LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100911.D
Acq On : 28 Nov 2017 00:39
Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

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-BF110817.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	5.469	571	575	581	rBV	250602	231778	16.77%	1.327%
2	6.481	743	747	755	rBV	240370	239200	17.31%	1.370%
3	6.622	768	771	775	rBV	322212	251216	18.18%	1.438%
4	6.857	807	811	814	rBV	441104	363923	26.34%	2.084%
5	7.010	833	837	841	rBV	246330	194027	14.04%	1.111%
6	7.416	902	906	913	rBB	177982	141641	10.25%	0.811%
7	8.139	1025	1029	1031	rBV	595968	479003	34.66%	2.743%
8	8.157	1031	1032	1036	rVB	96304	70388	5.09%	0.403%
9	8.851	1146	1150	1153	rBV	51824	37236	2.69%	0.213%
10	8.951	1163	1167	1171	rBB	45986	36610	2.65%	0.210%
11	9.210	1208	1211	1214	rBV	358337	269924	19.53%	1.545%
12	9.551	1265	1269	1271	rBV	40104	36356	2.63%	0.208%
13	9.751	1301	1303	1307	rVB	55807	44586	3.23%	0.255%
14	9.892	1321	1327	1330	rBV2	584625	510669	36.96%	2.924%
15	9.927	1330	1333	1336	rVB	161222	135635	9.82%	0.777%
16	10.098	1358	1362	1366	rBV	96070	83845	6.07%	0.480%
17	10.439	1416	1420	1425	rVB	146670	123692	8.95%	0.708%
18	10.598	1444	1447	1451	rVB	47410	41907	3.03%	0.240%
19	10.680	1458	1461	1465	rVV	200022	182000	13.17%	1.042%
20	10.986	1507	1513	1516	rBV4	39139	59598	4.31%	0.341%
21	11.116	1530	1535	1537	rBV3	30075	40332	2.92%	0.231%
22	11.139	1537	1539	1543	rVV	34181	34984	2.53%	0.200%
23	11.186	1543	1547	1550	rVV	87465	76352	5.53%	0.437%
24	11.239	1550	1556	1559	rVV2	47181	66043	4.78%	0.378%
25	11.274	1559	1562	1567	rVB	84383	76766	5.56%	0.440%
26	11.380	1577	1580	1582	rBV	523859	477167	34.53%	2.732%
27	11.410	1582	1585	1588	rVV	1460615	1228659	88.92%	7.035%
28	11.457	1588	1593	1596	rVV	290115	251725	18.22%	1.441%
29	11.610	1613	1619	1627	rBV2	115941	140759	10.19%	0.806%
30	11.674	1627	1630	1634	rVV2	40838	36939	2.67%	0.211%
31	11.710	1634	1636	1641	rVB3	40710	39144	2.83%	0.224%
32	11.880	1660	1665	1668	rVV	222567	203067	14.70%	1.163%
33	11.910	1668	1670	1673	rVB	303234	224273	16.23%	1.284%
34	11.957	1673	1678	1681	rBV	92740	80165	5.80%	0.459%

LSC Area Percent Report

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Acq On : 28 Nov 2017 00:39
Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.992	1681	1684	1687	rVV2	266775	315193	22.81%	1.805%
36	12.016	1687	1688	1692	rVB	157389	91944	6.65%	0.526%
37	12.174	1713	1715	1718	rVV	139277	118277	8.56%	0.677%
38	12.204	1718	1720	1723	rVB	114318	83561	6.05%	0.478%
39	12.327	1735	1741	1743	rBV	55597	63166	4.57%	0.362%
40	12.380	1748	1750	1753	rVB	42703	30509	2.21%	0.175%
41	12.427	1753	1758	1762	rBV	105980	139263	10.08%	0.797%
42	12.468	1762	1765	1767	rVV2	60526	74351	5.38%	0.426%
43	12.521	1770	1774	1778	rVB2	101050	120016	8.69%	0.687%
44	12.598	1782	1787	1790	rBV	1381588	1234447	89.33%	7.068%
45	12.657	1795	1797	1800	rVB2	43361	36172	2.62%	0.207%
46	12.727	1804	1809	1810	rBV3	32188	38158	2.76%	0.218%
47	12.745	1810	1812	1815	rVV	42675	38627	2.80%	0.221%
48	12.827	1819	1826	1831	rBV	1242238	1381828	100.00%	7.912%
49	12.868	1831	1833	1838	rVB2	65725	79316	5.74%	0.454%
50	12.939	1841	1845	1846	rBV2	70112	60582	4.38%	0.347%
51	12.963	1846	1849	1851	rVV	210272	204221	14.78%	1.169%
52	12.980	1851	1852	1855	rVB	81075	51806	3.75%	0.297%
53	13.039	1855	1862	1866	rBV2	101278	170029	12.30%	0.974%
54	13.127	1873	1877	1878	rBV4	72848	84841	6.14%	0.486%
55	13.151	1878	1881	1884	rVB	147866	147602	10.68%	0.845%
56	13.215	1889	1892	1894	rVV	66391	50940	3.69%	0.292%
57	13.257	1894	1899	1901	rVV2	135284	154488	11.18%	0.885%
58	13.280	1901	1903	1906	rVB	39438	34648	2.51%	0.198%
59	13.345	1911	1914	1917	rBV	82586	69699	5.04%	0.399%
60	13.380	1917	1920	1923	rBV2	89947	86499	6.26%	0.495%
61	13.457	1929	1933	1938	rVB4	23722	35387	2.56%	0.203%
62	13.527	1941	1945	1947	rBV3	29109	35566	2.57%	0.204%
63	13.657	1964	1967	1971	rVB	130679	119137	8.62%	0.682%
64	13.768	1981	1986	1989	rBV2	108725	145566	10.53%	0.833%
65	13.798	1989	1991	1993	rVV	110625	83435	6.04%	0.478%
66	13.821	1993	1995	1999	rVV2	67422	91500	6.62%	0.524%
67	13.868	1999	2003	2010	rVB	128483	139438	10.09%	0.798%
68	13.939	2010	2015	2021	rBV	21017	38357	2.78%	0.220%
69	14.015	2021	2028	2031	rBV2	722392	1003644	72.63%	5.746%
70	14.051	2031	2034	2041	rVB	504151	515577	37.31%	2.952%
71	14.127	2044	2047	2051	rVB	62975	48150	3.48%	0.276%

LSC Area Percent Report

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Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.245	2063	2067	2070	rVB2	48599	63643	4.61%	0.364%
73	14.368	2086	2088	2090	rVV	36001	32863	2.38%	0.188%
74	14.404	2090	2094	2097	rVV	130781	153224	11.09%	0.877%
75	14.439	2097	2100	2103	rVV	79679	81331	5.89%	0.466%
76	14.498	2103	2110	2113	rVV6	43461	105229	7.62%	0.602%
77	14.533	2113	2116	2118	rVV	71345	77740	5.63%	0.445%
78	14.551	2118	2119	2123	rVV4	55100	48114	3.48%	0.275%
79	14.598	2123	2127	2134	rVB3	43900	63734	4.61%	0.365%
80	14.715	2143	2147	2149	rBV3	35100	37048	2.68%	0.212%
81	14.739	2149	2151	2156	rVB6	24368	33319	2.41%	0.191%
82	14.827	2163	2166	2170	rVB2	30267	35073	2.54%	0.201%
83	14.898	2170	2178	2183	rBV3	45798	103047	7.46%	0.590%
84	15.062	2200	2206	2209	rBV	416155	638438	46.20%	3.655%
85	15.168	2221	2224	2228	rVB	82671	82202	5.95%	0.471%
86	15.257	2236	2239	2241	rBV2	24272	31571	2.28%	0.181%
87	15.368	2253	2258	2264	rVB	252679	341388	24.71%	1.955%
88	15.433	2264	2269	2274	rBV	359829	440997	31.91%	2.525%
89	15.492	2274	2279	2282	rBV	297521	374634	27.11%	2.145%
90	15.521	2282	2284	2291	rVB2	103686	140783	10.19%	0.806%
91	15.698	2312	2314	2320	rVB6	19834	34629	2.51%	0.198%
92	15.927	2347	2353	2358	rBV4	20260	41262	2.99%	0.236%
93	16.409	2430	2435	2443	rVB9	13804	37579	2.72%	0.215%
94	16.774	2488	2497	2498	rBV5	22337	40210	2.91%	0.230%
95	16.803	2499	2502	2509	rVB5	23868	43509	3.15%	0.249%
96	16.962	2522	2529	2539	rVB2	144637	265939	19.25%	1.523%
97	17.139	2553	2559	2564	rBV	30481	56933	4.12%	0.326%
98	17.198	2564	2569	2574	rVV2	27505	59555	4.31%	0.341%
99	17.409	2596	2605	2614	rBV	105072	225801	16.34%	1.293%
100	17.645	2639	2645	2652	rBV2	25917	50104	3.63%	0.287%

