LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104476.D
Acq On : 13 Apr 2018 14:14
Operator : JU/SJ
Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

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-BF040618.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	5.028	495	500	510	rVB	101070	130439	4.39%	0.307%
2	5.428	562	568	571	rBV	2524810	2681405	90.34%	6.314%
3	6.445	735	741	745	rBV	2395032	2781459	93.71%	6.550%
4	6.581	759	764	767	rBV	2871251	2793967	94.13%	6.579%
5	6.810	799	803	806	rBV	1014443	836051	28.17%	1.969%
6	6.963	825	829	833	rBV	2277505	2157964	72.70%	5.081%
7	7.375	893	899	902	rBV	1857878	1771734	59.69%	4.172%
8	7.451	908	912	921	rVB	29831	36843	1.24%	0.087%
9	8.092	1016	1021	1024	rBV	1444947	1157208	38.99%	2.725%
10	9.169	1199	1204	1207	rBV	3259100	2968149	100.00%	6.989%
11	9.245	1214	1217	1219	rBV	41071	31232	1.05%	0.074%
12	9.504	1256	1261	1263	rBV2	46047	45147	1.52%	0.106%
13	9.563	1267	1271	1274	rBV	398536	326339	10.99%	0.768%
14	9.774	1304	1307	1310	rBV	122418	88343	2.98%	0.208%
15	9.851	1316	1320	1323	rBV	1367388	1248978	42.08%	2.941%
16	9.880	1323	1325	1328	rVB	110761	82456	2.78%	0.194%
17	10.051	1349	1354	1358	rVV	86720	87224	2.94%	0.205%
18	10.092	1358	1361	1365	rVB3	39532	42658	1.44%	0.100%
19	10.251	1384	1388	1390	rBV2	64237	66945	2.26%	0.158%
20	10.274	1390	1392	1395	rVB	150267	114197	3.85%	0.269%
21	10.392	1409	1412	1418	rVB2	108102	106301	3.58%	0.250%
22	10.486	1425	1428	1436	rVV2	31772	55226	1.86%	0.130%
23	10.551	1436	1439	1442	rVB	68970	57929	1.95%	0.136%
24	10.639	1448	1454	1458	rBV	1976190	2001923	67.45%	4.714%
25	10.751	1470	1473	1482	rVB2	118771	148935	5.02%	0.351%
26	10.945	1500	1506	1509	rBV5	54742	87591	2.95%	0.206%
27	11.074	1524	1528	1529	rBV3	54360	57882	1.95%	0.136%
28	11.139	1536	1539	1543	rVB	90877	82115	2.77%	0.193%
29	11.198	1543	1549	1551	rVV2	76752	120498	4.06%	0.284%
30	11.233	1552	1555	1560	rVB	104349	103689	3.49%	0.244%
31	11.339	1569	1573	1575	rBV	1439361	1298656	43.75%	3.058%
32	11.363	1575	1577	1580	rVV	1352718	1010520	34.05%	2.379%
33	11.410	1582	1585	1588	rVB	401678	357621	12.05%	0.842%
34	11.563	1606	1611	1614	rBV3	113807	179126	6.03%	0.422%

LSC Area Percent Report

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.627	1620	1622	1626	rVV3	55300	50804	1.71%	0.120%
36	11.668	1626	1629	1633	rVB4	42931	44336	1.49%	0.104%
37	11.839	1652	1658	1660	rBV	210539	193441	6.52%	0.455%
38	11.868	1660	1663	1666	rVV	298425	254530	8.58%	0.599%
39	11.915	1667	1671	1673	rBV	173076	140552	4.74%	0.331%
40	11.951	1673	1677	1679	rVV	258172	280058	9.44%	0.659%
41	11.974	1679	1681	1685	rVB	143252	113222	3.81%	0.267%
42	12.039	1685	1692	1695	rBV6	34314	75181	2.53%	0.177%
43	12.133	1706	1708	1711	rBV	146907	120057	4.04%	0.283%
44	12.157	1711	1712	1716	rVB	55489	43333	1.46%	0.102%
45	12.286	1731	1734	1736	rVB2	48835	39795	1.34%	0.094%
46	12.315	1736	1739	1741	rBV	47585	37439	1.26%	0.088%
47	12.339	1741	1743	1746	rVB	69418	56342	1.90%	0.133%
48	12.386	1746	1751	1755	rBV	142017	205531	6.92%	0.484%
49	12.427	1755	1758	1760	rVV4	80305	96314	3.24%	0.227%
50	12.474	1763	1766	1772	rVB	148296	153077	5.16%	0.360%
51	12.557	1775	1780	1783	rBV	1772800	1562744	52.65%	3.680%
52	12.615	1788	1790	1793	rVB2	58236	45614	1.54%	0.107%
53	12.704	1802	1805	1808	rVB2	61083	58349	1.97%	0.137%
54	12.786	1813	1819	1823	rVV2	1478325	1605410	54.09%	3.780%
55	12.827	1823	1826	1832	rVB3	113086	161966	5.46%	0.381%
56	12.927	1839	1843	1850	rVB	2679298	2828320	95.29%	6.660%
57	13.004	1850	1856	1859	rBV2	132355	237798	8.01%	0.560%
58	13.086	1867	1870	1872	rBV3	100742	127260	4.29%	0.300%
59	13.110	1872	1874	1877	rVB	151832	127631	4.30%	0.301%
60	13.174	1883	1885	1888	rBV	57316	46008	1.55%	0.108%
61	13.215	1888	1892	1895	rVV2	189580	211099	7.11%	0.497%
62	13.268	1899	1901	1905	rBV	46355	51178	1.72%	0.121%
63	13.304	1905	1907	1910	rVB	82846	72372	2.44%	0.170%
64	13.339	1910	1913	1916	rBV2	84073	100265	3.38%	0.236%
65	13.404	1922	1924	1930	rVB4	53267	77738	2.62%	0.183%
66	13.492	1935	1939	1941	rVV4	41046	66997	2.26%	0.158%
67	13.515	1941	1943	1948	rVB4	47865	62893	2.12%	0.148%
68	13.615	1957	1960	1965	rVB	174901	164208	5.53%	0.387%
69	13.727	1975	1979	1982	rBV2	115570	164037	5.53%	0.386%
70	13.757	1982	1984	1986	rVV	138644	127260	4.29%	0.300%
71	13.780	1986	1988	1992	rVV2	107321	146920	4.95%	0.346%

LSC Area Percent Report

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Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.821	1992	1995	2003	rVB3	262549	334571	11.27%	0.788%
73	13.909	2003	2010	2015	rBV2	33880	76488	2.58%	0.180%
74	13.986	2015	2023	2025	rBV2	1221716	1843075	62.10%	4.340%
75	14.009	2025	2027	2033	rVB	703798	615566	20.74%	1.449%
76	14.086	2038	2040	2042	rVB	44659	33369	1.12%	0.079%
77	14.209	2057	2061	2064	rBV2	52450	70219	2.37%	0.165%
78	14.374	2084	2089	2092	rVB	144309	135424	4.56%	0.319%
79	14.409	2092	2095	2098	rVB	76124	71720	2.42%	0.169%
80	14.462	2098	2104	2107	rBV5	59717	93130	3.14%	0.219%
81	14.498	2107	2110	2112	rBV	54435	51171	1.72%	0.120%
82	14.574	2121	2123	2128	rVB4	53277	57940	1.95%	0.136%
83	14.709	2144	2146	2151	rVB5	31968	41445	1.40%	0.098%
84	14.762	2152	2155	2158	rBV3	32740	34420	1.16%	0.081%
85	14.833	2164	2167	2171	rBV2	78945	108867	3.67%	0.256%
86	14.933	2180	2184	2188	rBV3	45633	65300	2.20%	0.154%
87	15.027	2195	2200	2203	rBV	473843	734039	24.73%	1.728%
88	15.133	2214	2218	2221	rVB	114571	117544	3.96%	0.277%
89	15.221	2230	2233	2234	rBV3	40192	37965	1.28%	0.089%
90	15.327	2247	2251	2257	rVB	264456	345525	11.64%	0.814%
91	15.386	2257	2261	2267	rBV	411170	514860	17.35%	1.212%
92	15.451	2267	2272	2276	rBV	638540	872117	29.38%	2.054%
93	15.480	2276	2277	2283	rVB2	138852	136299	4.59%	0.321%
94	15.715	2315	2317	2322	rBV5	18284	31715	1.07%	0.075%
95	16.903	2513	2519	2527	rVB2	179565	368757	12.42%	0.868%
96	17.074	2543	2548	2554	rBV	58187	124743	4.20%	0.294%
97	17.139	2554	2559	2564	rVV3	41428	70927	2.39%	0.167%
98	17.345	2588	2594	2601	rVB	125275	236558	7.97%	0.557%
99	17.474	2612	2616	2628	rVB	36772	86088	2.90%	0.203%
100	17.568	2628	2632	2640	rVB	42338	91193	3.07%	0.215%

