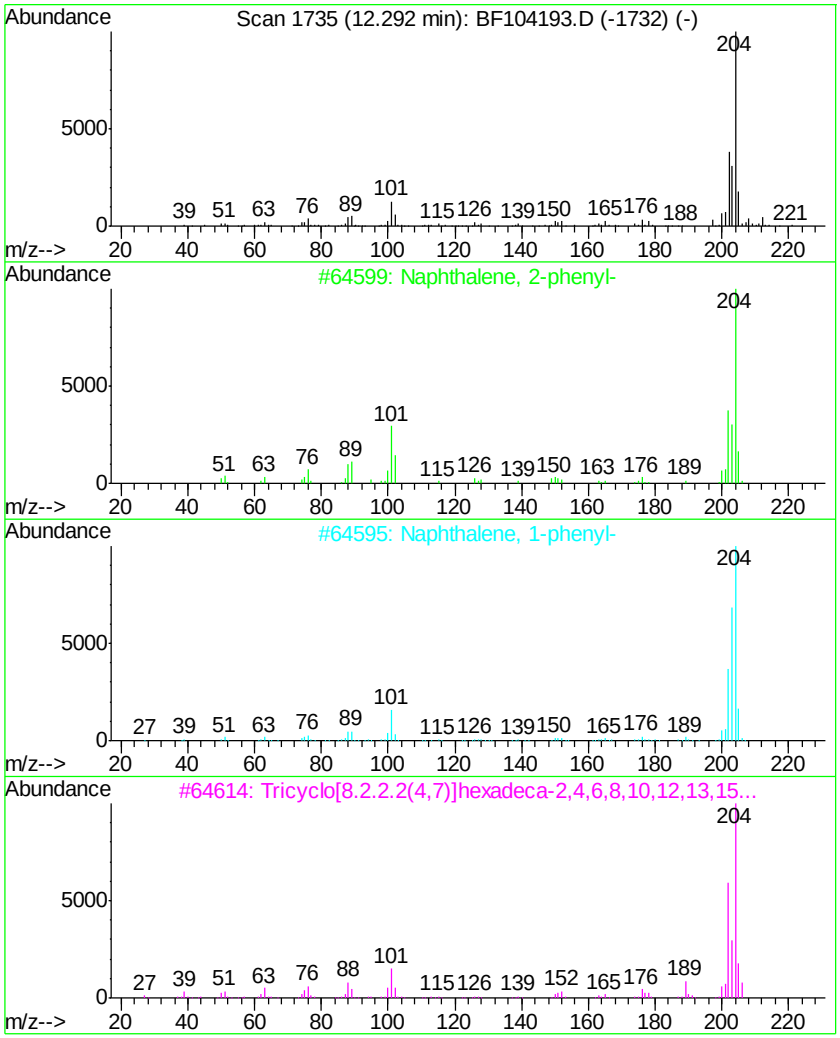
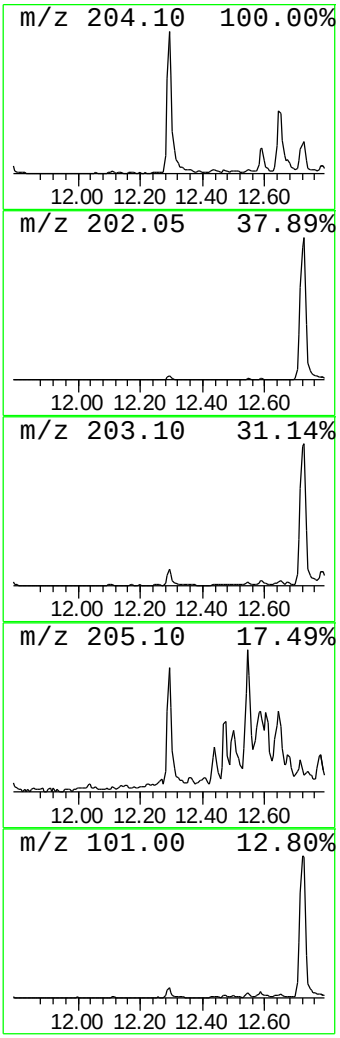
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	6.69 ng	271031	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52





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Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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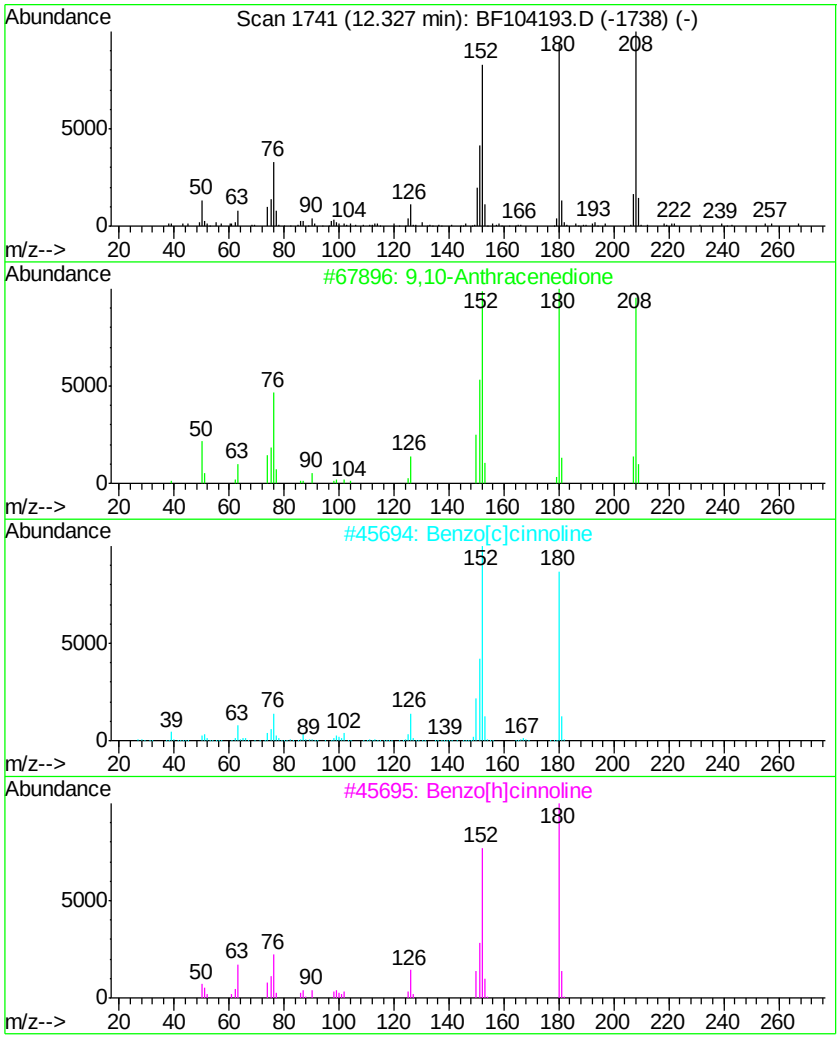
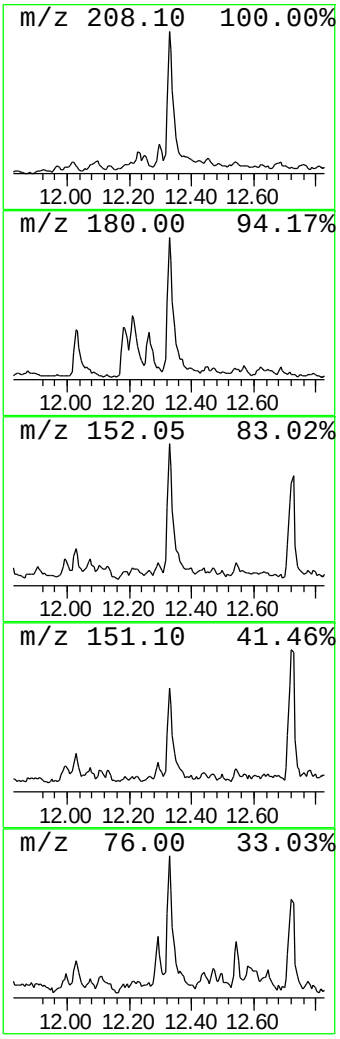
