LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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	5.630	556	560	580	rBV	250770	637541	16.18%	1.250%
2	6.625	725	729	750	rBV	391697	890735	22.61%	1.747%
3	6.766	750	753	784	rVB	653897	997644	25.32%	1.957%
4	7.001	789	793	815	rVB	536643	785083	19.93%	1.540%
5	7.154	815	819	834	rBV	428471	567952	14.42%	1.114%
6	7.560	885	888	912	rBV	340027	604886	15.35%	1.186%
7	8.283	1007	1011	1031	rBV	812205	1110449	28.19%	2.178%
8	9.001	1129	1133	1138	rBV	29322	49249	1.25%	0.097%
9	9.354	1189	1193	1202	rBV	681803	770150	19.55%	1.511%
10	9.742	1254	1259	1269	rVB2	80204	114093	2.90%	0.224%
11	10.042	1306	1310	1313	rBV2	1084628	1031346	26.18%	2.023%
12	10.077	1313	1316	1322	rVB	462857	493139	12.52%	0.967%
13	10.248	1340	1345	1355	rBV	139341	212005	5.38%	0.416%
14	10.560	1392	1398	1400	rBV4	41327	63474	1.61%	0.124%
15	10.595	1400	1404	1409	rVV	273740	293971	7.46%	0.577%
16	10.683	1416	1419	1424	rVB3	61627	98179	2.49%	0.193%
17	10.836	1441	1445	1451	rBV	508495	643500	16.33%	1.262%
18	10.883	1451	1453	1457	rVV	130380	114020	2.89%	0.224%
19	10.936	1457	1462	1464	rVV2	41199	59317	1.51%	0.116%
20	10.971	1466	1468	1470	rVV	79751	70510	1.79%	0.138%
21	11.036	1476	1479	1483	rVB	91887	85643	2.17%	0.168%
22	11.259	1514	1517	1520	rBV3	51311	62823	1.59%	0.123%
23	11.348	1529	1532	1534	rBV	100215	97182	2.47%	0.191%
24	11.377	1534	1537	1539	rBV2	80682	100582	2.55%	0.197%
25	11.436	1544	1547	1550	rBV	136852	149954	3.81%	0.294%
26	11.542	1560	1565	1567	rBV	993610	1116974	28.35%	2.191%
27	11.565	1567	1569	1574	rVV	2798680	2903326	73.69%	5.694%
28	11.618	1575	1578	1583	rVB	506029	514947	13.07%	1.010%
29	11.736	1595	1598	1600	rBV	44841	53337	1.35%	0.105%
30	11.777	1600	1605	1609	rBV	340082	420123	10.66%	0.824%
31	11.824	1611	1613	1616	rVB2	60932	66382	1.68%	0.130%
32	12.042	1647	1650	1652	rBV	265983	258942	6.57%	0.508%
33	12.071	1652	1655	1660	rVV	337017	358795	9.11%	0.704%
34	12.118	1660	1663	1666	rVV2	94825	91892	2.33%	0.180%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.159	1666	1670	1677	rVB2	452007	669680	17.00%	1.313%
36	12.336	1697	1700	1703	rBV	205563	195789	4.97%	0.384%
37	12.371	1703	1706	1710	rVB	317864	349807	8.88%	0.686%
38	12.489	1723	1726	1729	rVB3	49992	53990	1.37%	0.106%
39	12.518	1729	1731	1733	rBV2	62991	48396	1.23%	0.095%
40	12.589	1740	1743	1746	rBV	90922	122436	3.11%	0.240%
41	12.689	1756	1760	1768	rVB2	120057	167158	4.24%	0.328%
42	12.765	1768	1773	1781	rBV	3542089	3927630	99.69%	7.703%
43	12.824	1781	1783	1791	rVB2	68392	76895	1.95%	0.151%
44	12.912	1796	1798	1805	rVB2	110748	153805	3.90%	0.302%
45	13.001	1805	1813	1817	rBV2	2979817	3732039	94.73%	7.320%
46	13.036	1817	1819	1824	rVB	146535	168598	4.28%	0.331%
47	13.118	1828	1833	1837	rVV2	554905	666183	16.91%	1.307%
48	13.153	1837	1839	1844	rVV	128585	160044	4.06%	0.314%
49	13.201	1844	1847	1852	rVV2	160779	281626	7.15%	0.552%
50	13.248	1853	1855	1858	rVV	72095	82788	2.10%	0.162%
51	13.295	1860	1863	1864	rVV3	147881	158210	4.02%	0.310%
52	13.318	1864	1867	1871	rVV	459131	489337	12.42%	0.960%
53	13.383	1875	1878	1881	rVV	288366	303282	7.70%	0.595%
54	13.424	1881	1885	1887	rVV2	231888	325390	8.26%	0.638%
55	13.448	1887	1889	1892	rVV2	202886	204398	5.19%	0.401%
56	13.477	1892	1894	1898	rVV	78030	81042	2.06%	0.159%
57	13.518	1898	1901	1903	rVV	102796	109320	2.77%	0.214%
58	13.548	1903	1906	1909	rVV2	141183	178662	4.53%	0.350%
59	13.589	1911	1913	1916	rVV2	109290	108735	2.76%	0.213%
60	13.636	1919	1921	1925	rVB	83014	84163	2.14%	0.165%
61	13.748	1937	1940	1942	rBV	80683	74769	1.90%	0.147%
62	13.830	1951	1954	1959	rVB	276475	266229	6.76%	0.522%
63	13.942	1969	1973	1975	rBV2	317537	338106	8.58%	0.663%
64	13.971	1975	1978	1980	rVV	297567	320154	8.13%	0.628%
65	14.001	1980	1983	1987	rVV2	247169	404258	10.26%	0.793%
66	14.042	1987	1990	1997	rVB	336265	347147	8.81%	0.681%
67	14.136	2000	2006	2010	rVV	2396114	3939675	100.00%	7.727%
68	14.189	2010	2015	2019	rVV2	1757598	2842818	72.16%	5.576%
69	14.224	2019	2021	2028	rVB	1718053	1567184	39.78%	3.074%
70	14.306	2032	2035	2040	rBV	337694	317186	8.05%	0.622%
71	14.348	2040	2042	2045	rBV3	61689	74039	1.88%	0.145%

LSC Area Percent Report

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Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.395	2048	2050	2051	rVV	86235	67865	1.72%	0.133%
73	14.430	2054	2056	2058	rVB	127580	105184	2.67%	0.206%
74	14.548	2073	2076	2078	rBV2	112461	138437	3.51%	0.272%
75	14.583	2079	2082	2085	rVV	237243	261308	6.63%	0.513%
76	14.618	2085	2088	2092	rVB	1134279	1068964	27.13%	2.097%
77	14.712	2102	2104	2106	rBV	129033	120264	3.05%	0.236%
78	14.736	2106	2108	2111	rVB2	149139	135308	3.43%	0.265%
79	14.771	2112	2114	2115	rBV2	55981	49209	1.25%	0.097%
80	14.918	2135	2139	2141	rBV2	127595	157355	3.99%	0.309%
81	14.948	2142	2144	2148	rVB3	126884	134512	3.41%	0.264%
82	15.112	2169	2172	2180	rBV3	87693	130666	3.32%	0.256%
83	15.295	2197	2203	2205	rBV	1206370	2007609	50.96%	3.938%
84	15.406	2218	2222	2226	rVB	208018	257675	6.54%	0.505%
85	15.453	2226	2230	2234	rBV4	84627	163964	4.16%	0.322%
86	15.495	2235	2237	2245	rVB6	97083	161654	4.10%	0.317%
87	15.618	2254	2258	2265	rVB	711200	1121794	28.47%	2.200%
88	15.695	2265	2271	2278	rVV	995308	1640957	41.65%	3.218%
89	15.759	2278	2282	2285	rVV	552320	795240	20.19%	1.560%
90	15.789	2285	2287	2296	rVB	297787	410890	10.43%	0.806%
91	16.189	2352	2355	2360	rVB	69486	92334	2.34%	0.181%
92	16.365	2382	2385	2397	rVB2	70832	172472	4.38%	0.338%
93	16.741	2445	2449	2463	rVB6	73444	184338	4.68%	0.362%
94	16.883	2469	2473	2479	rBV6	32978	68167	1.73%	0.134%
95	17.377	2549	2557	2566	rVV2	417246	927444	23.54%	1.819%
96	17.447	2567	2569	2576	rVB2	29172	50546	1.28%	0.099%
97	17.565	2583	2589	2595	rBV	77052	186765	4.74%	0.366%
98	17.630	2596	2600	2606	rVB2	60546	119642	3.04%	0.235%
99	17.871	2633	2641	2660	rVB2	260130	695805	17.66%	1.365%
100	18.136	2679	2686	2702	rVB3	82953	280553	7.12%	0.550%

Sum of corrected areas: 50986034

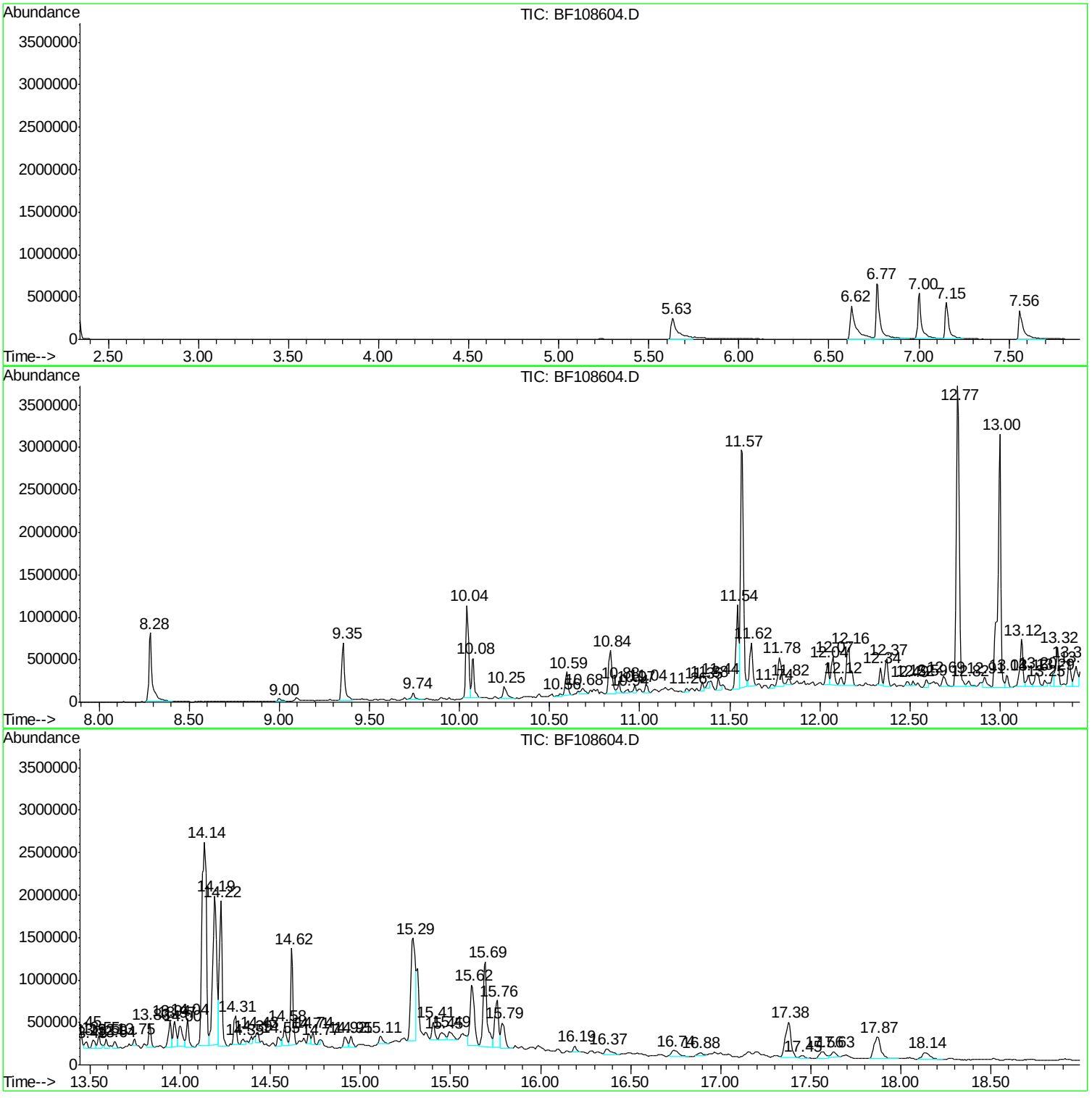
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

