LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.643	558	562	565	rBV	1944501	1701350	22.54%	1.984%
2	6.637	726	731	734	rBV	2001583	1733722	22.97%	2.022%
3	6.784	752	756	760	rBV	1956976	1763107	23.36%	2.056%
4	7.019	792	796	799	rBV	1031768	847389	11.23%	0.988%
5	7.172	818	822	826	rBV	1637330	1392300	18.44%	1.624%
6	7.578	886	891	894	rBV	1238551	1031219	13.66%	1.202%
7	8.301	1010	1014	1016	rBV	1188167	990767	13.13%	1.155%
8	8.325	1016	1018	1024	rVB	352921	292767	3.88%	0.341%
9	9.013	1132	1135	1142	rBV	213634	170867	2.26%	0.199%
10	9.113	1148	1152	1156	rBV	184437	156702	2.08%	0.183%
11	9.372	1192	1196	1199	rBV	2215589	1744034	23.10%	2.034%
12	9.642	1237	1242	1246	rBV2	105229	155526	2.06%	0.181%
13	9.713	1251	1254	1257	rBV	162913	165051	2.19%	0.192%
14	9.836	1270	1275	1277	rBV	86588	93937	1.24%	0.110%
15	9.925	1286	1290	1295	rBV	254456	232372	3.08%	0.271%
16	10.066	1311	1314	1317	rVV	1033063	933464	12.37%	1.089%
17	10.095	1317	1319	1322	rVB	764422	565353	7.49%	0.659%
18	10.266	1344	1348	1351	rVV	418864	413287	5.48%	0.482%
19	10.301	1351	1354	1357	rVB	102052	92149	1.22%	0.107%
20	10.378	1363	1367	1369	rBV2	90556	95938	1.27%	0.112%
21	10.472	1378	1383	1389	rBV2	149750	180103	2.39%	0.210%
22	10.613	1403	1407	1412	rVB	859705	732681	9.71%	0.854%
23	10.766	1431	1433	1437	rVB	174685	165688	2.20%	0.193%
24	10.854	1444	1448	1454	rBV	1083802	1072097	14.20%	1.250%
25	10.948	1461	1464	1468	rBV2	105280	151024	2.00%	0.176%
26	11.160	1494	1500	1503	rBV2	175534	236706	3.14%	0.276%
27	11.189	1503	1505	1508	rVV2	97741	94986	1.26%	0.111%
28	11.248	1508	1515	1517	rVB3	72358	117986	1.56%	0.138%
29	11.289	1517	1522	1524	rBV3	115273	153655	2.04%	0.179%
30	11.313	1524	1526	1530	rVV3	120266	136719	1.81%	0.159%
31	11.366	1531	1535	1538	rVV	226813	231723	3.07%	0.270%
32	11.401	1538	1541	1544	rVV2	178344	211085	2.80%	0.246%
33	11.460	1548	1551	1555	rVB	324392	311025	4.12%	0.363%
34	11.560	1564	1568	1570	rBV	887238	917071	12.15%	1.069%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

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

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

35	11.595	1570	1574	1577	rVV	4474958	4545201	60.21%	5.300%
36	11.642	1578	1582	1585	rVV	1787764	1582589	20.97%	1.845%
37	11.672	1585	1587	1592	rVB	128660	121444	1.61%	0.142%
38	11.789	1603	1607	1611	rBV	372322	377292	5.00%	0.440%
39	11.854	1615	1618	1621	rVV	163686	145670	1.93%	0.170%
40	11.895	1621	1625	1627	rVV2	151535	155929	2.07%	0.182%
41	11.930	1627	1631	1634	rVV	1262639	1130637	14.98%	1.318%
42	12.066	1648	1654	1656	rBV	659630	600968	7.96%	0.701%
43	12.095	1656	1659	1662	rVB	866405	781440	10.35%	0.911%
44	12.142	1662	1667	1670	rBV	393066	377204	5.00%	0.440%
45	12.183	1670	1674	1676	rBV2	1272318	1430505	18.95%	1.668%
46	12.236	1680	1683	1686	rBV3	110116	118803	1.57%	0.139%
47	12.360	1701	1704	1706	rBV	515185	438629	5.81%	0.511%
48	12.389	1706	1709	1714	rVB	280322	239923	3.18%	0.280%
49	12.507	1727	1729	1732	rVB	134057	110899	1.47%	0.129%
50	12.542	1732	1735	1737	rBV	127343	109069	1.44%	0.127%
51	12.566	1737	1739	1741	rVB	144910	109762	1.45%	0.128%
52	12.624	1744	1749	1751	rBV2	4264592	4580865	60.69%	5.342%
53	12.642	1751	1752	1760	rVB4	3150164	2463671	32.64%	2.873%
54	12.724	1760	1766	1769	rBV3	636719	894881	11.86%	1.044%
55	12.795	1772	1778	1781	rBV	6197880	7312763	96.88%	8.527%
56	12.848	1784	1787	1790	rVB	181848	164235	2.18%	0.192%
57	12.936	1799	1802	1805	rBV2	225330	223601	2.96%	0.261%
58	13.030	1810	1818	1821	rBV2	5398748	7548421	100.00%	8.802%
59	13.060	1821	1823	1828	rVB2	353944	348419	4.62%	0.406%
60	13.148	1831	1838	1840	rBV2	1661588	1784772	23.64%	2.081%
61	13.177	1840	1843	1846	rVB	263682	262570	3.48%	0.306%
62	13.236	1847	1853	1856	rBV2	422965	737971	9.78%	0.861%
63	13.319	1863	1867	1868	rVV3	302319	376168	4.98%	0.439%
64	13.342	1868	1871	1874	rVB	934282	959393	12.71%	1.119%
65	13.413	1879	1883	1885	rBV	780278	750154	9.94%	0.875%
66	13.448	1885	1889	1892	rVV2	581022	677266	8.97%	0.790%
67	13.471	1892	1893	1896	rVB	211700	132210	1.75%	0.154%
68	13.501	1896	1898	1901	rVB4	130316	111931	1.48%	0.131%
69	13.542	1902	1905	1907	rBV	323935	266998	3.54%	0.311%
70	13.571	1907	1910	1913	rBV	320951	279591	3.70%	0.326%
71	13.654	1922	1924	1927	rVB2	107103	94887	1.26%	0.111%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4282-09
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-081718

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

72	13.824	1950	1953	1955	rBV	138122	155162	2.06%	0.181%
73	13.854	1955	1958	1962	rVB	410437	371864	4.93%	0.434%
74	13.966	1973	1977	1979	rBV2	536822	575287	7.62%	0.671%
75	13.995	1979	1982	1984	rVV	525798	492394	6.52%	0.574%
76	14.024	1984	1987	1990	rVV2	511935	677557	8.98%	0.790%
77	14.060	1990	1993	1997	rVB2	408741	438941	5.82%	0.512%
78	14.136	2001	2006	2011	rBV	182501	322146	4.27%	0.376%
79	14.213	2012	2019	2023	rBV3	3042679	4482450	59.38%	5.227%
80	14.248	2023	2025	2032	rVB	2518204	2434188	32.25%	2.838%
81	14.330	2036	2039	2043	rVV	699531	688068	9.12%	0.802%
82	14.366	2043	2045	2049	rVV3	212613	267781	3.55%	0.312%
83	14.407	2050	2052	2054	rVV	219841	193783	2.57%	0.226%
84	14.442	2054	2058	2061	rVV2	329062	398917	5.28%	0.465%
85	14.477	2061	2064	2066	rVB	113145	105842	1.40%	0.123%
86	14.607	2081	2086	2088	rVV	414071	455665	6.04%	0.531%
87	14.642	2089	2092	2096	rVB	192097	217148	2.88%	0.253%
88	14.707	2101	2103	2106	rVV	207234	214029	2.84%	0.250%
89	14.736	2106	2108	2110	rVV	260559	261473	3.46%	0.305%
90	14.760	2110	2112	2116	rVV2	314498	304191	4.03%	0.355%
91	14.807	2116	2120	2127	rVB3	184314	303060	4.01%	0.353%
92	15.324	2202	2208	2211	rBV	1721398	3061398	40.56%	3.570%
93	15.436	2223	2227	2231	rBV	404369	454646	6.02%	0.530%
94	15.530	2240	2243	2245	rBV2	111580	148443	1.97%	0.173%
95	15.654	2259	2264	2270	rVB	905765	1401495	18.57%	1.634%
96	15.724	2271	2276	2281	rVV	1527881	2045615	27.10%	2.385%
97	15.789	2283	2287	2290	rVV	386857	565653	7.49%	0.660%
98	15.824	2290	2293	2300	rVB	504034	721365	9.56%	0.841%
99	17.424	2558	2565	2574	rVB2	621258	1316591	17.44%	1.535%
100	17.924	2644	2650	2663	rVB	438292	1050893	13.92%	1.225%

Sum of corrected areas: 85756626

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
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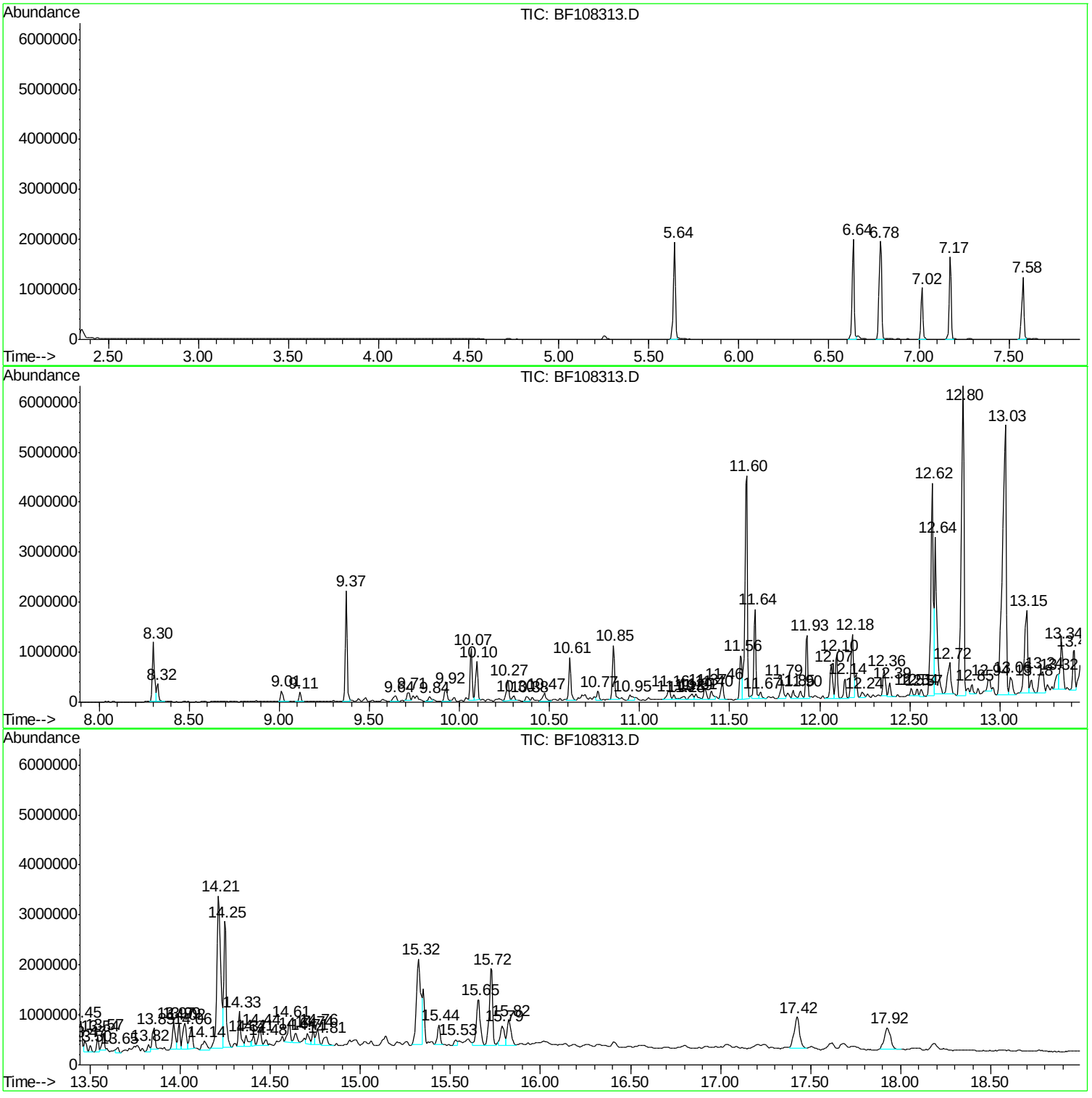
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
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Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

