LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

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-BF121417.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	4.981	489	492	509	rBV	36232	89525	3.03%	0.246%
2	5.410	562	565	586	rBV	300713	773377	26.19%	2.126%
3	6.434	736	739	756	rBV	322286	814623	27.58%	2.240%
4	6.551	756	759	774	rVB	629138	923297	31.26%	2.539%
5	6.769	793	796	806	rBV	812114	856402	29.00%	2.355%
6	6.928	819	823	839	rBV	493182	608986	20.62%	1.674%
7	7.039	839	842	853	rVV2	26266	63938	2.16%	0.176%
8	7.351	892	895	918	rBV	268337	507628	17.19%	1.396%
9	8.051	1011	1014	1034	rBV	966030	1123310	38.03%	3.089%
10	9.122	1193	1196	1204	rBV	734195	718143	24.32%	1.975%
11	9.192	1204	1208	1213	rVB	62858	60332	2.04%	0.166%
12	9.510	1257	1262	1263	rBV	51582	53859	1.82%	0.148%
13	9.527	1263	1265	1271	rVB2	46960	63192	2.14%	0.174%
14	9.675	1287	1290	1295	rBV	331250	335453	11.36%	0.922%
15	9.722	1295	1298	1302	rVV	111177	107295	3.63%	0.295%
16	9.810	1309	1313	1325	rVB	962126	1005804	34.06%	2.766%
17	10.216	1379	1382	1385	rVB	146328	111313	3.77%	0.306%
18	10.433	1416	1419	1422	rBV	57944	62249	2.11%	0.171%
19	10.474	1422	1426	1431	rVV	34203	51366	1.74%	0.141%
20	10.522	1431	1434	1437	rVV2	39892	50681	1.72%	0.139%
21	10.551	1437	1439	1443	rVB2	39855	36427	1.23%	0.100%
22	10.610	1447	1449	1456	rVV	243809	303298	10.27%	0.834%
23	10.692	1460	1463	1472	rVB	148201	215434	7.29%	0.592%
24	10.910	1497	1500	1503	rVB3	34325	40504	1.37%	0.111%
25	11.033	1516	1521	1523	rBV2	50674	51870	1.76%	0.143%
26	11.057	1523	1525	1530	rVB3	34870	45119	1.53%	0.124%
27	11.139	1536	1539	1542	rBV2	115099	110865	3.75%	0.305%
28	11.304	1563	1567	1569	rBV	822551	750386	25.41%	2.063%
29	11.327	1569	1571	1577	rVB	170876	173005	5.86%	0.476%
30	11.380	1577	1580	1588	rBV	344976	416135	14.09%	1.144%
31	11.563	1605	1611	1614	rBV3	135966	186049	6.30%	0.512%
32	11.804	1649	1652	1655	rBV	88288	98145	3.32%	0.270%
33	11.833	1655	1657	1660	rVV	112825	105236	3.56%	0.289%
34	11.886	1663	1666	1668	rVV	134011	111794	3.79%	0.307%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.916	1668	1671	1674	rVV	229571	269155	9.11%	0.740%
36	11.945	1674	1676	1678	rVV2	84380	77808	2.63%	0.214%
37	11.969	1678	1680	1683	rVB	100429	85177	2.88%	0.234%
38	12.098	1699	1702	1704	rBV2	74260	65711	2.22%	0.181%
39	12.169	1711	1714	1719	rBV6	32822	48431	1.64%	0.133%
40	12.245	1725	1727	1730	rBV2	53387	50425	1.71%	0.139%
41	12.280	1730	1733	1735	rVV	73614	57877	1.96%	0.159%
42	12.310	1735	1738	1740	rVB	50848	44368	1.50%	0.122%
43	12.357	1742	1746	1748	rBV2	265986	274015	9.28%	0.753%
44	12.398	1750	1753	1754	rVV	104420	112053	3.79%	0.308%
45	12.439	1758	1760	1761	rVV	59409	54432	1.84%	0.150%
46	12.463	1761	1764	1769	rVB	248234	254129	8.60%	0.699%
47	12.521	1770	1774	1778	rVV	2054849	1894890	64.16%	5.210%
48	12.557	1778	1780	1782	rVV	51341	49240	1.67%	0.135%
49	12.580	1782	1784	1785	rVV2	47854	37162	1.26%	0.102%
50	12.621	1789	1791	1797	rVB	118393	116820	3.96%	0.321%
51	12.674	1797	1800	1805	rBV2	138115	173698	5.88%	0.478%
52	12.733	1807	1810	1811	rVV	421401	385084	13.04%	1.059%
53	12.757	1811	1814	1817	rVV	2236871	2144642	72.61%	5.897%
54	12.804	1819	1822	1826	rVB	132841	158748	5.38%	0.436%
55	12.880	1832	1835	1838	rBV2	640866	561774	19.02%	1.545%
56	12.927	1841	1843	1846	rBV	143681	135071	4.57%	0.371%
57	12.968	1846	1850	1856	rVB3	232288	380190	12.87%	1.045%
58	13.015	1856	1858	1861	rBV3	53013	56234	1.90%	0.155%
59	13.063	1861	1866	1867	rBV2	194232	286621	9.70%	0.788%
60	13.080	1867	1869	1874	rVB2	443092	462175	15.65%	1.271%
61	13.127	1874	1877	1878	rBV2	93122	95912	3.25%	0.264%
62	13.145	1878	1880	1883	rVV	223397	197656	6.69%	0.543%
63	13.186	1883	1887	1890	rVV2	376245	462329	15.65%	1.271%
64	13.239	1894	1896	1900	rBV3	68738	75828	2.57%	0.208%
65	13.280	1900	1903	1906	rVV	235720	218545	7.40%	0.601%
66	13.310	1906	1908	1916	rVB2	225907	283234	9.59%	0.779%
67	13.380	1917	1920	1924	rBV3	70048	101651	3.44%	0.279%
68	13.427	1924	1928	1930	rVB2	70101	75423	2.55%	0.207%
69	13.457	1930	1933	1934	rBV2	53331	46973	1.59%	0.129%
70	13.480	1934	1937	1939	rBV2	78838	81051	2.74%	0.223%
71	13.510	1939	1942	1947	rVB4	69231	104509	3.54%	0.287%

LSC Area Percent Report

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Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.610	1954	1959	1964	rBV	281062	334084	11.31%	0.919%
73	13.721	1973	1978	1982	rBV3	319855	431710	14.62%	1.187%
74	13.757	1982	1984	1986	rBV	290430	275998	9.34%	0.759%
75	13.821	1991	1995	1999	rVB2	384877	490947	16.62%	1.350%
76	13.874	1999	2004	2008	rBV	126693	218886	7.41%	0.602%
77	13.951	2011	2017	2021	rBV2	1761232	2953449	100.00%	8.121%
78	13.986	2021	2023	2028	rVB	1359166	1152956	39.04%	3.170%
79	14.063	2034	2036	2040	rVB2	296241	263994	8.94%	0.726%
80	14.127	2045	2047	2051	rVB4	98778	110054	3.73%	0.303%
81	14.180	2051	2056	2058	rBV2	126531	208788	7.07%	0.574%
82	14.304	2075	2077	2079	rVB	92496	69020	2.34%	0.190%
83	14.345	2079	2084	2087	rBV	538760	603880	20.45%	1.660%
84	14.380	2087	2090	2093	rVB2	264612	246018	8.33%	0.676%
85	14.415	2093	2096	2099	rBV	163448	172479	5.84%	0.474%
86	14.445	2099	2101	2103	rVV2	123667	126046	4.27%	0.347%
87	14.474	2103	2106	2112	rVB2	210763	329526	11.16%	0.906%
88	14.674	2137	2140	2142	rBV3	101165	130108	4.41%	0.358%
89	14.727	2147	2149	2153	rBV3	85970	107767	3.65%	0.296%
90	14.957	2185	2188	2191	rVB	98317	113324	3.84%	0.312%
91	15.004	2191	2196	2199	rBV	1413064	2131920	72.18%	5.862%
92	15.109	2211	2214	2221	rVB	338396	388972	13.17%	1.070%
93	15.192	2225	2228	2230	rBV	90084	116917	3.96%	0.321%
94	15.304	2243	2247	2251	rBV	683276	797878	27.02%	2.194%
95	15.368	2254	2258	2263	rVB	1091522	1371358	46.43%	3.771%
96	15.427	2264	2268	2271	rBV	418561	505545	17.12%	1.390%
97	15.462	2271	2274	2282	rVB2	275554	403876	13.67%	1.110%
98	16.915	2515	2521	2527	rVB2	313201	616738	20.88%	1.696%
99	17.074	2545	2548	2553	rVB	84305	120194	4.07%	0.330%
100	17.362	2592	2597	2608	rVB	259268	572851	19.40%	1.575%

