LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097575.D
Acq On : 10 Aug 2017 23:15
Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

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-BF072517.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	4.522	479	482	497	rBV	95111	195080	8.08%	0.415%
2	4.987	558	561	593	rBV	1650710	2413978	100.00%	5.141%
3	6.069	742	745	758	rBV	1988152	2285926	94.70%	4.868%
4	6.169	758	762	768	rVB	2027697	2224154	92.14%	4.737%
5	6.392	797	800	808	rBV	642119	650520	26.95%	1.385%
6	6.545	822	826	840	rBV	1700551	1630645	67.55%	3.473%
7	6.969	894	898	914	rBV	1251941	1432806	59.35%	3.051%
8	7.675	1014	1018	1020	rBV	1022313	892473	36.97%	1.901%
9	7.698	1020	1022	1031	rVB	269584	290156	12.02%	0.618%
10	8.386	1136	1139	1147	rVB	228271	220626	9.14%	0.470%
11	8.486	1152	1156	1162	rBV	178535	174276	7.22%	0.371%
12	8.751	1197	1201	1213	rBV	2153746	1953812	80.94%	4.161%
13	8.851	1215	1218	1223	rVB	93782	84851	3.51%	0.181%
14	9.016	1242	1246	1250	rBV2	88566	128558	5.33%	0.274%
15	9.086	1254	1258	1260	rVV	151741	152803	6.33%	0.325%
16	9.110	1260	1262	1267	rVV	99962	112700	4.67%	0.240%
17	9.157	1267	1270	1274	rVV	389114	327344	13.56%	0.697%
18	9.204	1274	1278	1285	rVB	81641	118133	4.89%	0.252%
19	9.280	1285	1291	1296	rBV	148158	144904	6.00%	0.309%
20	9.416	1310	1314	1317	rVV2	1011229	899088	37.25%	1.915%
21	9.451	1317	1320	1328	rVB	581881	565578	23.43%	1.204%
22	9.621	1344	1349	1354	rBV	360709	388713	16.10%	0.828%
23	9.739	1365	1369	1372	rBV2	75143	78754	3.26%	0.168%
24	9.963	1404	1407	1414	rVV	570404	517366	21.43%	1.102%
25	10.027	1414	1418	1420	rVV	68967	103425	4.28%	0.220%
26	10.045	1420	1421	1424	rVV	95147	76218	3.16%	0.162%
27	10.121	1432	1434	1440	rVB	128793	139853	5.79%	0.298%
28	10.210	1445	1449	1454	rVV	1079273	1173508	48.61%	2.499%
29	10.345	1461	1472	1477	rVV3	117831	202431	8.39%	0.431%
30	10.510	1492	1500	1503	rBV3	104988	177116	7.34%	0.377%
31	10.539	1503	1505	1508	rVV	74051	76560	3.17%	0.163%
32	10.639	1520	1522	1524	rVV	91619	101822	4.22%	0.217%
33	10.663	1524	1526	1528	rVV2	97665	95864	3.97%	0.204%
34	10.716	1531	1535	1538	rVV	152180	162145	6.72%	0.345%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.751	1538	1541	1544	rVV	112262	125914	5.22%	0.268%
36	10.786	1544	1547	1551	rVV	302268	312224	12.93%	0.665%
37	10.892	1561	1565	1567	rBV	720121	719140	29.79%	1.532%
38	10.921	1567	1570	1573	rVB	2459990	2291601	94.93%	4.880%
39	10.968	1573	1578	1582	rVB	855257	809243	33.52%	1.723%
40	11.016	1582	1586	1591	rBV2	112133	141446	5.86%	0.301%
41	11.139	1601	1607	1613	rBV	342503	437806	18.14%	0.932%
42	11.221	1617	1621	1623	rBV3	77785	109764	4.55%	0.234%
43	11.310	1632	1636	1639	rVB2	62974	81810	3.39%	0.174%
44	11.392	1647	1650	1653	rBV	360567	322138	13.34%	0.686%
45	11.421	1653	1655	1659	rVV	425638	384498	15.93%	0.819%
46	11.468	1659	1663	1666	rVV2	222814	270734	11.22%	0.577%
47	11.504	1666	1669	1671	rVV	523902	536637	22.23%	1.143%
48	11.527	1671	1673	1680	rVB	261760	246888	10.23%	0.526%
49	11.615	1685	1688	1694	rVB4	78449	101084	4.19%	0.215%
50	11.686	1698	1700	1703	rVV	171500	147664	6.12%	0.314%
51	11.733	1705	1708	1711	rBV	143120	128912	5.34%	0.275%
52	11.945	1740	1744	1746	rBV	204553	209870	8.69%	0.447%
53	11.980	1746	1750	1752	rVV2	113641	141914	5.88%	0.302%
54	12.039	1756	1760	1763	rVB2	166250	188626	7.81%	0.402%
55	12.104	1766	1771	1774	rBV	2178633	2137028	88.53%	4.551%
56	12.251	1791	1796	1800	rBV3	146142	204680	8.48%	0.436%
57	12.327	1803	1809	1812	rBV	1878681	2163112	89.61%	4.607%
58	12.380	1815	1818	1823	rVB3	123517	177920	7.37%	0.379%
59	12.451	1826	1830	1831	rBV2	138404	123384	5.11%	0.263%
60	12.474	1831	1834	1837	rVV	1058776	973125	40.31%	2.072%
61	12.551	1841	1847	1850	rBV3	190444	295026	12.22%	0.628%
62	12.633	1858	1861	1862	rBV2	149573	145805	6.04%	0.311%
63	12.657	1862	1865	1869	rVB	365838	372867	15.45%	0.794%
64	12.721	1873	1876	1879	rVB	254533	223918	9.28%	0.477%
65	12.757	1879	1882	1887	rBV2	282682	357272	14.80%	0.761%
66	12.851	1895	1898	1901	rBV	135961	127153	5.27%	0.271%
67	12.880	1901	1903	1910	rVB2	133306	143293	5.94%	0.305%
68	13.174	1950	1953	1956	rVV	187745	178448	7.39%	0.380%
69	13.274	1966	1970	1971	rBV	189440	221195	9.16%	0.471%
70	13.292	1971	1973	1976	rVV2	199041	187859	7.78%	0.400%
71	13.321	1976	1978	1980	rVV	146131	123043	5.10%	0.262%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.345	1980	1982	1985	rVB2	121941	110586	4.58%	0.236%
73	13.392	1986	1990	1994	rBV3	273311	358383	14.85%	0.763%
74	13.515	2005	2011	2014	rBV2	1237400	1817890	75.31%	3.871%
75	13.551	2014	2017	2020	rVB	940377	966231	40.03%	2.058%
76	13.621	2027	2029	2034	rVB	131251	131324	5.44%	0.280%
77	13.680	2037	2039	2043	rVV3	89251	138557	5.74%	0.295%
78	13.733	2045	2048	2051	rVV2	107983	147266	6.10%	0.314%
79	13.762	2051	2053	2058	rVB2	97287	95451	3.95%	0.203%
80	13.909	2073	2078	2081	rVV2	291426	399081	16.53%	0.850%
81	13.945	2081	2084	2086	rVV2	140099	157779	6.54%	0.336%
82	13.986	2087	2091	2093	rVV4	104388	181773	7.53%	0.387%
83	14.033	2097	2099	2101	rVV2	136153	156884	6.50%	0.334%
84	14.051	2101	2102	2105	rVV	140897	102628	4.25%	0.219%
85	14.080	2105	2107	2109	rVV3	78524	90709	3.76%	0.193%
86	14.104	2109	2111	2117	rVB4	91711	113292	4.69%	0.241%
87	14.239	2132	2134	2139	rVB3	120300	141196	5.85%	0.301%
88	14.368	2153	2156	2157	rBV	92577	91591	3.79%	0.195%
89	14.392	2157	2160	2163	rVB2	117190	128550	5.33%	0.274%
90	14.521	2177	2182	2190	rBV	975985	1699914	70.42%	3.620%
91	14.609	2194	2197	2201	rVB	187426	194465	8.06%	0.414%
92	14.762	2219	2223	2228	rBV	498631	524820	21.74%	1.118%
93	14.815	2228	2232	2235	rVV	729807	730003	30.24%	1.555%
94	14.862	2237	2240	2243	rVV	474619	544720	22.57%	1.160%
95	14.892	2243	2245	2252	rVB2	265209	331019	13.71%	0.705%
96	16.050	2436	2442	2451	rBV2	306785	740026	30.66%	1.576%
97	16.233	2468	2473	2480	rBV3	61352	126846	5.25%	0.270%
98	16.403	2497	2502	2510	rBV	196119	373029	15.45%	0.794%
99	16.603	2532	2536	2546	rVB3	93815	230101	9.53%	0.490%
100	18.197	2802	2807	2817	rVB2	28961	76671	3.18%	0.163%