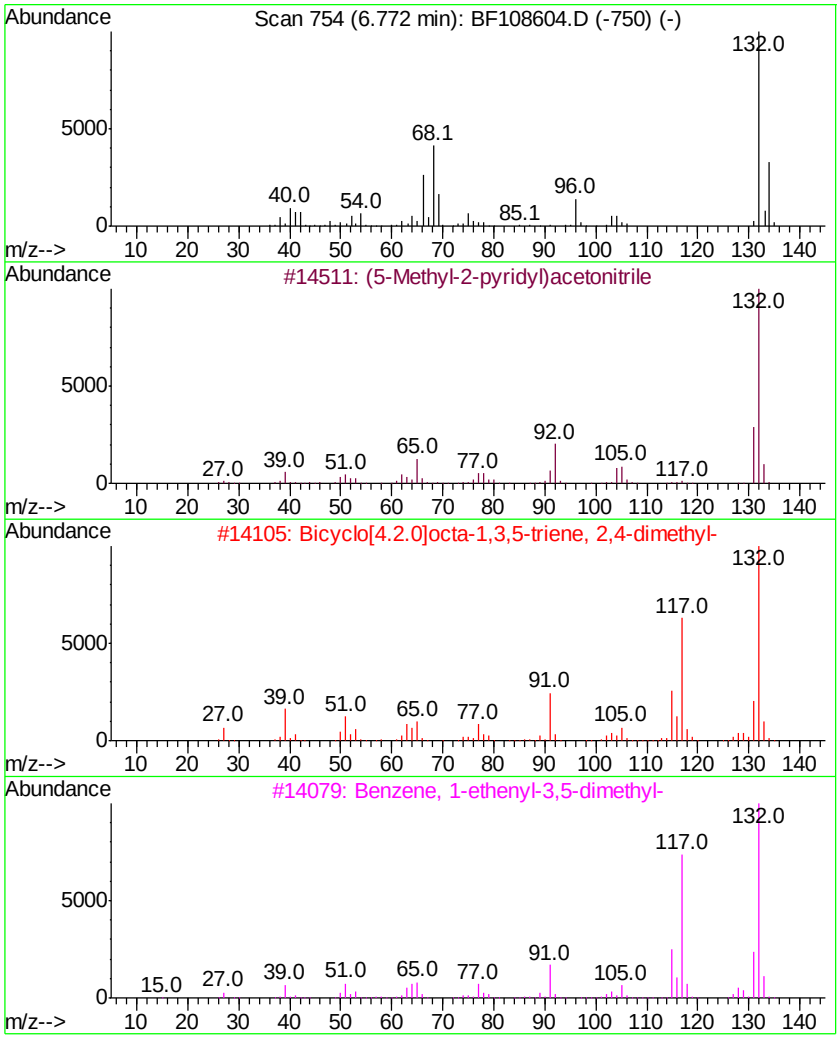
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

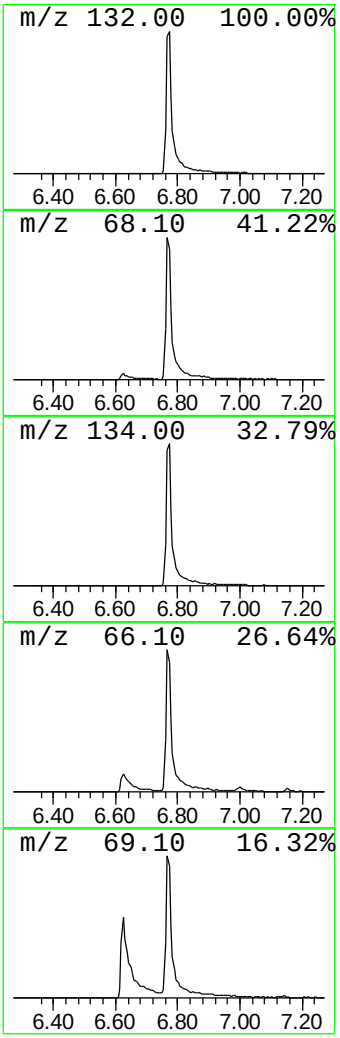
****

Peak Number 1 unknown6.77 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	25.42 ng	997644	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

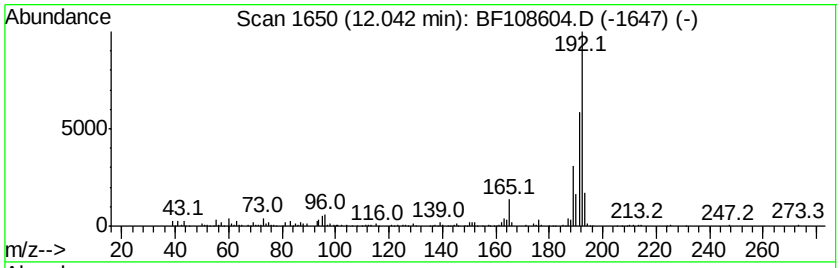
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

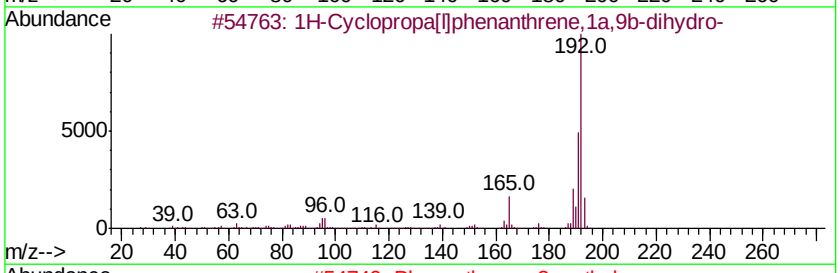
****

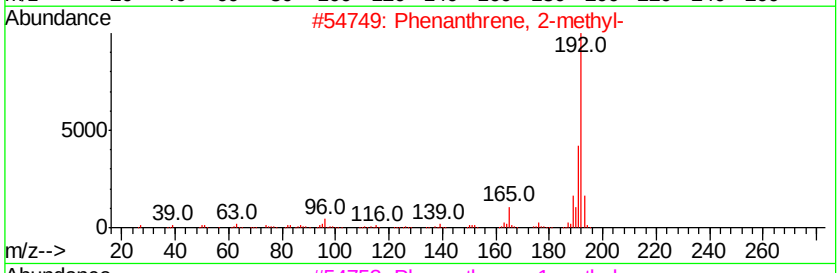
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

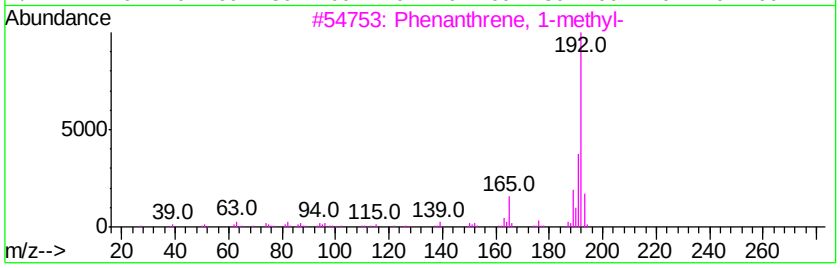
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.64 ng	258942	Phenanthrene-d10	11.54

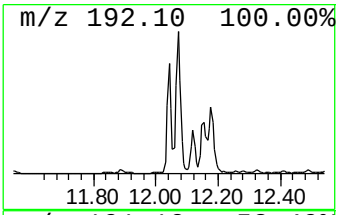
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94

