LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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	2.263	26	30	48	rVB	86741	133741	2.26%	0.194%
2	5.198	525	529	539	rVB	56955	80087	1.35%	0.116%
3	5.587	592	595	621	rBV	1287646	1927061	32.53%	2.792%
4	6.592	763	766	786	rBV	1415455	2157824	36.42%	3.126%
5	6.734	786	790	824	rVB	1729069	2381406	40.19%	3.450%
6	6.957	825	828	844	rBV	382912	547929	9.25%	0.794%
7	7.110	851	854	869	rBV	1493535	1565880	26.43%	2.268%
8	7.522	921	924	947	rBV	813897	1343646	22.68%	1.947%
9	8.239	1042	1046	1048	rBV	750952	714561	12.06%	1.035%
10	8.263	1048	1050	1072	rVB	519496	701826	11.85%	1.017%
11	8.951	1164	1167	1180	rBV	325373	405290	6.84%	0.587%
12	9.051	1180	1184	1196	rVB	269383	290097	4.90%	0.420%
13	9.310	1224	1228	1237	rBV	2349633	2378447	40.15%	3.446%
14	9.375	1237	1239	1243	rVV	84831	105784	1.79%	0.153%
15	9.416	1243	1246	1256	rVV	89755	154968	2.62%	0.225%
16	9.510	1260	1262	1269	rVV	45473	69651	1.18%	0.101%
17	9.581	1269	1274	1282	rVV	110787	193910	3.27%	0.281%
18	9.651	1282	1286	1289	rVV	192508	216668	3.66%	0.314%
19	9.681	1289	1291	1292	rVV	128298	111815	1.89%	0.162%
20	9.704	1292	1295	1301	rVV	213520	265392	4.48%	0.384%
21	9.769	1301	1306	1314	rVV	88470	141230	2.38%	0.205%
22	9.857	1318	1321	1326	rVV2	78882	95440	1.61%	0.138%
23	9.904	1326	1329	1333	rVB	112994	89102	1.50%	0.129%
24	9.998	1342	1345	1348	rBV	971161	864158	14.59%	1.252%
25	10.028	1348	1350	1357	rVB	893757	836016	14.11%	1.211%
26	10.151	1366	1371	1375	rVB3	72784	96861	1.63%	0.140%
27	10.204	1375	1380	1384	rBV	407146	527169	8.90%	0.764%
28	10.310	1393	1398	1401	rBV2	51663	73970	1.25%	0.107%
29	10.404	1408	1414	1421	rBV	167020	184836	3.12%	0.268%
30	10.551	1434	1439	1445	rBV	1194550	1267218	21.39%	1.836%
31	10.628	1448	1452	1456	rVV4	163995	315401	5.32%	0.457%
32	10.680	1459	1461	1463	rVV2	74393	84790	1.43%	0.123%
33	10.704	1463	1465	1470	rVB	157251	154445	2.61%	0.224%
34	10.792	1476	1480	1486	rBV2	1361015	1633316	27.57%	2.366%

LSC Area Percent Report

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Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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	10.880	1492	1495	1505	rVB3	135672	230049	3.88%	0.333%
36	10.980	1509	1512	1517	rBV	105127	120748	2.04%	0.175%
37	11.075	1524	1528	1529	rBV	88164	97070	1.64%	0.141%
38	11.098	1529	1532	1535	rVV	179095	226049	3.82%	0.327%
39	11.127	1535	1537	1541	rVV2	109288	128878	2.18%	0.187%
40	11.180	1543	1546	1548	rVV	92232	82692	1.40%	0.120%
41	11.222	1548	1553	1555	rVV4	55118	84308	1.42%	0.122%
42	11.245	1555	1557	1563	rVB2	73079	80760	1.36%	0.117%
43	11.351	1569	1575	1579	rBV3	550594	625745	10.56%	0.907%
44	11.392	1579	1582	1589	rVB	314865	364806	6.16%	0.528%
45	11.498	1596	1600	1601	rBV	681379	690861	11.66%	1.001%
46	11.533	1601	1606	1611	rVV	4098968	5924635	100.00%	8.583%
47	11.575	1611	1613	1634	rVV	1425106	2131215	35.97%	3.087%
48	11.733	1634	1640	1646	rVV	509551	804044	13.57%	1.165%
49	11.780	1646	1648	1651	rVV	120788	143077	2.41%	0.207%
50	11.827	1654	1656	1667	rVV4	73350	166672	2.81%	0.241%
51	11.904	1667	1669	1675	rVB2	47386	74342	1.25%	0.108%
52	11.998	1681	1685	1687	rBV	558622	575151	9.71%	0.833%
53	12.027	1687	1690	1696	rVV	758573	804499	13.58%	1.165%
54	12.074	1696	1698	1701	rVV	226648	219949	3.71%	0.319%
55	12.116	1701	1705	1712	rVB2	1132687	1589057	26.82%	2.302%
56	12.292	1732	1735	1739	rBV	376051	397023	6.70%	0.575%
57	12.439	1758	1760	1763	rBV2	92801	85725	1.45%	0.124%
58	12.474	1763	1766	1768	rBV	80199	66754	1.13%	0.097%
59	12.498	1768	1770	1775	rVB	72770	83623	1.41%	0.121%
60	12.545	1775	1778	1782	rBV	201796	261476	4.41%	0.379%
61	12.586	1783	1785	1791	rVB2	95207	141088	2.38%	0.204%
62	12.727	1803	1809	1816	rBV	3562728	5255627	88.71%	7.614%
63	12.869	1830	1833	1836	rBV2	138199	145143	2.45%	0.210%
64	12.963	1841	1849	1853	rBV2	3179460	5230590	88.29%	7.578%
65	12.992	1853	1854	1860	rVB	235045	221892	3.75%	0.321%
66	13.080	1864	1869	1873	rBV2	1996362	2201141	37.15%	3.189%
67	13.163	1879	1883	1888	rBV3	229760	397157	6.70%	0.575%
68	13.280	1895	1903	1910	rBV	817040	1261449	21.29%	1.827%
69	13.345	1910	1914	1917	rVV	834592	863941	14.58%	1.252%
70	13.380	1918	1920	1922	rVV2	299616	338304	5.71%	0.490%
71	13.404	1922	1924	1927	rVB2	210626	204835	3.46%	0.297%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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

72	13.474	1933	1936	1938	rBV	181158	170116	2.87%	0.246%
73	13.504	1938	1941	1950	rVB2	233893	327536	5.53%	0.475%
74	13.627	1960	1962	1964	rBV2	74484	65800	1.11%	0.095%
75	13.698	1972	1974	1981	rVB	149036	187966	3.17%	0.272%
76	13.757	1982	1984	1987	rBV	89051	104444	1.76%	0.151%
77	13.904	2006	2009	2010	rBV	209001	211392	3.57%	0.306%
78	13.927	2010	2013	2015	rVV	320115	341210	5.76%	0.494%
79	13.951	2015	2017	2024	rVB4	449832	656860	11.09%	0.952%
80	14.151	2046	2051	2055	rBV2	1583224	2868834	48.42%	4.156%
81	14.186	2055	2057	2064	rVV	1666709	1629245	27.50%	2.360%
82	14.263	2067	2070	2076	rVB	367303	359535	6.07%	0.521%
83	14.545	2116	2118	2121	rVB	184636	152419	2.57%	0.221%
84	14.645	2133	2135	2138	rVB2	124364	112850	1.90%	0.163%
85	14.674	2138	2140	2142	rBV	109717	108273	1.83%	0.157%
86	15.245	2232	2237	2240	rBV	1004936	1788025	30.18%	2.590%
87	15.357	2253	2256	2260	rBV	169981	208889	3.53%	0.303%
88	15.568	2288	2292	2298	rBV	566352	793289	13.39%	1.149%
89	15.639	2299	2304	2311	rVV	853158	1361591	22.98%	1.973%
90	15.704	2311	2315	2318	rVV	326630	507047	8.56%	0.735%
91	15.733	2318	2320	2330	rVB	276235	428200	7.23%	0.620%
92	16.410	2431	2435	2442	rVB2	170163	304078	5.13%	0.441%
93	16.874	2510	2514	2520	rVB3	109487	189427	3.20%	0.274%
94	17.298	2579	2586	2597	rBV2	323288	773526	13.06%	1.121%
95	17.486	2613	2618	2624	rBV3	106765	239507	4.04%	0.347%
96	17.786	2661	2669	2685	rBV3	216656	707006	11.93%	1.024%