Peak Number 13 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.18 ng	169495	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





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Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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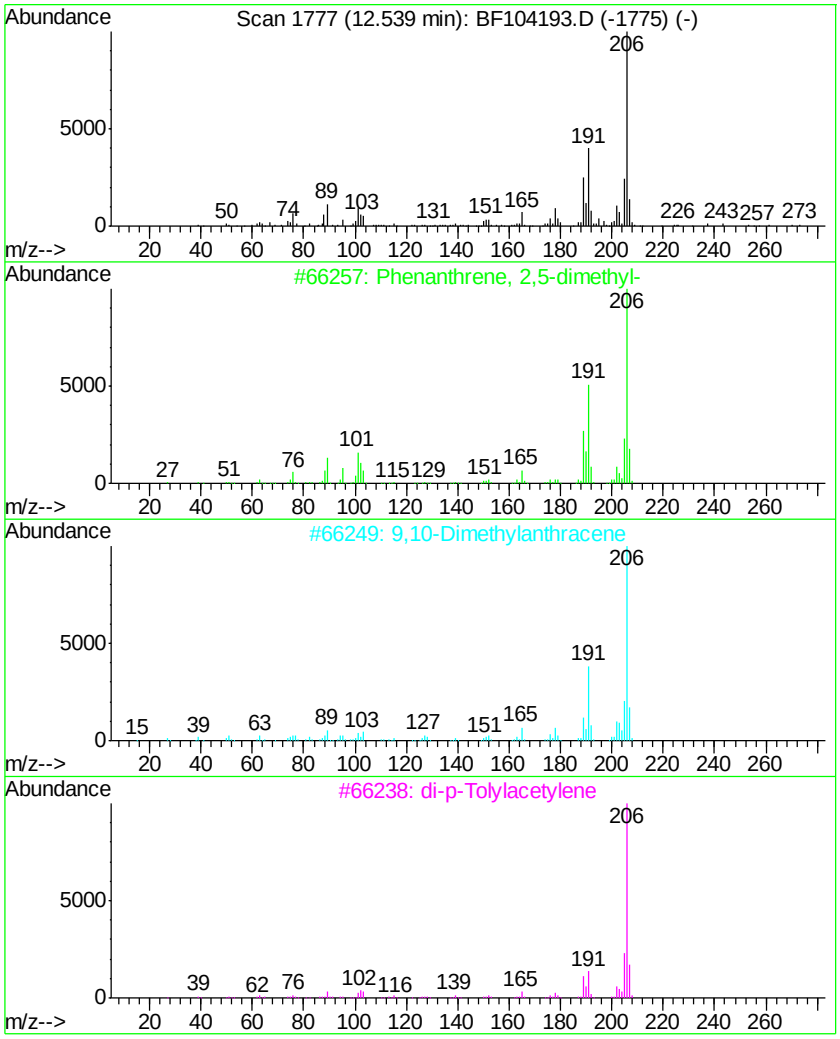
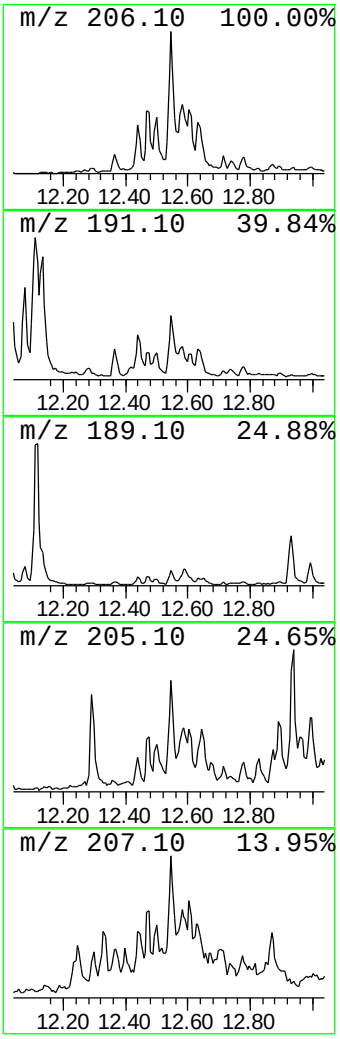
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	7.70 ng	311873	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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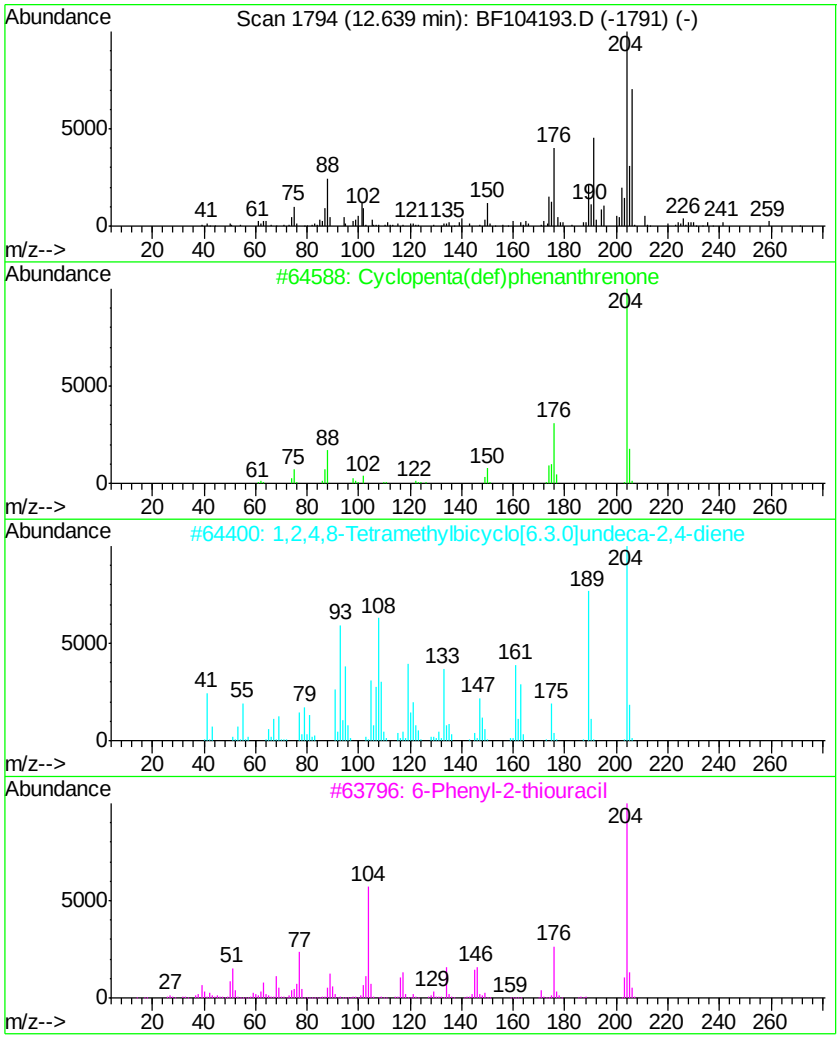