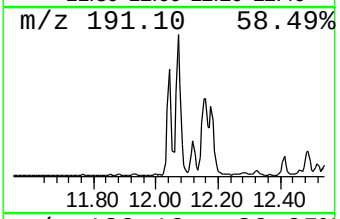


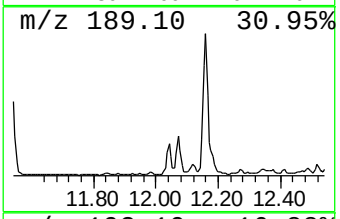


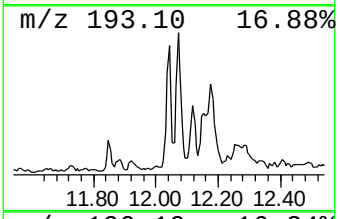


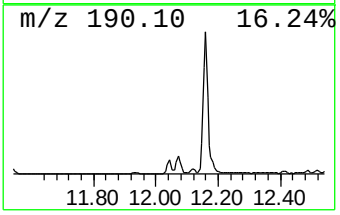












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

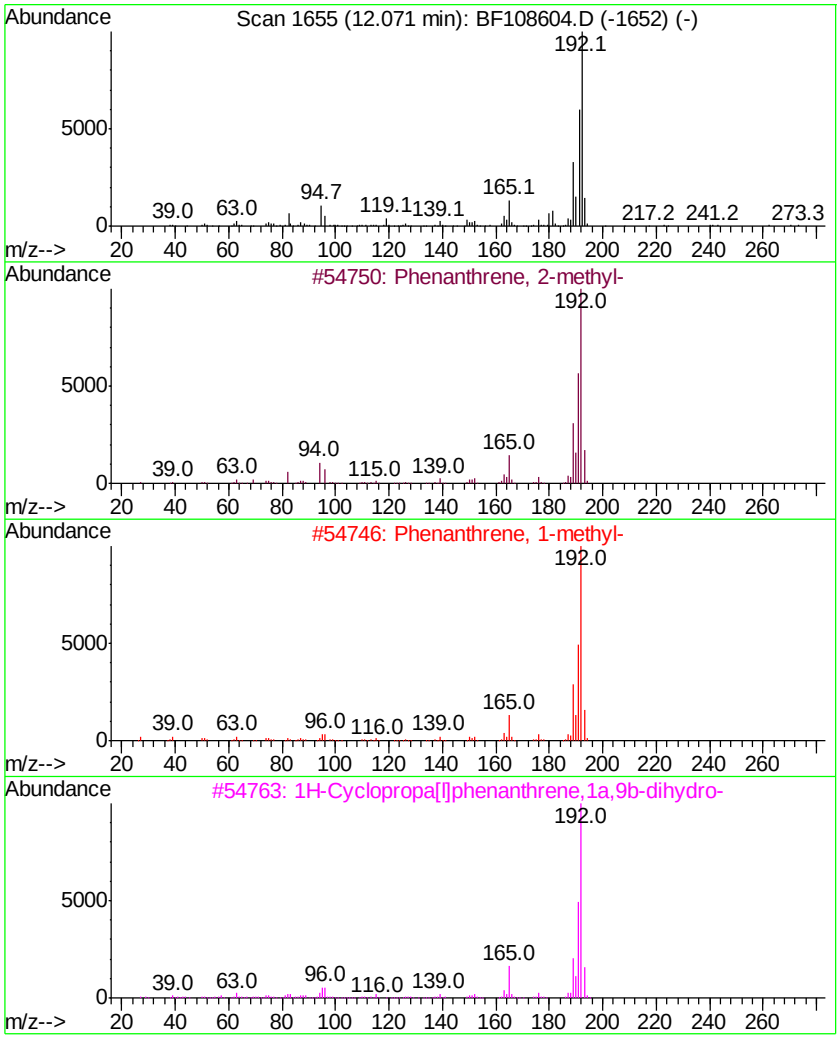
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

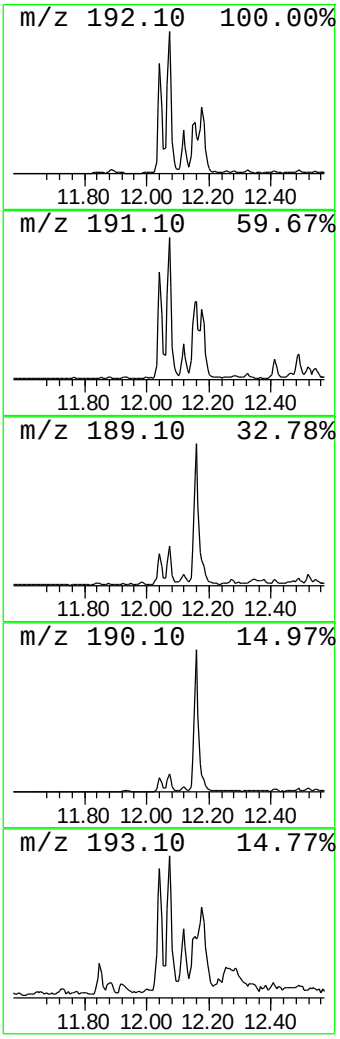
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	6.42 ng	358795	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

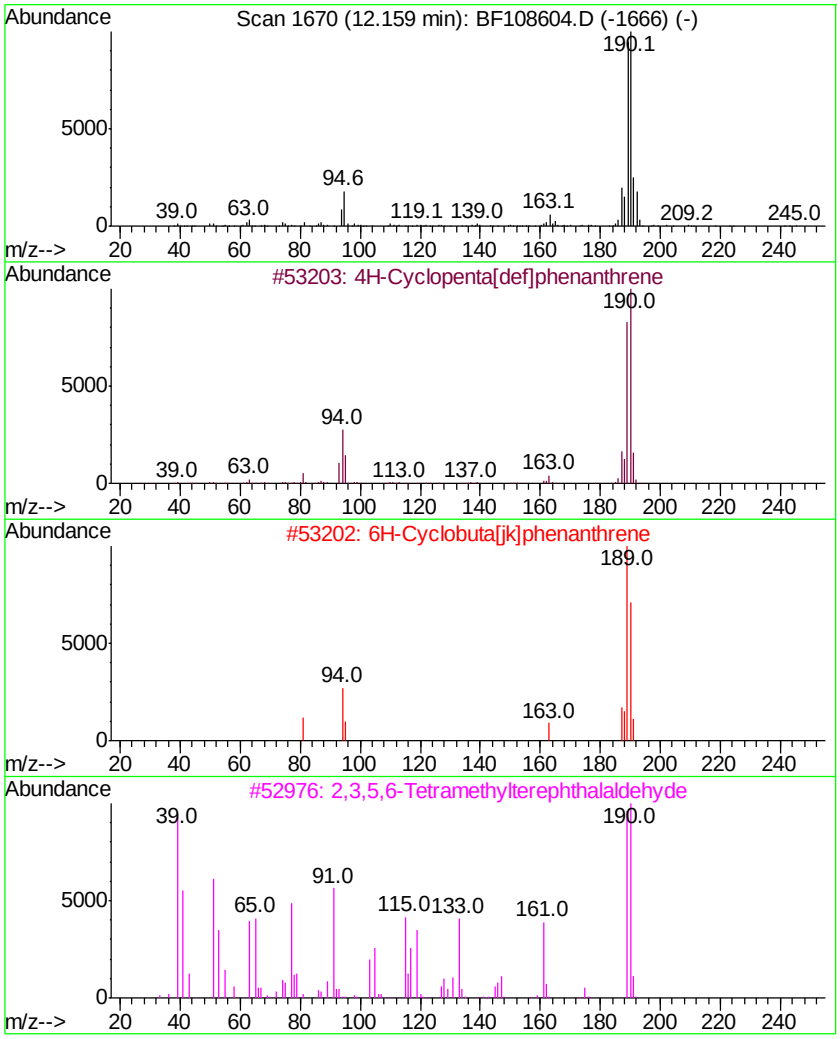
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

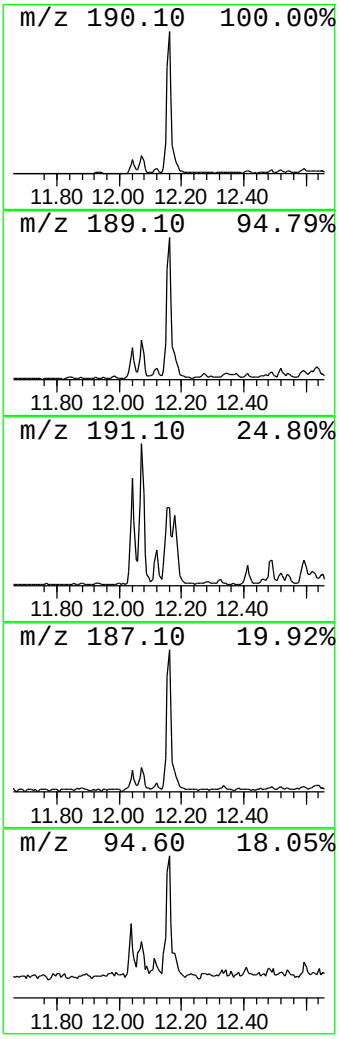
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	11.99 ng	669680	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





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Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
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Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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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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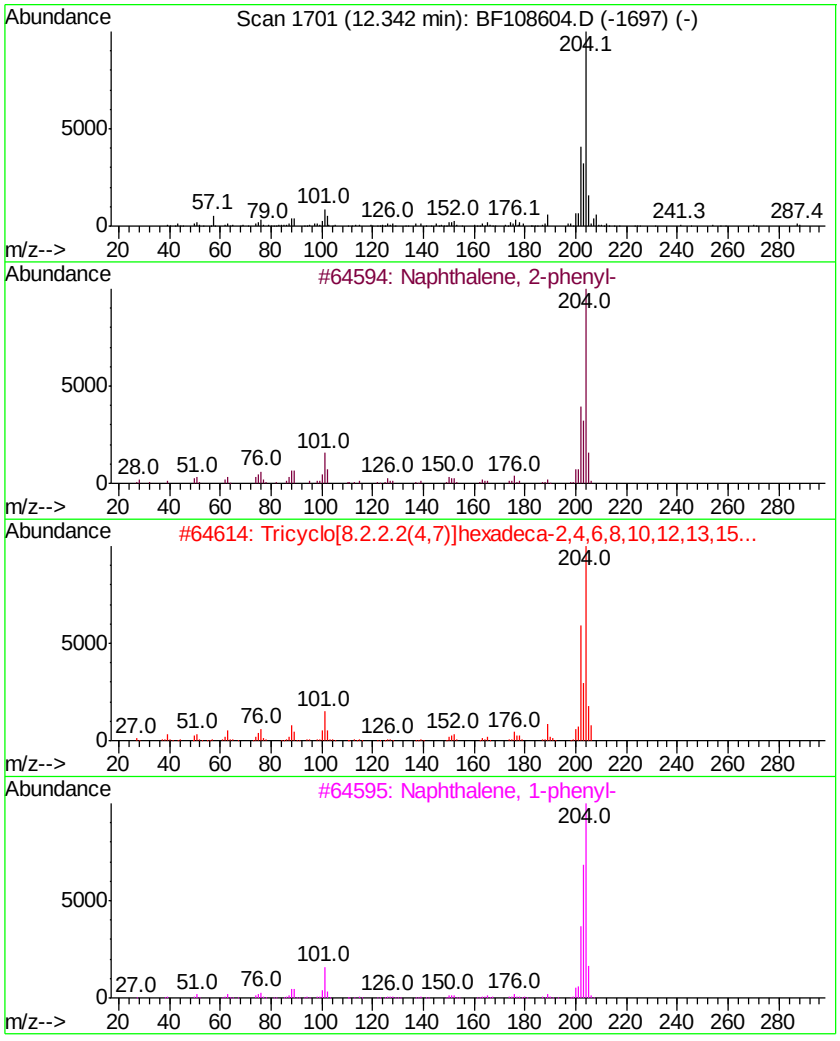
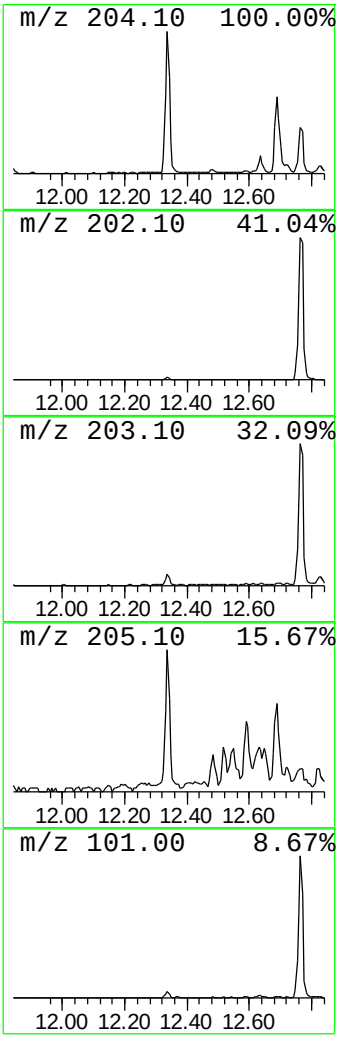
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.51 ng	195789	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





