LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

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-BF041717.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	3.884	328	331	337	rBV	49788	55196	2.67%	0.210%
2	4.295	398	401	416	rBV	500824	523740	25.34%	1.992%
3	5.372	580	584	597	rBV	487887	549635	26.59%	2.091%
4	5.501	602	606	612	rBV	564444	569434	27.55%	2.166%
5	5.748	644	648	653	rBV	774590	674920	32.66%	2.567%
6	5.925	674	678	682	rBV	478584	413848	20.02%	1.574%
7	6.395	754	758	767	rBV	329750	315622	15.27%	1.201%
8	7.248	899	903	905	rBV	914938	880605	42.61%	3.350%
9	7.272	905	907	911	rVB	87851	75432	3.65%	0.287%
10	8.113	1046	1050	1056	rVB	46639	41274	2.00%	0.157%
11	8.231	1064	1070	1076	rBV	44269	41697	2.02%	0.159%
12	8.566	1123	1127	1138	rVB	536660	487813	23.60%	1.856%
13	9.072	1208	1213	1217	rVV	55826	57664	2.79%	0.219%
14	9.113	1217	1220	1229	rVB2	28446	43619	2.11%	0.166%
15	9.207	1233	1236	1243	rBV	75528	77392	3.74%	0.294%
16	9.383	1259	1266	1269	rBV2	797716	851482	41.20%	3.239%
17	9.419	1269	1272	1275	rVB	93999	84238	4.08%	0.320%
18	9.636	1305	1309	1315	rBV2	54639	65606	3.17%	0.250%
19	10.054	1377	1380	1385	rVB	108267	100032	4.84%	0.381%
20	10.254	1410	1414	1417	rBV2	44530	43027	2.08%	0.164%
21	10.354	1427	1431	1438	rVV	244582	259538	12.56%	0.987%
22	10.560	1463	1466	1468	rBV2	35504	37063	1.79%	0.141%
23	10.736	1490	1496	1498	rBV3	28192	43251	2.09%	0.165%
24	10.901	1521	1524	1526	rBV2	30229	36984	1.79%	0.141%
25	10.972	1531	1536	1543	rVV	51166	71808	3.47%	0.273%
26	11.036	1543	1547	1550	rVV	39747	53393	2.58%	0.203%
27	11.072	1550	1553	1556	rVV	63214	66230	3.20%	0.252%
28	11.201	1571	1575	1578	rBV	662782	723793	35.02%	2.753%
29	11.230	1578	1580	1584	rVV	1031966	946569	45.80%	3.601%
30	11.295	1584	1591	1596	rVB	286921	308138	14.91%	1.172%
31	11.360	1596	1602	1605	rBV5	29947	51352	2.48%	0.195%
32	11.507	1623	1627	1630	rVV	93678	100469	4.86%	0.382%
33	11.554	1630	1635	1637	rVV5	36902	57527	2.78%	0.219%
34	11.583	1637	1640	1642	rVV	49853	53864	2.61%	0.205%

LSC Area Percent Report

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Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

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-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.613	1642	1645	1649	rVV2	40125	61480	2.97%	0.234%
36	11.648	1649	1651	1655	rVV3	33832	36695	1.78%	0.140%
37	11.713	1658	1662	1667	rVB3	25292	45541	2.20%	0.173%
38	11.830	1677	1682	1684	rBV	203003	217456	10.52%	0.827%
39	11.860	1684	1687	1692	rVB	246807	250427	12.12%	0.953%
40	11.919	1693	1697	1700	rBV	101233	103683	5.02%	0.394%
41	11.954	1700	1703	1707	rVV	337437	416176	20.14%	1.583%
42	11.989	1707	1709	1716	rVB	172847	171036	8.28%	0.651%
43	12.066	1716	1722	1725	rBV6	26902	46117	2.23%	0.175%
44	12.118	1728	1731	1734	rVV4	36425	50710	2.45%	0.193%
45	12.154	1734	1737	1741	rVV4	30033	50780	2.46%	0.193%
46	12.195	1741	1744	1747	rVV	148769	165461	8.01%	0.629%
47	12.224	1747	1749	1754	rVV2	108920	113168	5.48%	0.430%
48	12.383	1773	1776	1780	rVB2	62491	67294	3.26%	0.256%
49	12.418	1780	1782	1785	rBV	59450	52689	2.55%	0.200%
50	12.448	1785	1787	1791	rVB	50104	50850	2.46%	0.193%
51	12.507	1791	1797	1800	rBV	174896	236622	11.45%	0.900%
52	12.548	1800	1804	1807	rVV2	75528	86917	4.21%	0.331%
53	12.577	1807	1809	1811	rVB	64644	50729	2.45%	0.193%
54	12.607	1811	1814	1822	rVB4	103120	192805	9.33%	0.733%
55	12.701	1825	1830	1833	rBV	1747729	1853122	89.66%	7.049%
56	12.771	1839	1842	1845	rBV3	73663	87351	4.23%	0.332%
57	12.813	1846	1849	1854	rVB3	51580	65176	3.15%	0.248%
58	12.871	1854	1859	1863	rBV2	115968	134111	6.49%	0.510%
59	12.971	1871	1876	1880	rVB	1672735	2066804	100.00%	7.862%
60	13.036	1880	1887	1890	rBV3	59106	101301	4.90%	0.385%
61	13.065	1890	1892	1900	rVB2	52740	78059	3.78%	0.297%
62	13.130	1900	1903	1906	rBV2	111535	117606	5.69%	0.447%
63	13.177	1906	1911	1915	rBV2	348959	383341	18.55%	1.458%
64	13.260	1918	1925	1928	rBV3	137643	231420	11.20%	0.880%
65	13.289	1928	1930	1935	rVB3	43797	47608	2.30%	0.181%
66	13.389	1935	1947	1951	rVB2	254329	554575	26.83%	2.110%
67	13.471	1957	1961	1964	rVB	162184	162846	7.88%	0.619%
68	13.513	1964	1968	1971	rBV2	252390	288729	13.97%	1.098%
69	13.589	1978	1981	1983	rBV3	42352	40603	1.96%	0.154%
70	13.624	1983	1987	1990	rVB	159224	159191	7.70%	0.606%
71	13.660	1990	1993	1999	rBV	143356	174615	8.45%	0.664%

LSC Area Percent Report

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Acq On : 26 Apr 2017 3:46
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Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

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-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.871	2023	2029	2030	rBV5	47386	80756	3.91%	0.307%
73	13.913	2034	2036	2039	rVB2	44379	46240	2.24%	0.176%
74	14.012	2050	2053	2060	rVV	161068	189154	9.15%	0.720%
75	14.095	2064	2067	2070	rBV	40086	37901	1.83%	0.144%
76	14.142	2071	2075	2078	rVV	189556	225614	10.92%	0.858%
77	14.177	2078	2081	2084	rVV	183032	220310	10.66%	0.838%
78	14.207	2084	2086	2088	rVV	143254	140726	6.81%	0.535%
79	14.230	2088	2090	2094	rVV2	95213	125999	6.10%	0.479%
80	14.271	2094	2097	2102	rVB	159372	175526	8.49%	0.668%
81	14.354	2109	2111	2115	rVB2	47916	47985	2.32%	0.183%
82	14.448	2122	2127	2131	rBV2	1027216	1759069	85.11%	6.692%
83	14.489	2131	2134	2137	rVB	885303	926444	44.82%	3.524%
84	14.583	2146	2150	2153	rVB3	131708	145593	7.04%	0.554%
85	14.748	2176	2178	2181	rBV	76232	84919	4.11%	0.323%
86	14.854	2194	2196	2200	rVB3	44630	42858	2.07%	0.163%
87	14.895	2200	2203	2206	rBV3	75028	95013	4.60%	0.361%
88	14.942	2206	2211	2215	rVV	201659	253539	12.27%	0.964%
89	14.983	2215	2218	2223	rVB	94410	107973	5.22%	0.411%
90	15.054	2227	2230	2233	rVB	88679	85178	4.12%	0.324%
91	15.089	2233	2236	2238	rBV3	69597	92372	4.47%	0.351%
92	15.189	2251	2253	2257	rVB2	59005	58824	2.85%	0.224%
93	15.689	2333	2338	2340	rBV	711988	996149	48.20%	3.789%
94	15.795	2353	2356	2359	rVB	123740	127537	6.17%	0.485%
95	15.971	2383	2386	2392	rBV	428596	473216	22.90%	1.800%
96	16.030	2392	2396	2401	rVB	615733	613557	29.69%	2.334%
97	16.083	2402	2405	2408	rBV	411179	465553	22.53%	1.771%
98	16.112	2408	2410	2413	rVB	144104	125101	6.05%	0.476%
99	17.359	2618	2622	2631	rVB2	235625	417737	20.21%	1.589%
100	17.736	2681	2686	2695	rVB	183846	351776	17.02%	1.338%