Sum of corrected areas: 36369364

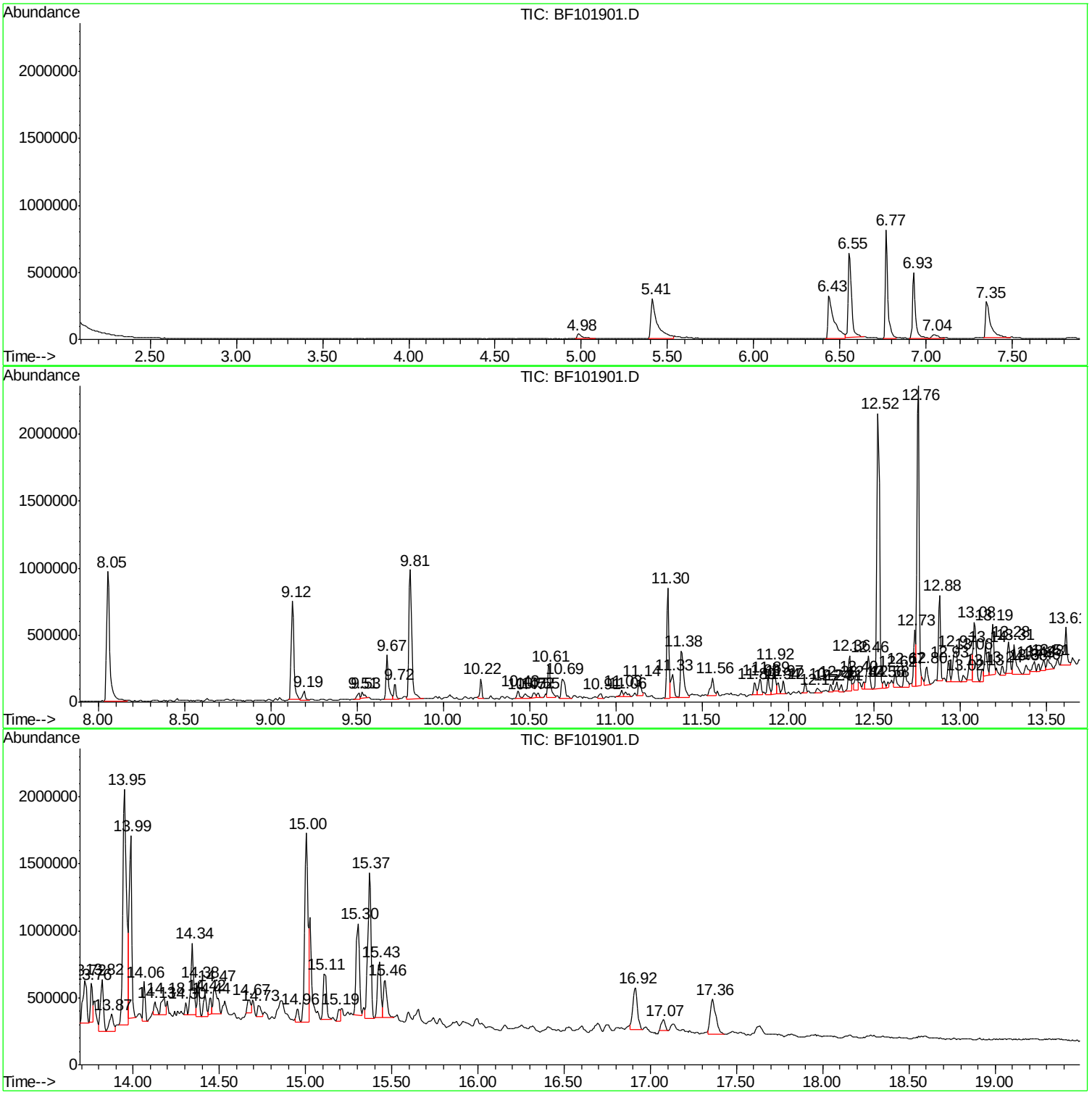
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

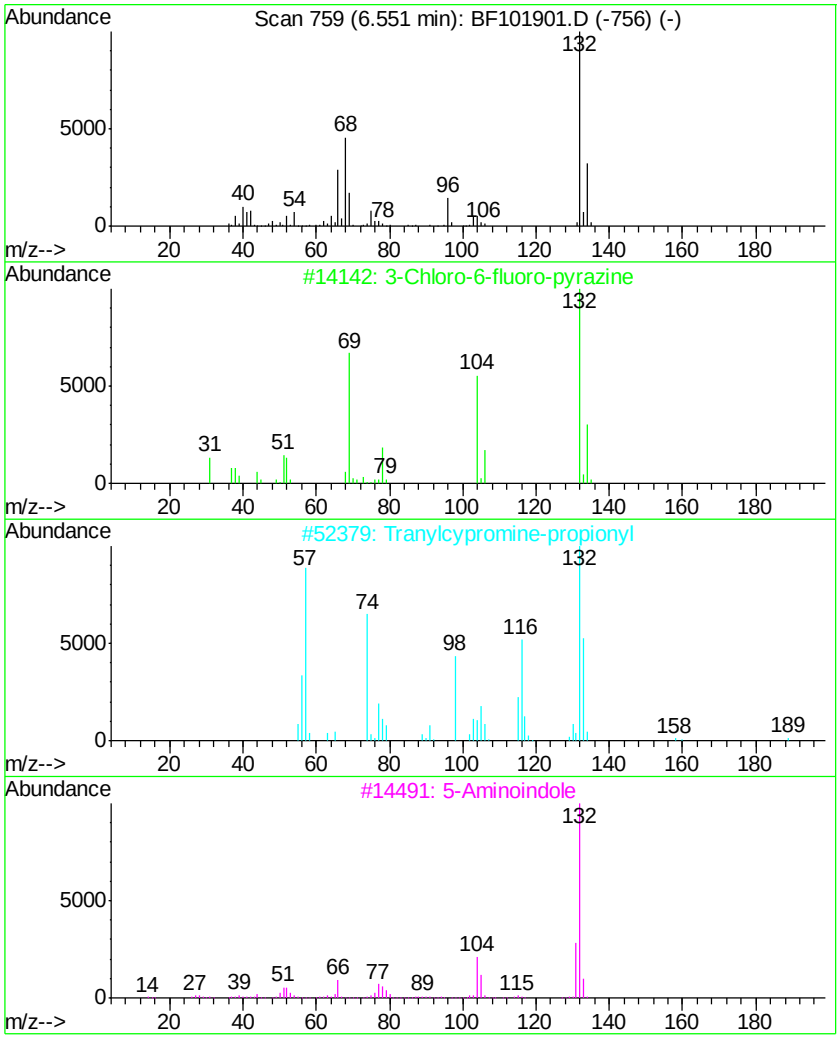
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

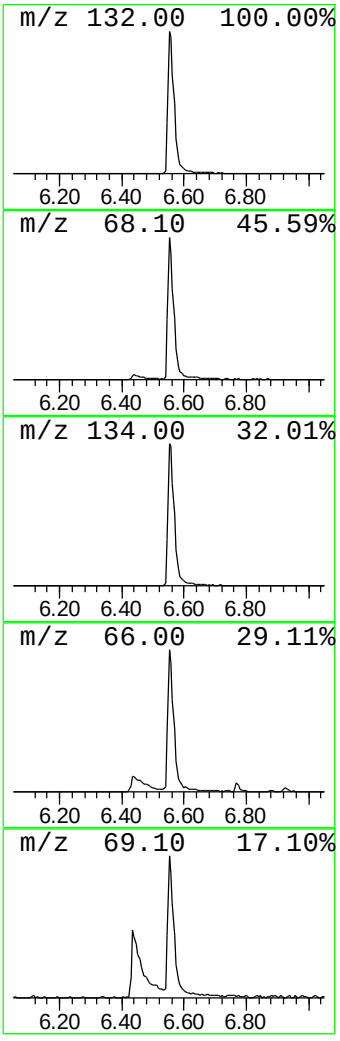
****

Peak Number 1 unknown6.55 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	21.56 ng	923297	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

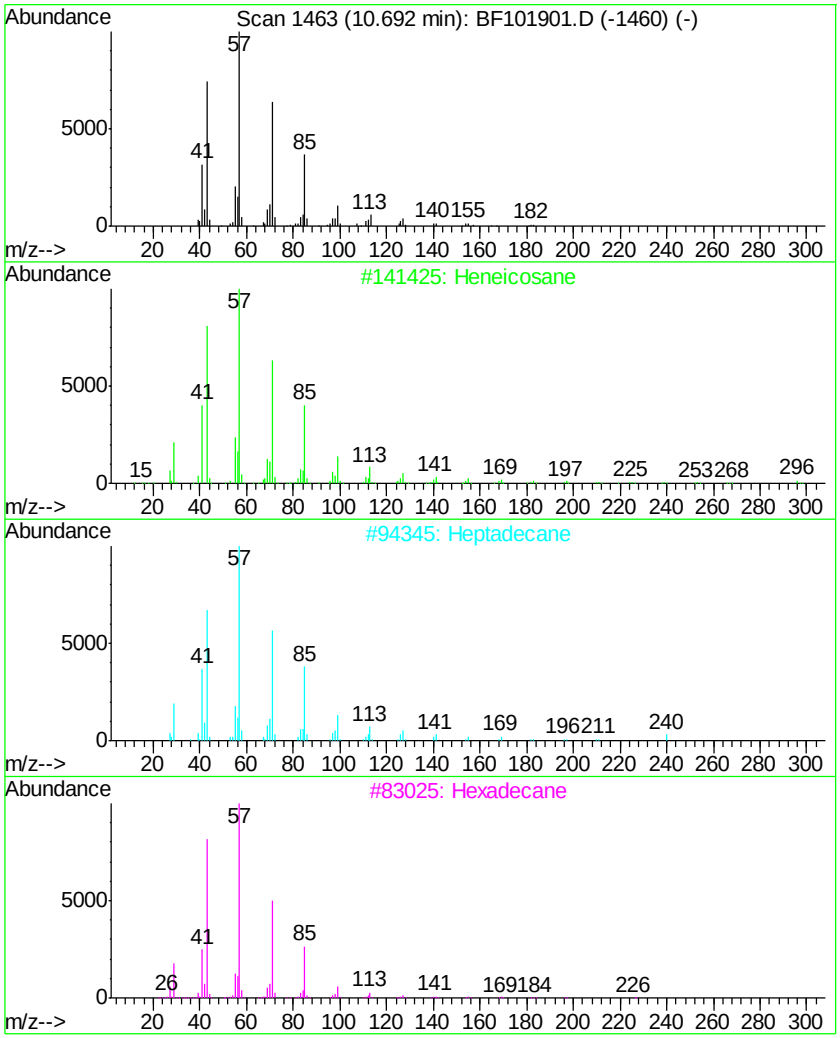
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