Sum of corrected areas: 69027375

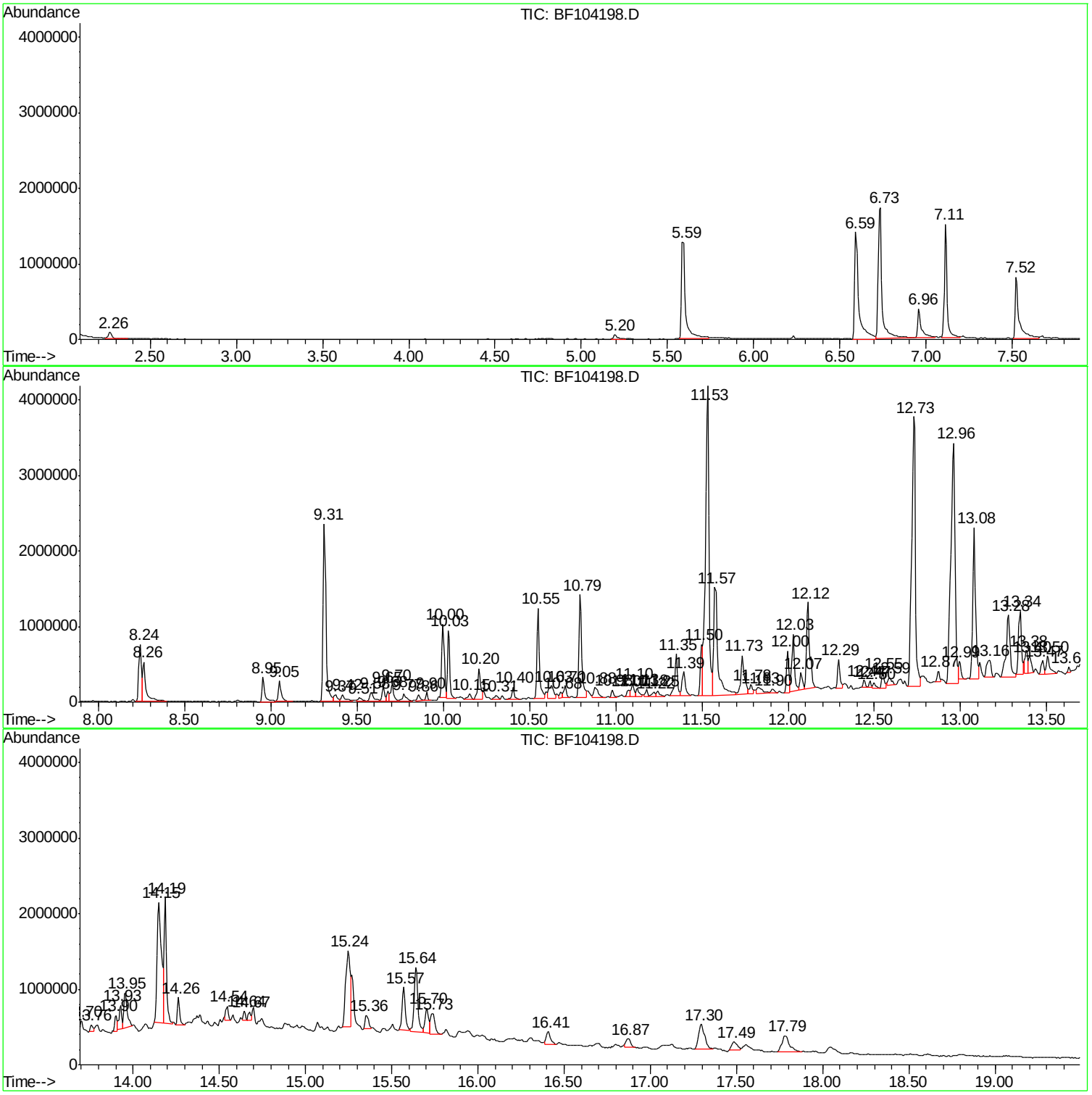
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-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\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-WW(1-5)

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

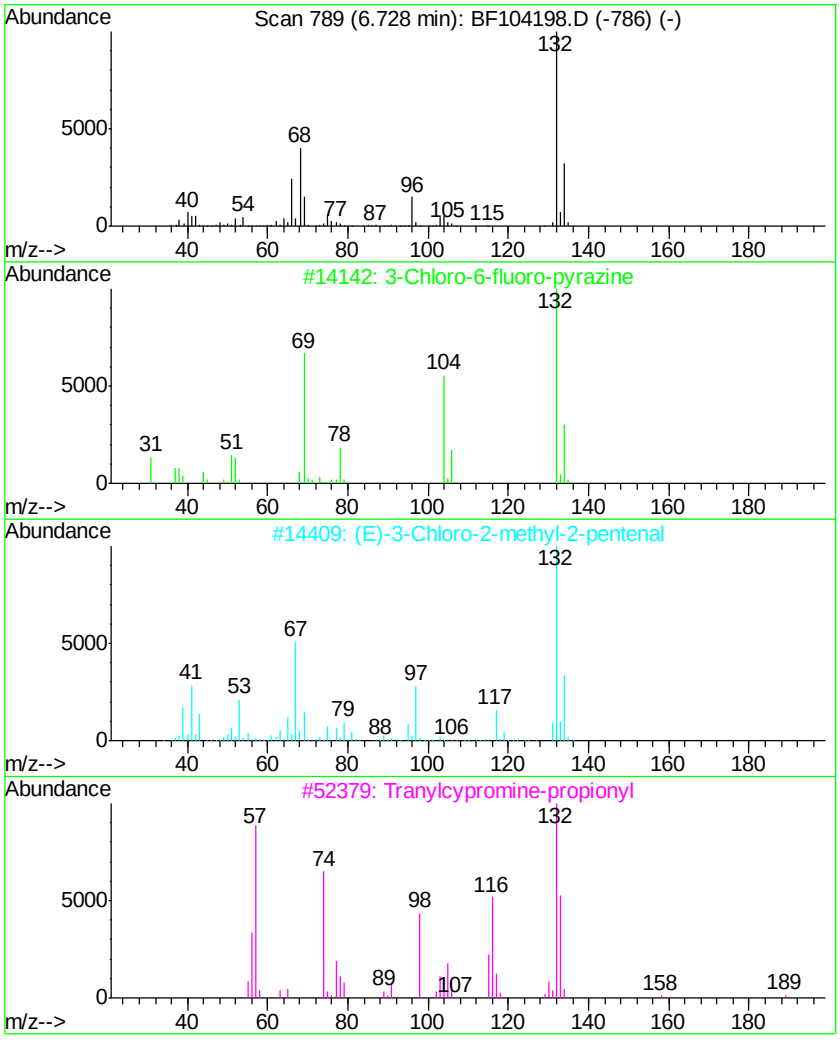
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

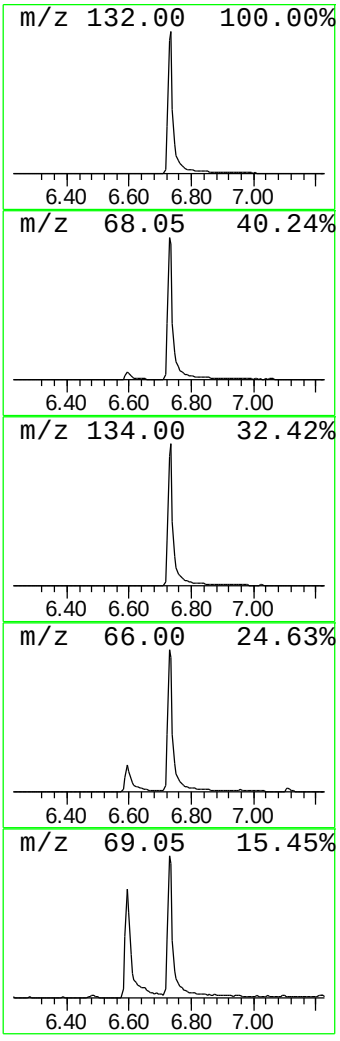
****

Peak Number 1 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	86.92 ng	2381410	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	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-WW(1-5)

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

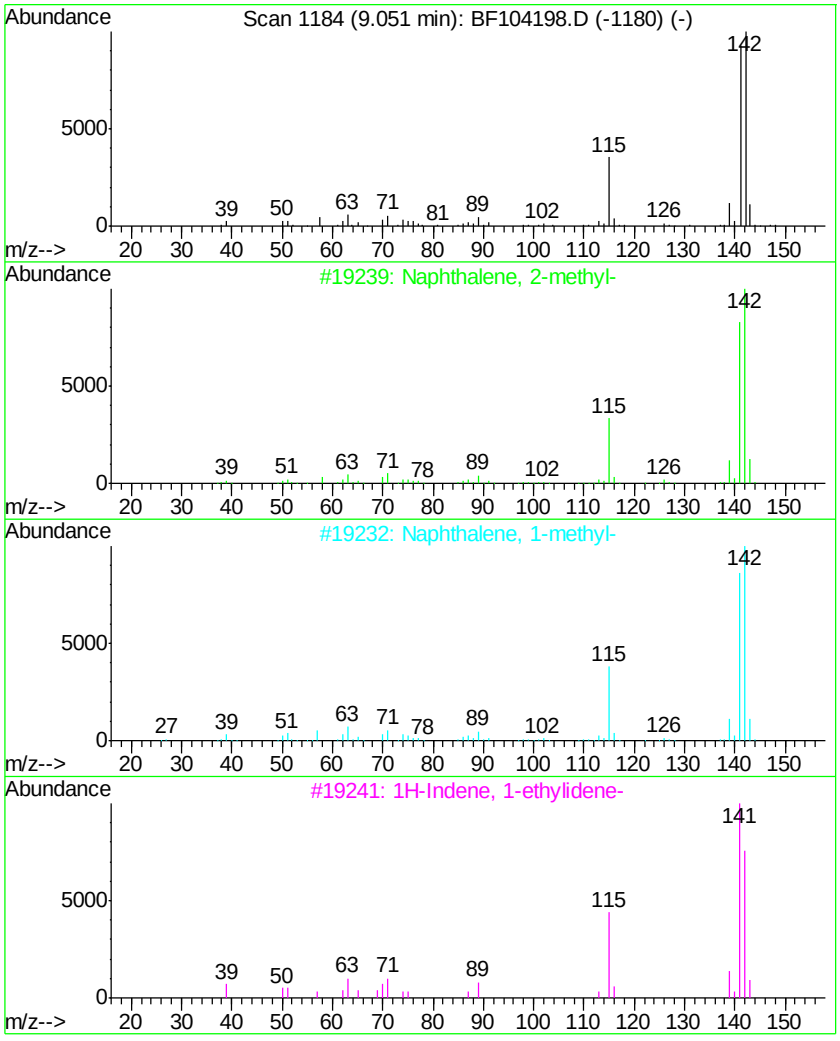
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