Sum of corrected areas: 26287968

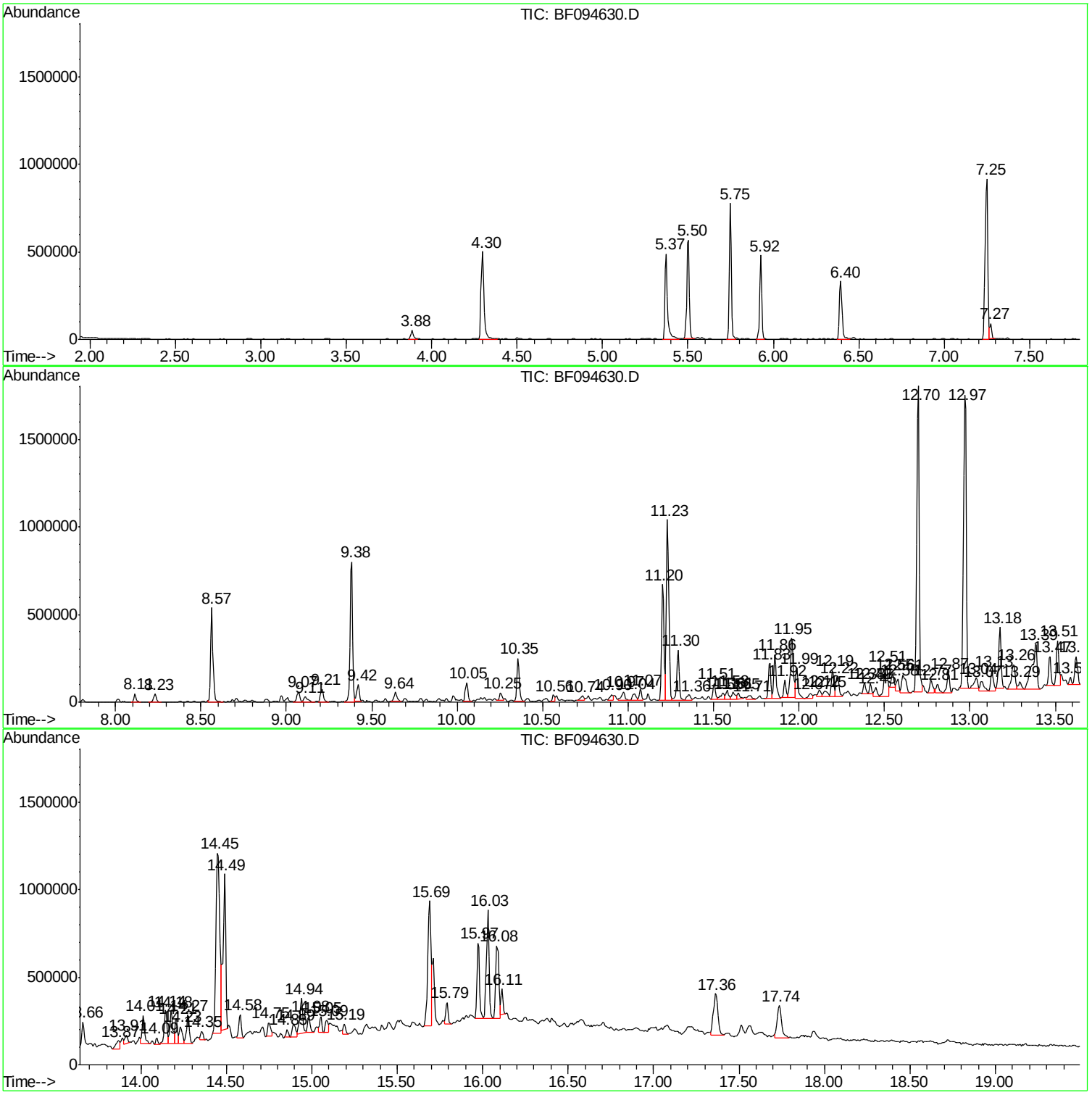
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

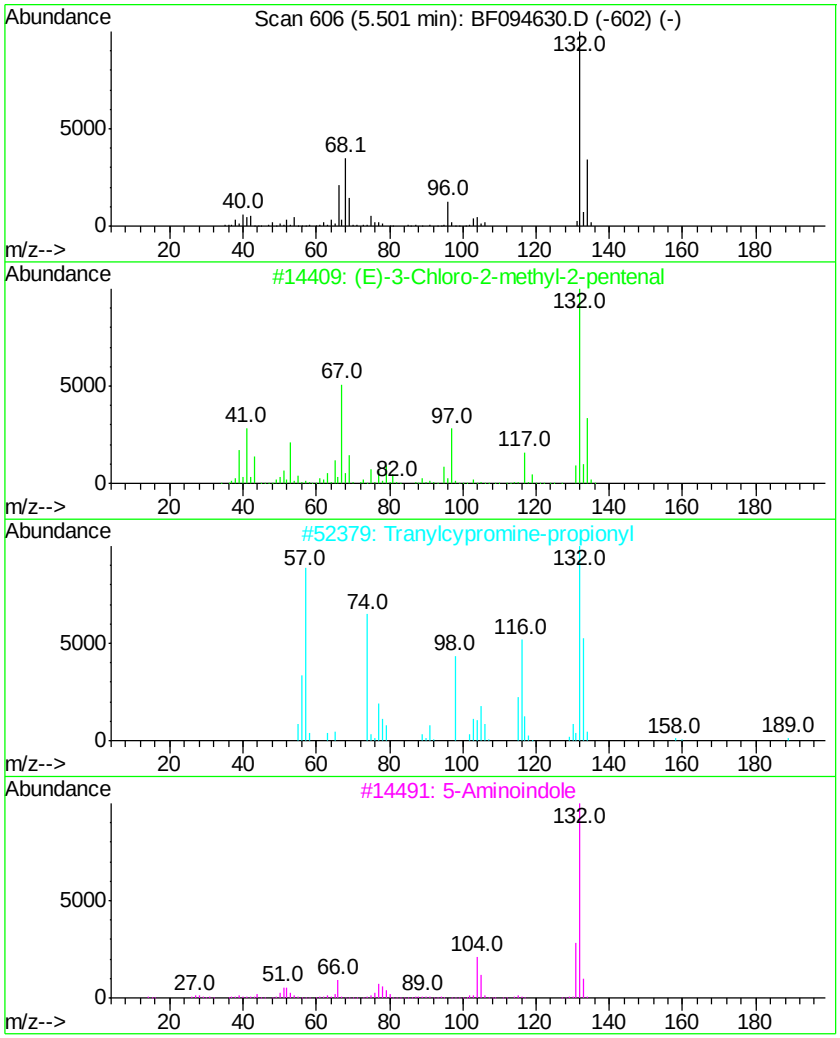
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

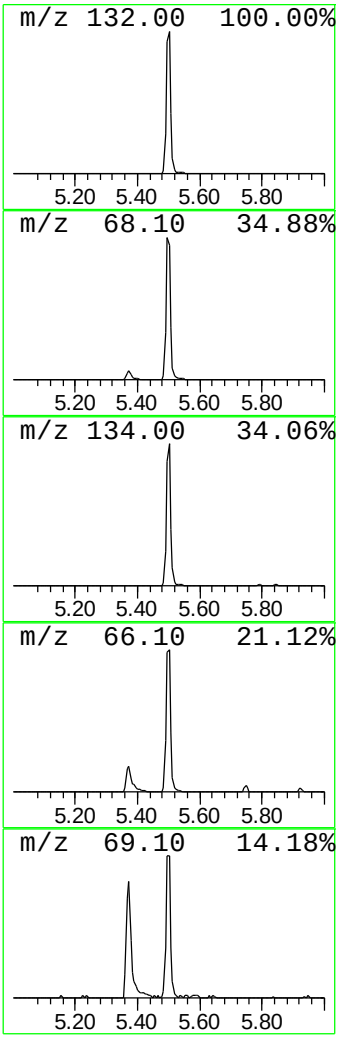
****

Peak Number 1 unknown5.50 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	16.87 ng	569434	1,4-Dichlorobenzene-d4	5.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	12
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

