LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

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-BF031518.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	2.316	33	39	47	rVB	128884	170595	4.04%	0.235%
2	5.222	529	533	544	rVB	154121	202747	4.80%	0.279%
3	5.604	592	598	601	rBV	3472684	3764409	89.16%	5.184%
4	6.598	761	767	770	rBV	3132363	3858831	91.40%	5.314%
5	6.745	787	792	795	rBV	3890272	3904481	92.48%	5.377%
6	6.975	827	831	836	rBV	1088870	945809	22.40%	1.302%
7	7.134	853	858	861	rBV	3080119	3052586	72.30%	4.203%
8	7.539	921	927	930	rBV	2386953	2526855	59.85%	3.480%
9	8.257	1044	1049	1051	rBV	1377436	1344820	31.85%	1.852%
10	8.275	1051	1052	1055	rVB	504417	298800	7.08%	0.411%
11	8.963	1166	1169	1174	rBV	287973	264215	6.26%	0.364%
12	9.063	1181	1186	1193	rBV	259455	276792	6.56%	0.381%
13	9.328	1226	1231	1235	rBV	4188566	4221999	100.00%	5.814%
14	9.598	1271	1277	1280	rBV	132036	174977	4.14%	0.241%
15	9.669	1285	1289	1291	rBV	219785	215820	5.11%	0.297%
16	9.716	1295	1297	1305	rVB2	424626	452170	10.71%	0.623%
17	9.786	1305	1309	1311	rBV	112090	117094	2.77%	0.161%
18	9.875	1320	1324	1329	rVV	602962	514450	12.18%	0.708%
19	9.928	1329	1333	1336	rVB	139236	107032	2.54%	0.147%
20	10.016	1341	1348	1351	rBV2	1594093	1622639	38.43%	2.234%
21	10.045	1351	1353	1356	rVB	280823	208274	4.93%	0.287%
22	10.216	1375	1382	1385	rVB2	179209	221173	5.24%	0.305%
23	10.322	1397	1400	1403	rBV2	110714	138350	3.28%	0.191%
24	10.427	1415	1418	1422	rVB2	197960	202108	4.79%	0.278%
25	10.563	1438	1441	1447	rVB	430912	420410	9.96%	0.579%
26	10.716	1462	1467	1471	rBV3	96723	112306	2.66%	0.155%
27	10.810	1474	1483	1486	rBV	2691468	2749408	65.12%	3.786%
28	10.904	1496	1499	1501	rBV	178175	194002	4.60%	0.267%
29	11.110	1529	1534	1537	rBV2	180797	241690	5.72%	0.333%
30	11.139	1537	1539	1542	rVV2	112226	109160	2.59%	0.150%
31	11.275	1557	1562	1565	rVV3	136912	202502	4.80%	0.279%
32	11.310	1565	1568	1572	rVV2	128635	134148	3.18%	0.185%
33	11.351	1572	1575	1578	rVV	196802	178311	4.22%	0.246%
34	11.404	1581	1584	1588	rVB	319623	290219	6.87%	0.400%

LSC Area Percent Report

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Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.510	1598	1602	1604	rBV	1471618	1420825	33.65%	1.957%
36	11.533	1604	1606	1609	rVV	2509813	2050362	48.56%	2.823%
37	11.580	1611	1614	1617	rVV	780830	739975	17.53%	1.019%
38	11.616	1617	1620	1622	rVV2	110241	132694	3.14%	0.183%
39	11.733	1637	1640	1645	rVV3	137851	174039	4.12%	0.240%
40	11.798	1649	1651	1654	rVV	125432	114553	2.71%	0.158%
41	11.839	1655	1658	1662	rVB	232797	214073	5.07%	0.295%
42	11.922	1669	1672	1676	rVB	143701	151579	3.59%	0.209%
43	12.010	1684	1687	1690	rVV	592892	646060	15.30%	0.890%
44	12.039	1690	1692	1695	rVB	732702	547374	12.96%	0.754%
45	12.086	1697	1700	1703	rBV	276088	247738	5.87%	0.341%
46	12.121	1703	1706	1709	rVV2	836143	1052505	24.93%	1.449%
47	12.145	1709	1710	1715	rVB	430606	243732	5.77%	0.336%
48	12.304	1734	1737	1739	rBV2	370862	311746	7.38%	0.429%
49	12.333	1739	1742	1748	rVB2	188743	234990	5.57%	0.324%
50	12.410	1748	1755	1757	rBV3	70019	128954	3.05%	0.178%
51	12.510	1770	1772	1774	rVB2	144056	108629	2.57%	0.150%
52	12.563	1777	1781	1784	rBV	361814	465029	11.01%	0.640%
53	12.598	1784	1787	1789	rVV2	198869	230196	5.45%	0.317%
54	12.651	1793	1796	1800	rBV2	225831	314997	7.46%	0.434%
55	12.733	1805	1810	1813	rBV	2880714	2879751	68.21%	3.965%
56	12.821	1822	1825	1828	rBV	337986	262314	6.21%	0.361%
57	12.880	1832	1835	1837	rBV	193897	178164	4.22%	0.245%
58	12.963	1842	1849	1853	rBV2	2768918	3267789	77.40%	4.500%
59	13.004	1853	1856	1860	rVB2	183308	208574	4.94%	0.287%
60	13.098	1864	1872	1875	rBV	3309610	3531462	83.64%	4.863%
61	13.174	1880	1885	1889	rBV2	274066	463667	10.98%	0.638%
62	13.263	1896	1900	1901	rVV3	233068	271748	6.44%	0.374%
63	13.286	1901	1904	1907	rVB	658224	603323	14.29%	0.831%
64	13.351	1912	1915	1918	rVV	526810	462755	10.96%	0.637%
65	13.392	1918	1922	1925	rVV2	419695	473673	11.22%	0.652%
66	13.451	1929	1932	1935	rVV2	66921	107638	2.55%	0.148%
67	13.486	1935	1938	1940	rVV	266302	265102	6.28%	0.365%
68	13.516	1940	1943	1946	rVV	315832	313370	7.42%	0.432%
69	13.792	1988	1990	1995	rVB	182616	223774	5.30%	0.308%
70	13.910	2006	2010	2012	rBV	293790	302508	7.17%	0.417%
71	13.933	2012	2014	2016	rVV	301728	230163	5.45%	0.317%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.957	2016	2018	2019	rVV2	279062	229504	5.44%	0.316%
73	13.974	2019	2021	2024	rVV	353677	377077	8.93%	0.519%
74	14.004	2024	2026	2030	rVB	171406	158952	3.76%	0.219%
75	14.157	2047	2052	2056	rVV2	1769390	2855289	67.63%	3.932%
76	14.192	2056	2058	2065	rVB	1383053	1151928	27.28%	1.586%
77	14.268	2069	2071	2072	rVV	172145	134585	3.19%	0.185%
78	14.286	2072	2074	2076	rVV	284475	260795	6.18%	0.359%
79	14.310	2076	2078	2079	rVV	193831	199741	4.73%	0.275%
80	14.327	2079	2081	2083	rVV	375839	341712	8.09%	0.471%
81	14.351	2083	2085	2087	rVV	172942	155132	3.67%	0.214%
82	14.380	2087	2090	2094	rVV2	191493	260034	6.16%	0.358%
83	14.551	2114	2119	2122	rVV	365108	418865	9.92%	0.577%
84	14.586	2122	2125	2128	rVB	190744	161408	3.82%	0.222%
85	14.651	2134	2136	2138	rVB	152815	114138	2.70%	0.157%
86	14.680	2138	2141	2143	rVV	257965	222536	5.27%	0.306%
87	14.704	2143	2145	2149	rVB	238979	198350	4.70%	0.273%
88	14.751	2150	2153	2156	rVB3	115367	133183	3.15%	0.183%
89	15.251	2233	2238	2241	rBV	1004124	1698050	40.22%	2.338%
90	15.321	2247	2250	2253	rVB2	233216	246848	5.85%	0.340%
91	15.362	2253	2257	2261	rVB	287437	305812	7.24%	0.421%
92	15.574	2288	2293	2299	rVB	678600	958153	22.69%	1.319%
93	15.645	2299	2305	2310	rBV	1061756	1430495	33.88%	1.970%
94	15.710	2311	2316	2319	rVV	687912	1005843	23.82%	1.385%
95	15.739	2319	2321	2327	rVB2	308575	413719	9.80%	0.570%
96	16.168	2391	2394	2399	rVB3	125021	175752	4.16%	0.242%
97	16.304	2414	2417	2424	rVB2	107990	177961	4.22%	0.245%
98	17.286	2578	2584	2591	rBV2	434432	846787	20.06%	1.166%
99	17.774	2660	2667	2682	rVB	339020	783070	18.55%	1.078%
100	18.021	2704	2709	2716	rVB	87973	189732	4.49%	0.261%

