LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101030.D
Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

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-BF113017.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	5.069	504	507	516	rBB	33090	37225	4.73%	0.275%
2	5.469	571	575	588	rVB	634368	559365	71.06%	4.126%
3	6.481	743	747	761	rBV	661093	588969	74.82%	4.345%
4	6.622	767	771	774	rBV	768489	599824	76.20%	4.425%
5	6.851	807	810	814	rBV	396419	309402	39.31%	2.282%
6	7.010	833	837	840	rBV	515776	444548	56.48%	3.279%
7	7.416	902	906	909	rBV	423637	346052	43.96%	2.553%
8	8.133	1024	1028	1031	rBV	489241	390598	49.62%	2.881%
9	9.210	1207	1211	1214	rBV	655155	575362	73.10%	4.244%
10	9.545	1265	1268	1271	rBV	17006	17005	2.16%	0.125%
11	9.598	1275	1277	1280	rVV	53153	43906	5.58%	0.324%
12	9.751	1298	1303	1307	rBV	26713	20885	2.65%	0.154%
13	9.810	1309	1313	1317	rBV	23971	19160	2.43%	0.141%
14	9.892	1323	1327	1330	rBV	428580	369186	46.90%	2.723%
15	9.922	1330	1332	1335	rVB	56216	43192	5.49%	0.319%
16	10.092	1358	1361	1365	rVB2	22548	20692	2.63%	0.153%
17	10.310	1391	1398	1401	rVB2	25172	24896	3.16%	0.184%
18	10.439	1416	1420	1424	rVB	47269	42111	5.35%	0.311%
19	10.680	1457	1461	1466	rVB	327974	299082	38.00%	2.206%
20	10.786	1475	1479	1484	rBV4	13676	21116	2.68%	0.156%
21	10.986	1506	1513	1516	rBV4	13181	18408	2.34%	0.136%
22	11.186	1544	1547	1551	rVB	15323	13428	1.71%	0.099%
23	11.227	1551	1554	1557	rVV2	12952	15722	2.00%	0.116%
24	11.274	1557	1562	1567	rVB	24698	22926	2.91%	0.169%
25	11.380	1576	1580	1582	rBV	351719	330180	41.95%	2.436%
26	11.404	1582	1584	1587	rVV	523129	381431	48.46%	2.814%
27	11.451	1590	1592	1595	rVB	104404	91248	11.59%	0.673%
28	11.610	1614	1619	1624	rBV2	35751	39117	4.97%	0.289%
29	11.669	1624	1629	1632	rVV3	9046	13936	1.77%	0.103%
30	11.710	1634	1636	1639	rVB3	14901	13703	1.74%	0.101%
31	11.839	1653	1658	1660	rBV4	7166	10285	1.31%	0.076%
32	11.880	1660	1665	1666	rVV	71894	66049	8.39%	0.487%
33	11.910	1666	1670	1673	rVV2	93446	118592	15.07%	0.875%
34	11.957	1675	1678	1680	rBV	35954	30719	3.90%	0.227%

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Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.992	1680	1684	1686	rVV	111710	116063	14.74%	0.856%
36	12.016	1686	1688	1692	rVB	49316	41047	5.21%	0.303%
37	12.174	1712	1715	1718	rVV	45744	34964	4.44%	0.258%
38	12.204	1718	1720	1724	rVB2	37275	33487	4.25%	0.247%
39	12.321	1738	1740	1743	rVB	13559	12581	1.60%	0.093%
40	12.380	1747	1750	1752	rVB2	13107	12963	1.65%	0.096%
41	12.427	1755	1758	1761	rBV	38919	41327	5.25%	0.305%
42	12.469	1761	1765	1770	rVB5	23750	42733	5.43%	0.315%
43	12.521	1770	1774	1778	rBV2	34595	39433	5.01%	0.291%
44	12.598	1782	1787	1790	rBV	740957	658485	83.66%	4.857%
45	12.657	1795	1797	1799	rVB	17032	11734	1.49%	0.087%
46	12.686	1799	1802	1805	rBV2	24929	25729	3.27%	0.190%
47	12.745	1805	1812	1815	rBV3	24283	37042	4.71%	0.273%
48	12.827	1819	1826	1831	rBV	657681	724646	92.06%	5.345%
49	12.868	1831	1833	1837	rBV2	33589	36961	4.70%	0.273%
50	12.963	1842	1849	1851	rVV	442298	434896	55.25%	3.208%
51	12.980	1851	1852	1858	rVB2	51618	41900	5.32%	0.309%
52	13.039	1858	1862	1866	rVB2	42896	61212	7.78%	0.452%
53	13.127	1873	1877	1878	rBV3	41376	49562	6.30%	0.366%
54	13.151	1878	1881	1884	rVB	111106	98531	12.52%	0.727%
55	13.180	1884	1886	1889	rBV4	16142	17872	2.27%	0.132%
56	13.216	1889	1892	1895	rBV3	76363	63198	8.03%	0.466%
57	13.251	1895	1898	1901	rBV2	70653	80345	10.21%	0.593%
58	13.310	1906	1908	1911	rVV2	25593	27474	3.49%	0.203%
59	13.351	1911	1915	1917	rVV2	45708	57696	7.33%	0.426%
60	13.380	1917	1920	1923	rVV	49144	60137	7.64%	0.444%
61	13.433	1927	1929	1931	rVV3	21833	21115	2.68%	0.156%
62	13.463	1931	1934	1938	rVB5	10847	12985	1.65%	0.096%
63	13.527	1943	1945	1947	rBV3	16833	20466	2.60%	0.151%
64	13.574	1951	1953	1955	rVB3	18222	15400	1.96%	0.114%
65	13.633	1960	1963	1965	rBV4	17224	18700	2.38%	0.138%
66	13.663	1965	1968	1972	rVB	64633	66272	8.42%	0.489%
67	13.721	1976	1978	1980	rVB3	14005	10270	1.30%	0.076%
68	13.768	1982	1986	1989	rBV2	66070	88562	11.25%	0.653%
69	13.798	1989	1991	1993	rVV	67095	57002	7.24%	0.420%
70	13.827	1993	1996	1997	rVV	48818	55471	7.05%	0.409%
71	13.845	1997	1999	2001	rVV3	61073	75845	9.64%	0.559%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.868	2001	2003	2007	rVB	68139	61714	7.84%	0.455%
73	13.992	2020	2024	2026	rBV	821923	744838	94.63%	5.494%
74	14.021	2026	2029	2032	rVV2	575344	787142	100.00%	5.806%
75	14.051	2032	2034	2041	rVB	405327	341433	43.38%	2.519%
76	14.104	2041	2043	2045	rBV3	13209	12465	1.58%	0.092%
77	14.127	2045	2047	2051	rBV	71262	71199	9.05%	0.525%
78	14.168	2052	2054	2056	rVV3	30378	26898	3.42%	0.198%
79	14.215	2060	2062	2064	rVV	35574	38634	4.91%	0.285%
80	14.251	2064	2068	2071	rVB2	45094	63887	8.12%	0.471%
81	14.368	2086	2088	2090	rBV2	14854	10919	1.39%	0.081%
82	14.410	2091	2095	2098	rBV	77406	74232	9.43%	0.548%
83	14.439	2098	2100	2104	rBV2	37583	38233	4.86%	0.282%
84	14.480	2105	2107	2109	rBV3	23074	23589	3.00%	0.174%
85	14.504	2109	2111	2113	rVB	23792	14414	1.83%	0.106%
86	14.533	2113	2116	2118	rBV2	53126	53435	6.79%	0.394%
87	14.557	2118	2120	2124	rVB4	43416	43395	5.51%	0.320%
88	15.068	2202	2207	2210	rBV	306955	448037	56.92%	3.305%
89	15.174	2222	2225	2229	rVB	62550	58495	7.43%	0.431%
90	15.280	2237	2243	2247	rBV5	19508	54950	6.98%	0.405%
91	15.374	2255	2259	2265	rVB	164711	212895	27.05%	1.570%
92	15.439	2265	2270	2274	rBV	232189	278924	35.44%	2.057%
93	15.498	2275	2280	2284	rBV	251089	354100	44.99%	2.612%
94	15.533	2284	2286	2292	rVB2	75433	89144	11.33%	0.658%
95	15.992	2360	2364	2372	rVB10	18156	38588	4.90%	0.285%
96	16.980	2526	2532	2540	rVB2	83777	157016	19.95%	1.158%
97	17.156	2555	2562	2566	rBV2	21437	47637	6.05%	0.351%
98	17.209	2568	2571	2574	rBV5	9608	14475	1.84%	0.107%
99	17.427	2602	2608	2619	rVB	58611	122798	15.60%	0.906%
100	17.674	2645	2650	2653	rVB2	16523	30644	3.89%	0.226%

Sum of corrected areas: 13556556

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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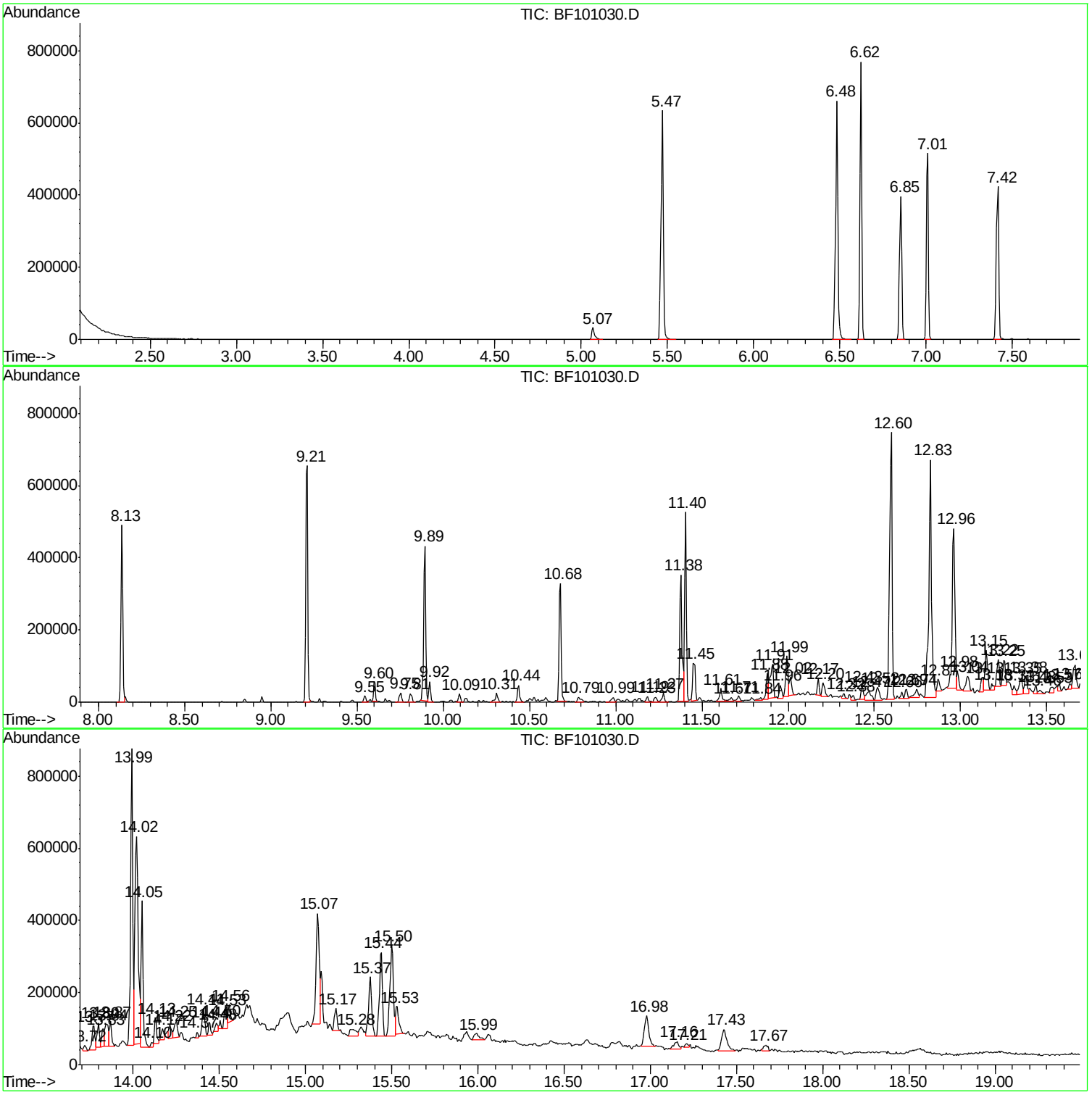
Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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\BF113017\
Data File : BF101030.D
Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