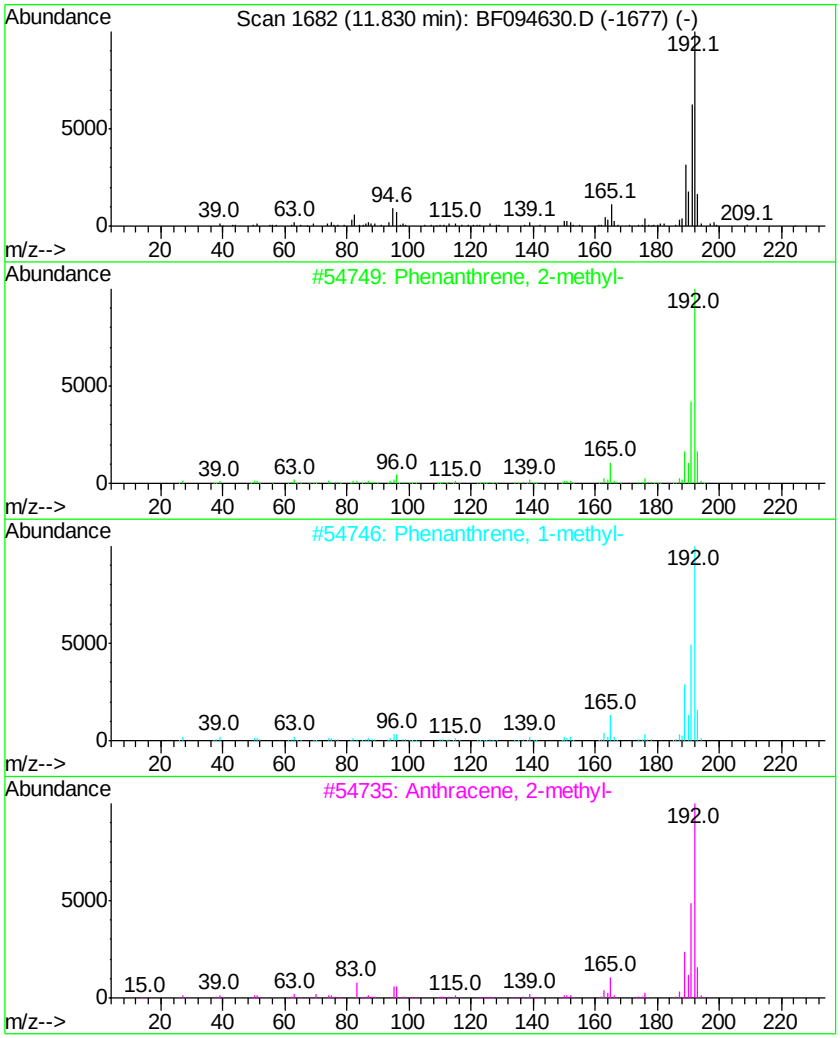
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

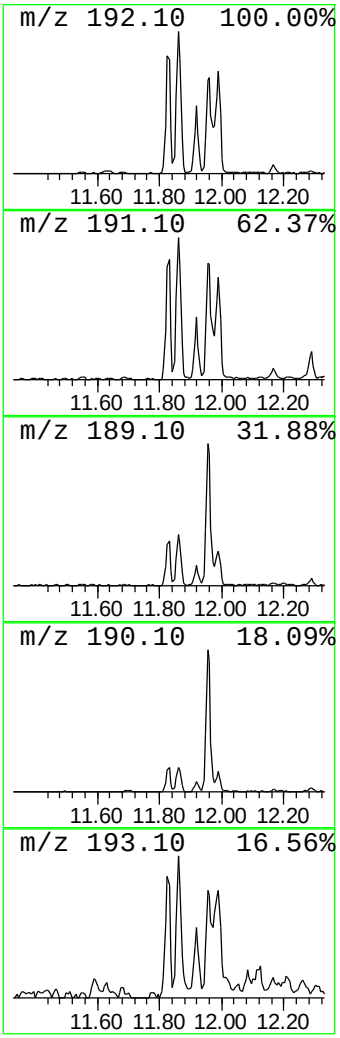
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.01 ng	217456	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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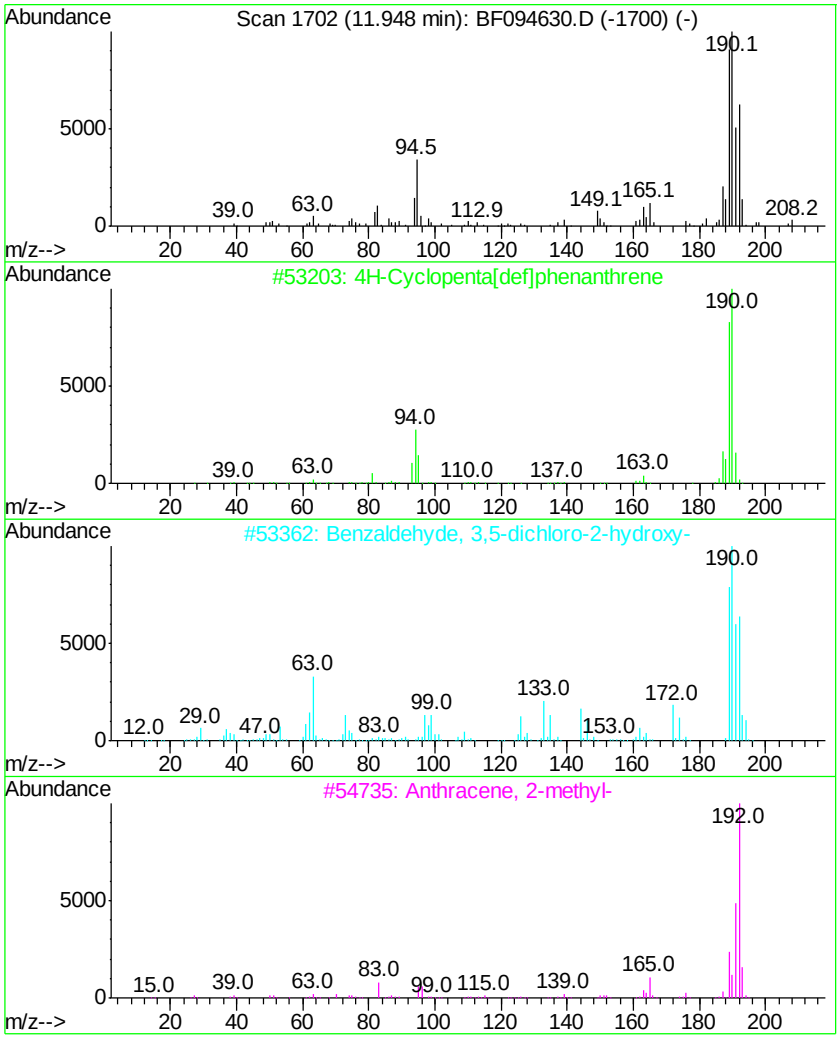
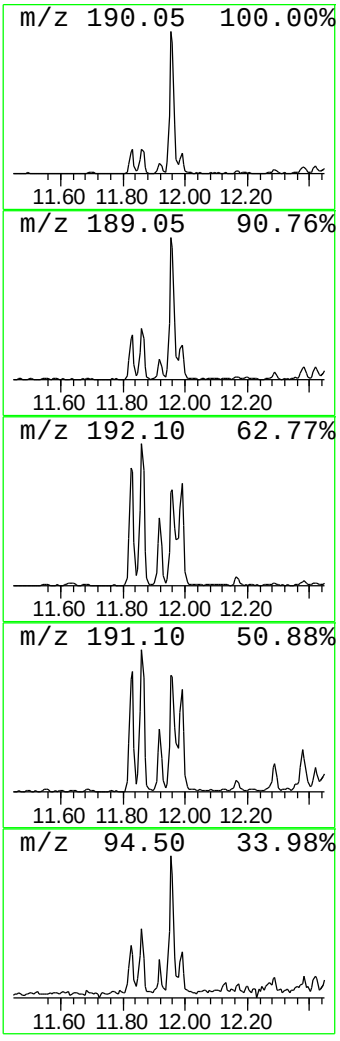
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	11.50 ng	416176	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

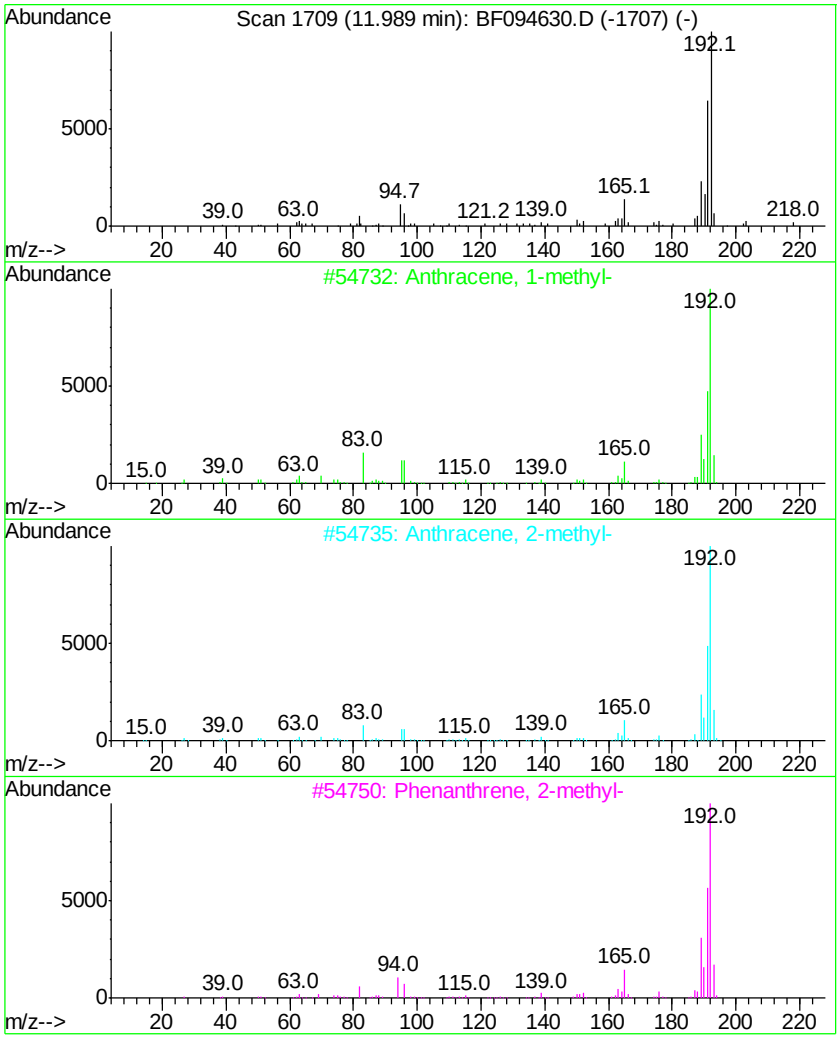
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