Sum of corrected areas: 72620458

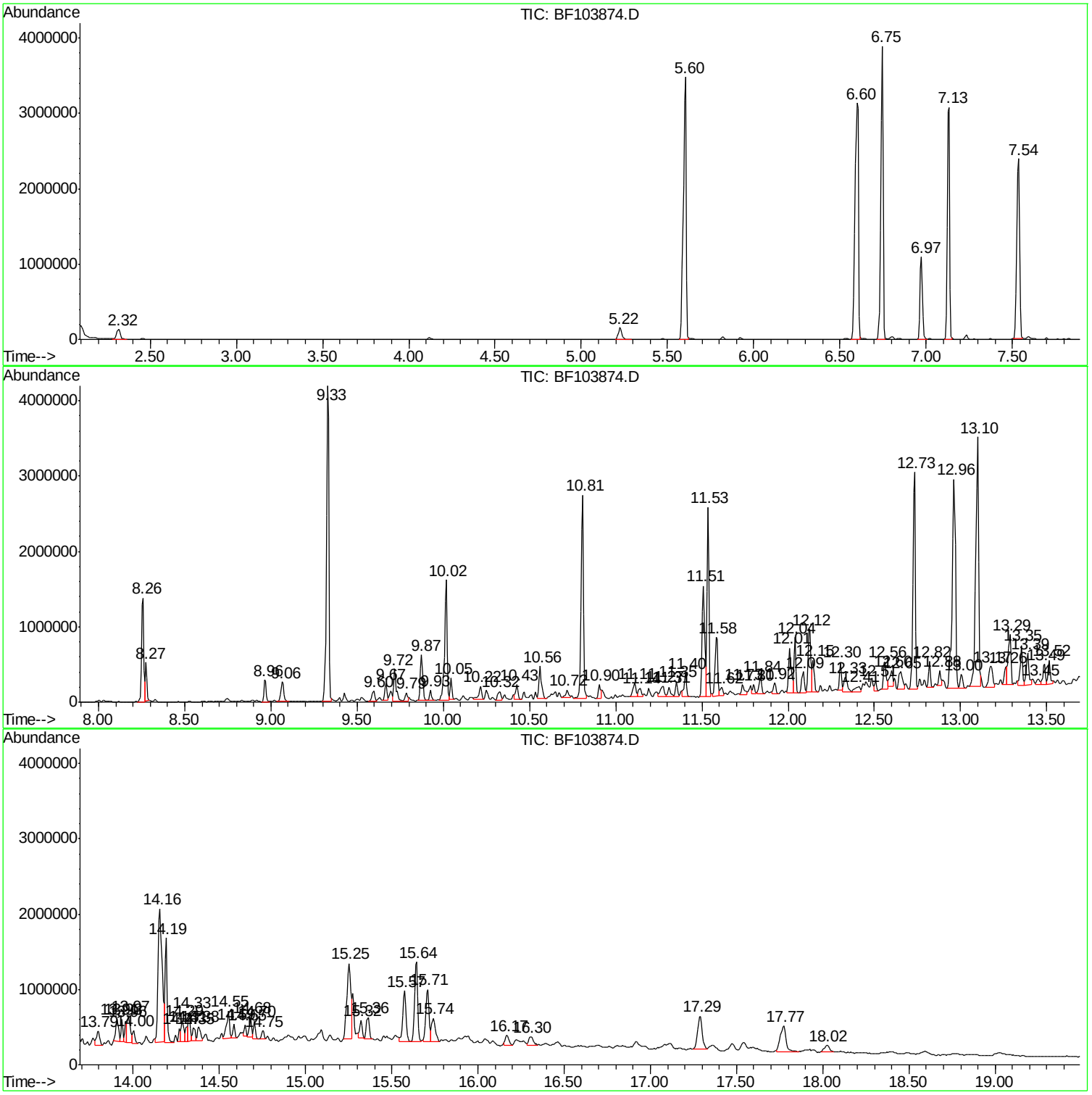
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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\BF032318\
Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

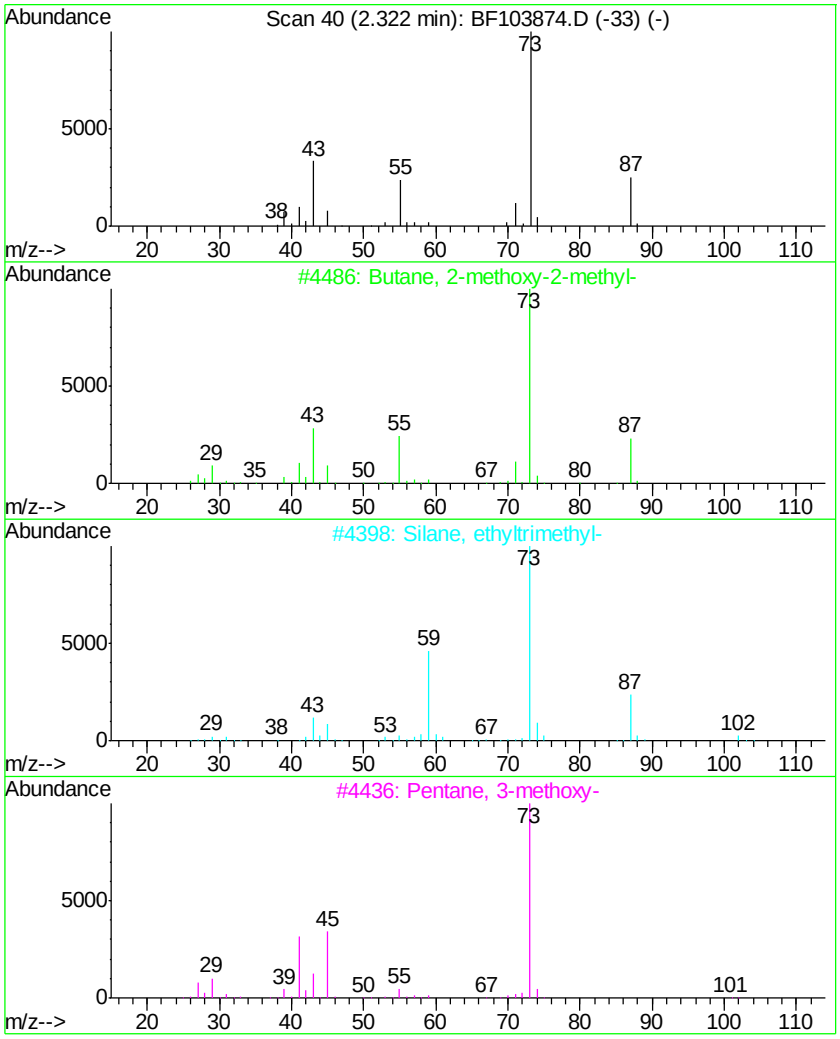
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

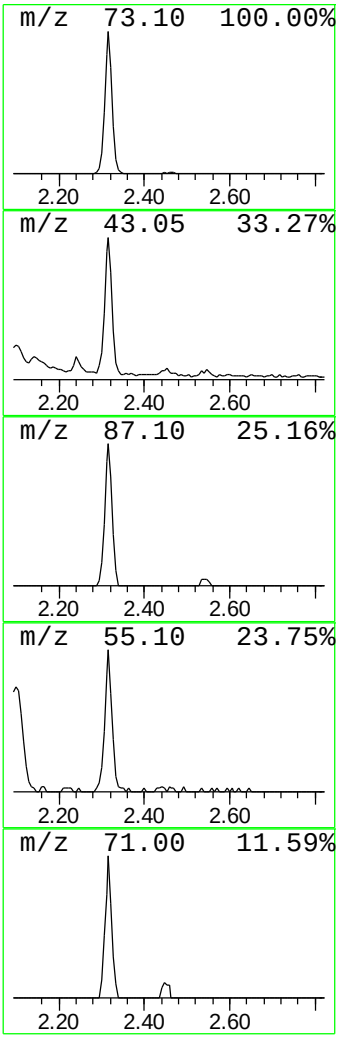
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	3.61 ng	170595	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

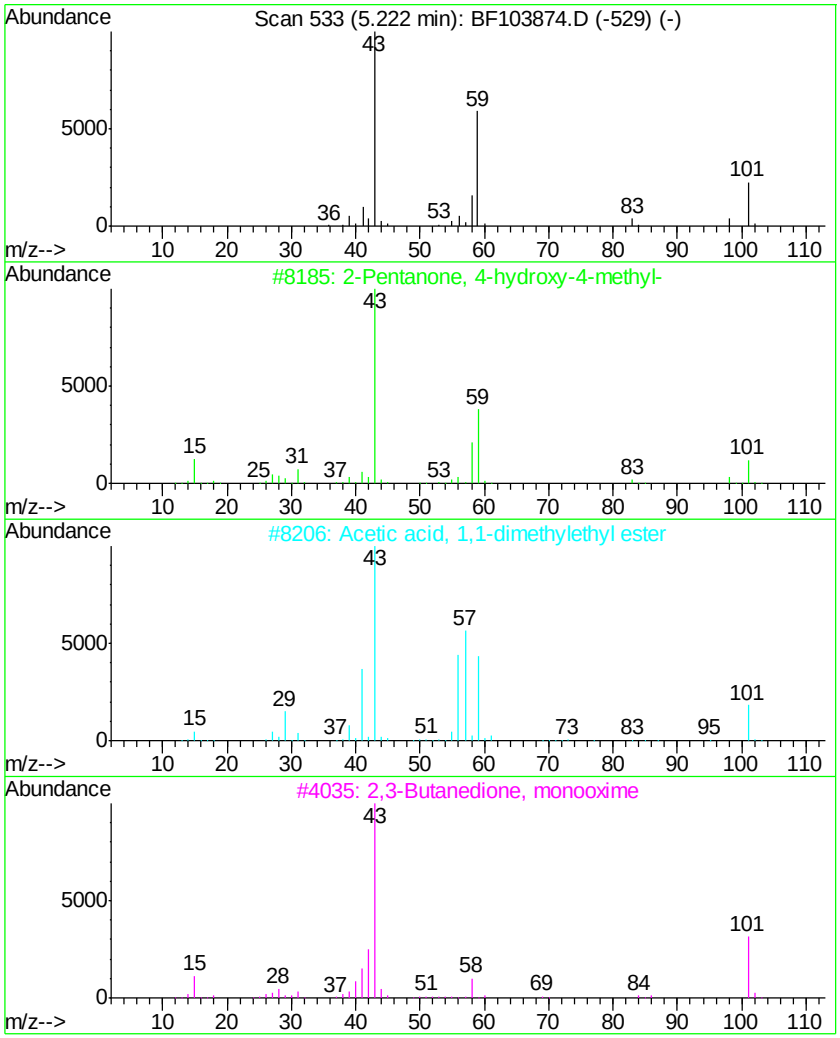
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