Sum of corrected areas: 17465448

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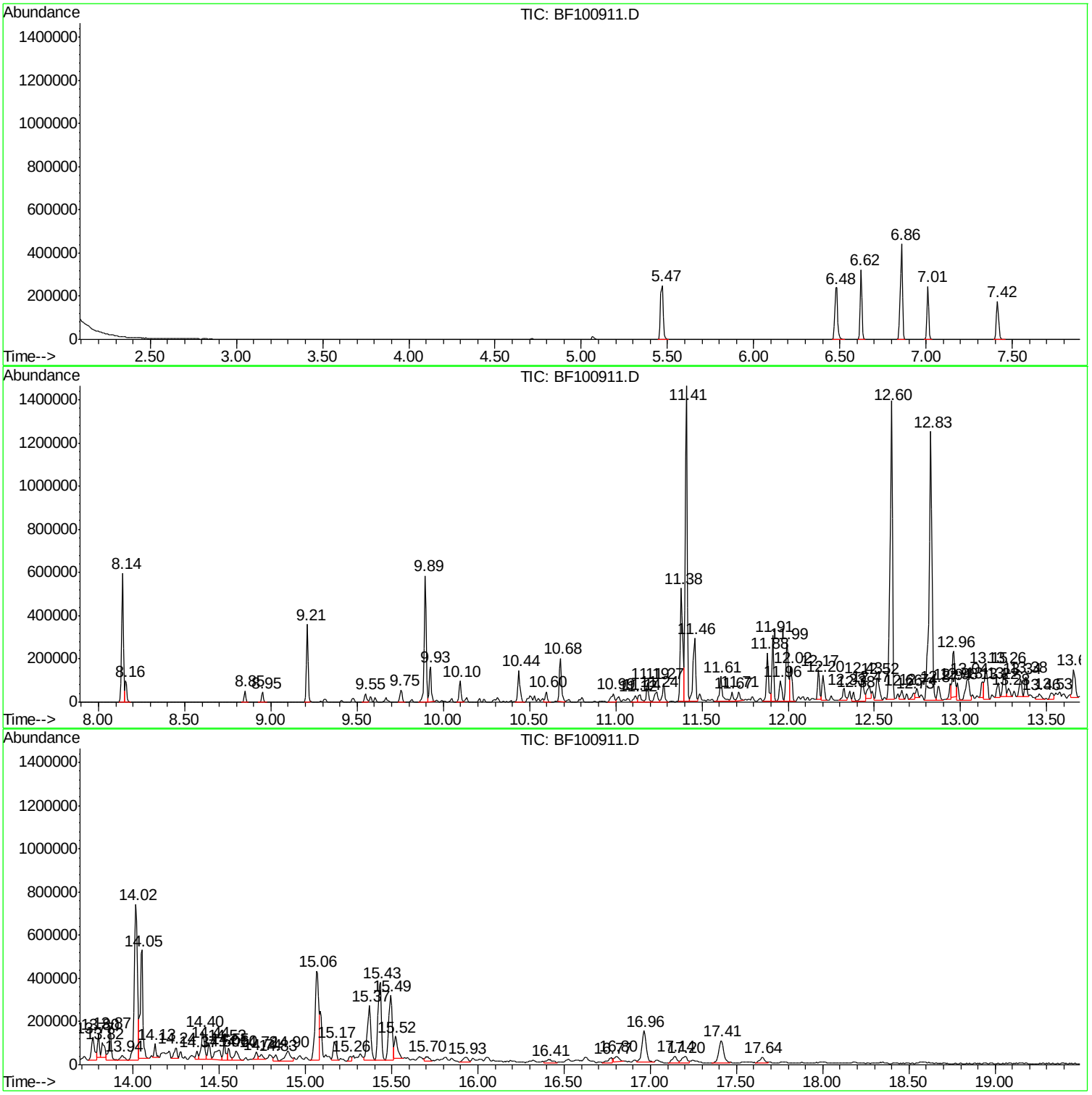
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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\BF112717\
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Sample : I6548-02 5X
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Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

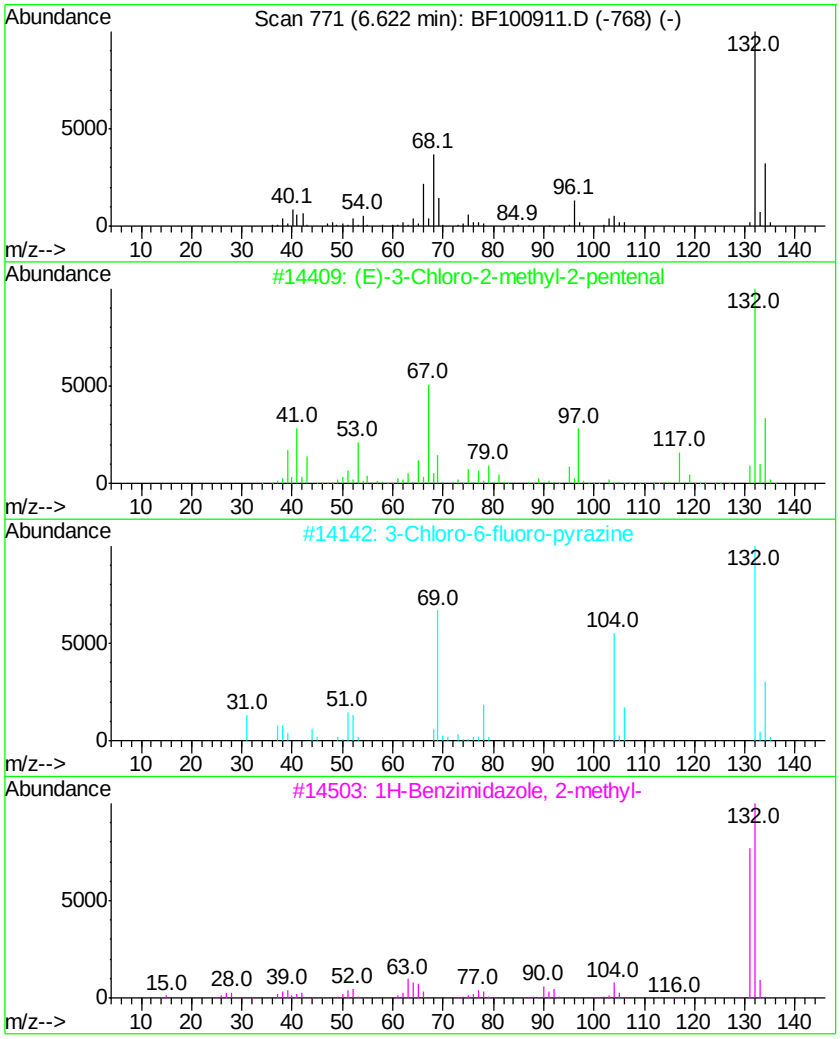
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

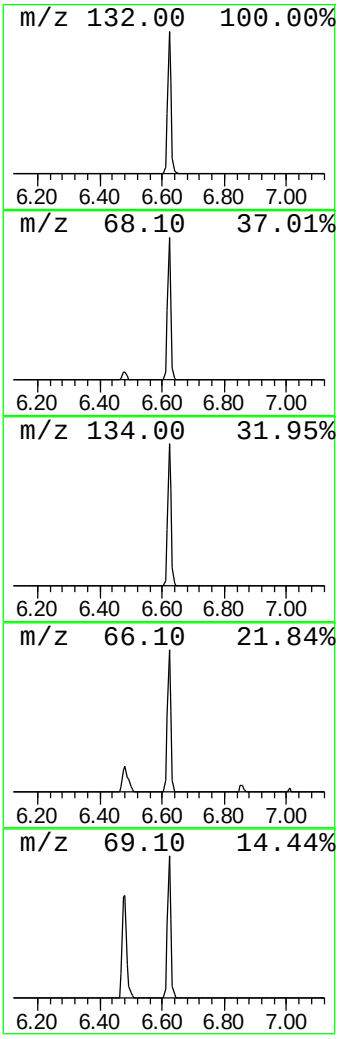
****

Peak Number 1 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	13.81 ng	251216	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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Sample : I6548-02 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

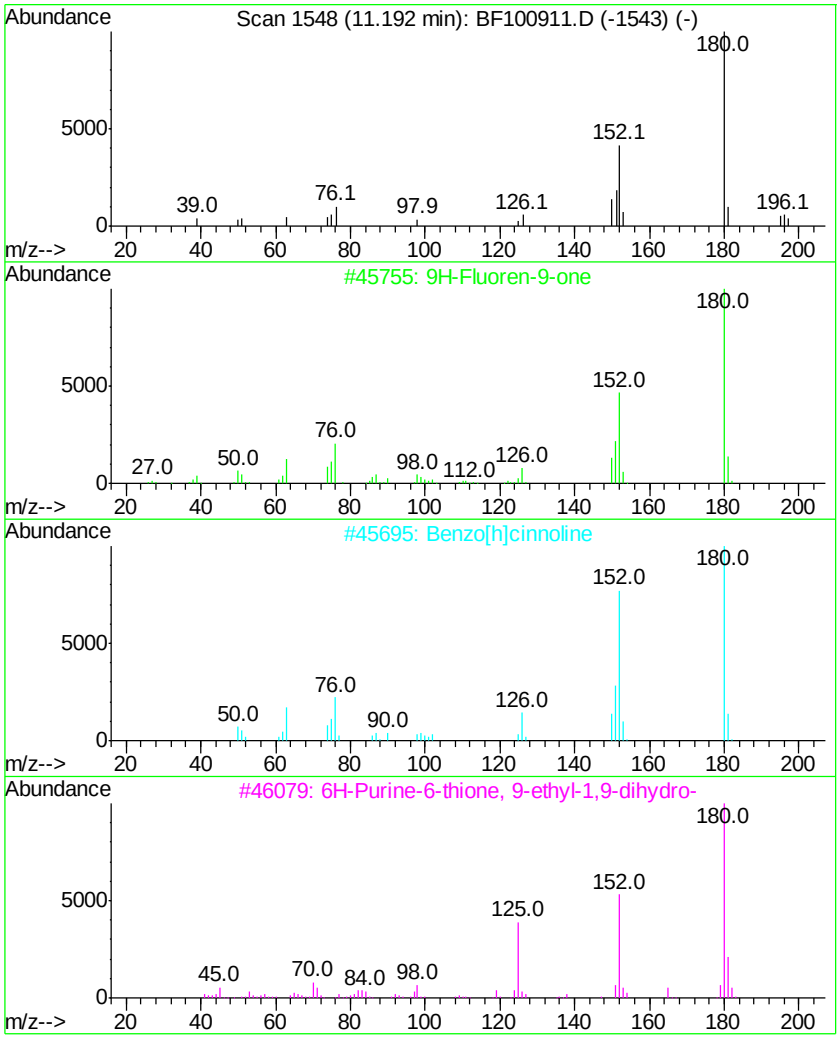
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