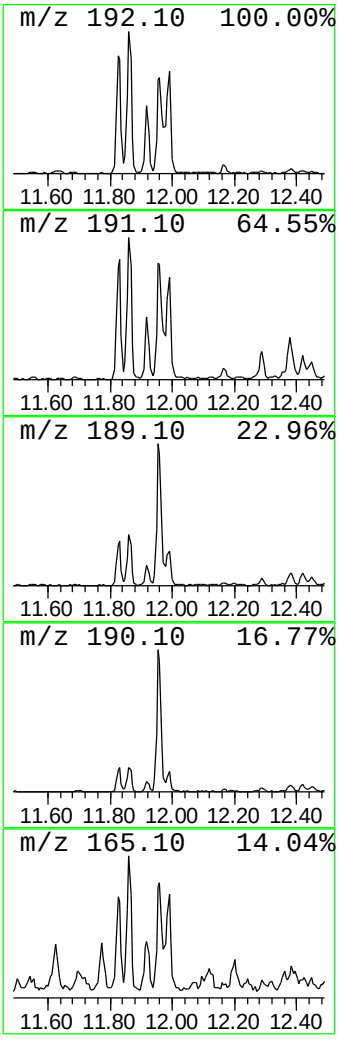
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.73 ng	171036	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

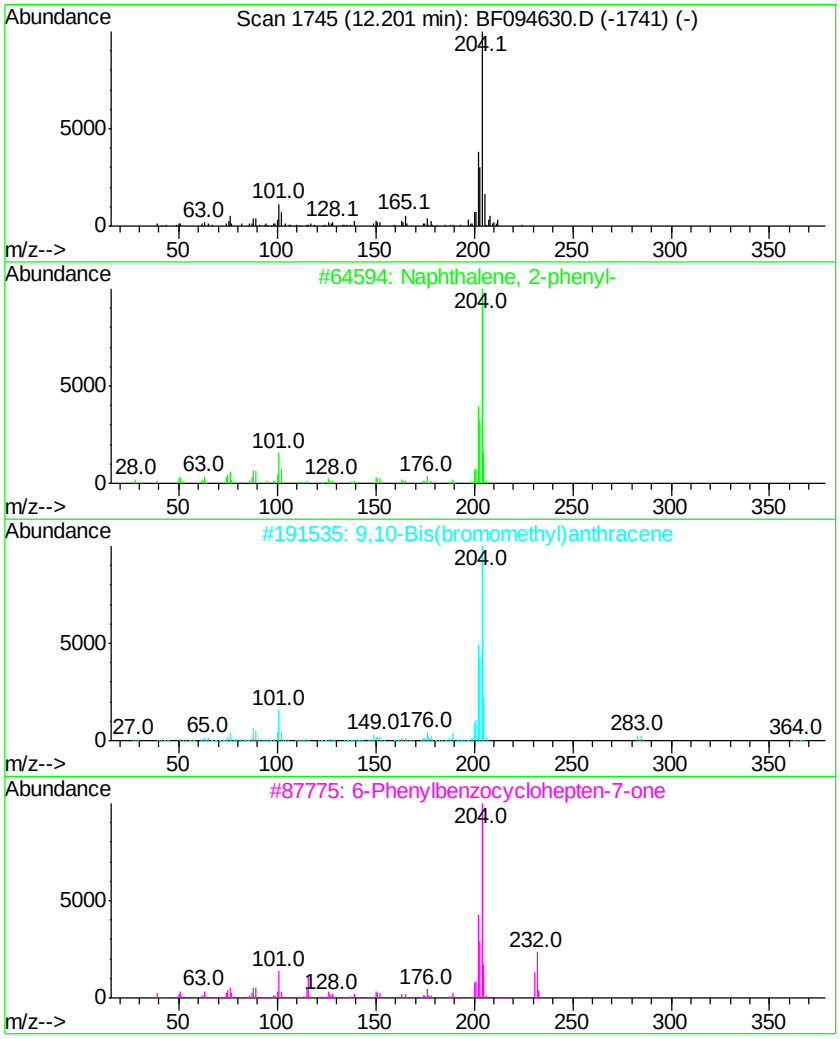
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

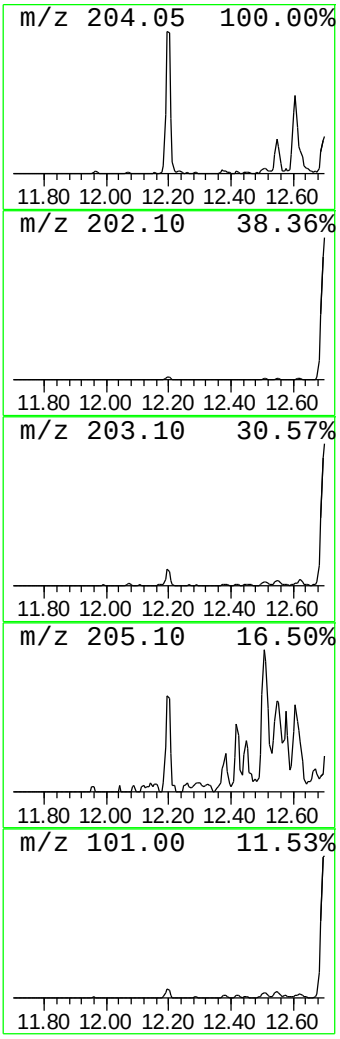
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.57 ng	165461	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83





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Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

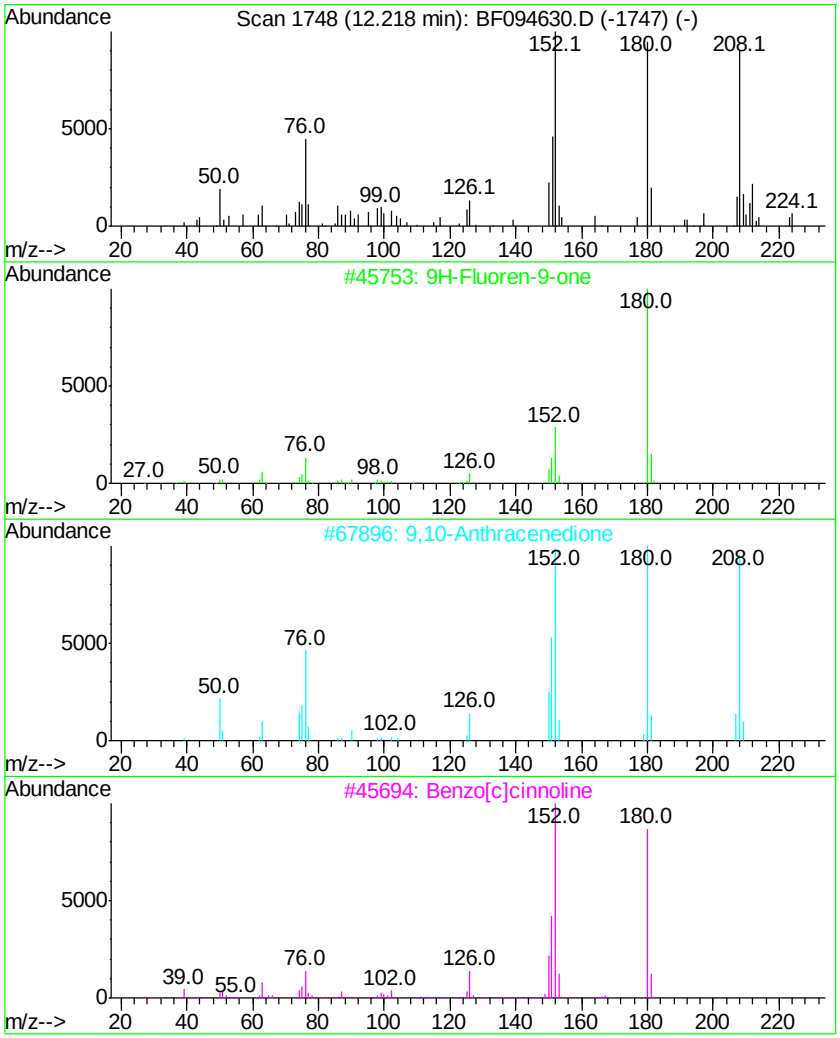
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

