LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100850.D
Acq On : 23 Nov 2017 3:28
Operator : SJ/JU
Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-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	5.069	504	507	513	rBB	22529	21993	3.07%	0.203%
2	5.469	571	575	583	rBB	373849	314704	43.95%	2.898%
3	6.480	743	747	756	rBB	401115	328347	45.86%	3.024%
4	6.622	768	771	775	rBV	394027	336358	46.98%	3.098%
5	6.857	807	811	815	rBV	542103	425447	59.42%	3.918%
6	7.010	834	837	841	rBB	287692	247250	34.53%	2.277%
7	7.416	902	906	909	rBV	246732	190047	26.54%	1.750%
8	8.139	1025	1029	1032	rBV	660731	552980	77.23%	5.093%
9	9.216	1208	1212	1215	rBV	393186	330665	46.18%	3.045%
10	9.551	1266	1269	1272	rBV	14332	12354	1.73%	0.114%
11	9.604	1276	1278	1282	rBV	31283	25353	3.54%	0.233%
12	9.816	1308	1314	1318	rBB2	11850	16258	2.27%	0.150%
13	9.898	1324	1328	1331	rBV	713762	577903	80.71%	5.322%
14	9.927	1331	1333	1336	rVB	67805	49852	6.96%	0.459%
15	10.098	1357	1362	1366	rVB	36064	30477	4.26%	0.281%
16	10.304	1393	1397	1398	rBV3	8858	12063	1.68%	0.111%
17	10.445	1417	1421	1426	rBB	63818	54050	7.55%	0.498%
18	10.510	1426	1432	1433	rBV2	13848	15543	2.17%	0.143%
19	10.598	1445	1447	1450	rVB	19141	14928	2.08%	0.137%
20	10.680	1458	1461	1465	rVB	242870	198519	27.73%	1.828%
21	10.992	1508	1514	1516	rBV4	18269	24296	3.39%	0.224%
22	11.186	1544	1547	1551	rVB	42162	33605	4.69%	0.309%
23	11.239	1551	1556	1558	rBV2	16207	20755	2.90%	0.191%
24	11.280	1560	1563	1568	rVB	33054	27786	3.88%	0.256%
25	11.386	1577	1581	1583	rBV	605468	571386	79.80%	5.262%
26	11.410	1583	1585	1588	rVV	758418	562677	78.58%	5.182%
27	11.457	1591	1593	1596	rVV	160637	122135	17.06%	1.125%
28	11.492	1596	1599	1602	rVV2	15372	12964	1.81%	0.119%
29	11.610	1613	1619	1627	rBV2	59557	70231	9.81%	0.647%
30	11.674	1627	1630	1634	rVV2	12806	15393	2.15%	0.142%
31	11.715	1634	1637	1642	rVB2	14389	14356	2.00%	0.132%
32	11.886	1662	1666	1668	rBV	90134	80132	11.19%	0.738%
33	11.910	1668	1670	1674	rVB	119557	103221	14.42%	0.951%
34	11.957	1675	1678	1681	rBV	40350	32493	4.54%	0.299%

LSC Area Percent Report

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Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.998	1681	1685	1687	rBV2	115312	129986	18.15%	1.197%
36	12.015	1687	1688	1693	rVB	65607	49302	6.89%	0.454%
37	12.180	1713	1716	1718	rBV	57980	44684	6.24%	0.412%
38	12.204	1718	1720	1724	rVB	45960	34515	4.82%	0.318%
39	12.327	1739	1741	1744	rBV2	20724	14879	2.08%	0.137%
40	12.433	1753	1759	1762	rBV	42086	50501	7.05%	0.465%
41	12.468	1762	1765	1767	rVV3	24700	29225	4.08%	0.269%
42	12.521	1771	1774	1779	rVB2	35925	40043	5.59%	0.369%
43	12.598	1783	1787	1790	rBV	656421	542218	75.73%	4.994%
44	12.657	1796	1797	1800	rVB2	14474	11468	1.60%	0.106%
45	12.751	1810	1813	1815	rVV	19213	19935	2.78%	0.184%
46	12.827	1819	1826	1831	rVV	547959	559199	78.10%	5.150%
47	12.874	1831	1834	1838	rVB2	25354	28993	4.05%	0.267%
48	12.962	1846	1849	1852	rBV	244453	184186	25.72%	1.696%
49	13.039	1857	1862	1866	rBV2	37643	56730	7.92%	0.522%
50	13.127	1874	1877	1878	rBV3	22958	21864	3.05%	0.201%
51	13.151	1878	1881	1884	rVB	57685	61422	8.58%	0.566%
52	13.215	1890	1892	1895	rBV	27897	23956	3.35%	0.221%
53	13.256	1895	1899	1901	rBV2	52798	51561	7.20%	0.475%
54	13.280	1901	1903	1906	rVB	12626	12017	1.68%	0.111%
55	13.351	1912	1915	1917	rBV	29263	24188	3.38%	0.223%
56	13.380	1917	1920	1923	rVB	35737	30277	4.23%	0.279%
57	13.462	1931	1934	1937	rVB3	13514	14290	2.00%	0.132%
58	13.527	1942	1945	1947	rBV2	13199	12827	1.79%	0.118%
59	13.556	1947	1950	1952	rVV3	12977	14223	1.99%	0.131%
60	13.656	1964	1967	1972	rVB	47839	52728	7.36%	0.486%
61	13.768	1982	1986	1989	rBV2	37668	51630	7.21%	0.476%
62	13.798	1989	1991	1993	rVV	46068	38922	5.44%	0.358%
63	13.827	1993	1996	1999	rVV2	32373	50374	7.04%	0.464%
64	13.868	2000	2003	2010	rVB2	58445	72817	10.17%	0.671%
65	13.945	2010	2016	2020	rBV3	8340	16157	2.26%	0.149%
66	14.021	2024	2029	2032	rVV2	545063	716024	100.00%	6.594%
67	14.051	2032	2034	2039	rVB	231772	204492	28.56%	1.883%
68	14.127	2045	2047	2049	rBV	27241	20493	2.86%	0.189%
69	14.168	2052	2054	2060	rVV7	13715	24634	3.44%	0.227%
70	14.251	2064	2068	2070	rVV2	21499	26682	3.73%	0.246%
71	14.280	2070	2073	2075	rVB4	13231	12343	1.72%	0.114%