Sum of corrected areas: 42467864

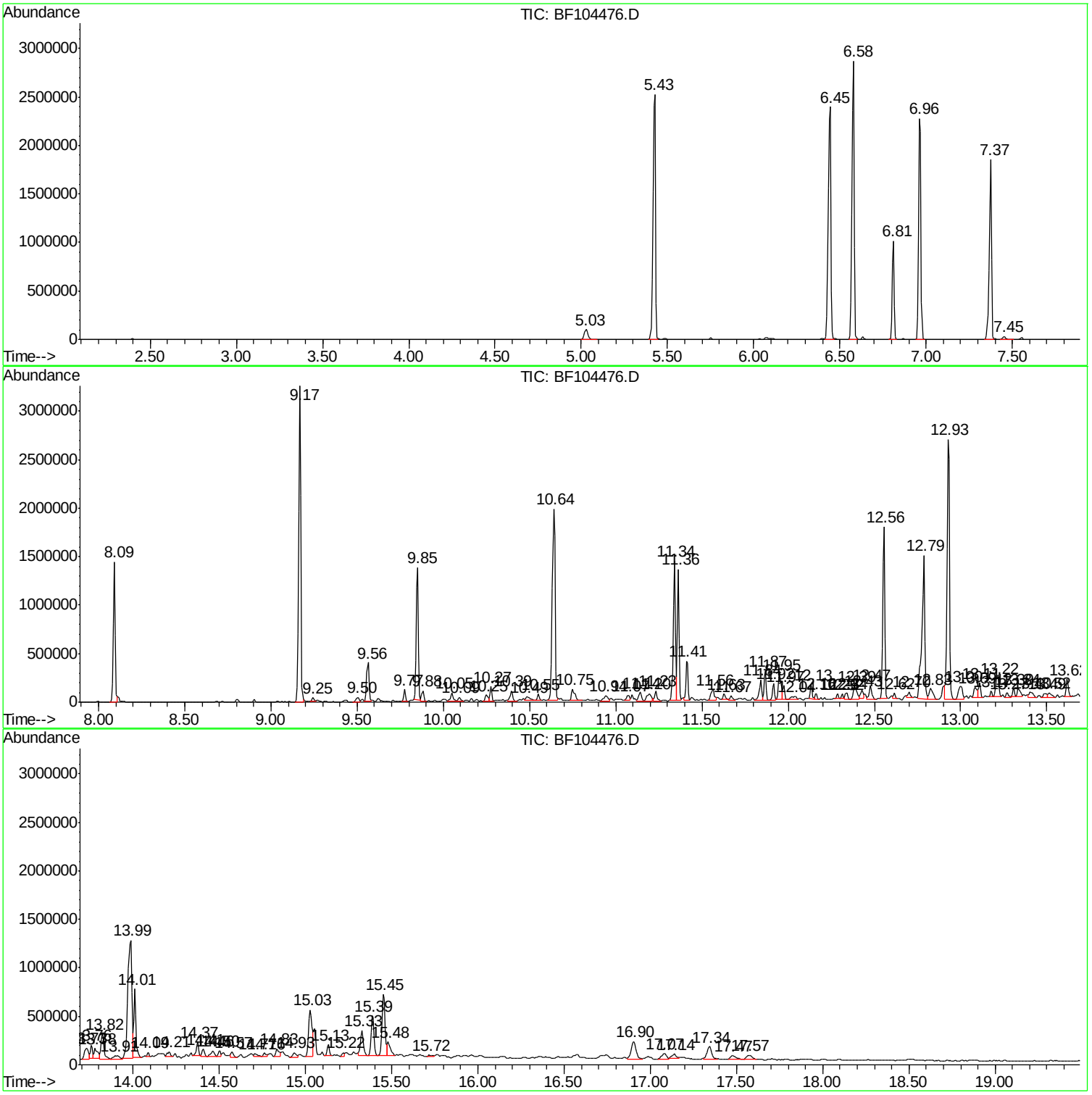
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104476.D
Acq On : 13 Apr 2018 14:14
Operator : JU/SJ
Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
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Instrument : BNA_F
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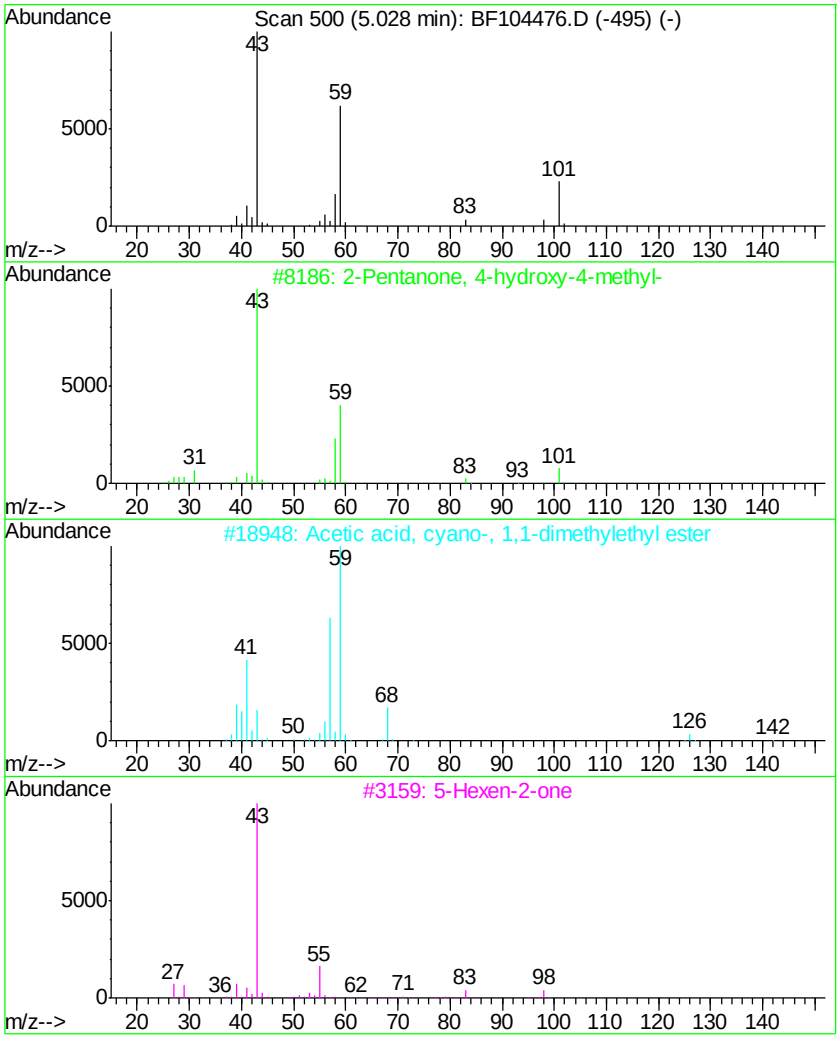
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

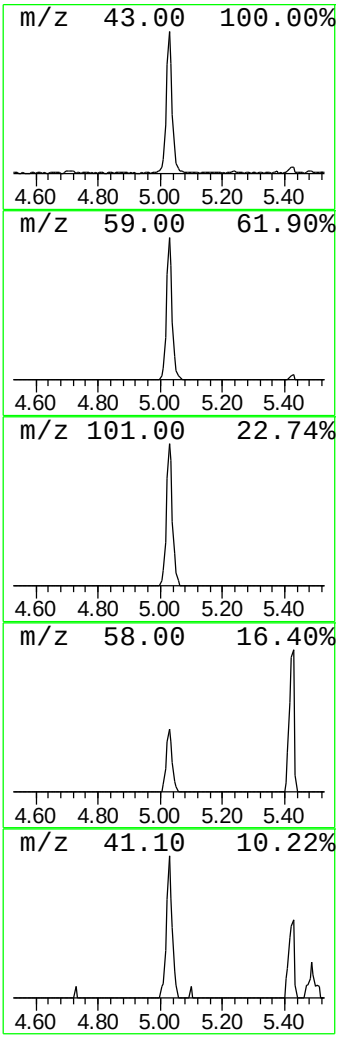
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	3.12 ng	130439	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104476.D
Acq On : 13 Apr 2018 14:14
Operator : JU/SJ
Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

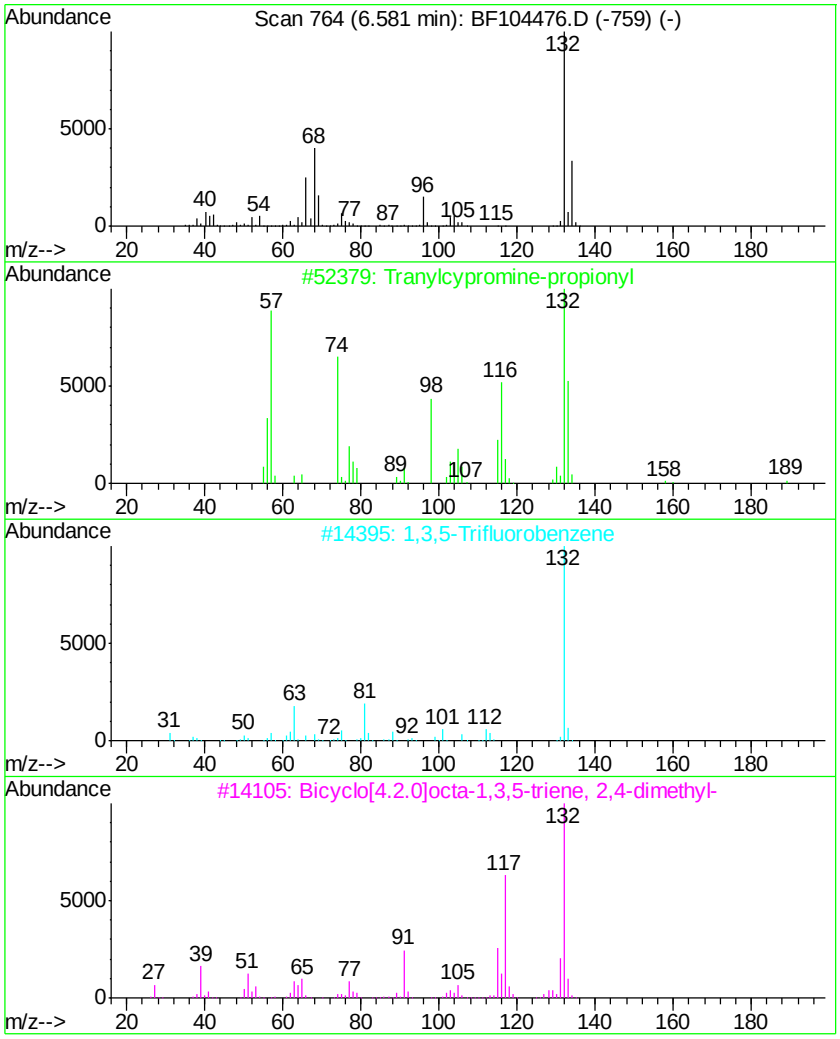
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