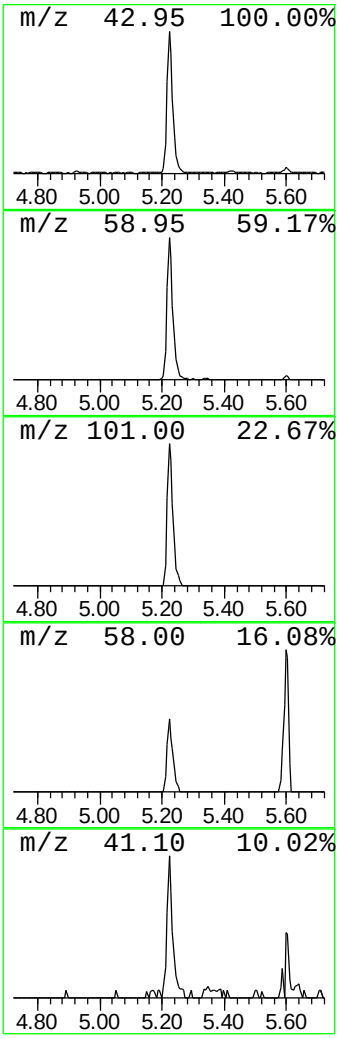
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	4.29 ng	202747	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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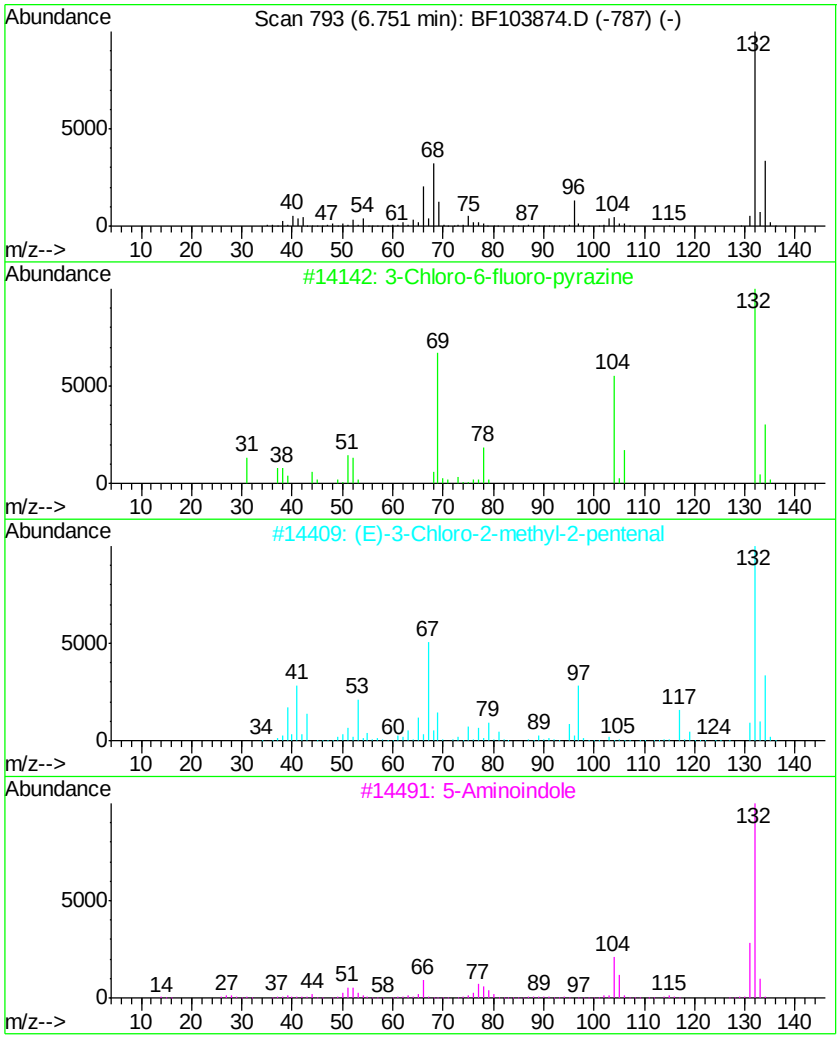
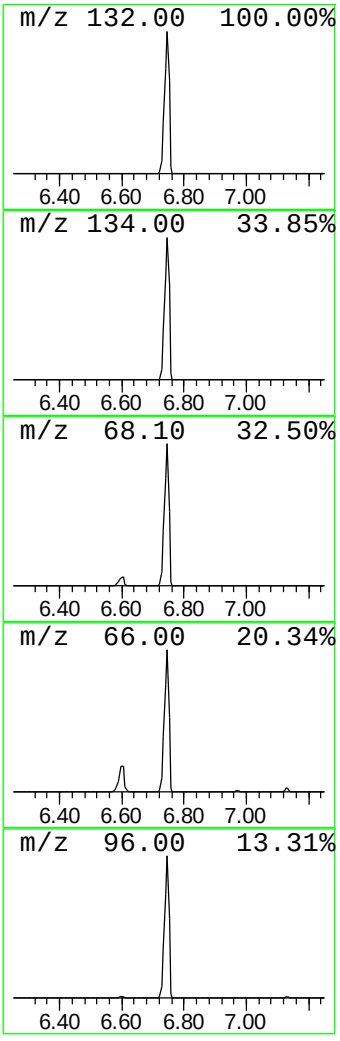
****

Peak Number 3 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	82.56 ng	3904480	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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Acq On : 23 Mar 2018 12:34
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Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

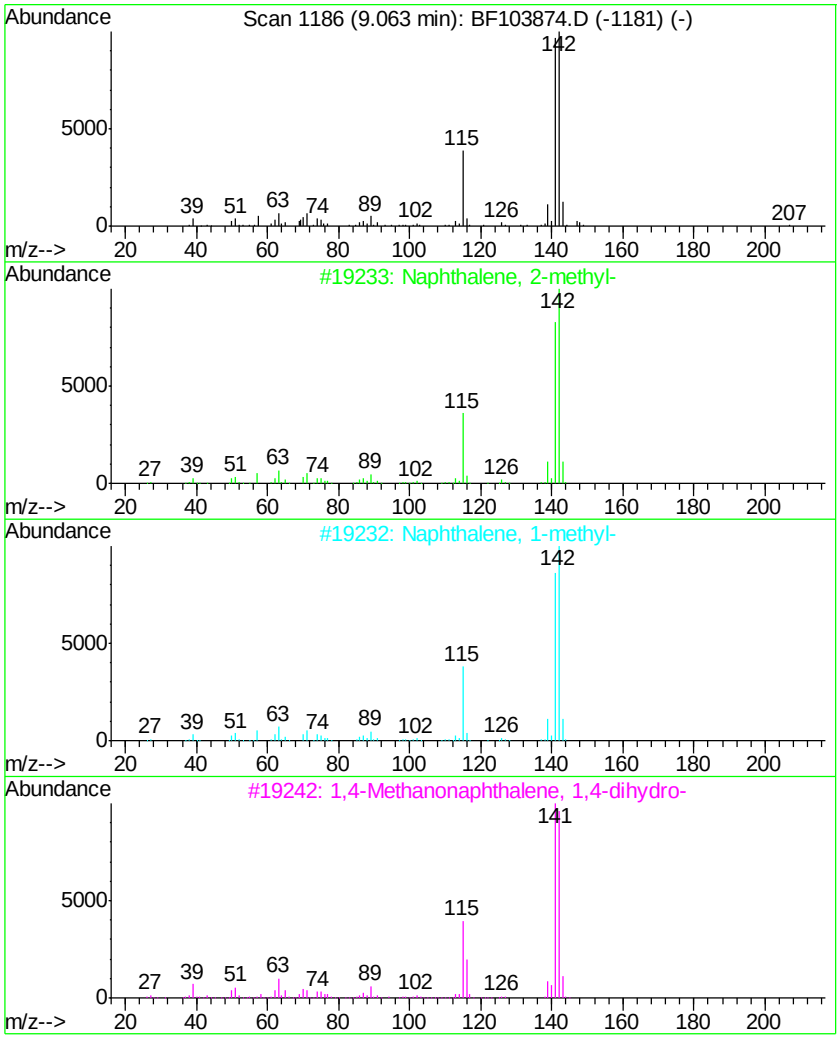
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

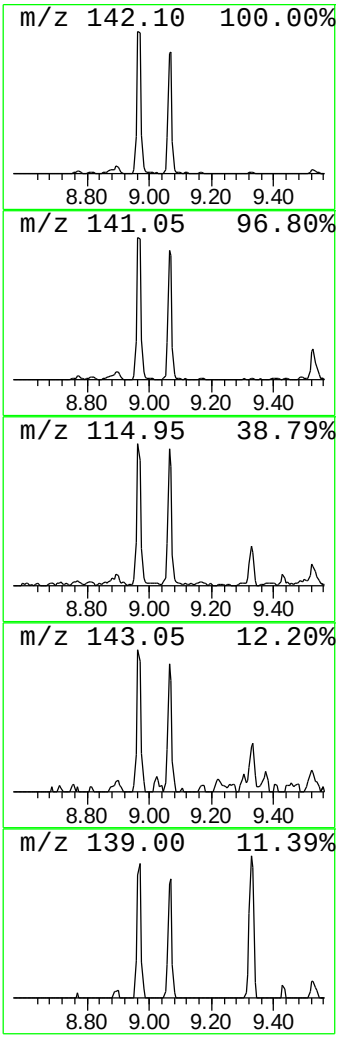
****

Peak Number 5 Naphthalene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	4.12 ng	276792	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