LSC Area Percent Report

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Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.345	2080	2084	2086	rBV5	12765	16374	2.29%	0.151%
73	14.409	2091	2095	2097	rVB	50289	47243	6.60%	0.435%
74	14.445	2097	2101	2104	rBV2	27849	27856	3.89%	0.257%
75	14.533	2113	2116	2118	rBV2	28353	28930	4.04%	0.266%
76	14.556	2118	2120	2124	rVV4	25469	26805	3.74%	0.247%
77	14.603	2126	2128	2134	rVB3	27251	29322	4.10%	0.270%
78	14.721	2144	2148	2150	rBV4	21505	27790	3.88%	0.256%
79	14.798	2157	2161	2163	rBV4	16488	23825	3.33%	0.219%
80	14.892	2174	2177	2182	rBV2	17833	31347	4.38%	0.289%
81	14.968	2187	2190	2193	rBV5	16750	20546	2.87%	0.189%
82	15.062	2201	2206	2209	rBV	197991	306496	42.81%	2.823%
83	15.174	2222	2225	2227	rBV	40215	40335	5.63%	0.371%
84	15.262	2237	2240	2241	rBV3	14844	14701	2.05%	0.135%
85	15.368	2254	2258	2264	rVB	116476	165647	23.13%	1.526%
86	15.433	2264	2269	2275	rBV	179657	223351	31.19%	2.057%
87	15.498	2275	2280	2283	rBV	364792	461747	64.49%	4.253%
88	15.527	2283	2285	2292	rVB2	57520	75016	10.48%	0.691%
89	15.715	2313	2317	2319	rBV4	12494	18906	2.64%	0.174%
90	15.809	2330	2333	2335	rBV4	11948	14139	1.97%	0.130%
91	15.850	2338	2340	2346	rVB6	11810	17617	2.46%	0.162%
92	15.980	2359	2362	2365	rBV2	10272	14059	1.96%	0.129%
93	16.056	2372	2375	2380	rVB7	13584	19364	2.70%	0.178%
94	16.197	2394	2399	2406	rVB9	23511	46571	6.50%	0.429%
95	16.633	2469	2473	2479	rVB8	17140	26827	3.75%	0.247%
96	16.968	2524	2530	2539	rBV2	81417	154828	21.62%	1.426%
97	17.144	2557	2560	2564	rVB4	11926	15697	2.19%	0.145%
98	17.203	2568	2570	2575	rVB4	16515	24098	3.37%	0.222%
99	17.415	2600	2606	2614	rVB	60030	118595	16.56%	1.092%
100	17.656	2643	2647	2656	rVB4	11919	23630	3.30%	0.218%