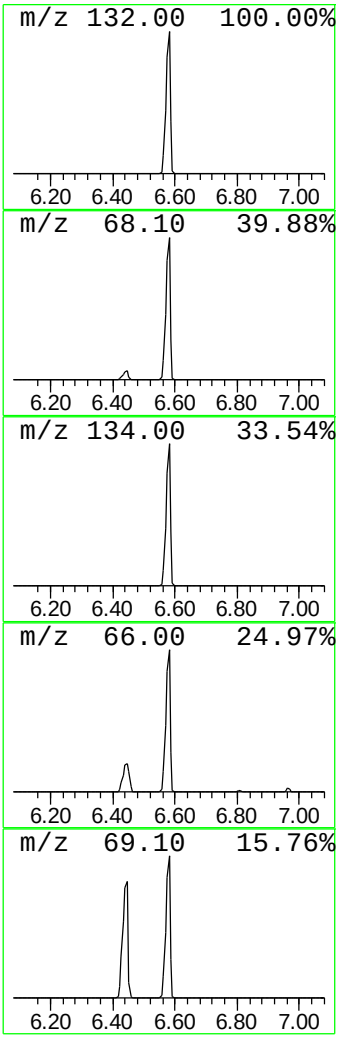
****

Peak Number 2 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	66.84 ng	2793970	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Sample : J2348-01
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Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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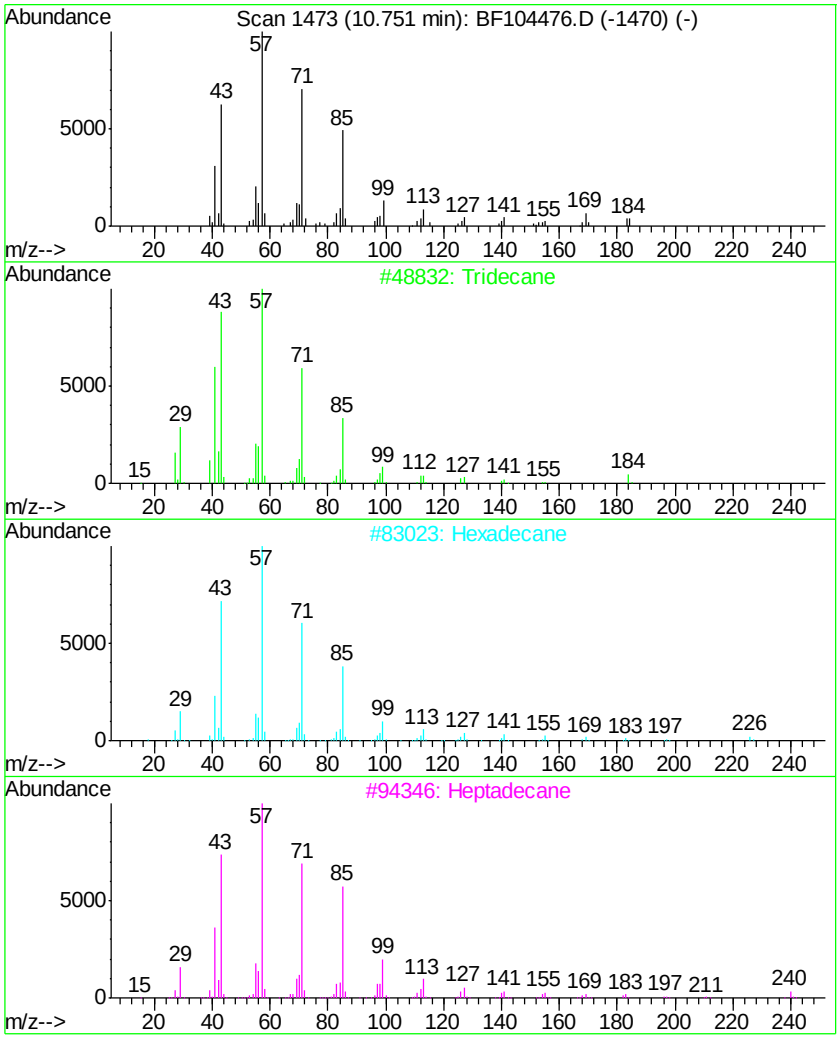
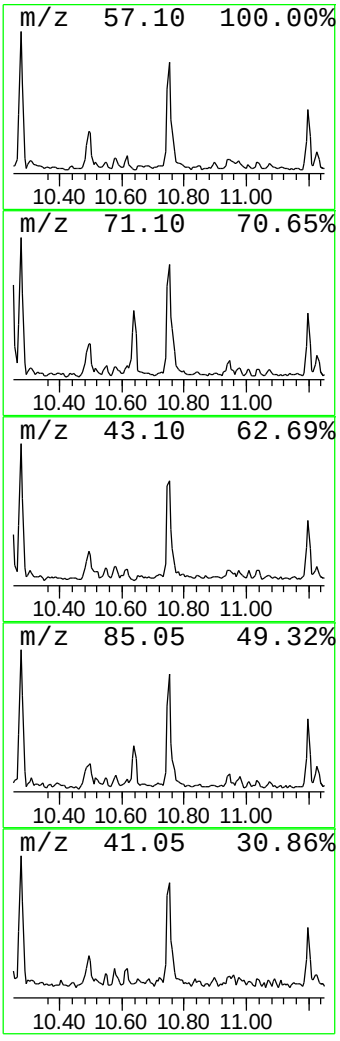
Peak Number 4 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	2.29 ng	148935	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heptadecane	240	C17H36	000629-78-7	83
4	Heneicosane	296	C21H44	000629-94-7	80
5	Tetradecane	198	C14H30	000629-59-4	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
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Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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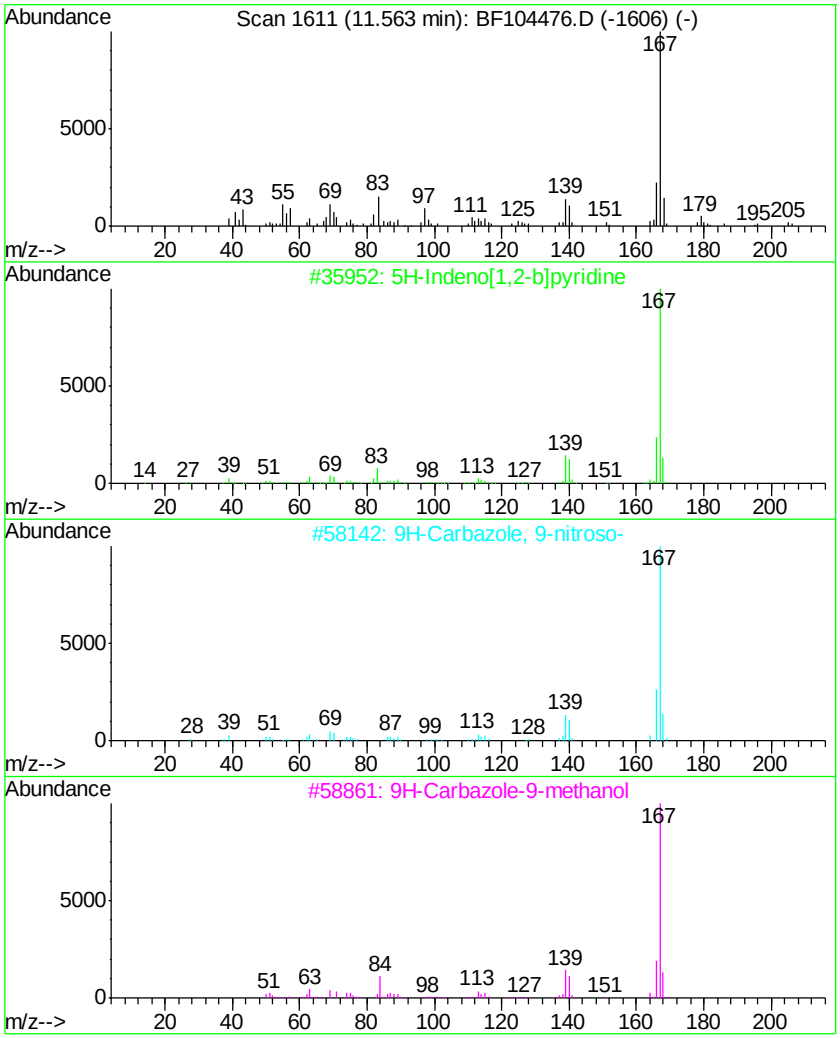
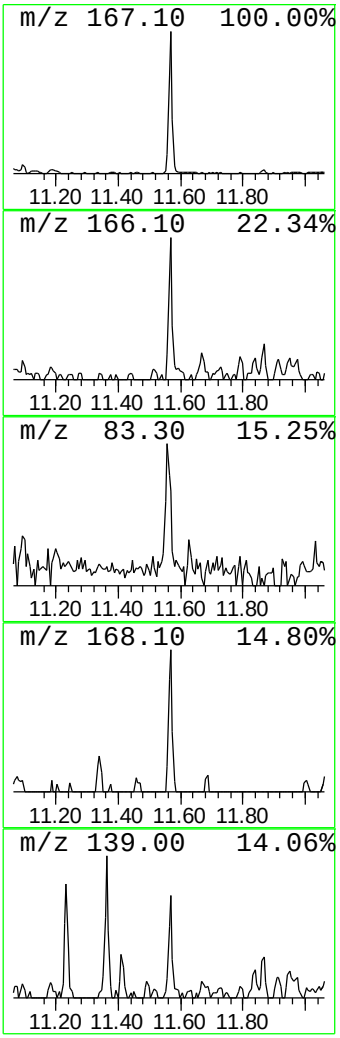
Peak Number 5 5H-Indeno[1,2-b]pyridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	2.76 ng	179126	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	91
2	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	83
3	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	83
4	Carbazole	167	C12H9N	000086-74-8	80
5	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104476.D
Acq On : 13 Apr 2018 14:14
Operator : JU/SJ
Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