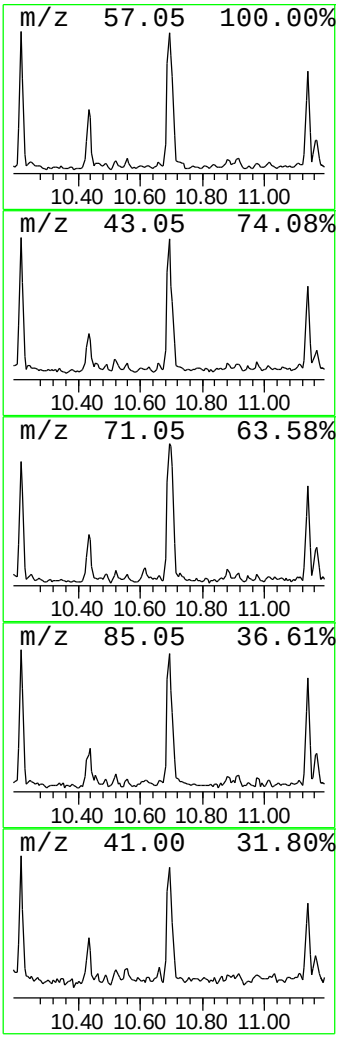
****

Peak Number 3 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	5.74 ng	215434	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Octadecane	254	C18H38	000593-45-3	86
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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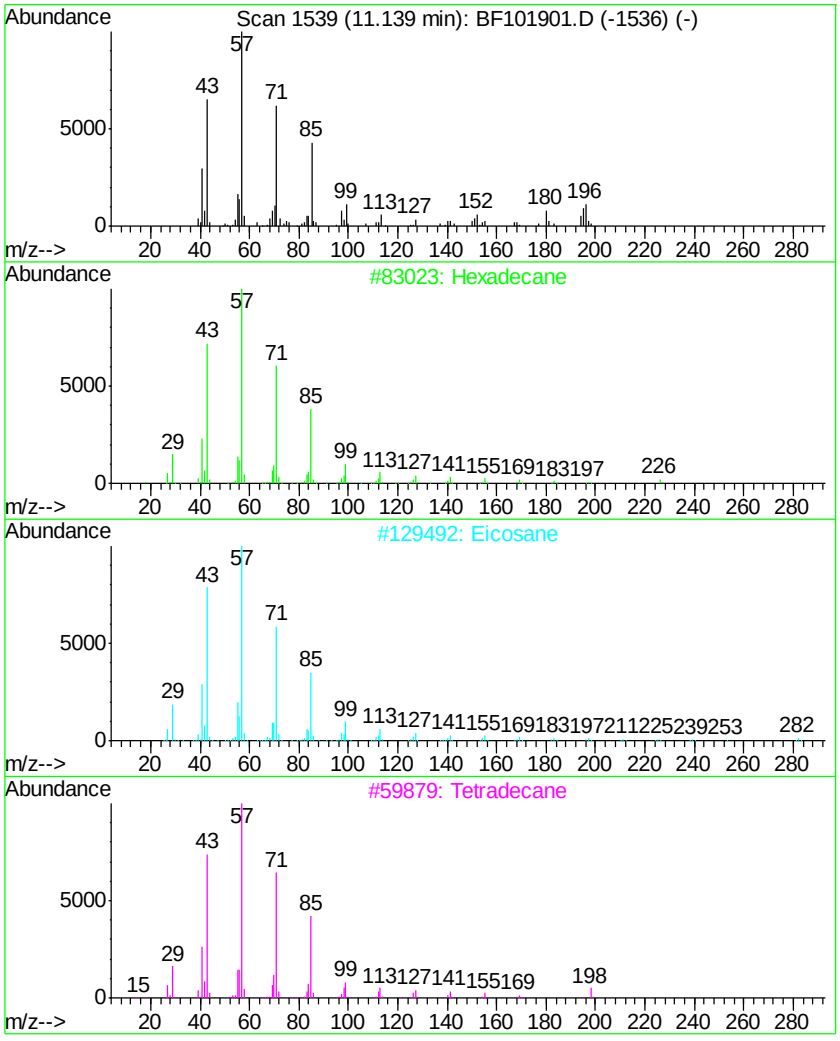
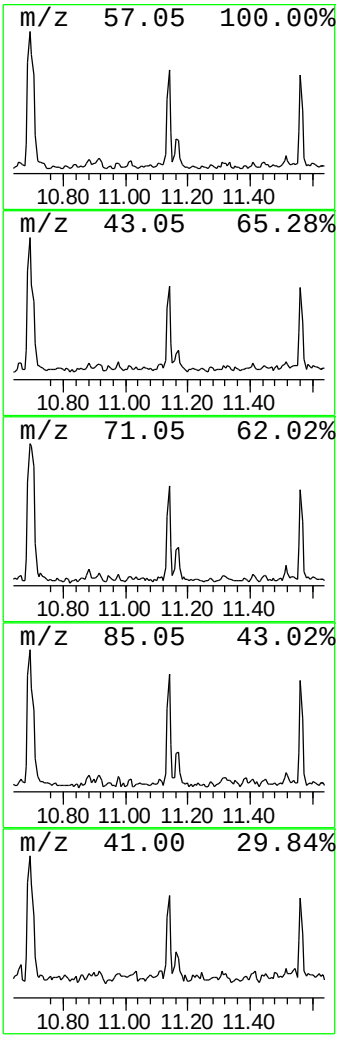
Peak Number 4 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.95 ng	110865	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Eicosane	282	C20H42	000112-95-8	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	Heneicosane	296	C21H44	000629-94-7	64
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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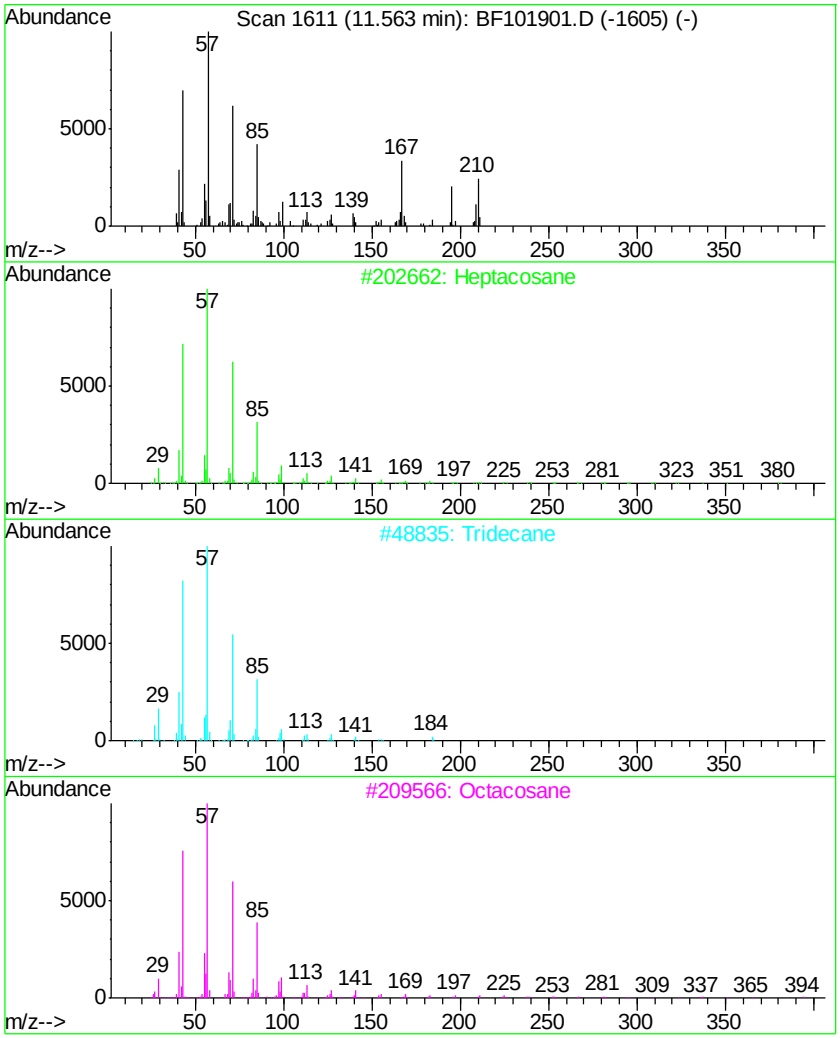
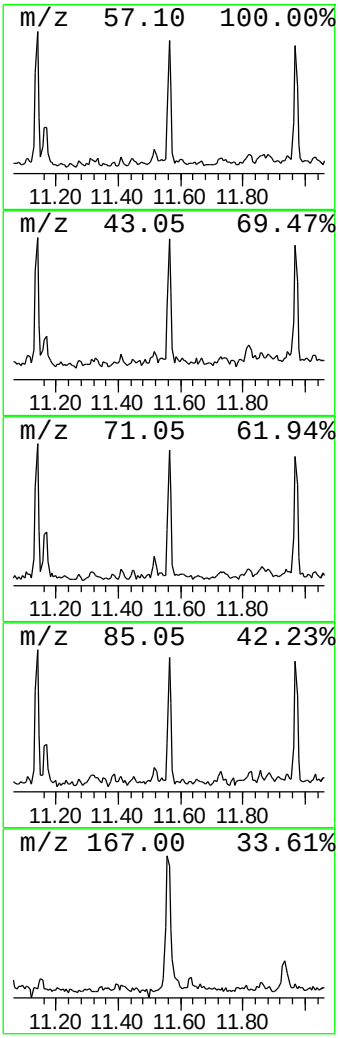
Peak Number 5 unknown11.56 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	4.96 ng	186049	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	49
2	Tridecane	184	C13H28	000629-50-5	49
3	Octacosane	394	C28H58	000630-02-4	49
4	Hexacosane	366	C26H54	000630-01-3	49
5	Tetracosane	338	C24H50	000646-31-1	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

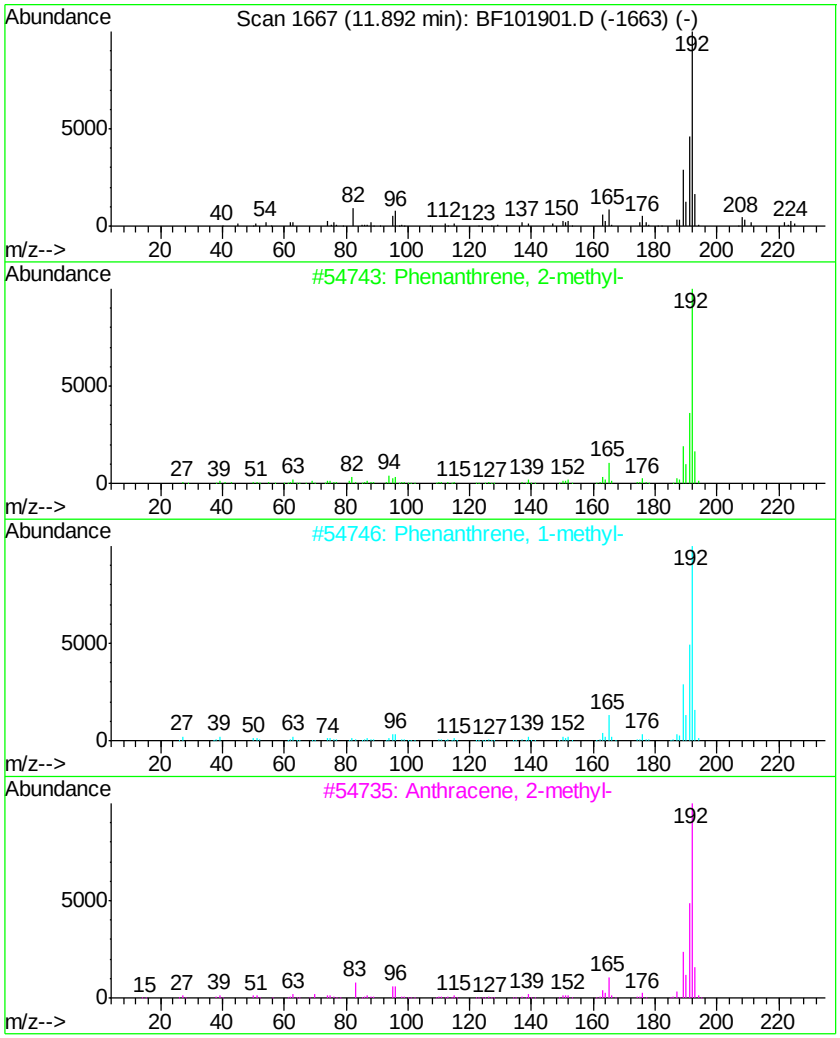
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