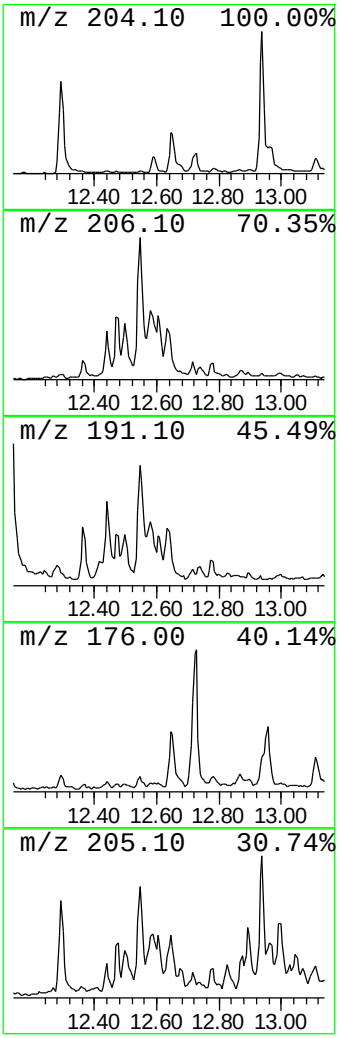
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.81 ng	154523	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	47





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Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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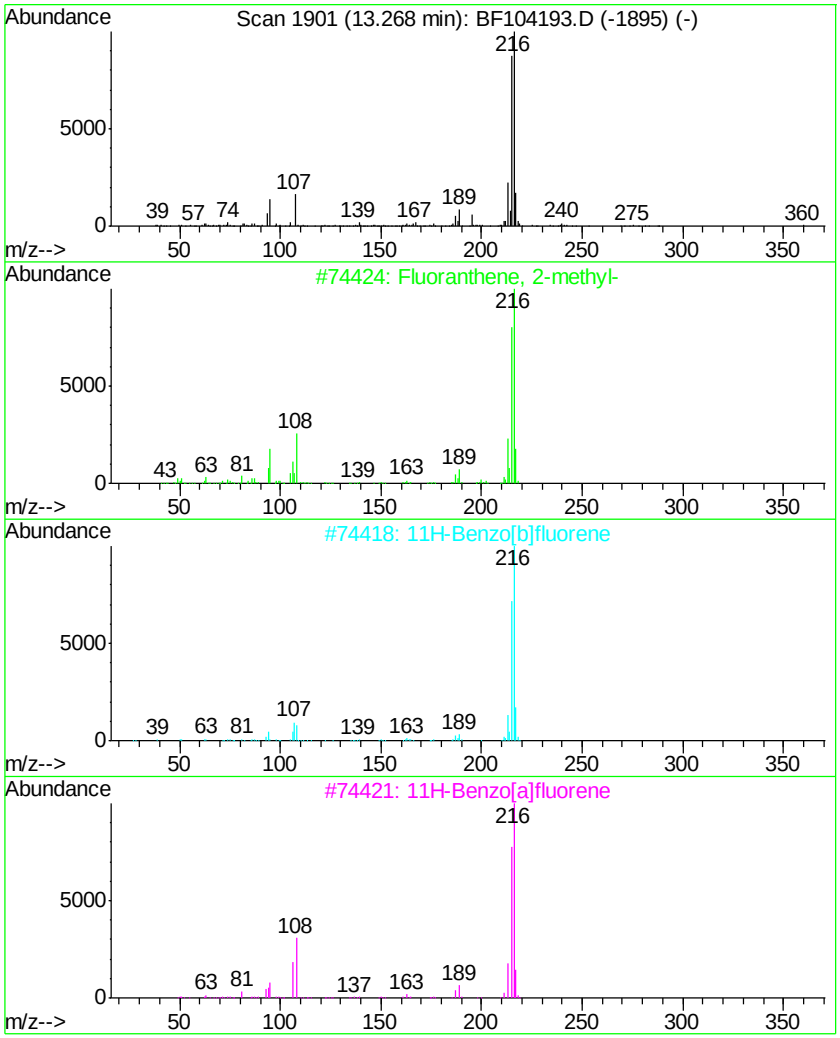
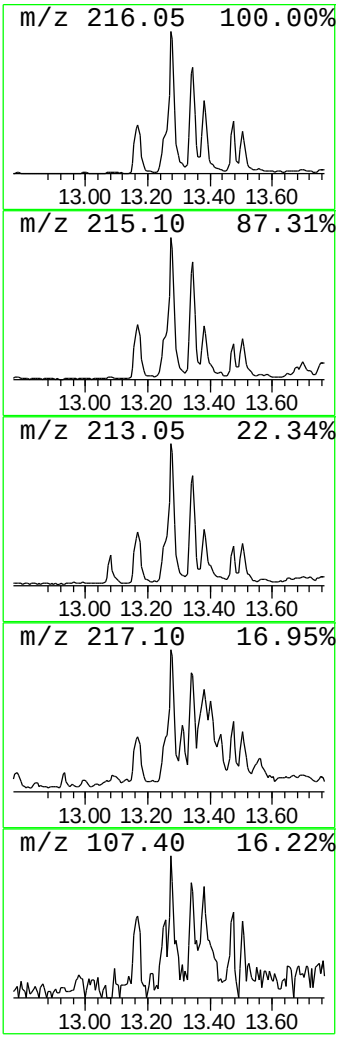