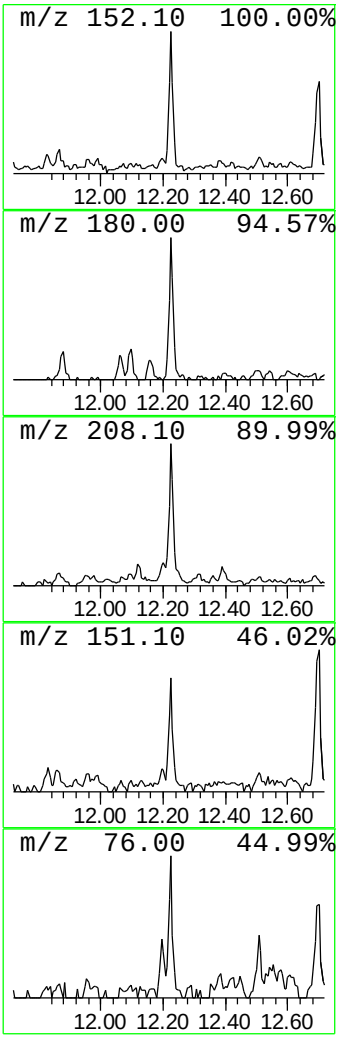
****

Peak Number 9 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.13 ng	113168	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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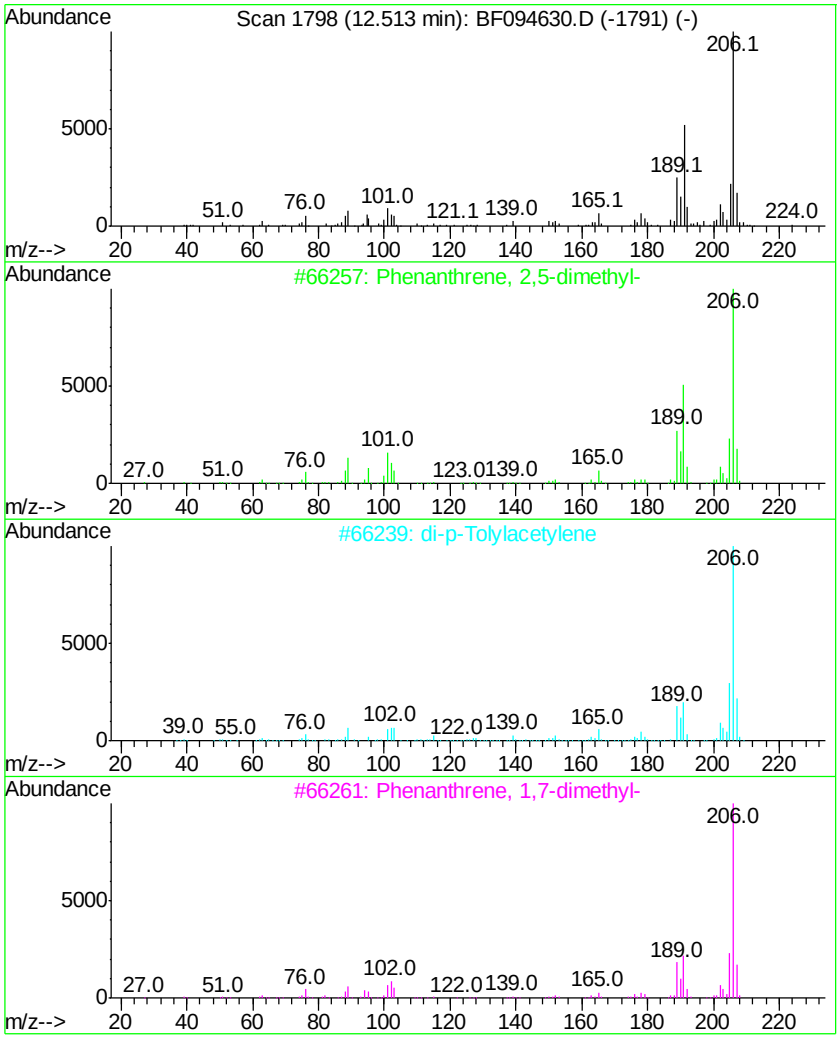
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

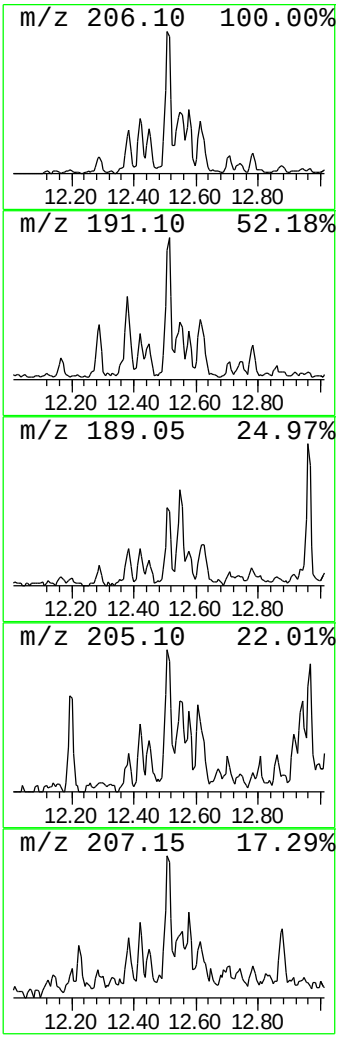
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	6.54 ng	236622	Phenanthrene-d10	11.20

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	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : I2820-01 5X
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

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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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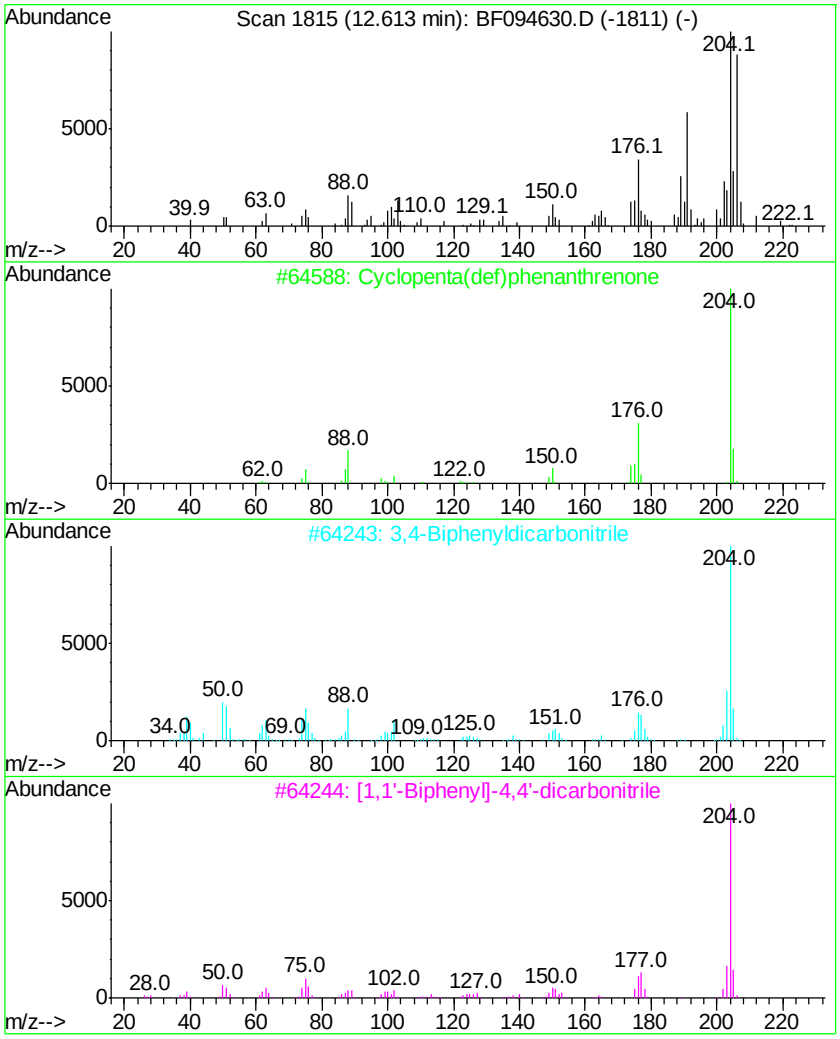
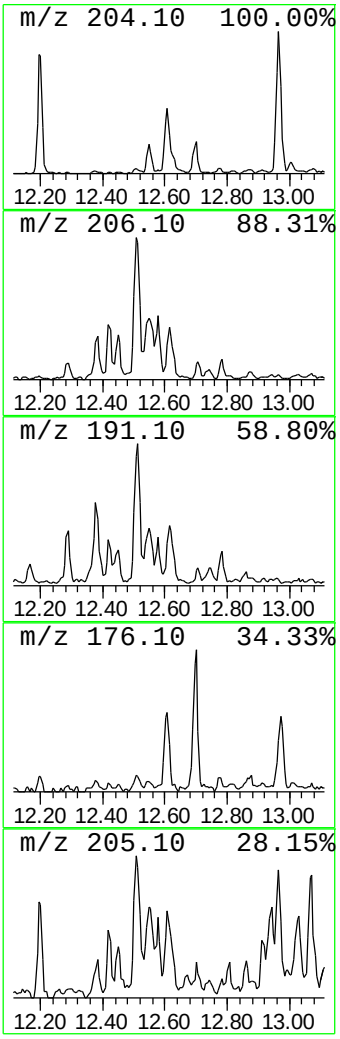
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	5.33 ng	192805	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
5	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	47