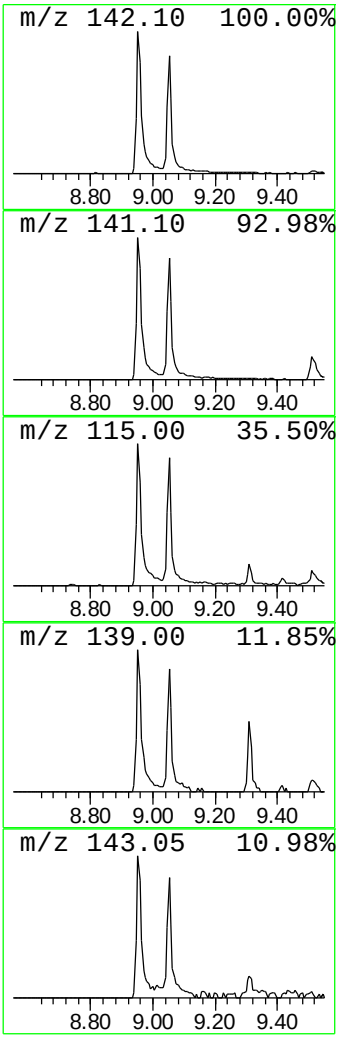
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	8.12 ng	290097	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
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Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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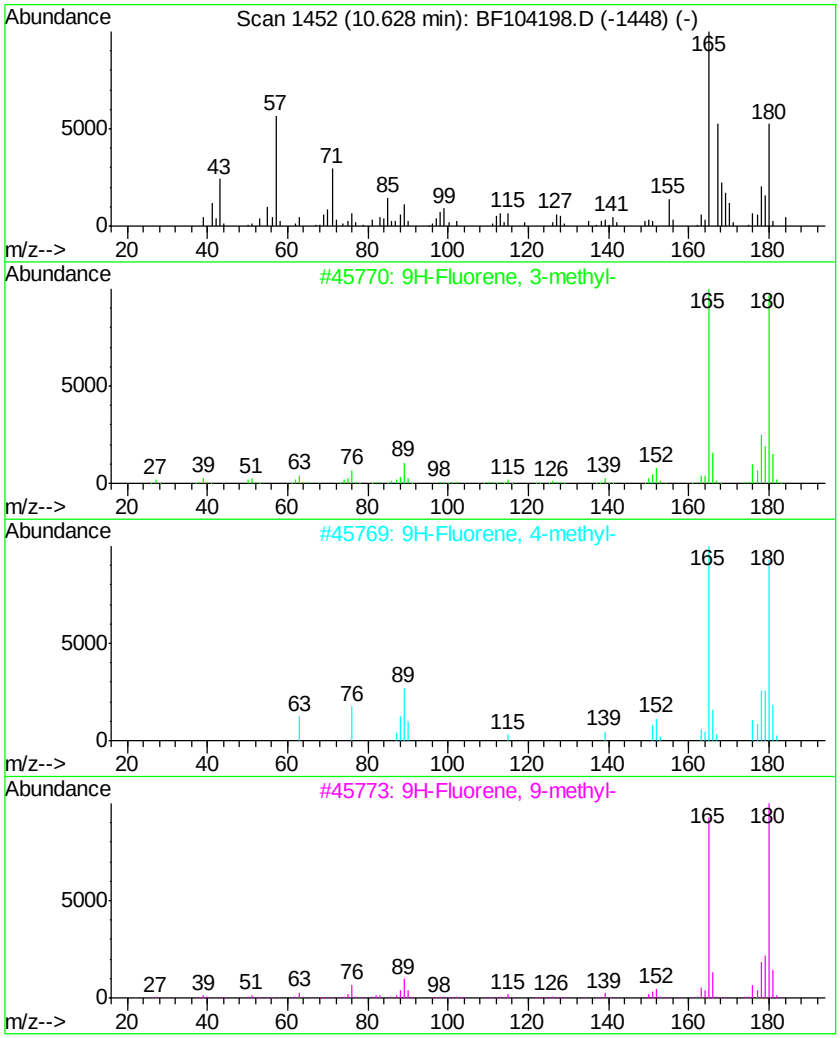
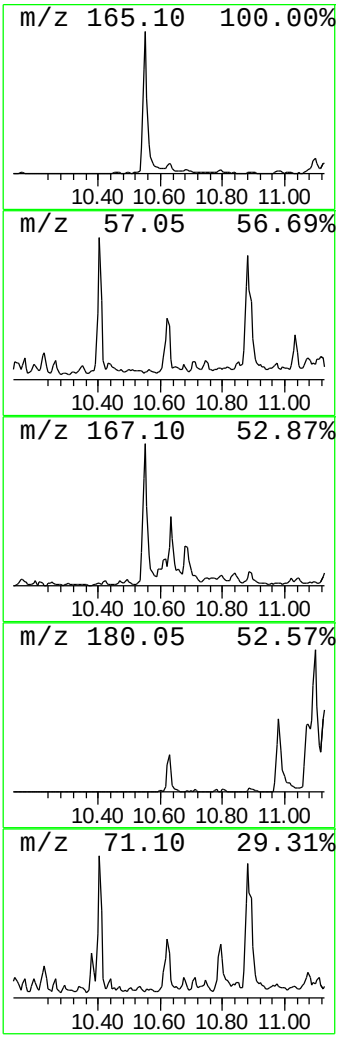
Peak Number 4 unknown10.63 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	7.30 ng	315401	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	49
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	45
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	38
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	38
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	38





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Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-WW(1-5)

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

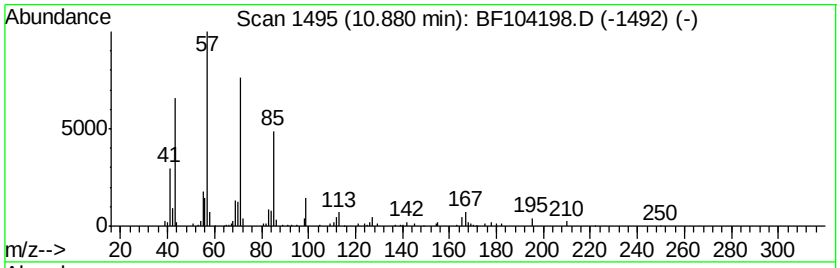
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

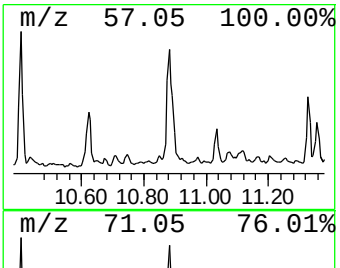
****

Peak Number 5 Dodecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	6.66 ng	230049	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-WW(1-5)

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

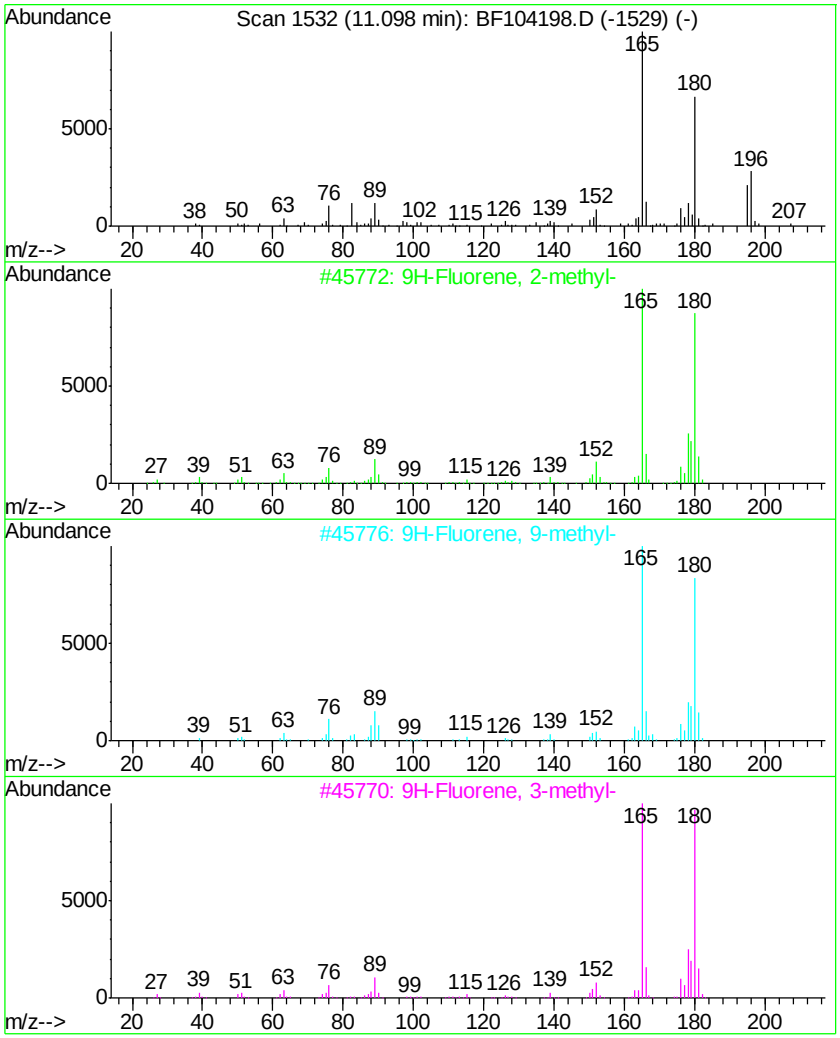
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