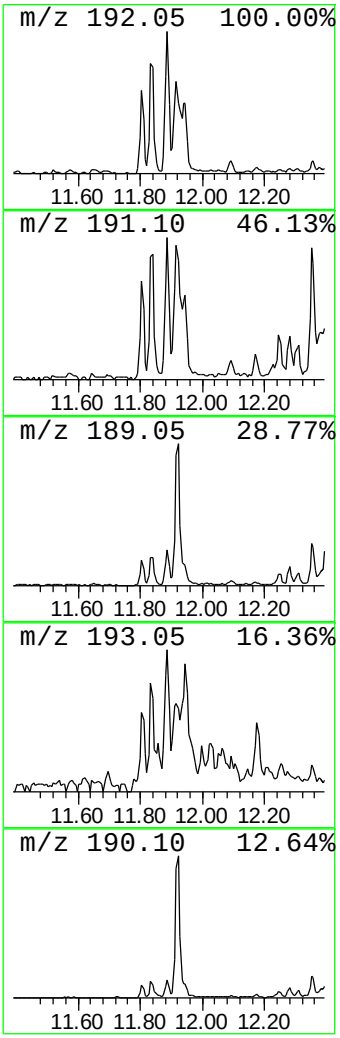
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.98 ng	111794	Phenanthrene-d10	11.30

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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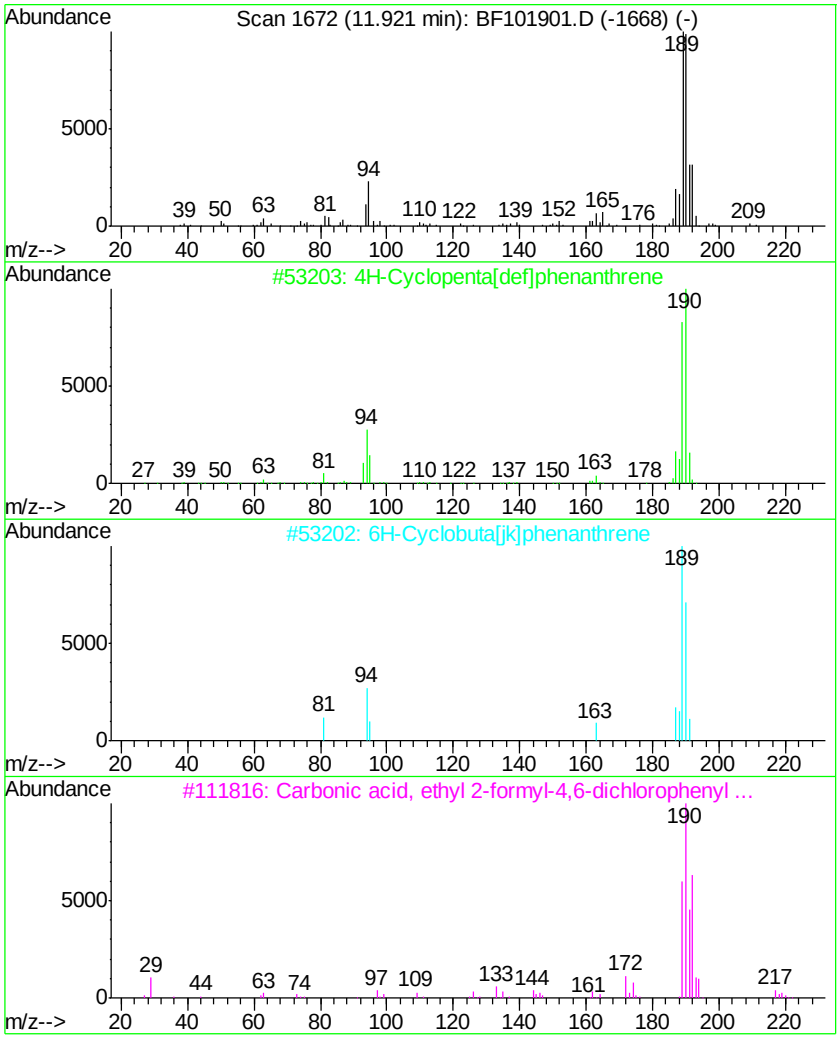
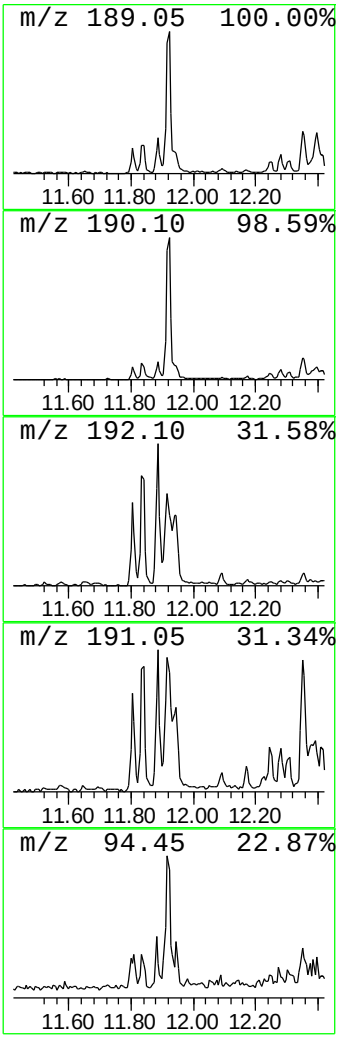
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.17 ng	269155	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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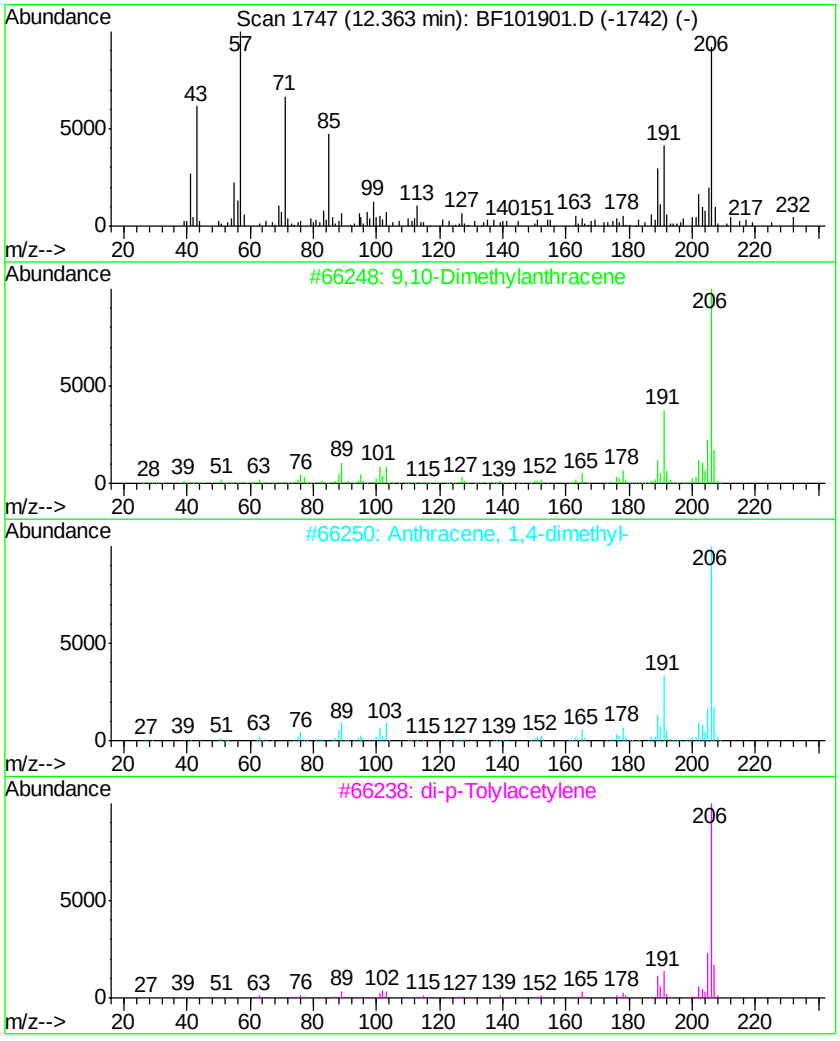
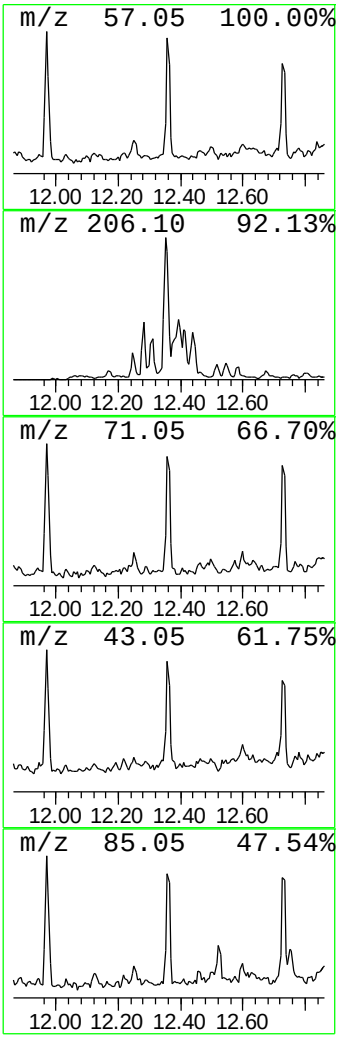
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	7.30 ng	274015	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