Sum of corrected areas: 10857968

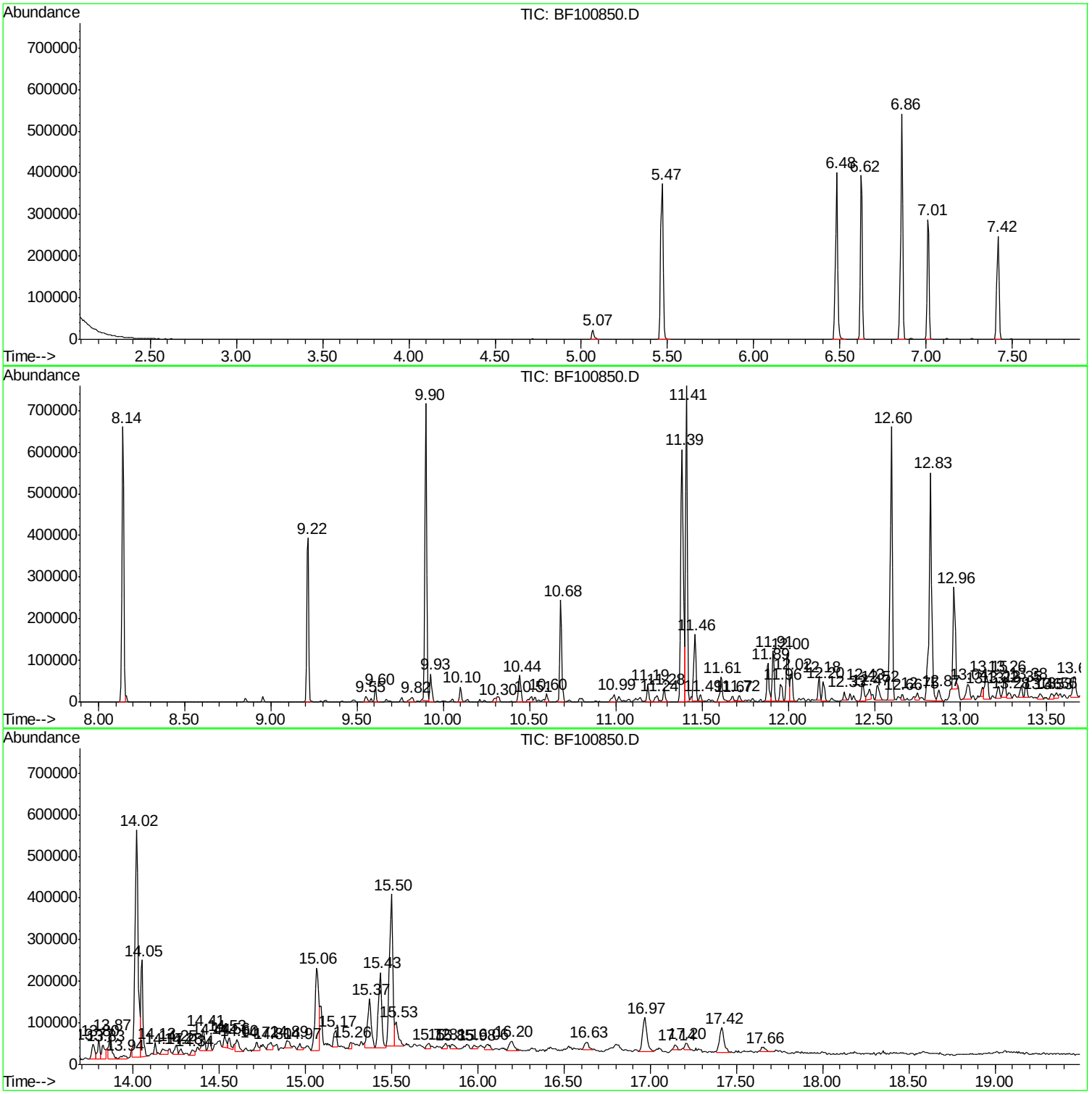
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100850.D
Acq On : 23 Nov 2017 3:28
Operator : SJ/JU
Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAU-1-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\BF112217\
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Operator : SJ/JU
Sample : I6548-04 5X
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

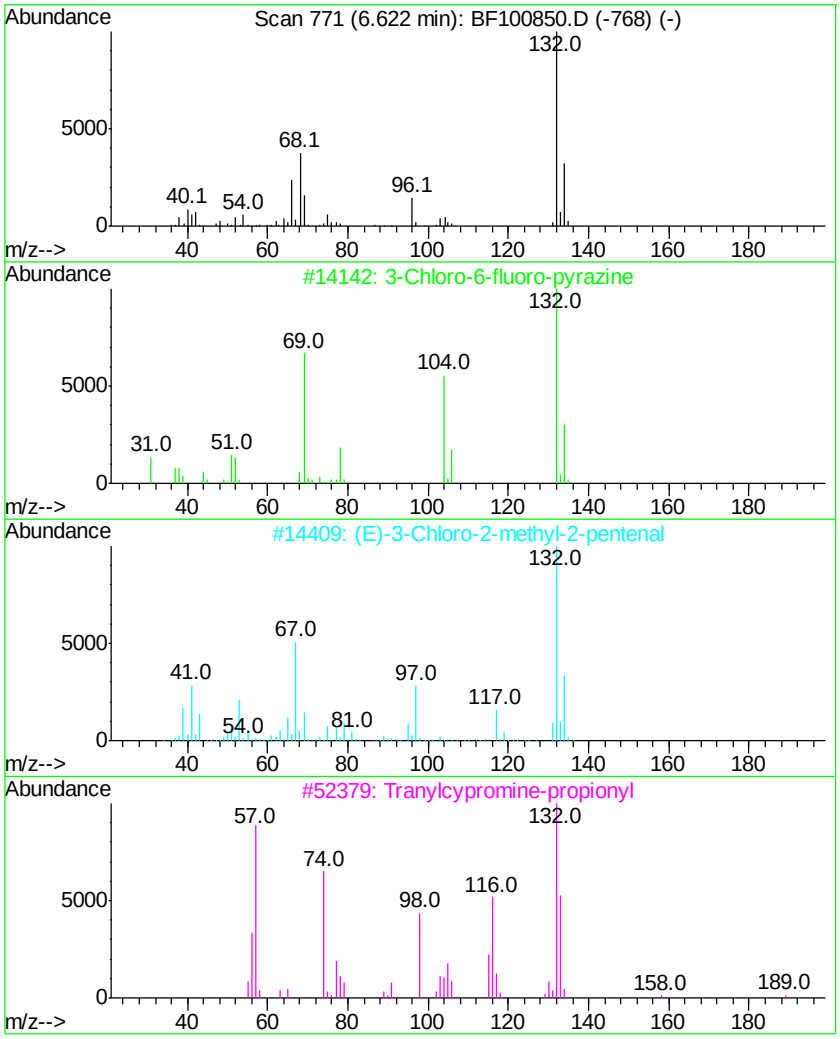
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