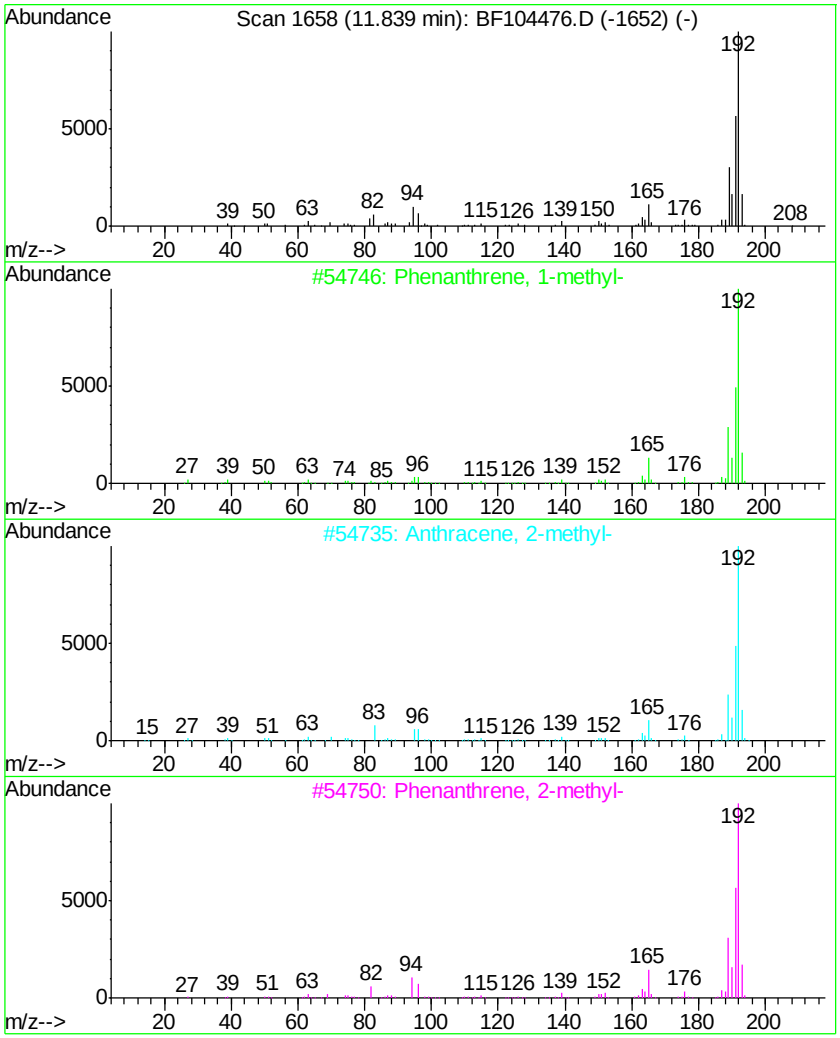
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

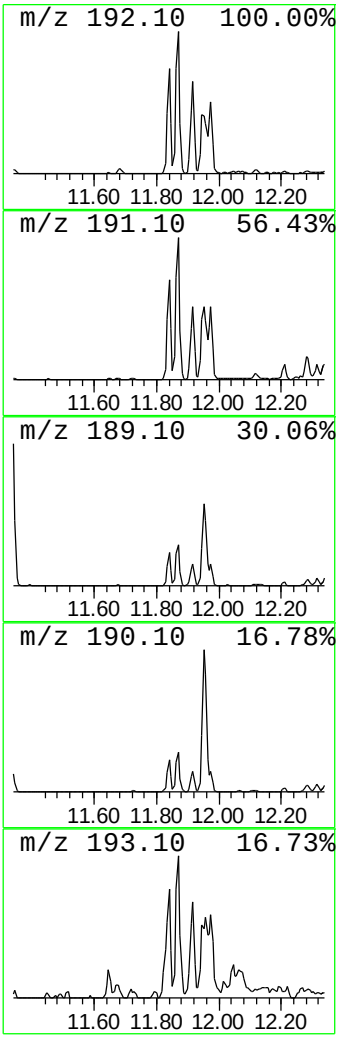
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.98 ng	193441	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Acq On : 13 Apr 2018 14:14
Operator : JU/SJ
Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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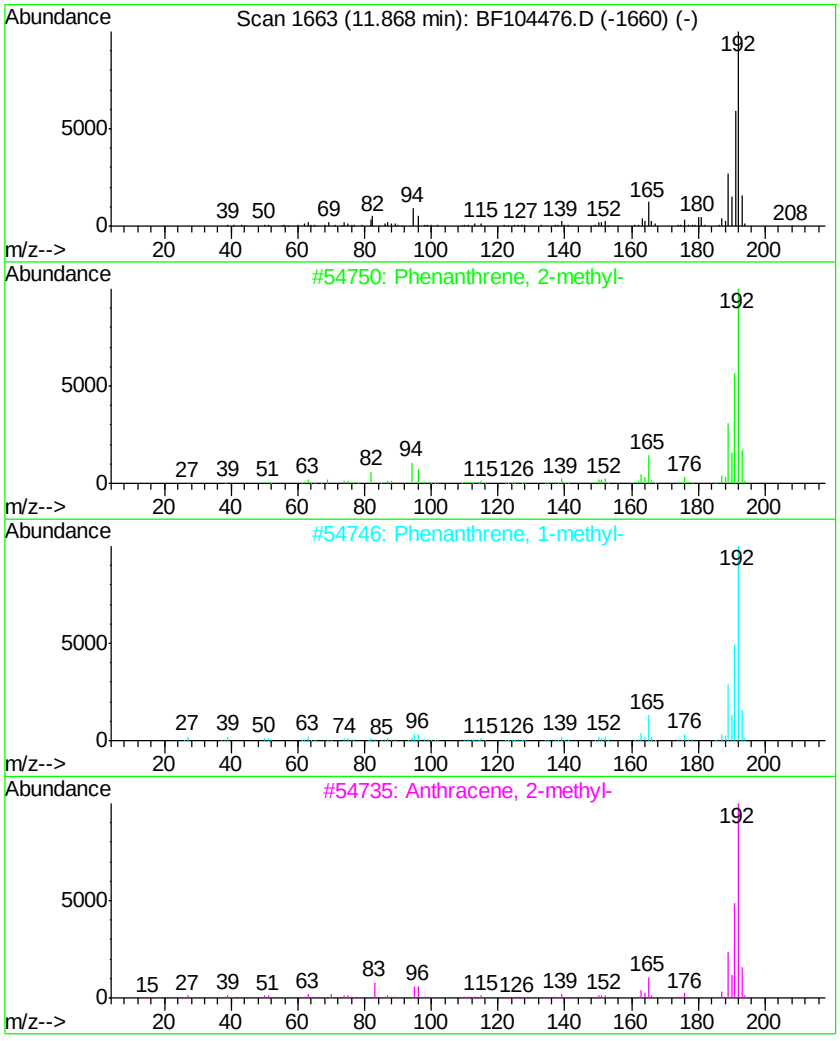
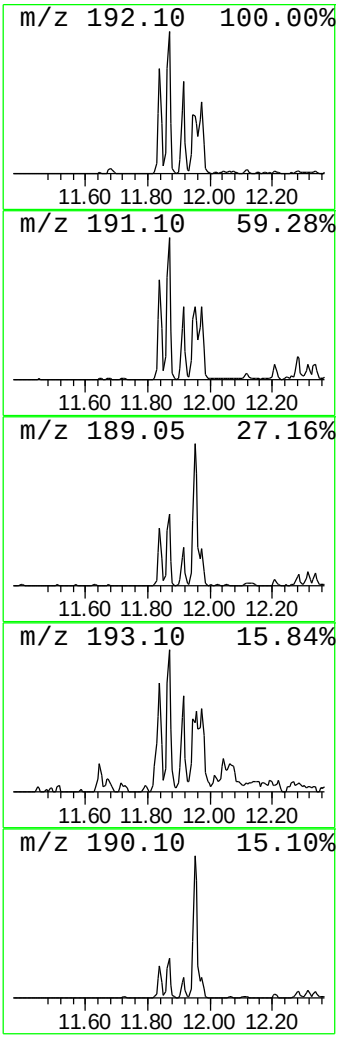
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.92 ng	254530	Phenanthrene-d10	11.34

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	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Instrument : BNA_F
ClientSampleId : 135-348

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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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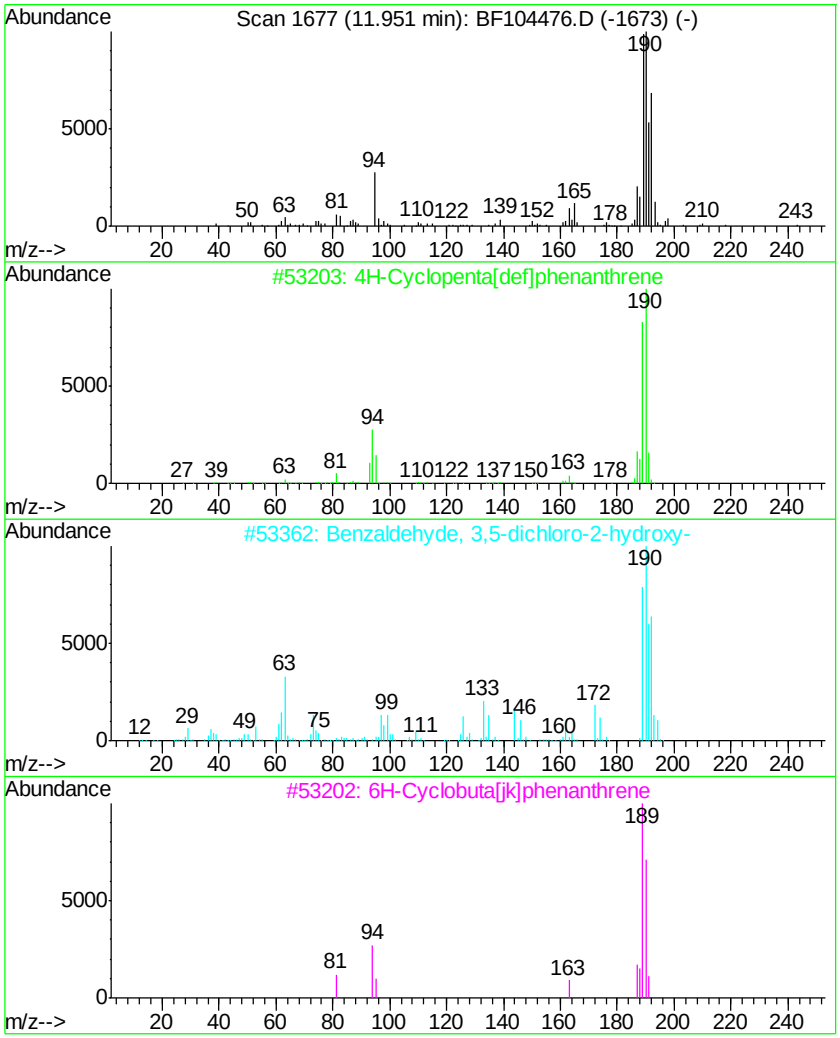
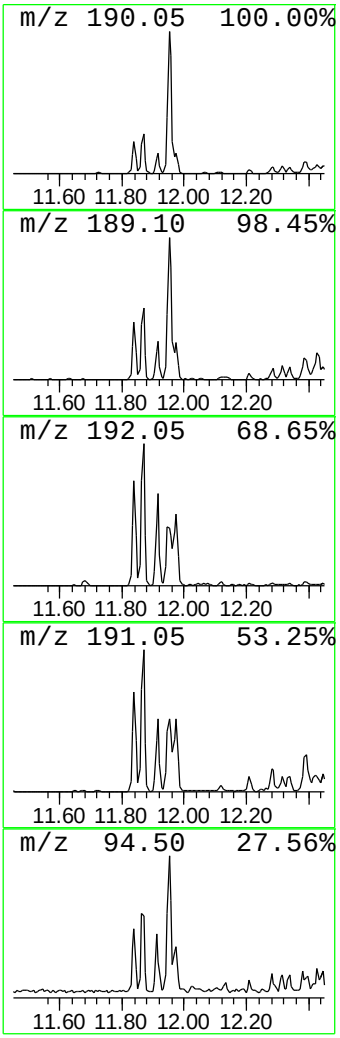
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.31 ng	280058	Phenanthrene-d10	11.34