Sum of corrected areas: 46956012

LSC Report - Integrated Chromatogram

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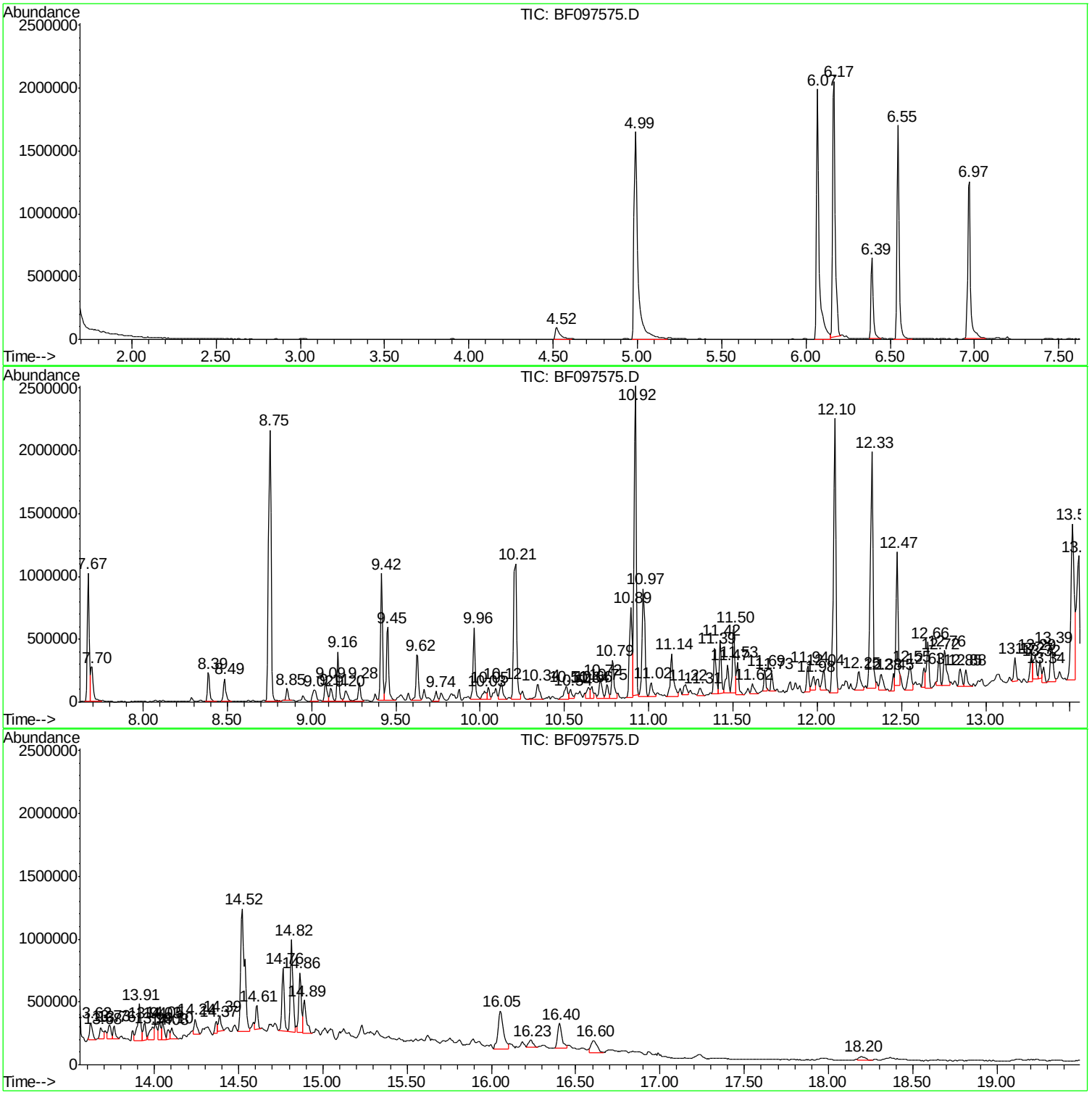
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

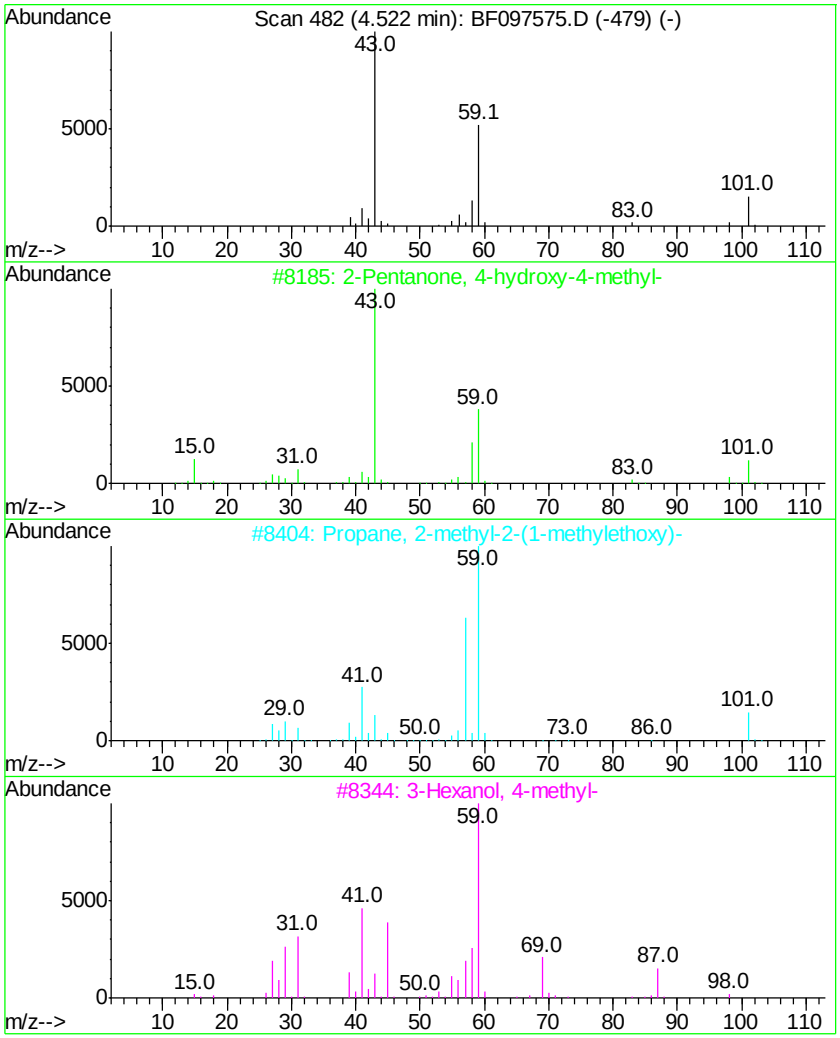
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

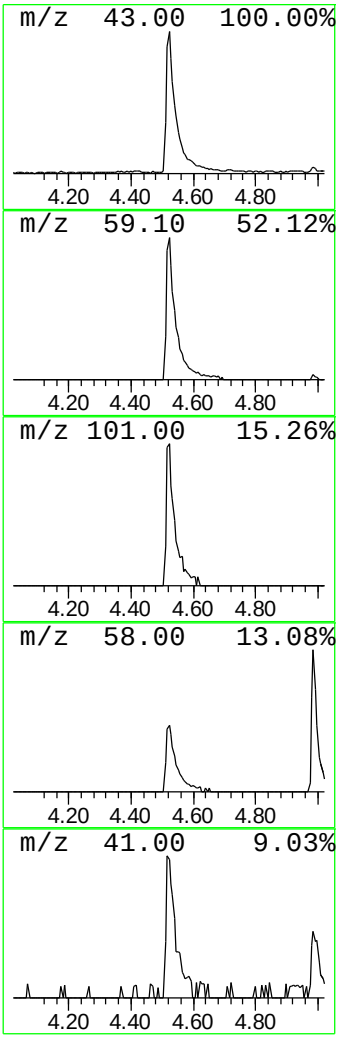
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.52	6.00 ng	195080	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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Acq On : 10 Aug 2017 23:15
Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

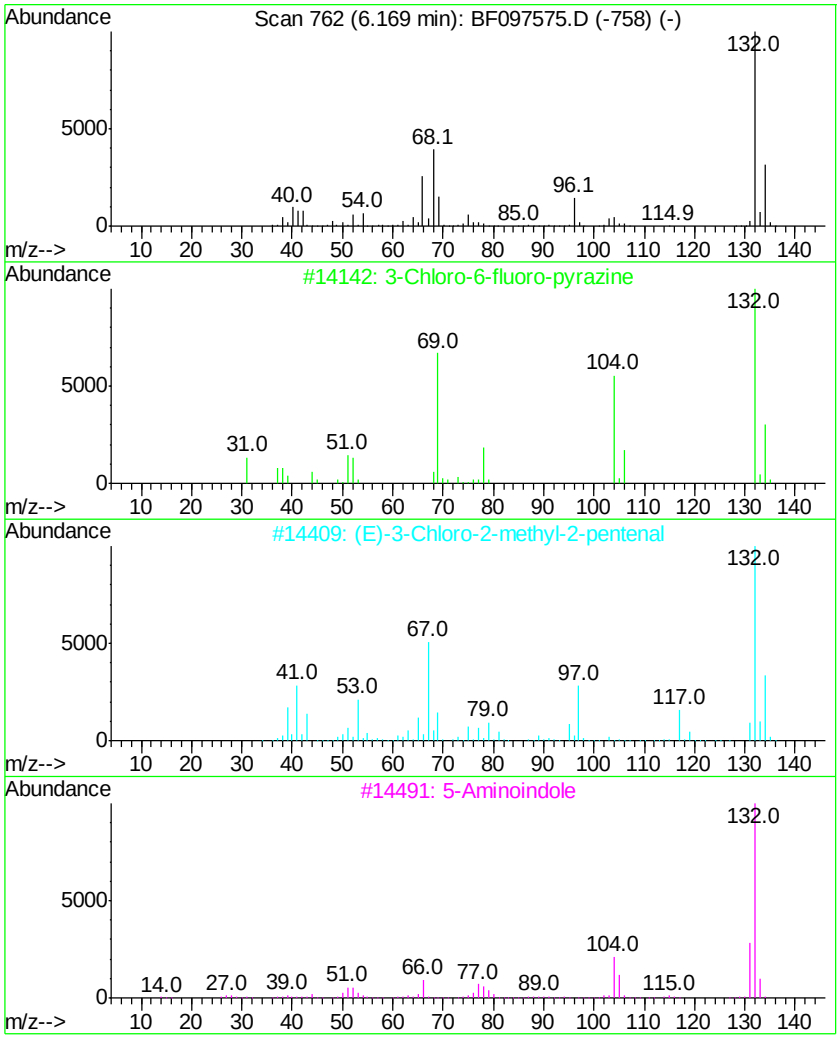
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