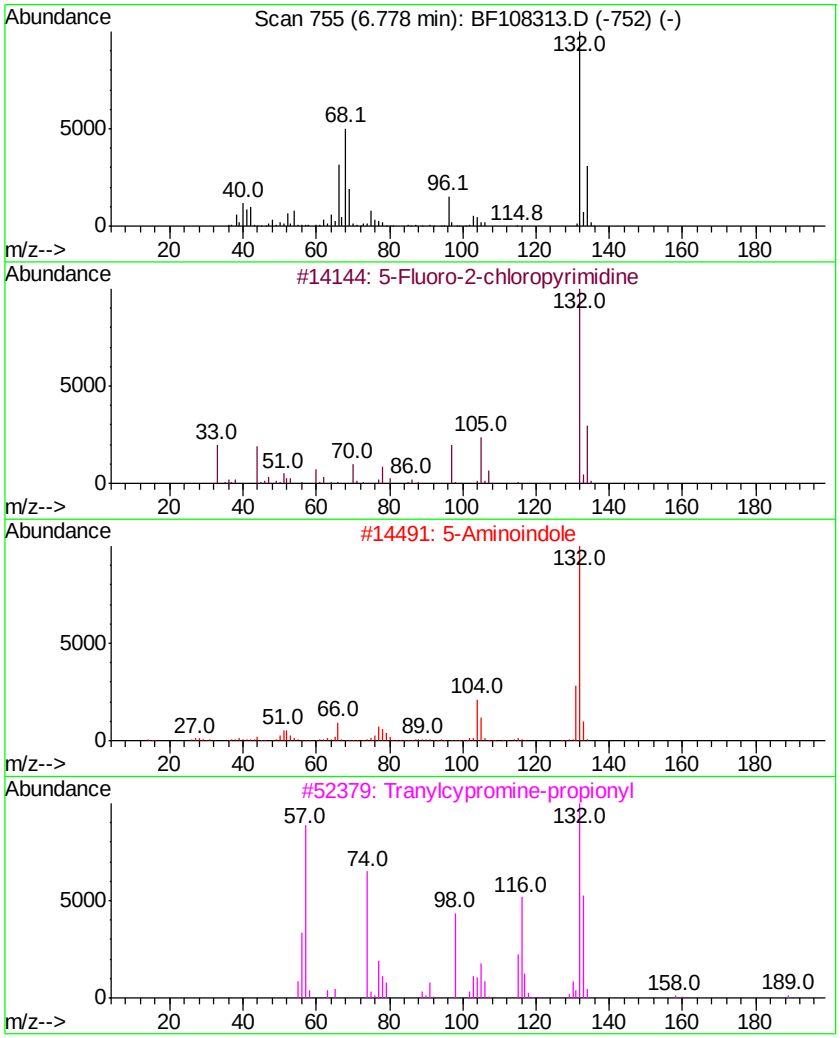
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

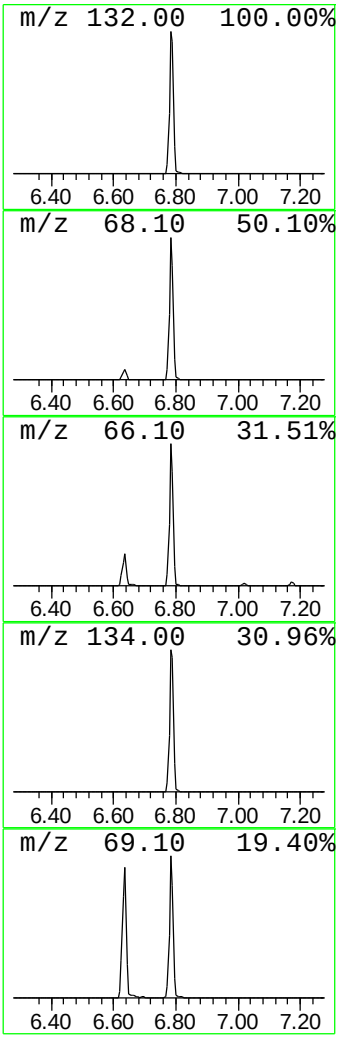
****

Peak Number 1 unknown6.78 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	41.61 ng	1763110	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

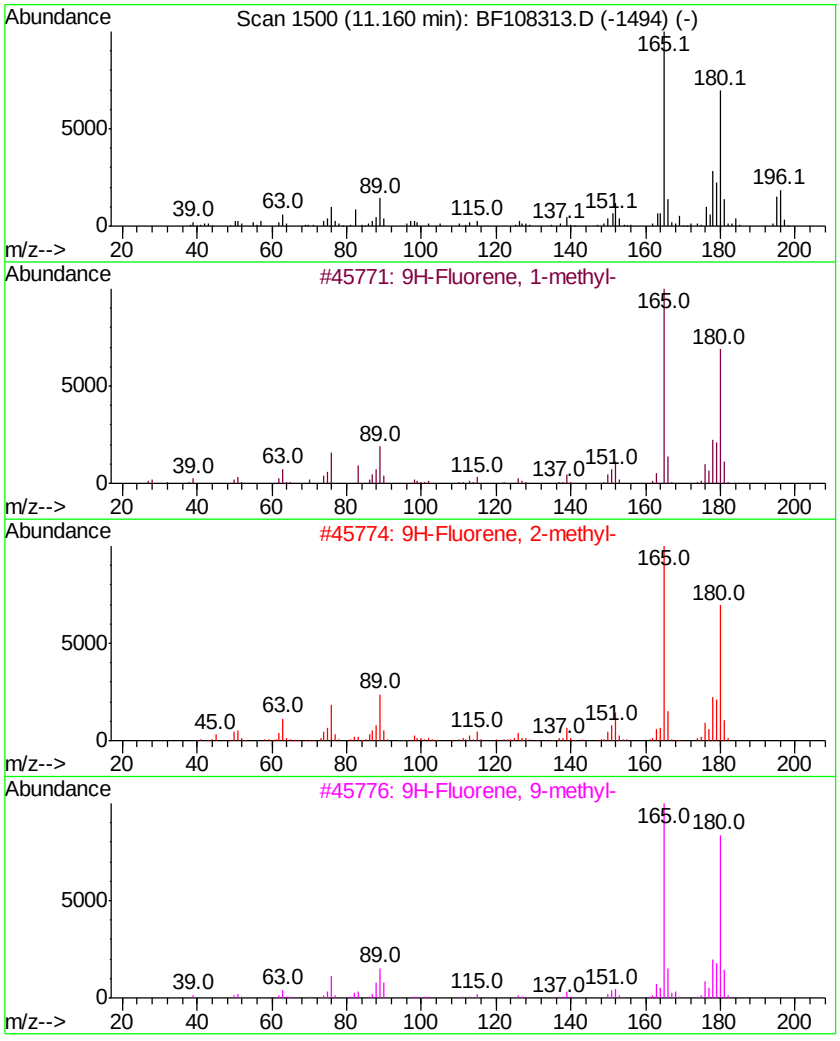
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

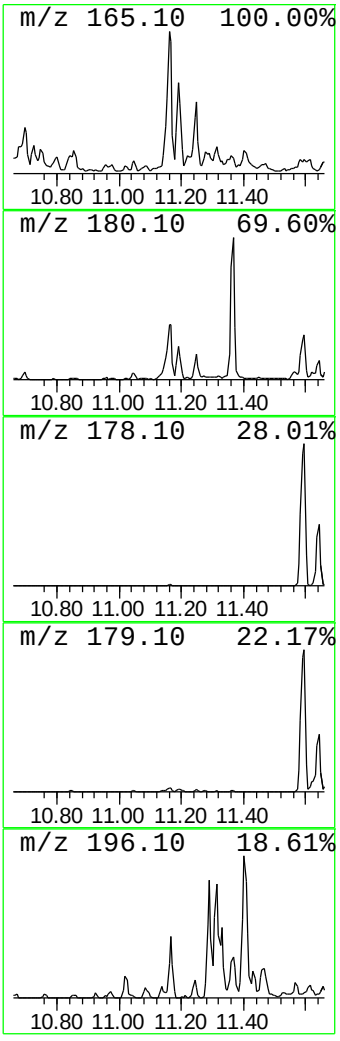
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	5.16 ng	236706	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	(E)-Stilbene	180	C14H12	000103-30-0	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
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Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