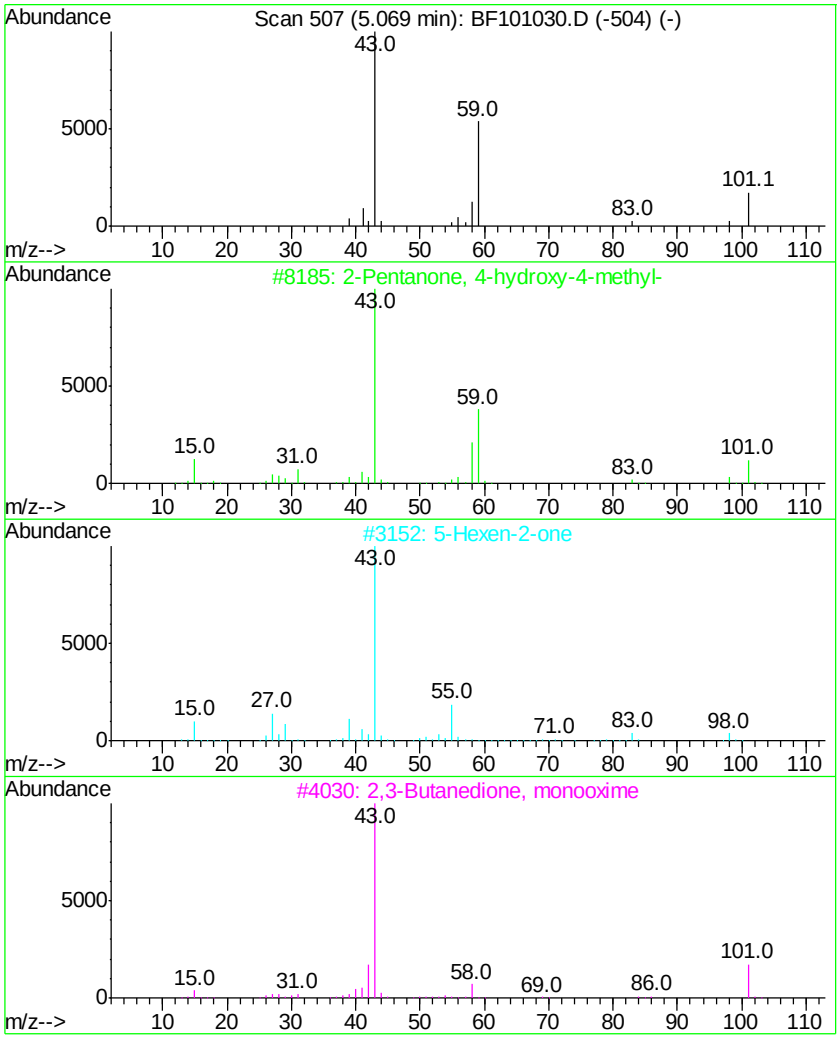
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

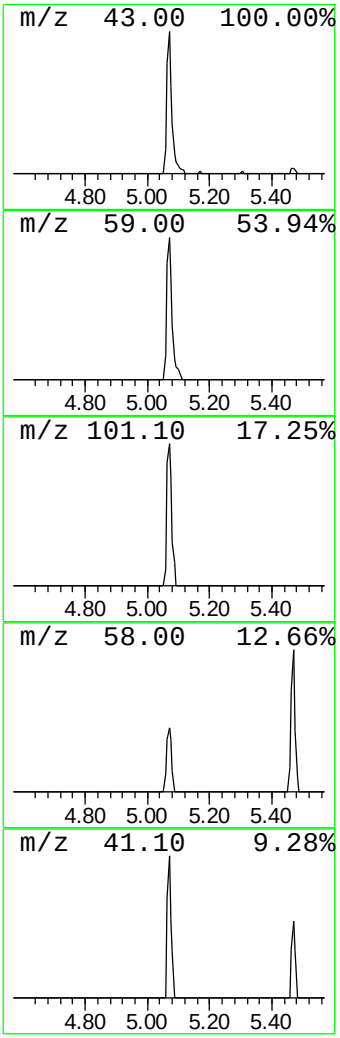
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	2.41 ng	37225	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101030.D
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Sample : I6610-15 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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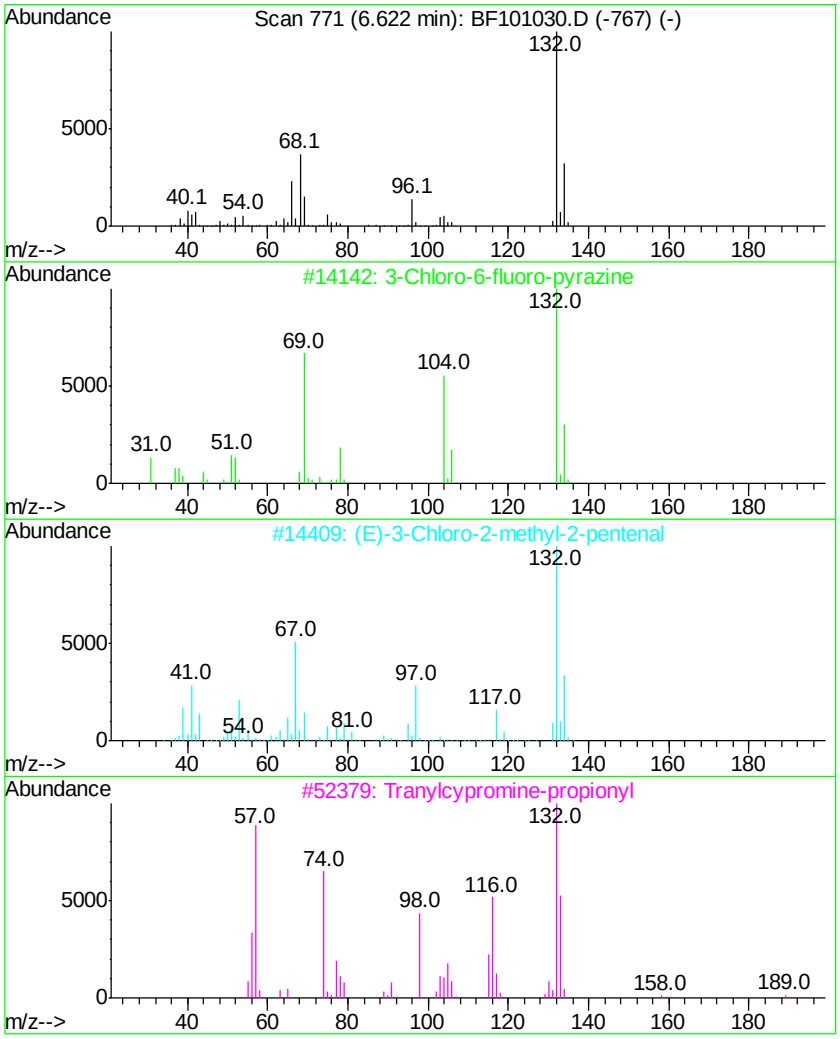
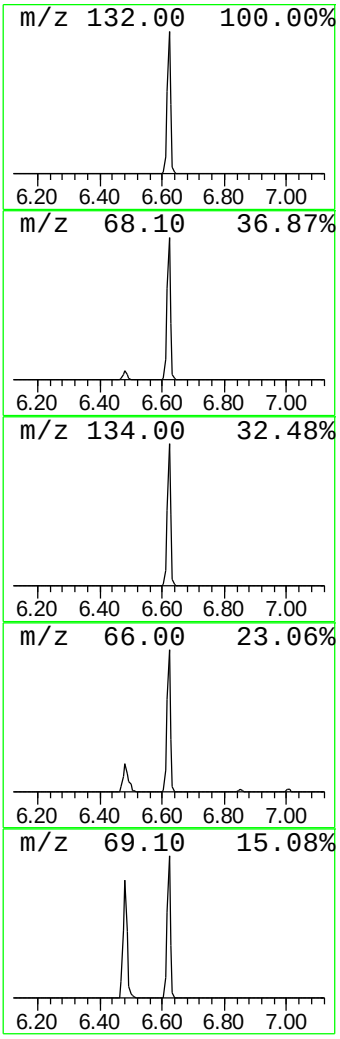
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	38.77 ng	599824	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
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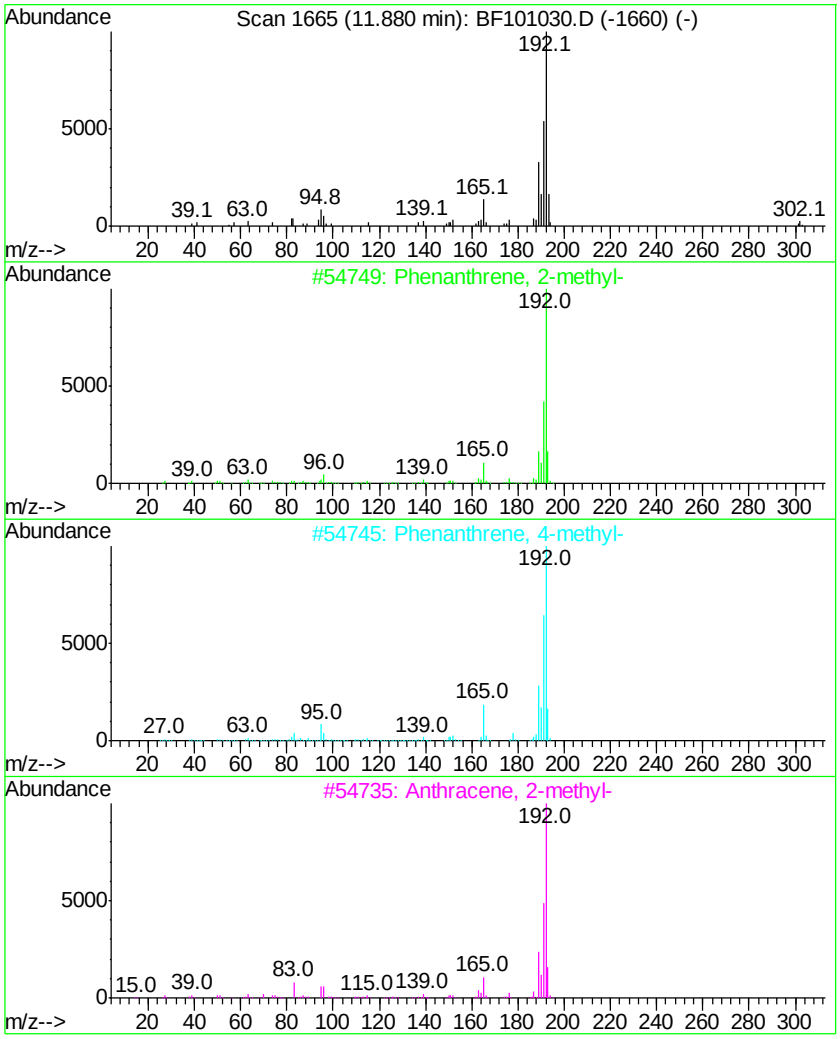
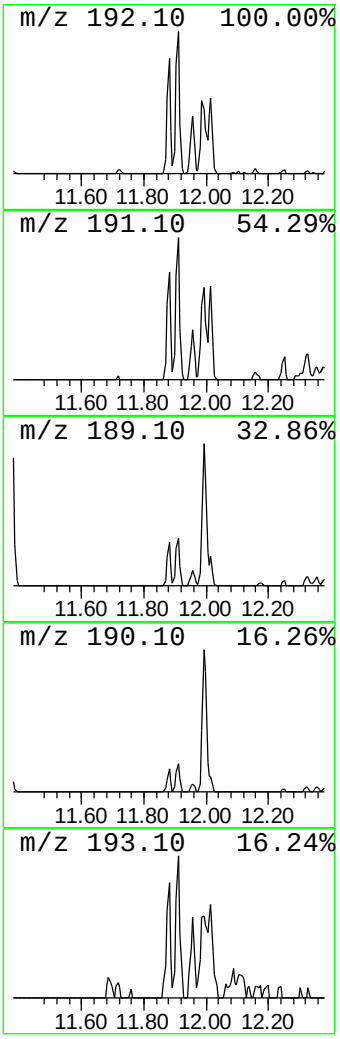
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.00 ng	66049	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