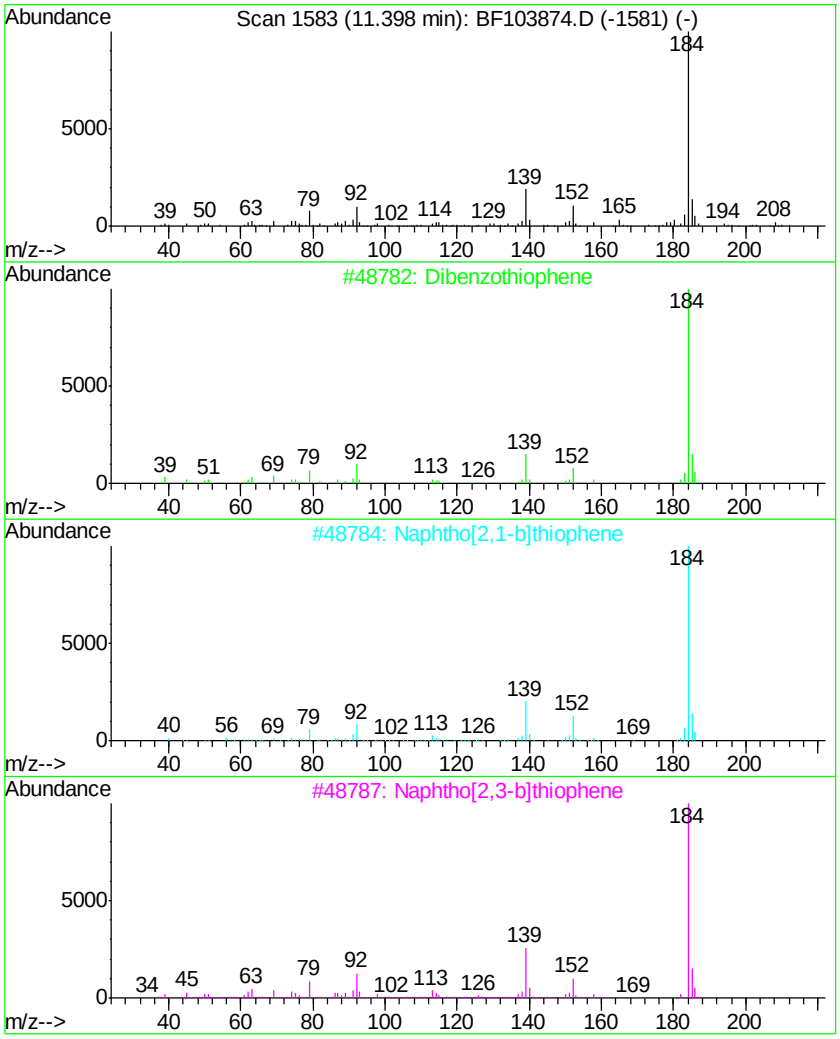
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

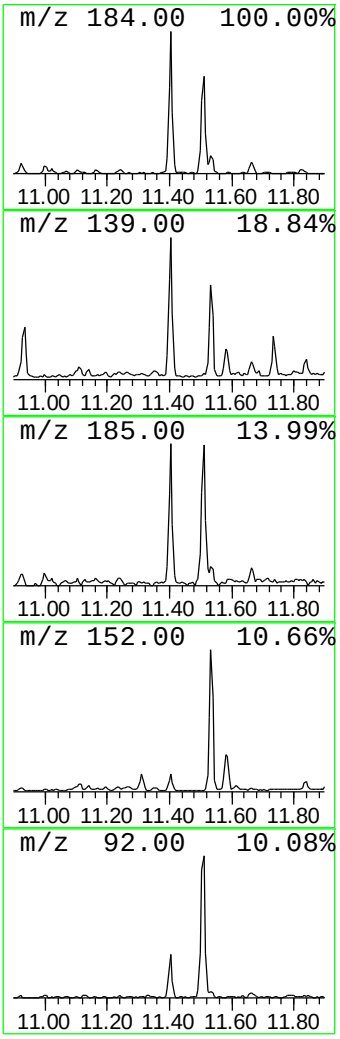
****

Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	4.09 ng	290219	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93





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Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

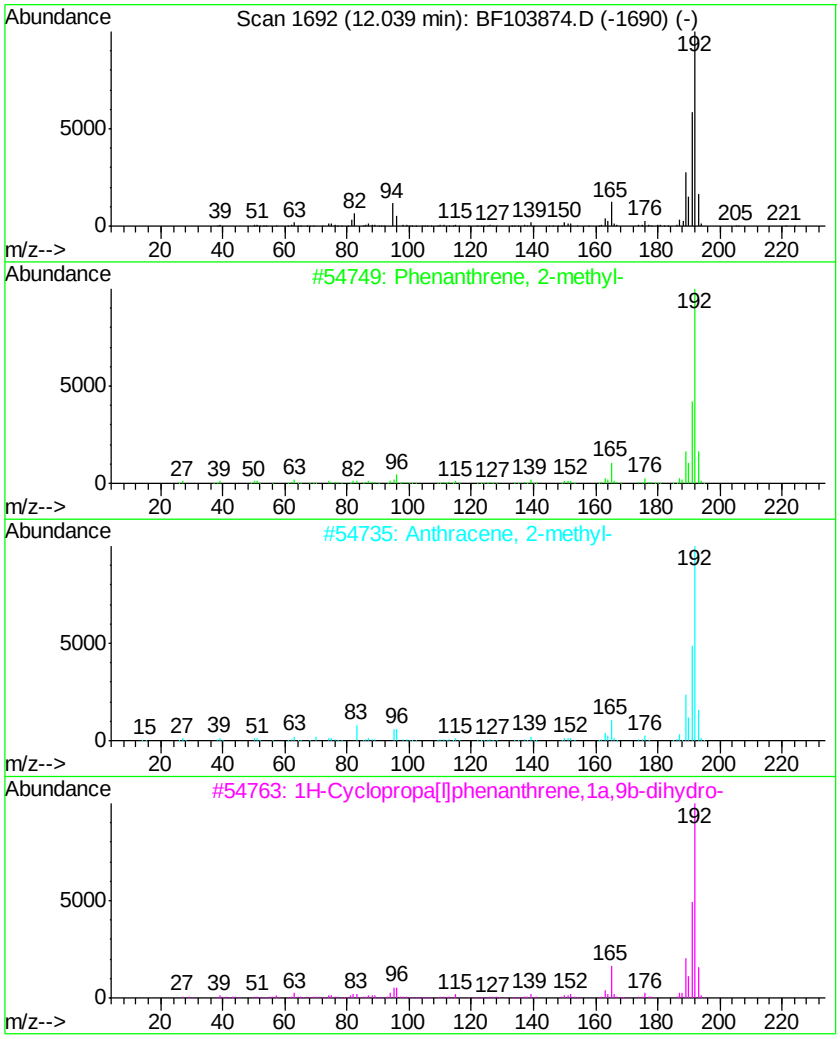
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

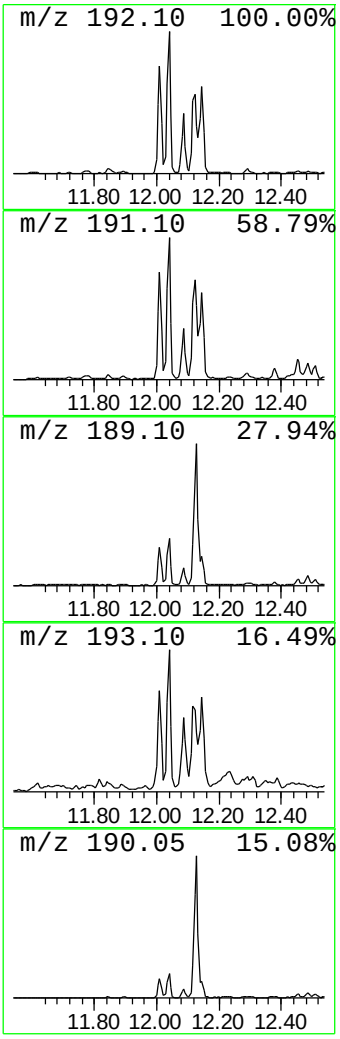
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	7.71 ng	547374	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : J1998-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-102(3-4)

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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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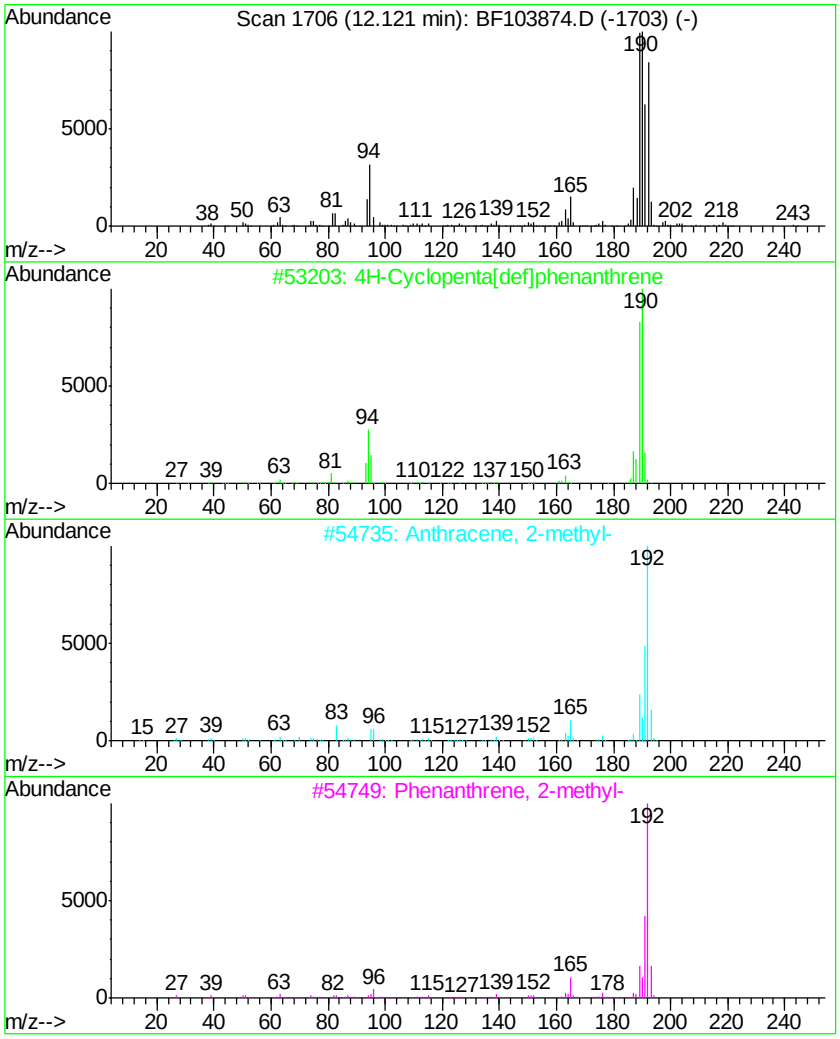
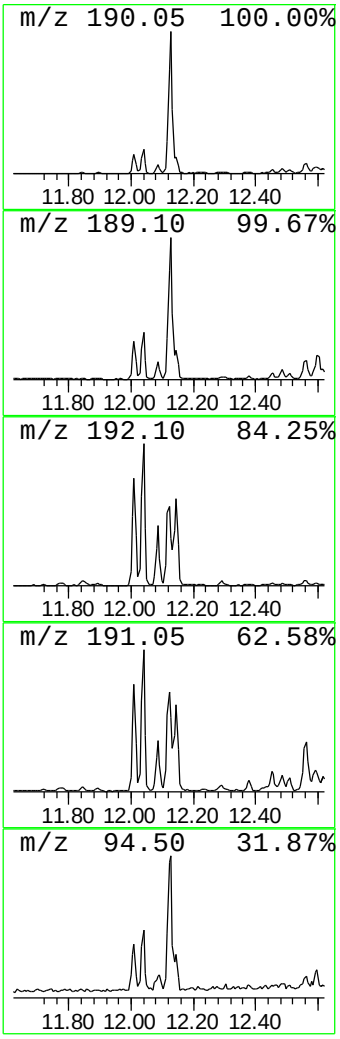
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	14.82 ng	1052510	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