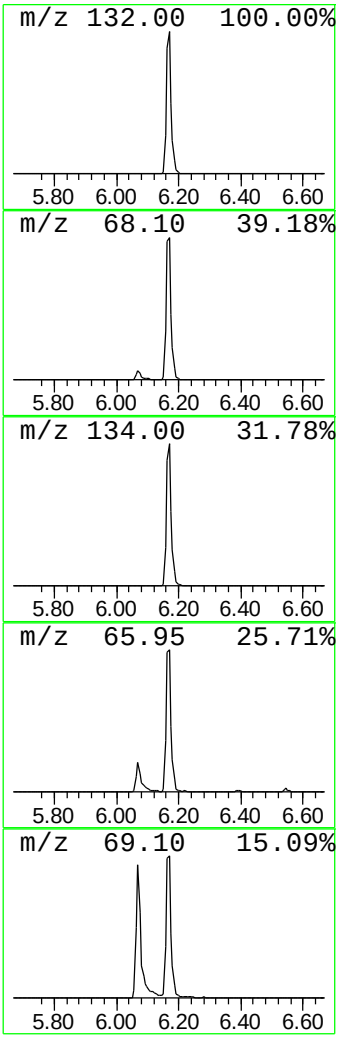
****

Peak Number 2 unknown6.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	68.38 ng	2224150	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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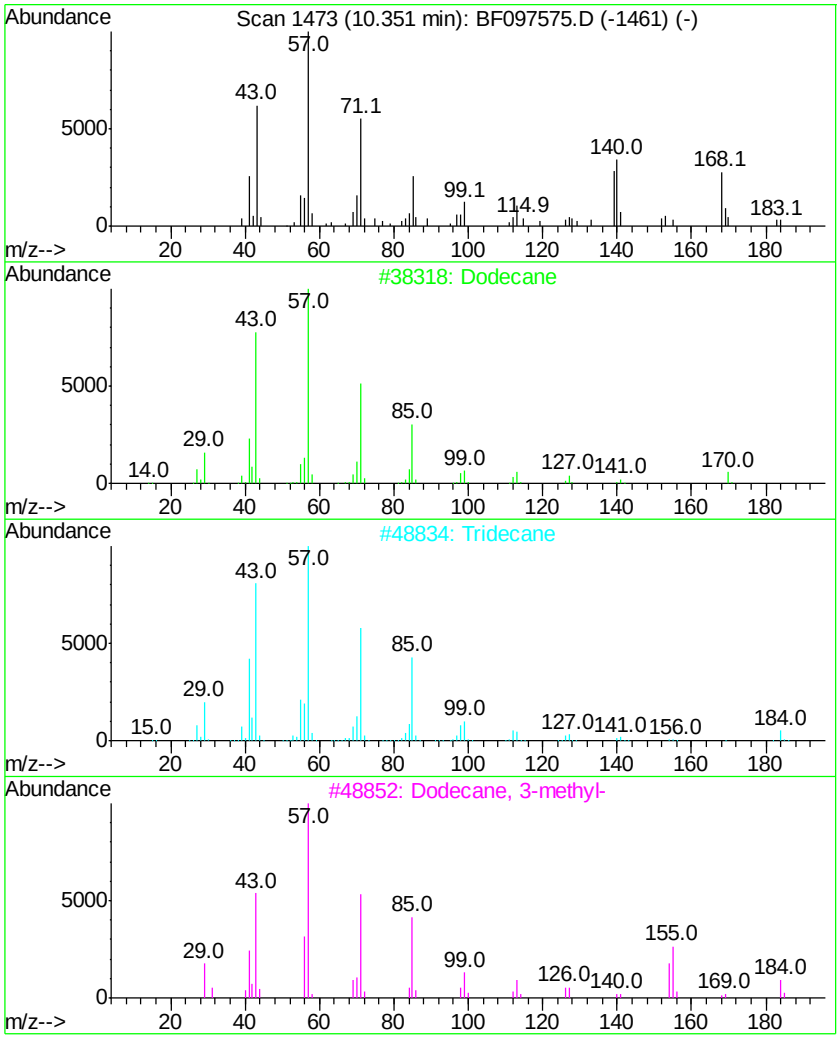
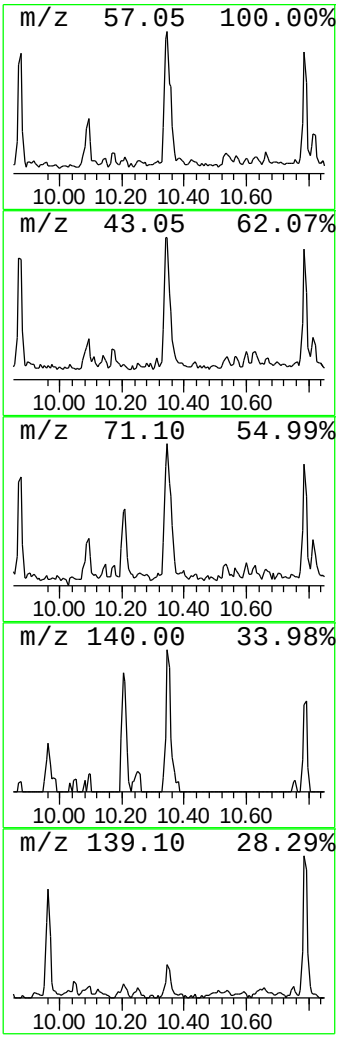
Peak Number 4 Dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	5.63 ng	202431	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	55
2	Tridecane	184	C13H28	000629-50-5	50
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
4	Octadecane	254	C18H38	000593-45-3	46
5	Pentadecane	212	C15H32	000629-62-9	46





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Data File : BF097575.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

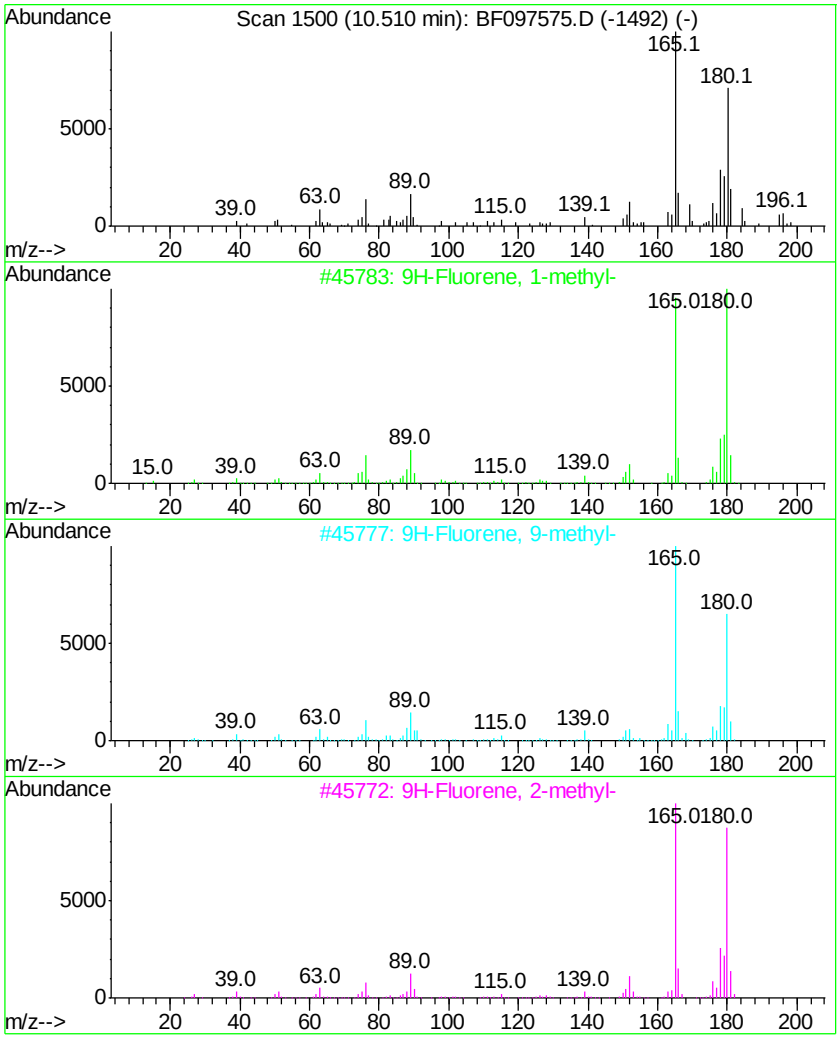
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

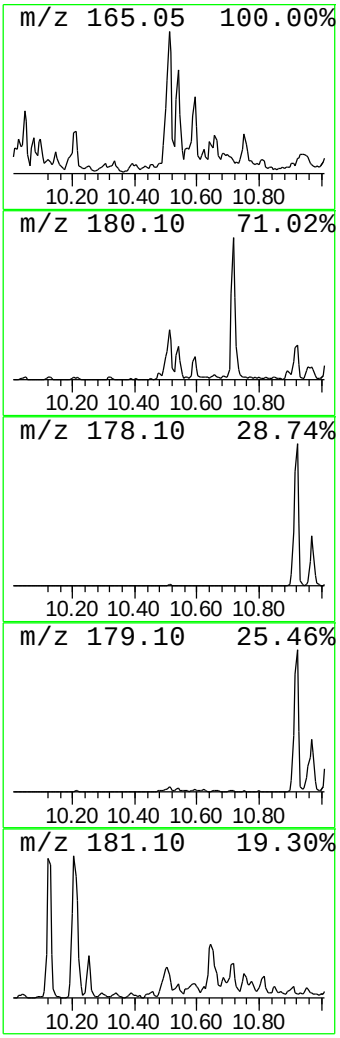
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.93 ng	177116	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097575.D
Acq On : 10 Aug 2017 23:15
Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