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	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

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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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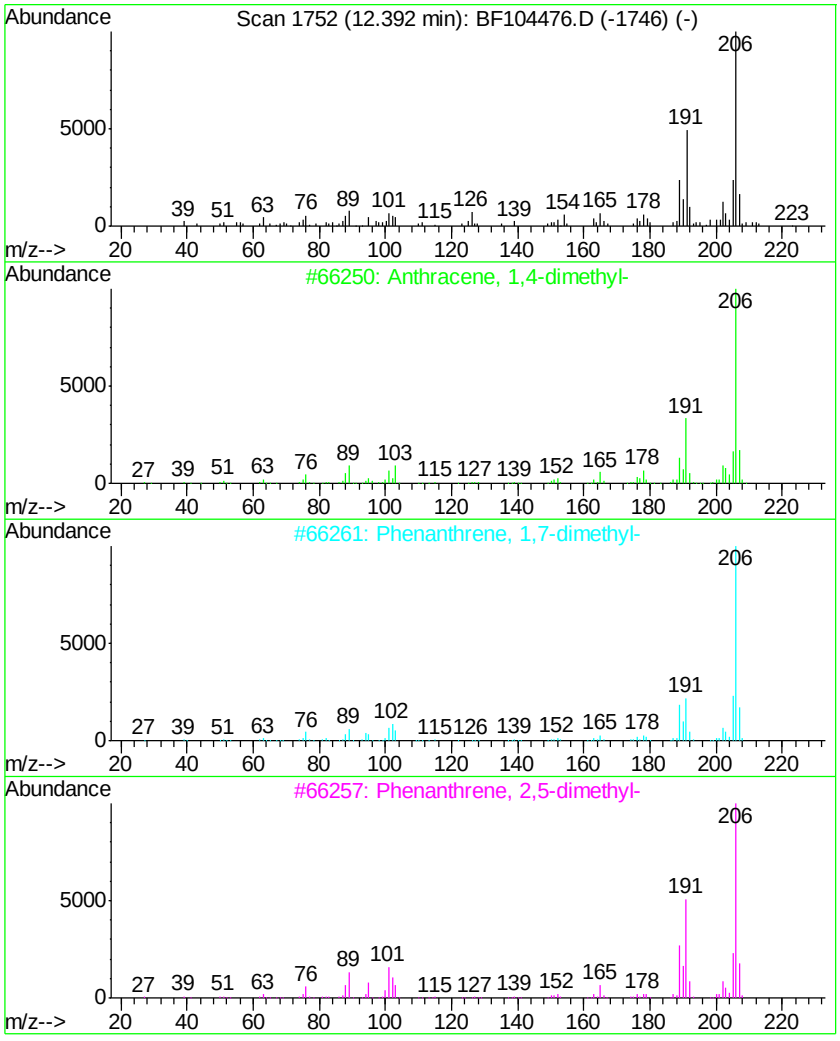
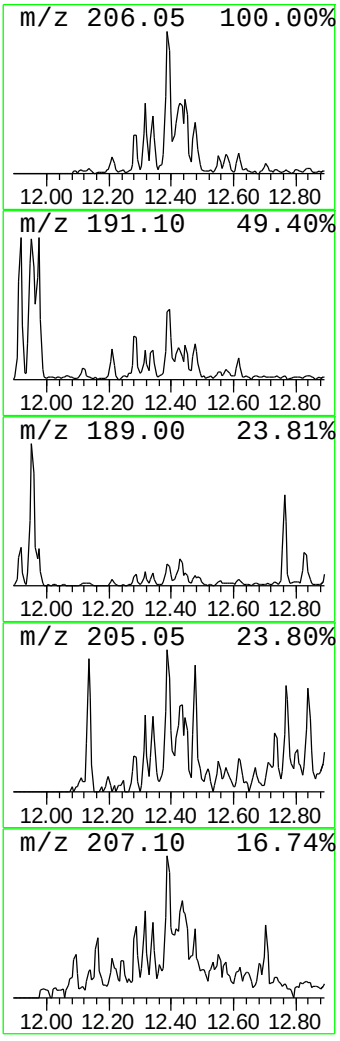
Peak Number 10 Anthracene, 1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.17 ng	205531	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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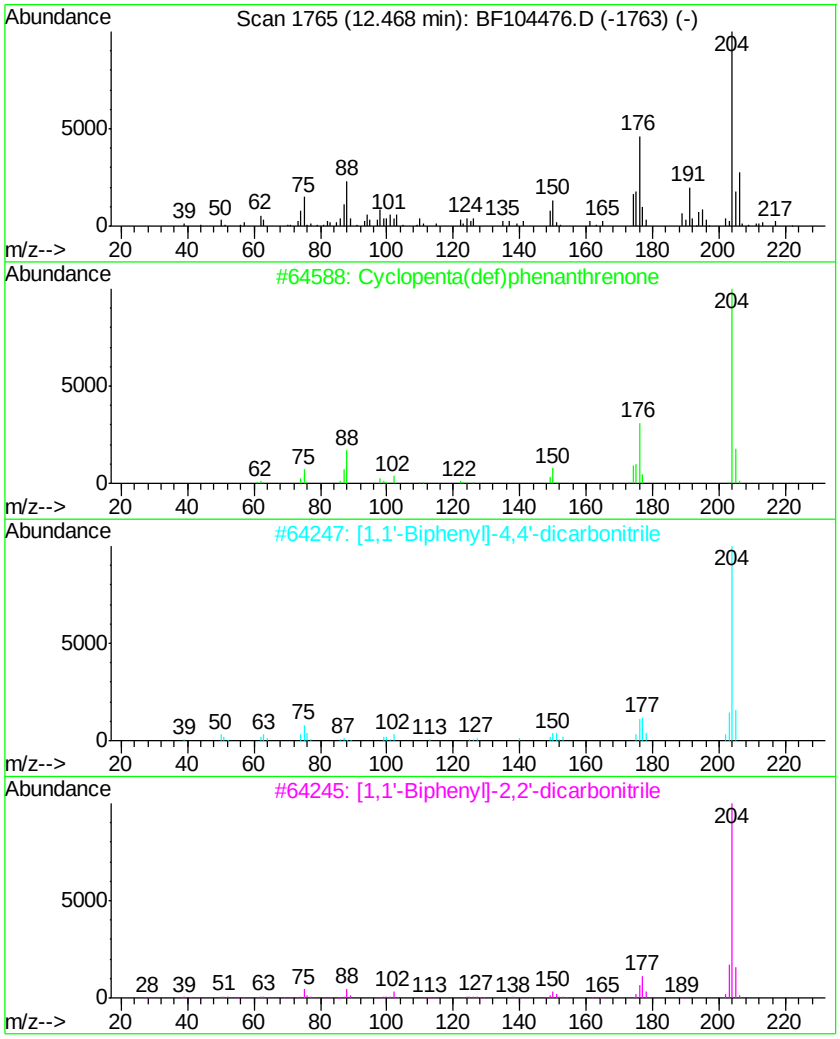
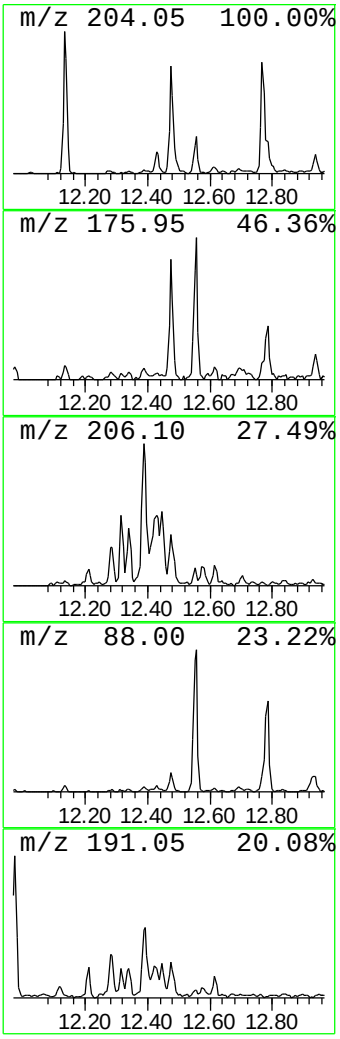
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.36 ng	153077	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Instrument : BNA_F
ClientSampleId : 135-348