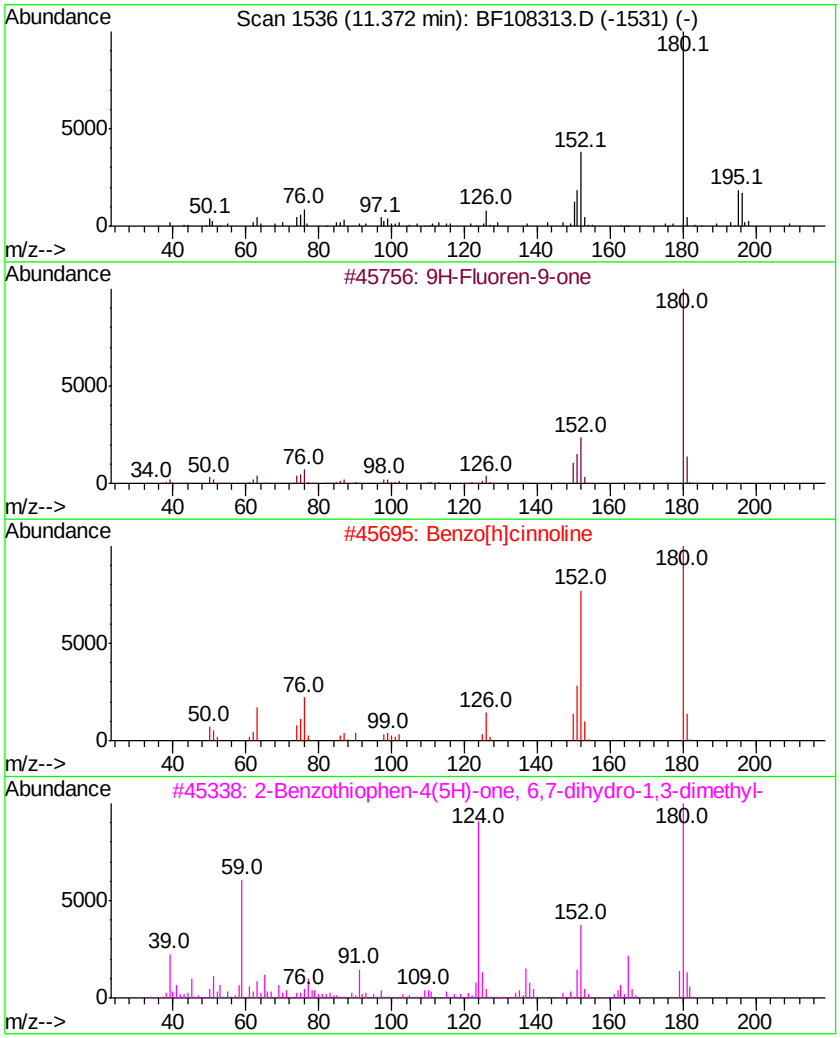
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

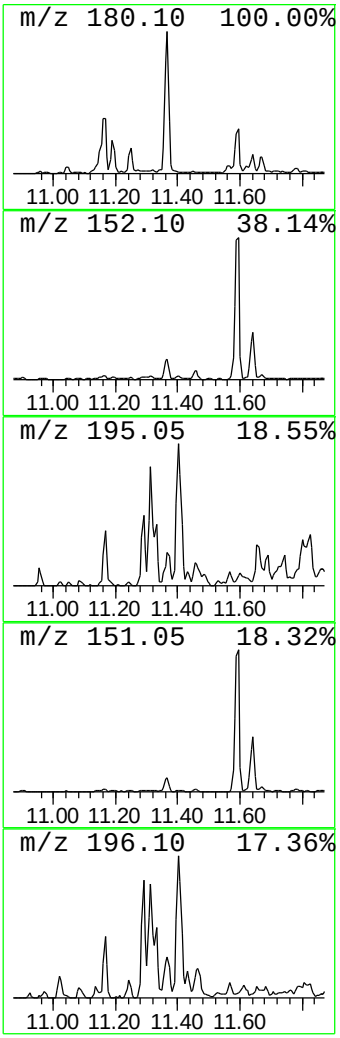
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	5.05 ng	231723	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	9H-Carbazole, 9-ethyl-	195	C14H13N	000086-28-2	47





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Misc :
ALS Vial : 25 Sample Multiplier: 1

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

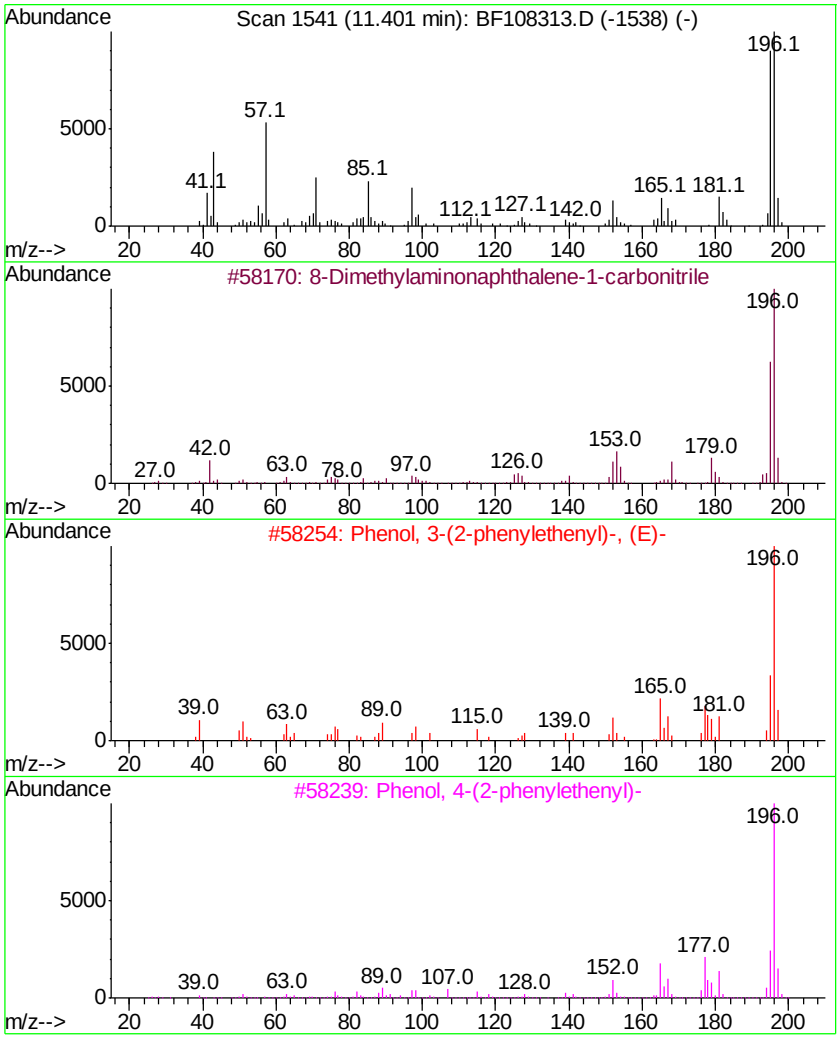
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

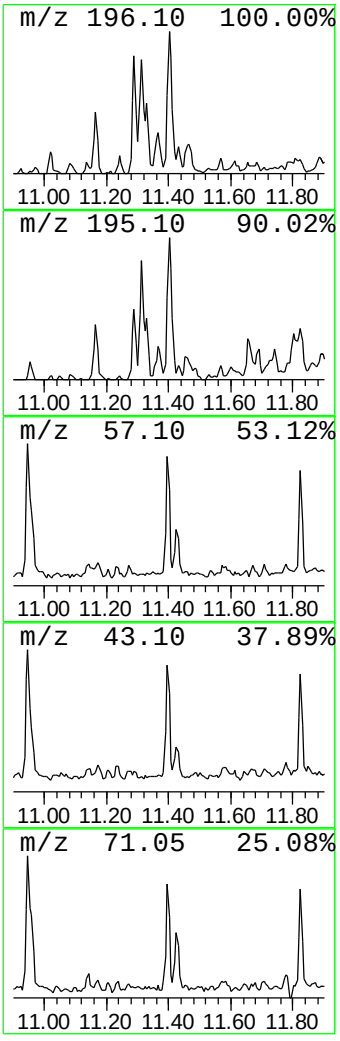
****

Peak Number 5 8-Dimethylaminonaphthalene-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	4.60 ng	211085	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	49





Library Search Compound Report

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Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

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

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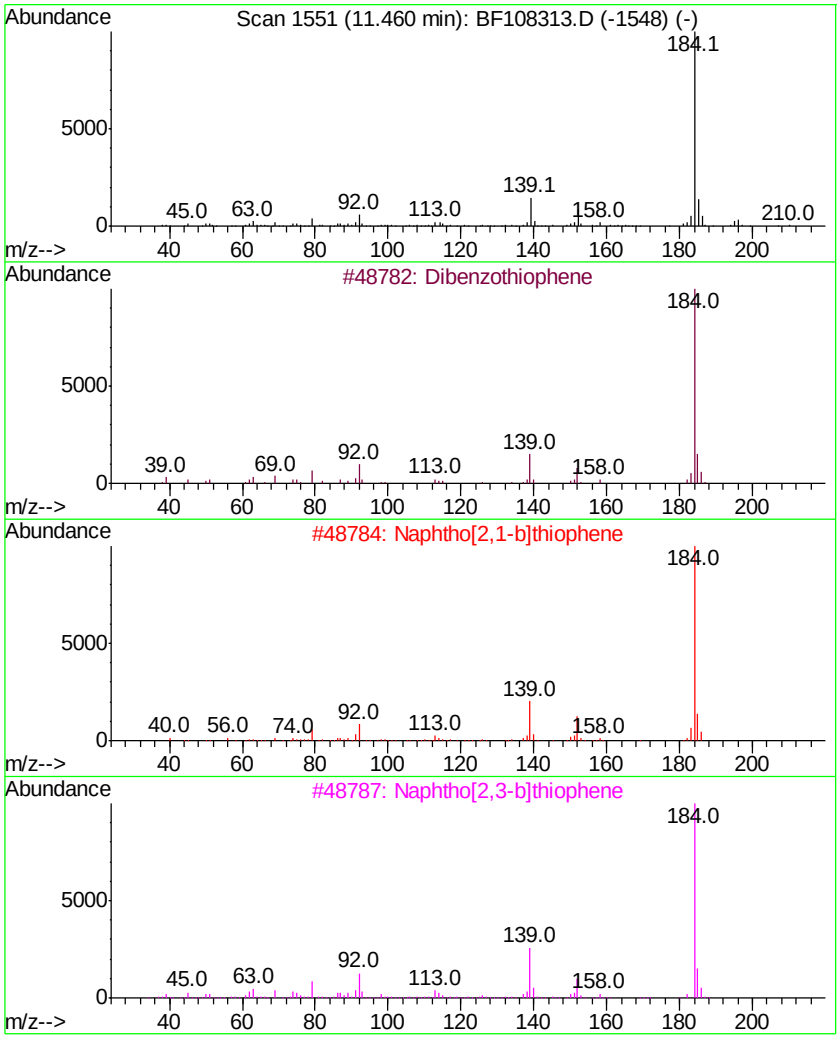
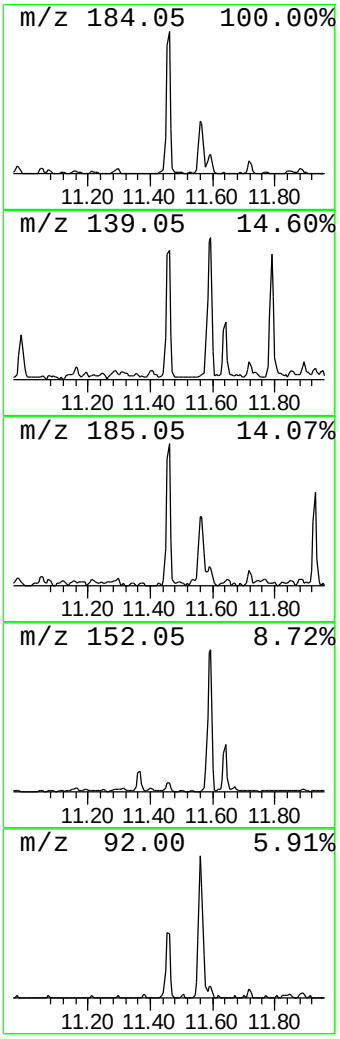
Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	6.78 ng	311025	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