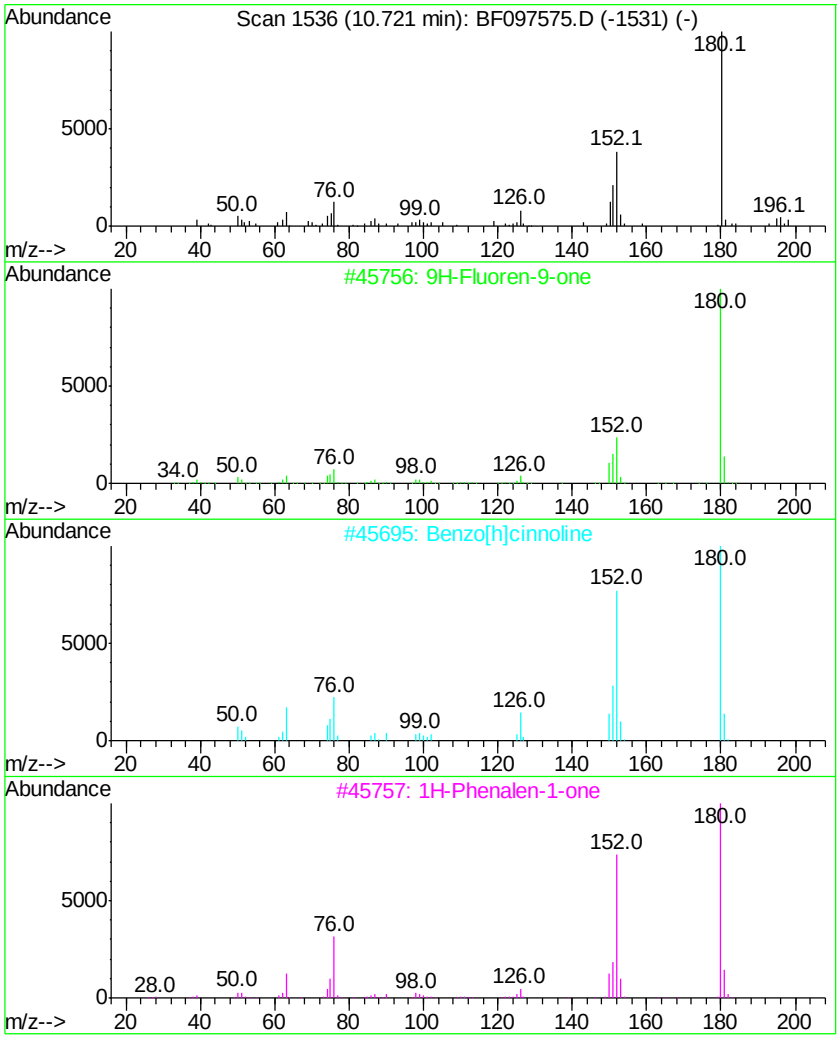
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

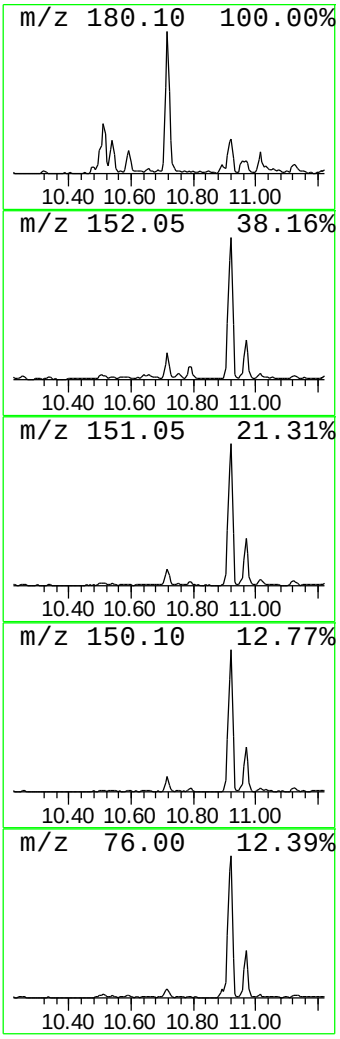
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	4.51 ng	162145	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
4	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	45
5	9H-Carbazole, 9-ethyl-	195	C14H13N	000086-28-2	38





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Acq On : 10 Aug 2017 23:15
Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

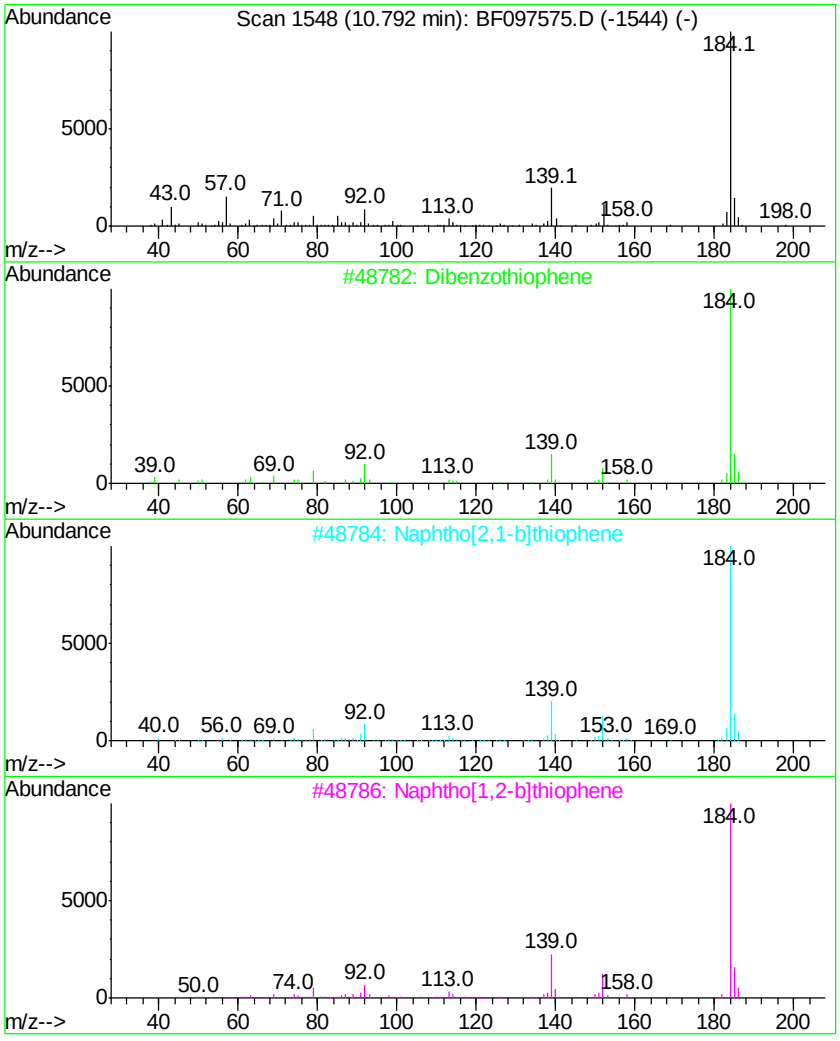
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

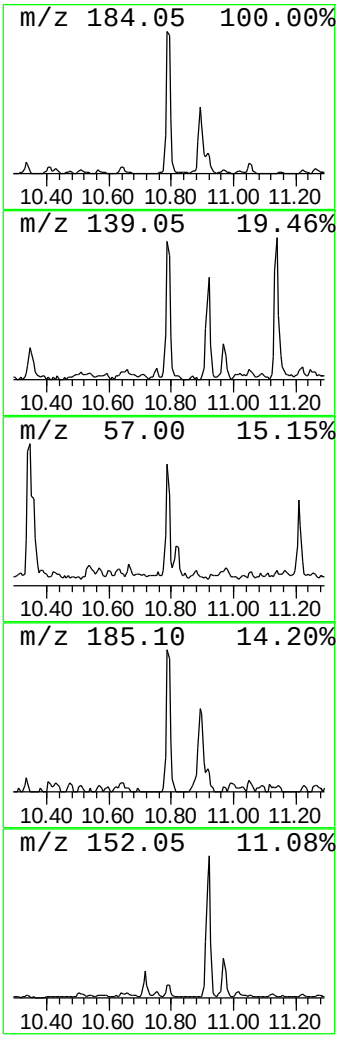
****

Peak Number 7 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	8.68 ng	312224	Phenanthrene-d10	10.89

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	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	58





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ClientSampleId : NYSEG-PH4-ESMI-4A

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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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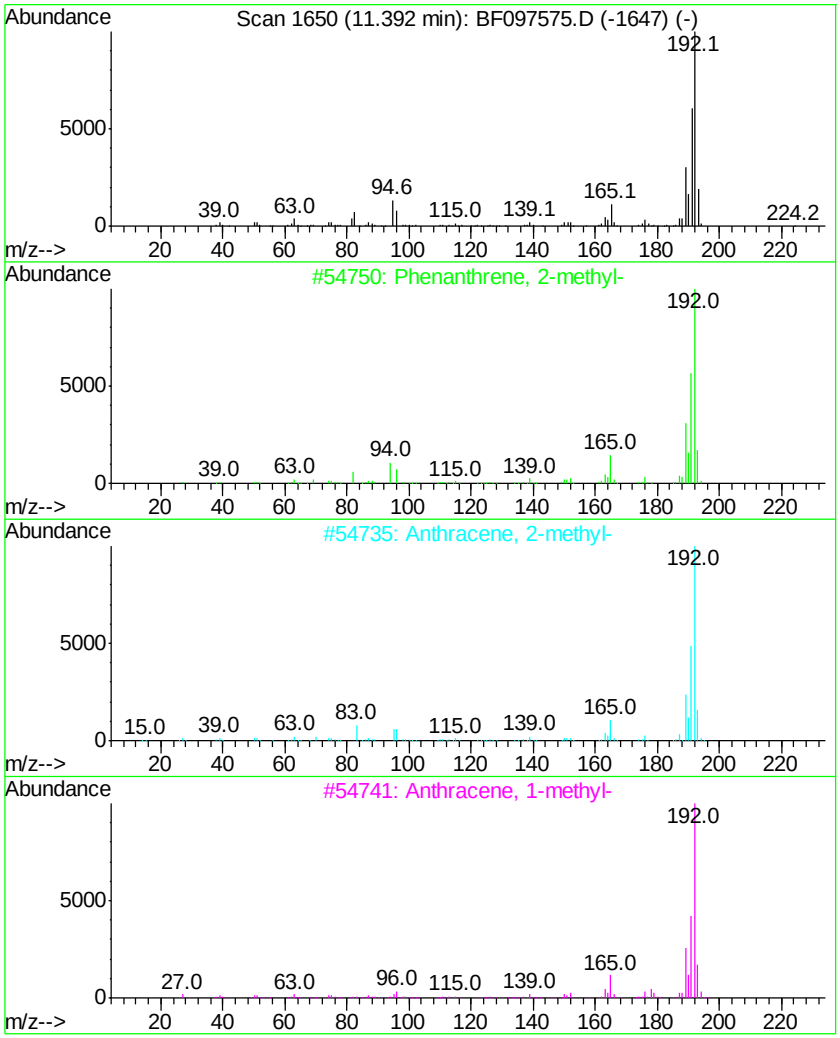
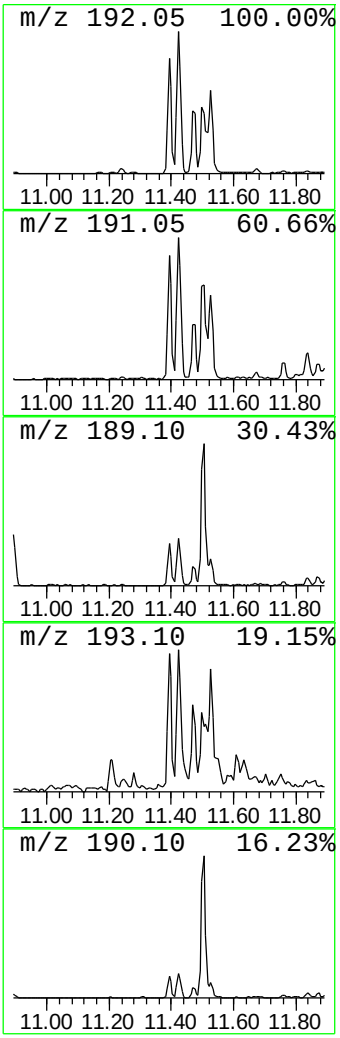
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	8.96 ng	322138	Phenanthrene-d10	10.89