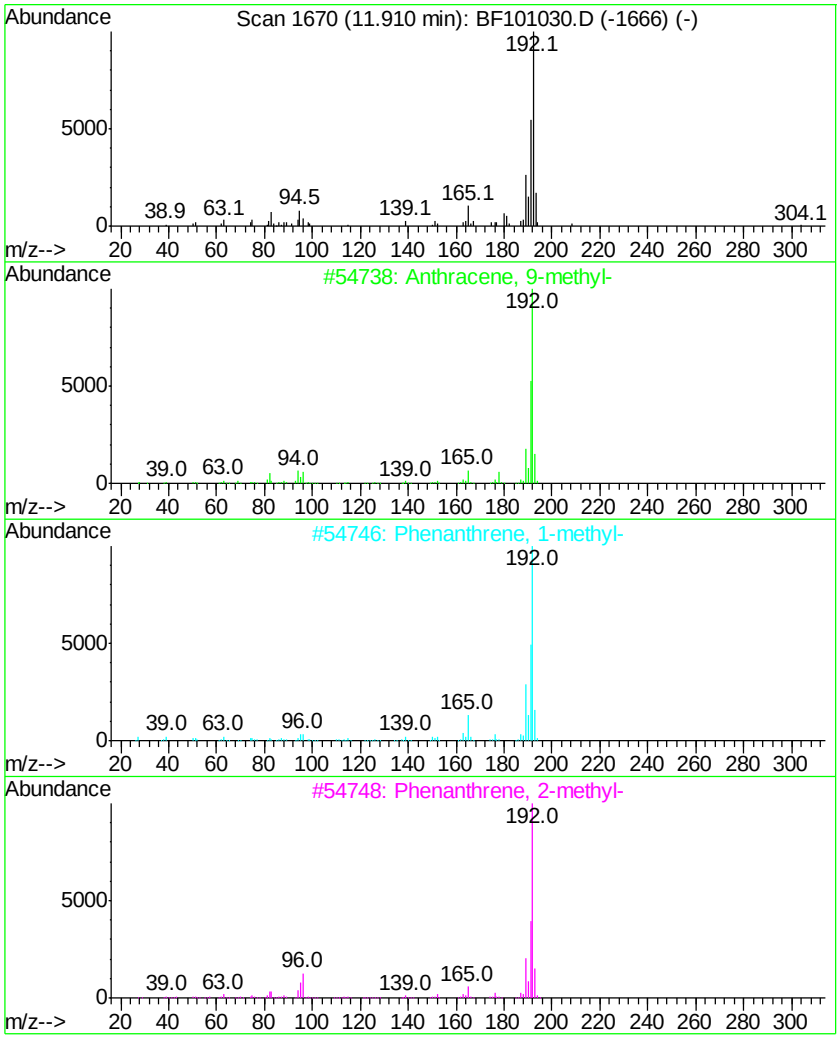
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

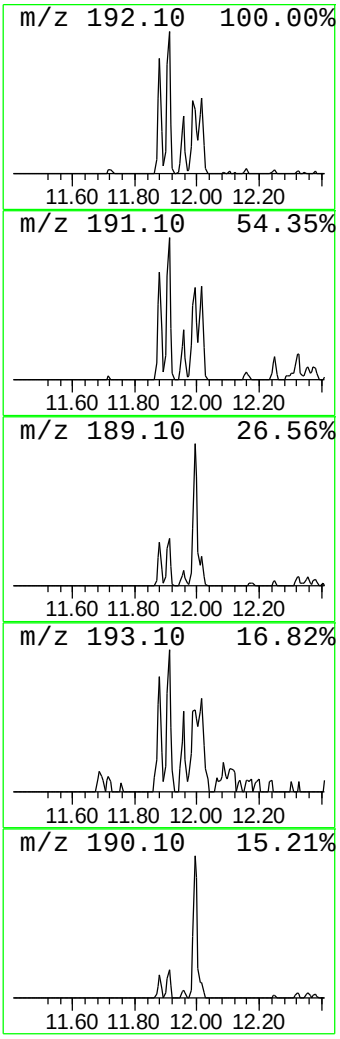
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	7.18 ng	118592	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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Data File : BF101030.D
Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

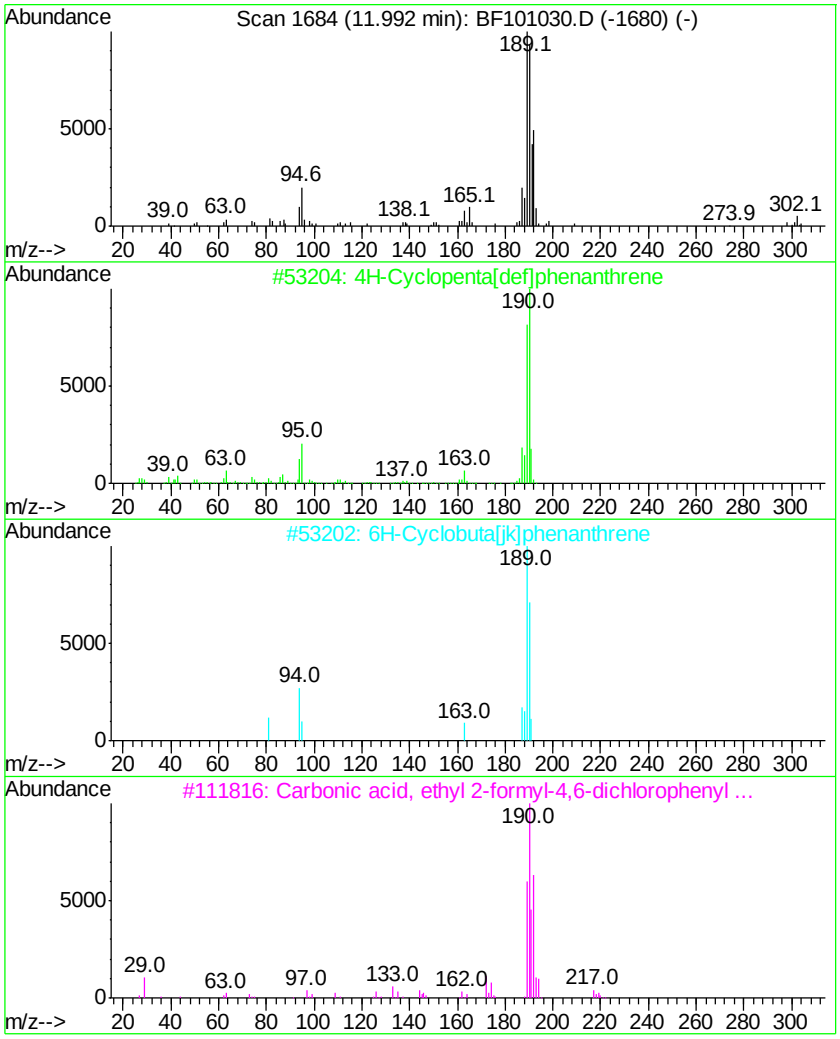
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

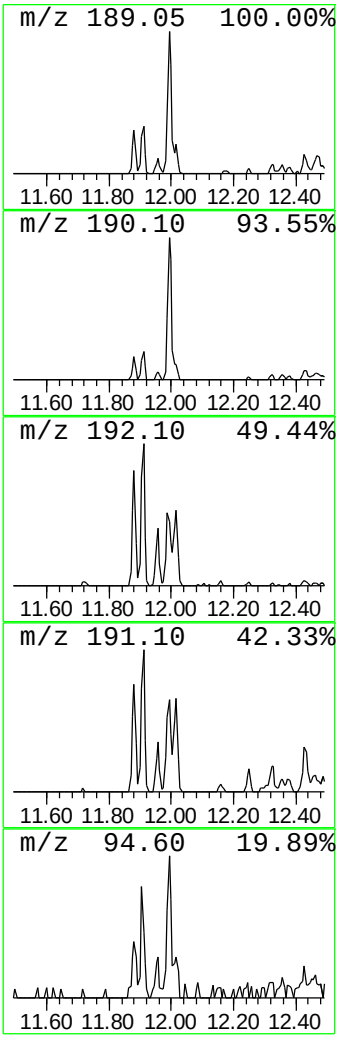
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.03 ng	116063	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
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	38





Library Search Compound Report

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Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