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Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

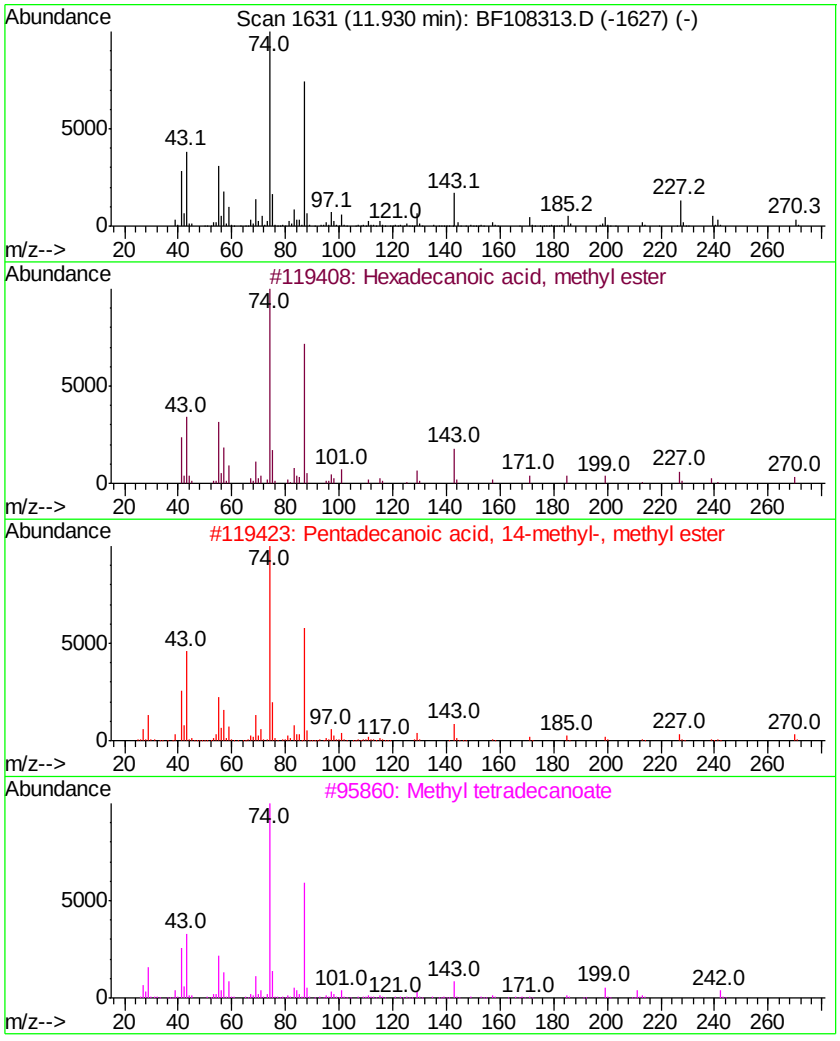
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

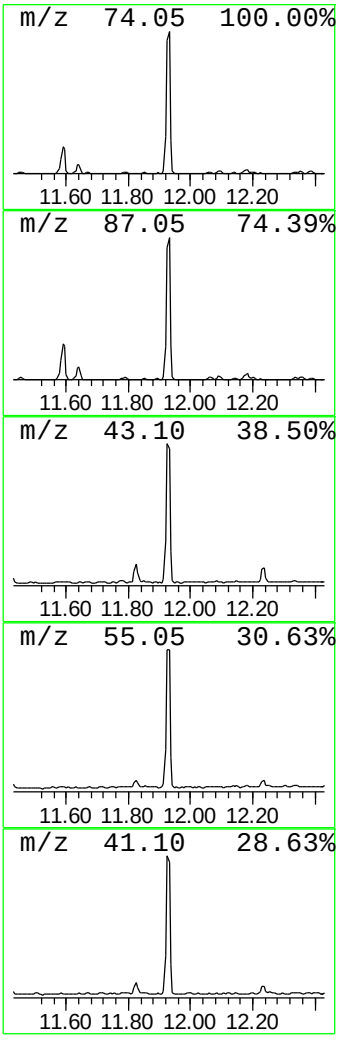
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	24.66 ng	1130640	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

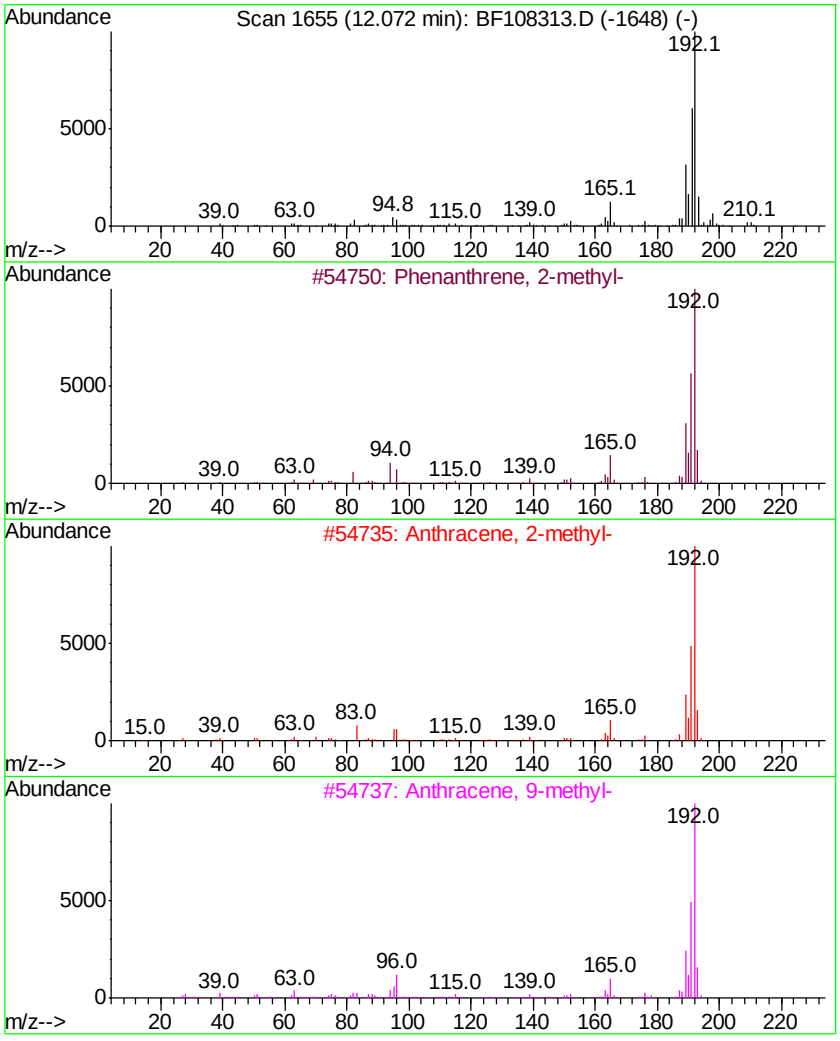
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

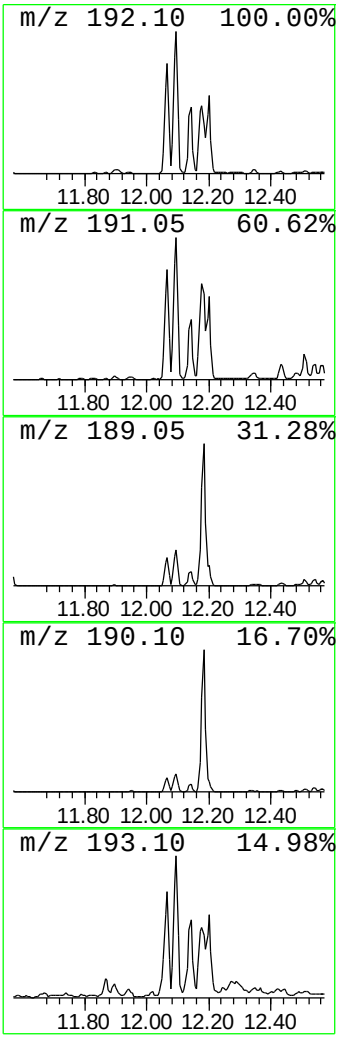
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	13.11 ng	600968	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

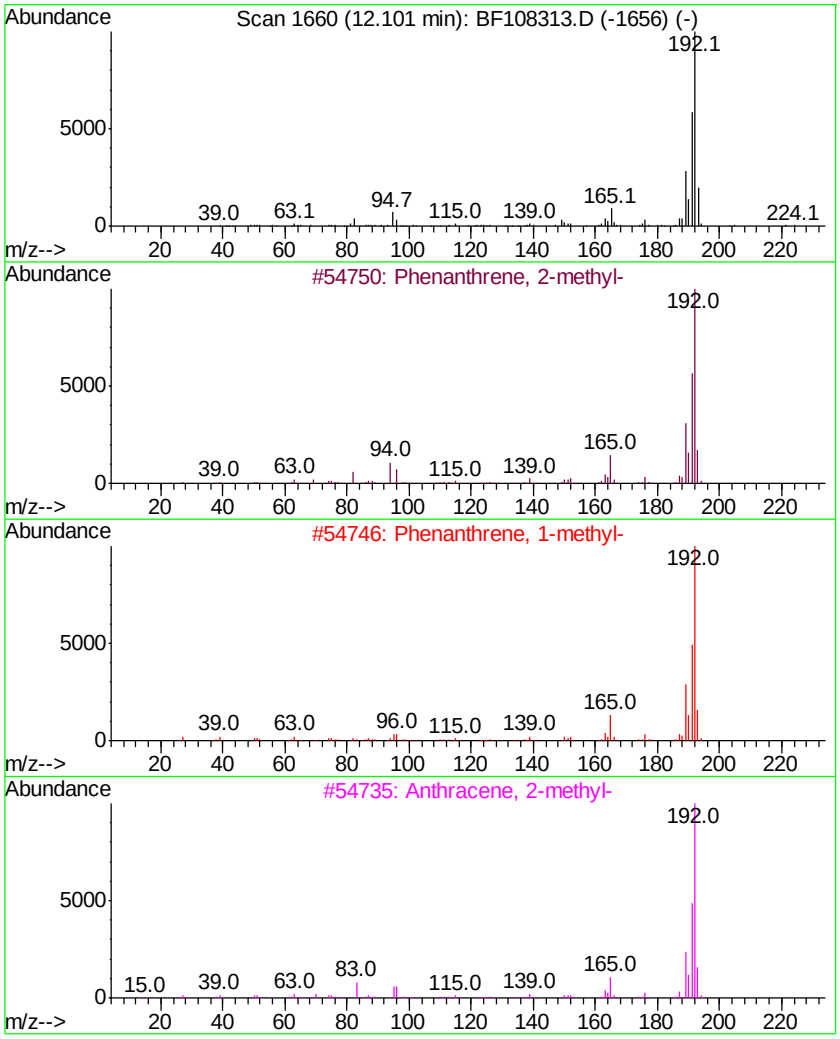
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