Library Search Compound Report

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Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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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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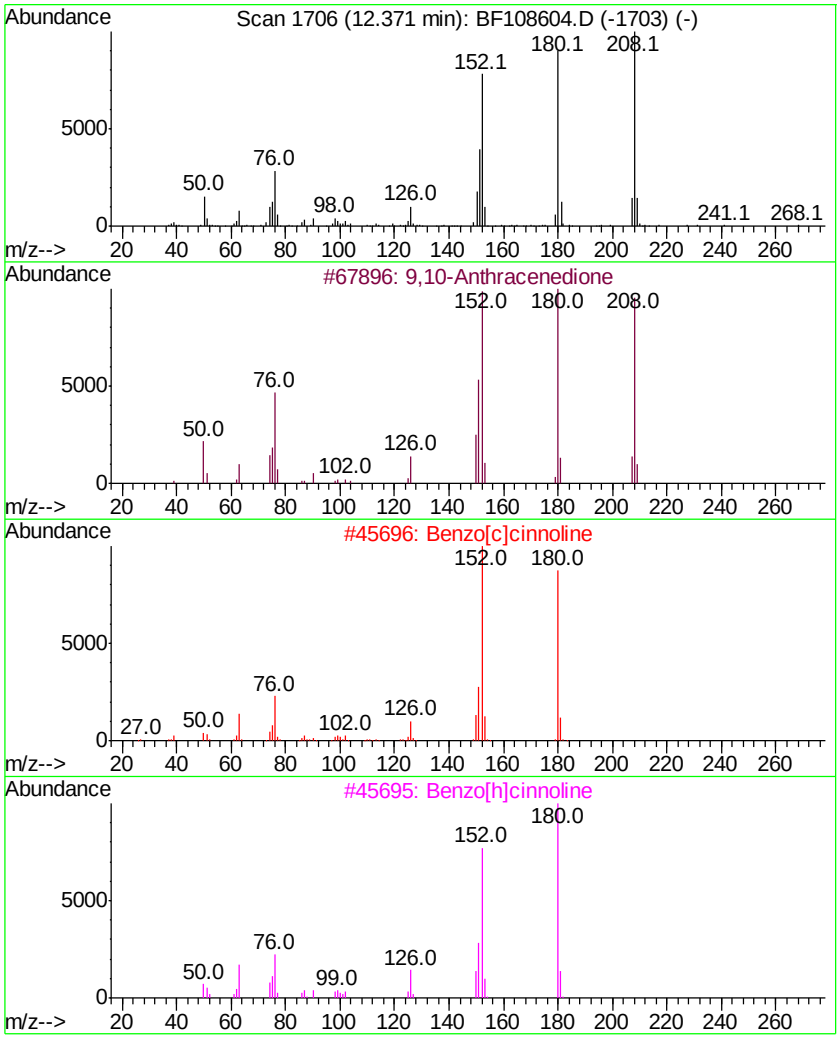
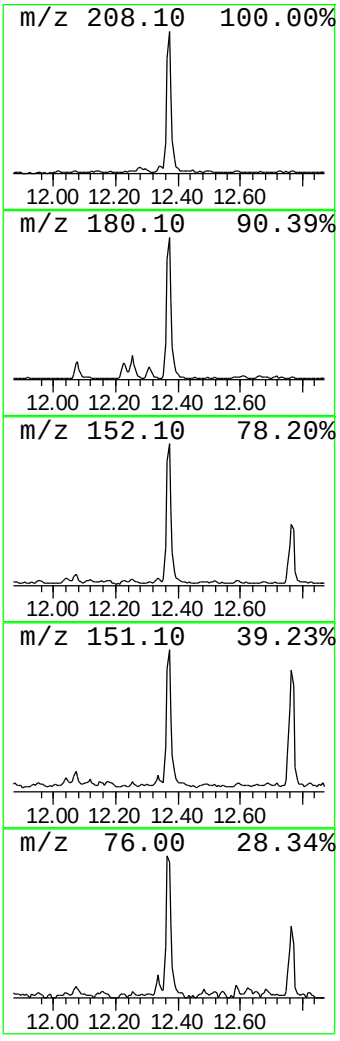
Peak Number 7 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	6.26 ng	349807	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52





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ClientSampleId : WASTE-CLASS-HOT-SPOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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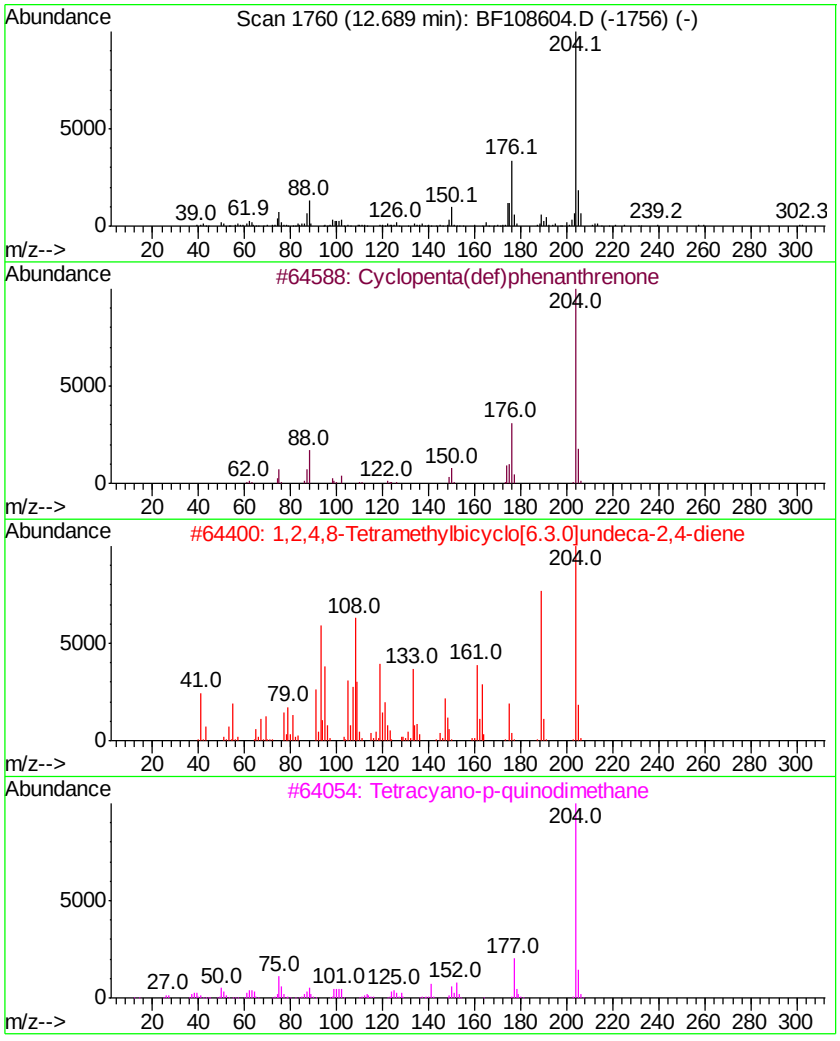
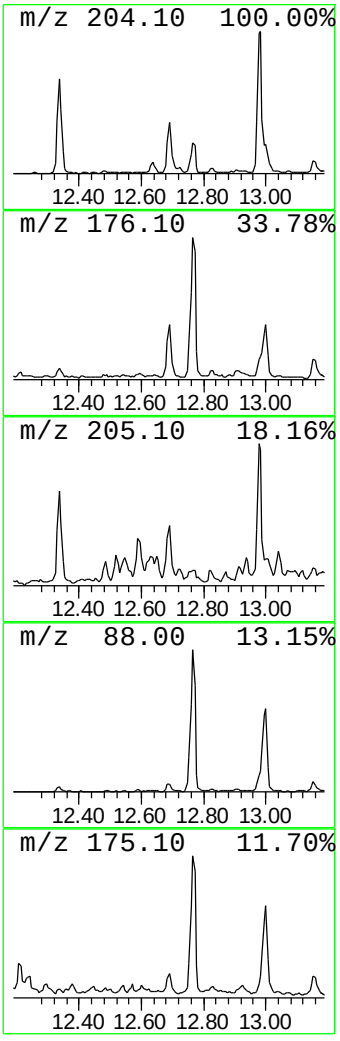
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	2.99 ng	167158	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
3	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	46
4	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	45
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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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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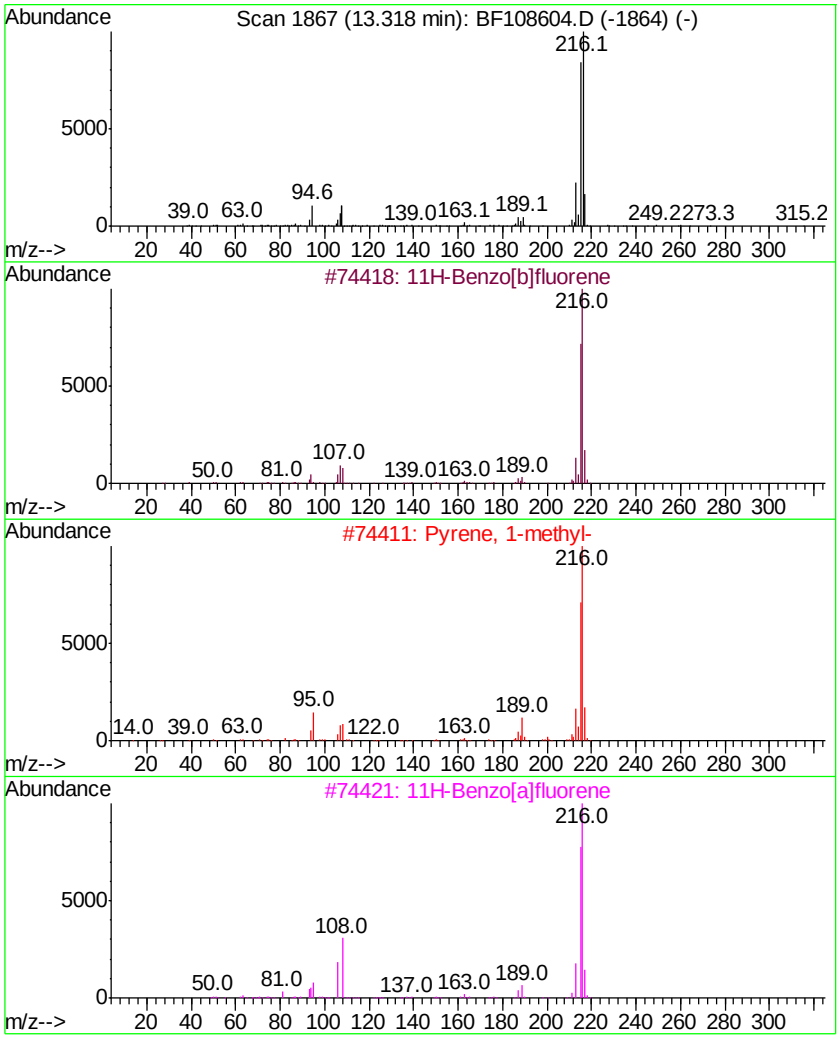
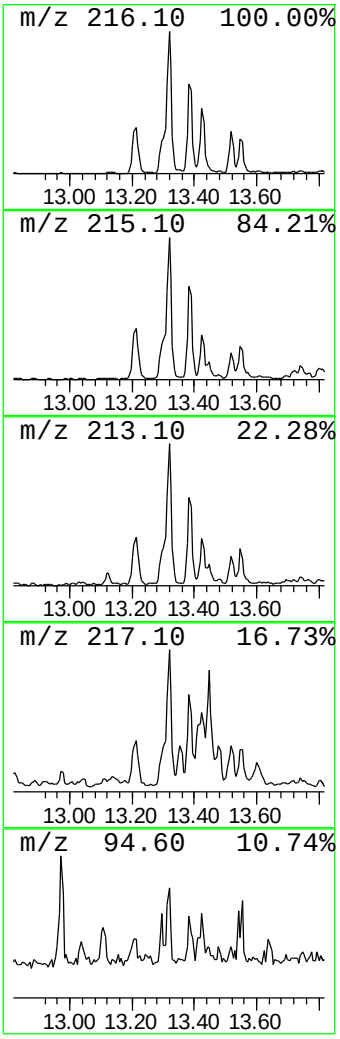
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	3.44 ng	489337	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