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Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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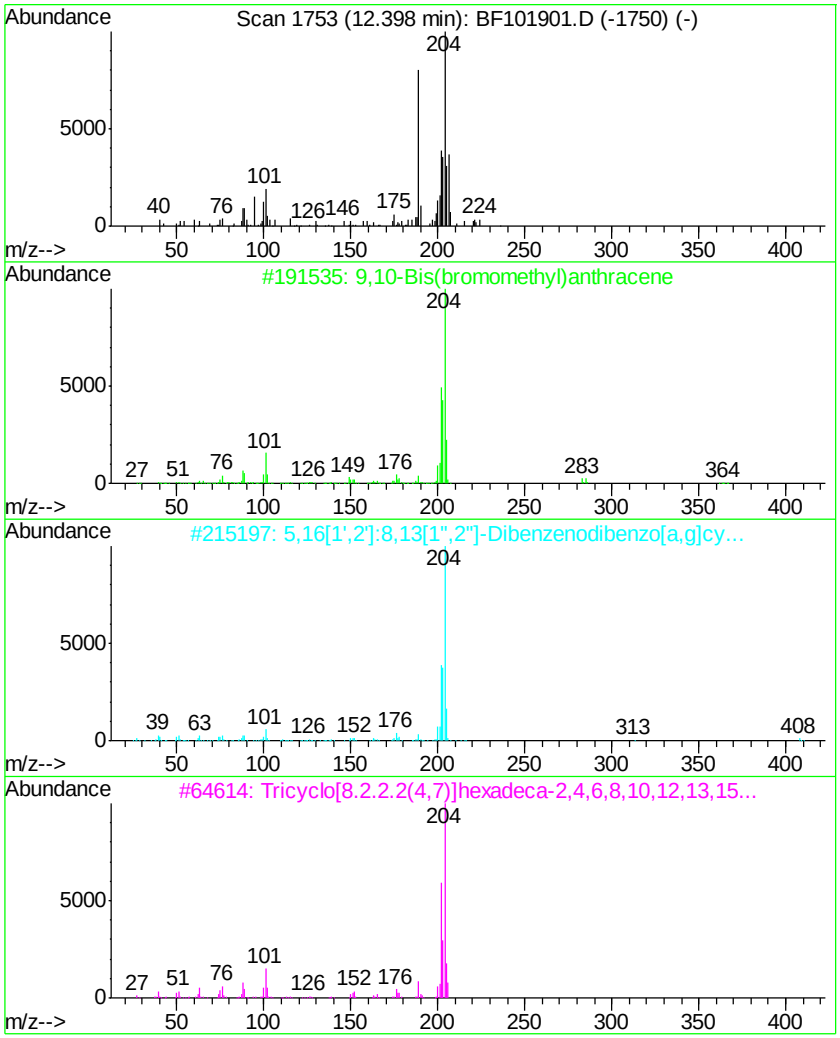
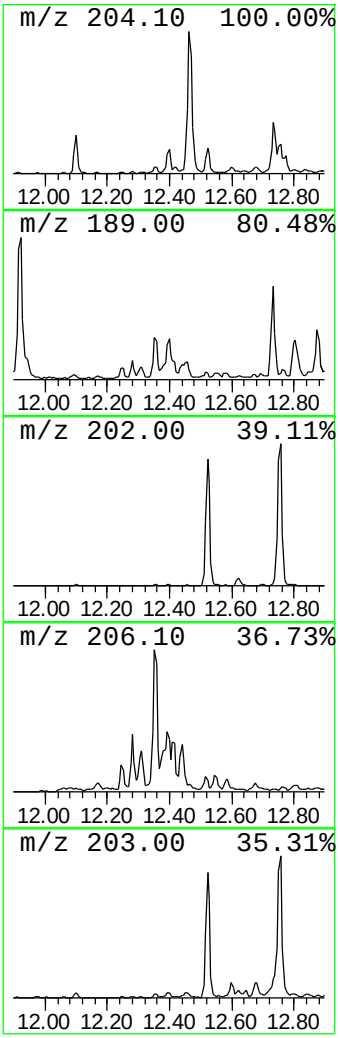
Peak Number 9 9,10-Bis(bromomethyl)anthra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.99 ng	112053	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	38
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





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Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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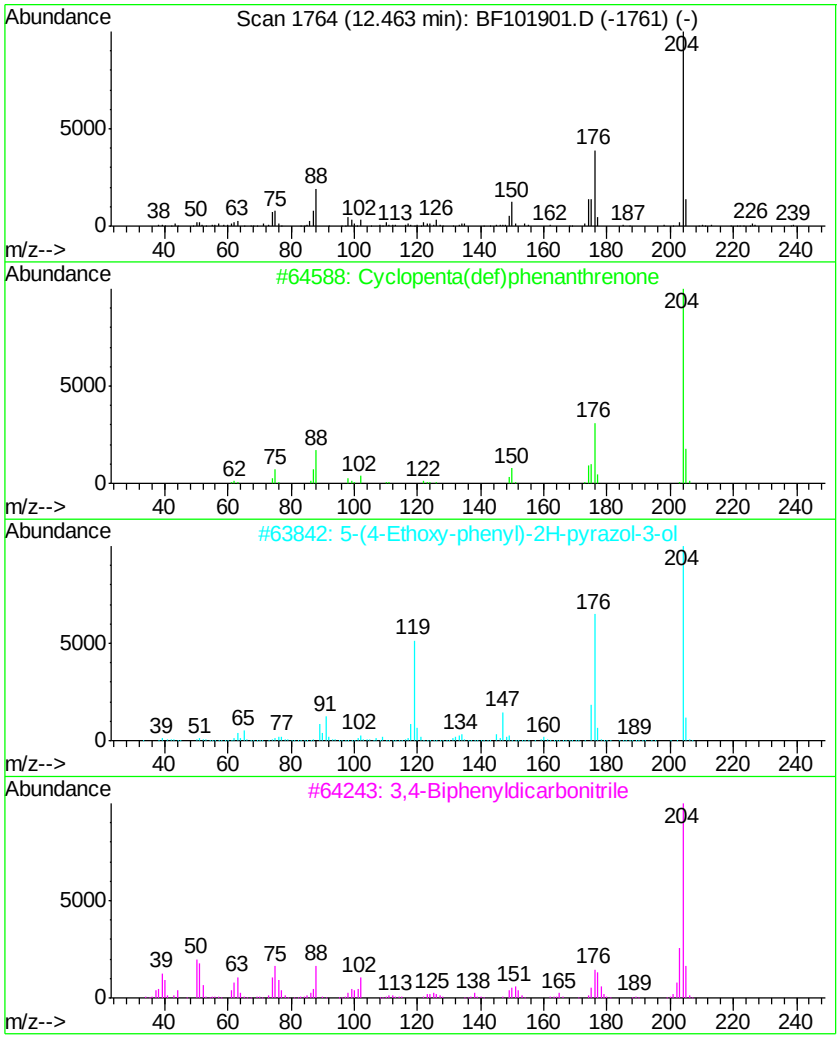
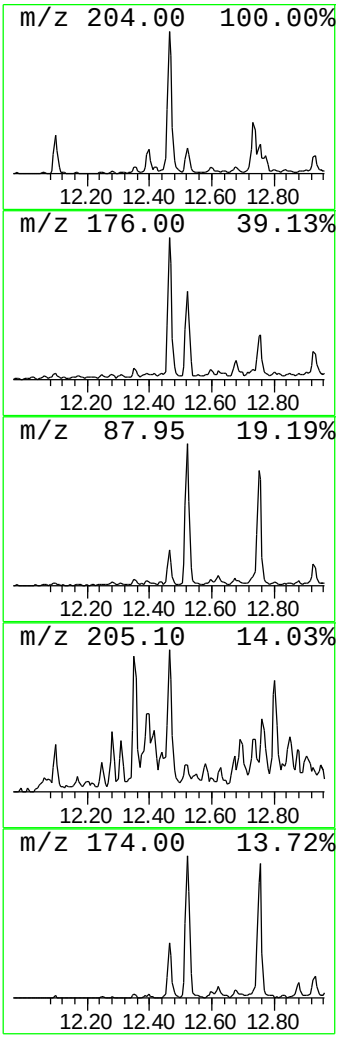
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.77 ng	254129	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	40