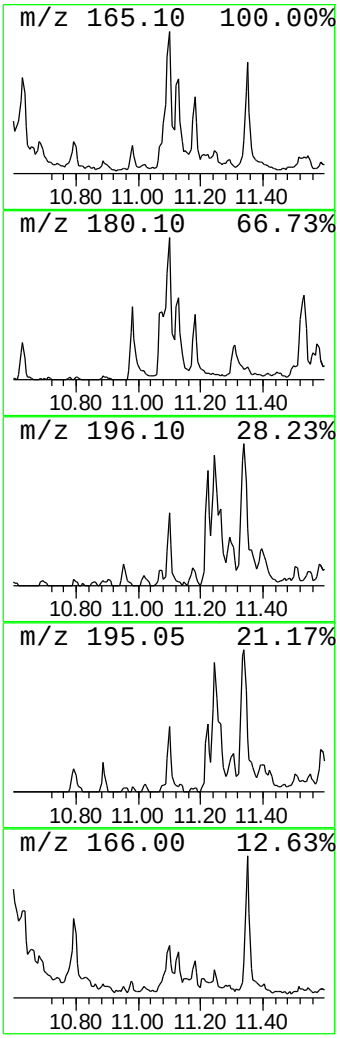
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	6.54 ng	226049	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	58
4	Benzenamine, N-ethyl-2-methyl-5-...	180	C9H12N2O2	056288-95-0	47
5	2',4'-Dimethoxyacetophenone	180	C10H12O3	000829-20-9	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-WW(1-5)

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

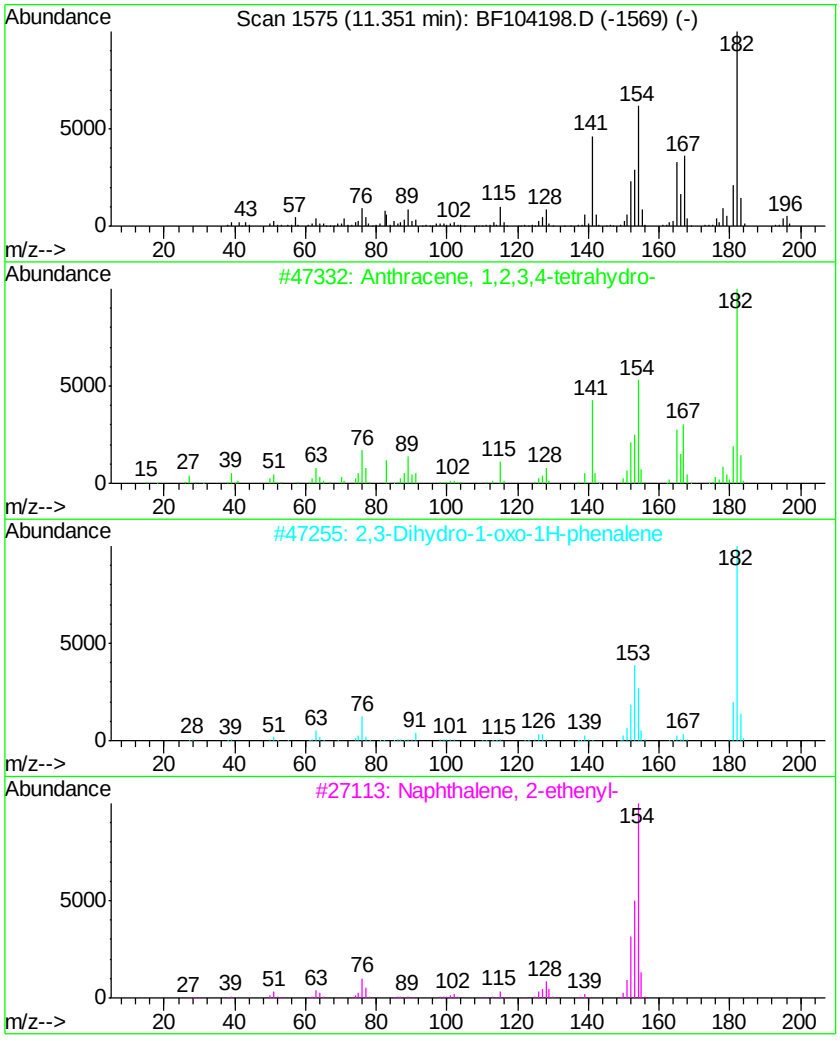
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

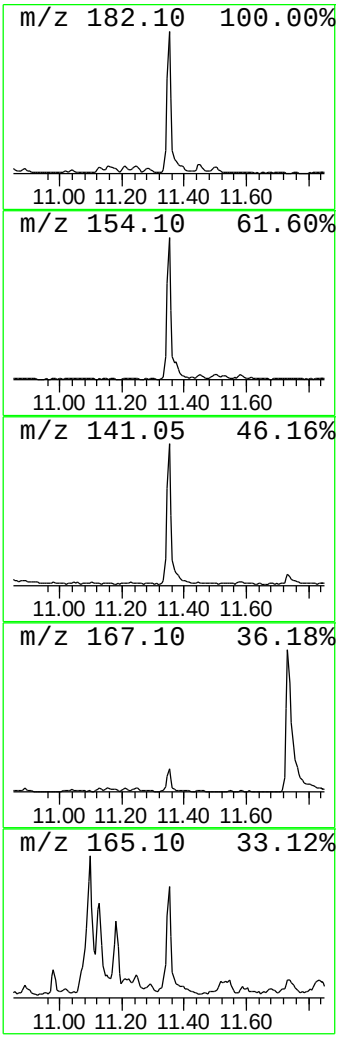
****

Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	18.11 ng	625745	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	60
3	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	56
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	49
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49





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Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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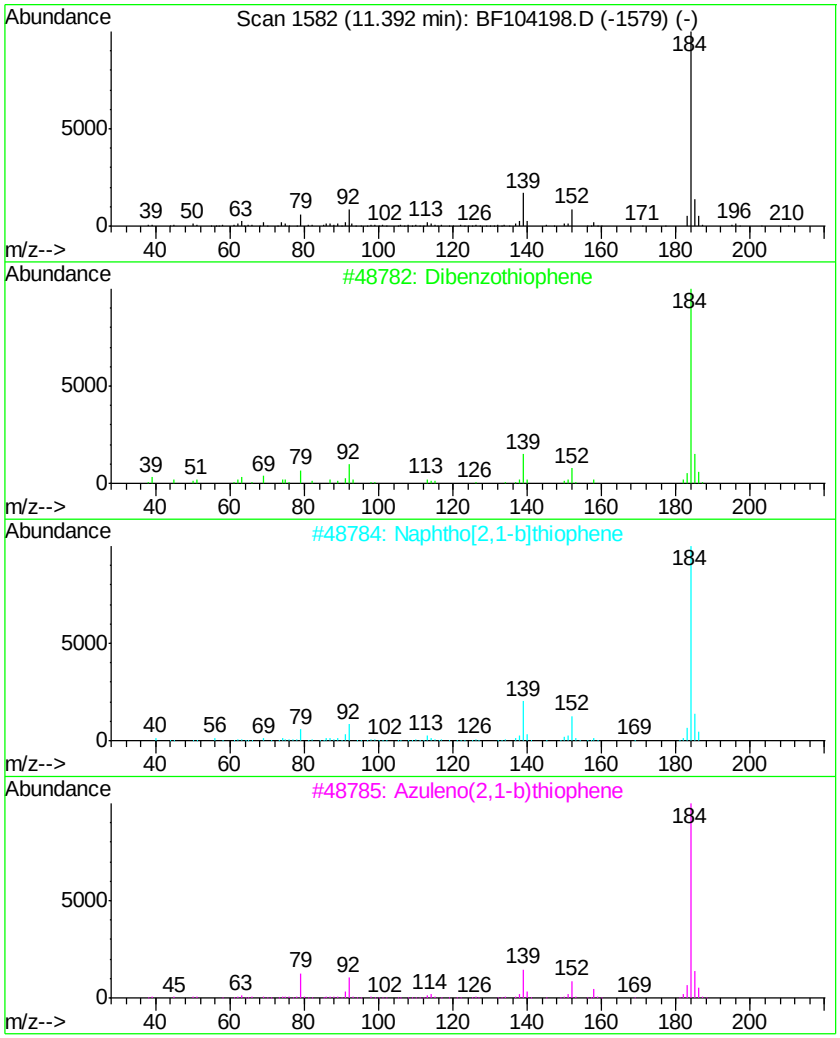
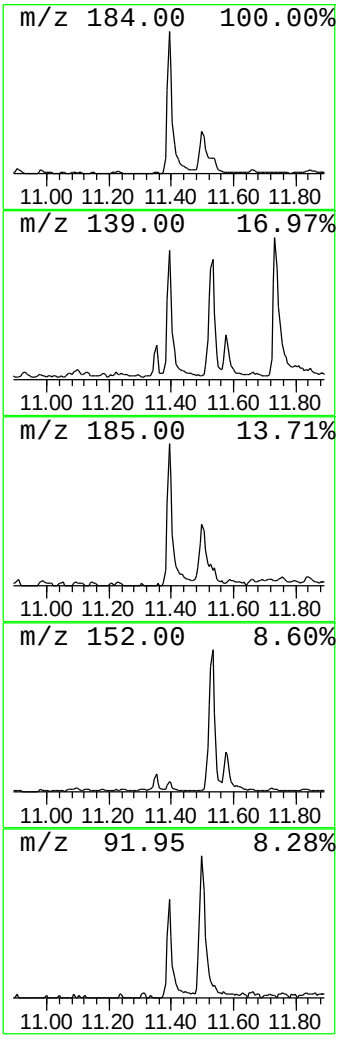
Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	10.56 ng	364806	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