Library Search Compound Report

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Sample : J4661-02 2X
Misc :
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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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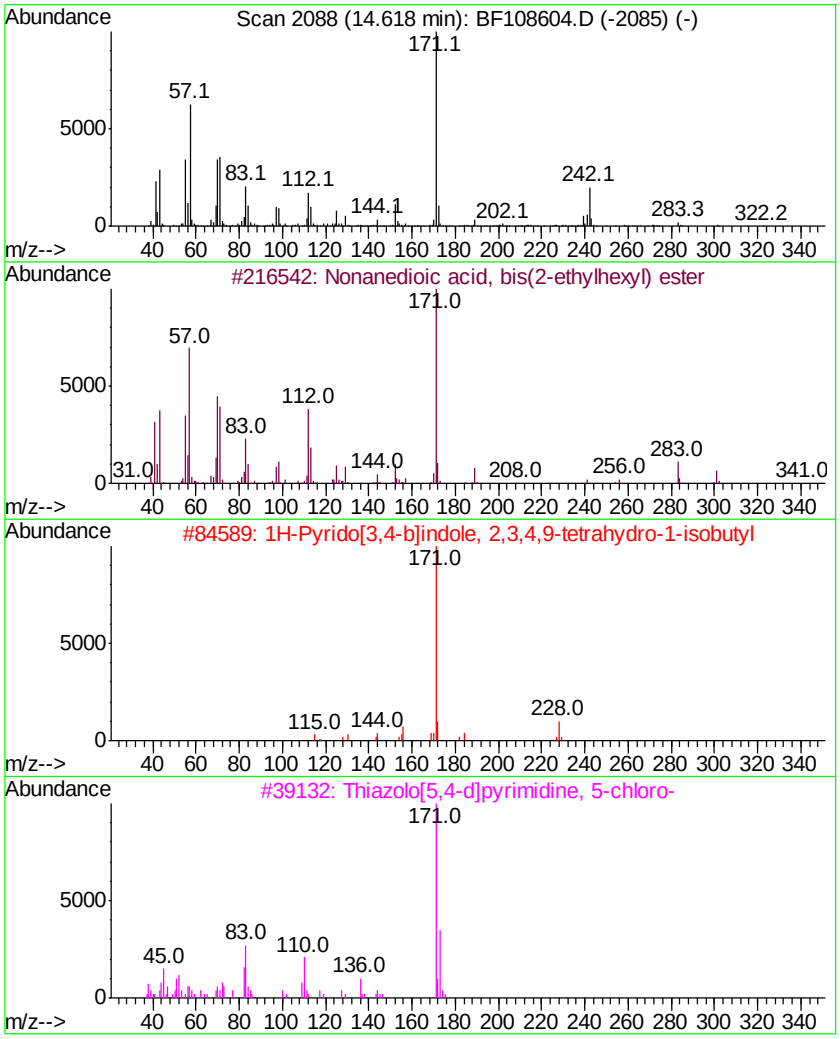
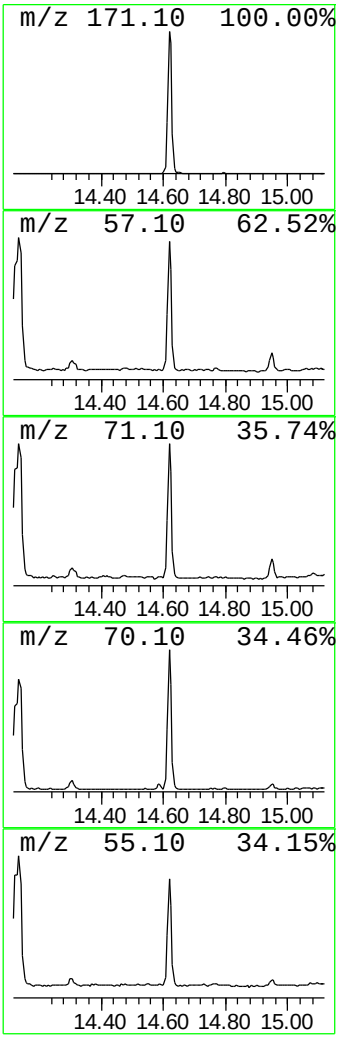
Peak Number 10 Nonanedioic acid, bis(2-eth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	7.52 ng	1068960	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanedioic acid, bis(2-ethylhex...	412	C25H48O4	000103-24-2	59
2	1H-Pyrido[3,4-b]indole, 2,3,4,9-...	228	C15H20N2	006649-77-0	45
3	Thiazolo[5,4-d]pyrimidine, 5-chl...	171	C5H2ClN3S	013316-08-0	43
4	1,3,5-Triazine-2,4(1H,3H)-dione,...	252	C12H20N4O2	051235-04-2	40
5	Malonic acid, 2,4-dimethylpent-3...	286	C16H30O4	1000349-01-3	38





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Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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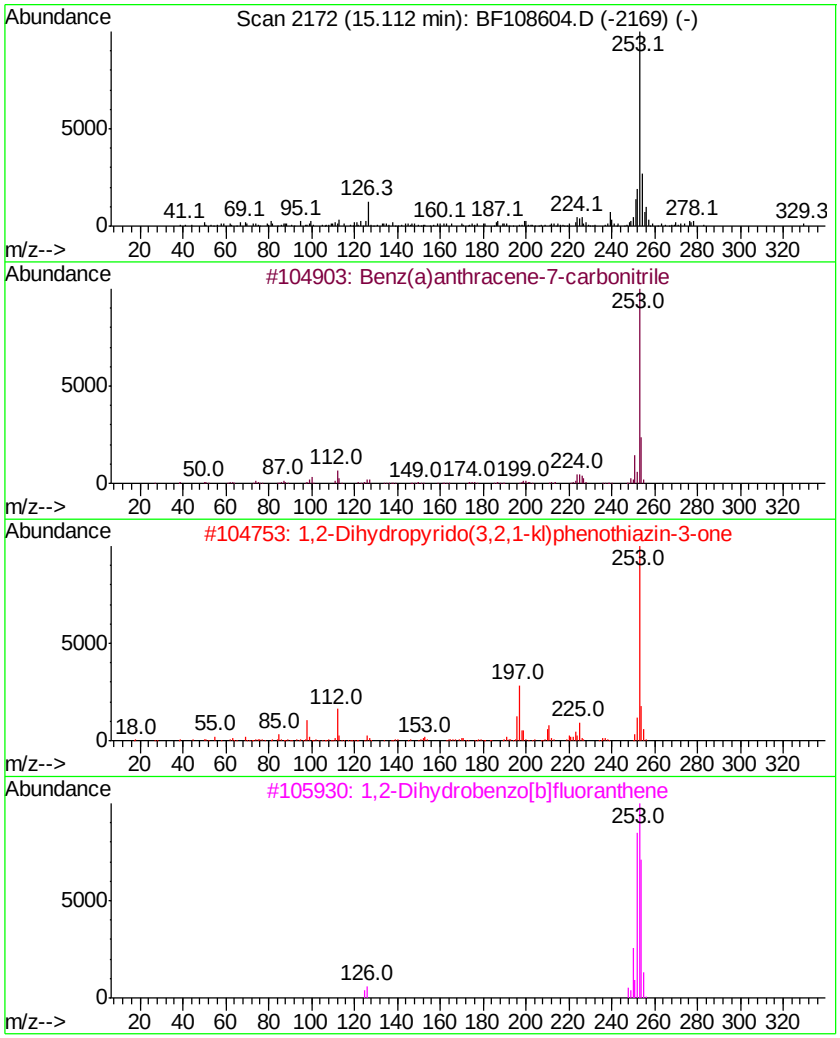
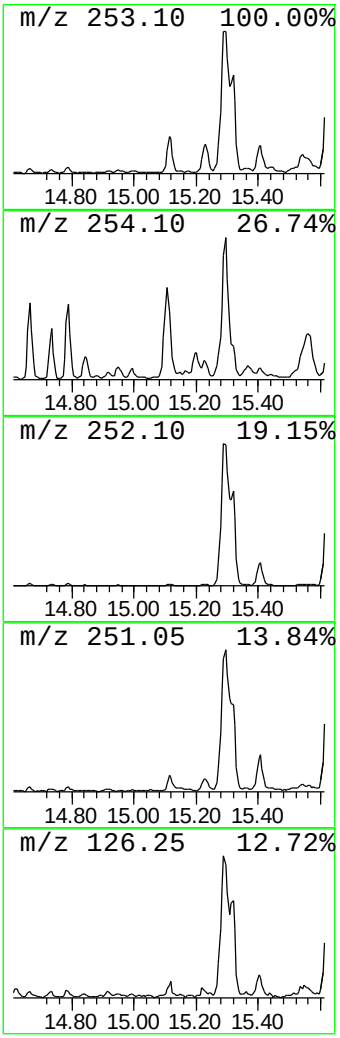
Peak Number 11 Benz(a)anthracene-7-carboni... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	3.29 ng	130666	Perylene-d12	15.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	53
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53
4	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	50
5	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43