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	7.90 ng	940921	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 3 Apr 2018 21:30
Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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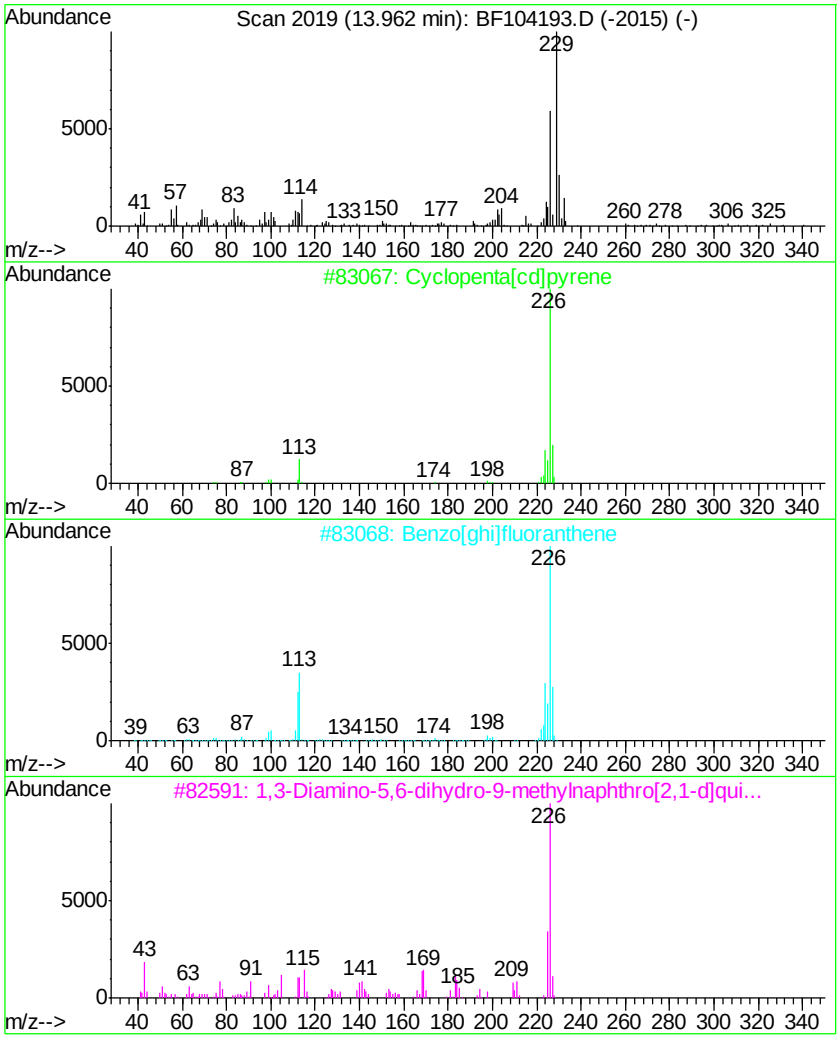
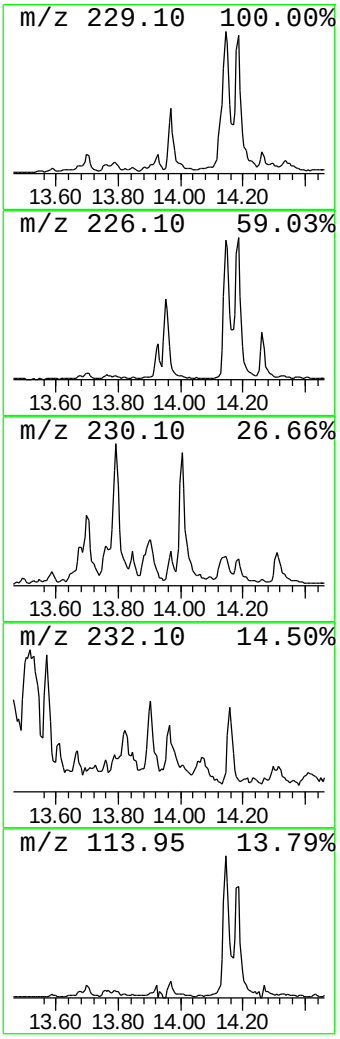
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.48 ng	533867	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	62
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	50
4	Phenanthrene-10-ethanamine, 3-br...	743	C42H51BrNO4P	042585-80-8	43