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Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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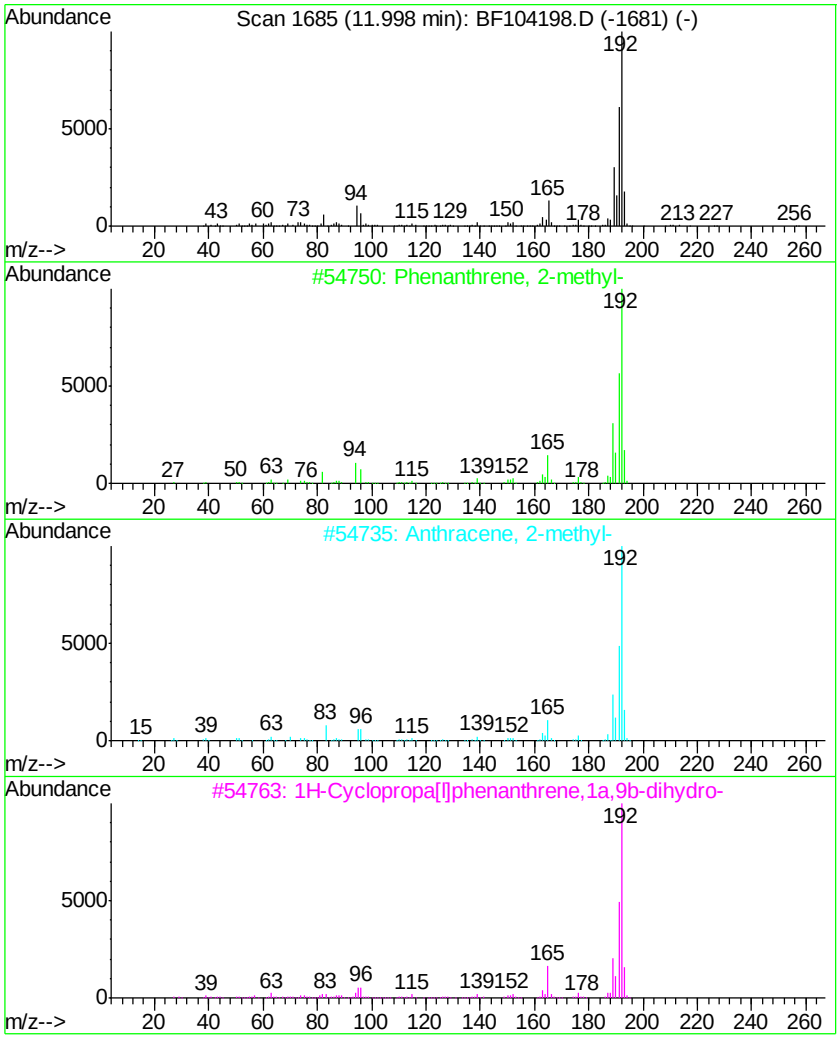
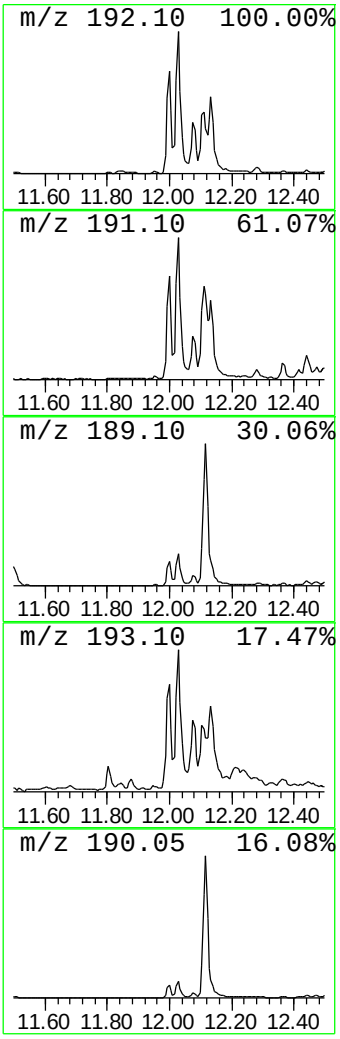
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	16.65 ng	575151	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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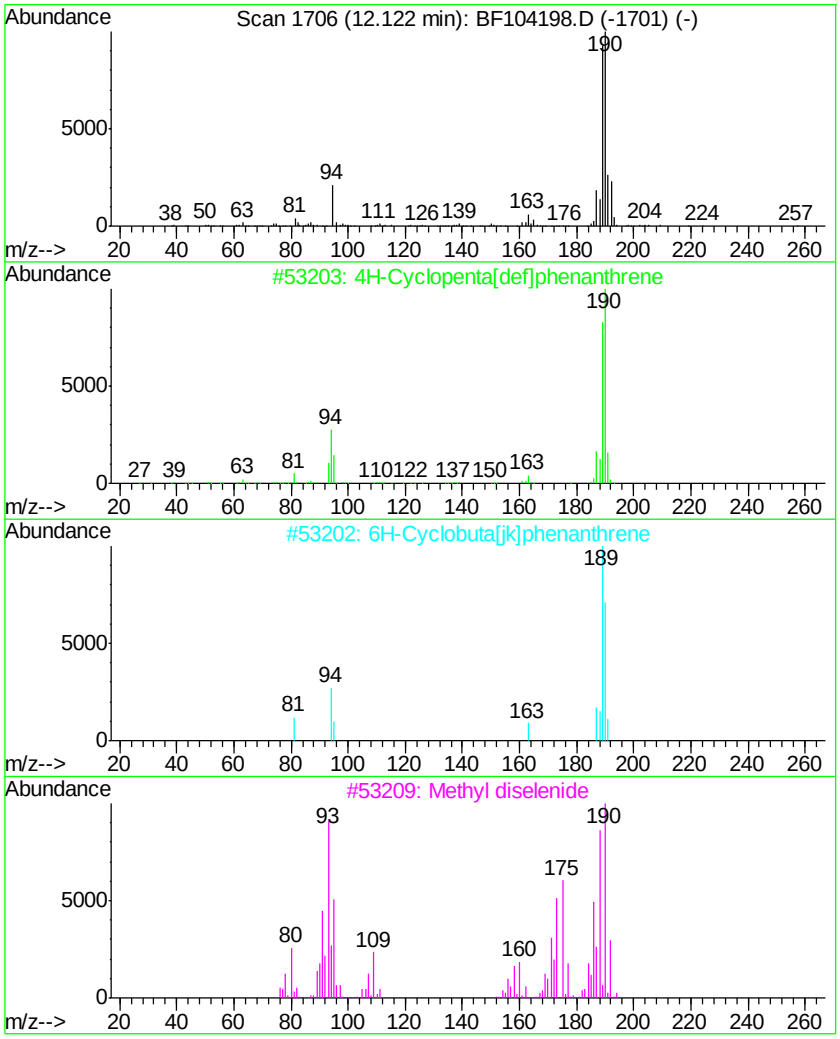
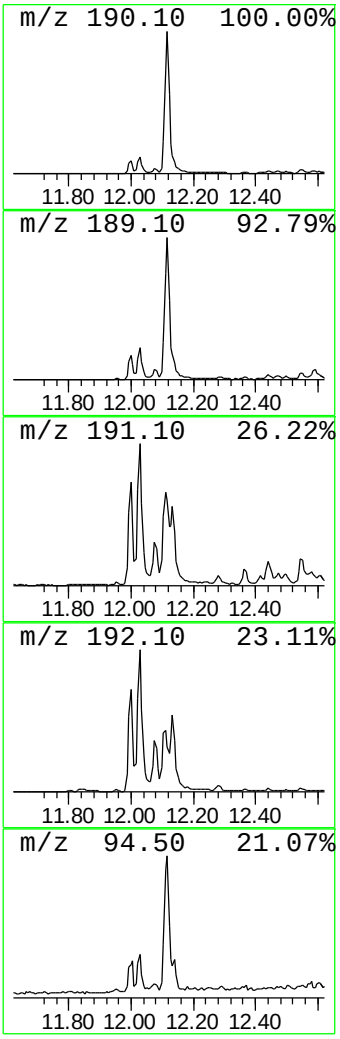
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	46.00 ng	1589060	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	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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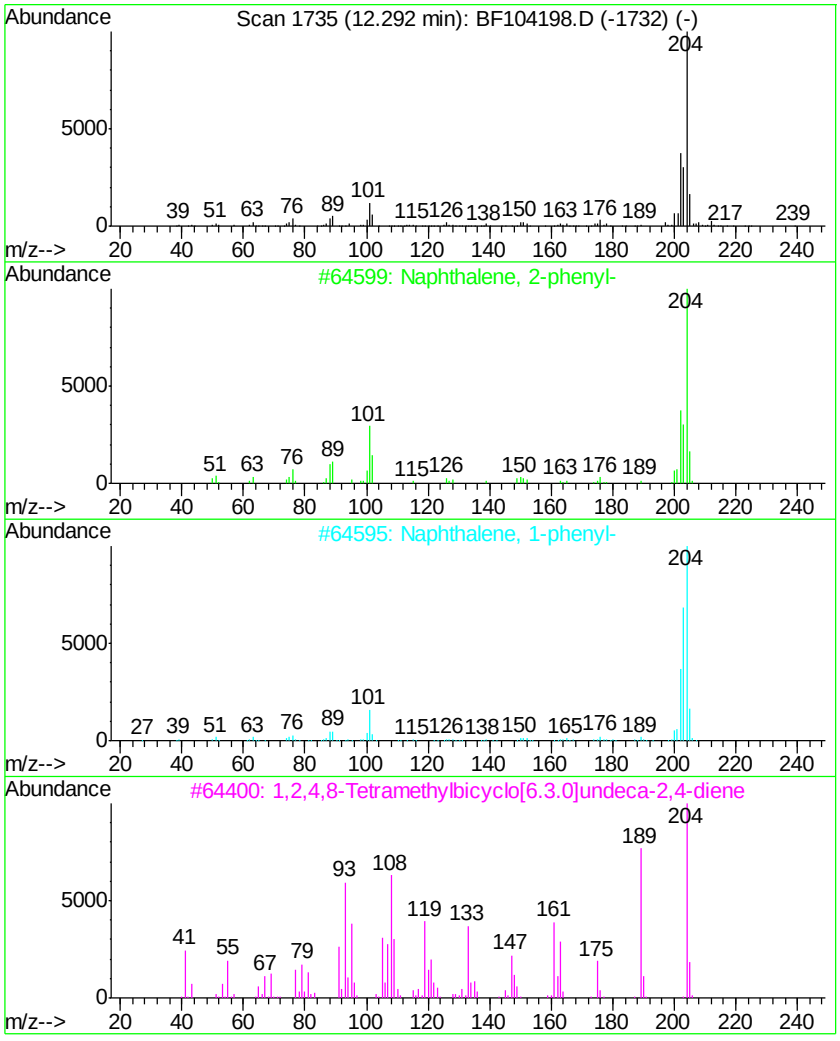
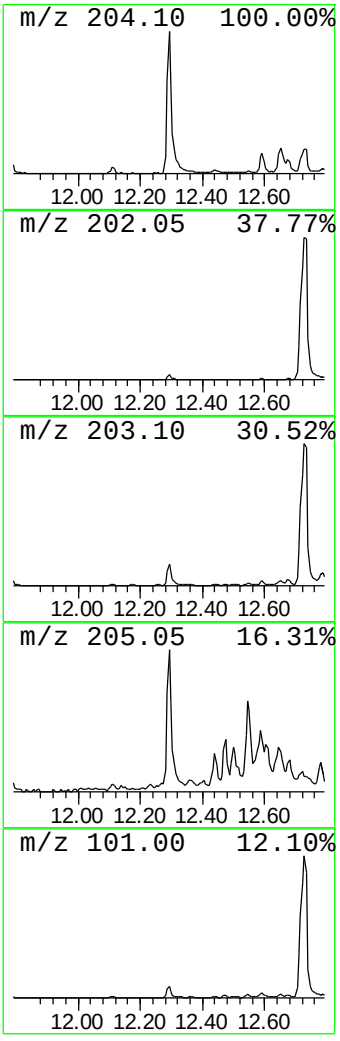
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	11.49 ng	397023	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	92
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