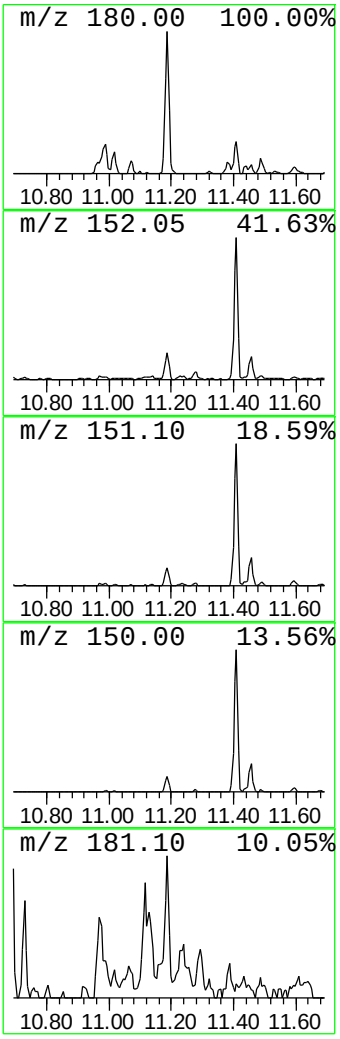
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	3.20 ng	76352	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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Misc :
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Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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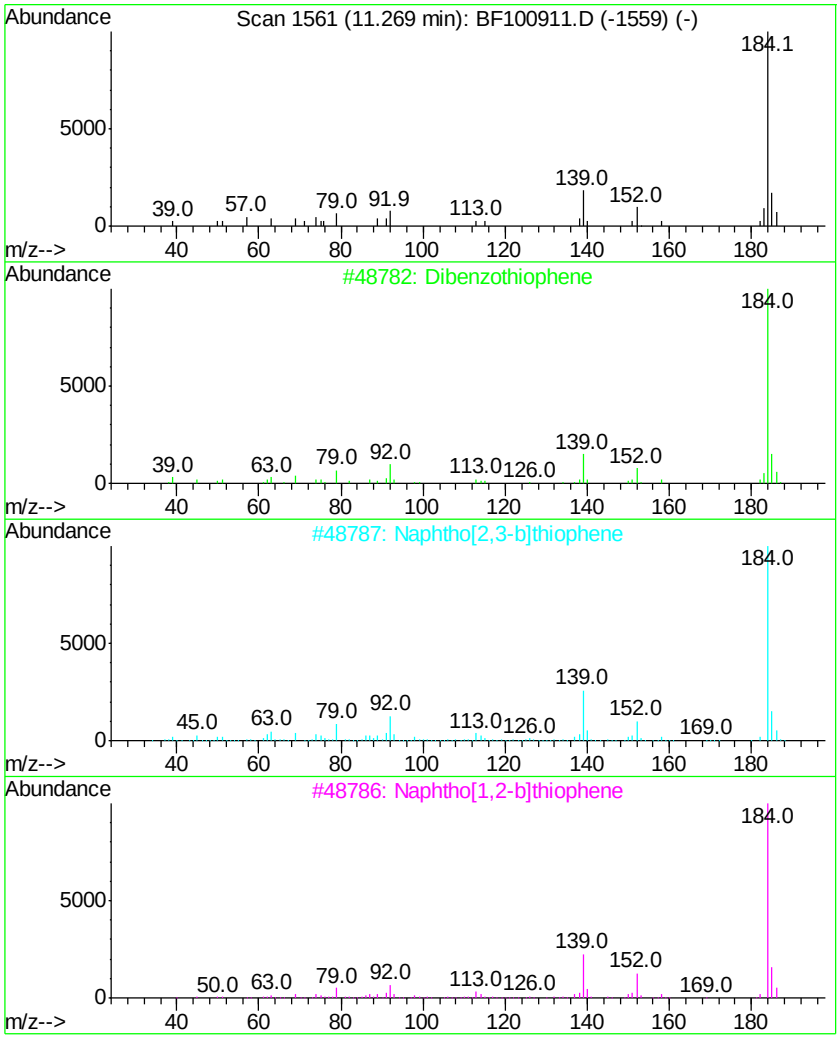
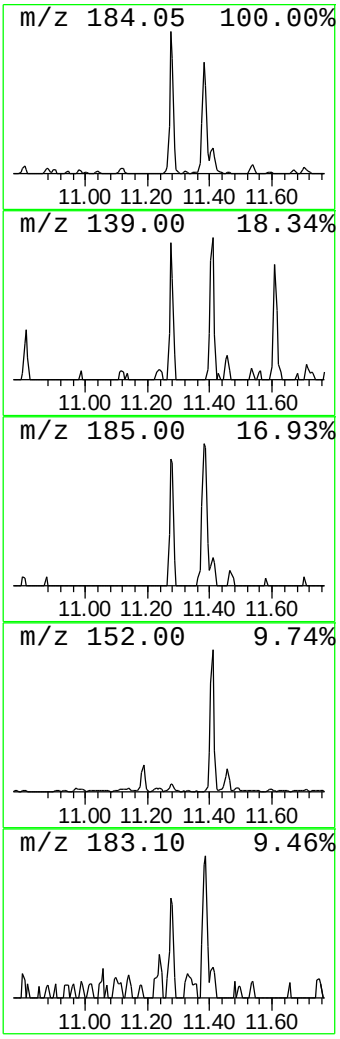
Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.22 ng	76766	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

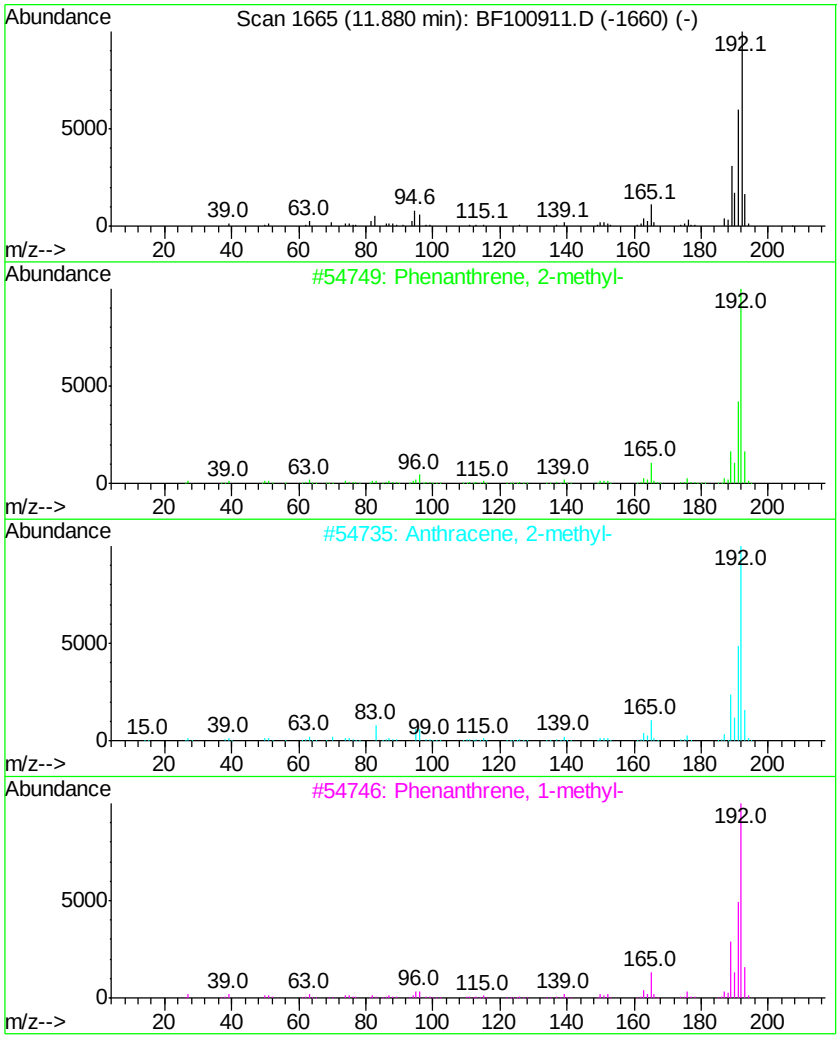
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