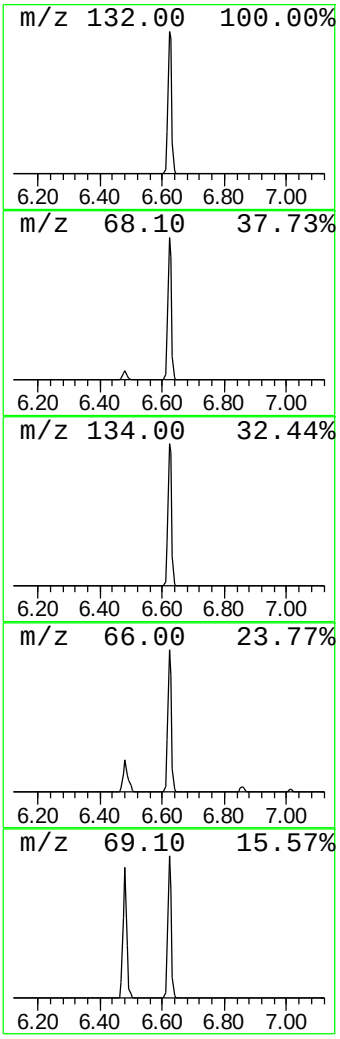
****

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	15.81 ng	336358	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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ClientSampleId : SAU-1-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
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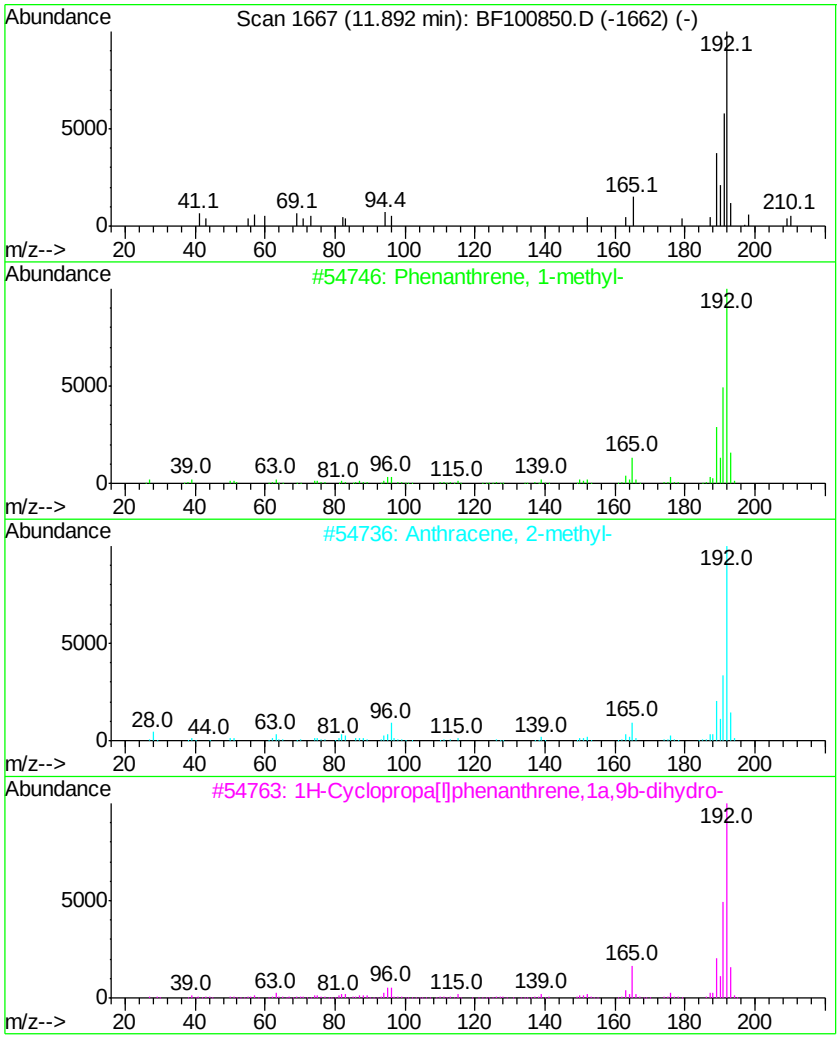
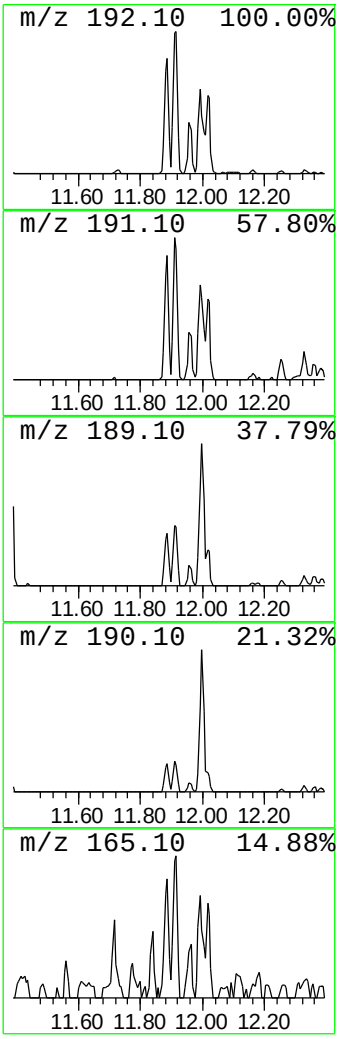