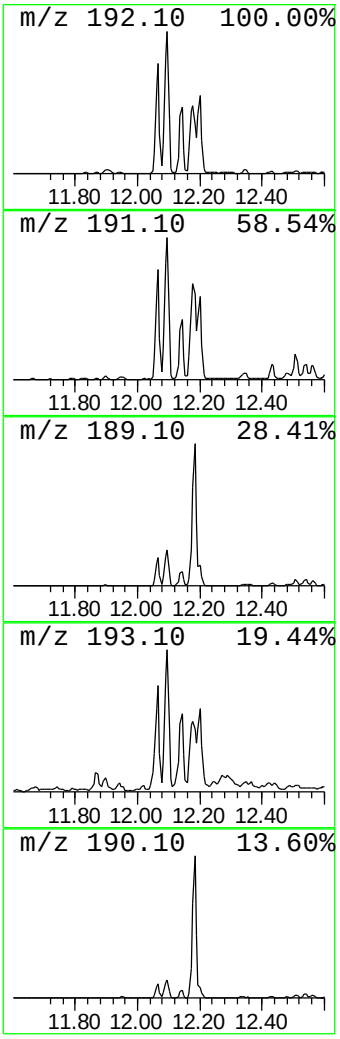
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	17.04 ng	781440	Phenanthrene-d10	11.56

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

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

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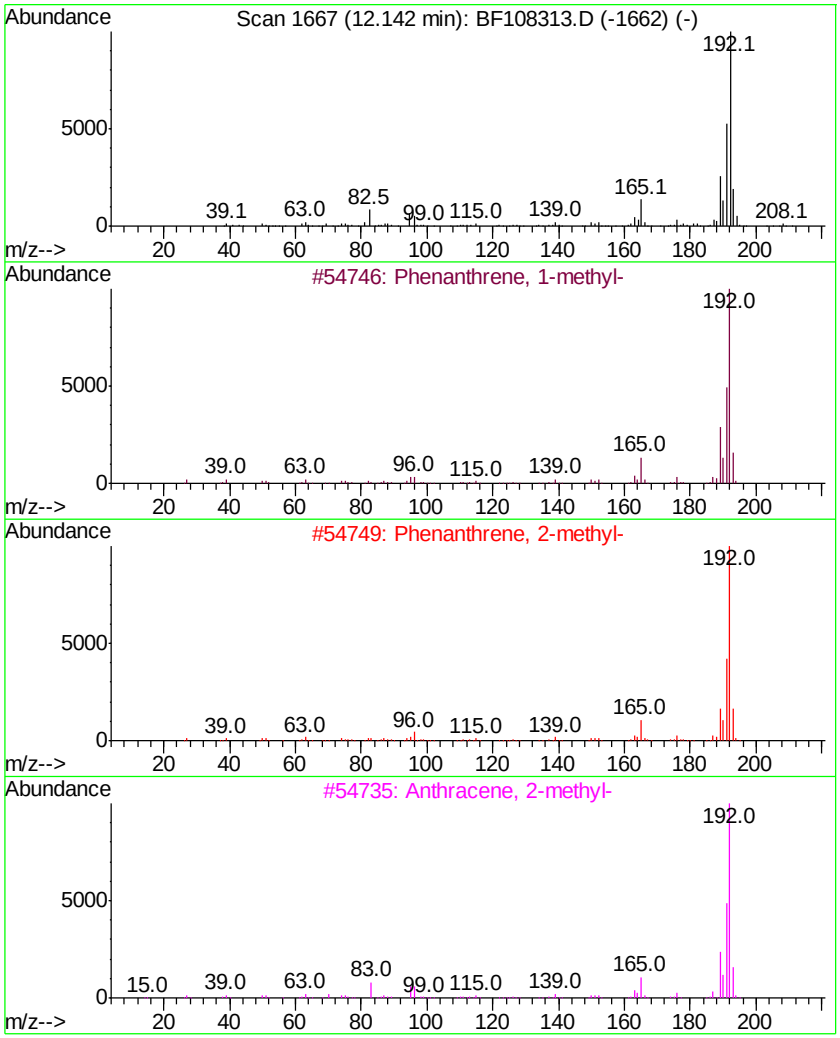
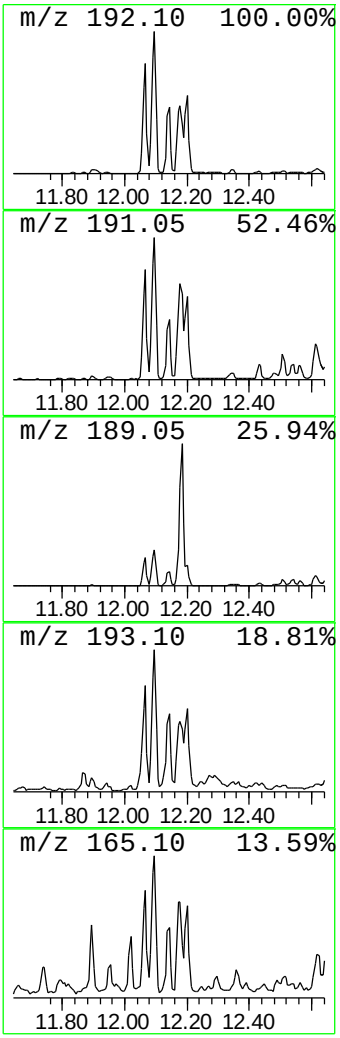
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	8.23 ng	377204	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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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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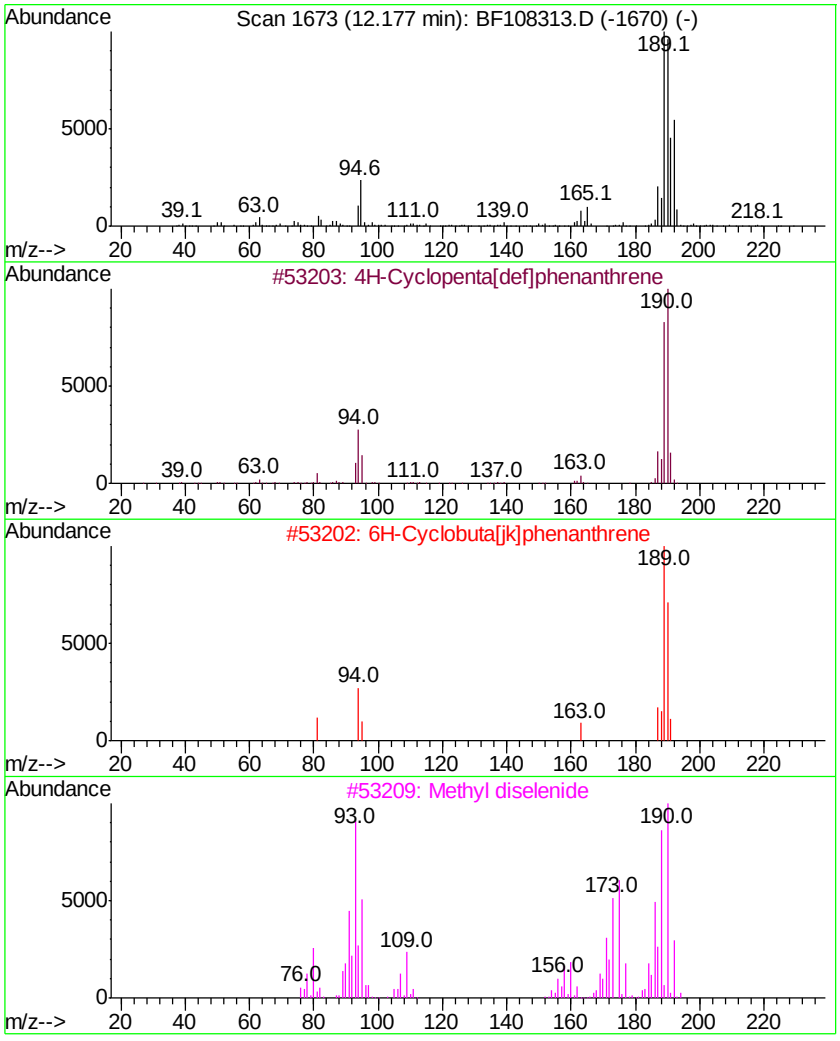
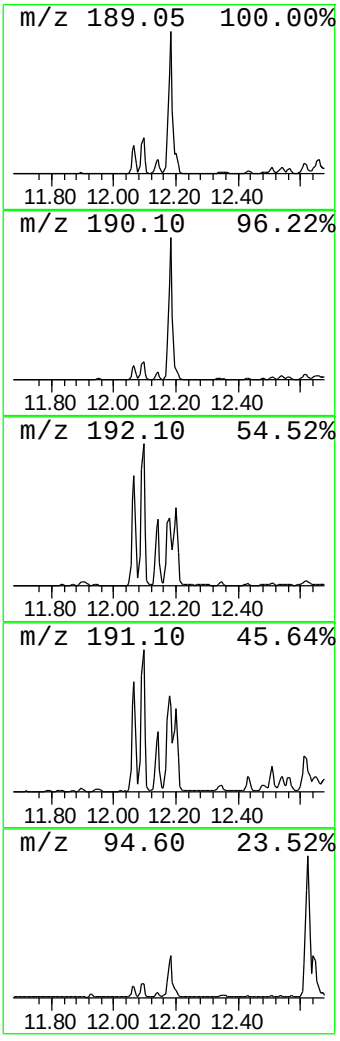
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	31.20 ng	1430510	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : JU/SJ
Sample : J4282-09
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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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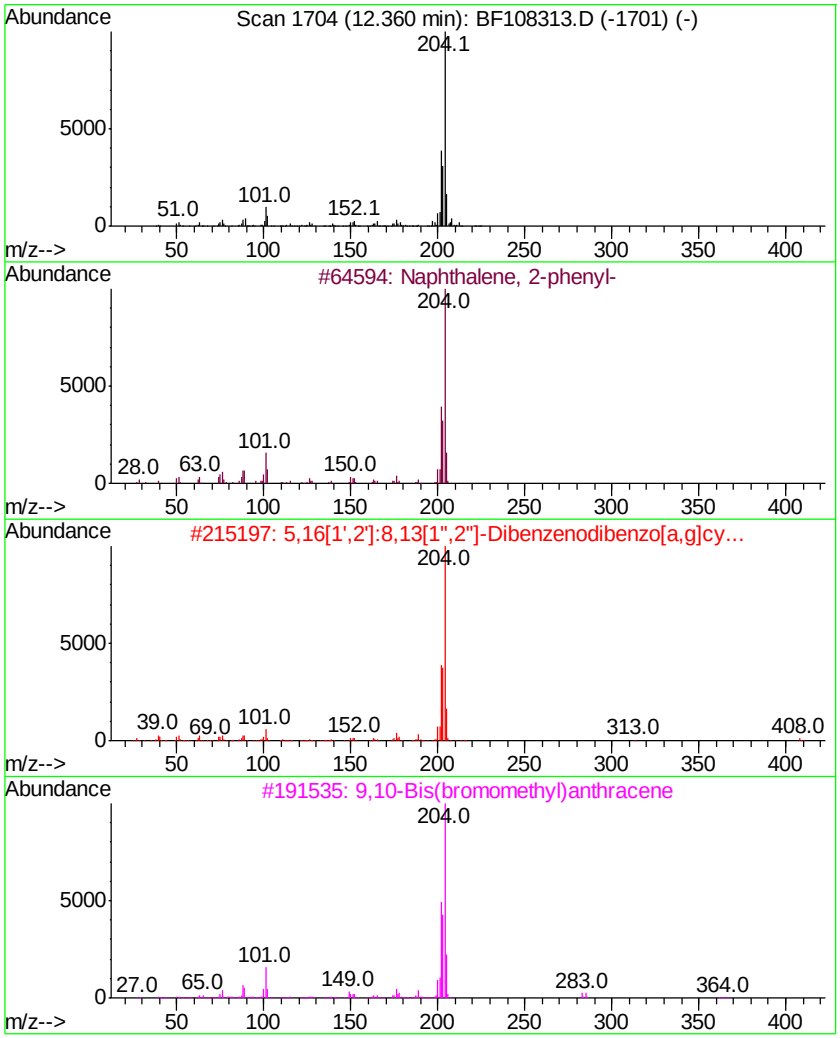
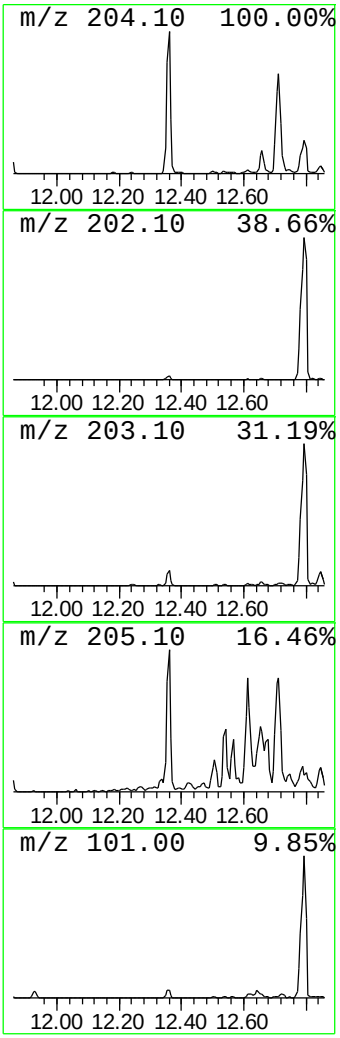
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	9.57 ng	438629	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