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Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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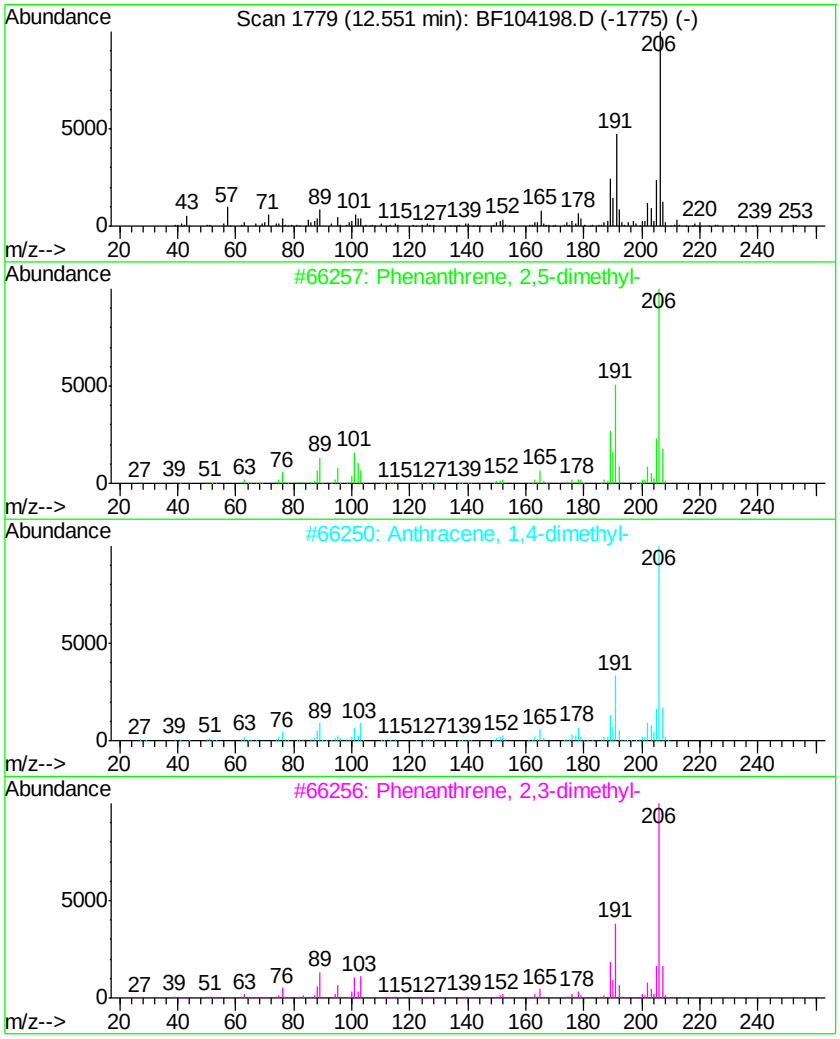
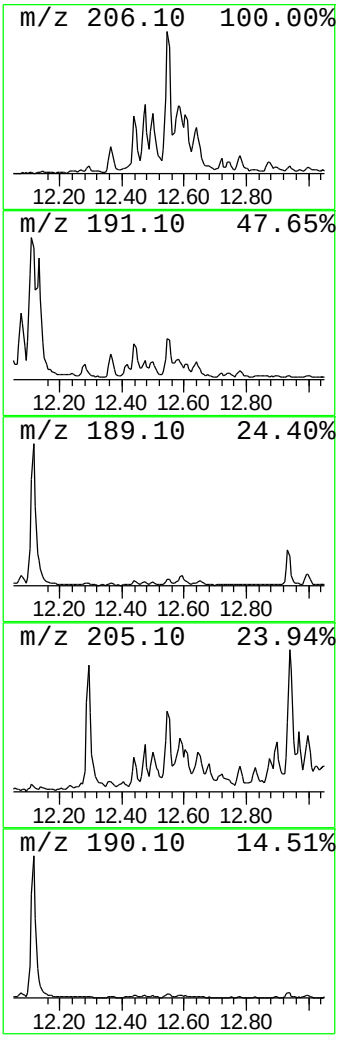
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	7.57 ng	261476	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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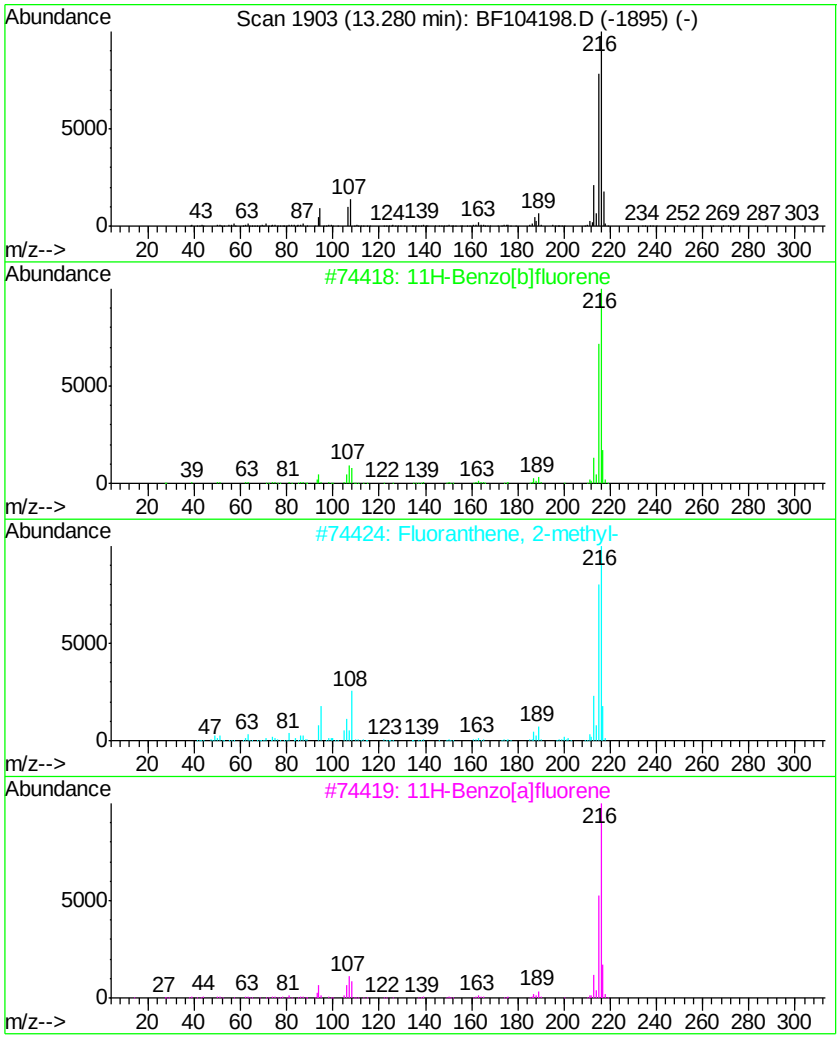
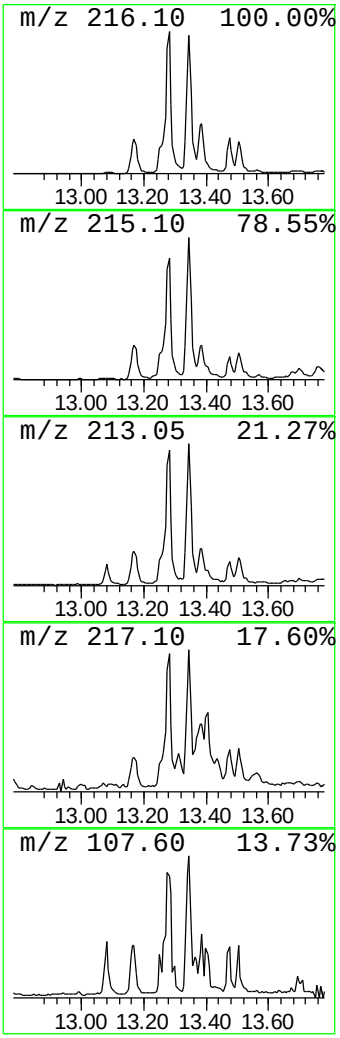
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	8.79 ng	1261450	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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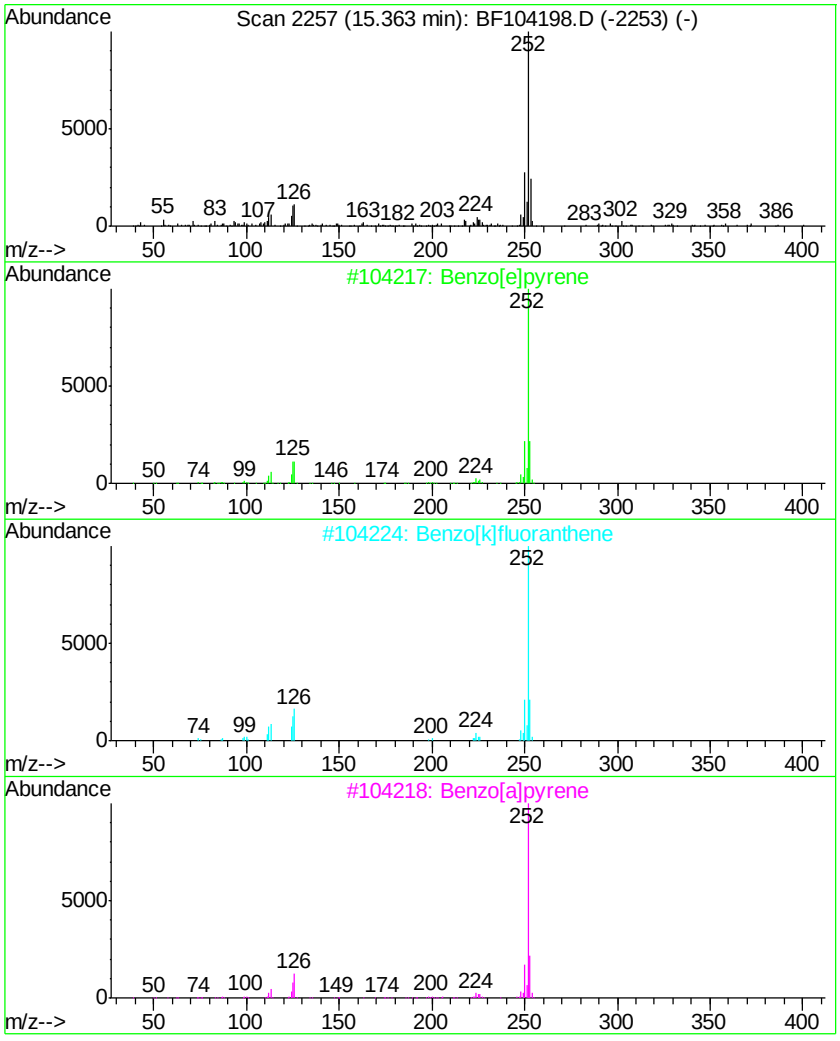
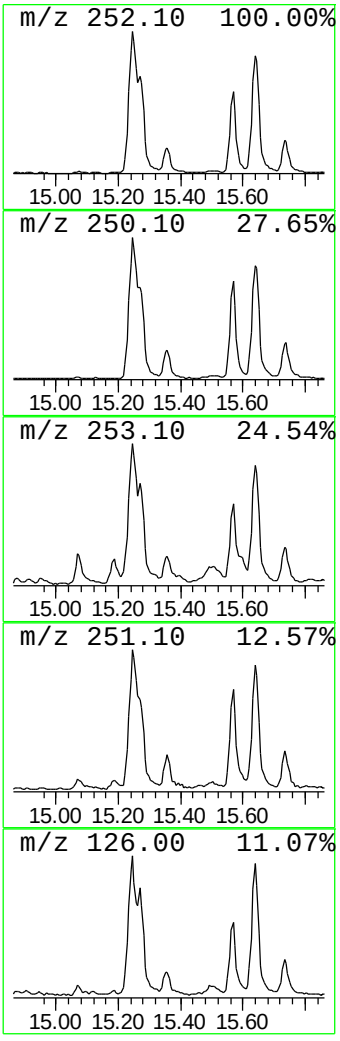
Peak Number 16 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	8.24 ng	208889	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	90