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.80 ng	80132	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Instrument : BNA_F
ClientSampleId : SAU-1-E(7-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
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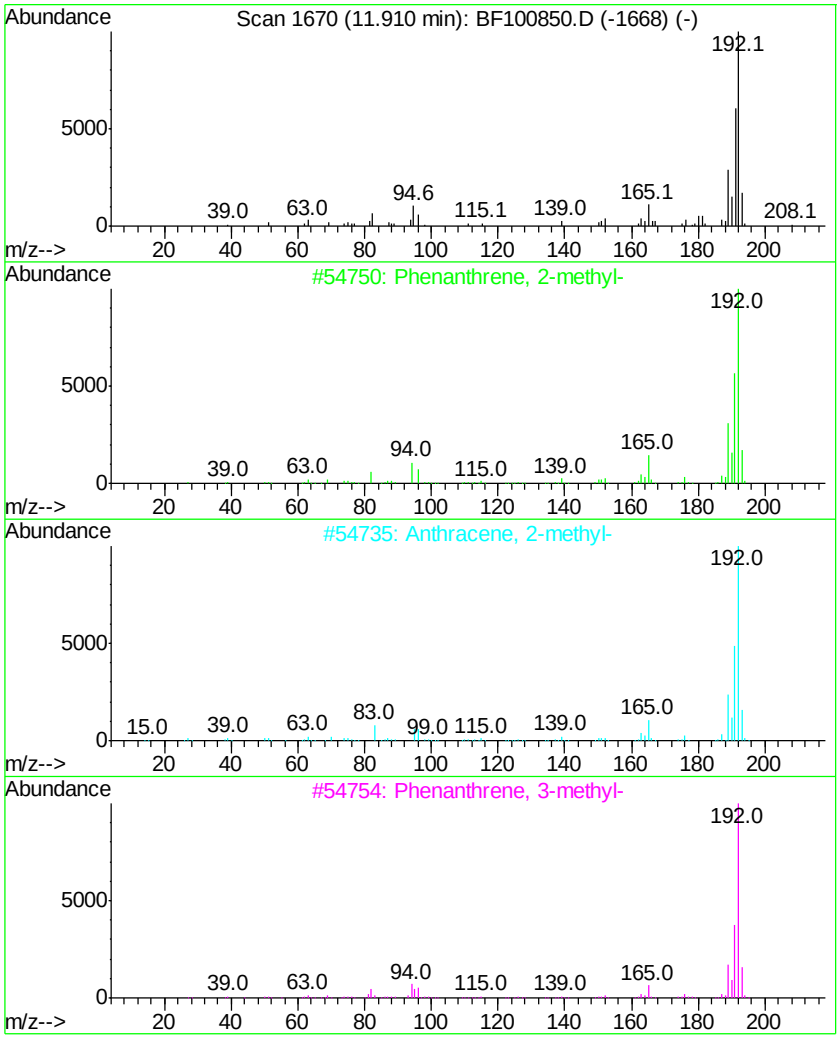
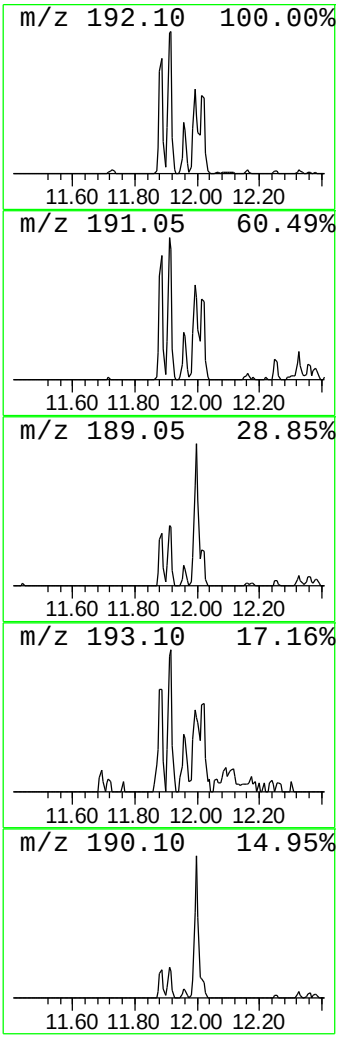
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.61 ng	103221	Phenanthrene-d10	11.39