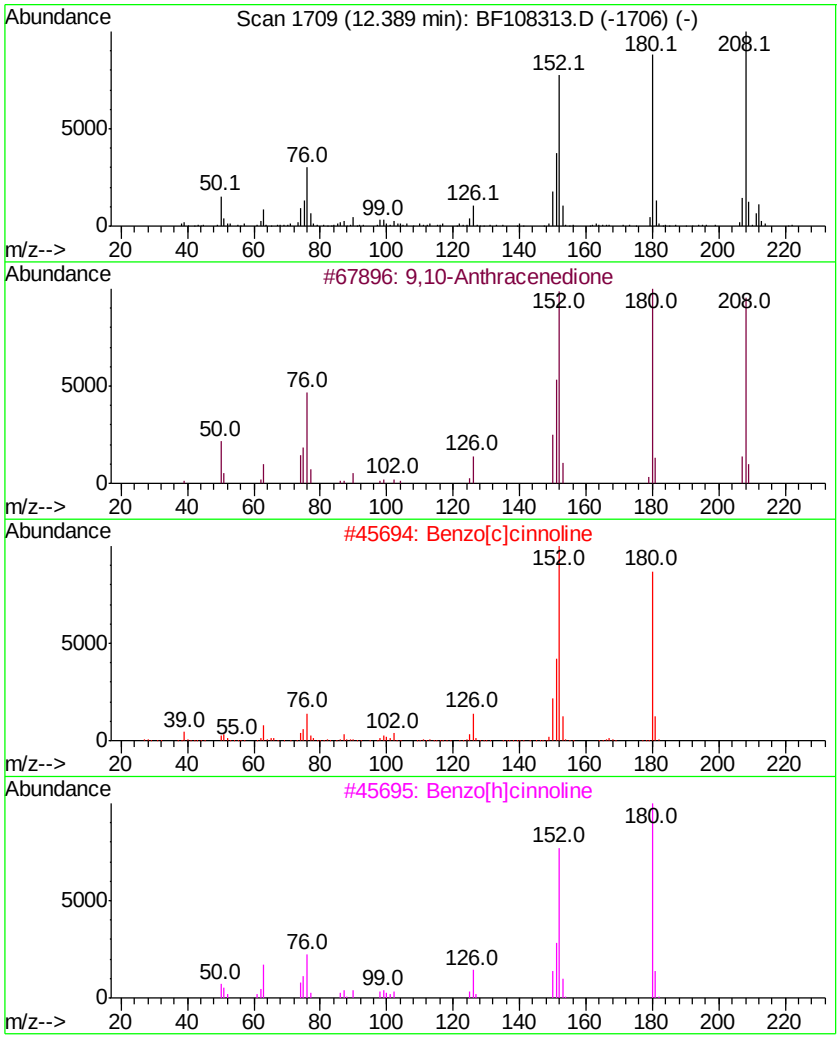
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

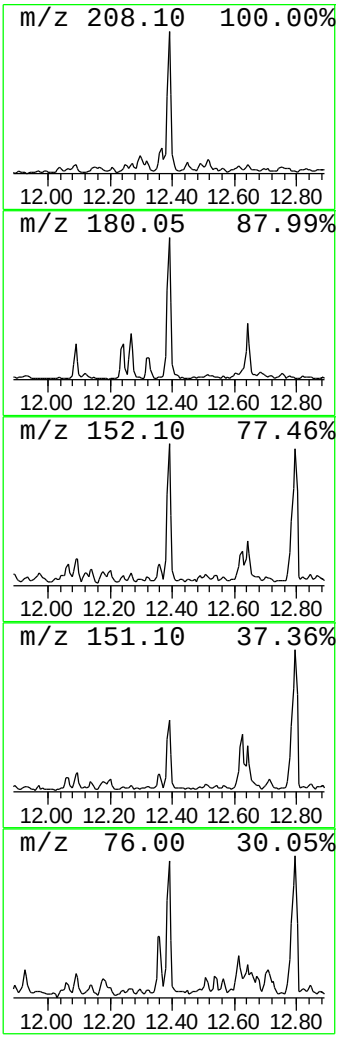
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.23 ng	239923	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58





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Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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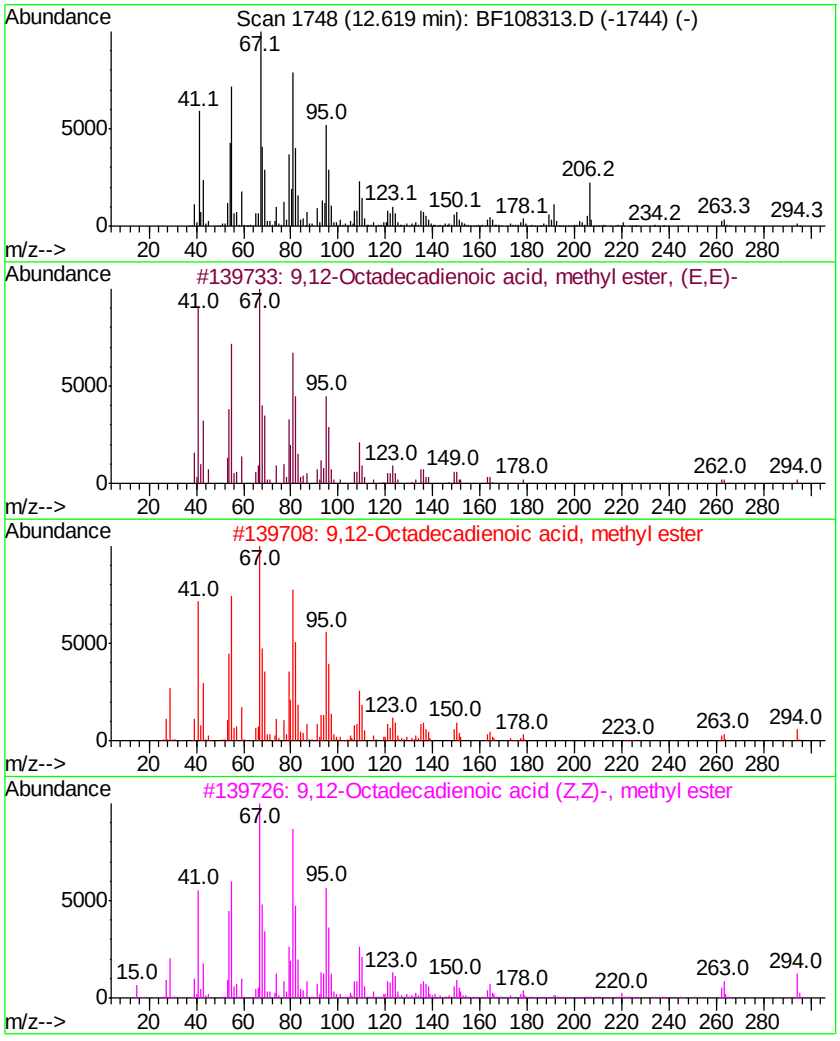
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

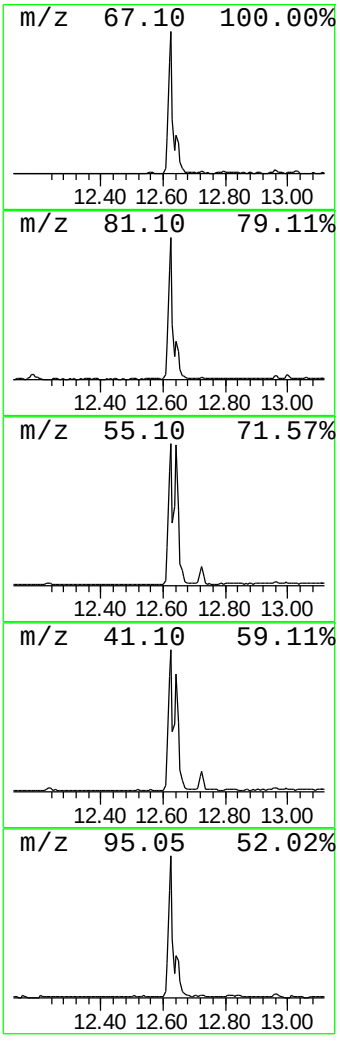
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	99.90 ng	4580870	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99