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Sample : J1998-01
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Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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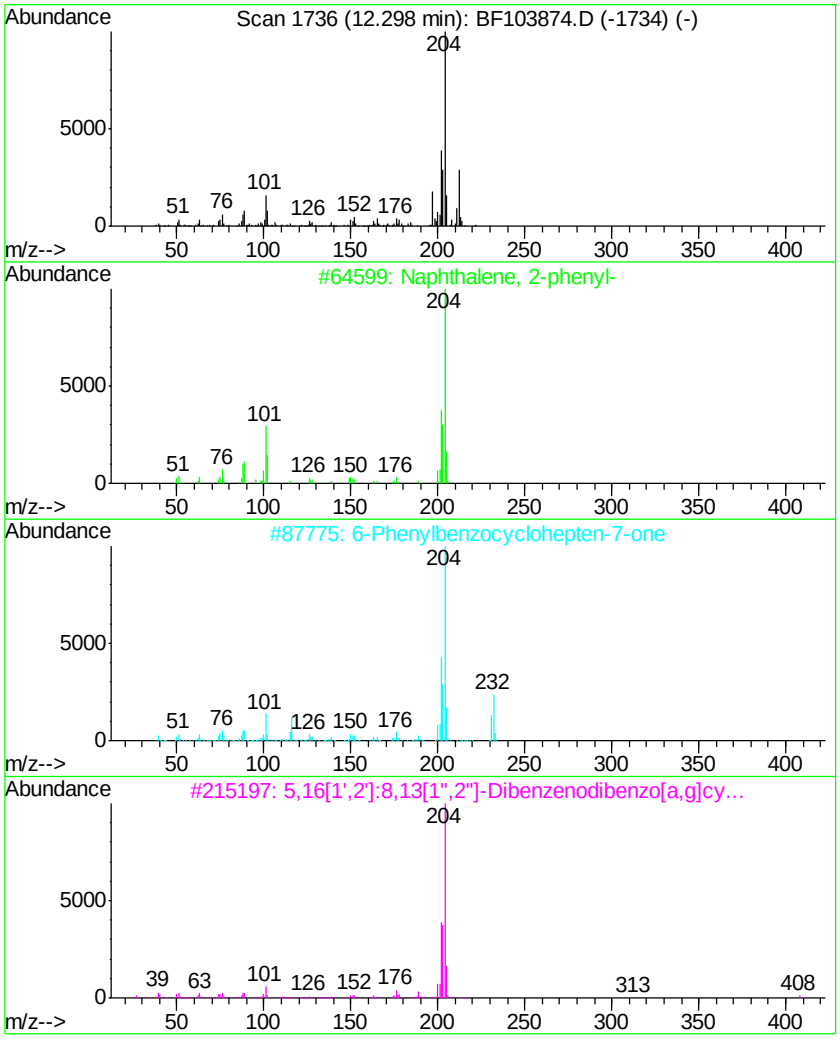
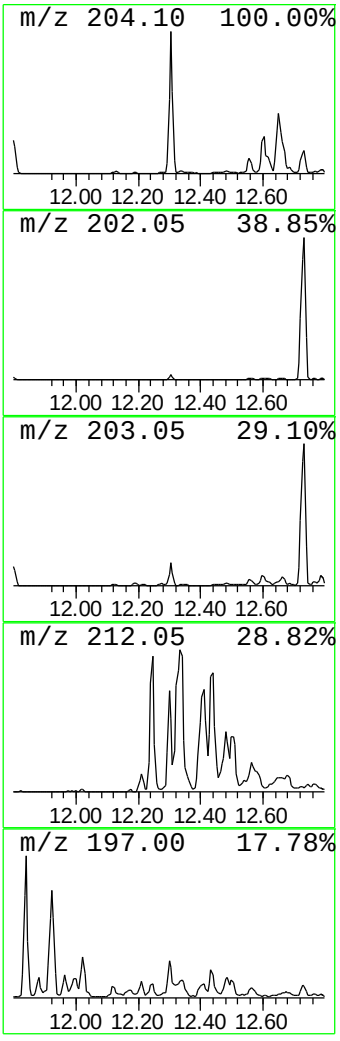
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	4.39 ng	311746	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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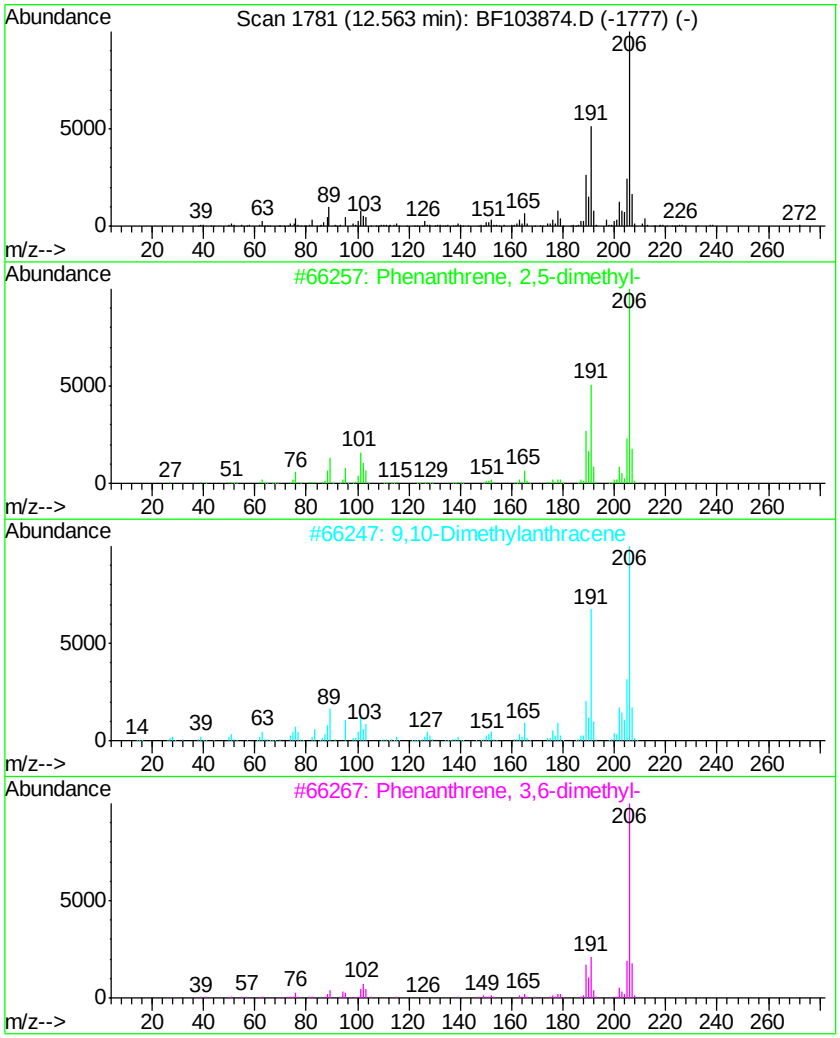
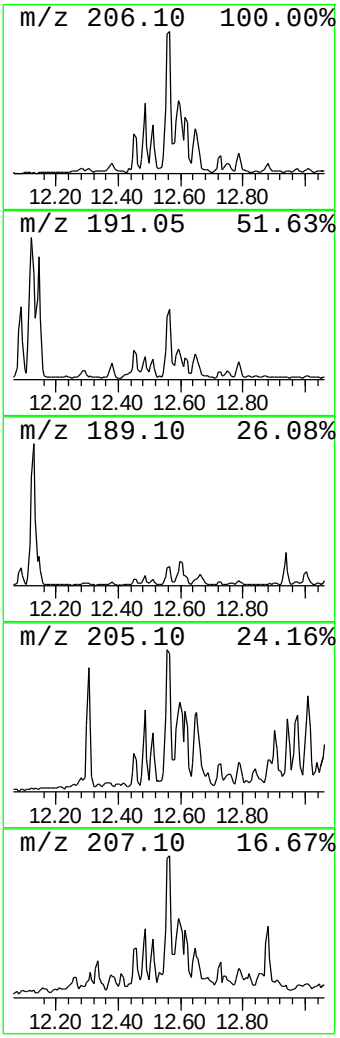
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	6.55 ng	465029	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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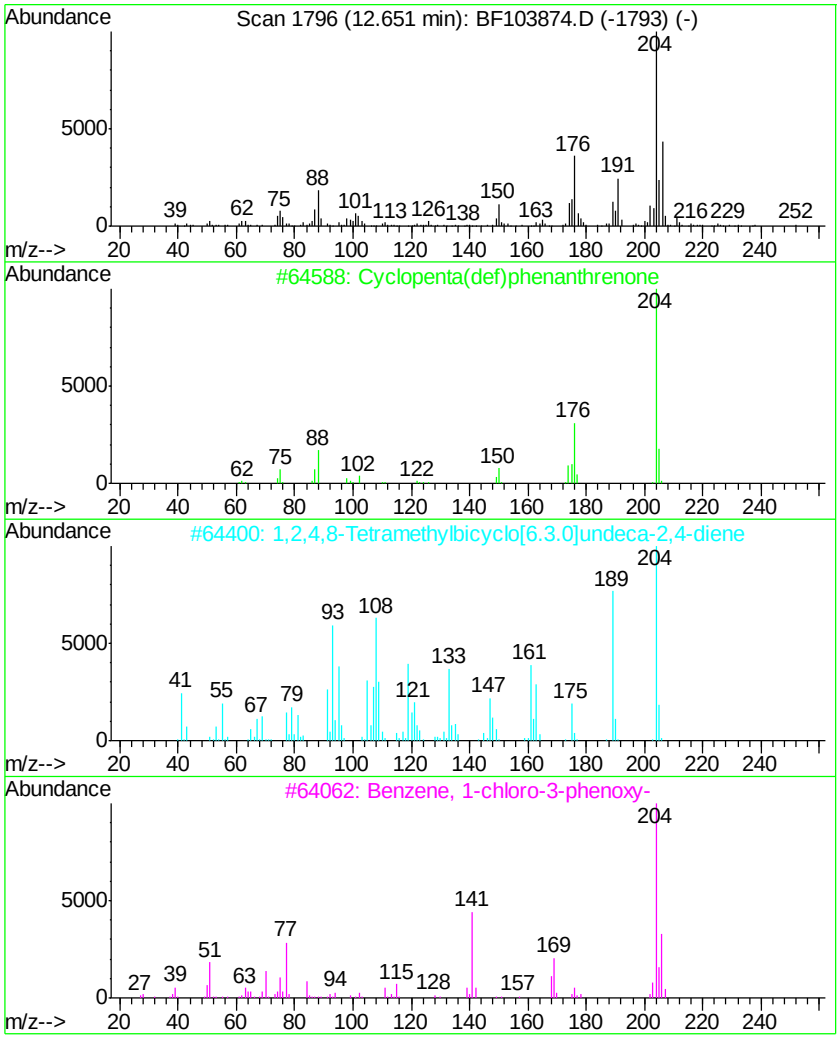
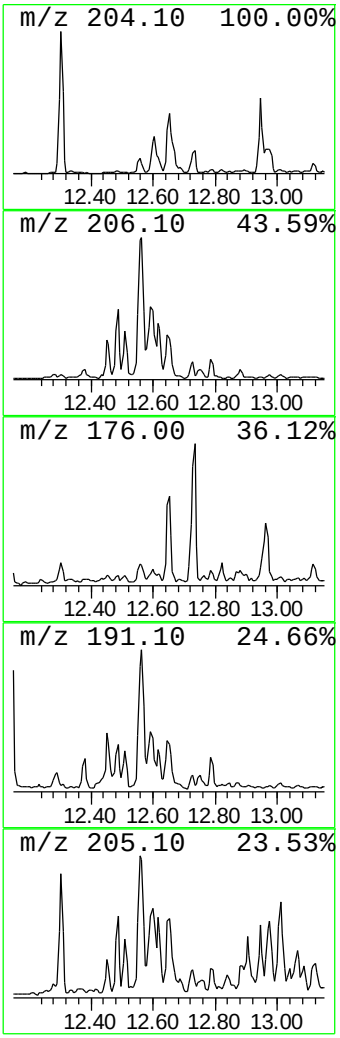
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	4.43 ng	314997	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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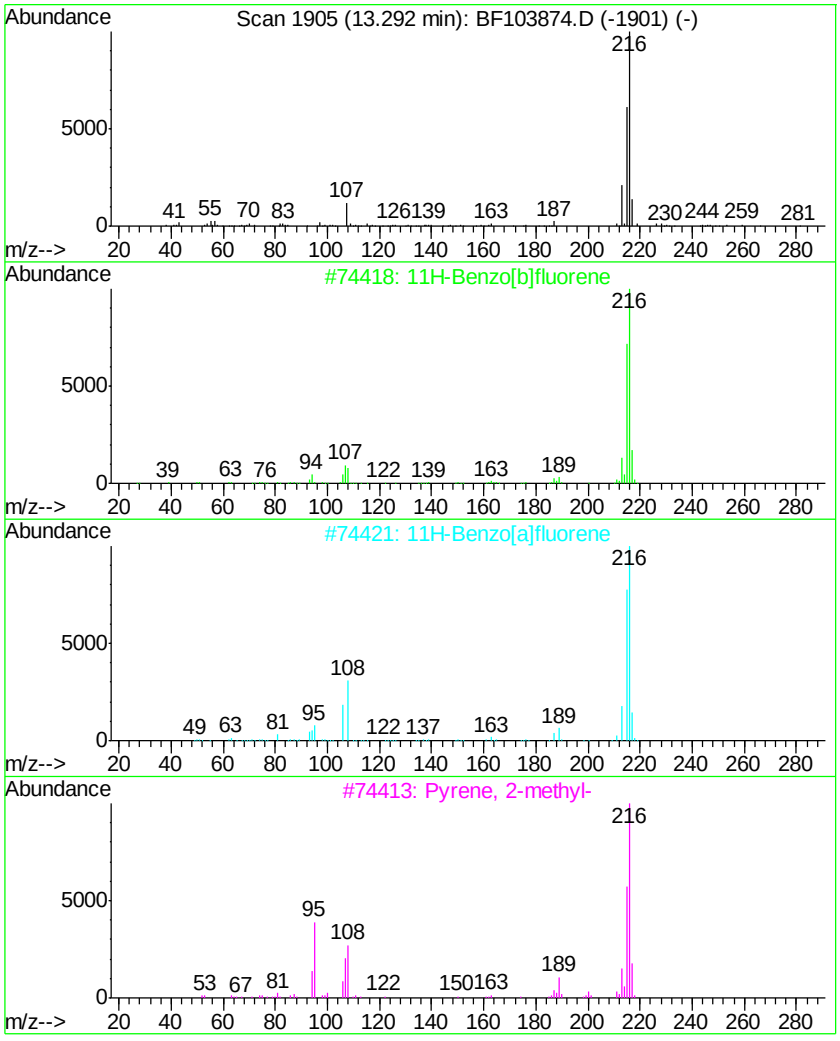
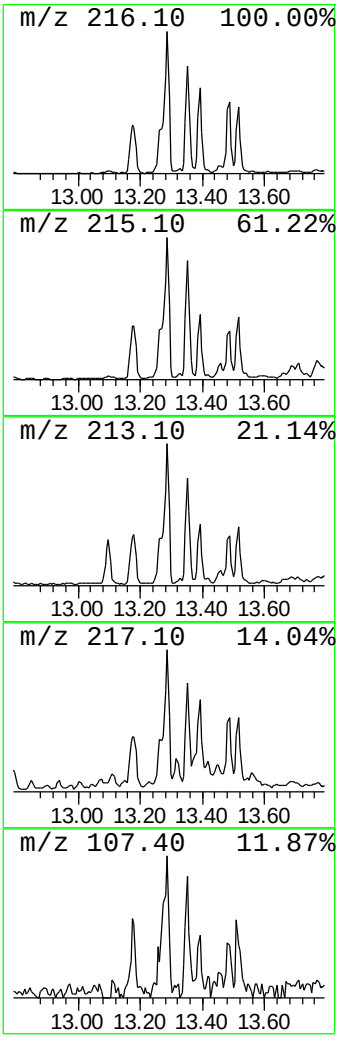
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	4.23 ng	603323	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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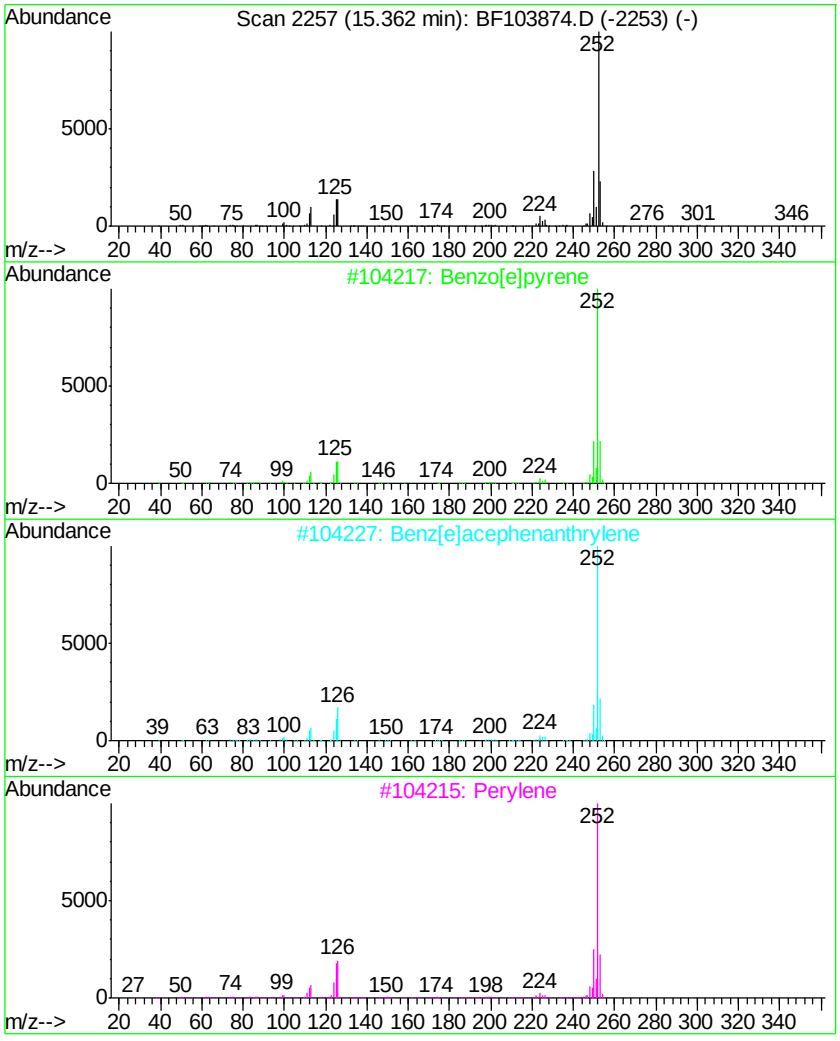
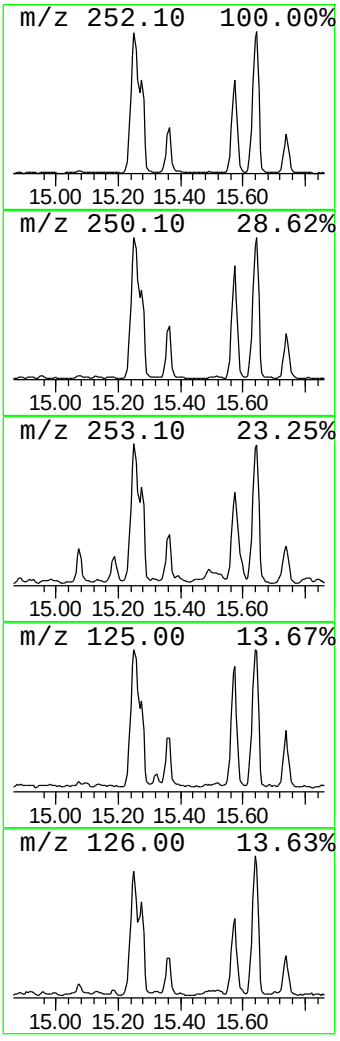
Peak Number 16 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	6.08 ng	305812	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Sample : J1998-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-102(3-4)