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	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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

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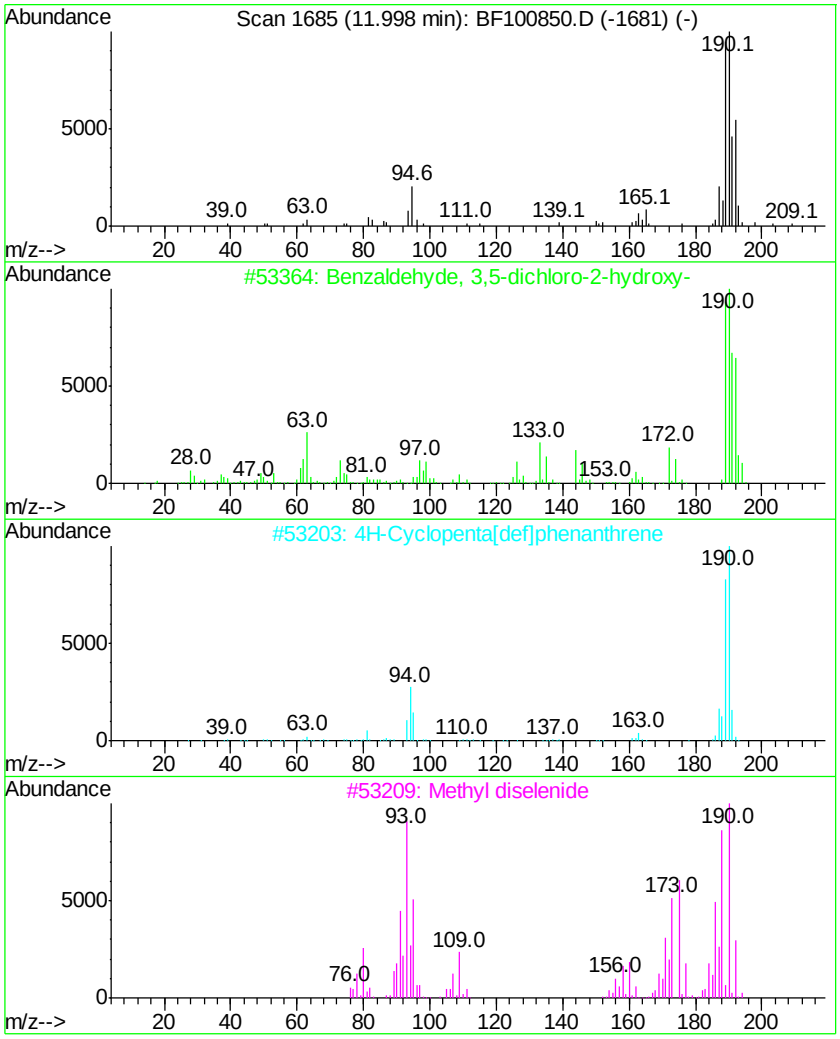
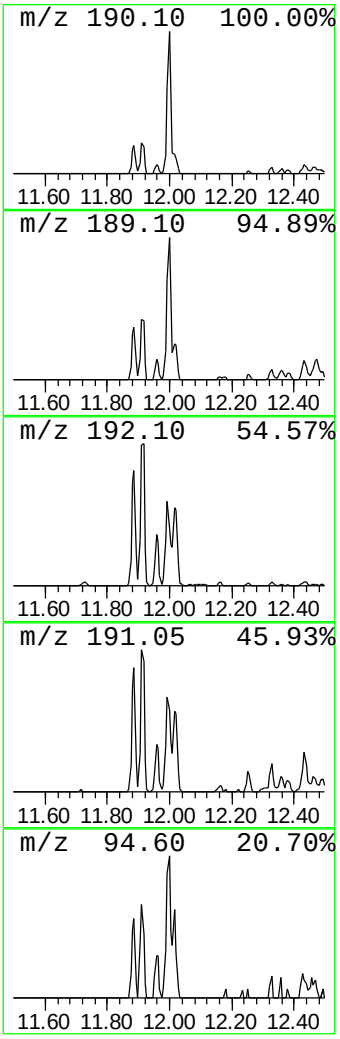
Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.55 ng	129986	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	14





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-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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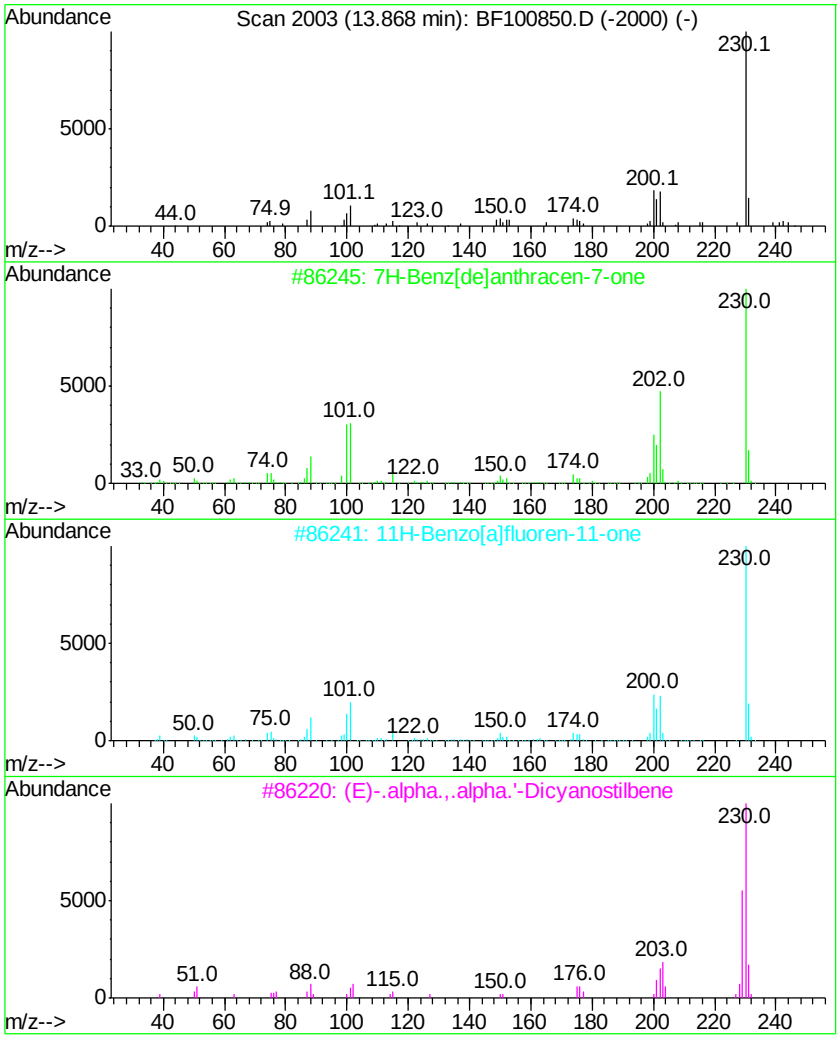
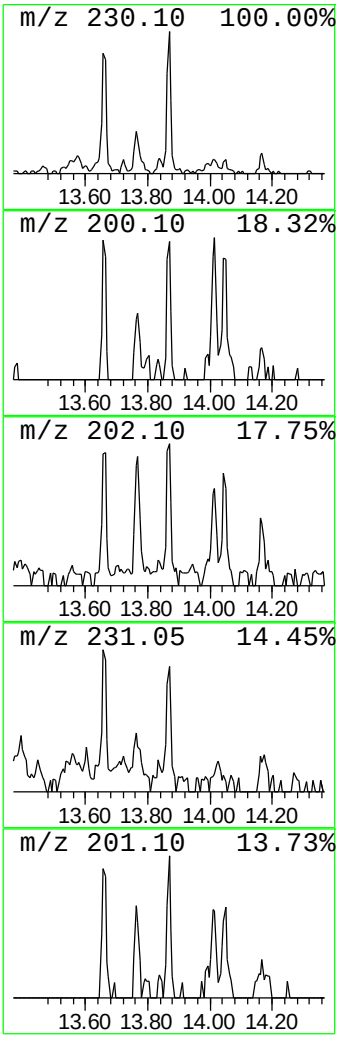
Peak Number 6 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.03 ng	72817	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	59