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Sample : J4282-09
Misc :
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ClientSampleId : SU-04-081718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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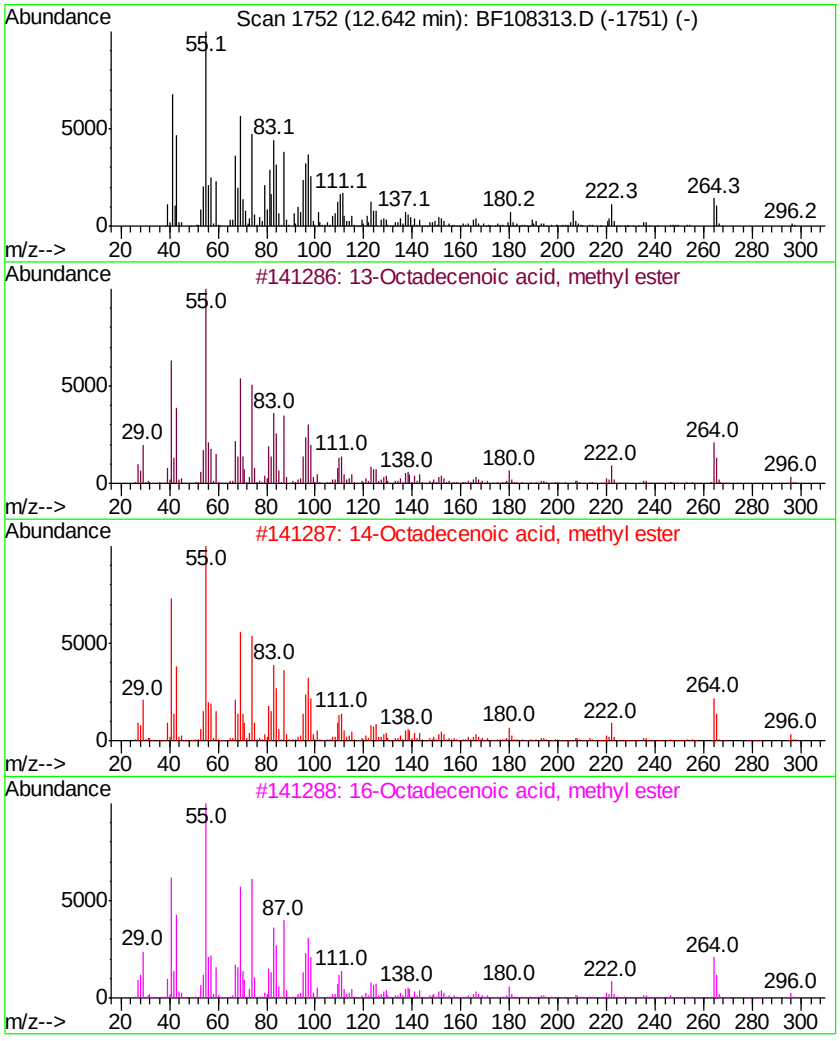
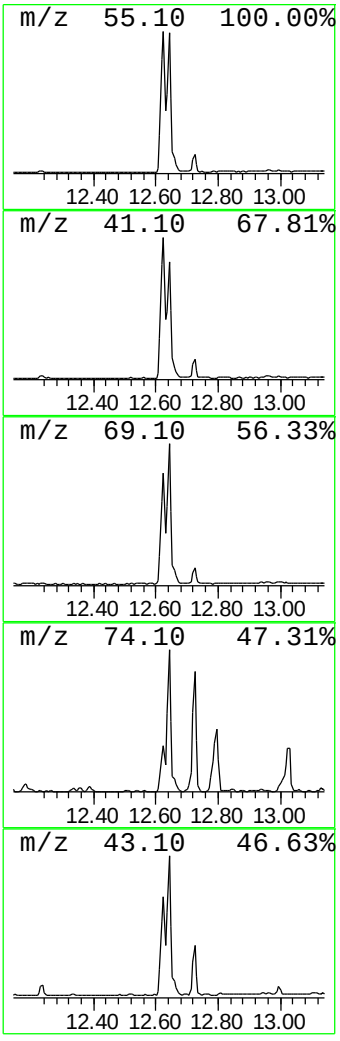
Peak Number 15 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	53.73 ng	2463670	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	97
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	95
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	94





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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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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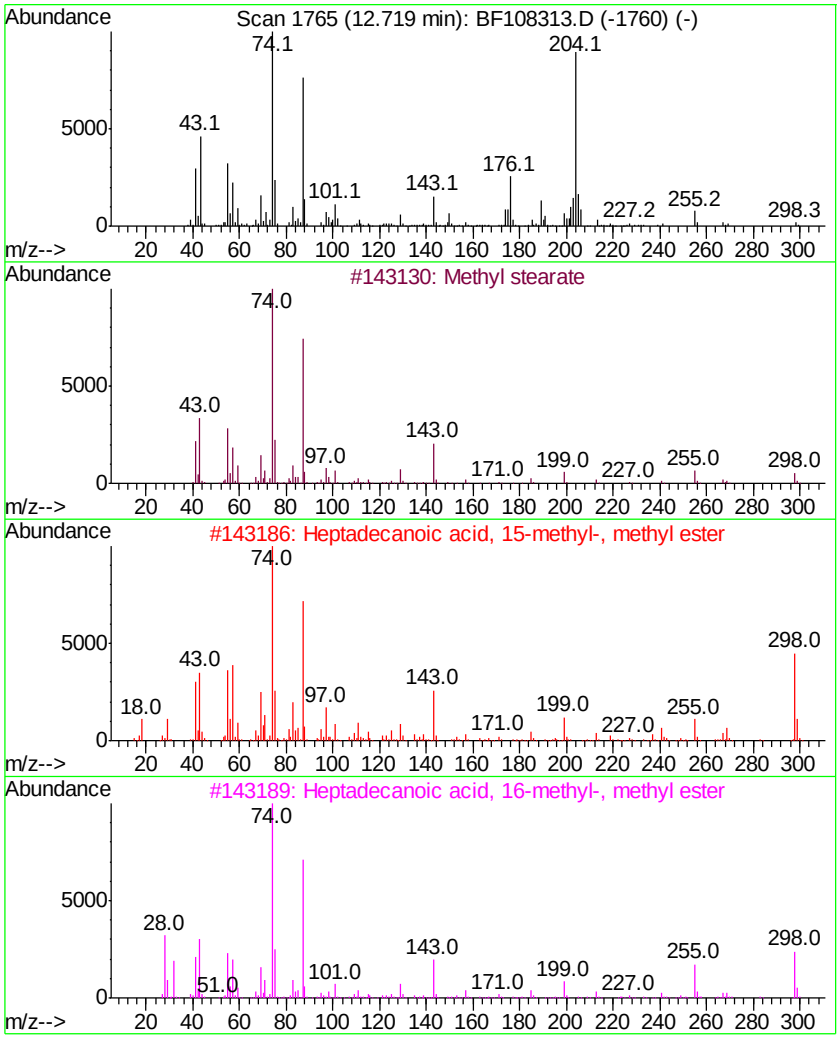
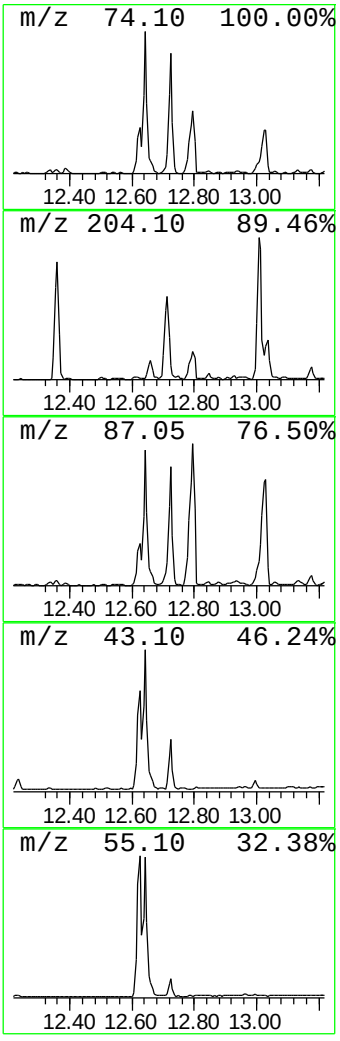
Peak Number 16 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	19.52 ng	894881	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	96
2	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	91
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	81
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	81





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Misc :
ALS Vial : 25 Sample Multiplier: 1

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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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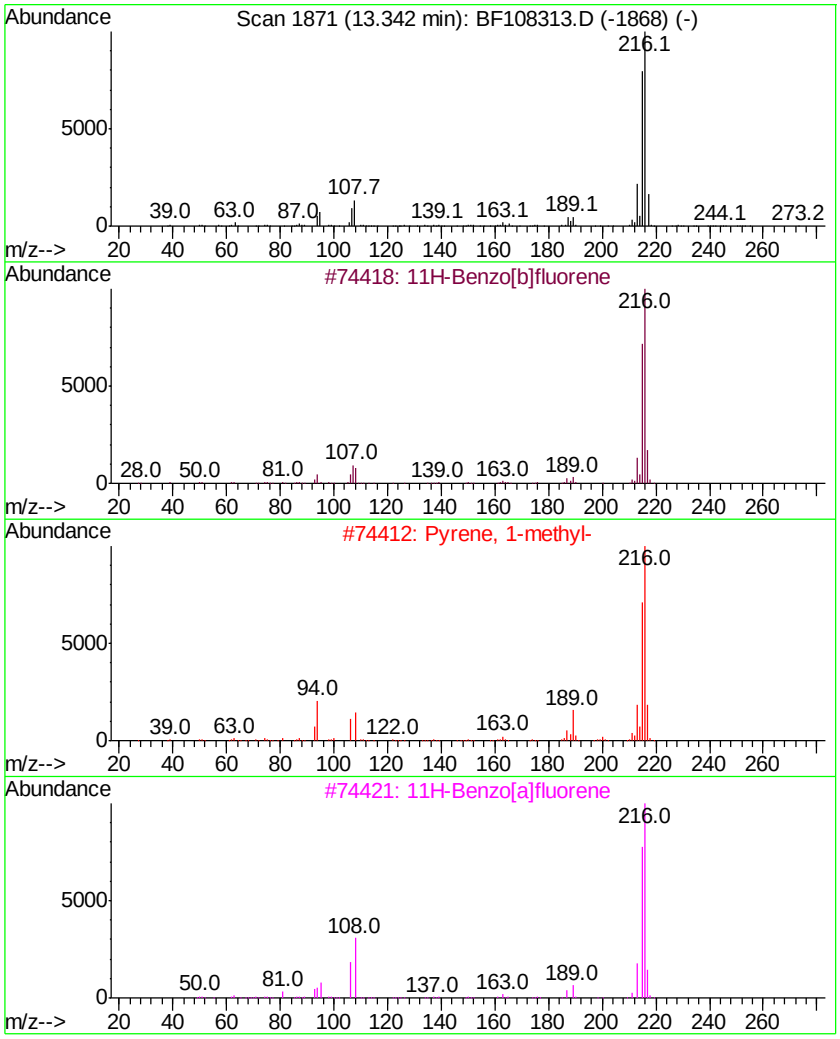
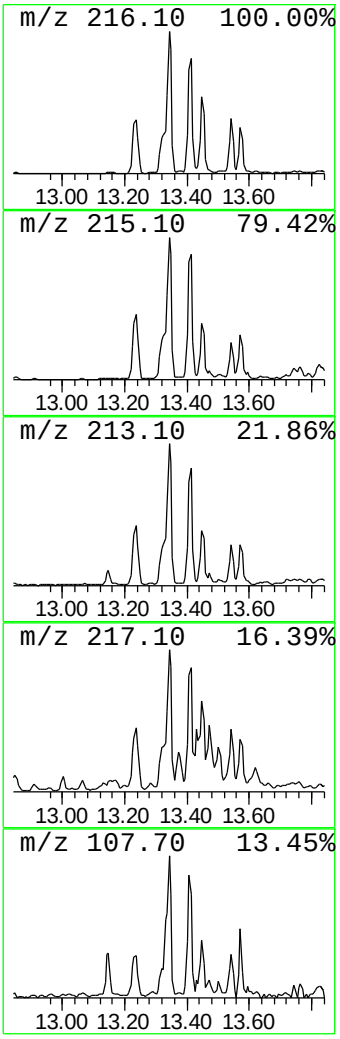
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	4.28 ng	959393	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