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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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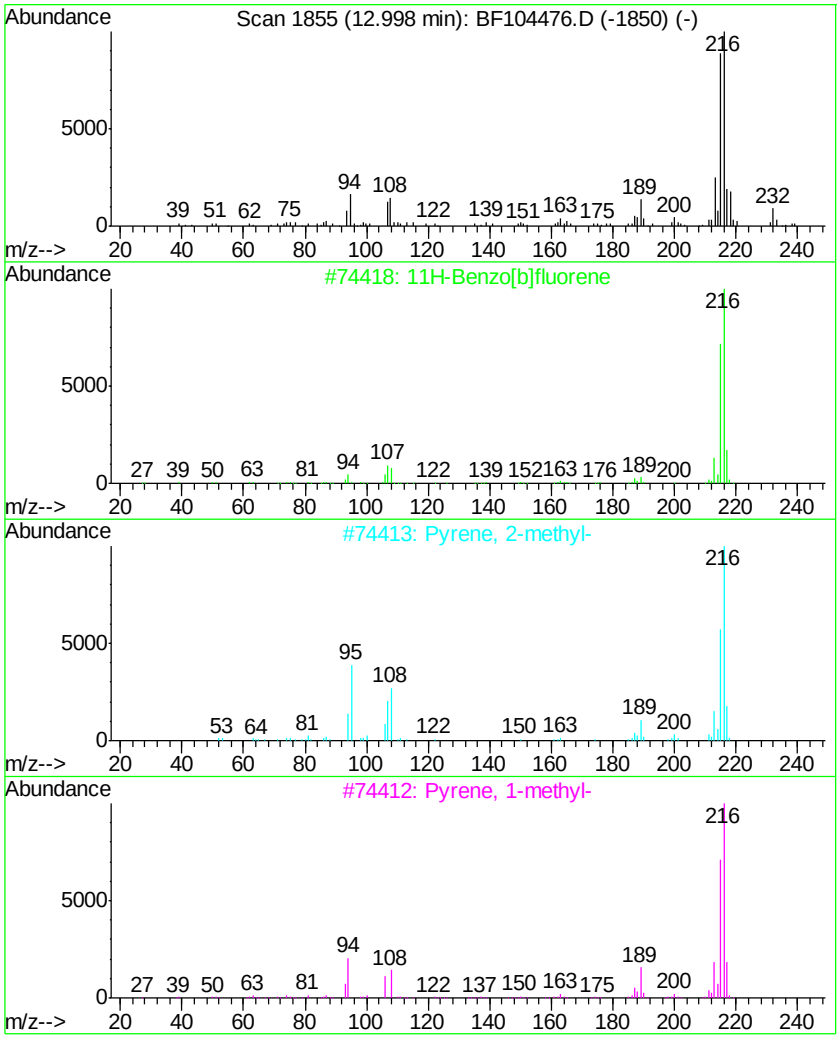
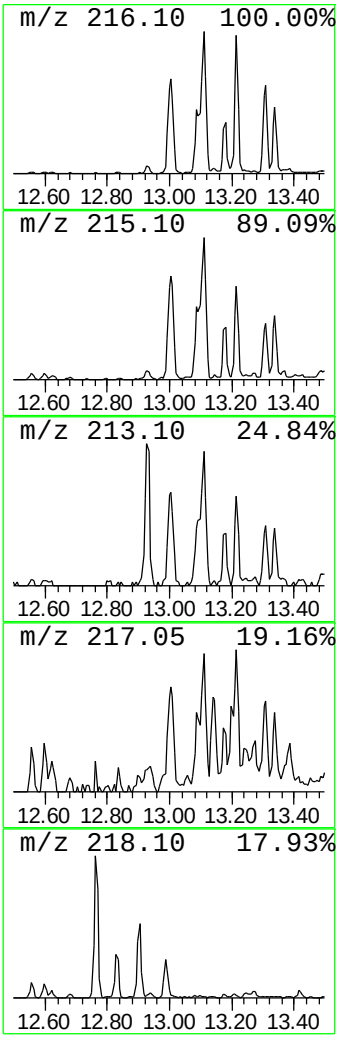
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.58 ng	237798	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Sample : J2348-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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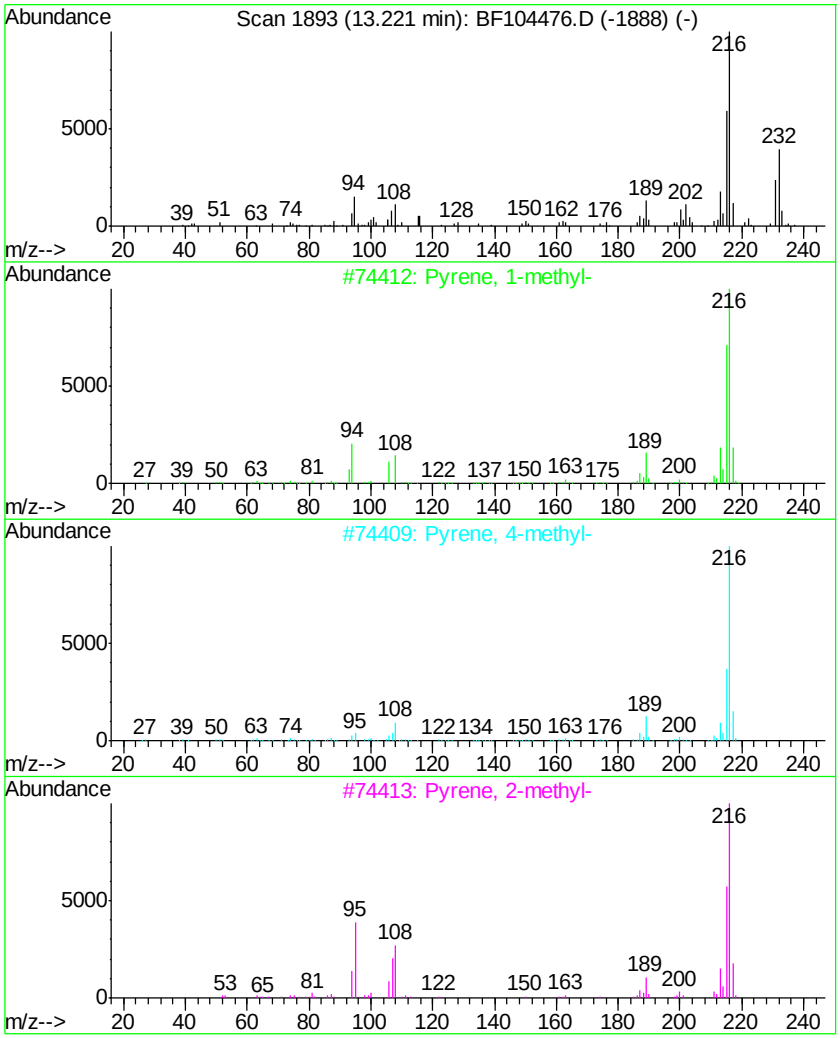
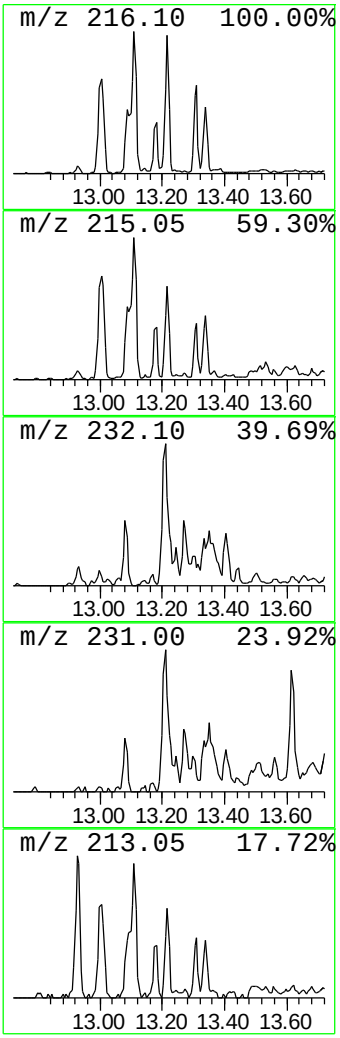
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.29 ng	211099	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 135-348

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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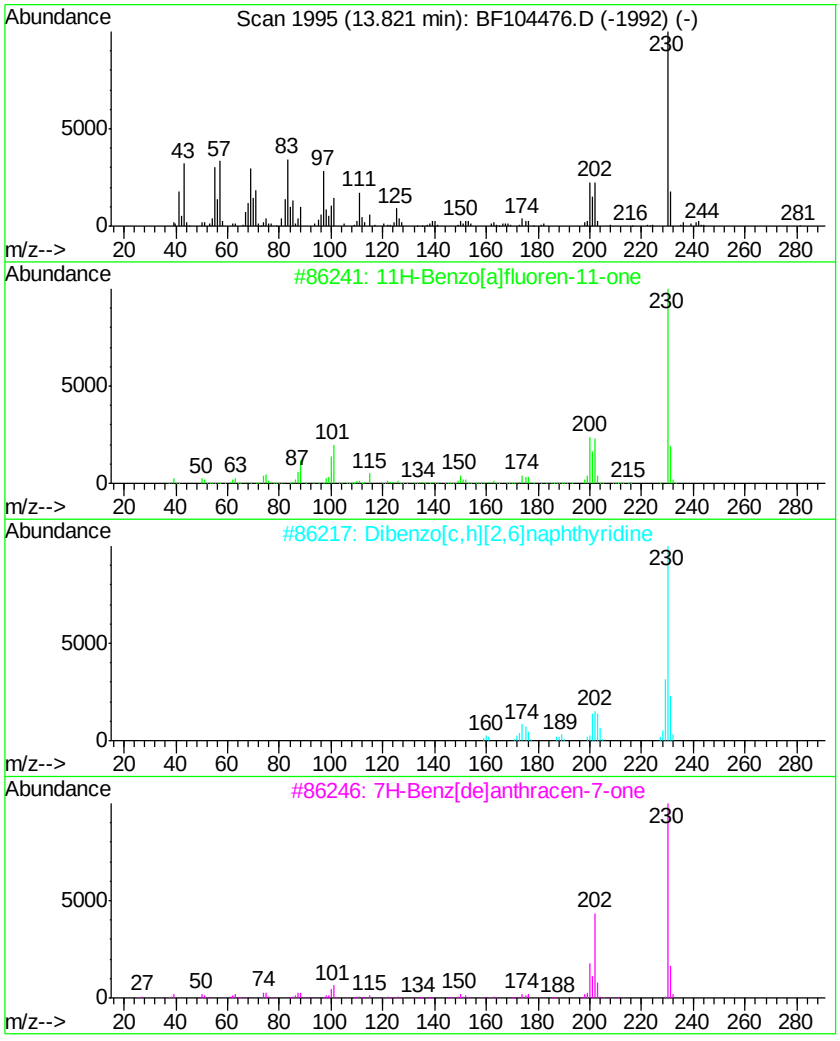
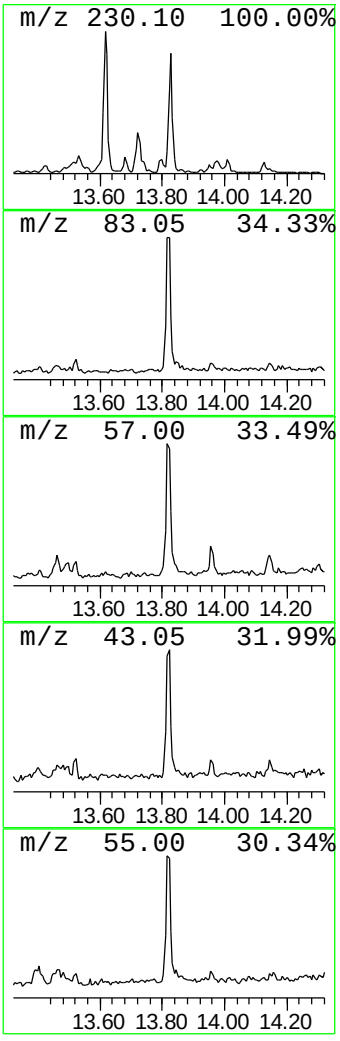
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.63 ng	334571	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	72
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	42
5	p-Terphenyl	230	C18H14	000092-94-4	38