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Data File : BF100850.D
Acq On : 23 Nov 2017 3:28
Operator : SJ/JU
Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-E(7-8)

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

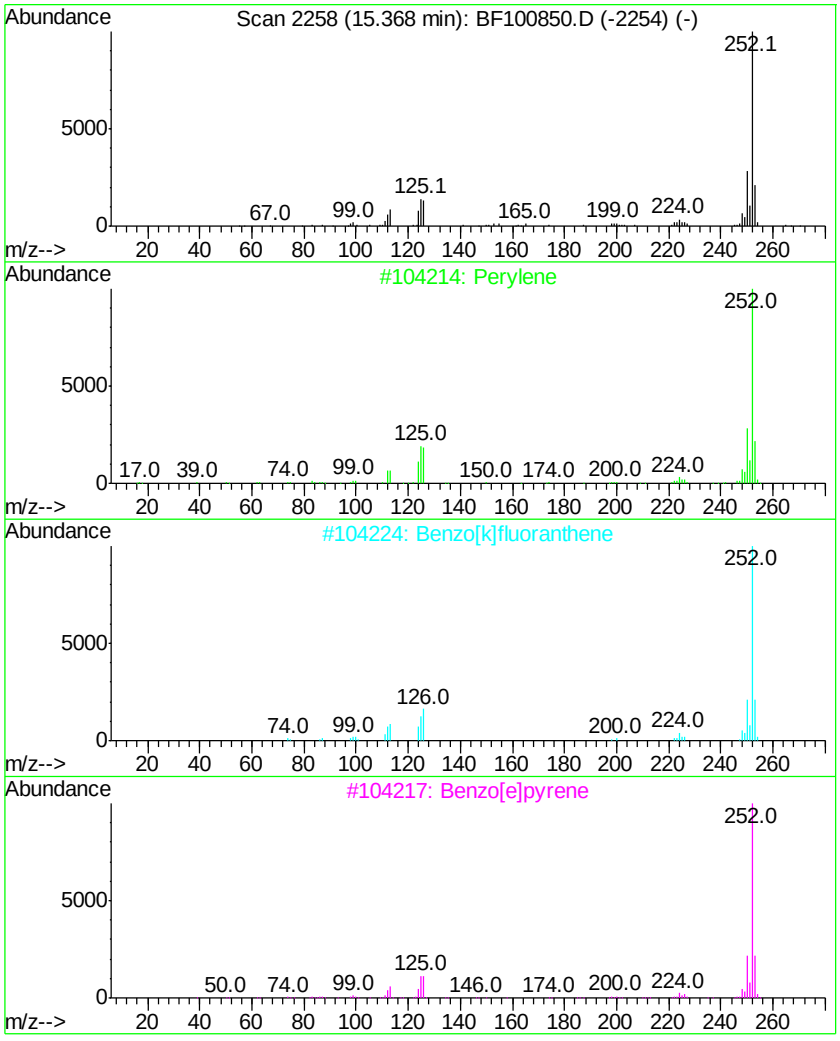
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