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
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ClientSampleId : NYSEG-PH4-ESMI-4A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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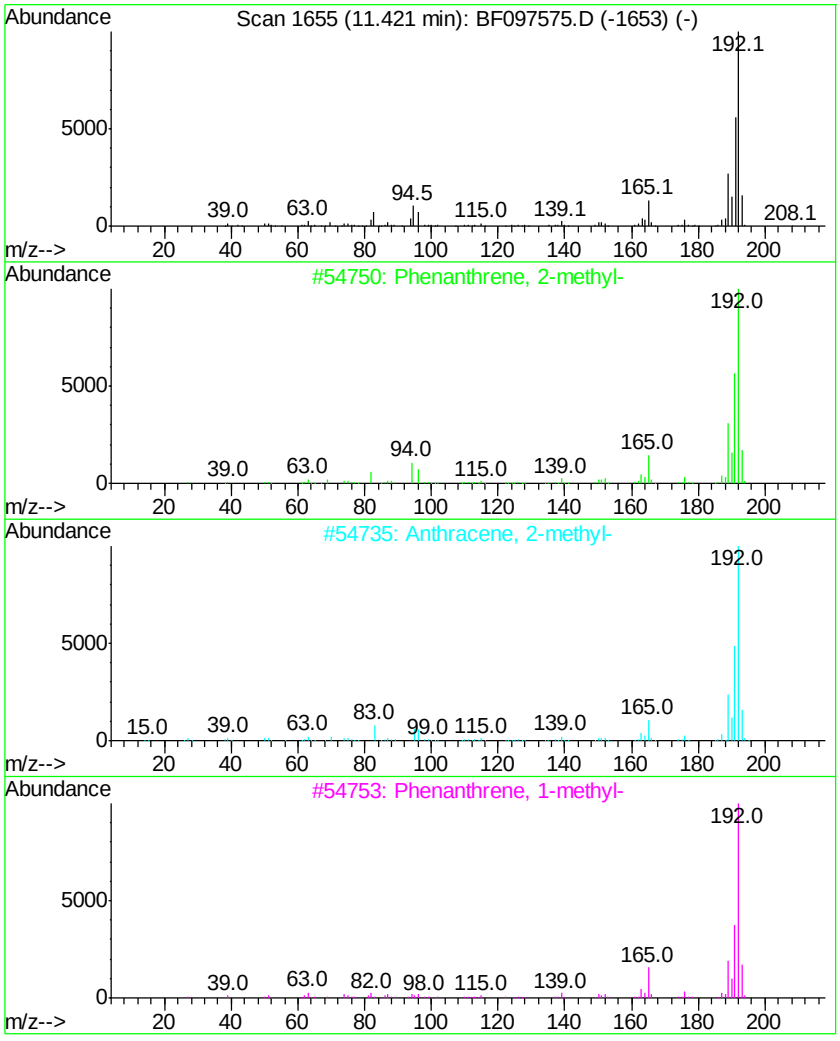
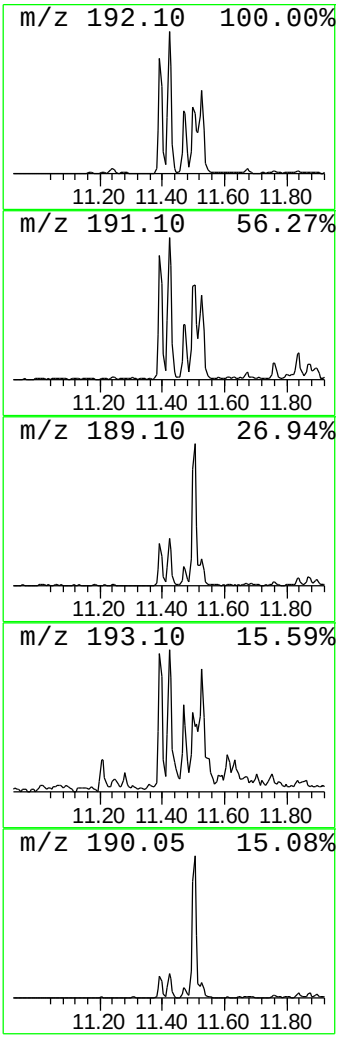
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	10.69 ng	384498	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 10 Aug 2017 23:15
Operator : SJ/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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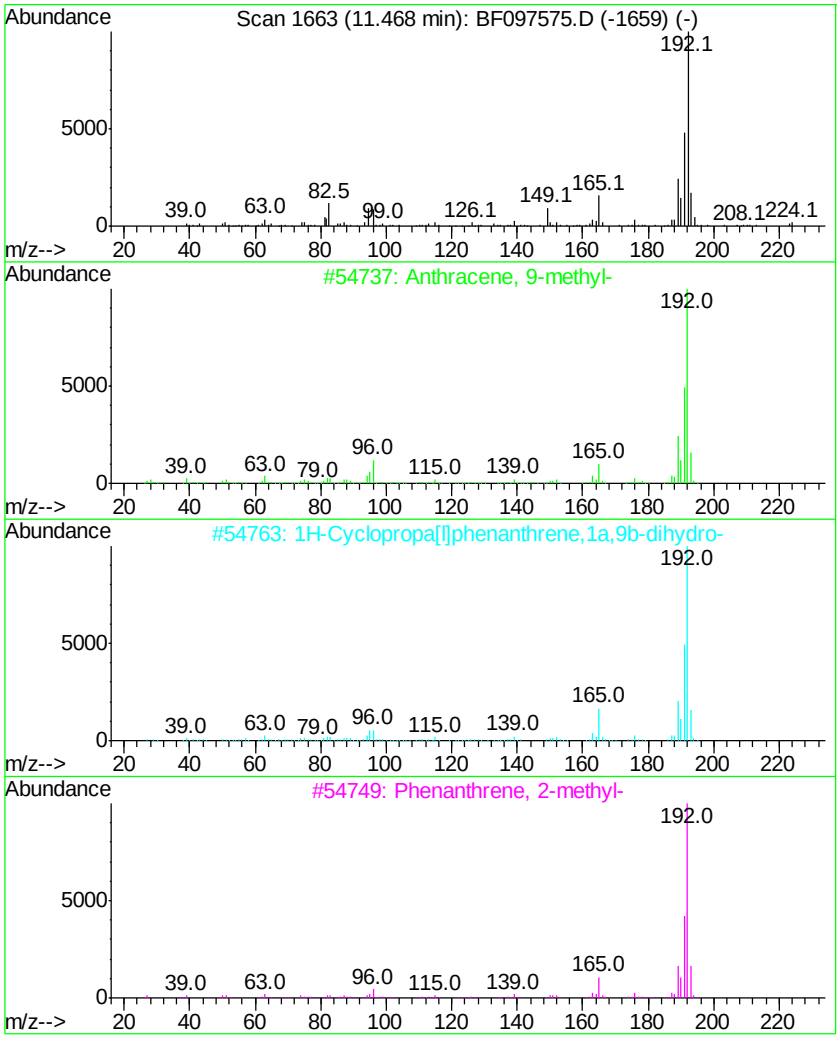
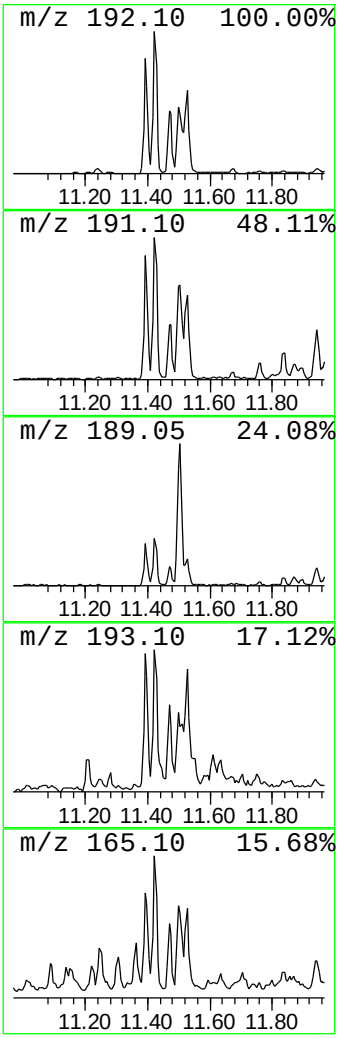
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	7.53 ng	270734	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : I4697-07
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ClientSampleId : NYSEG-PH4-ESMI-4A