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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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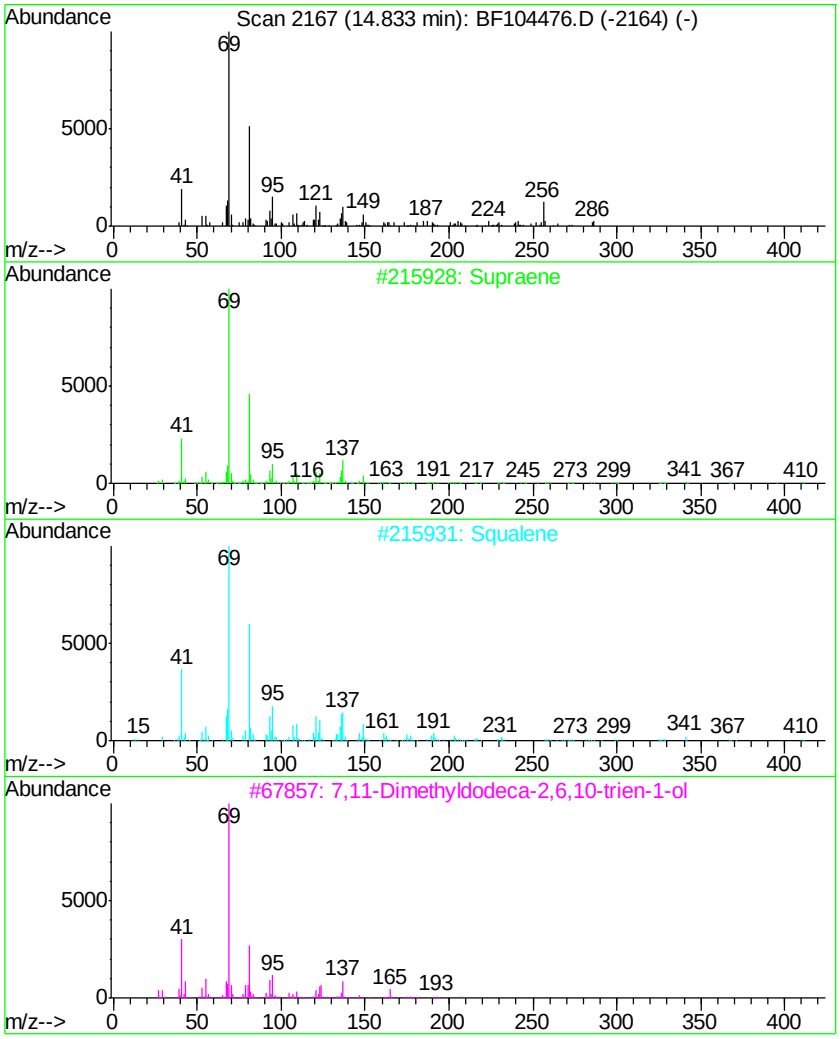
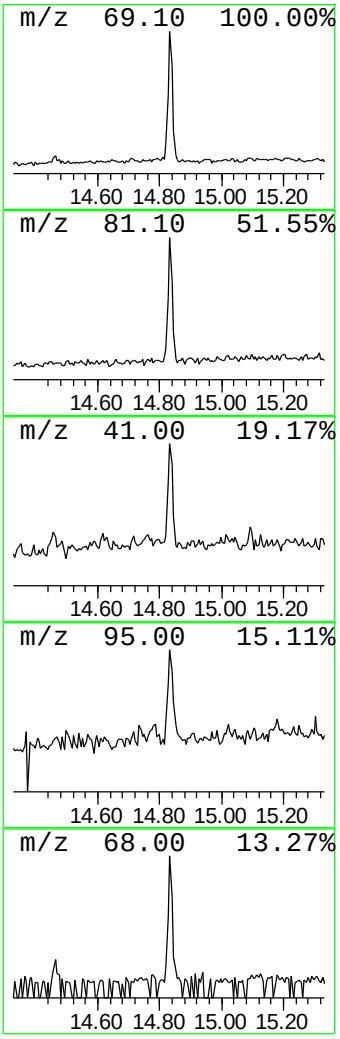
Peak Number 15 Supraene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.50 ng	108867	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	74
2	Squalene	410	C30H50	000111-02-4	72
3	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
4	2,6-Octadiene, 2,7-dimethyl-	138	C10H18	016736-42-8	50
5	Geraniol	154	C10H18O	000106-24-1	47





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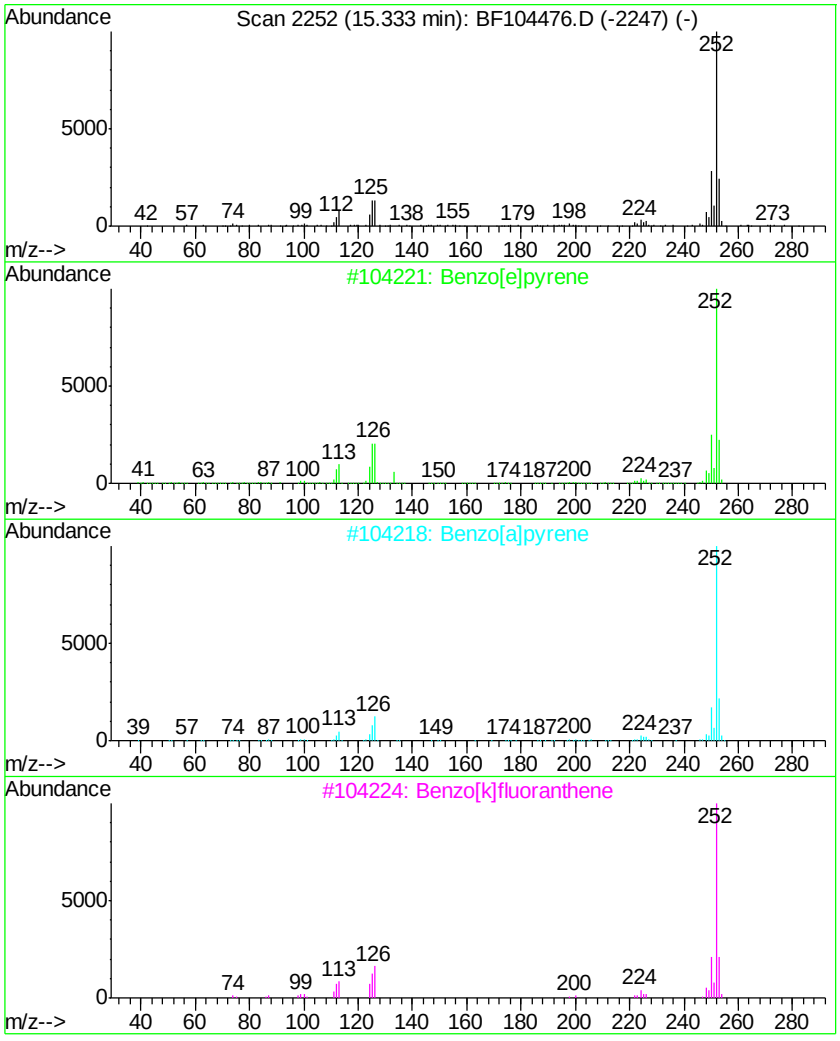
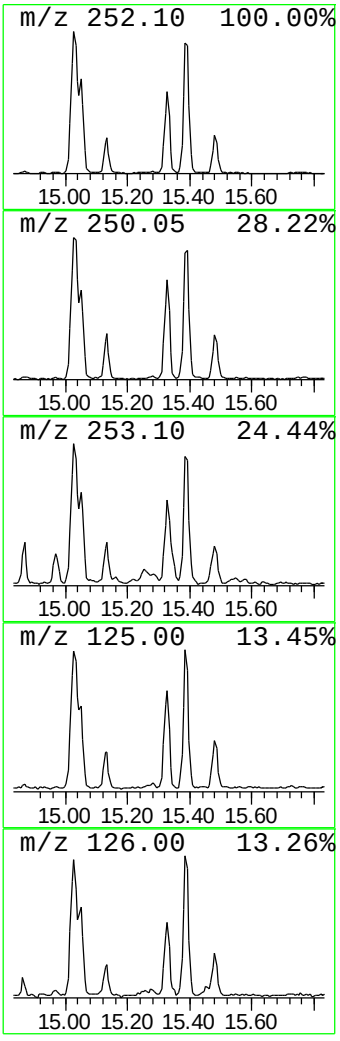
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	7.92 ng	345525	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Perylene	252	C20H12	000198-55-0	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Misc :
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Instrument : BNA_F
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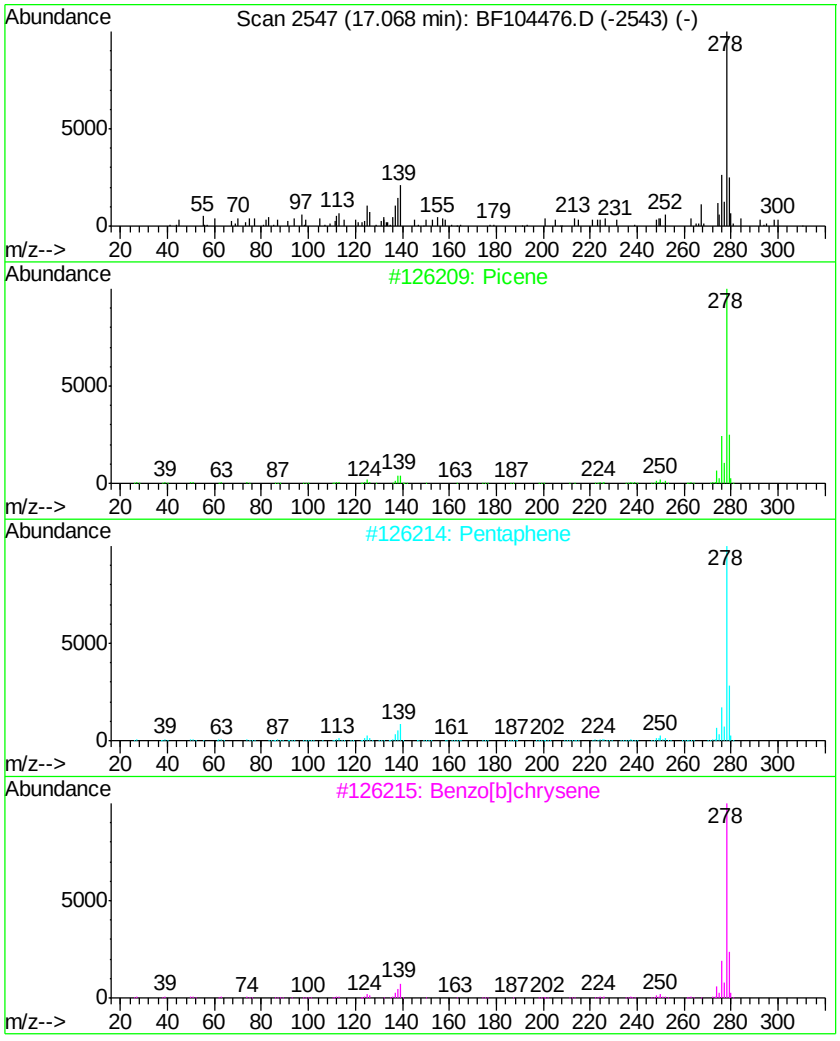
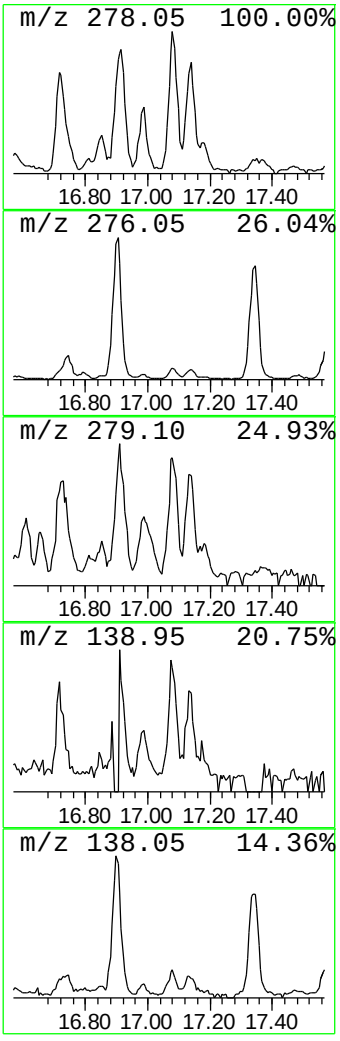
Peak Number 18 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	2.86 ng	124743	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Pentaphene	278	C22H14	000222-93-5	94
3	Benzo[b]chrysene	278	C22H14	000214-17-5	94
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90