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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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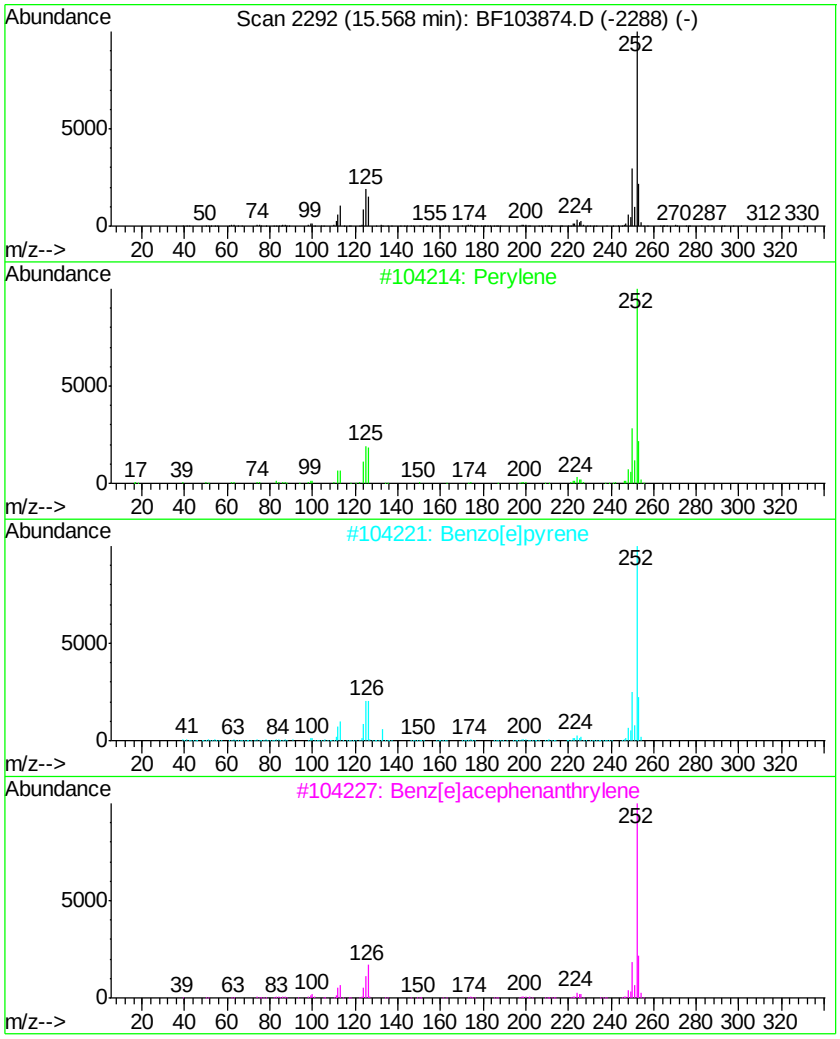
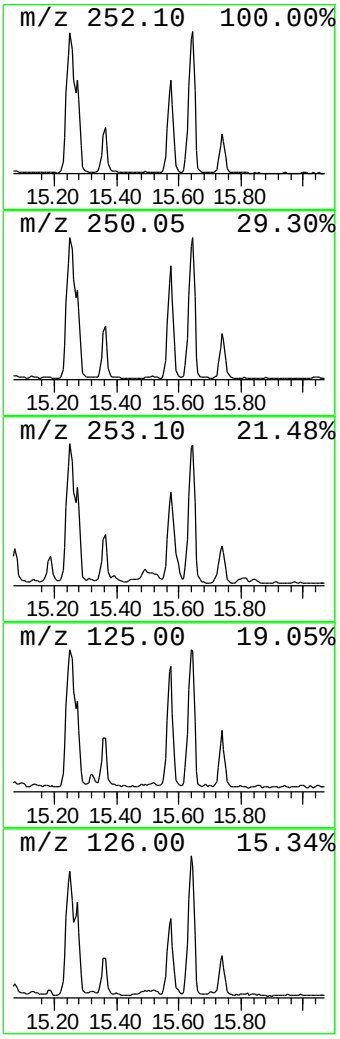
Peak Number 17 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	19.05 ng	958153	Perylene-d12	15.71