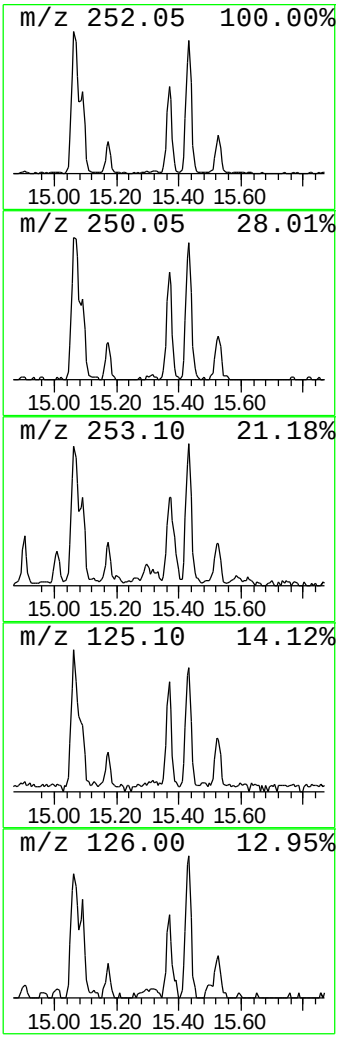
****

Peak Number 7 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	7.17 ng	165647	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	98
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100850.D
Acq On : 23 Nov 2017 3:28
Operator : SJ/JU
Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-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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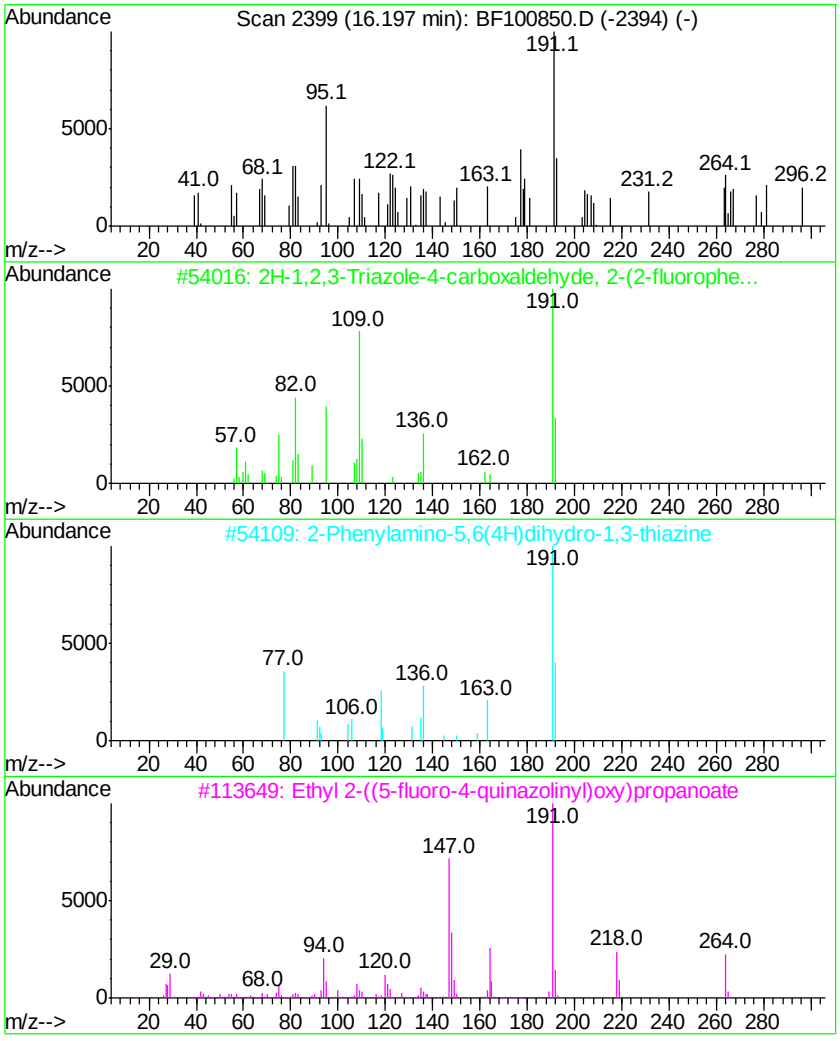
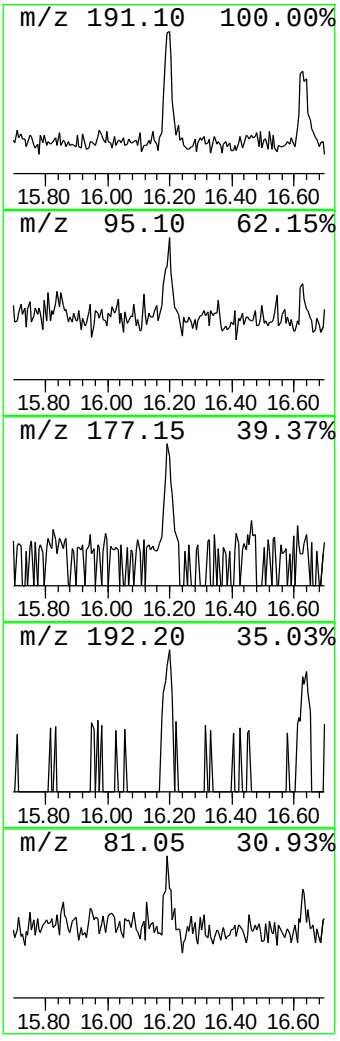
Peak Number 8 unknown16.20 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.02 ng	46571	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	27
2	2-Phenylamino-5,6(4H)dihydro-1,3...	192	C10H12N2S	1000147-35-4	25
3	Ethyl 2-((5-fluoro-4-quinazolinyl...	264	C13H13FN2O3	1000332-11-2	22
4	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	22
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112217\
Data File : BF100850.D
Acq On : 23 Nov 2017 3:28
Operator : SJ/JU
Sample : I6548-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAU-1-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	15.8	ng	336358	1	6.86	425447	20.0
Phenanthrene, 1-m...	11.89	2.8	ng	80132	4	11.39	571386	20.0
Phenanthrene, 2-m...	11.91	3.6	ng	103221	4	11.39	571386	20.0
Benzaldehyde, 3,5...	12.00	4.5	ng	129986	4	11.39	571386	20.0
7H-Benz[de]anthra...	13.87	2.0	ng	72817	5	14.02	716024	20.0
Perylene	15.37	7.2	ng	165647	6	15.50	461747	20.0
unknown16.20	16.20	2.0	ng	46571	6	15.50	461747	20.0