5	Phosphoric acid,di-(4-nitropheny...	833	C42H49BrN3O8P	049840-37-1	43





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Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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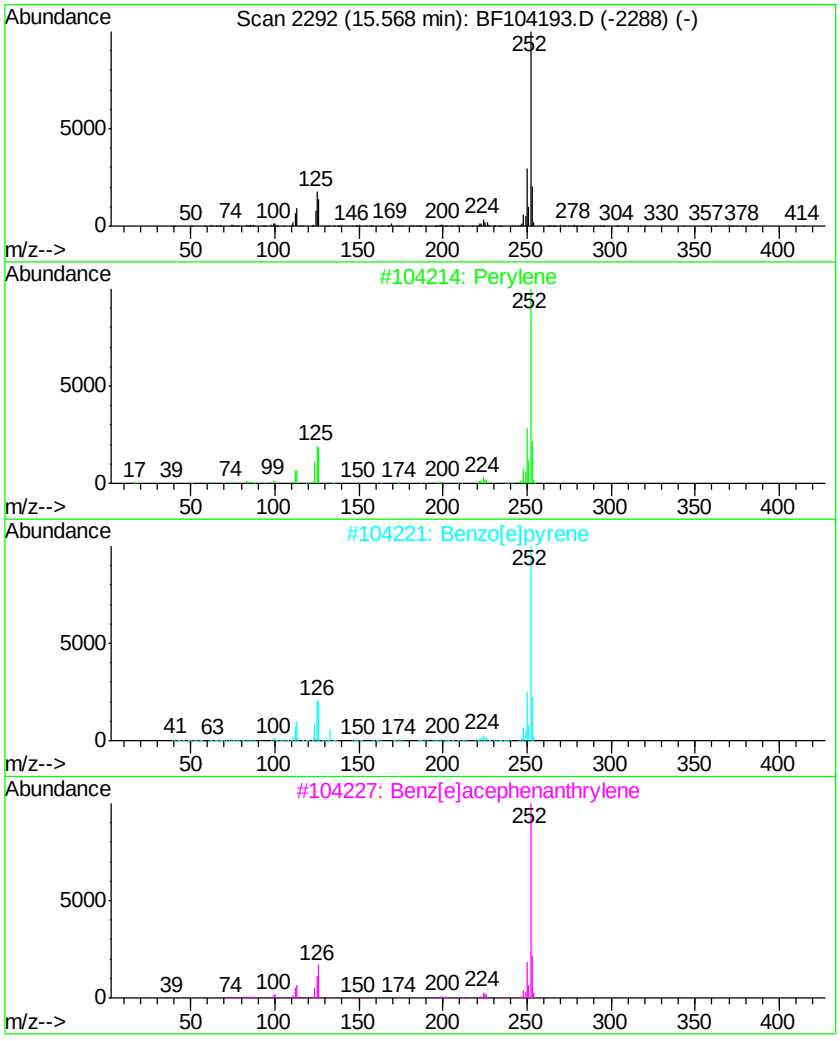
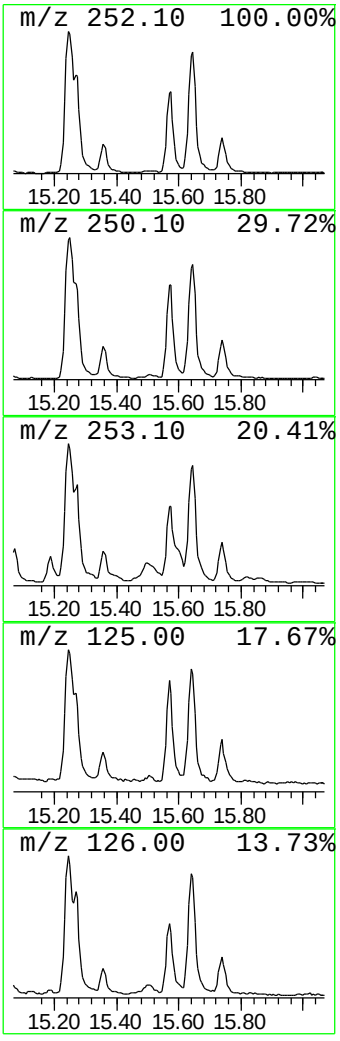
Peak Number 19 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	43.30 ng	749149	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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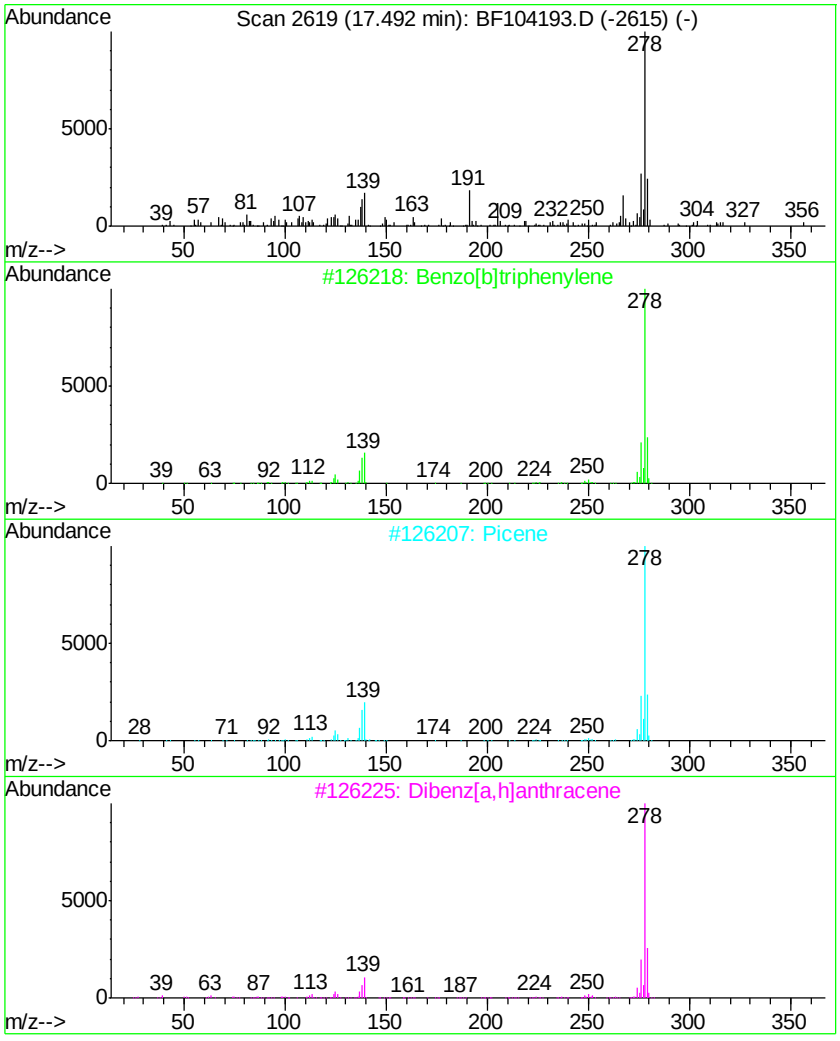