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





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ClientSampleId : MW-102(3-4)

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TIC Library : C:\DATABASE\NIST11.L
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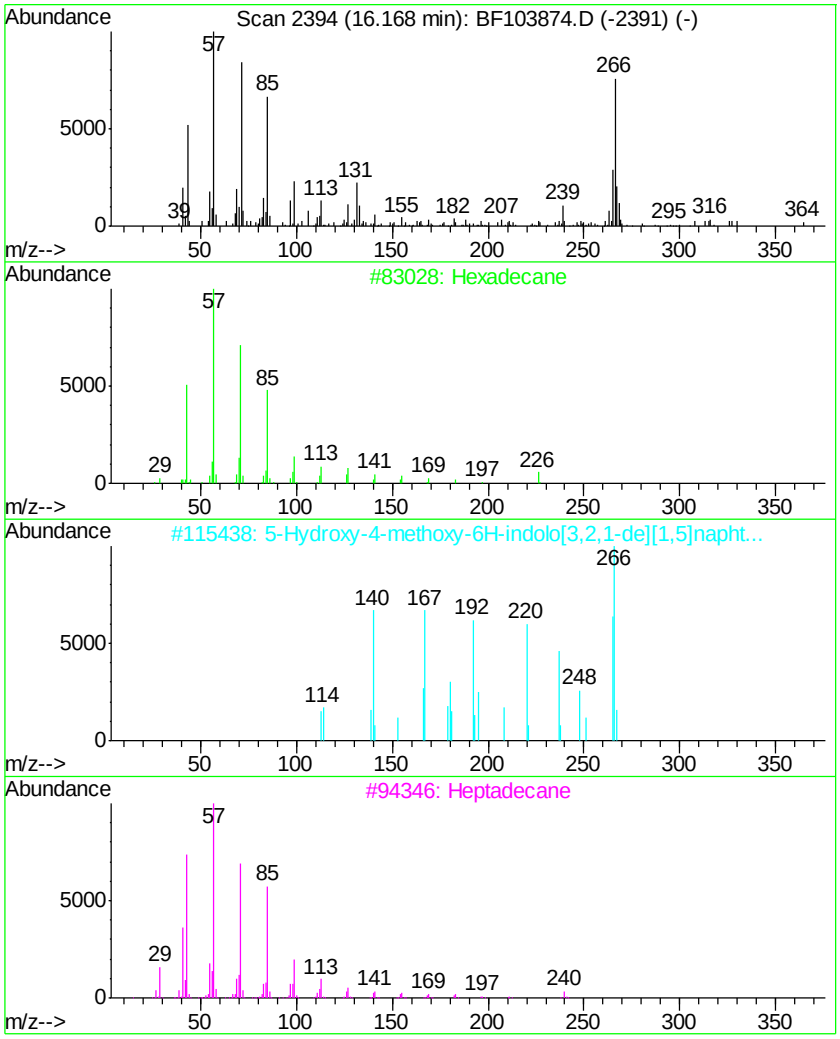
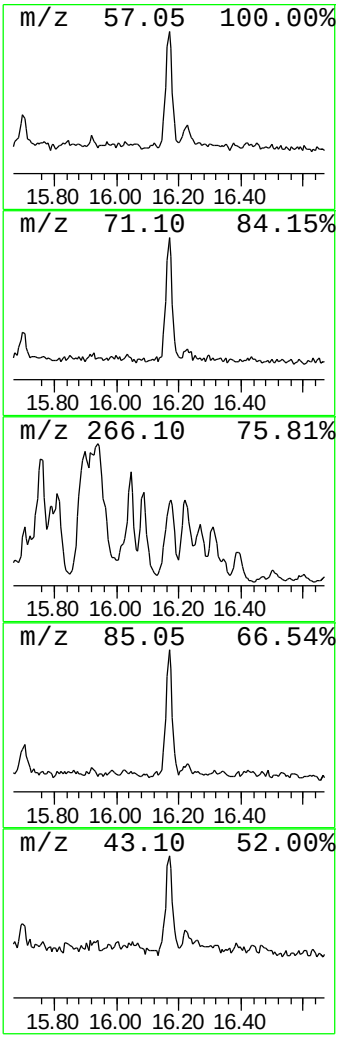
Peak Number 18 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.49 ng	175752	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	66
2	5-Hydroxy-4-methoxy-6H-indolo[3,...	266	C15H10N2O3	018110-86-6	52
3	Heptadecane	240	C17H36	000629-78-7	46
4	Nonadecane	268	C19H40	000629-92-5	45
5	2-methyloctacosane	408	C29H60	1000376-72-8	41