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Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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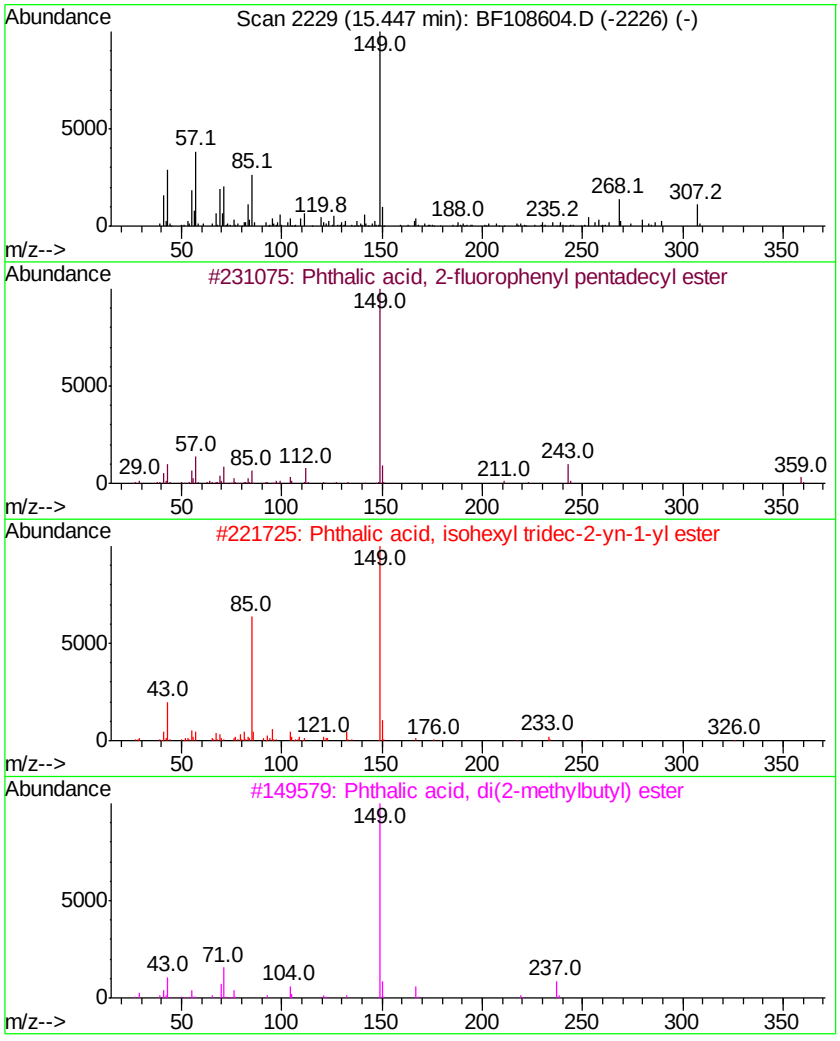
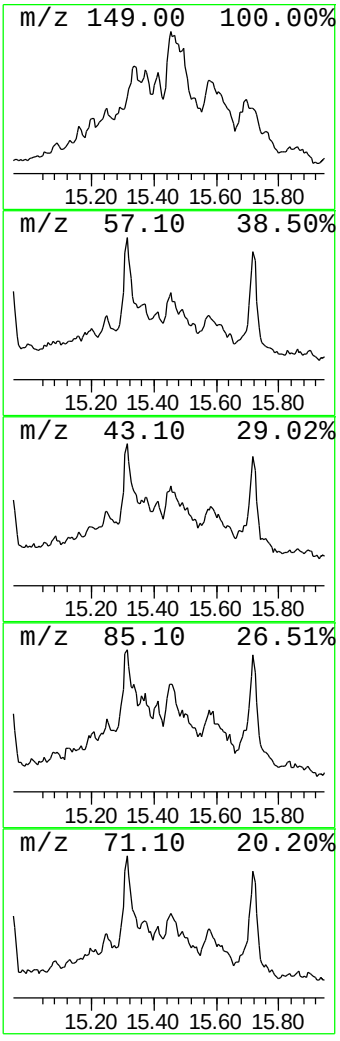
Peak Number 13 Phthalic acid, 2-fluorophen... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	4.12 ng	163964	Perylene-d12	15.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-fluorophenyl pe...	470	C29H39FO4	1000356-50-2	50
2	Phthalic acid, isohexyl tridec-2...	428	C27H40O4	1000315-44-4	47
3	Phthalic acid, di(2-methylbutyl)...	306	C18H26O4	1000322-82-5	47
4	Phthalic acid, decyl hex-3-yl ester	390	C24H38O4	1000356-96-1	43
5	1,2-Benzenedicarboxylic acid, bi...	446	C28H46O4	000089-16-7	43





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Misc :
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Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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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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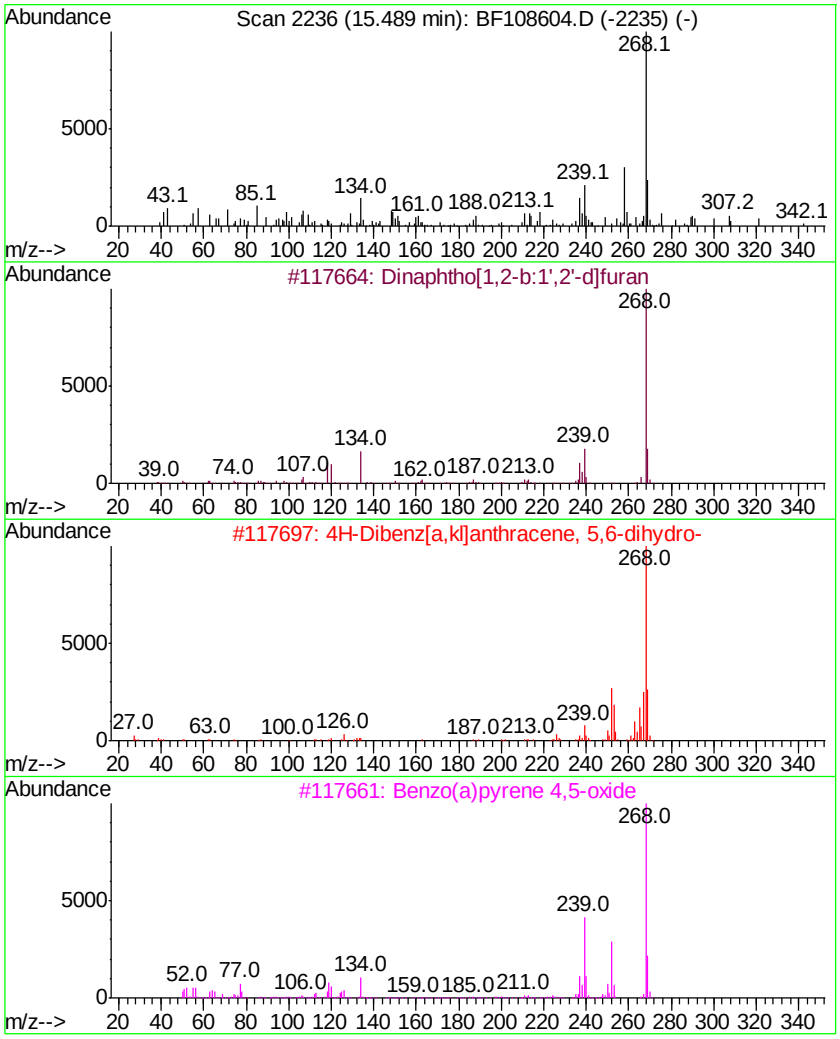
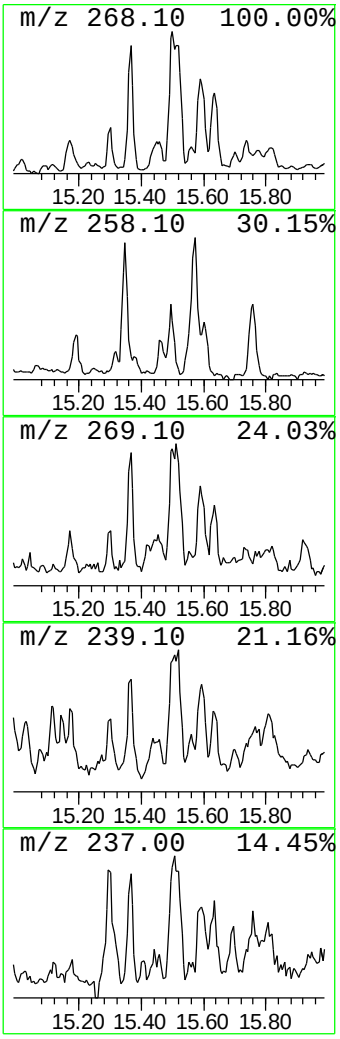
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	4.07 ng	161654	Perylene-d12	15.76

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	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	59
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	53
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	52





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Sample : J4661-02 2X
Misc :
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Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