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Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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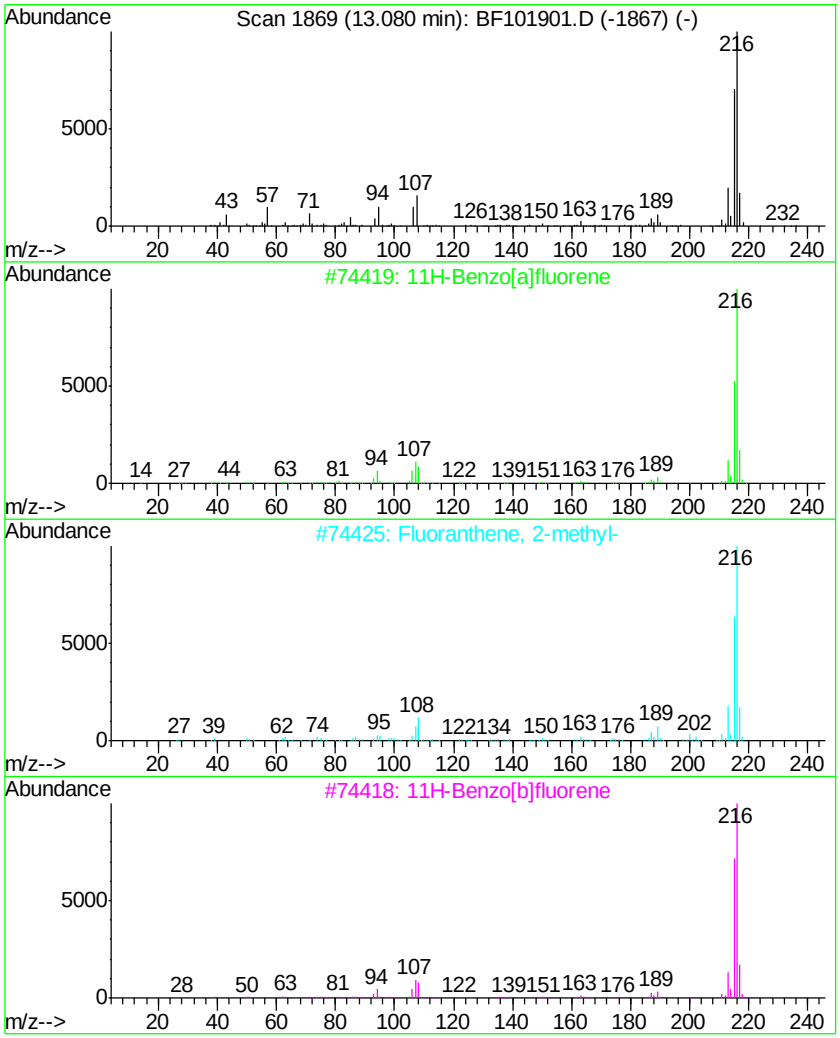
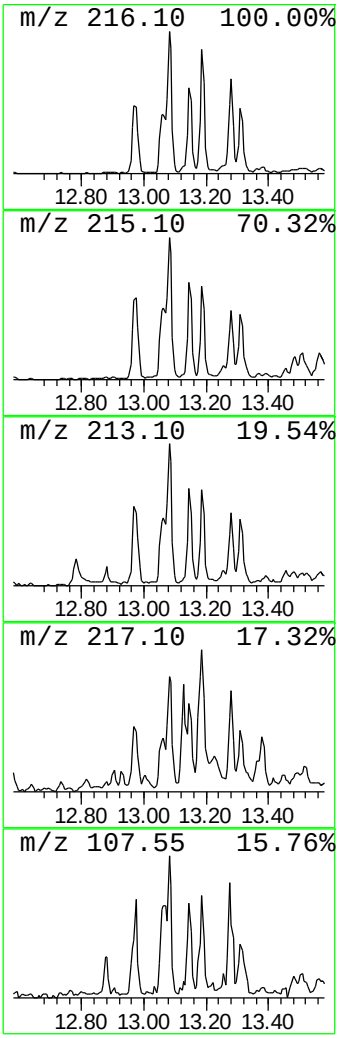
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	3.13 ng	462175	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 4 Jan 2018 19:55
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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TIC Library : C:\DATABASE\NIST11.L
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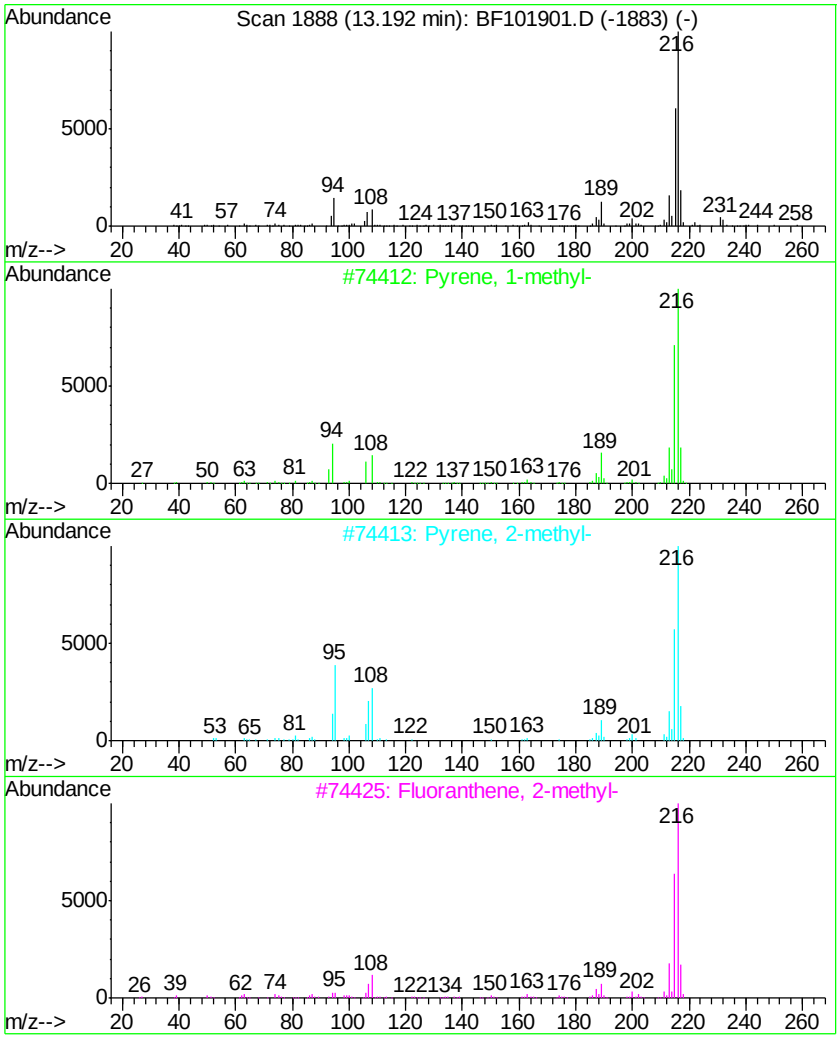
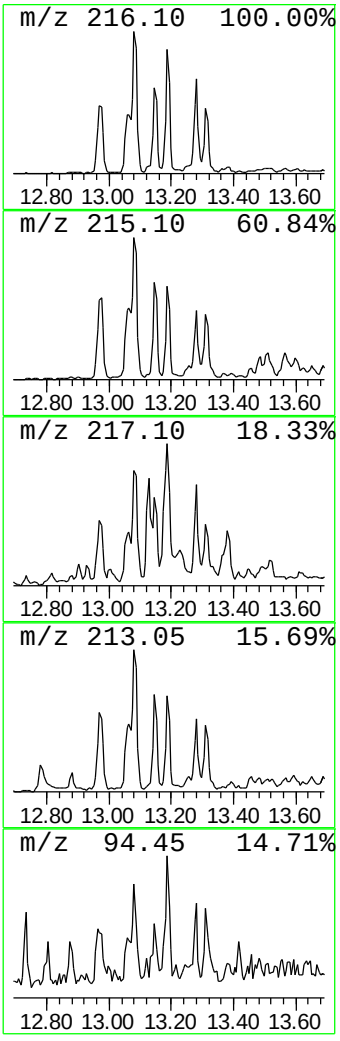
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.13 ng	462329	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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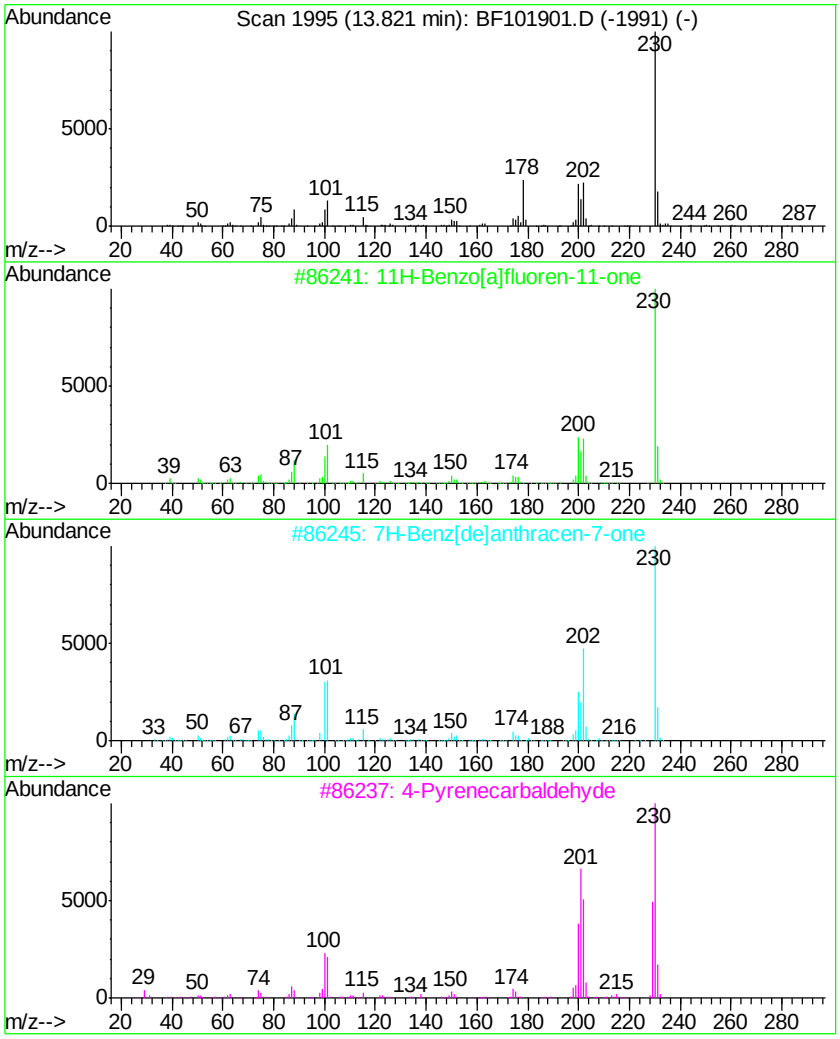
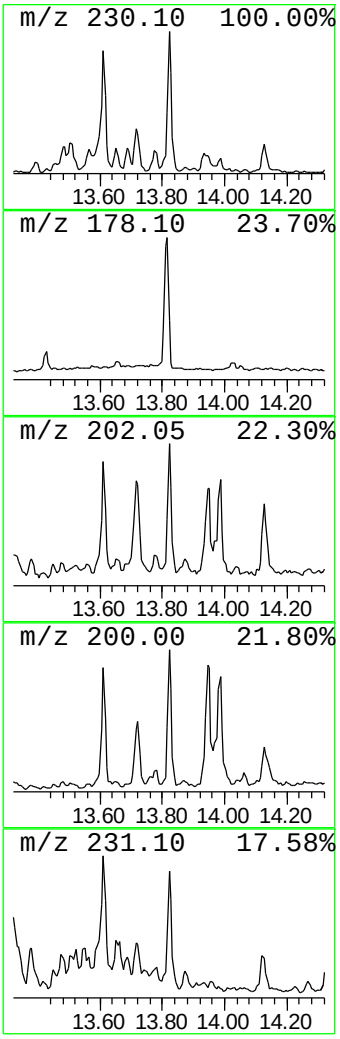
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.32 ng	490947	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
5	o-Terphenyl	230	C18H14	000084-15-1	52