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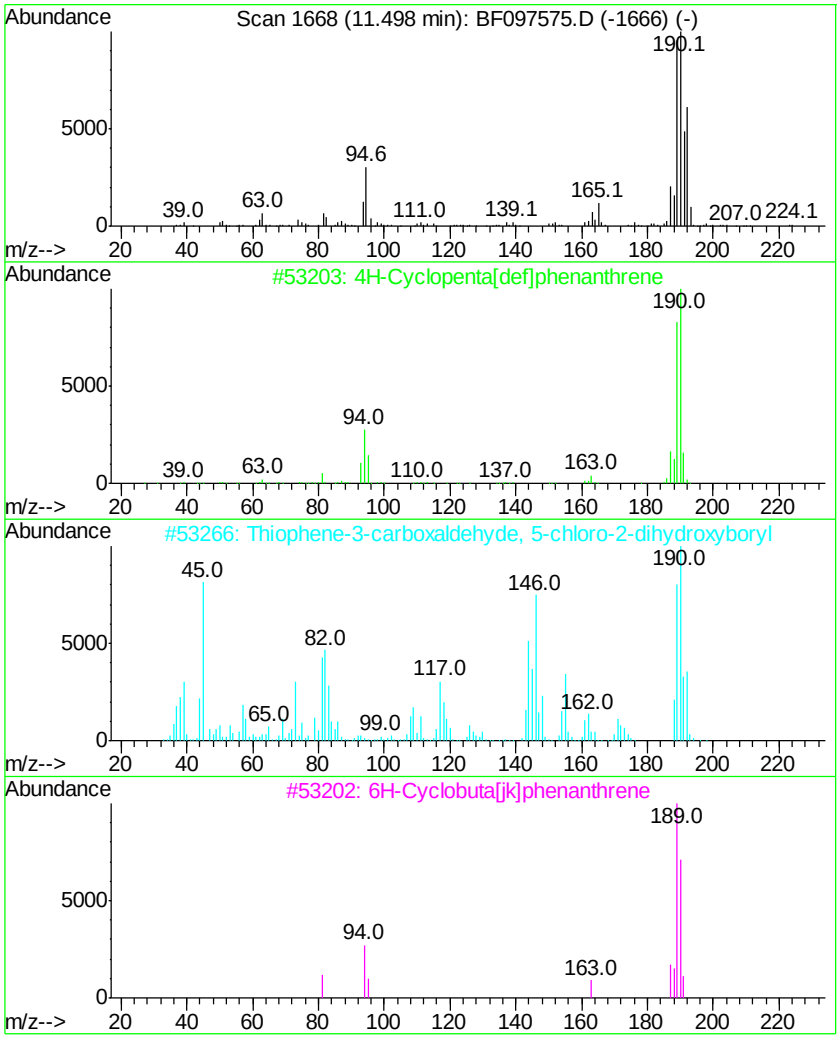
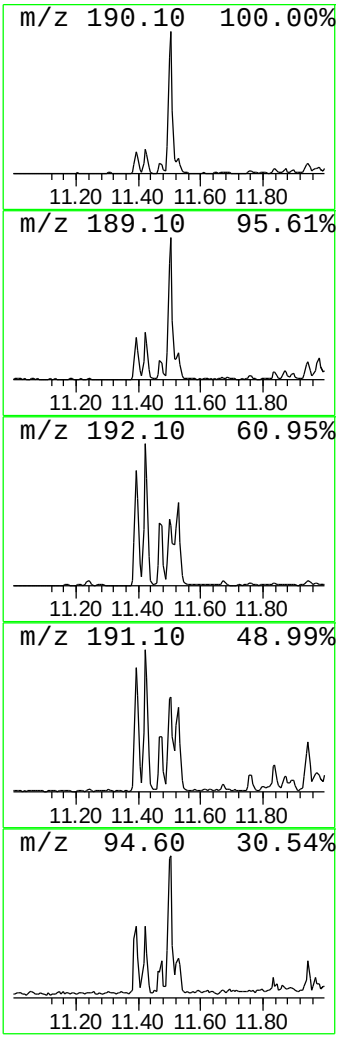
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	14.92 ng	536637	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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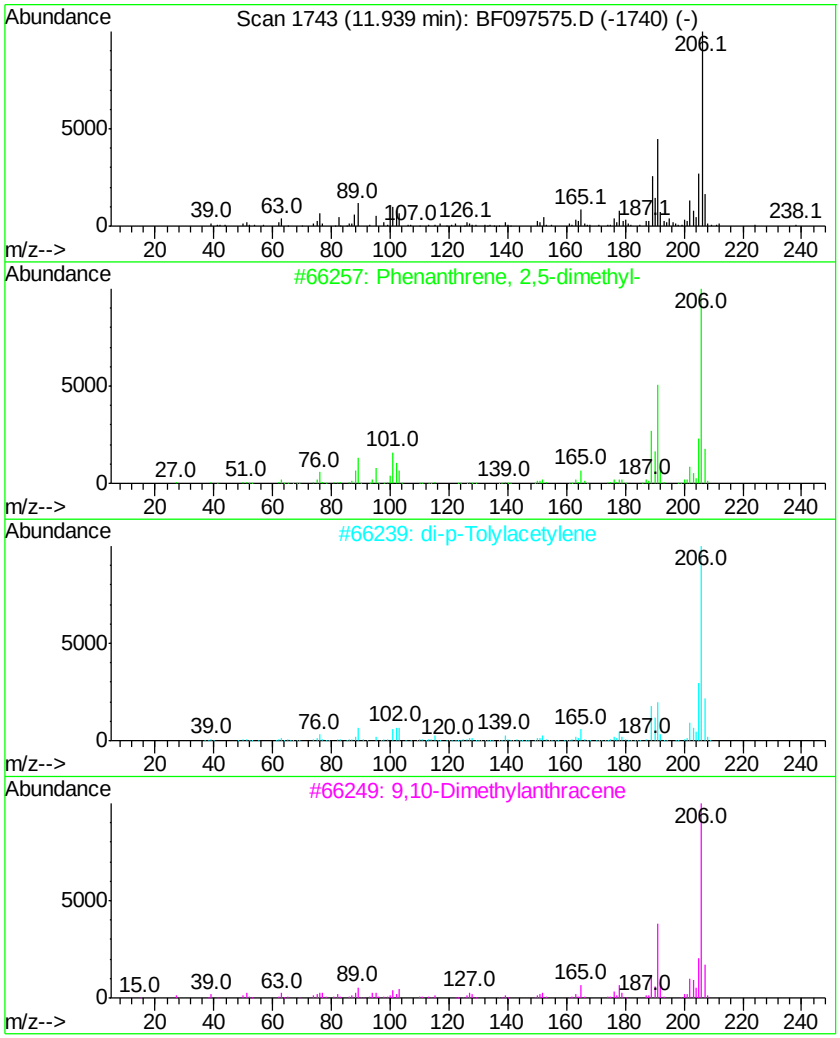
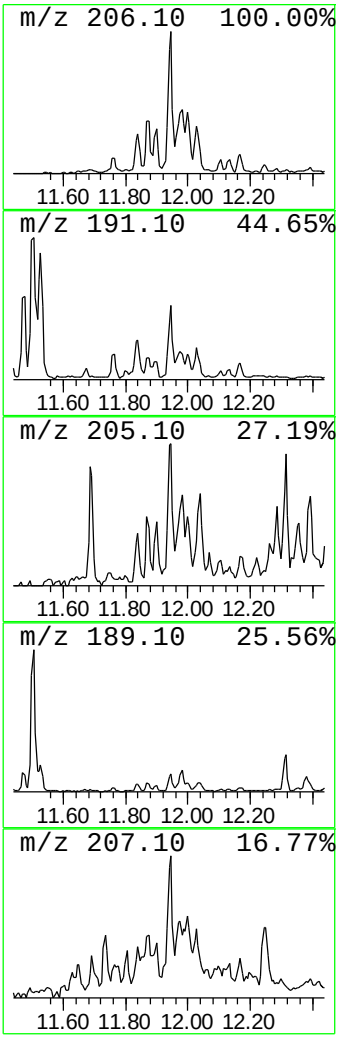
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.84 ng	209870	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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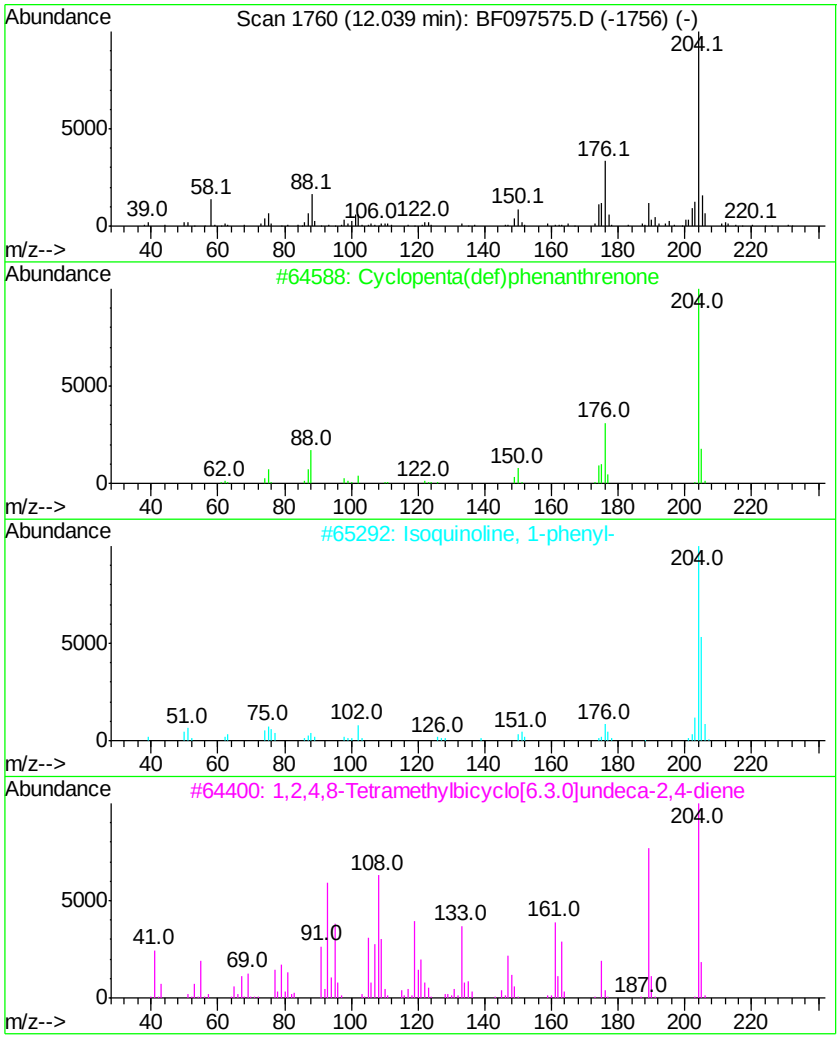
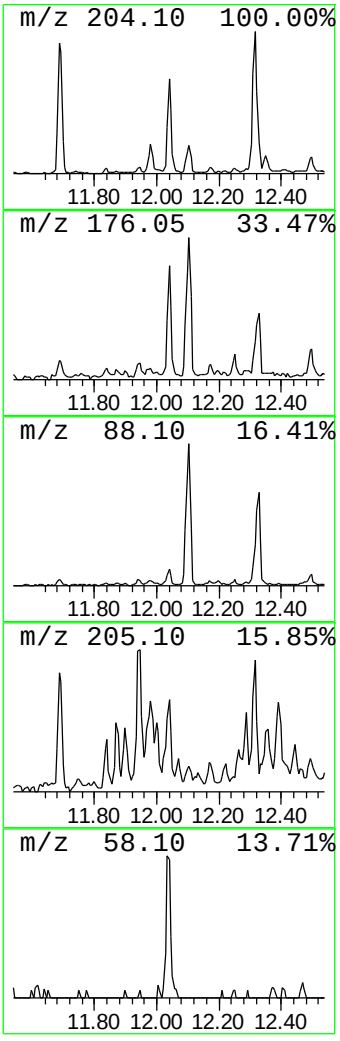
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.25 ng	188626	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	59
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59