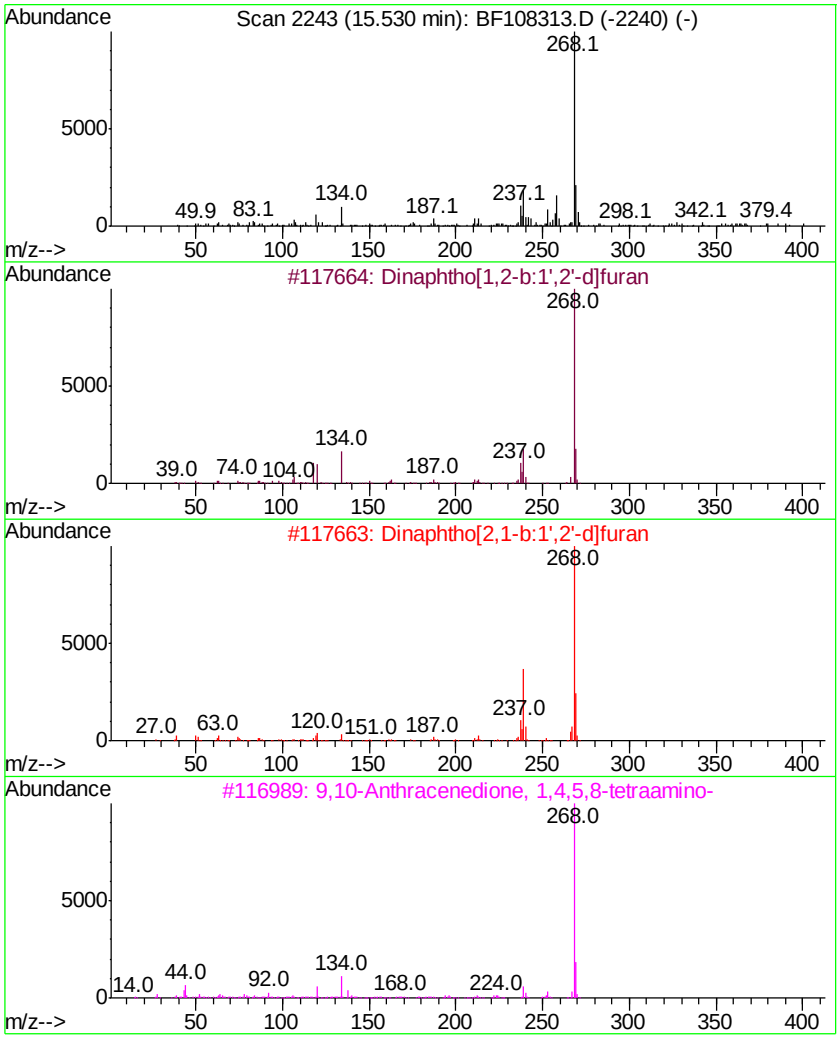
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

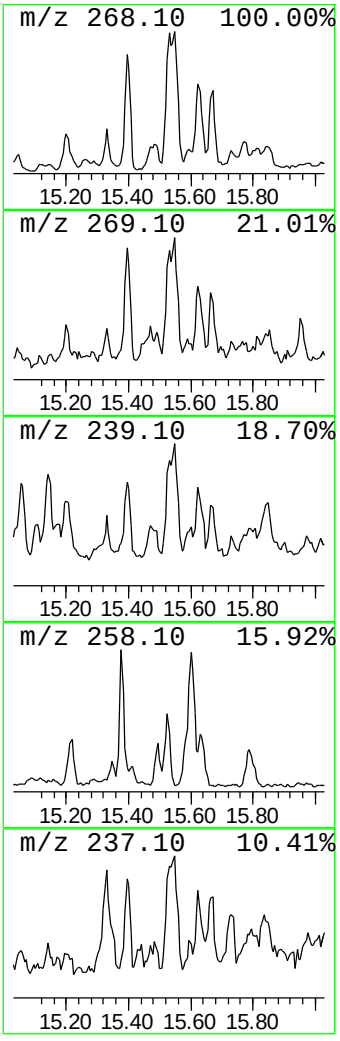
****

Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.25 ng	148443	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	80
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	68
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

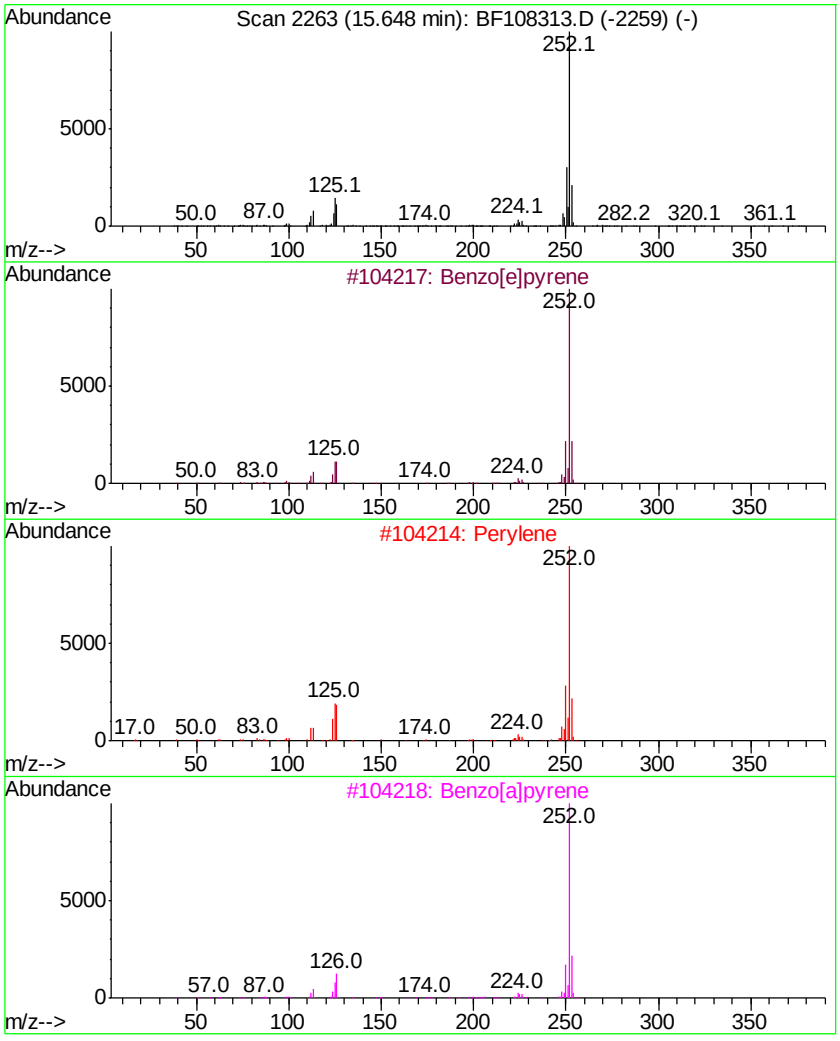
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

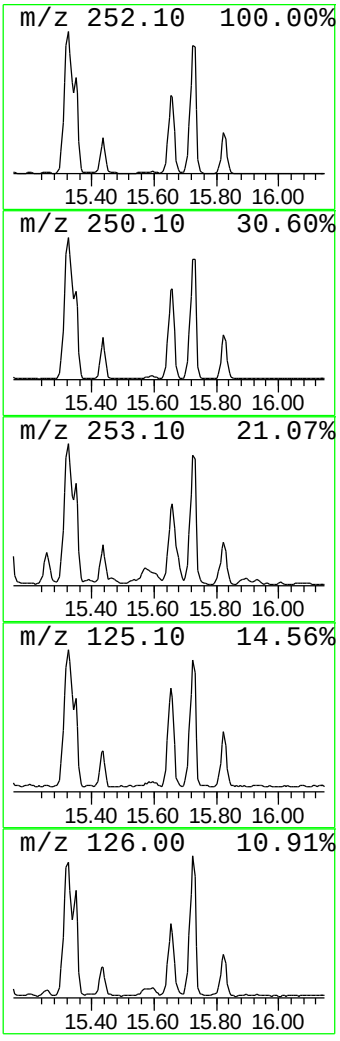
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	49.55 ng	1401500	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
Data File : BF108313.D
Acq On : 21 Aug 2018 1:43
Operator : JU/SJ
Sample : J4282-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-081718

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.78	6.78	41.6	ng	1763110	1	7.02	847389	20.0
9H-Fluorene, 1-me...	11.16	5.2	ng	236706	4	11.56	917071	20.0
9H-Fluoren-9-one	11.37	5.0	ng	231723	4	11.56	917071	20.0
8-Dimethylaminona...	11.40	4.6	ng	211085	4	11.56	917071	20.0
Dibenzothiophene	11.46	6.8	ng	311025	4	11.56	917071	20.0
Hexadecanoic acid...	11.93	24.7	ng	1130640	4	11.56	917071	20.0
Phenanthrene, 2-m...	12.07	13.1	ng	600968	4	11.56	917071	20.0
Anthracene, 2-met...	12.10	17.0	ng	781440	4	11.56	917071	20.0
Phenanthrene, 1-m...	12.14	8.2	ng	377204	4	11.56	917071	20.0
4H-Cyclopenta[def...	12.18	31.2	ng	1430510	4	11.56	917071	20.0
Naphthalene, 2-ph...	12.36	9.6	ng	438629	4	11.56	917071	20.0
9,10-Anthracenedione	12.39	5.2	ng	239923	4	11.56	917071	20.0
9,12-Octadecadien...	12.62	99.9	ng	4580870	4	11.56	917071	20.0
13-Octadecenoic a...	12.64	53.7	ng	2463670	4	11.56	917071	20.0
Methyl stearate	12.72	19.5	ng	894881	4	11.56	917071	20.0
11H-Benzo[b]fluorene	13.34	4.3	ng	959393	5	14.22	4482450	20.0
Dinaphtho[1,2-b:1...	15.53	5.3	ng	148443	6	15.79	565653	20.0
Benzo[e]pyrene	15.65	49.5	ng	1401500	6	15.79	565653	20.0