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Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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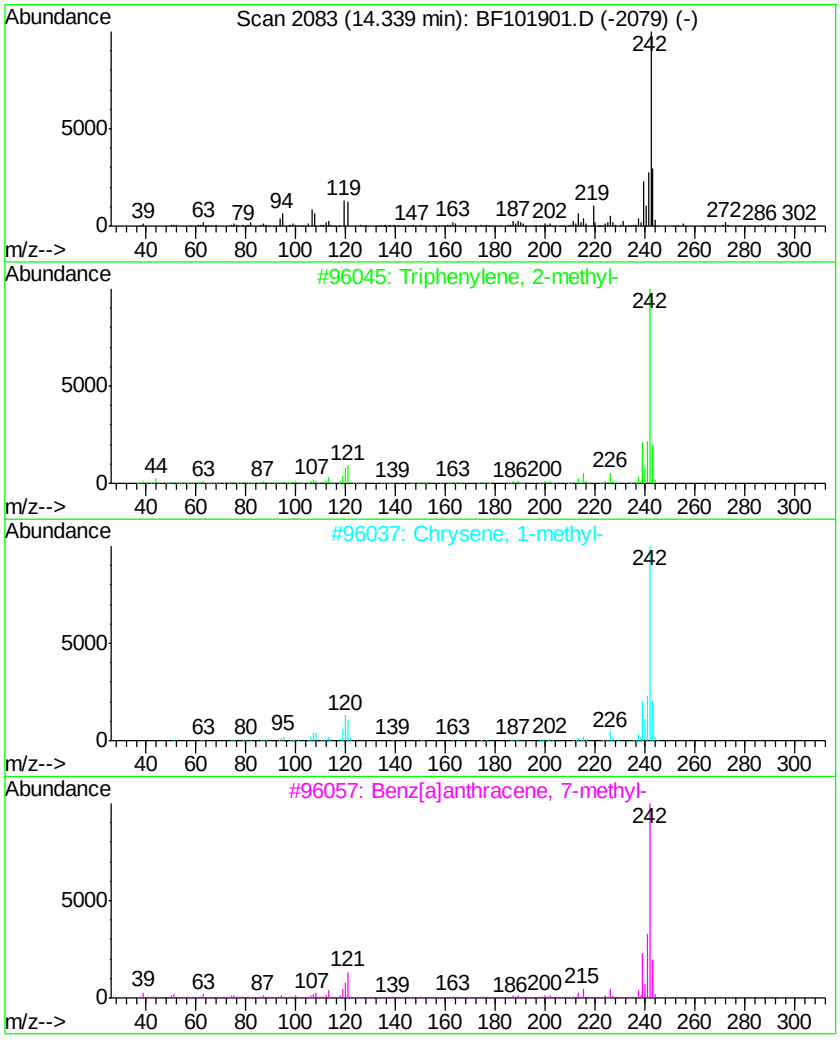
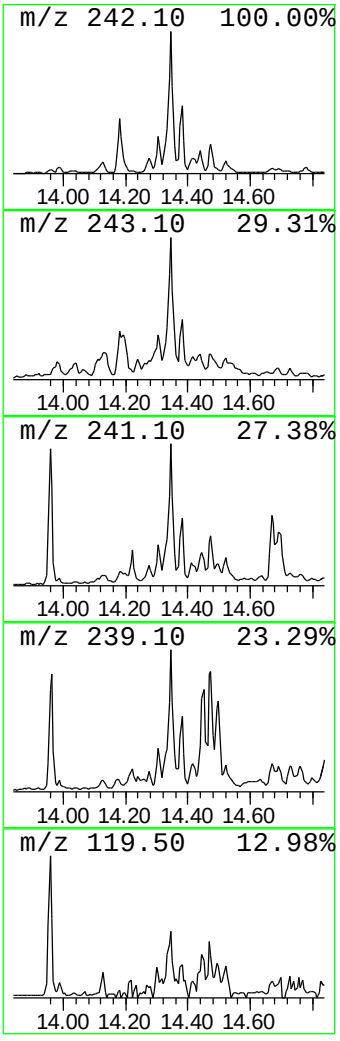
Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	4.09 ng	603880	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	95
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93





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Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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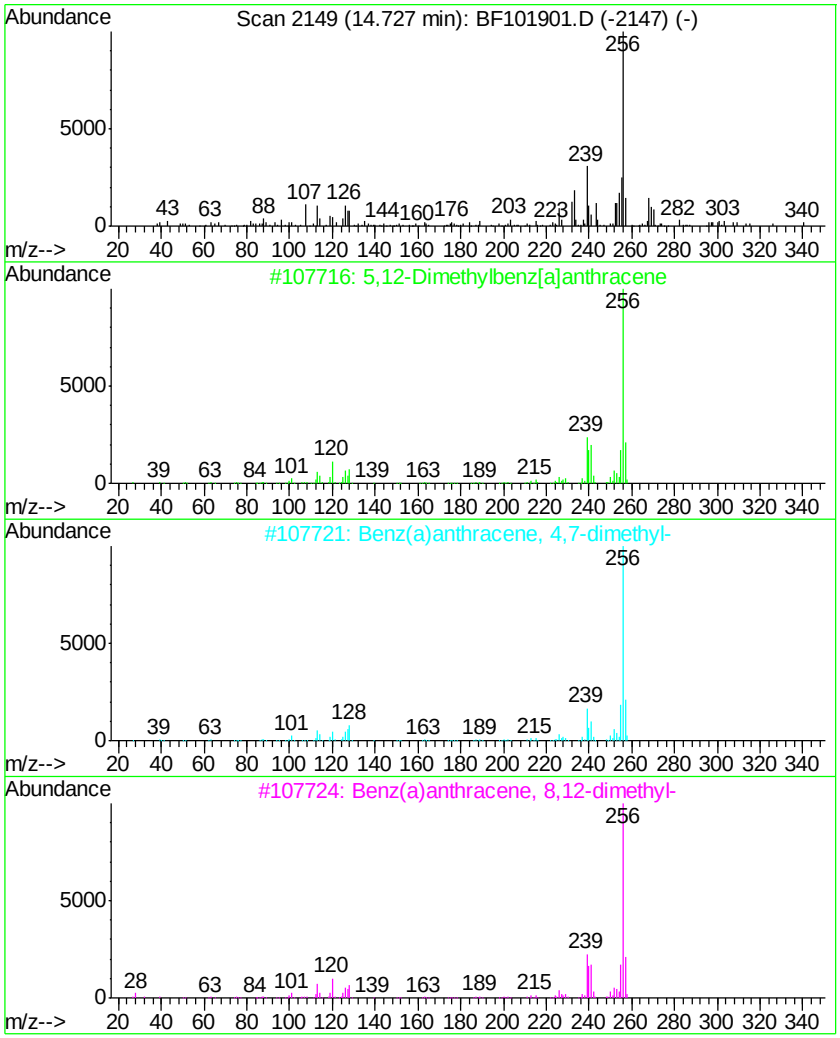
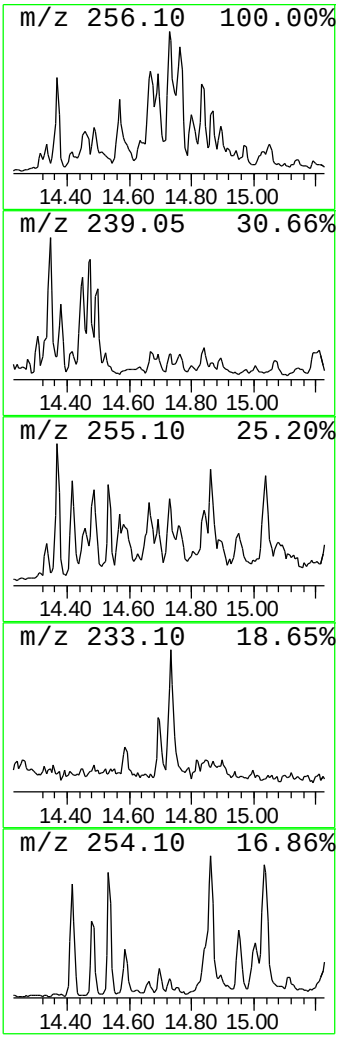
Peak Number 16 5,12-Dimethylbenz[a]anthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	4.26 ng	107767	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	83
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	70
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	70
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	64
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	60





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Misc :
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Instrument : BNA_F
ClientSampleId : B-2(10)

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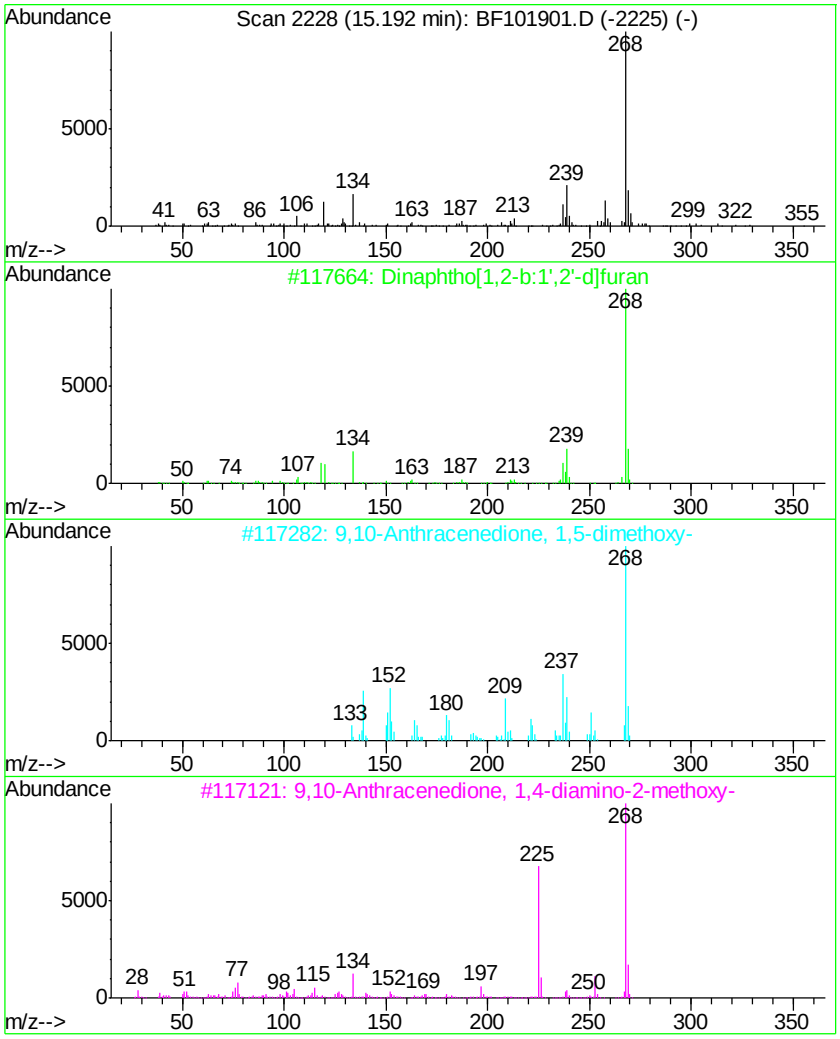
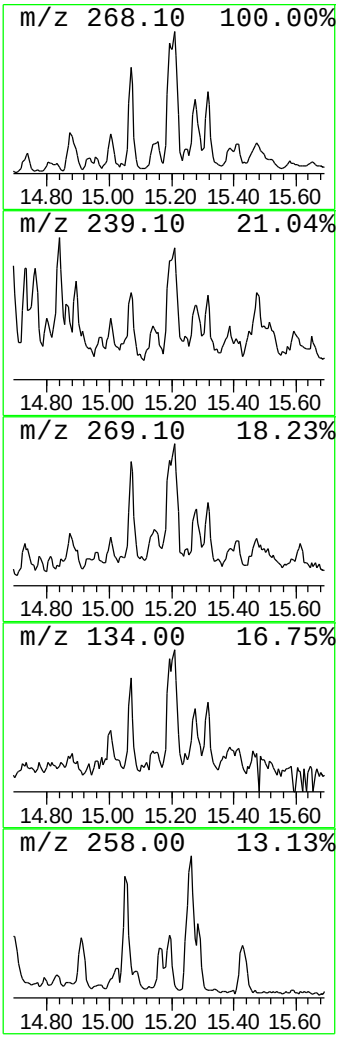
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.63 ng	116917	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
3	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	53
4	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	50
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	50