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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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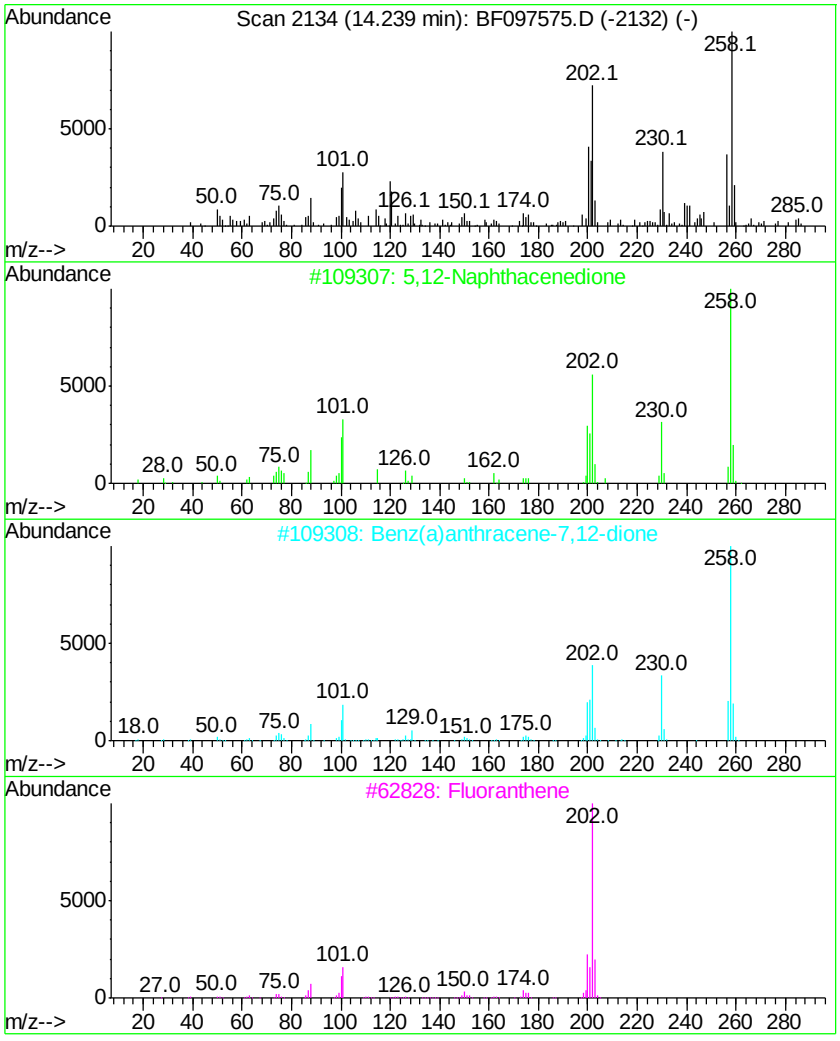
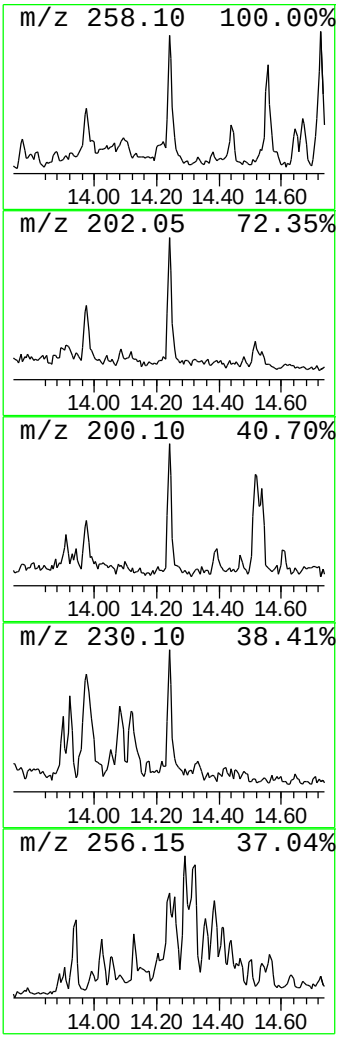
Peak Number 15 5,12-Naphthacenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	5.18 ng	141196	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	95
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	Fluoranthene	202	C16H10	000206-44-0	58
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	56
5	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	53





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TIC Library : C:\DATABASE\NIST11.L
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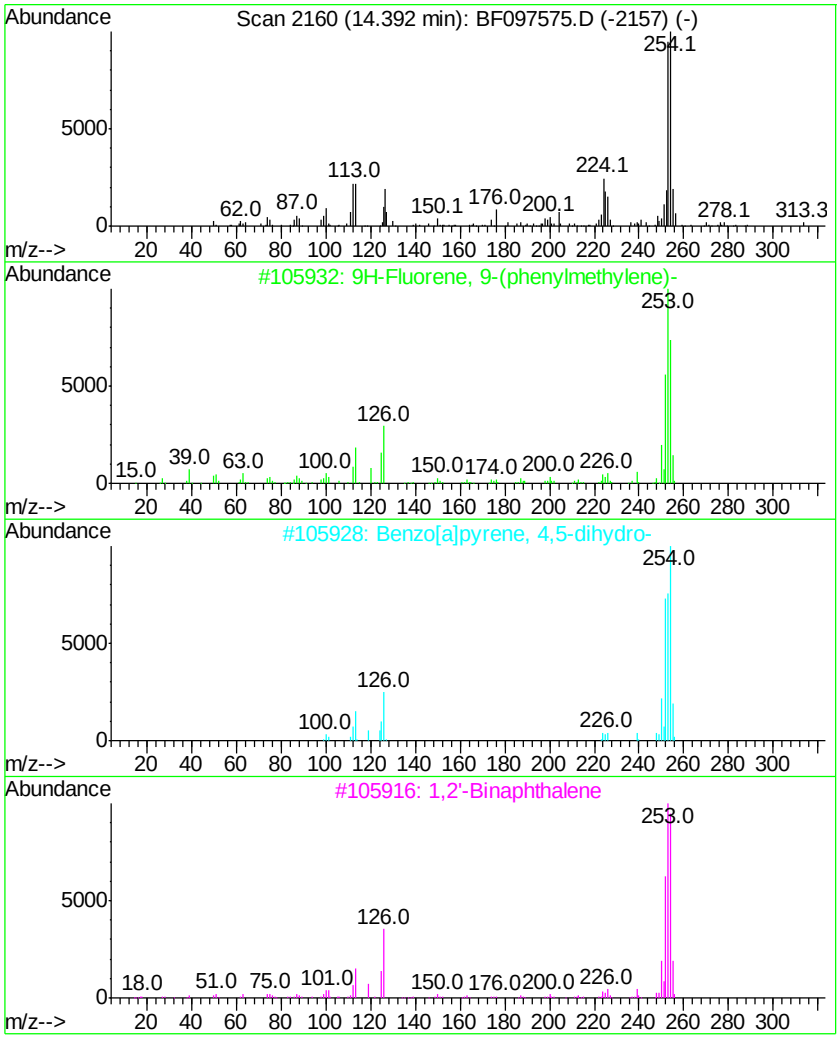
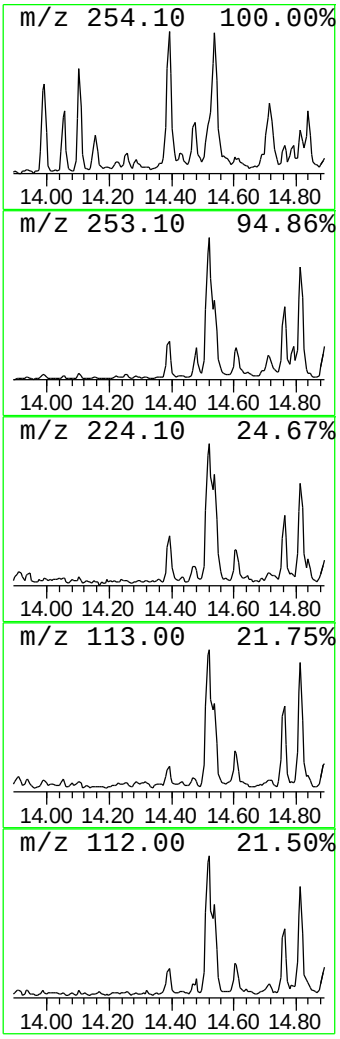
Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	4.72 ng	128550	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	87
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	83
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	72
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	70
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68