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Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
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TIC Library : C:\DATABASE\NIST11.L
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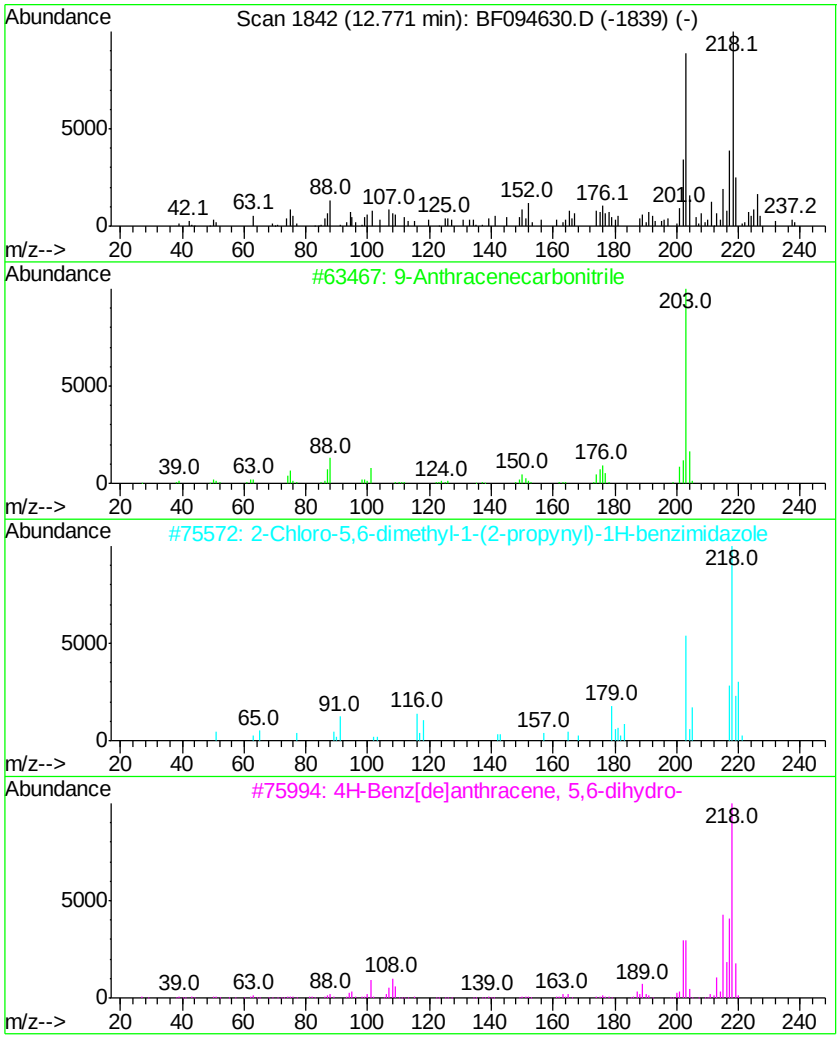
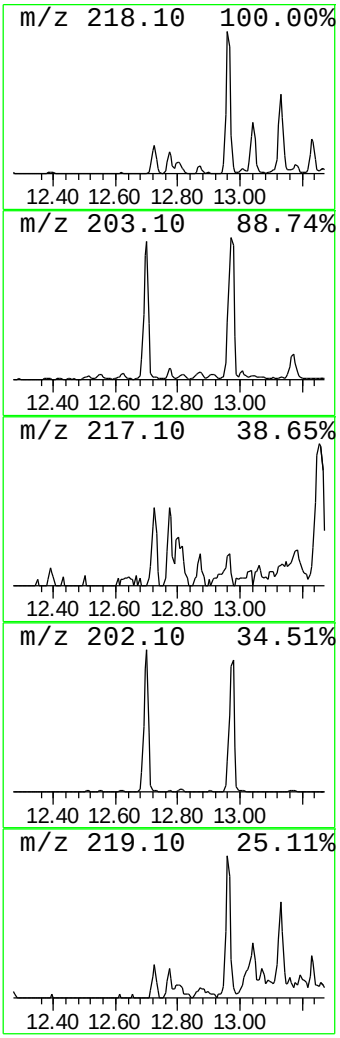
Peak Number 12 9-Anthracenecarbonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.41 ng	87351	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	60
2	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	59
3	4H-Benz[delanthracene, 5,6-dihydro-	218	C17H14	004389-09-7	53
4	4-Allyl-5-pyridin-3-yl-2,4-dihyd...	218	C10H10N4S	1000300-40-5	53
5	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	47





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Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

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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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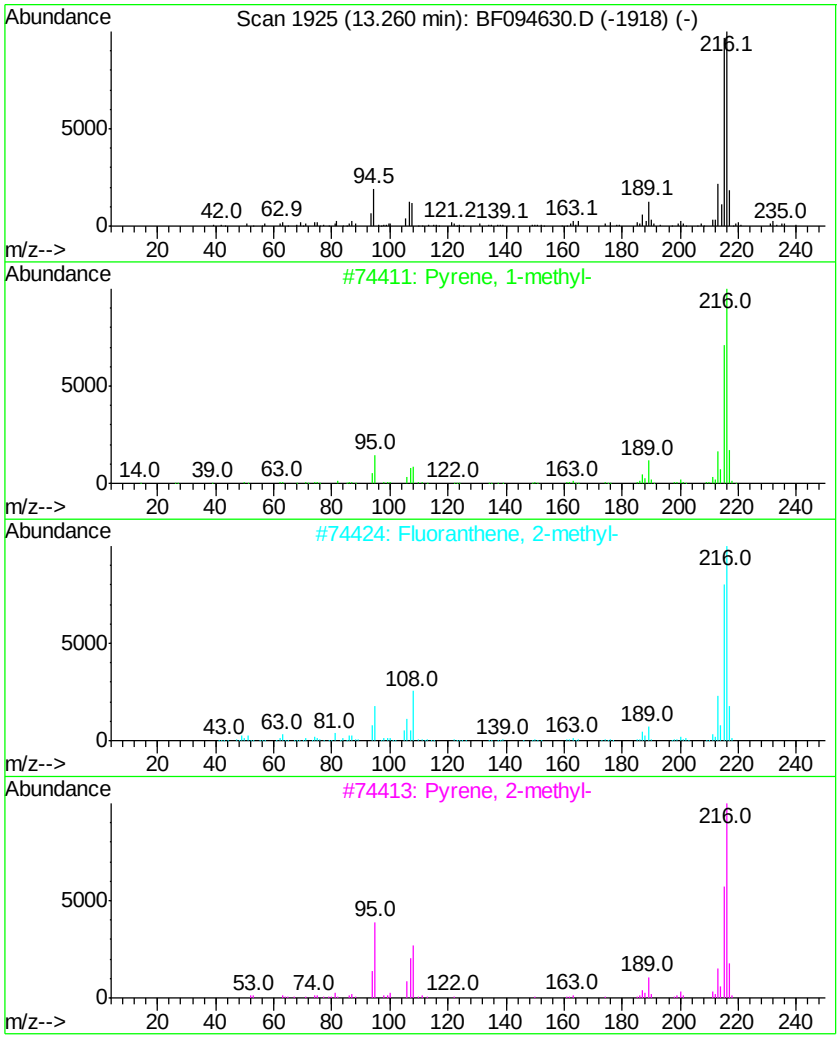
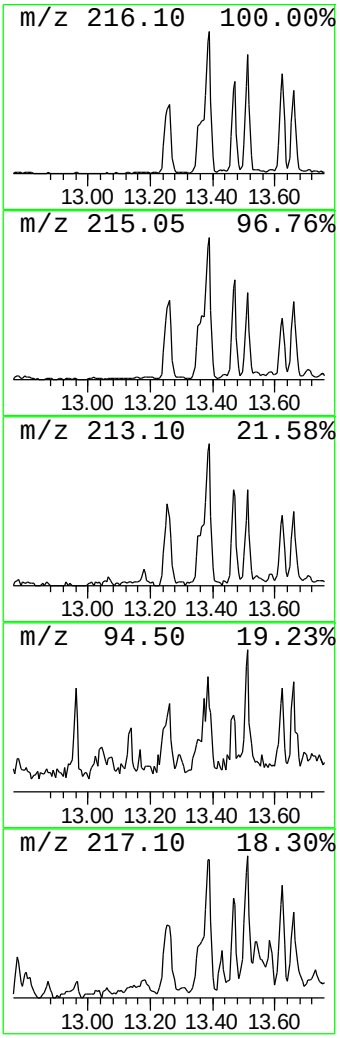
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.63 ng	231420	Chrysene-d12	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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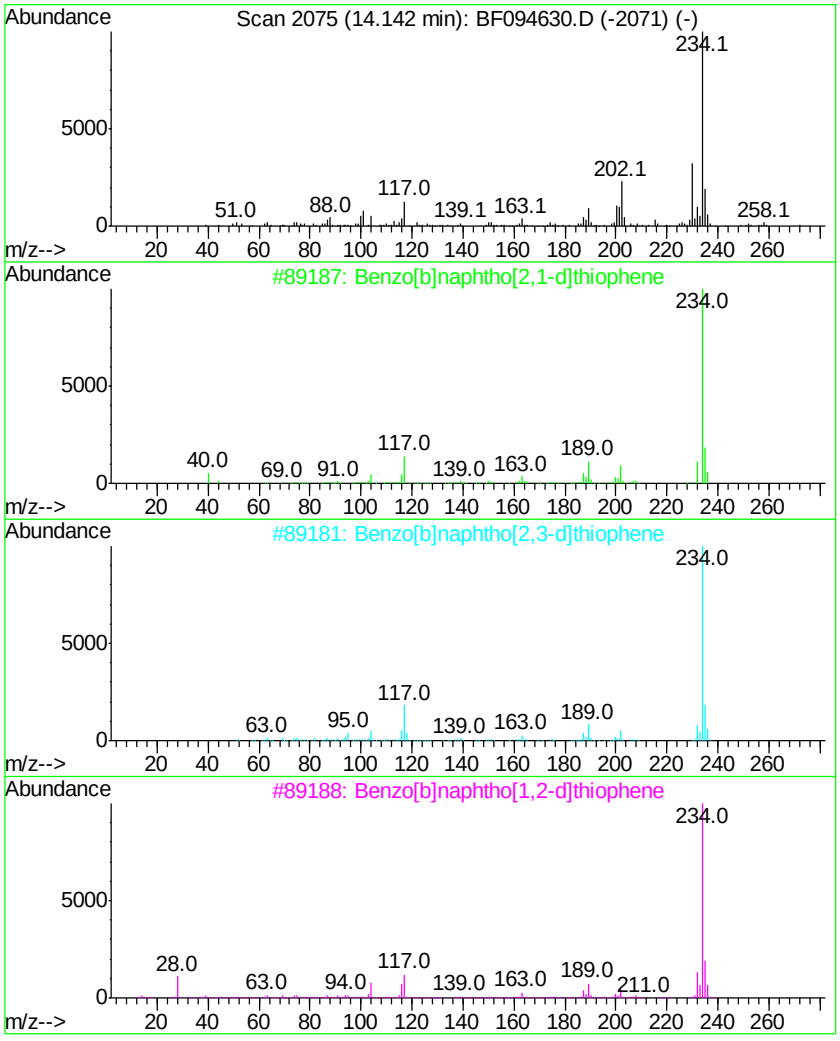
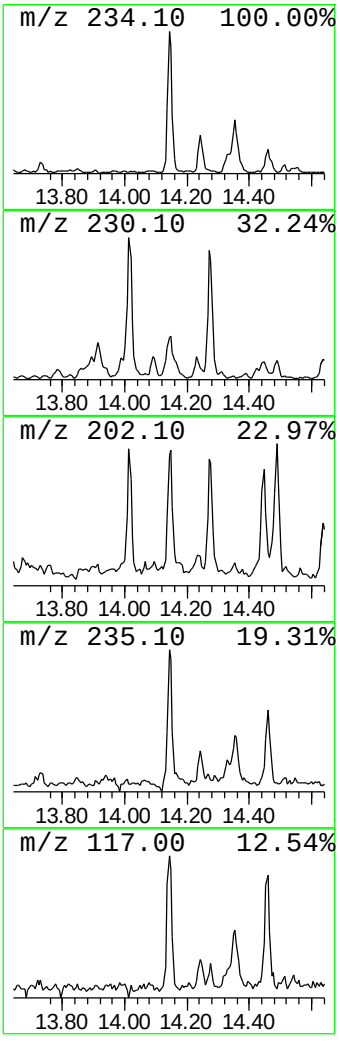
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.57 ng	225614	Chrysene-d12	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46