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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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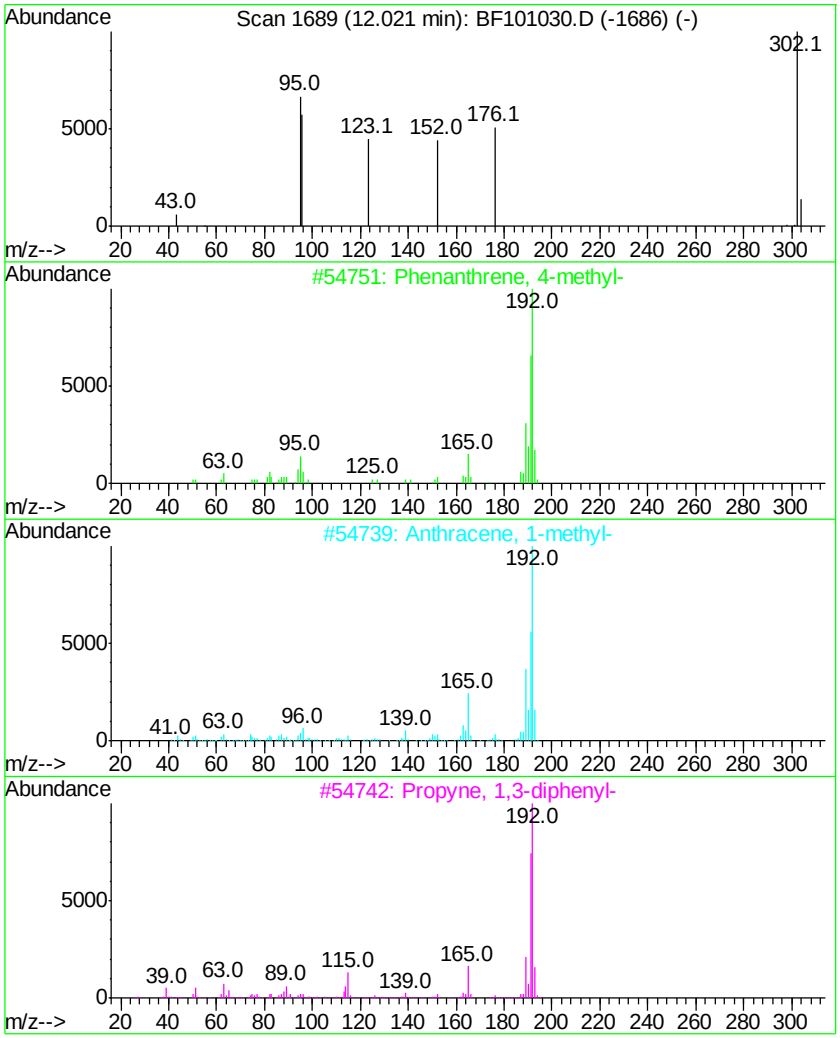
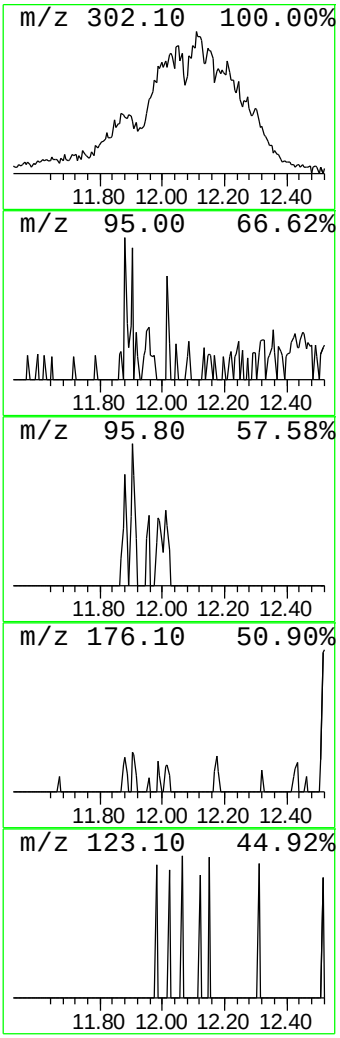
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.49 ng	41047	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	72





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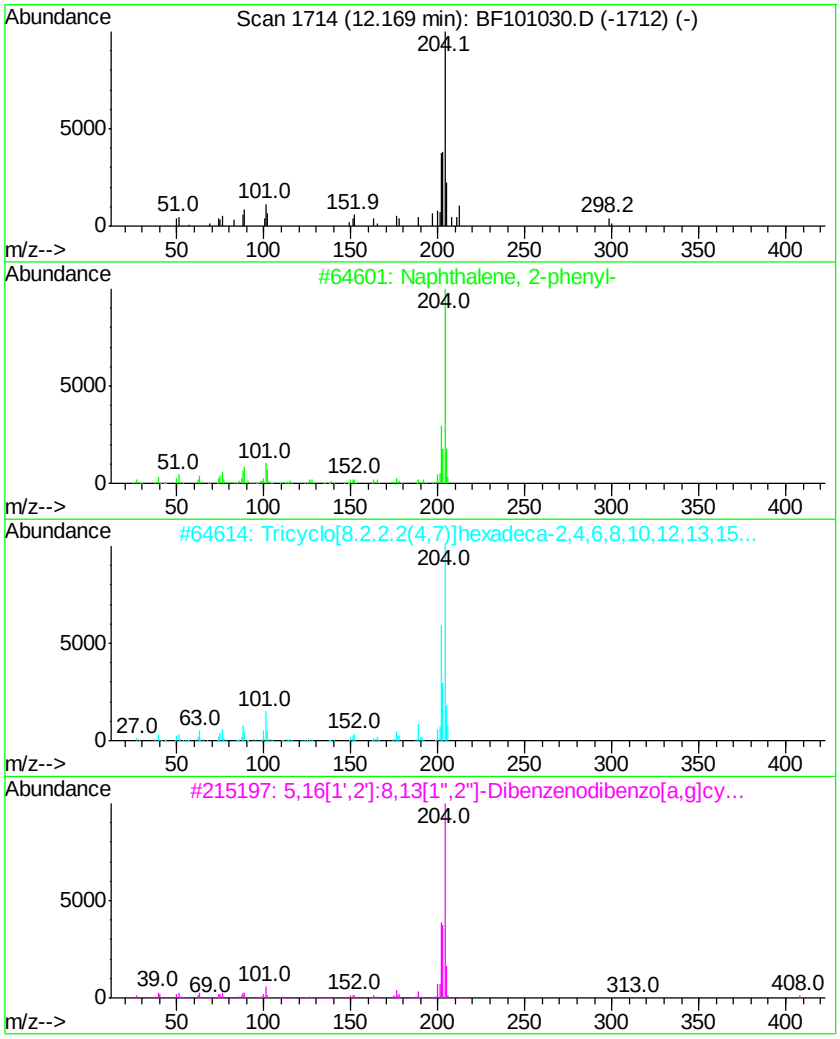
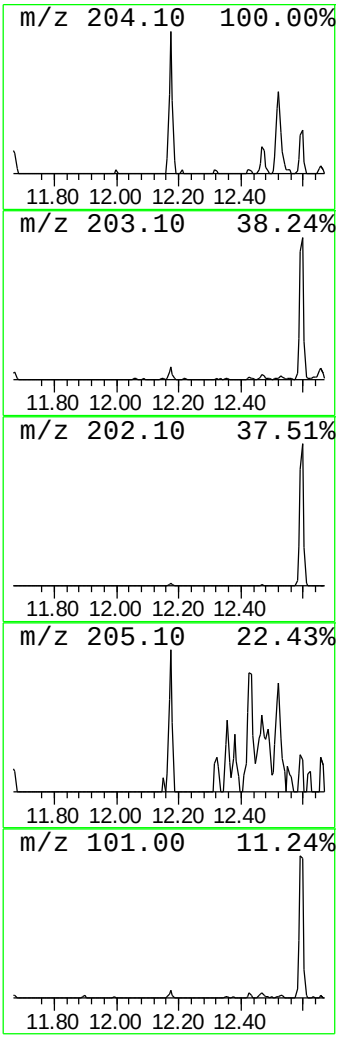
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.12 ng	34964	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	49
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47





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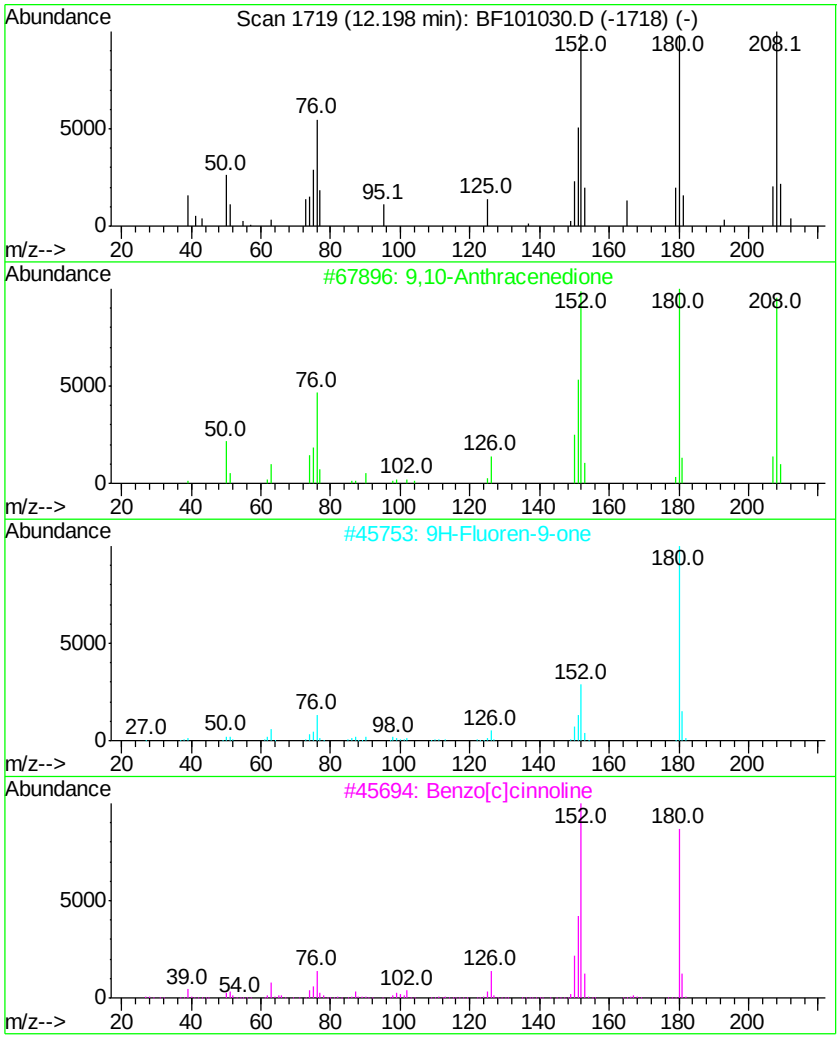
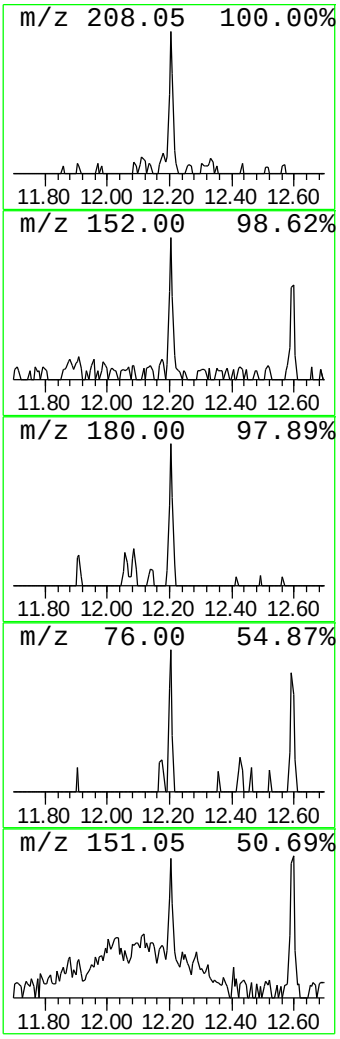
Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.03 ng	33487	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	47