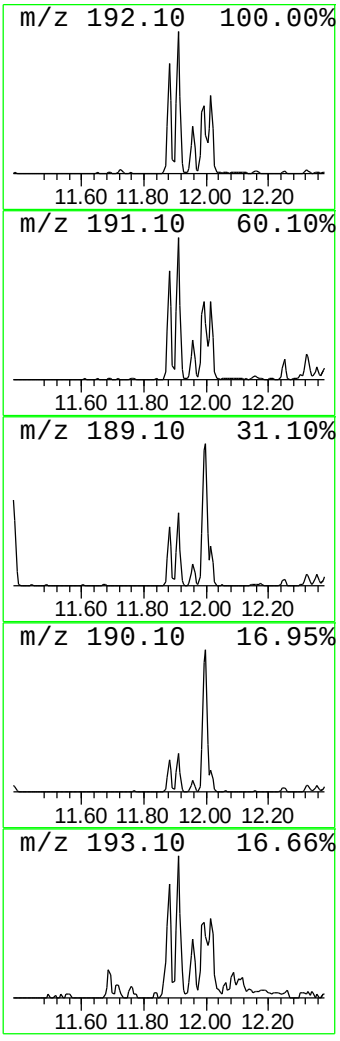
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	8.51 ng	203067	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100911.D
Acq On : 28 Nov 2017 00:39
Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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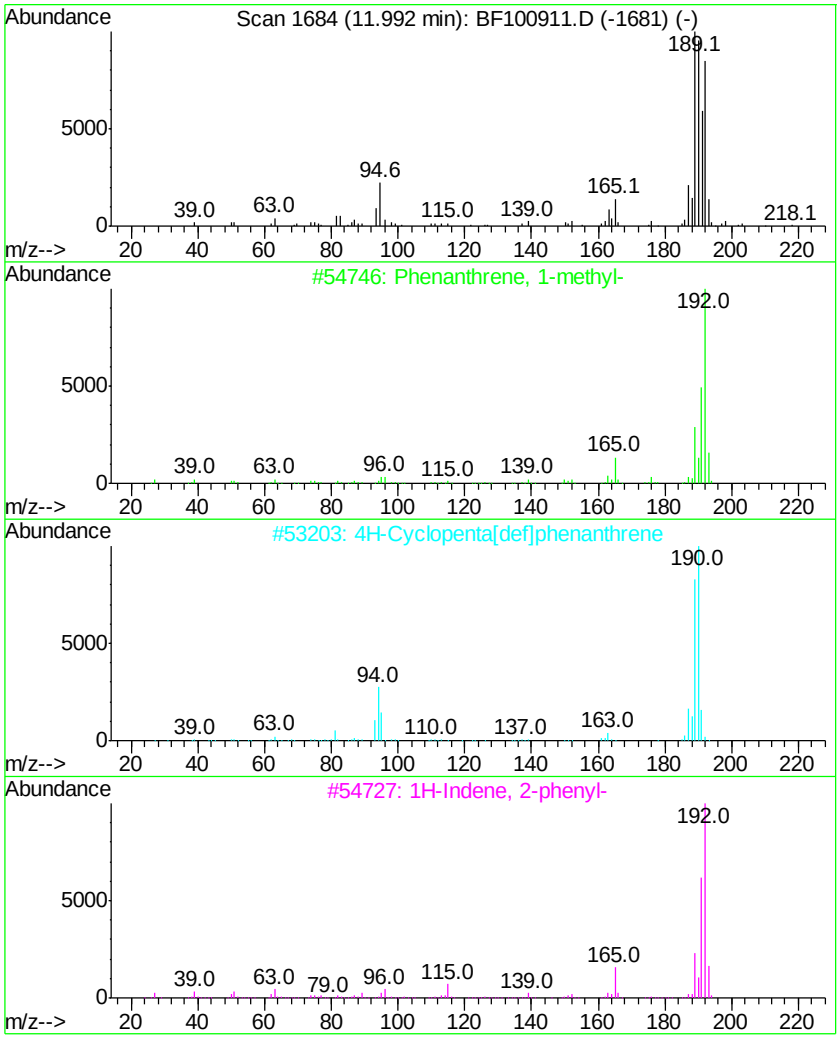
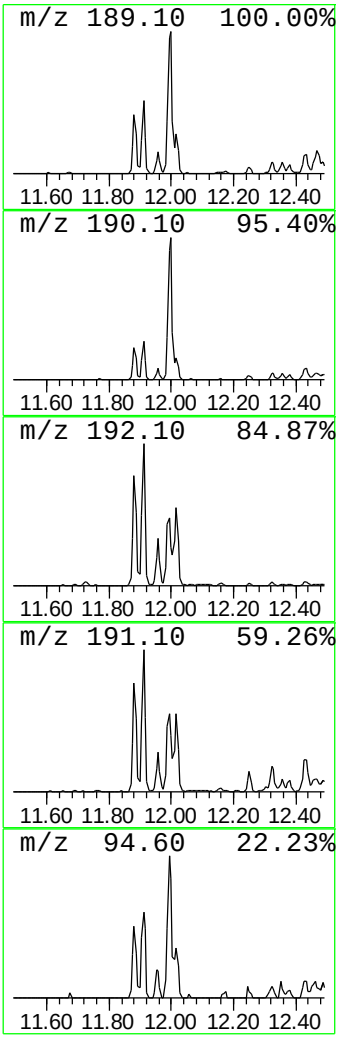
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	13.21 ng	315193	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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Acq On : 28 Nov 2017 00:39
Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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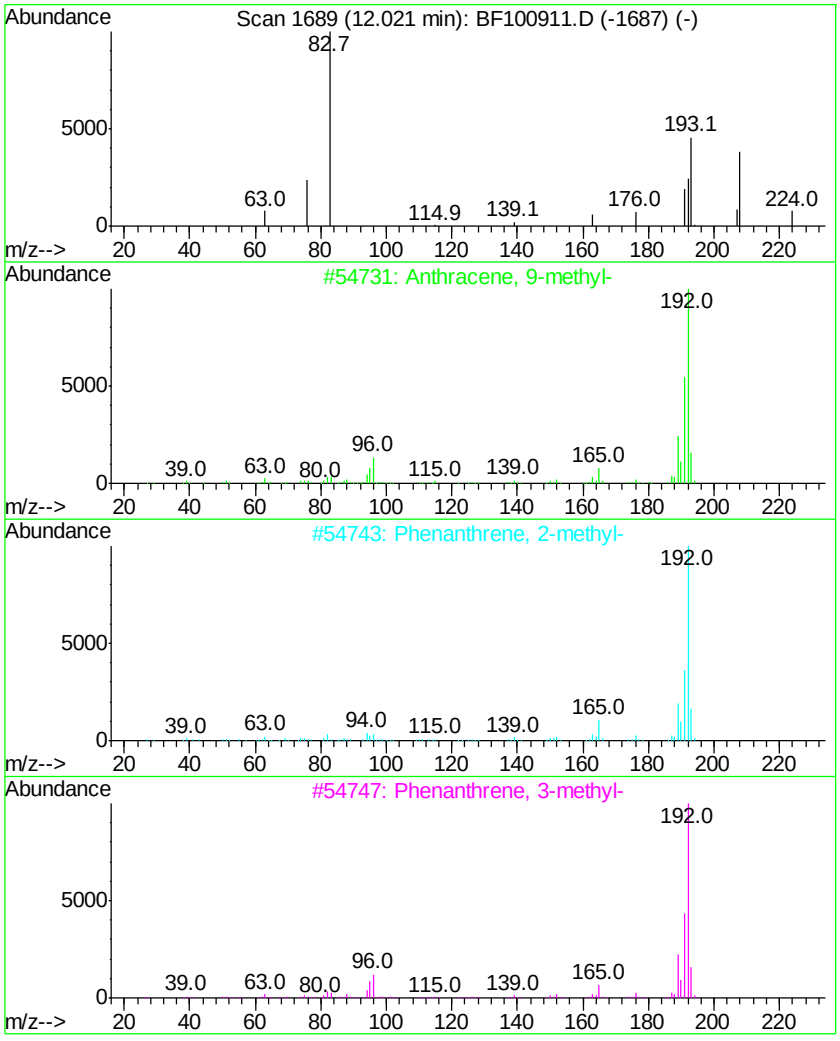
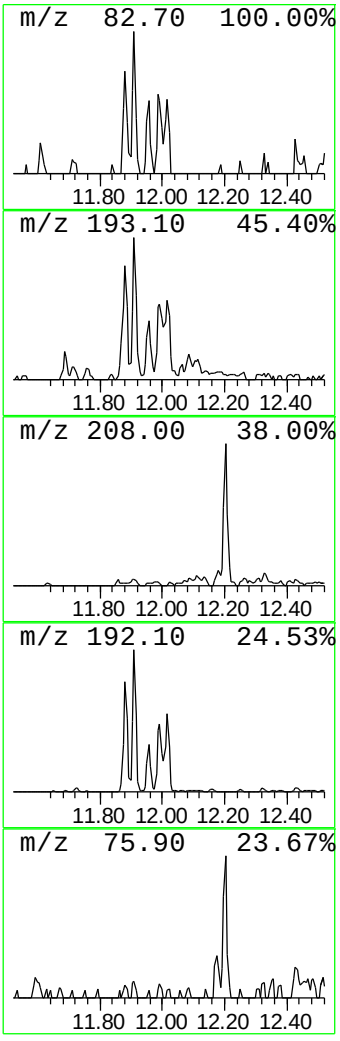
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.85 ng	91944	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70