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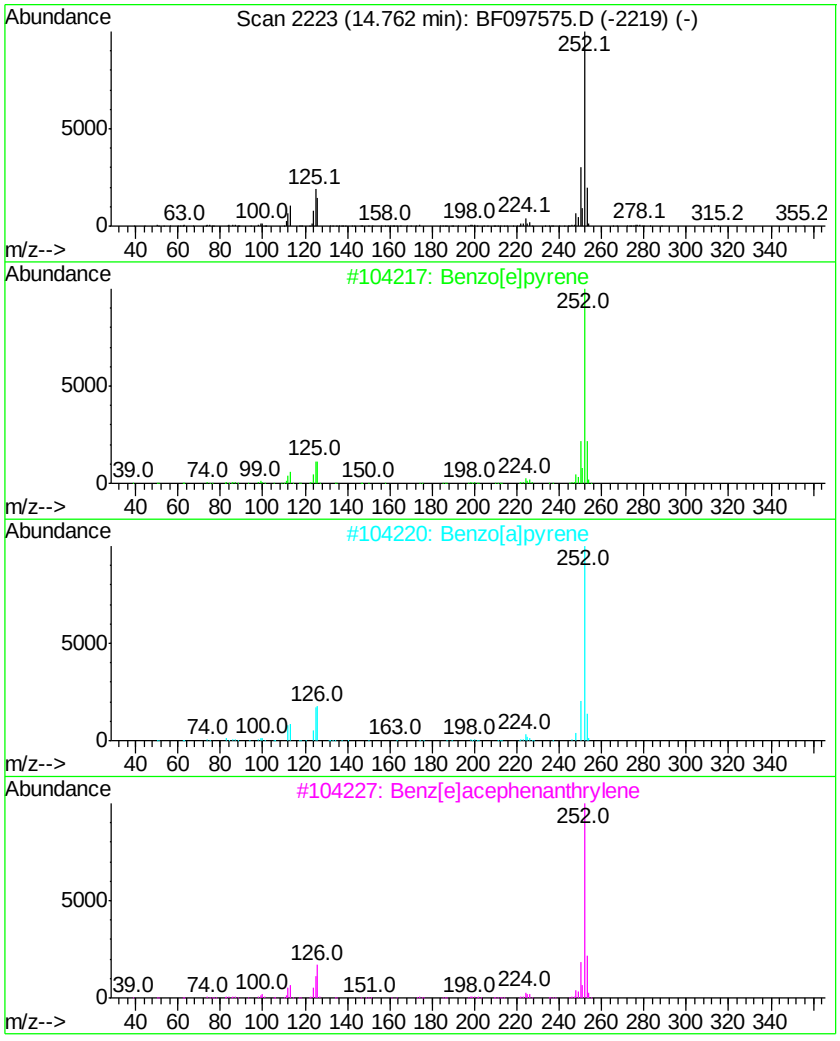
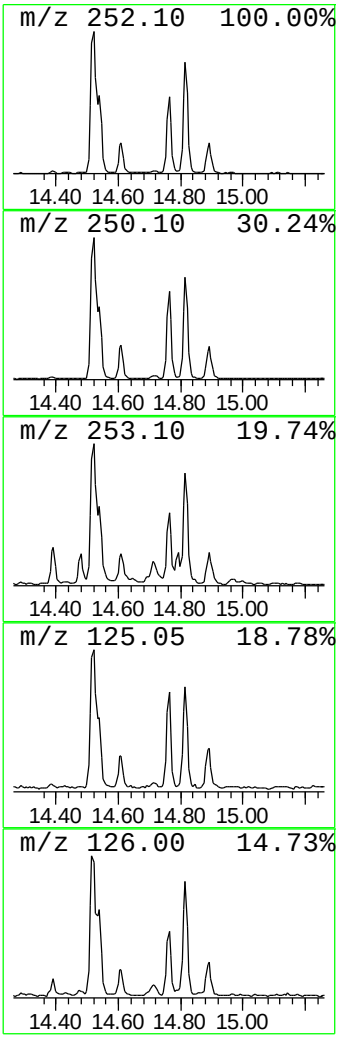
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	19.27 ng	524820	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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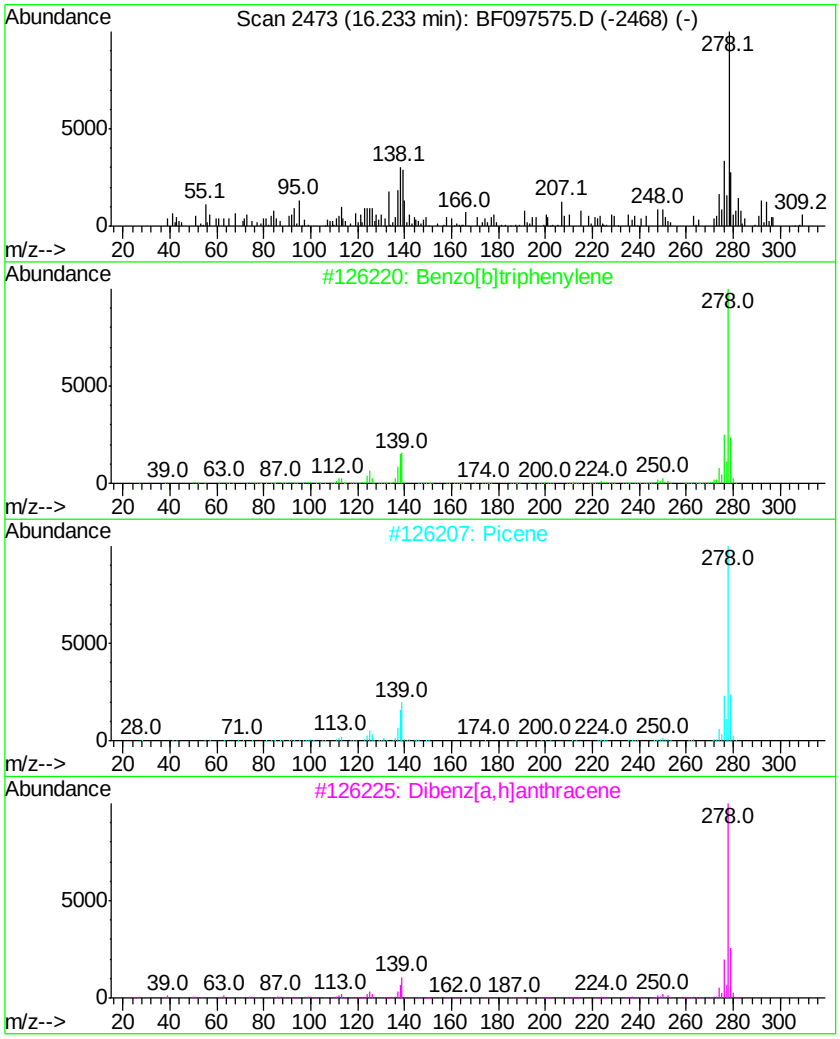
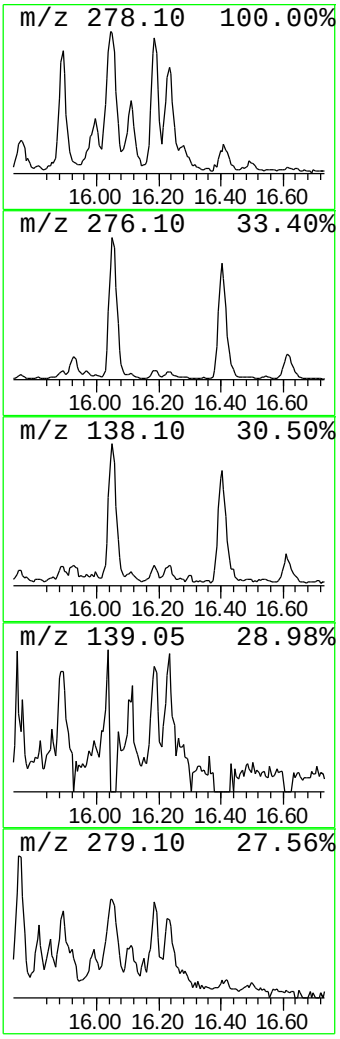
Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	4.66 ng	126846	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
2	Picene	278	C22H14	000213-46-7	70
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	58
5	Benzo[b]chrysene	278	C22H14	000214-17-5	53





Tentatively Identified Compound (LSC) summary

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Data File : BF097575.D
Acq On : 10 Aug 2017 23:15
Operator : SJ/JU
Sample : I4697-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.52	6.0	ng	195080	1	6.39	650520	20.0
unknown6.17	6.17	68.4	ng	2224150	1	6.39	650520	20.0
Dodecane	10.35	5.6	ng	202431	4	10.89	719140	20.0
9H-Fluorene, 1-me...	10.51	4.9	ng	177116	4	10.89	719140	20.0
9H-Fluoren-9-one	10.72	4.5	ng	162145	4	10.89	719140	20.0
Dibenzothiophene	10.79	8.7	ng	312224	4	10.89	719140	20.0
Phenanthrene, 2-m...	11.39	9.0	ng	322138	4	10.89	719140	20.0
Anthracene, 2-met...	11.42	10.7	ng	384498	4	10.89	719140	20.0
Anthracene, 9-met...	11.47	7.5	ng	270734	4	10.89	719140	20.0
4H-Cyclopenta[def...	11.50	14.9	ng	536637	4	10.89	719140	20.0
Phenanthrene, 2,5...	11.94	5.8	ng	209870	4	10.89	719140	20.0
Cyclopenta(def)ph...	12.04	5.3	ng	188626	4	10.89	719140	20.0
5,12-Naphthacened...	14.24	5.2	ng	141196	6	14.86	544720	20.0
9H-Fluorene, 9-(p...	14.39	4.7	ng	128550	6	14.86	544720	20.0
Benzo[e]pyrene	14.76	19.3	ng	524820	6	14.86	544720	20.0
Benzo[b]triphenylene	16.23	4.7	ng	126846	6	14.86	544720	20.0