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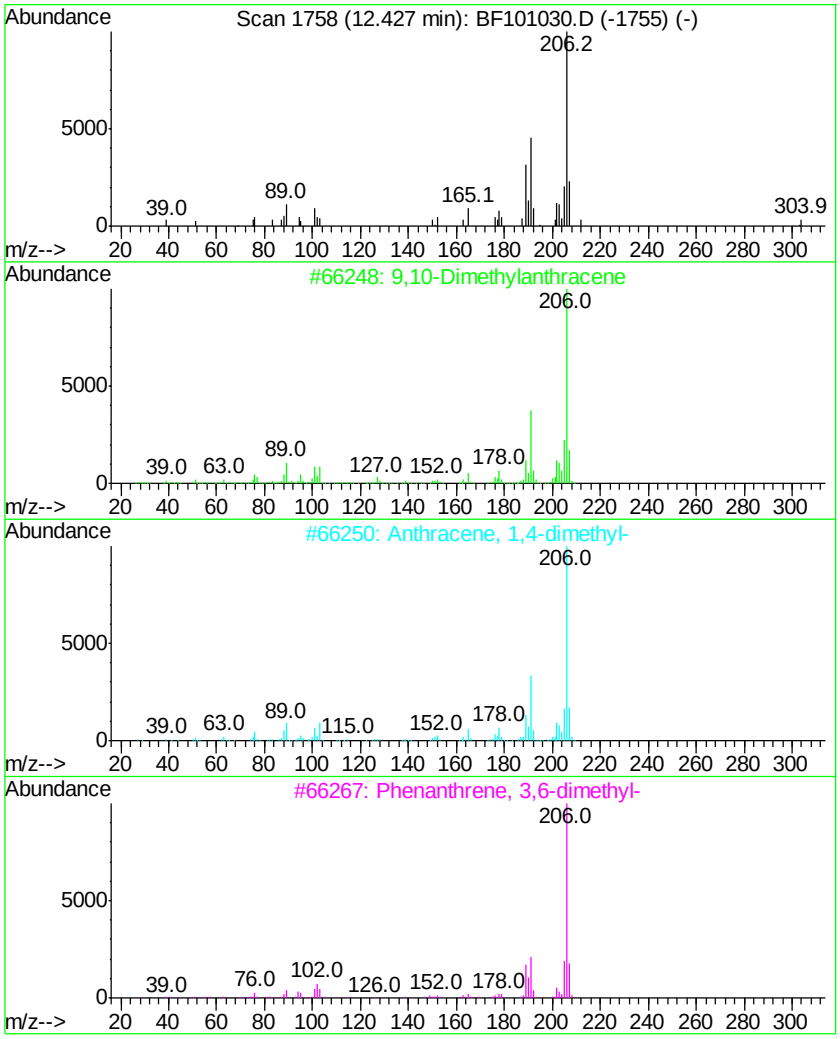
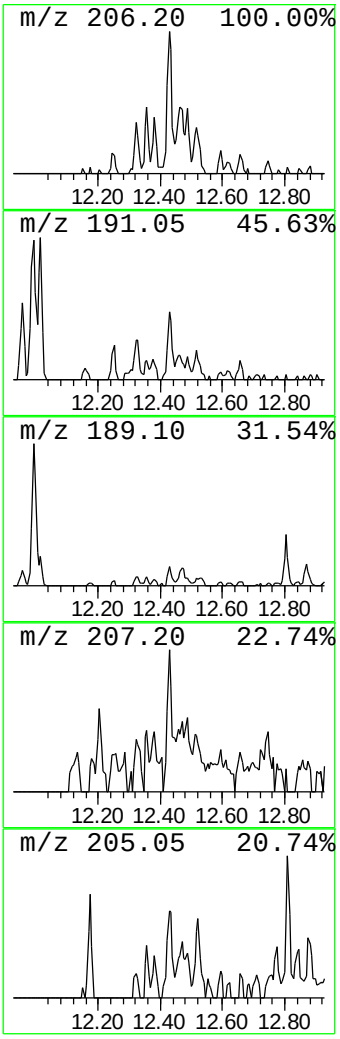
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.50 ng	41327	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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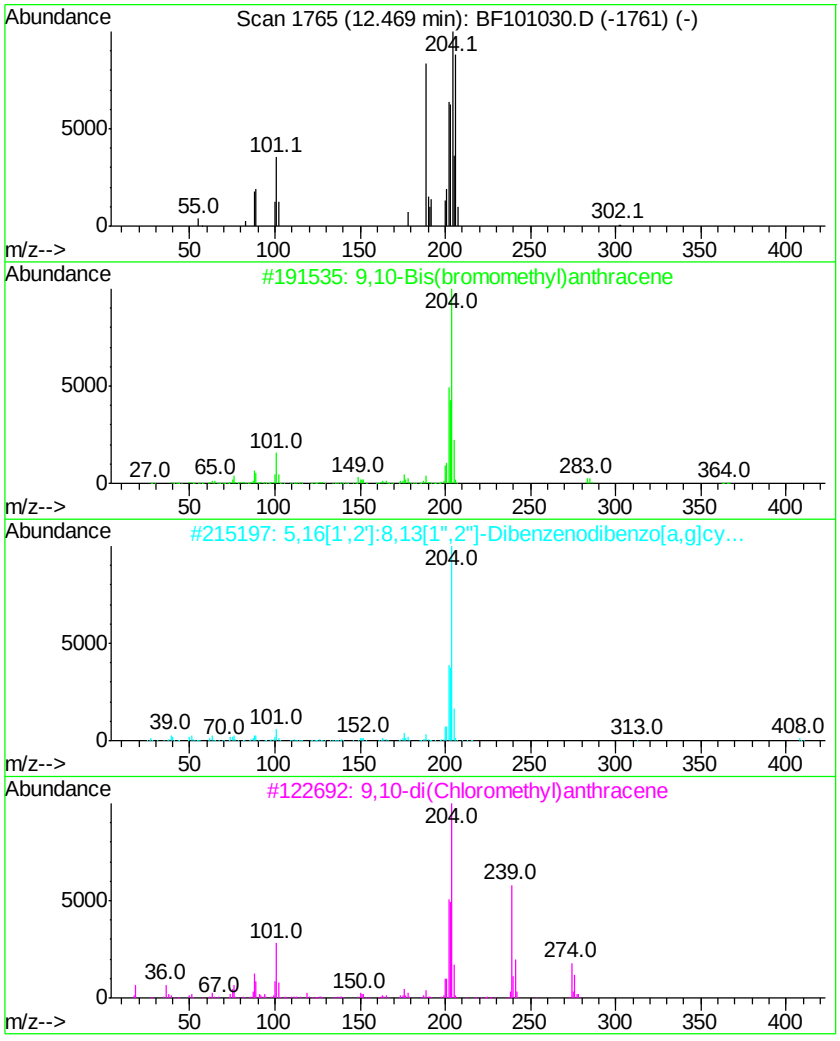
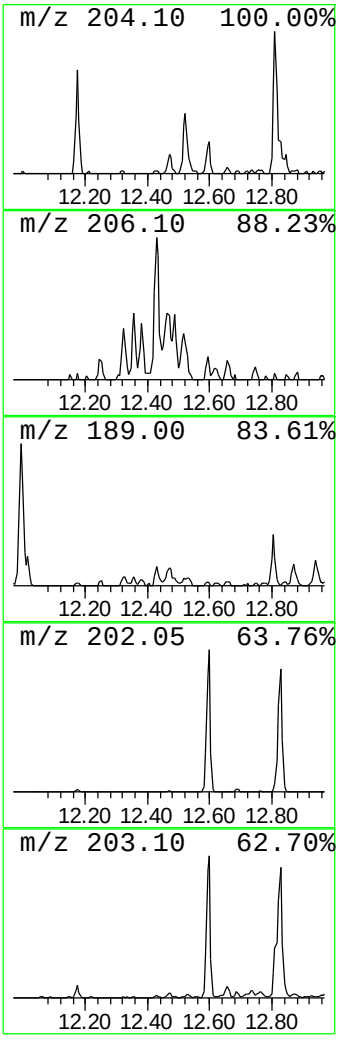
Peak Number 11 unknown12.47 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.59 ng	42733	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	38
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30