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Sample : I6548-02 5X
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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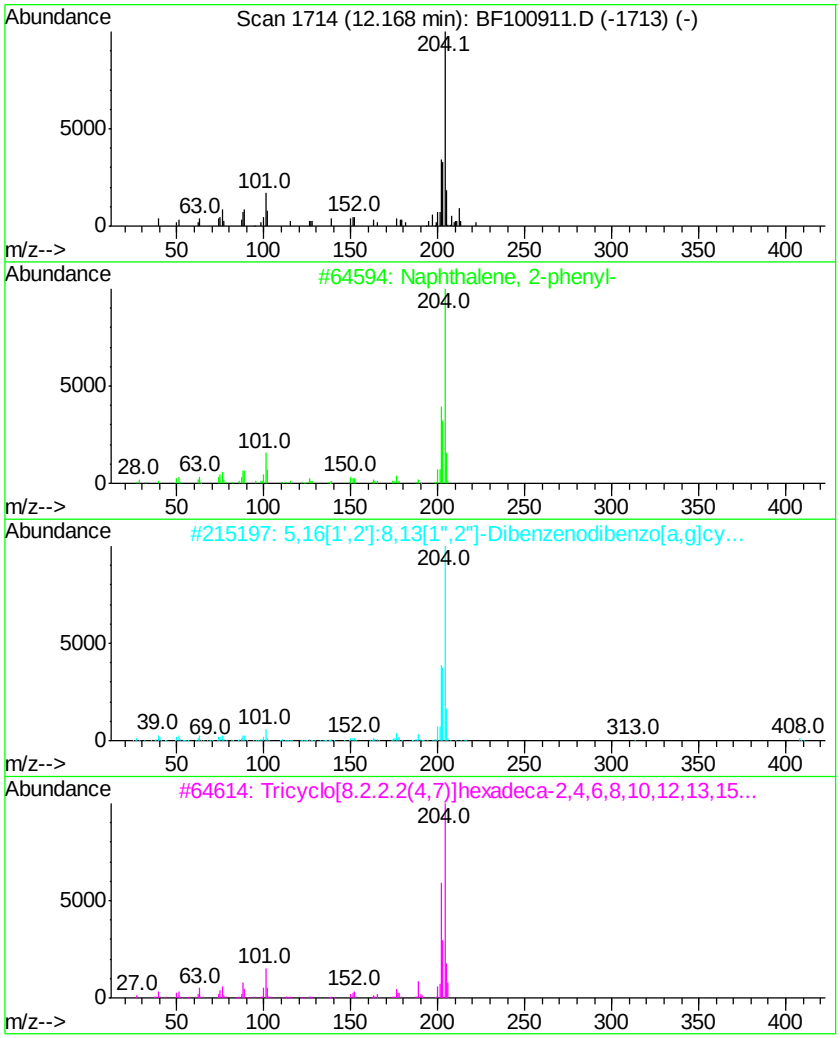
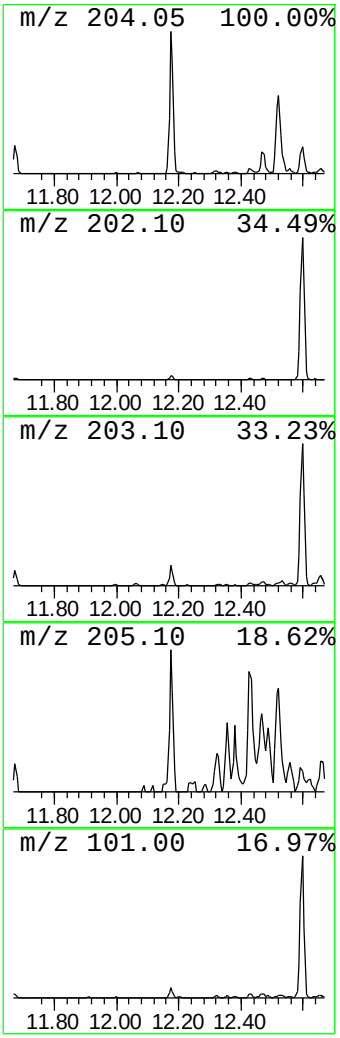
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	4.96 ng	118277	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