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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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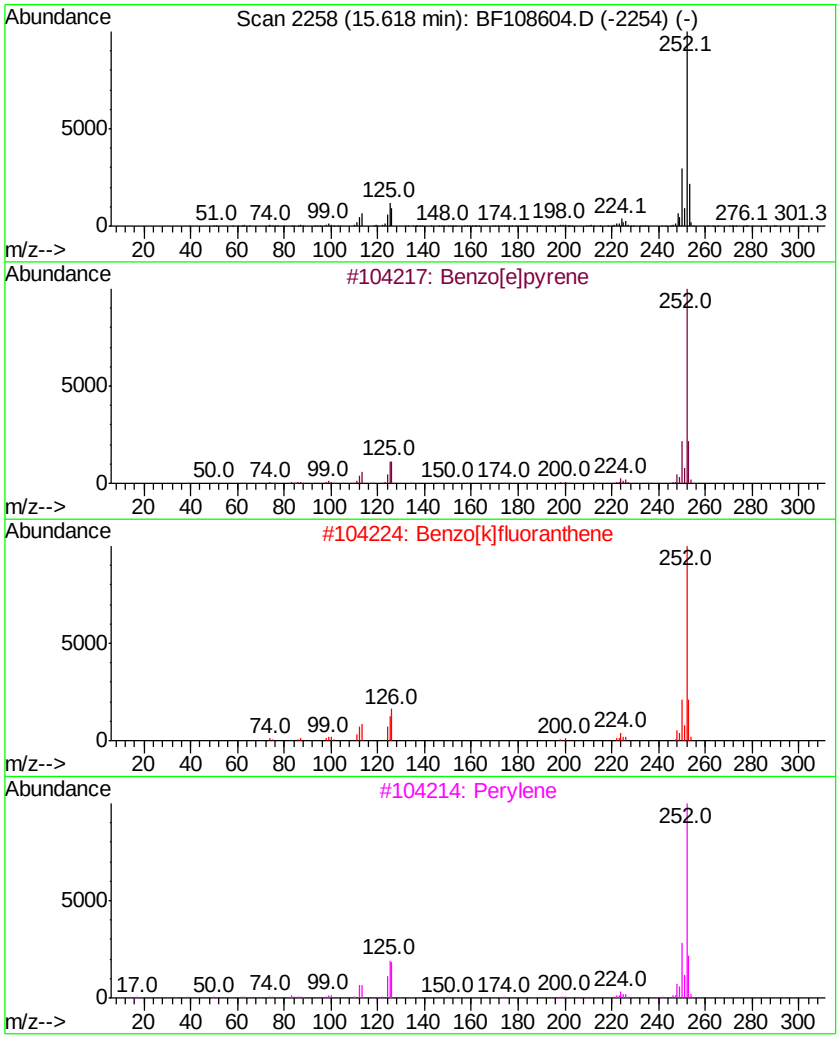
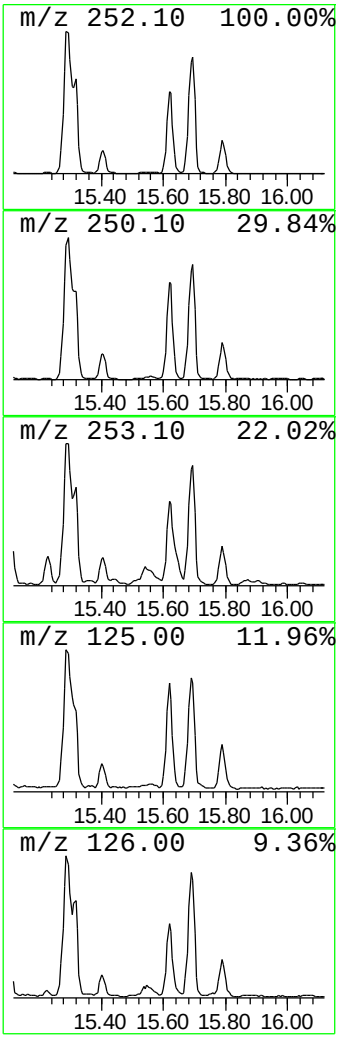
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	28.21 ng	1121790	Perylene-d12	15.76

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





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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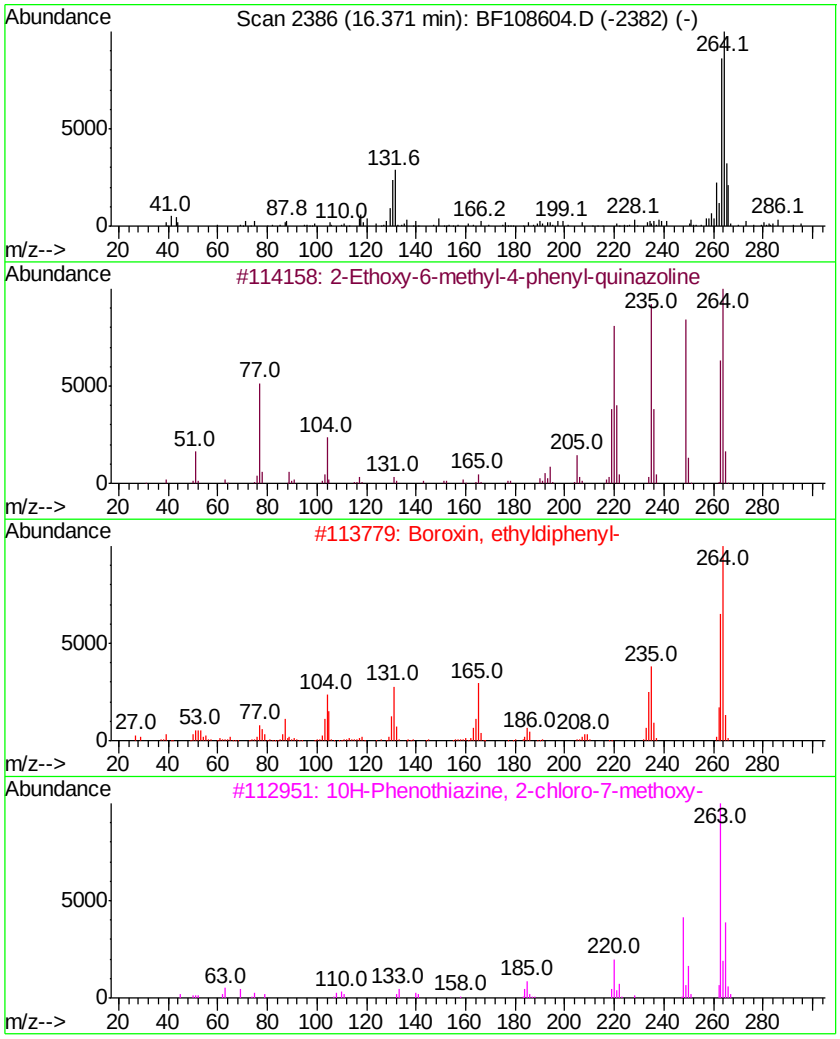
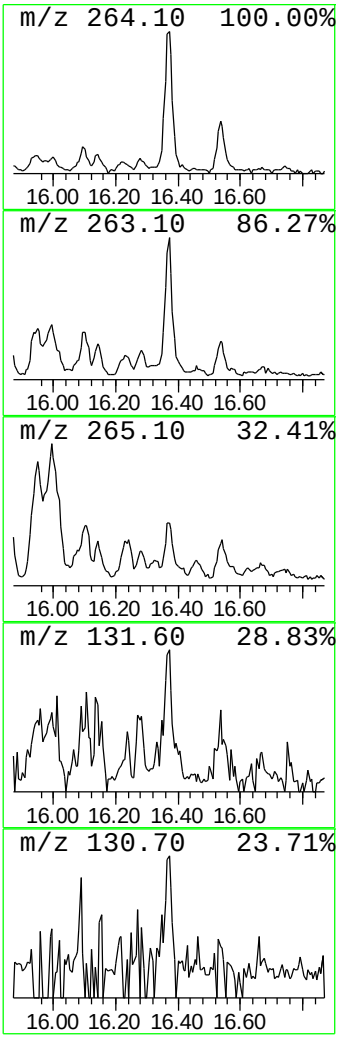
Peak Number 16 2-Ethoxy-6-methyl-4-phenyl-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	4.34 ng	172472	Perylene-d12	15.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	52
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	50
3	10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	35
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
5	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	27





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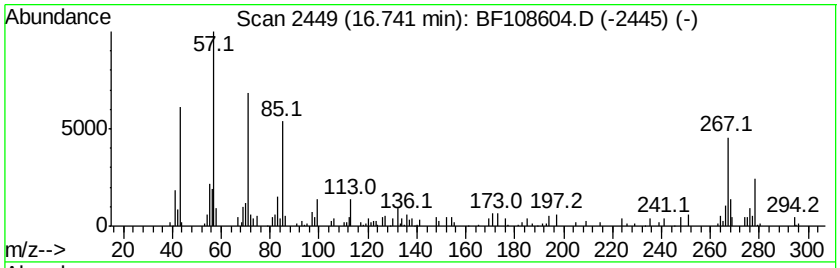
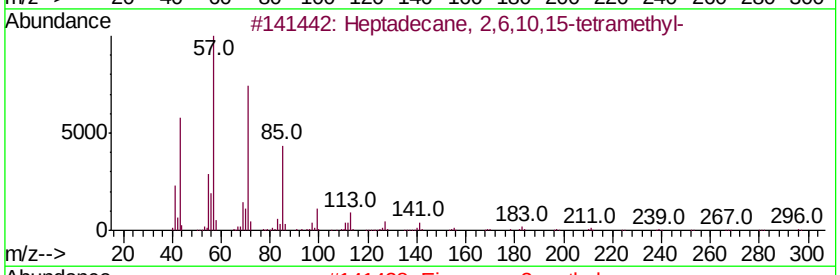
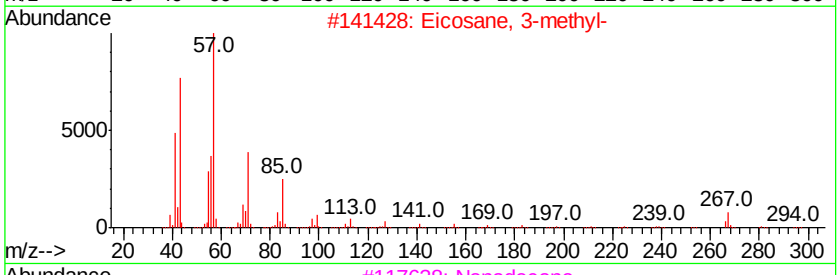
Peak Number 17 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

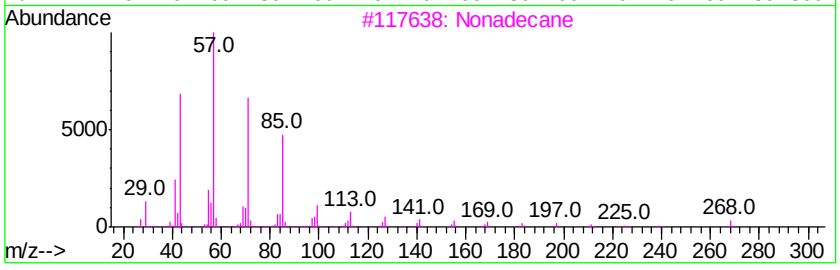
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.64 ng	184338	Perylene-d12	15.76

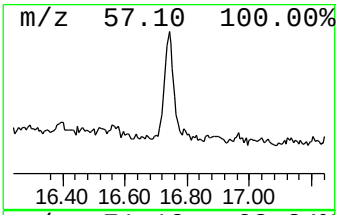
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
2	Eicosane, 3-methyl-	296	C21H44	006418-46-8	70
3	Nonadecane	268	C19H40	000629-92-5	41
4	Hexadecane	226	C16H34	000544-76-3	38
5	Octadecane	254	C18H38	000593-45-3	30