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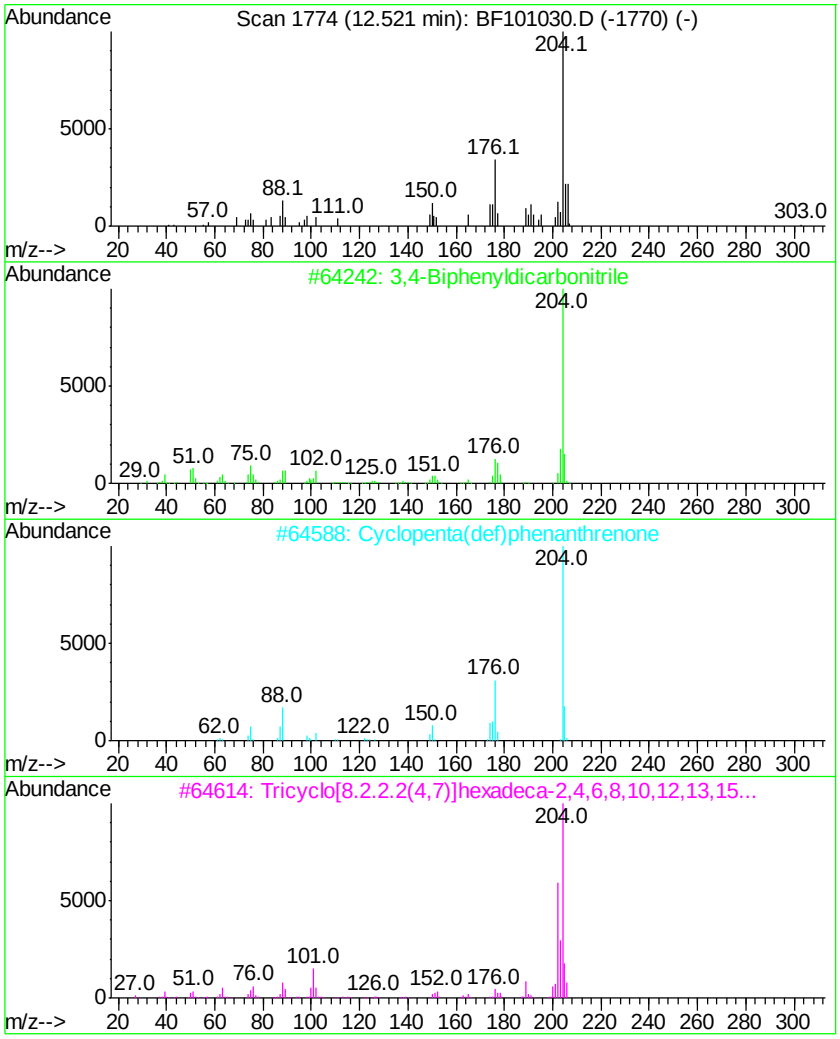
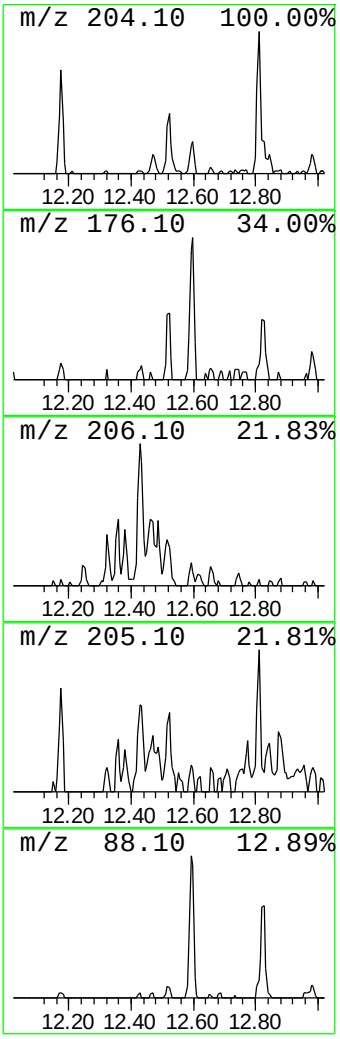
Peak Number 12 3,4-Biphenyldicarbonitrile Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.39 ng	39433	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	76
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	43





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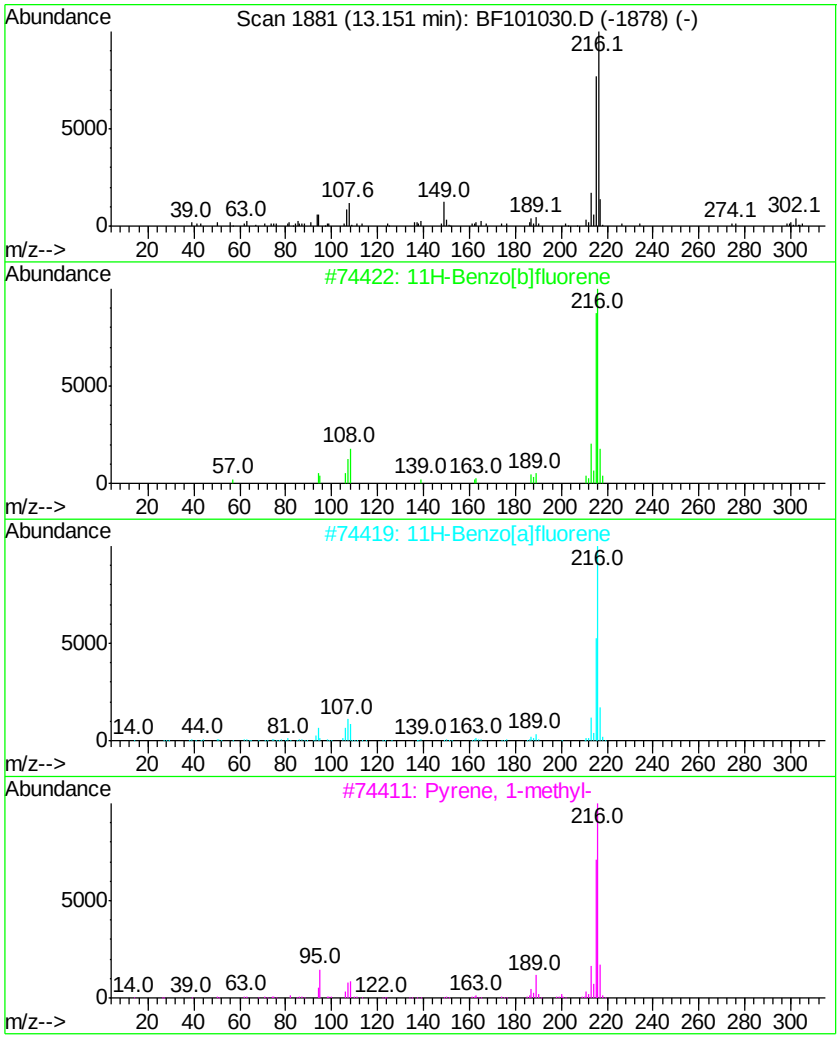
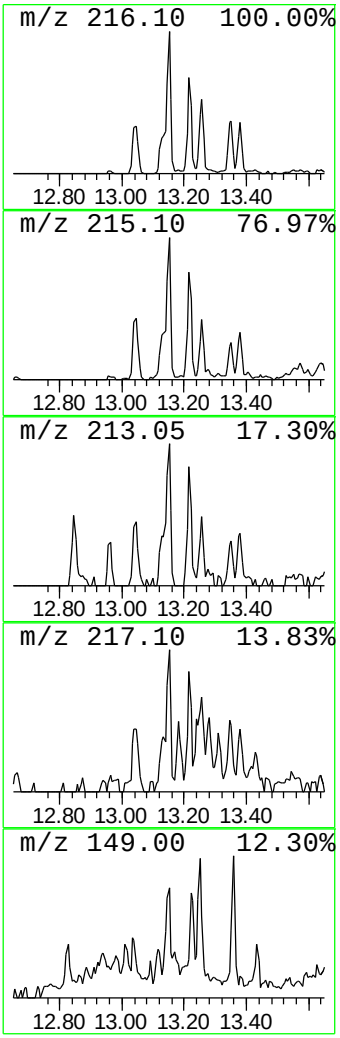
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.50 ng	98531	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	72





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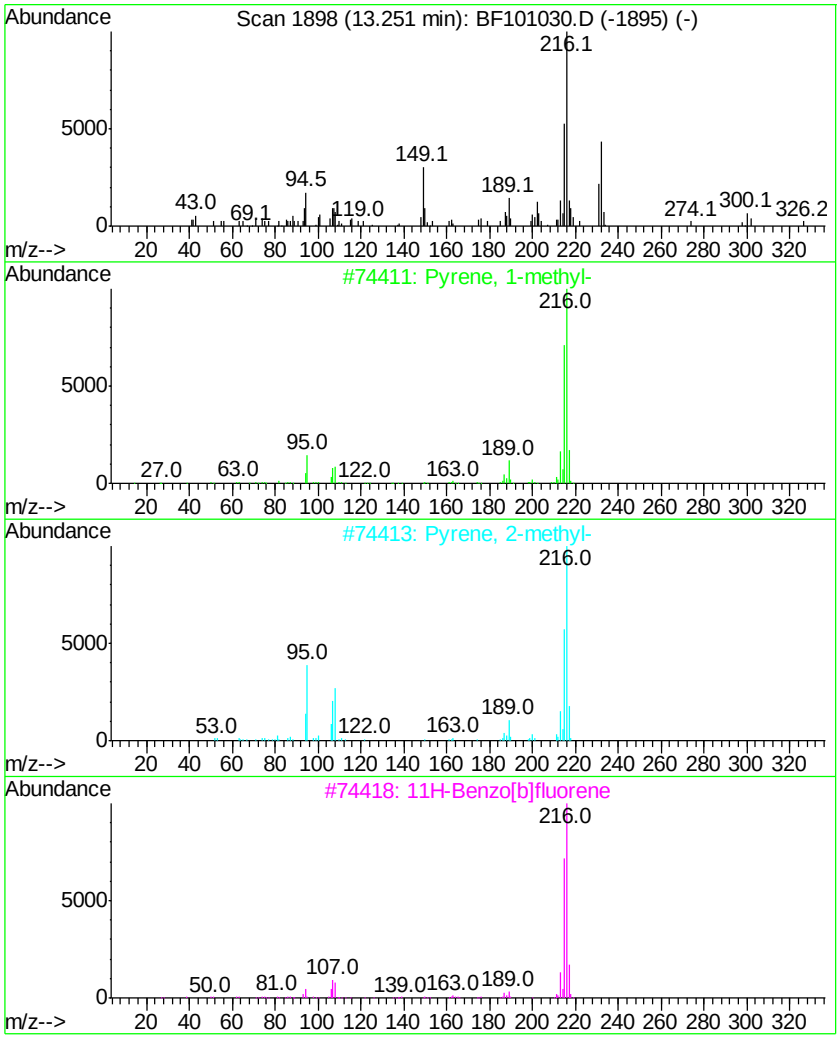
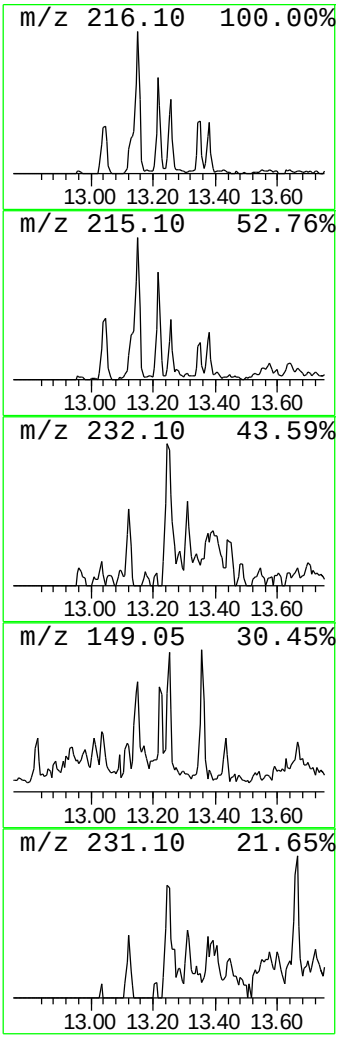
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.04 ng	80345	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	49
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	46