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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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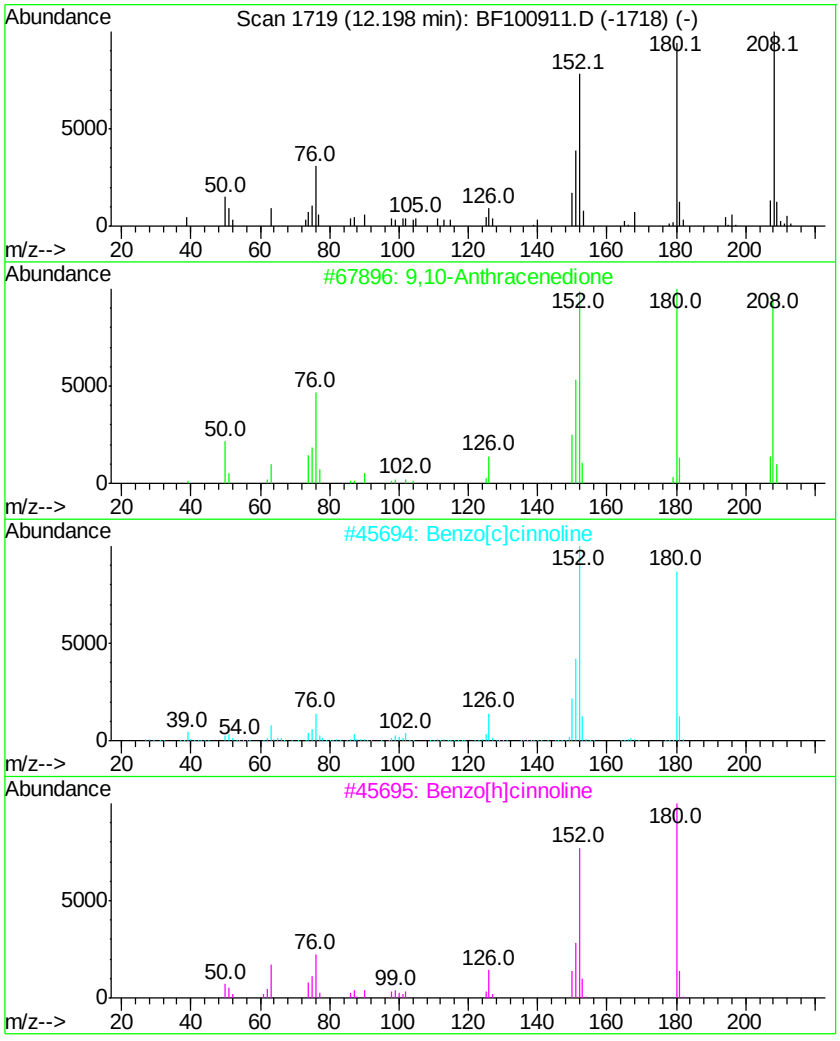
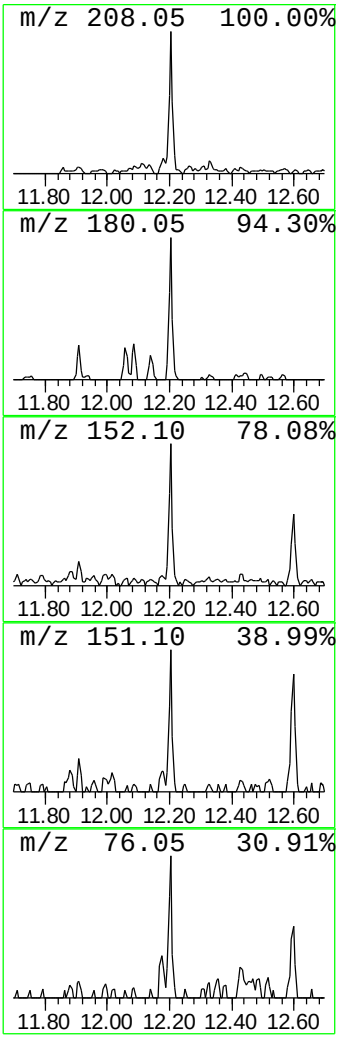
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.50 ng	83561	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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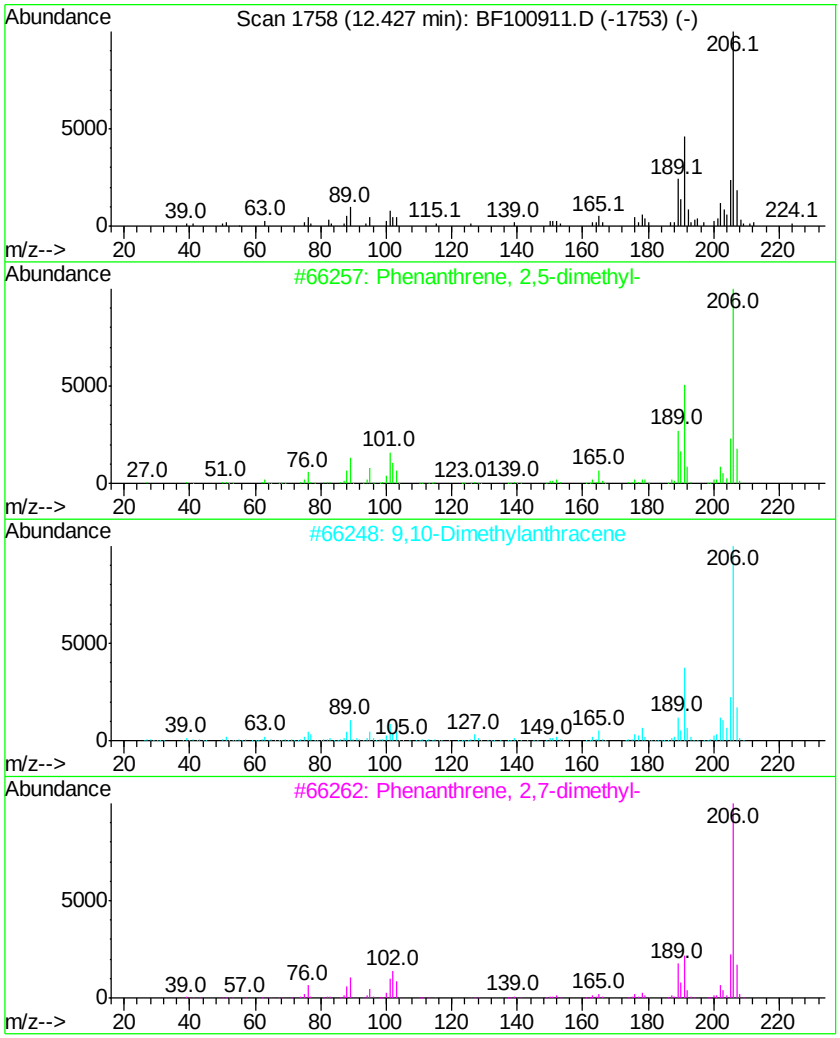
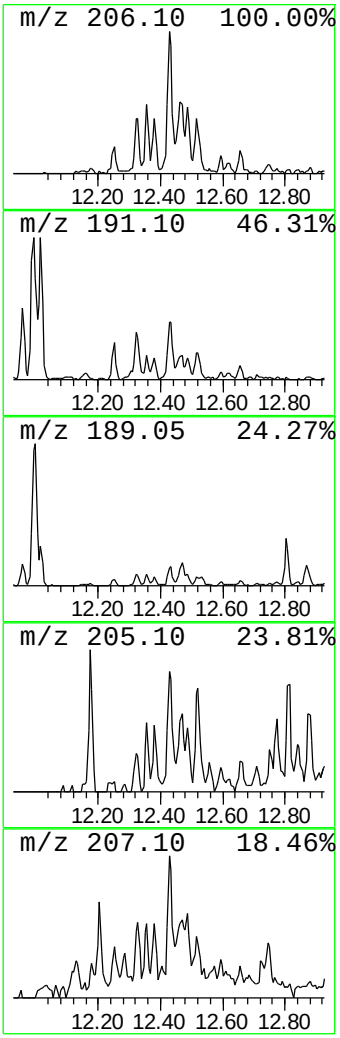
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	5.84 ng	139263	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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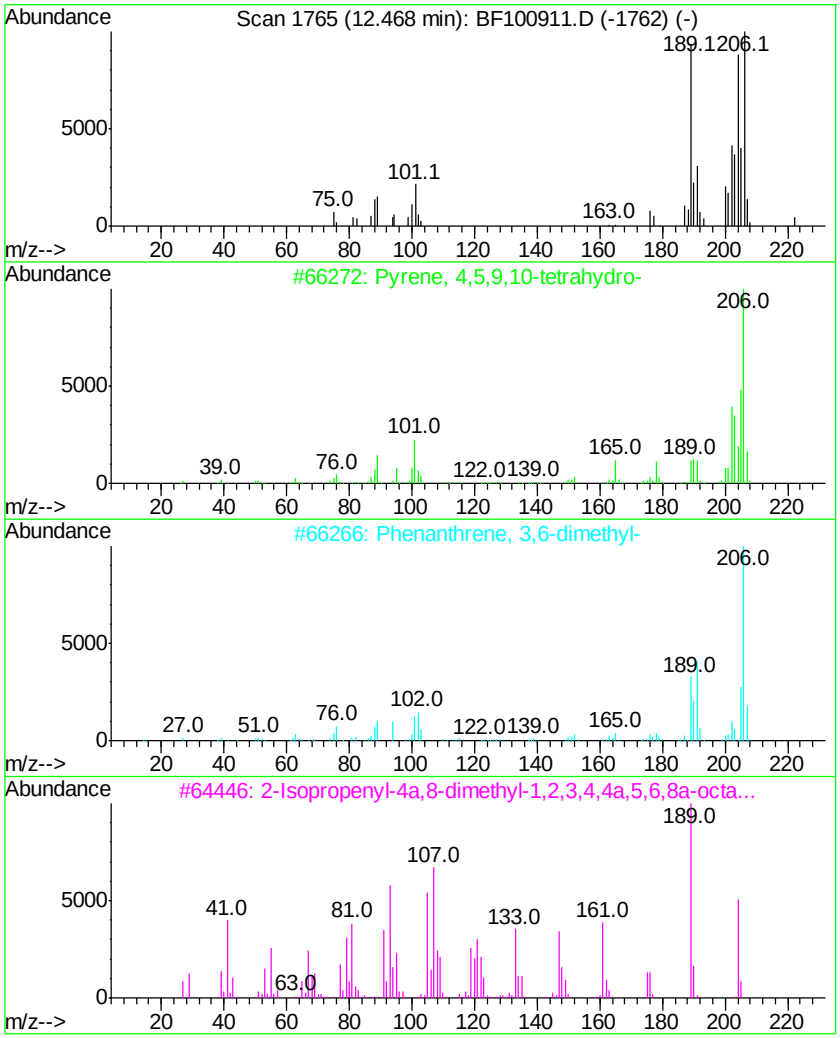
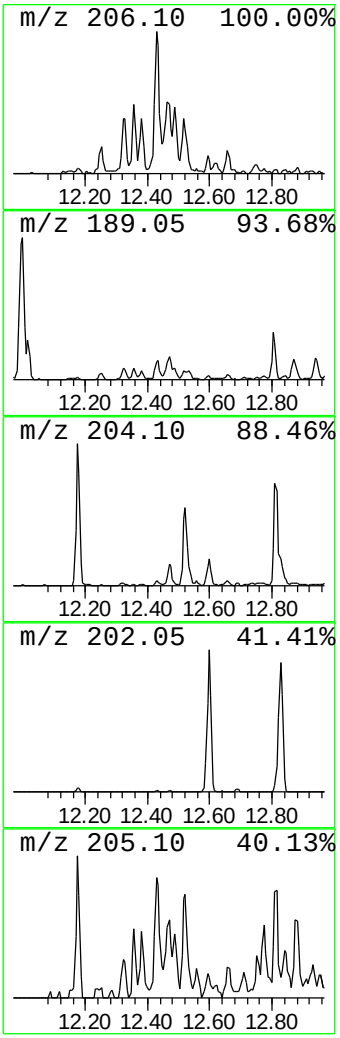
Peak Number 13 unknown12.47 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.12 ng	74351	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
3	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	30
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	25
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	25





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Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