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Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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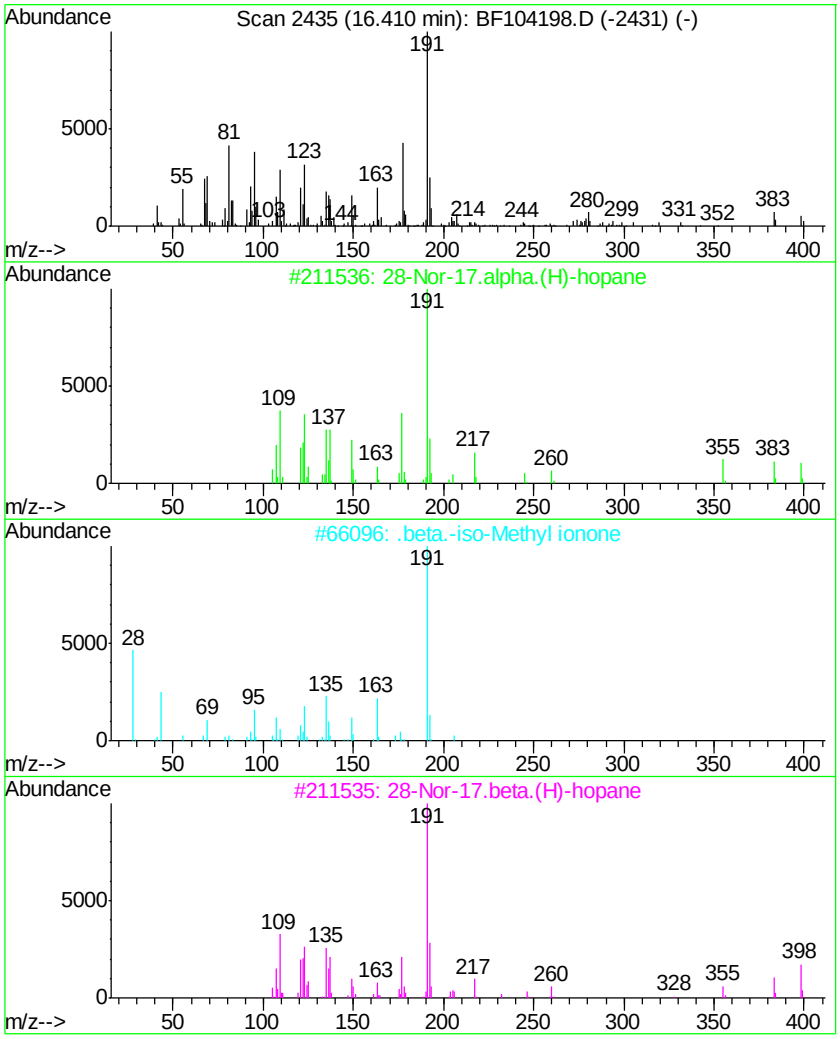
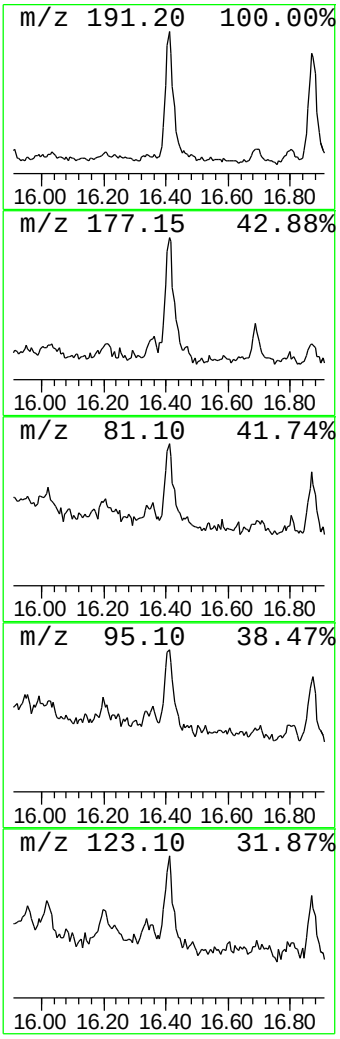
Peak Number 18 28-Nor-17.alpha.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	11.99 ng	304078	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	72
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	62
3	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	46
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	32
5	Pentanoic acid, 4-methyl-2-(2,5-...	278	C13H18N4O3	1000294-63-5	30