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Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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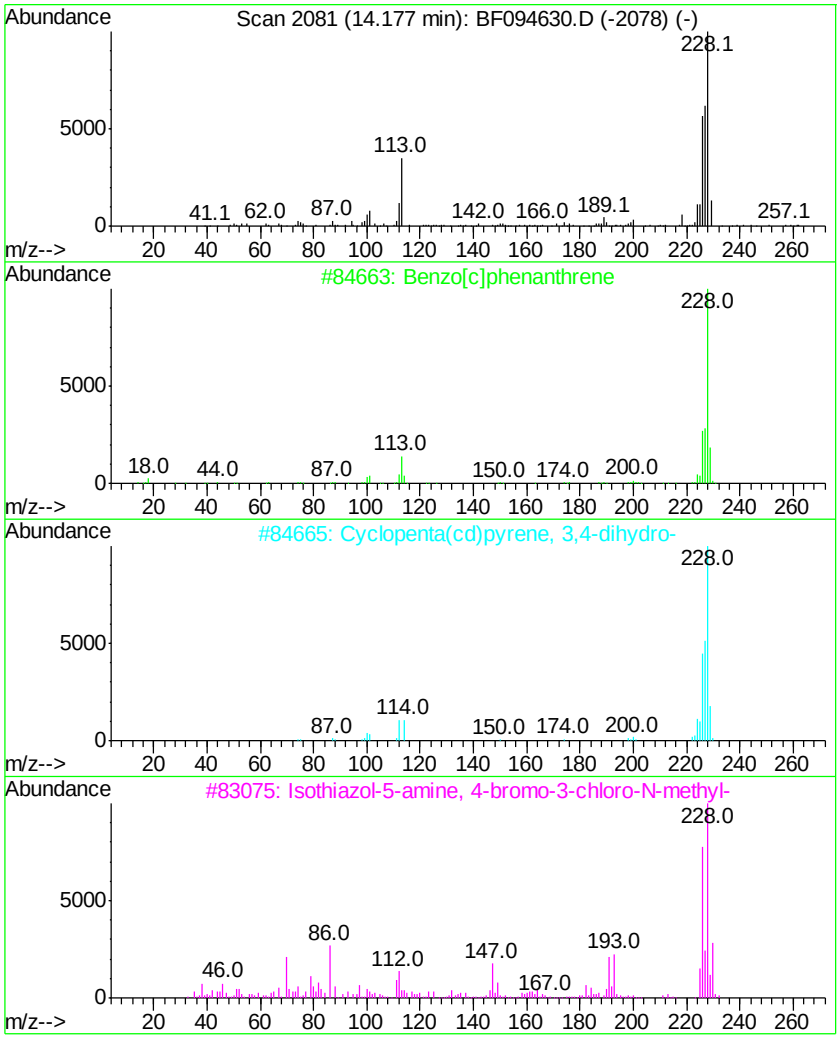
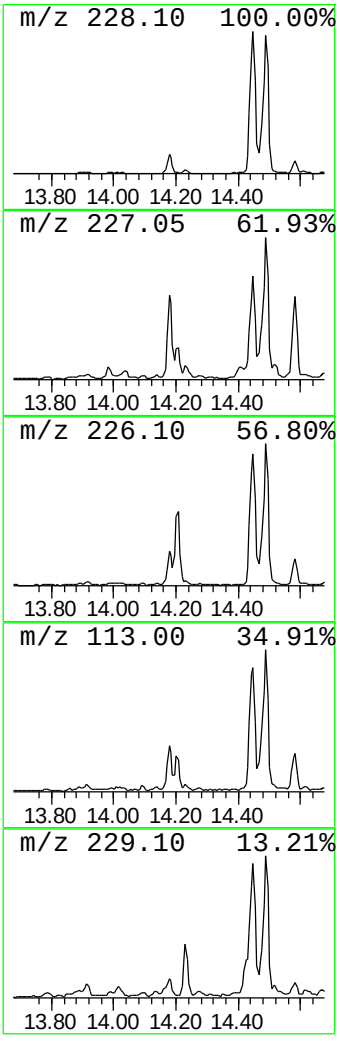
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	2.50 ng	220310	Chrysene-d12	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Benz[a]anthracene	228	C18H12	000056-55-3	43
5	Chrysene	228	C18H12	000218-01-9	43