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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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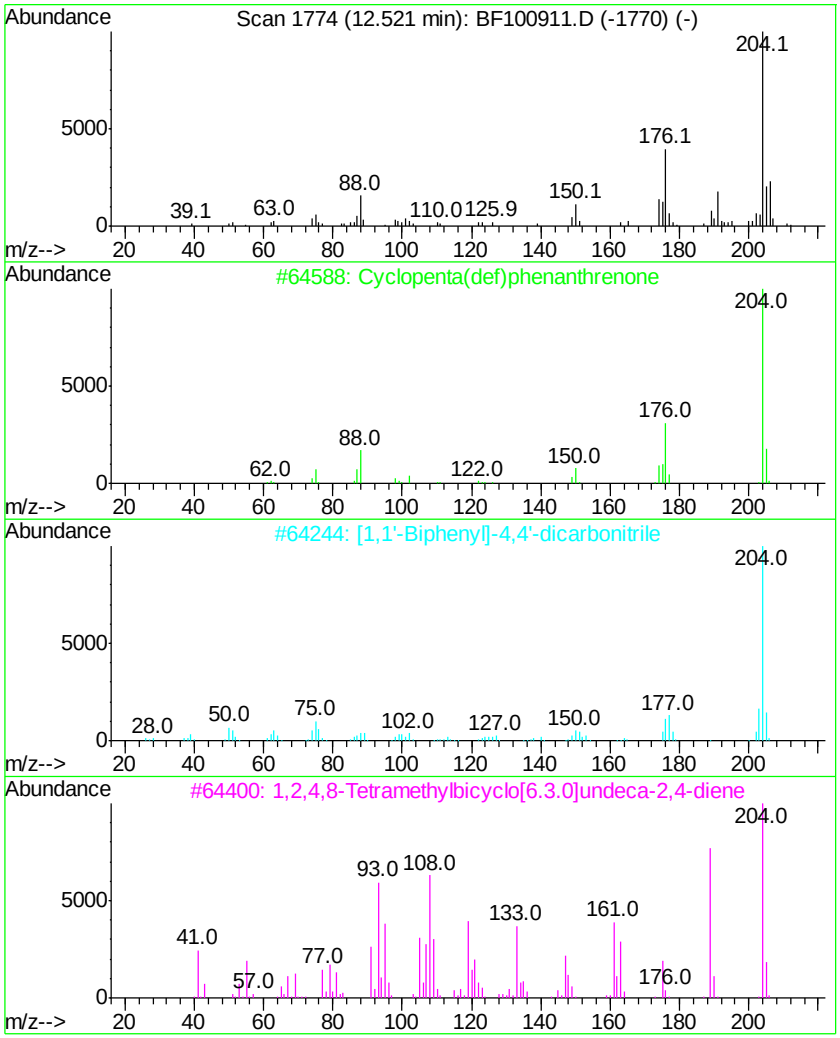
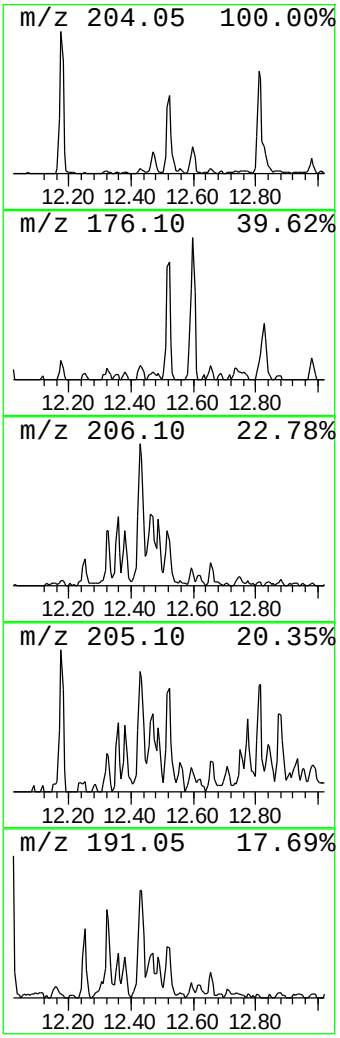
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.03 ng	120016	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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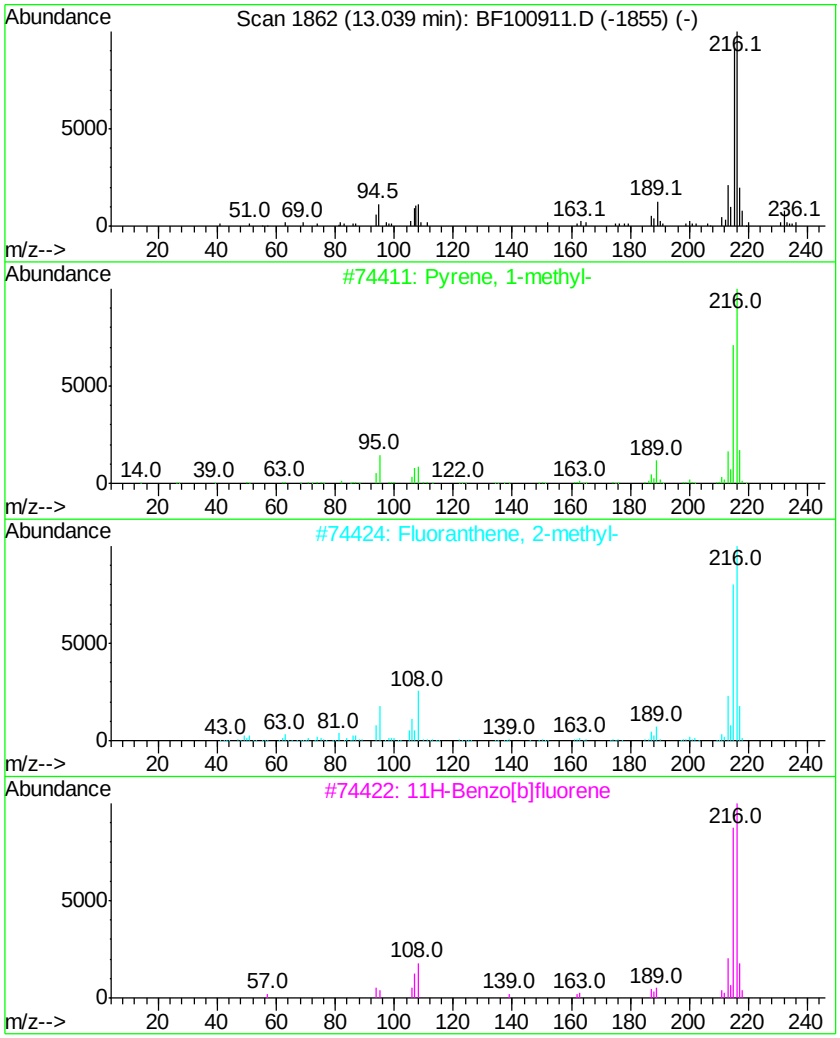
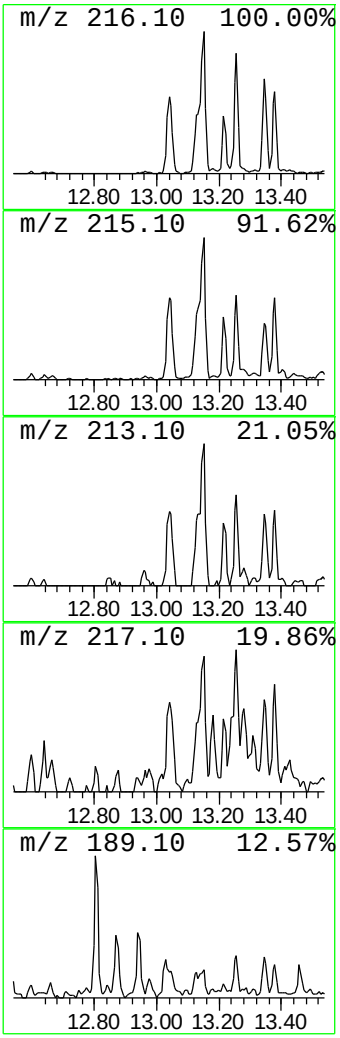
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	3.39 ng	170029	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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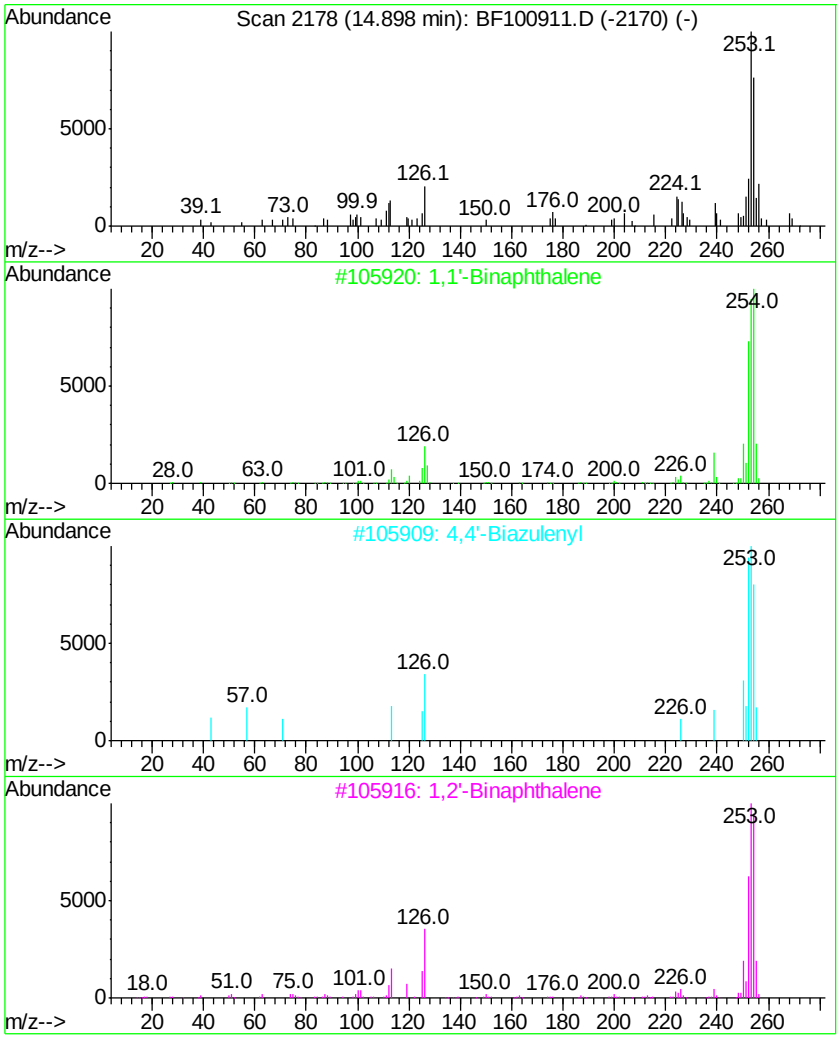
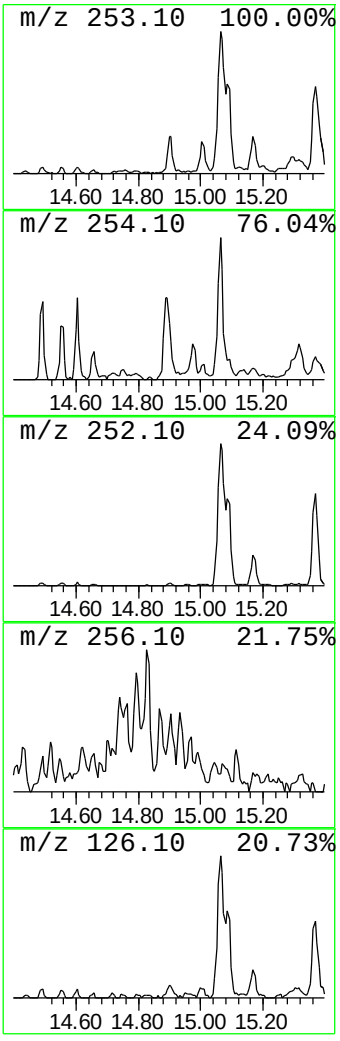
Peak Number 17 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	5.50 ng	103047	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	81
2	4,4'-Biazulenyl	254	C20H14	094053-54-0	76
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68