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ALS Vial : 5 Sample Multiplier: 1

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

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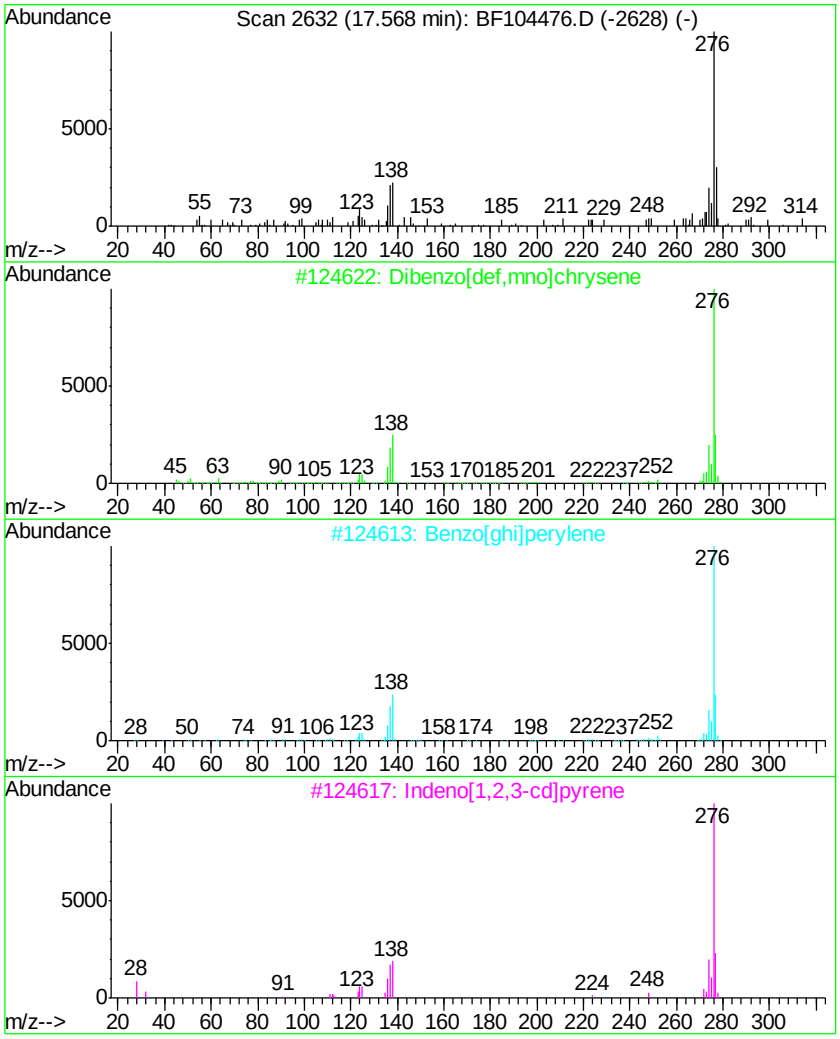
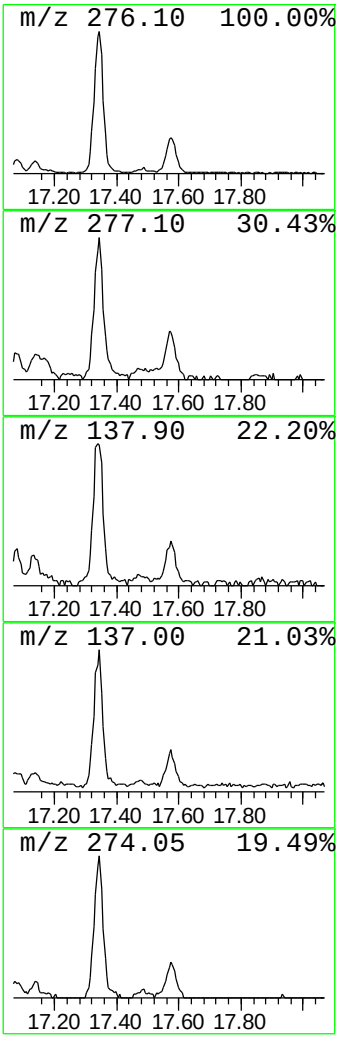
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	2.09 ng	91193	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5	2,2,2-Trifluoro-N-(4-methoxy-1,3...	276	C10H7F3N2O2S	1000373-11-3	55





Tentatively Identified Compound (LSC) summary

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Data File : BF104476.D
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Operator : JU/SJ
Sample : J2348-01
Misc :
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Instrument : BNA_F
ClientSampleId : 135-348

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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
2-Pentanone, 4-hy...	5.03	3.1	ng	130439	1	6.81	836051	20.0
unknown6.58	6.58	66.8	ng	2793970	1	6.81	836051	20.0
Tridecane	10.75	2.3	ng	148935	4	11.34	1298660	20.0
5H-Indeno[1,2-b]p...	11.56	2.8	ng	179126	4	11.34	1298660	20.0
Phenanthrene, 1-m...	11.84	3.0	ng	193441	4	11.34	1298660	20.0
Phenanthrene, 2-m...	11.87	3.9	ng	254530	4	11.34	1298660	20.0
4H-Cyclopenta[def...	11.95	4.3	ng	280058	4	11.34	1298660	20.0
Anthracene, 1,4-d...	12.39	3.2	ng	205531	4	11.34	1298660	20.0
Cyclopenta(def)ph...	12.47	2.4	ng	153077	4	11.34	1298660	20.0
11H-Benzo[b]fluorene	13.00	2.6	ng	237798	5	13.99	1843080	20.0
Pyrene, 1-methyl-	13.22	2.3	ng	211099	5	13.99	1843080	20.0
11H-Benzo[a]fluor...	13.82	3.6	ng	334571	5	13.99	1843080	20.0
Supraene	14.83	2.5	ng	108867	6	15.45	872117	20.0
Benzo[e]pyrene	15.33	7.9	ng	345525	6	15.45	872117	20.0
Picene	17.07	2.9	ng	124743	6	15.45	872117	20.0
Dibenzo[def,mno]c...	17.57	2.1	ng	91193	6	15.45	872117	20.0