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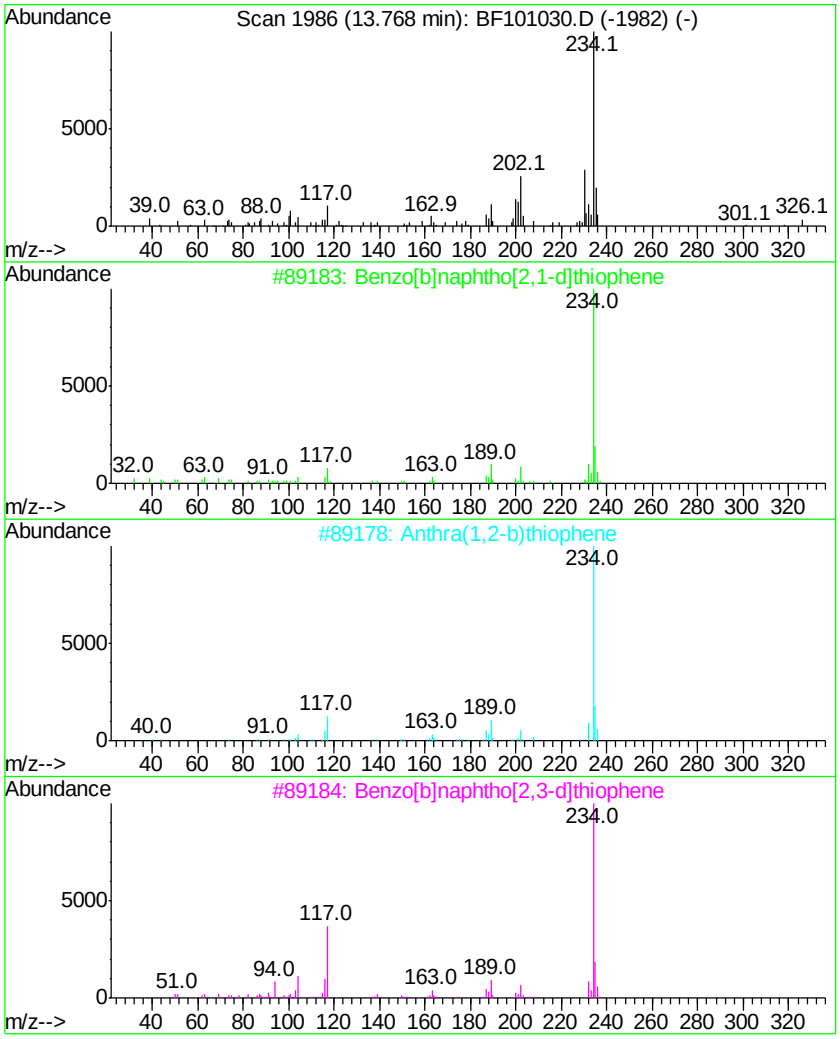
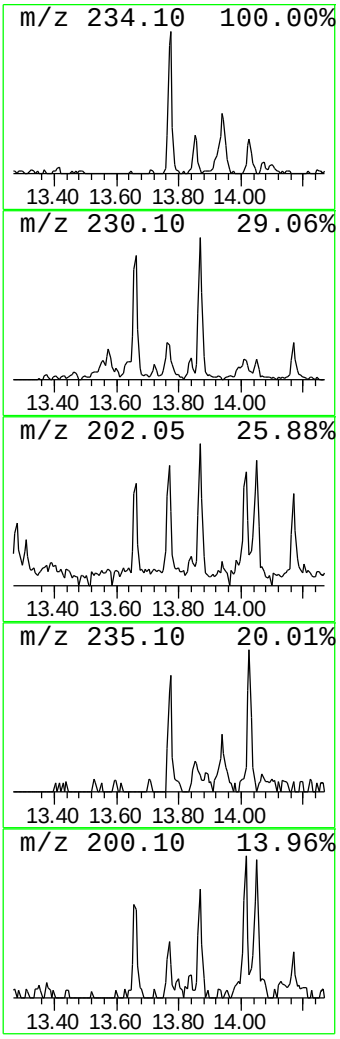
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.25 ng	88562	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	60





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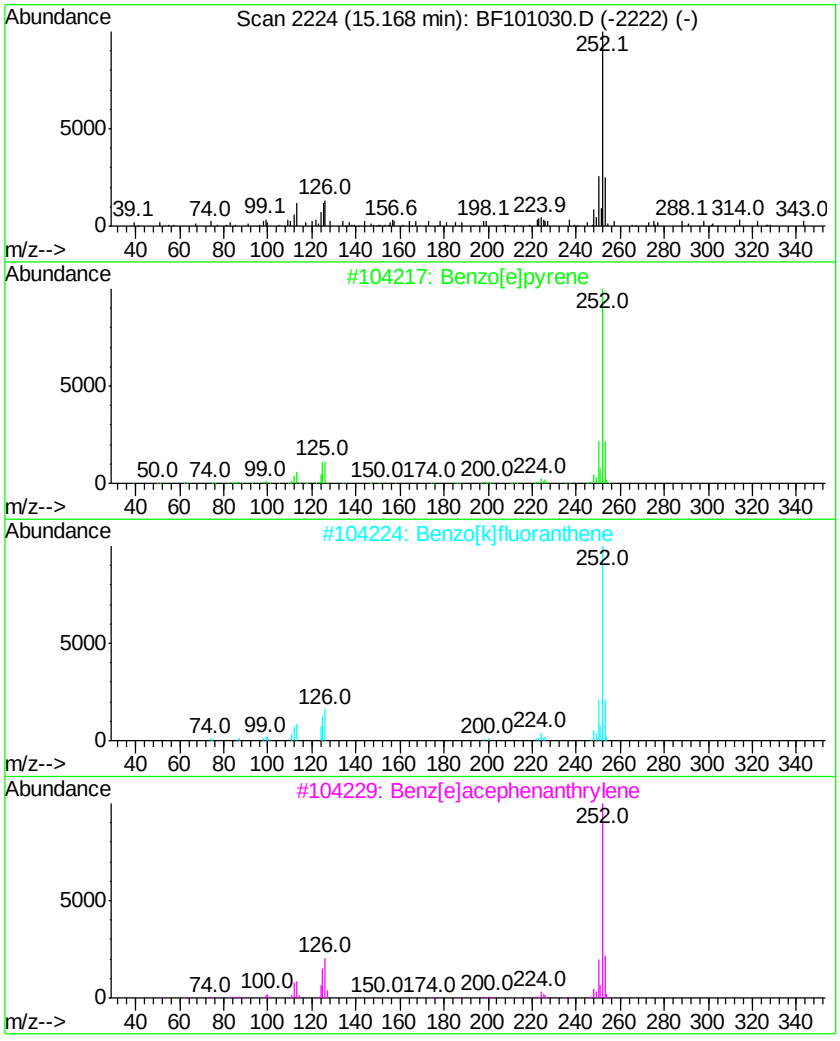
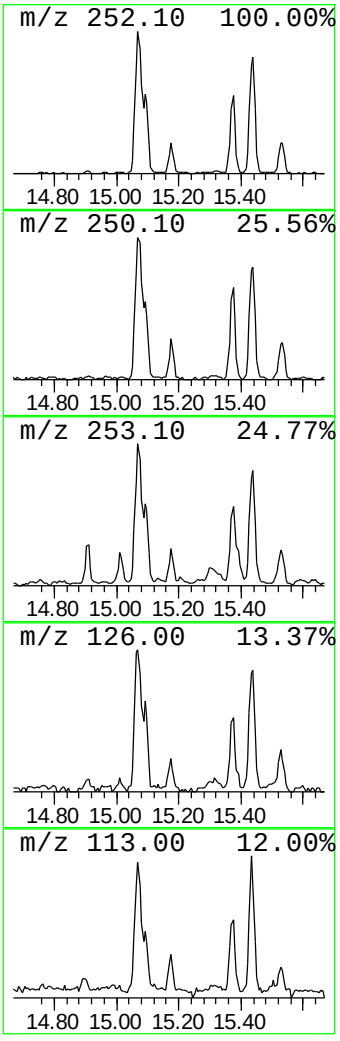
Peak Number 16 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	3.30 ng	58495	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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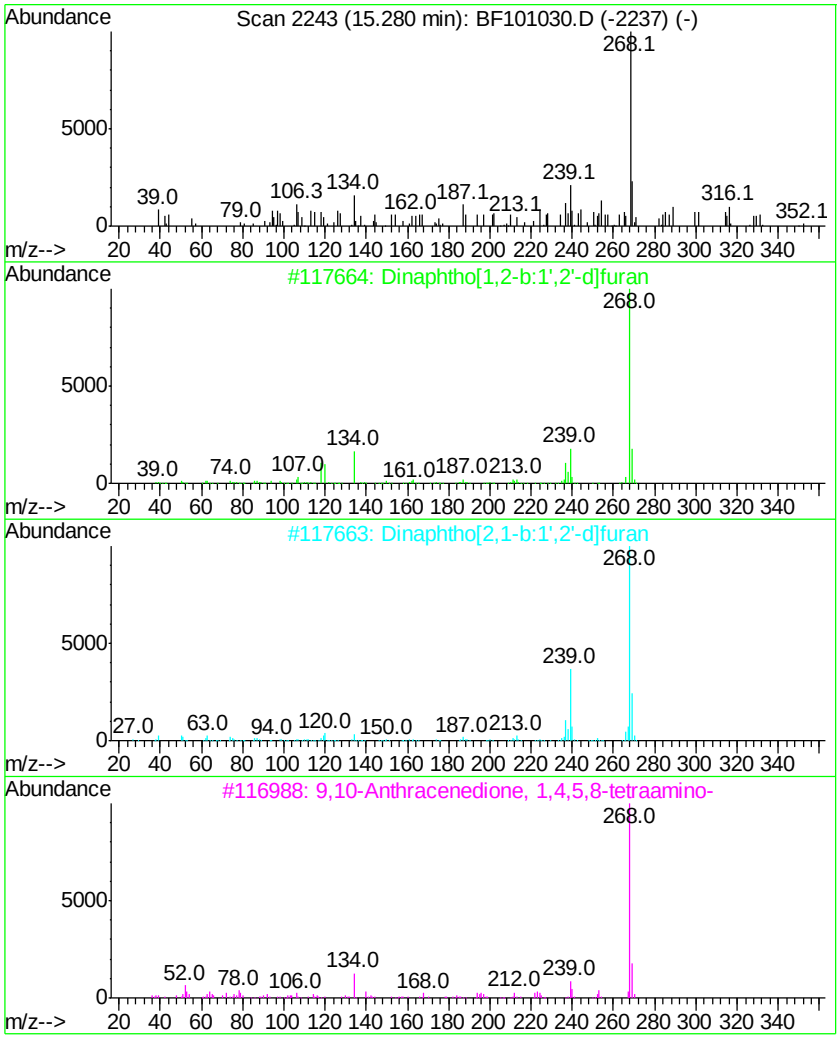
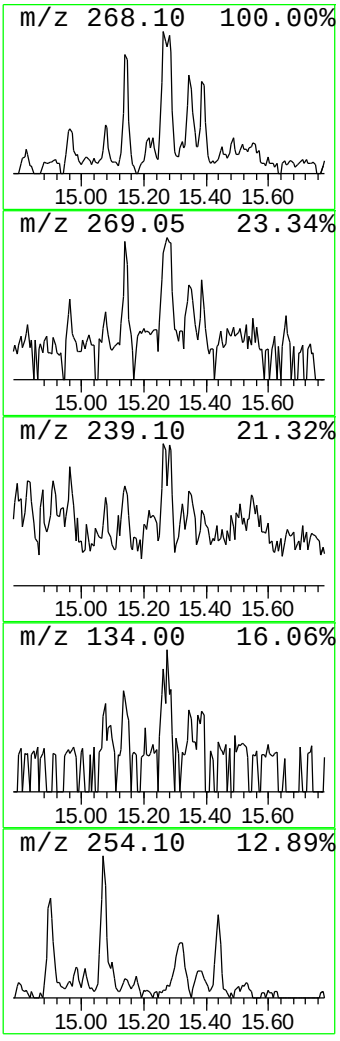
Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	3.10 ng	54950	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
4	(-)-2-Methylcholanthrene	268	C21H16	1000126-56-2	52
5	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	52