Library Search Compound Report

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Data File : BF100911.D
Acq On : 28 Nov 2017 00:39
Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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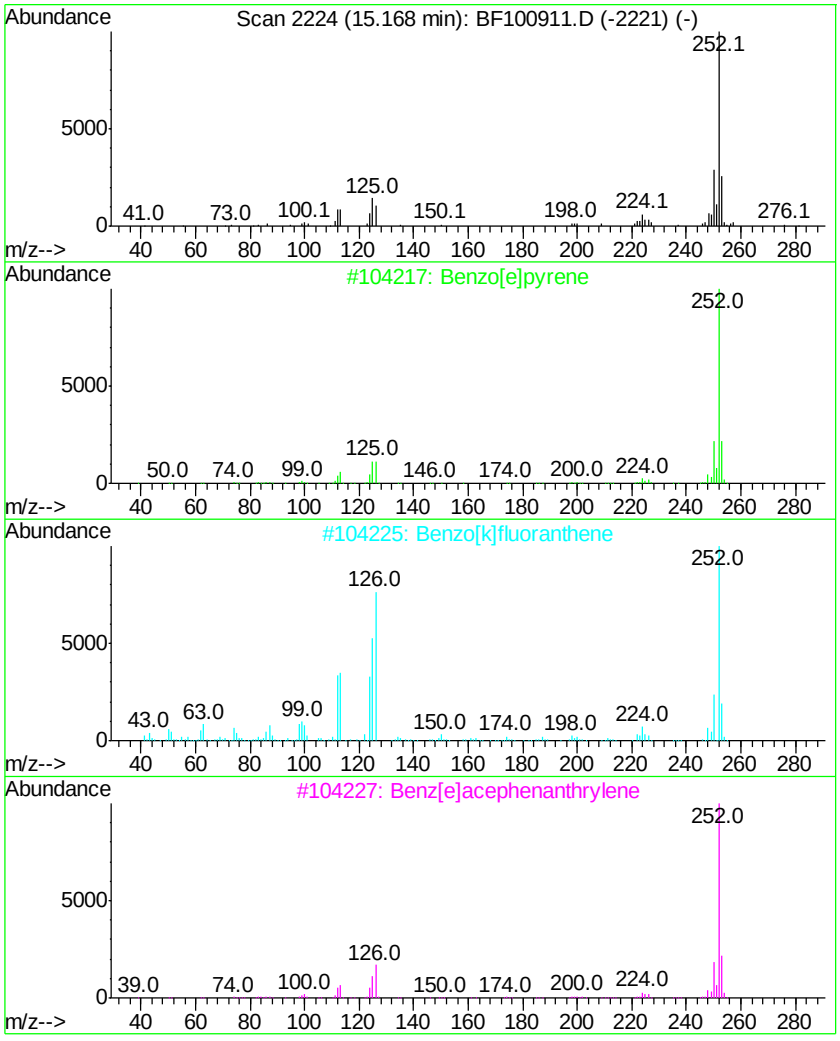
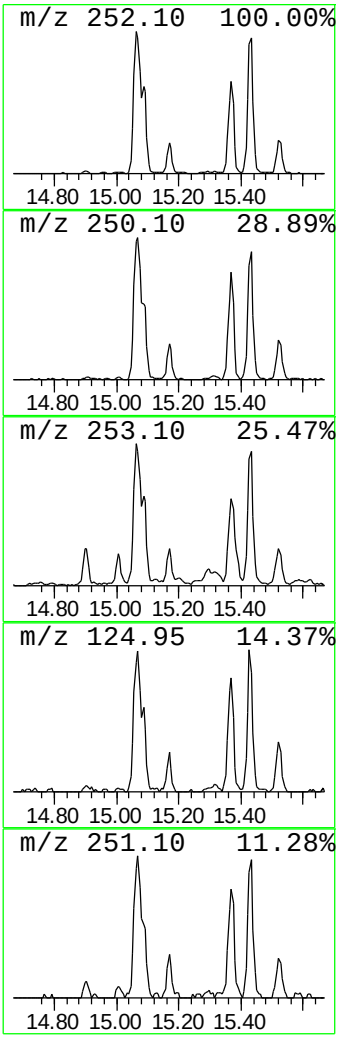
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	4.39 ng	82202	Perylene-d12	15.49

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	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	89





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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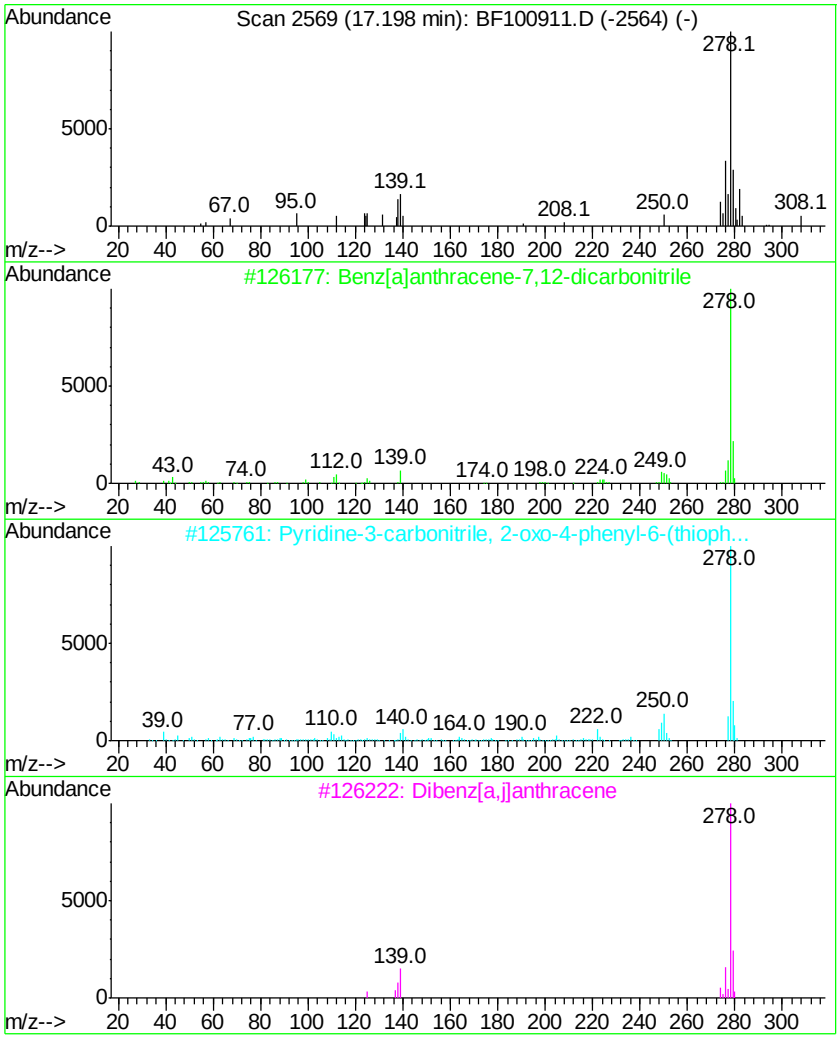
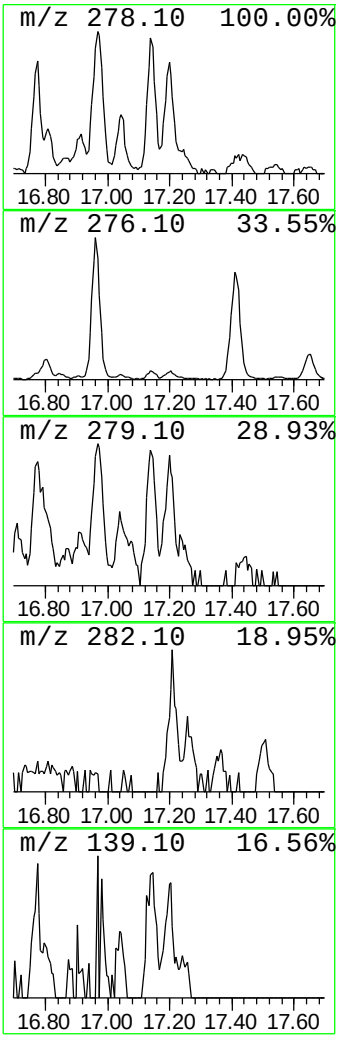
Peak Number 20 Benz[a]anthracene-7,12-dica... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.18 ng	59555	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	53
2	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	53
3	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	52
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	52
5	Benzo[b]naphtho[2,3-d]thiophene,...	278	C19H18S	024964-01-0	52





Tentatively Identified Compound (LSC) summary

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Data File : BF100911.D
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Operator : SJ/JU
Sample : I6548-02 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-3-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
unknown6.62	6.62	13.8	ng	251216	1	6.86	363923	20.0
9H-Fluoren-9-one	11.19	3.2	ng	76352	4	11.38	477167	20.0
Dibenzothiophene	11.27	3.2	ng	76766	4	11.38	477167	20.0
Phenanthrene, 2-m...	11.88	8.5	ng	203067	4	11.38	477167	20.0
Phenanthrene, 1-m...	11.99	13.2	ng	315193	4	11.38	477167	20.0
Anthracene, 9-met...	12.02	3.9	ng	91944	4	11.38	477167	20.0
Naphthalene, 2-ph...	12.17	5.0	ng	118277	4	11.38	477167	20.0
9,10-Anthracenedione	12.20	3.5	ng	83561	4	11.38	477167	20.0
Phenanthrene, 2,5...	12.43	5.8	ng	139263	4	11.38	477167	20.0
unknown12.47	12.47	3.1	ng	74351	4	11.38	477167	20.0
Cyclopenta(def)ph...	12.52	5.0	ng	120016	4	11.38	477167	20.0
Pyrene, 1-methyl-	13.04	3.4	ng	170029	5	14.02	1003640	20.0
1,1'-Binaphthalene	14.90	5.5	ng	103047	6	15.49	374634	20.0
Benzo[e]pyrene	15.17	4.4	ng	82202	6	15.49	374634	20.0
Benz[a]anthracene...	17.20	3.2	ng	59555	6	15.49	374634	20.0