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Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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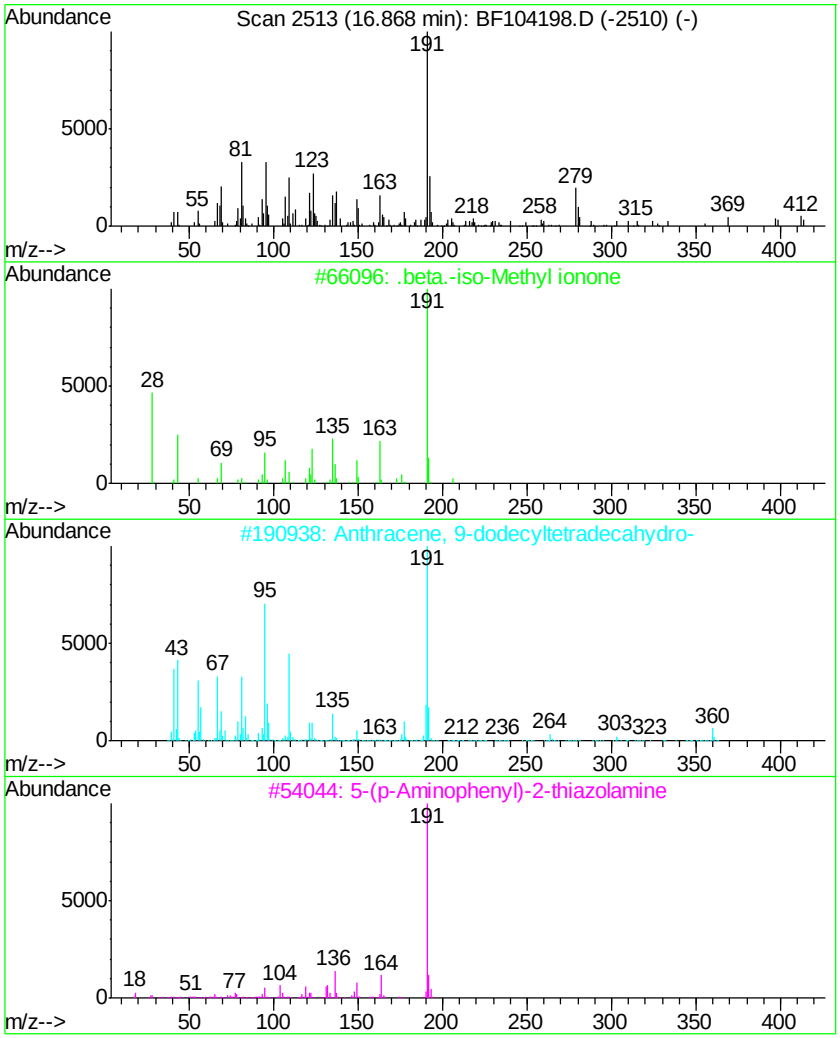
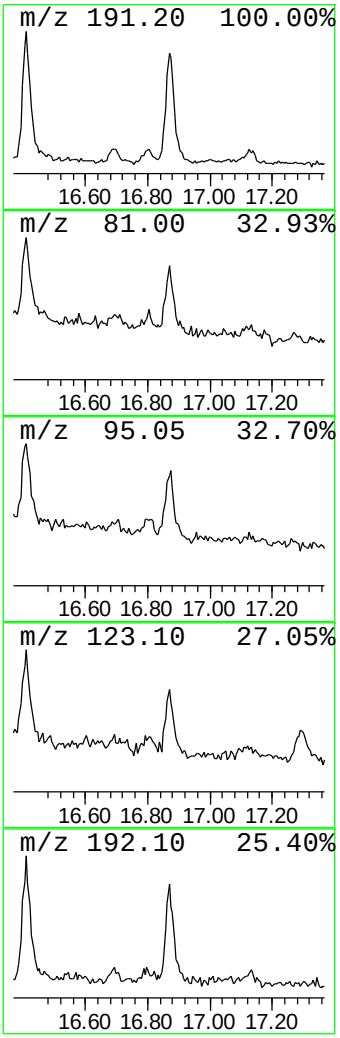
Peak Number 19 unknown16.87 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	7.47 ng	189427	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	47
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	45
3	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
4	Isophthalic acid, 2-methyloct-5-...	330	C20H26O4	1000343-92-3	30
5	2-Fluoro-6-trifluoromethylbenzoi...	320	C14H6F6O2	1000357-69-2	27





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Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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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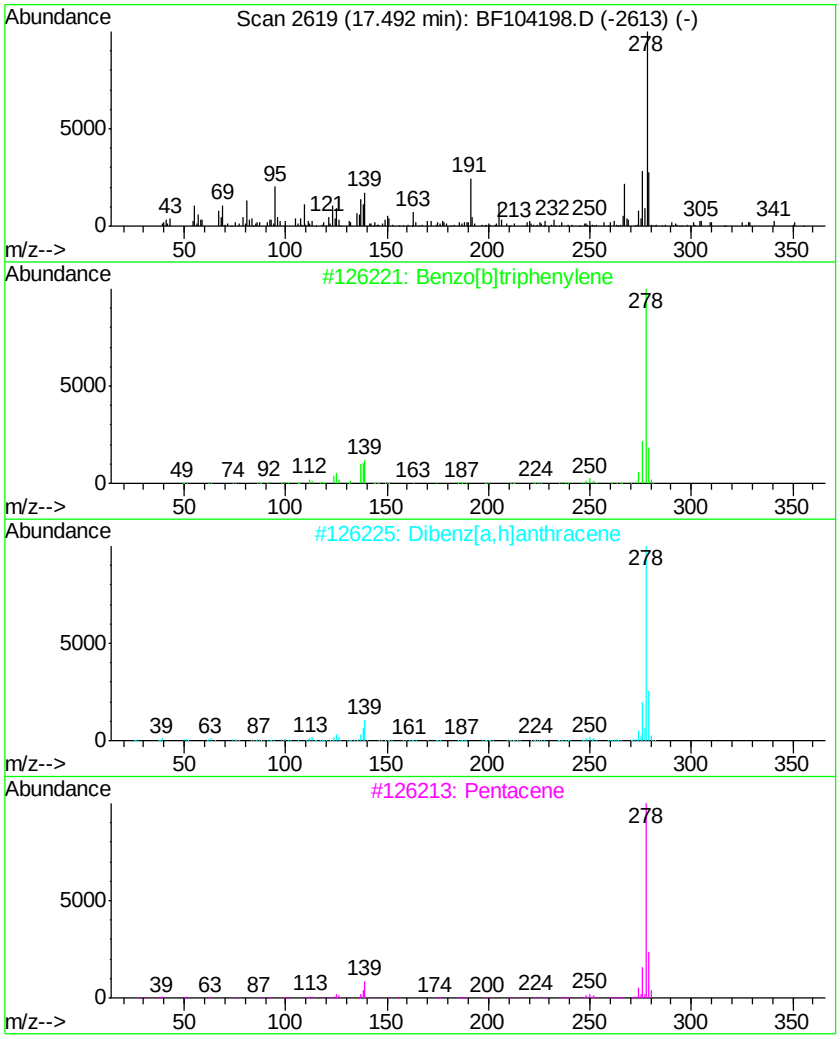
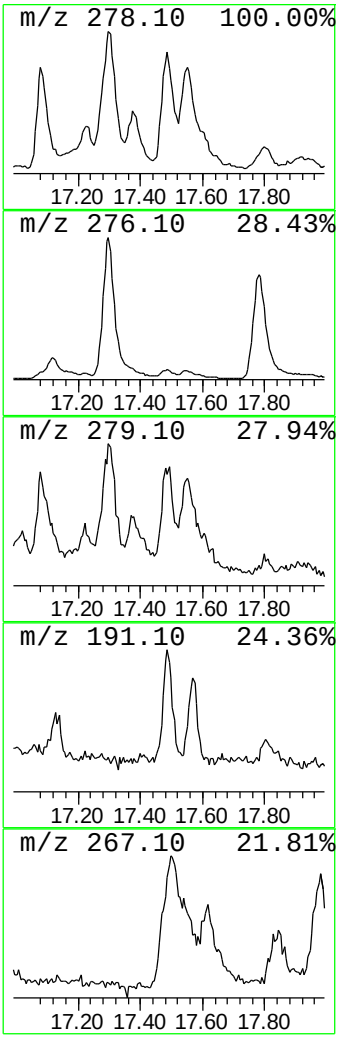
Peak Number 20 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	9.45 ng	239507	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
3	Pentacene	278	C22H14	000135-48-8	78
4	Benzo[b]chrysene	278	C22H14	000214-17-5	78
5	Picene	278	C22H14	000213-46-7	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104198.D
Acq On : 3 Apr 2018 23:42
Operator : JU/SJ
Sample : J2182-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-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
unknown6.73	6.73	86.9	ng	2381410	1	6.96	547929	20.0
Naphthalene, 1-me...	9.05	8.1	ng	290097	2	8.24	714561	20.0
unknown10.63	10.63	7.3	ng	315401	3	10.00	864158	20.0
Dodecane	10.88	6.7	ng	230049	4	11.50	690861	20.0
9H-Fluorene, 2-me...	11.10	6.5	ng	226049	4	11.50	690861	20.0
Anthracene, 1,2,3...	11.35	18.1	ng	625745	4	11.50	690861	20.0
Dibenzothiophene	11.39	10.6	ng	364806	4	11.50	690861	20.0
Phenanthrene, 2-m...	12.00	16.6	ng	575151	4	11.50	690861	20.0
4H-Cyclopenta[def...	12.12	46.0	ng	1589060	4	11.50	690861	20.0
Naphthalene, 2-ph...	12.29	11.5	ng	397023	4	11.50	690861	20.0
Phenanthrene, 2,5...	12.55	7.6	ng	261476	4	11.50	690861	20.0
11H-Benzo[b]fluorene	13.28	8.8	ng	1261450	5	14.16	2868830	20.0
Benzo[e]pyrene	15.36	8.2	ng	208889	6	15.70	507047	20.0
28-Nor-17.alpha.(...	16.41	12.0	ng	304078	6	15.70	507047	20.0
unknown16.87	16.87	7.5	ng	189427	6	15.70	507047	20.0
Benzo[b]triphenylene	17.49	9.4	ng	239507	6	15.70	507047	20.0