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Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

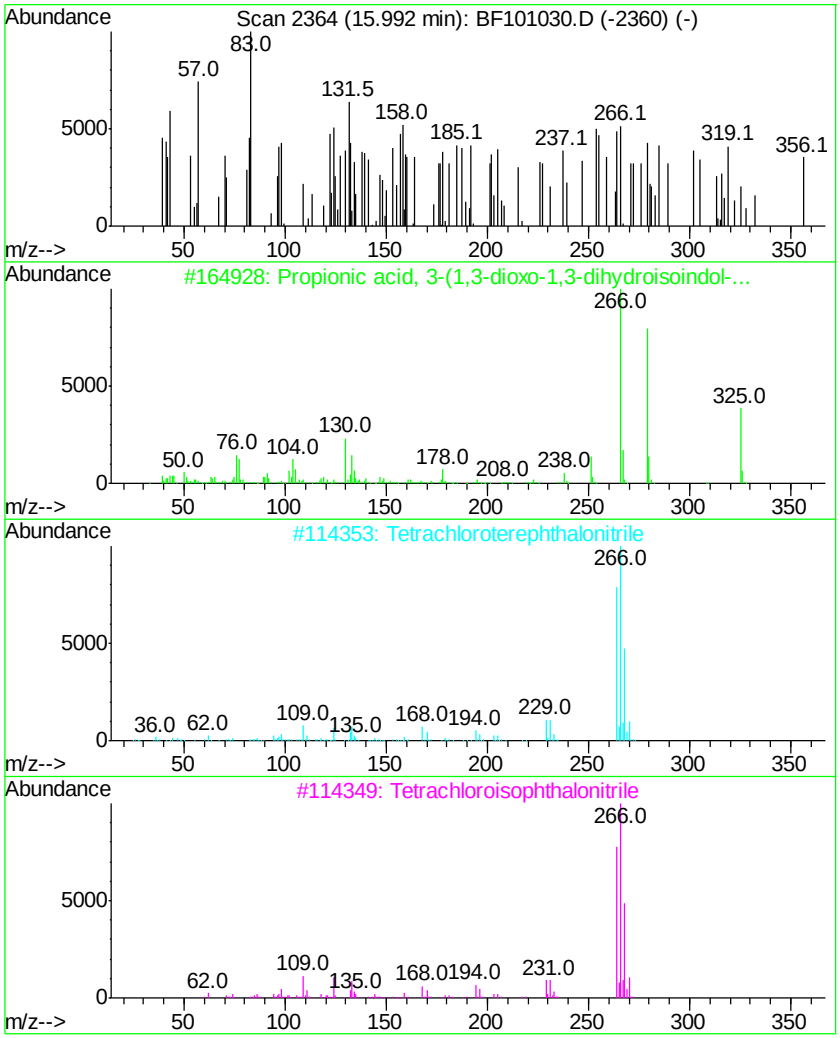
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

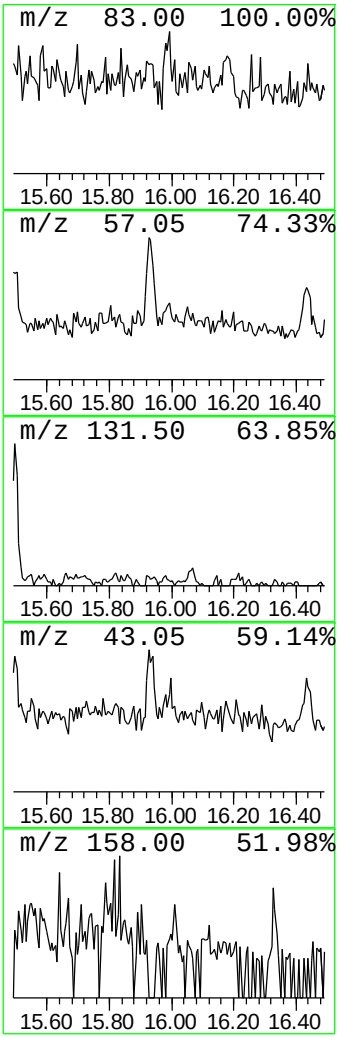
****

Peak Number 19 unknown15.99 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.18 ng	38588	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propionic acid, 3-(1,3-dioxo-1,3...	325	C18H15NO5	1000315-95-9	10
2	Tetrachloroterephthalonitrile	264	C8Cl4N2	001897-41-2	9
3	Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	9
4	Phenol, pentachloro-	264	C6HCl5O	000087-86-5	9
5	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101030.D
Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

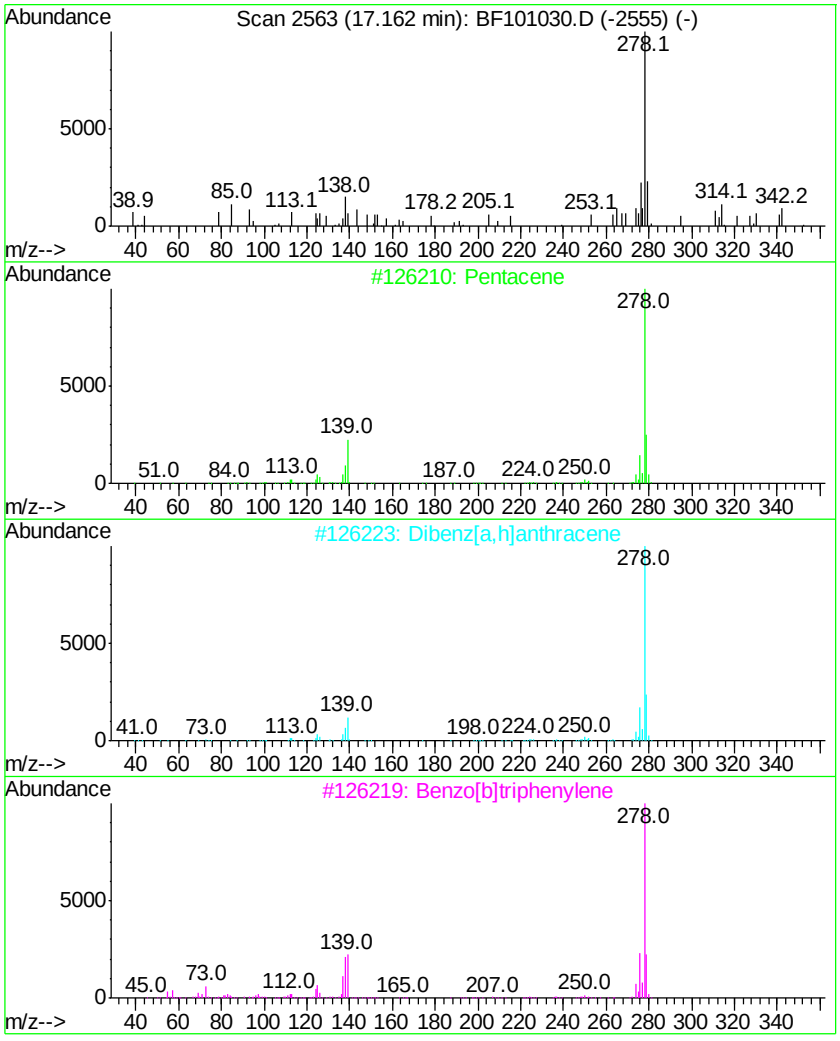
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

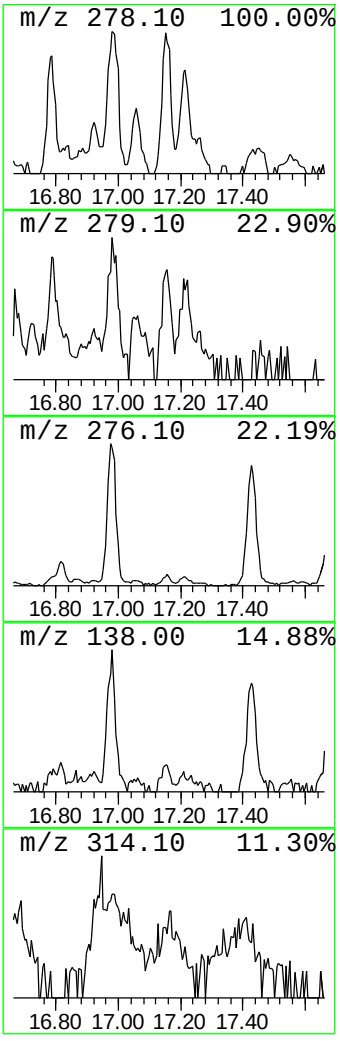
****

Peak Number 20 Pentacene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	2.69 ng	47637	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	58
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	53
4	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	53
5	Picene	278	C22H14	000213-46-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101030.D
Acq On : 30 Nov 2017 21:05
Operator : SJ/JU
Sample : I6610-15 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-X(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.07	2.4	ng	37225	1	6.85	309402	20.0
unknown6.62	6.62	38.8	ng	599824	1	6.85	309402	20.0
Phenanthrene, 2-m...	11.88	4.0	ng	66049	4	11.38	330180	20.0
Anthracene, 9-met...	11.91	7.2	ng	118592	4	11.38	330180	20.0
4H-Cyclopenta[def...	11.99	7.0	ng	116063	4	11.38	330180	20.0
Phenanthrene, 4-m...	12.02	2.5	ng	41047	4	11.38	330180	20.0
Naphthalene, 2-ph...	12.17	2.1	ng	34964	4	11.38	330180	20.0
9,10-Anthracenedione	12.20	2.0	ng	33487	4	11.38	330180	20.0
9,10-Dimethylanth...	12.43	2.5	ng	41327	4	11.38	330180	20.0
unknown12.47	12.47	2.6	ng	42733	4	11.38	330180	20.0
3,4-Biphenyldicar...	12.52	2.4	ng	39433	4	11.38	330180	20.0
11H-Benzo[b]fluorene	13.15	2.5	ng	98531	5	14.03	787142	20.0
Pyrene, 1-methyl-	13.25	2.0	ng	80345	5	14.03	787142	20.0
Benzo[b]naphtho[2...	13.77	2.3	ng	88562	5	14.03	787142	20.0
Benzo[e]pyrene	15.17	3.3	ng	58495	6	15.50	354100	20.0
Dinaphtho[1,2-b:1...	15.28	3.1	ng	54950	6	15.50	354100	20.0
unknown15.99	15.99	2.2	ng	38588	6	15.50	354100	20.0
Pentacene	17.16	2.7	ng	47637	6	15.50	354100	20.0