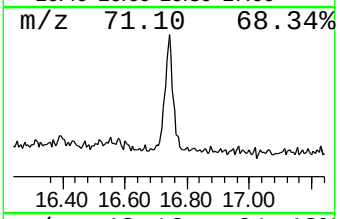


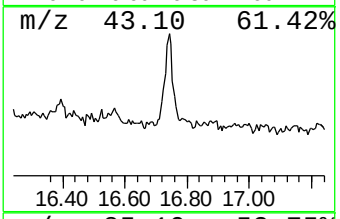


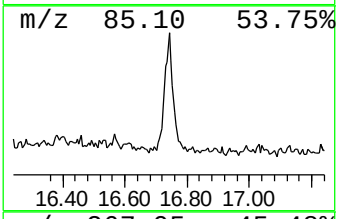


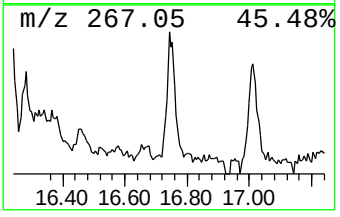












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

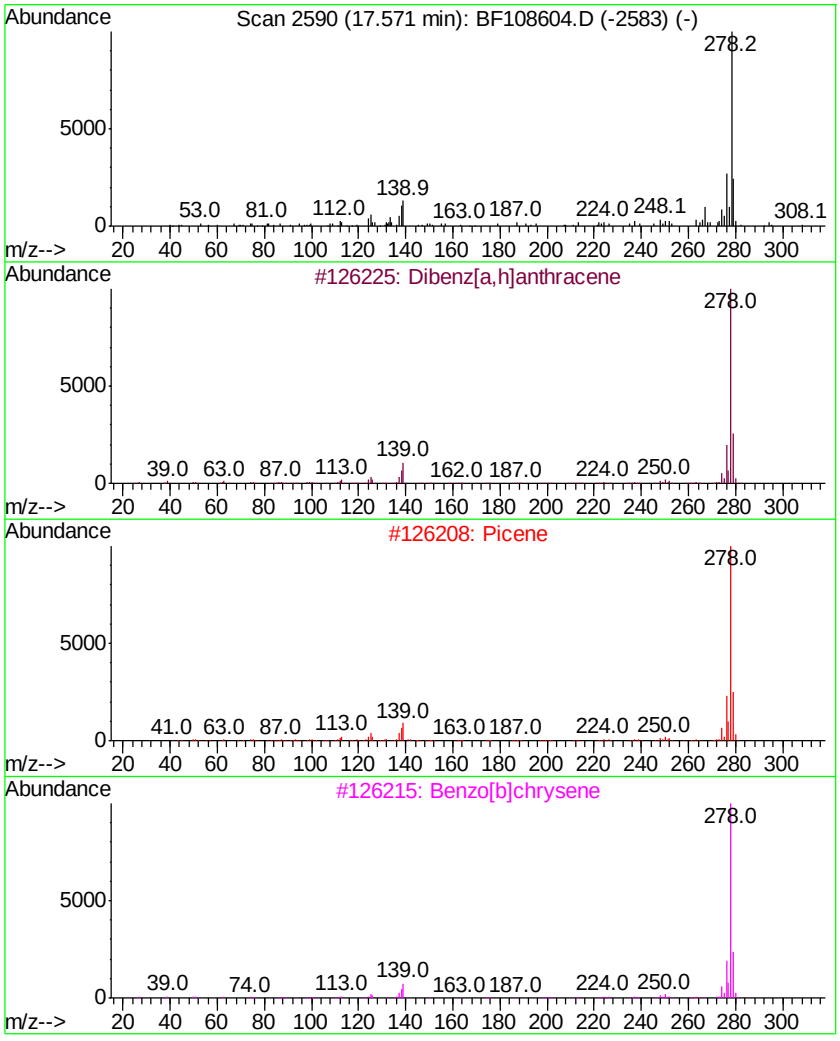
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

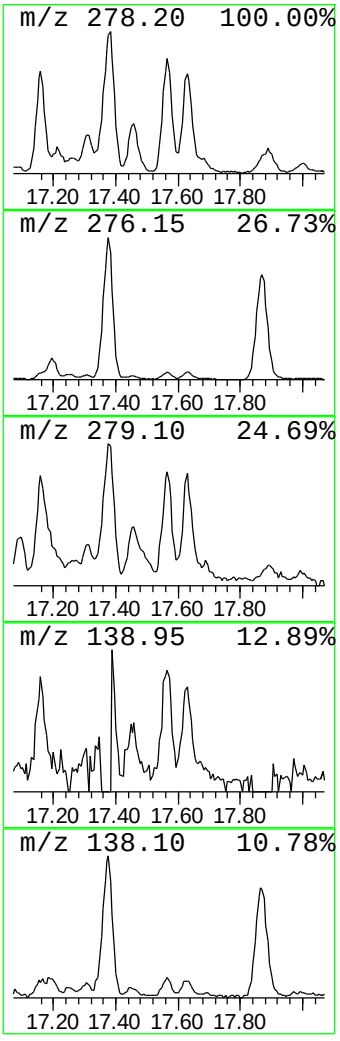
****

Peak Number 18 Dibenz[a,h]anthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	4.70 ng	186765	Perylene-d12	15.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
2	Picene	278	C22H14	000213-46-7	96
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	92
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

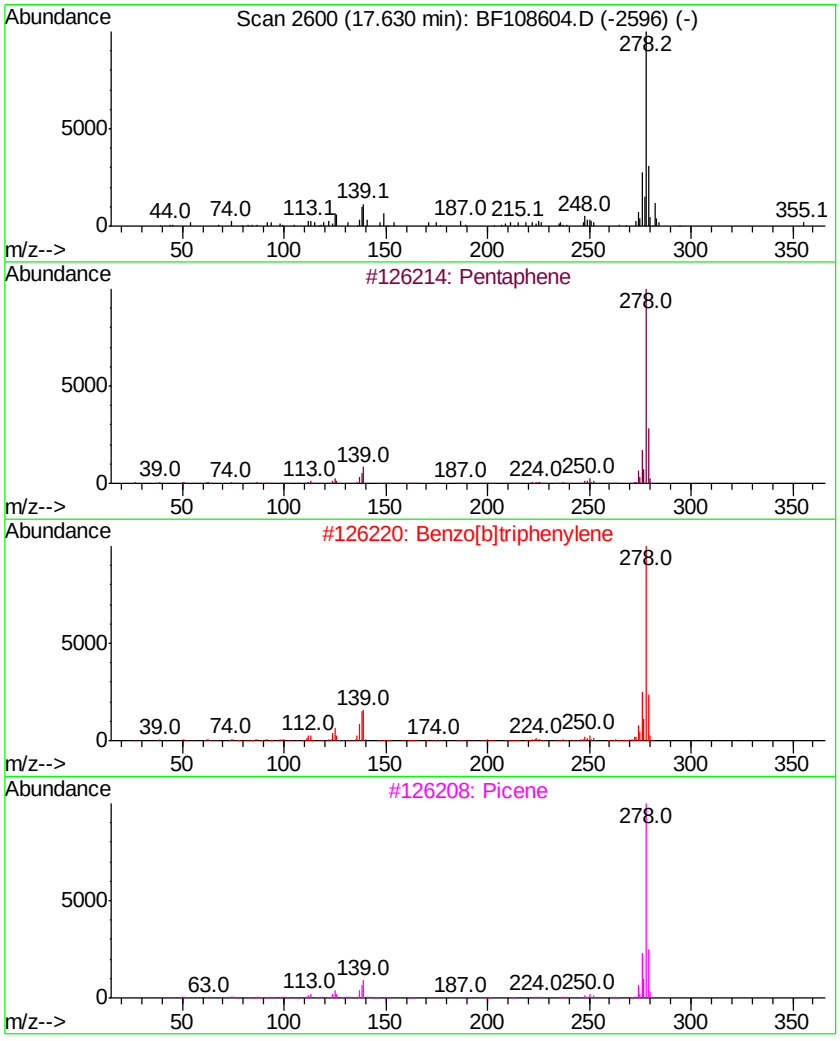
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

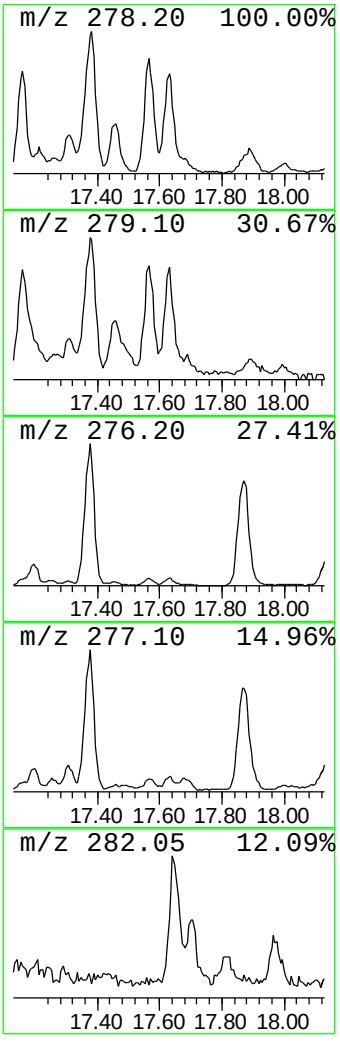
****

Peak Number 19 Pentaphene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.01 ng	119642	Perylene-d12	15.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	76
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
3	Picene	278	C22H14	000213-46-7	76
4	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	76
5	Pentacene	278	C22H14	000135-48-8	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082918\
Data File : BF108604.D
Acq On : 29 Aug 2018 15:05
Operator : JU/SJ
Sample : J4661-02 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE-CLASS-HOT-SPOT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
unknown6.77	6.77	25.4	ng	997644	1	7.00	785083	20.0
1H-Cyclopropa[l]p...	12.04	4.6	ng	258942	4	11.54	1116970	20.0
Phenanthrene, 2-m...	12.07	6.4	ng	358795	4	11.54	1116970	20.0
4H-Cyclopenta[def...	12.16	12.0	ng	669680	4	11.54	1116970	20.0
Naphthalene, 2-ph...	12.34	3.5	ng	195789	4	11.54	1116970	20.0
9,10-Anthracenedione	12.37	6.3	ng	349807	4	11.54	1116970	20.0
Cyclopenta(def)ph...	12.69	3.0	ng	167158	4	11.54	1116970	20.0
11H-Benzo[b]fluorene	13.32	3.4	ng	489337	5	14.20	2842820	20.0
Nonanedioic acid,...	14.62	7.5	ng	1068960	5	14.20	2842820	20.0
Benz(a)anthracene...	15.11	3.3	ng	130666	6	15.76	795240	20.0
Phthalic acid, 2-...	15.45	4.1	ng	163964	6	15.76	795240	20.0
Dinaphtho[1,2-b:1...	15.49	4.1	ng	161654	6	15.76	795240	20.0
Benzo[e]pyrene	15.62	28.2	ng	1121790	6	15.76	795240	20.0
2-Ethoxy-6-methyl...	16.37	4.3	ng	172472	6	15.76	795240	20.0
Heptadecane, 2,6,...	16.74	4.6	ng	184338	6	15.76	795240	20.0
Dibenz[a,h]anthra...	17.57	4.7	ng	186765	6	15.76	795240	20.0
Pentaphene	17.63	3.0	ng	119642	6	15.76	795240	20.0