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Sample : J1998-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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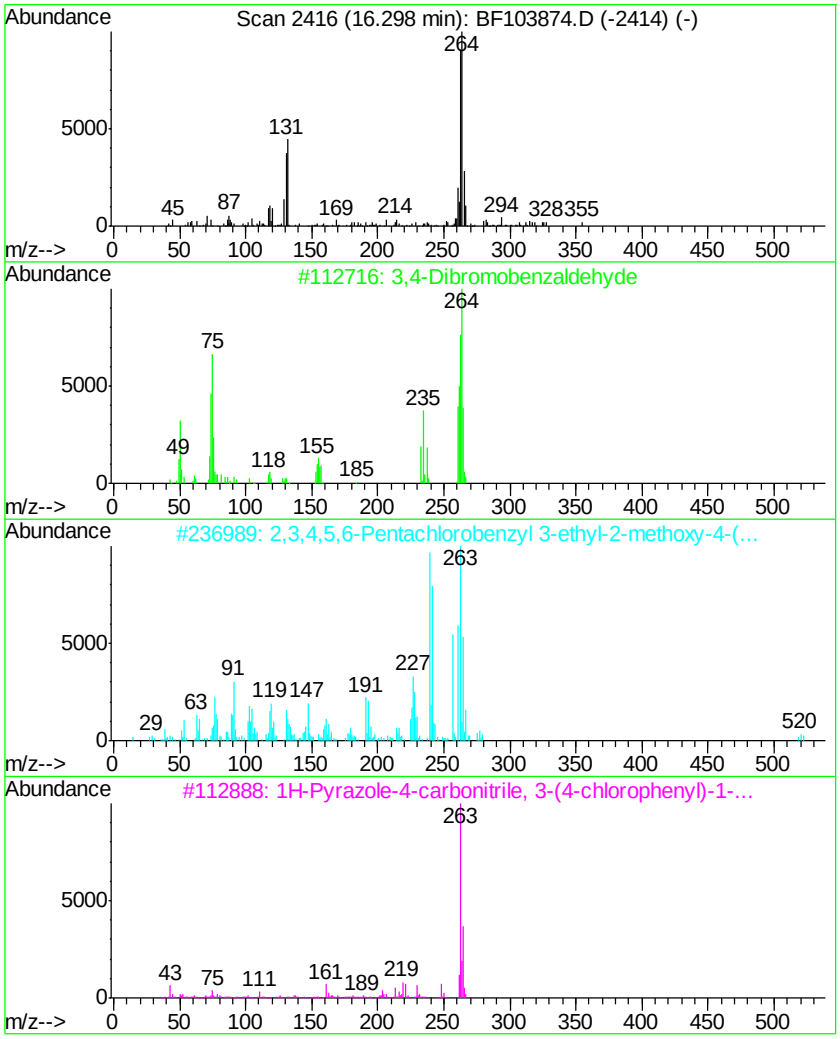
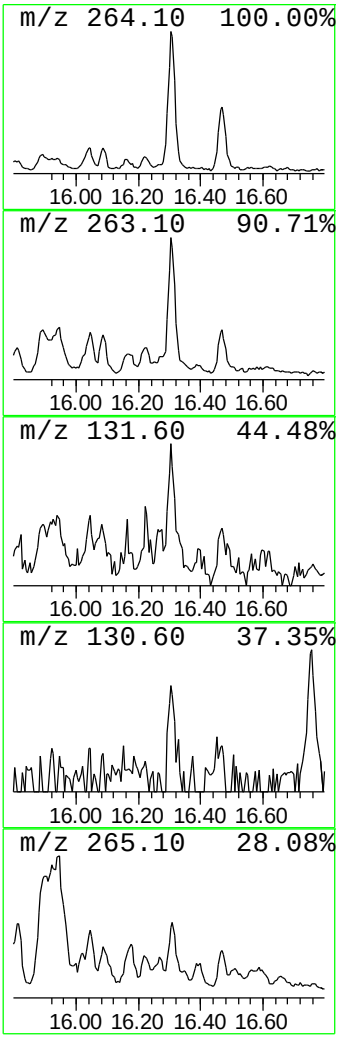
Peak Number 19 3,4-Dibromobenzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	3.54 ng	177961	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	52
2	2,3,4,5,6-Pentachlorobenzyl 3-et...	518	C18H15Cl5O5S	1000332-55-0	27
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	27
4	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	27
5	2,5-Bis(4-hydroxyphenyl)pyrimidine	264	C16H12N2O2	159488-83-2	22





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Misc :
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Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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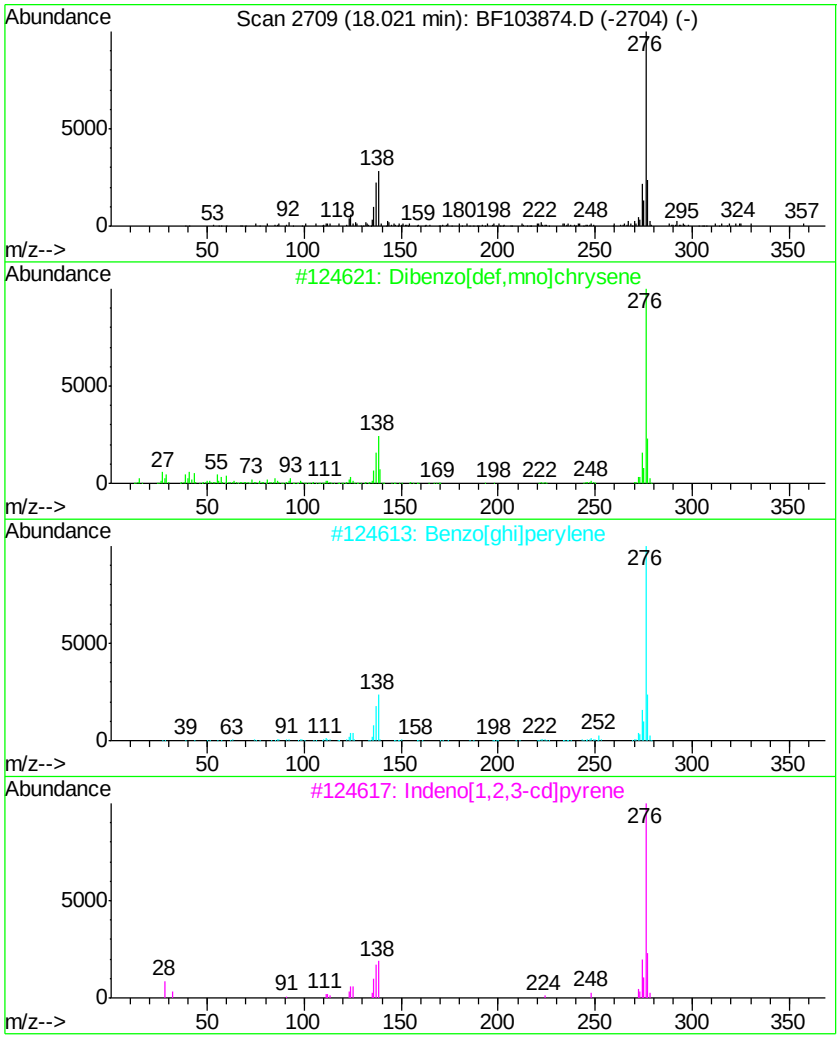
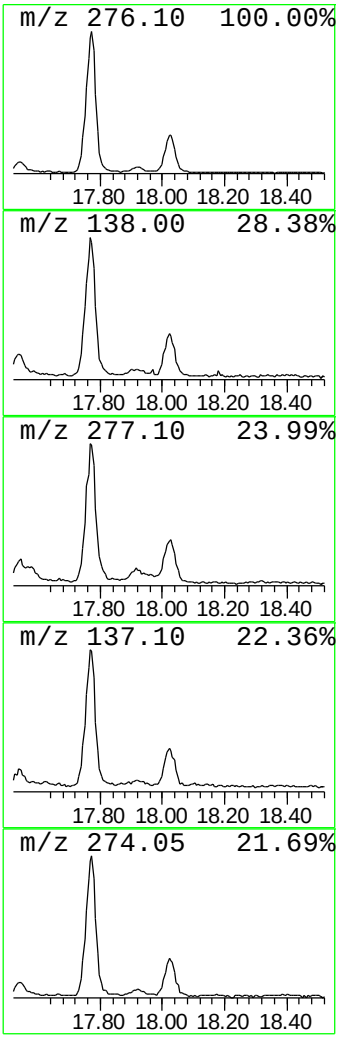
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.77 ng	189732	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	47





Tentatively Identified Compound (LSC) summary

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Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-102(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
Butane, 2-methoxy...	2.32	3.6	ng	170595	1	6.97	945809	20.0
2-Pentanone, 4-hy...	5.22	4.3	ng	202747	1	6.97	945809	20.0
unknown6.75	6.75	82.6	ng	3904480	1	6.97	945809	20.0
Naphthalene, 2-me...	9.06	4.1	ng	276792	2	8.26	1344820	20.0
Dibenzothiophene	11.40	4.1	ng	290219	4	11.51	1420830	20.0
Phenanthrene, 2-m...	12.04	7.7	ng	547374	4	11.51	1420830	20.0
4H-Cyclopenta[def...	12.12	14.8	ng	1052510	4	11.51	1420830	20.0
Naphthalene, 2-ph...	12.30	4.4	ng	311746	4	11.51	1420830	20.0
Phenanthrene, 2,5...	12.56	6.5	ng	465029	4	11.51	1420830	20.0
Cyclopenta(def)ph...	12.65	4.4	ng	314997	4	11.51	1420830	20.0
11H-Benzo[b]fluorene	13.29	4.2	ng	603323	5	14.16	2855290	20.0
Benzo[e]pyrene	15.36	6.1	ng	305812	6	15.71	1005840	20.0
Perylene	15.57	19.1	ng	958153	6	15.71	1005840	20.0
Hexadecane	16.17	3.5	ng	175752	6	15.71	1005840	20.0
3,4-Dibromobenzal...	16.30	3.5	ng	177961	6	15.71	1005840	20.0
Dibenzo[def,mno]c...	18.02	3.8	ng	189732	6	15.71	1005840	20.0