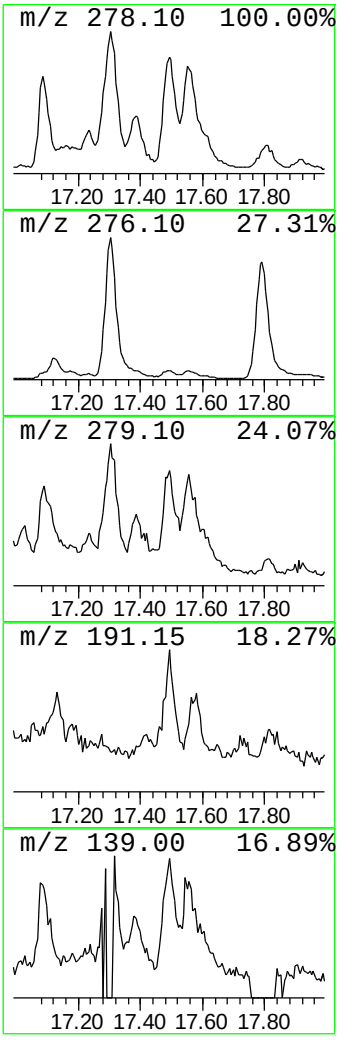
Peak Number 20 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	8.78 ng	151905	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4	Benzo[b]chrysene	278	C22H14	000214-17-5	92
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104193.D
Acq On : 3 Apr 2018 21:30
Operator : JU/SJ
Sample : J2182-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-8-WW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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