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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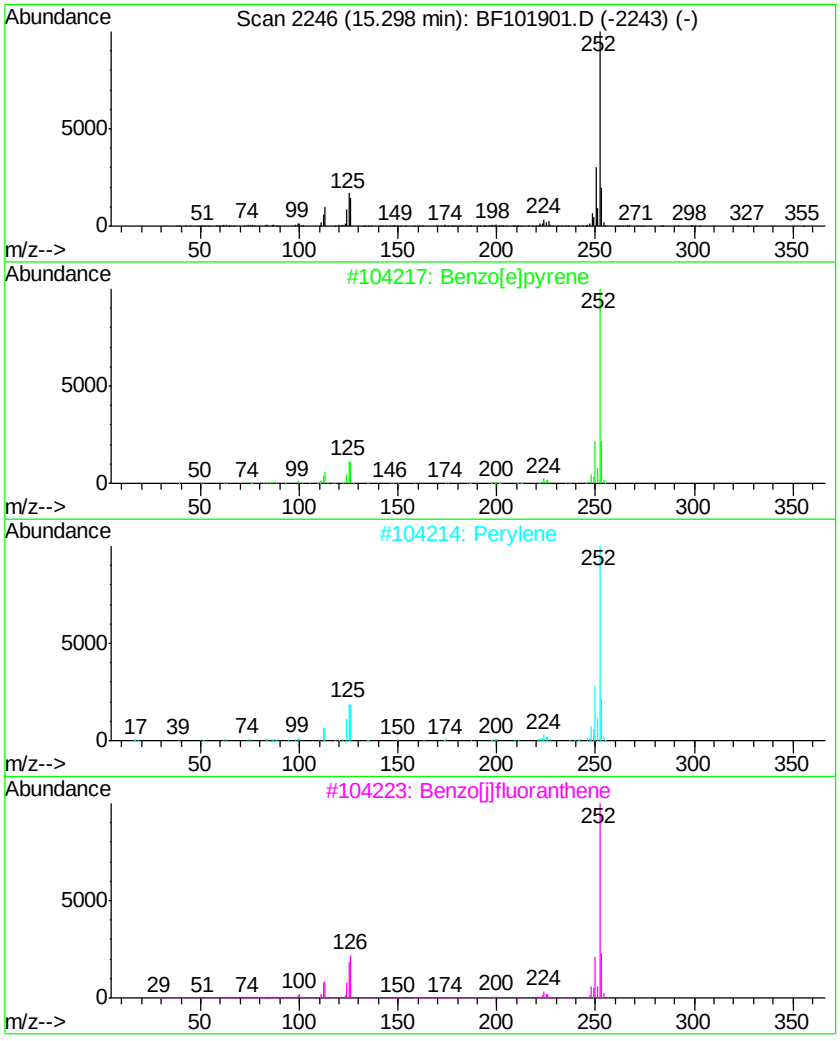
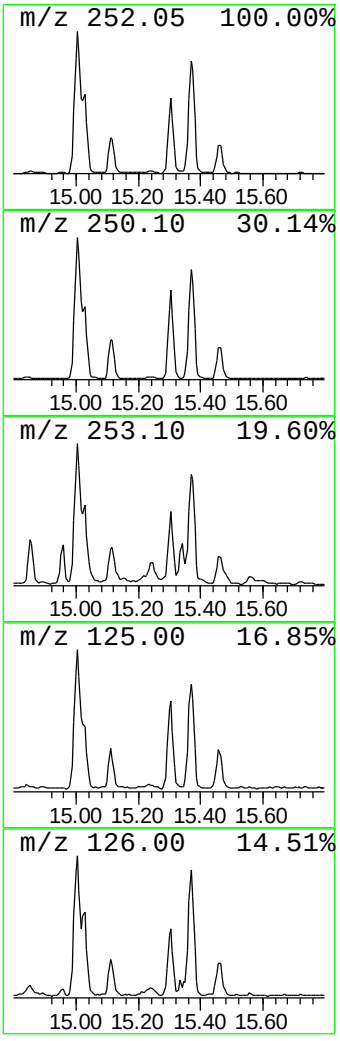
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	31.57 ng	797878	Perylene-d12	15.43

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	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

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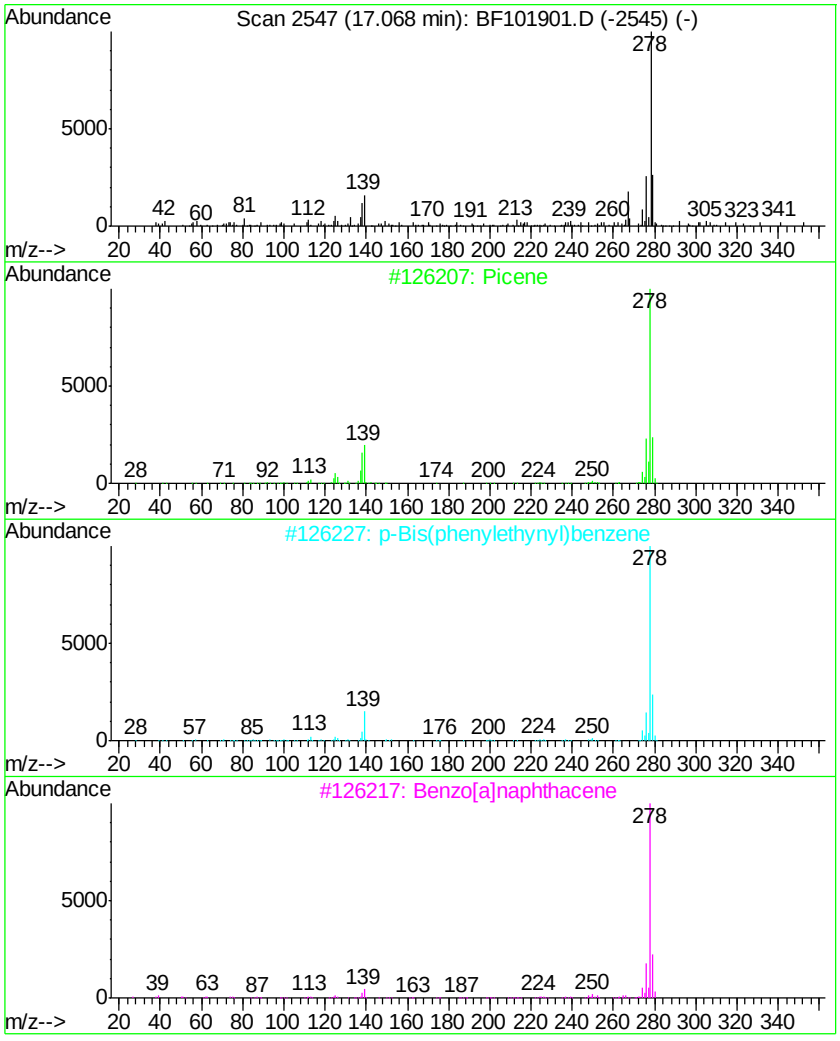
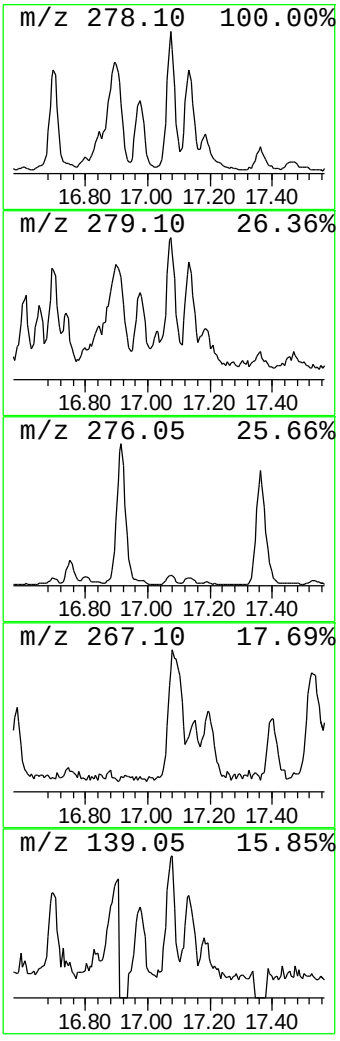
Peak Number 20 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	4.76 ng	120194	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	93
2	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	92
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
5	Pentaphene	278	C22H14	000222-93-5	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010418\
Data File : BF101901.D
Acq On : 4 Jan 2018 19:55
Operator : SJ/JU
Sample : J1033-04 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-2(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.55	6.55	21.6	ng	923297	1	6.77	856402	20.0
Heneicosane	10.69	5.7	ng	215434	4	11.30	750386	20.0
Hexadecane	11.14	3.0	ng	110865	4	11.30	750386	20.0
unknown11.56	11.56	5.0	ng	186049	4	11.30	750386	20.0
Phenanthrene, 2-m...	11.89	3.0	ng	111794	4	11.30	750386	20.0
4H-Cyclopenta[def...	11.92	7.2	ng	269155	4	11.30	750386	20.0
9,10-Dimethylanth...	12.36	7.3	ng	274015	4	11.30	750386	20.0
9,10-Bis(bromomet...	12.40	3.0	ng	112053	4	11.30	750386	20.0
Cyclopenta(def)ph...	12.46	6.8	ng	254129	4	11.30	750386	20.0
11H-Benzo[a]fluorene	13.08	3.1	ng	462175	5	13.96	2953450	20.0
Pyrene, 1-methyl-	13.19	3.1	ng	462329	5	13.96	2953450	20.0
11H-Benzo[a]fluor...	13.82	3.3	ng	490947	5	13.96	2953450	20.0
Triphenylene, 2-m...	14.34	4.1	ng	603880	5	13.96	2953450	20.0
5,12-Dimethylbenz...	14.73	4.3	ng	107767	6	15.43	505545	20.0
Dinaphtho[1,2-b:1...	15.19	4.6	ng	116917	6	15.43	505545	20.0
Benzo[e]pyrene	15.30	31.6	ng	797878	6	15.43	505545	20.0
Picene	17.07	4.8	ng	120194	6	15.43	505545	20.0