Library Search Compound Report

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Data File : BF094630.D
Acq On : 26 Apr 2017 3:46
Operator : SJ/MA
Sample : I2820-01 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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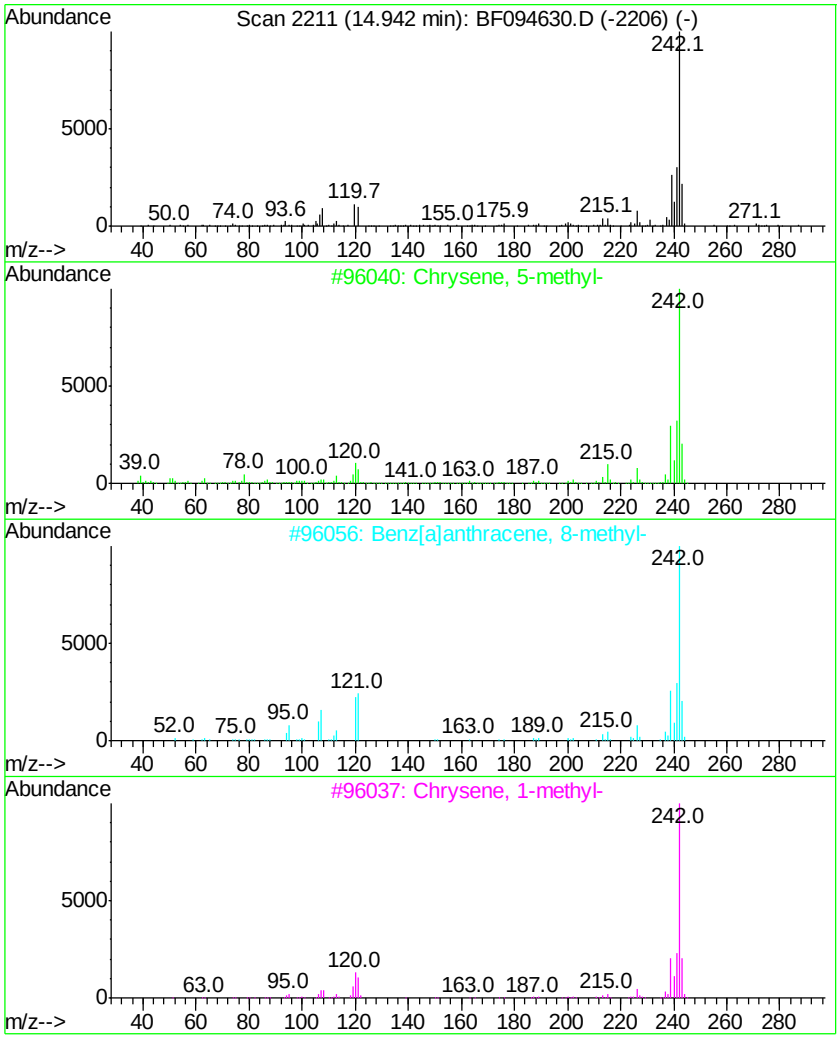
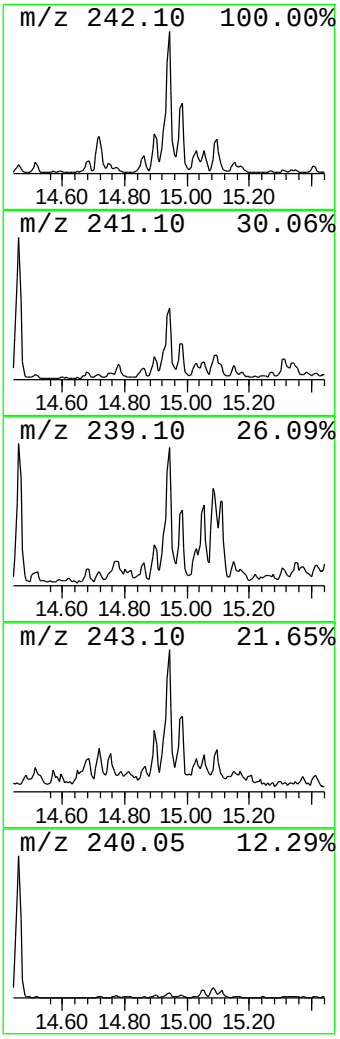
Peak Number 18 Chrysene, 5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	2.88 ng	253539	Chrysene-d12	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	90
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89





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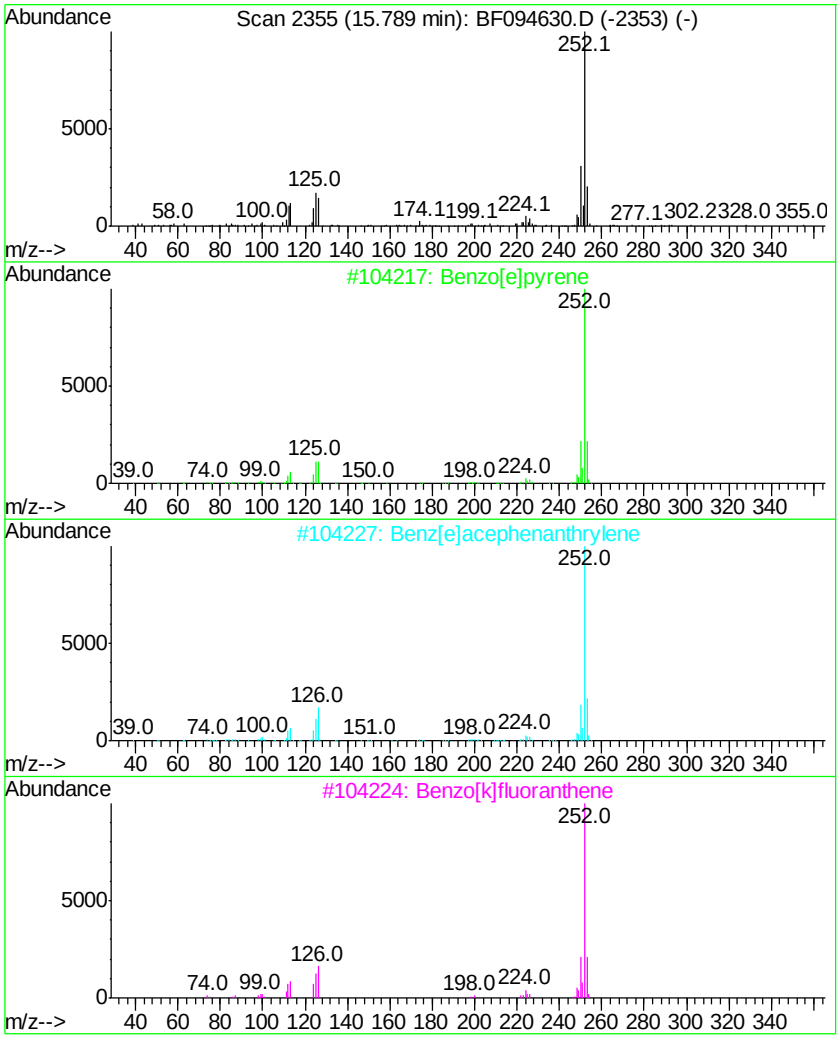
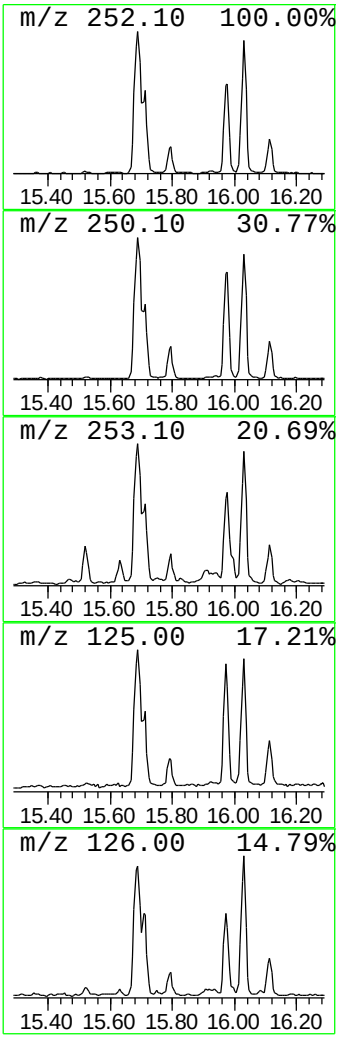
Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	5.48 ng	127537	Perylene-d12	16.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

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Data File : BF094630.D
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Misc :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown5.50	5.50	16.9	ng	569434	1	5.75	674920	20.0
Phenanthrene, 2-m...	11.83	6.0	ng	217456	4	11.20	723793	20.0
4H-Cyclopenta[def...	11.95	11.5	ng	416176	4	11.20	723793	20.0
Anthracene, 1-met...	11.99	4.7	ng	171036	4	11.20	723793	20.0
Naphthalene, 2-ph...	12.20	4.6	ng	165461	4	11.20	723793	20.0
9H-Fluoren-9-one	12.22	3.1	ng	113168	4	11.20	723793	20.0
Phenanthrene, 2,5...	12.51	6.5	ng	236622	4	11.20	723793	20.0
Cyclopenta(def)ph...	12.61	5.3	ng	192805	4	11.20	723793	20.0
9-Anthracenecarbo...	12.77	2.4	ng	87351	4	11.20	723793	20.0
Pyrene, 1-methyl-	13.26	2.6	ng	231420	5	14.46	1759070	20.0
Benzo[b]naphtho[2...	14.14	2.6	ng	225614	5	14.46	1759070	20.0
Benzo[c]phenanthrene	14.18	2.5	ng	220310	5	14.46	1759070	20.0
Chrysene, 5-methyl-	14.94	2.9	ng	253539	5	14.46	1759070	20.0
Benzo[e]pyrene	15.79	5.5	ng	127537	6	16.08	465553	20.0