Butane, 2-methoxy...	2.27	3.6	ng	109820	1	6.96	610506	20.0
unknown6.73	6.73	71.2	ng	2172350	1	6.96	610506	20.0
Naphthalene, 1-me...	9.05	6.0	ng	221087	2	8.24	734172	20.0
Naphthalene, 2,6-...	9.65	3.8	ng	175037	3	10.00	933187	20.0
9H-Fluorene, 2-me...	11.10	5.7	ng	232631	4	11.50	810092	20.0
Dibenzothiophene	11.39	5.5	ng	222509	4	11.50	810092	20.0
Phenanthrene, 2-m...	12.00	11.4	ng	461097	4	11.50	810092	20.0
4H-Cyclopenta[def...	12.11	19.5	ng	790468	4	11.50	810092	20.0
Naphthalene, 2-ph...	12.29	6.7	ng	271031	4	11.50	810092	20.0
9,10-Anthracenedione	12.33	4.2	ng	169495	4	11.50	810092	20.0
Phenanthrene, 2,5...	12.54	7.7	ng	311873	4	11.50	810092	20.0
Cyclopenta(def)ph...	12.64	3.8	ng	154523	4	11.50	810092	20.0
Fluoranthene, 2-m...	13.27	7.9	ng	940921	5	14.16	2380750	20.0
Cyclopenta[cd]pyrene	13.96	4.5	ng	533867	5	14.16	2380750	20.0
Perylene	15.57	43.3	ng	749149	6	15.71	345998	20.0
Benzo[b]triphenylene	17.49	8.8	ng	151905	6	15.71	345998	20.0