LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
Data File : BF100746.D
Acq On : 20 Nov 2017 22:34
Operator : SJ/JU
Sample : I6304-16 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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	5.081	506	509	516	rBB	30402	30143	2.82%	0.198%
2	5.475	572	576	580	rBV	515669	451361	42.23%	2.960%
3	6.487	744	748	760	rBB	586462	468424	43.83%	3.072%
4	6.634	769	773	777	rBV	612575	493082	46.14%	3.233%
5	6.869	809	813	817	rBV	677670	564189	52.79%	3.700%
6	7.022	836	839	843	rBV	431214	383716	35.90%	2.516%
7	7.428	904	908	911	rBV	365919	283437	26.52%	1.859%
8	8.151	1027	1031	1034	rBV	893070	734744	68.75%	4.818%
9	8.175	1034	1035	1039	rVB	35306	16479	1.54%	0.108%
10	8.863	1149	1152	1157	rBB	25433	19217	1.80%	0.126%
11	8.963	1166	1169	1172	rBB	20553	15332	1.43%	0.101%
12	9.222	1210	1213	1217	rBV	666645	576690	53.96%	3.782%
13	9.492	1255	1259	1263	rBB2	10969	12919	1.21%	0.085%
14	9.563	1267	1271	1274	rBV	21803	21232	1.99%	0.139%
15	9.616	1278	1280	1288	rVB	31700	30630	2.87%	0.201%
16	9.769	1303	1306	1309	rBV	34273	28540	2.67%	0.187%
17	9.833	1313	1317	1320	rVB	22328	18495	1.73%	0.121%
18	9.910	1326	1330	1333	rBV	857266	762417	71.34%	4.999%
19	9.939	1333	1335	1338	rVB	112633	81178	7.60%	0.532%
20	10.110	1359	1364	1368	rVV	71938	62487	5.85%	0.410%
21	10.328	1399	1401	1404	rVB	25167	19419	1.82%	0.127%
22	10.451	1419	1422	1427	rBV	145202	123044	11.51%	0.807%
23	10.610	1446	1449	1452	rVB	22569	16389	1.53%	0.107%
24	10.692	1460	1463	1469	rVB	360929	299897	28.06%	1.967%
25	10.804	1479	1482	1483	rBV	17538	14916	1.40%	0.098%
26	10.998	1510	1515	1518	rBV2	24996	30100	2.82%	0.197%
27	11.128	1532	1537	1539	rBV2	11860	13419	1.26%	0.088%
28	11.198	1546	1549	1552	rVB2	12850	12515	1.17%	0.082%
29	11.245	1552	1557	1560	rBV3	14103	22059	2.06%	0.145%
30	11.286	1560	1564	1570	rVB	40329	38449	3.60%	0.252%
31	11.392	1578	1582	1584	rBV	777115	685711	64.16%	4.496%
32	11.416	1584	1586	1590	rVV	747620	594318	55.61%	3.897%
33	11.469	1590	1595	1598	rVV	215159	181988	17.03%	1.193%
34	11.622	1618	1621	1624	rBV	52186	42688	3.99%	0.280%

LSC Area Percent Report

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Sample : I6304-16 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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	11.686	1629	1632	1635	rVV2	12608	14096	1.32%	0.092%
36	11.722	1635	1638	1643	rVB4	12911	15055	1.41%	0.099%
37	11.892	1661	1667	1670	rBV	69043	67996	6.36%	0.446%
38	11.922	1670	1672	1676	rVV	98985	76072	7.12%	0.499%
39	11.969	1676	1680	1683	rVV	44745	38556	3.61%	0.253%
40	12.004	1683	1686	1689	rVV	136047	148068	13.85%	0.971%
41	12.027	1689	1690	1693	rVB	45343	24457	2.29%	0.160%
42	12.186	1714	1717	1719	rBV	54528	43094	4.03%	0.283%
43	12.210	1719	1721	1724	rVB2	20369	18469	1.73%	0.121%
44	12.369	1745	1748	1750	rVV	15587	12584	1.18%	0.083%
45	12.439	1756	1760	1763	rBV	36521	38705	3.62%	0.254%
46	12.480	1763	1767	1769	rVV3	26215	34441	3.22%	0.226%
47	12.527	1772	1775	1780	rVB2	31260	32864	3.08%	0.216%
48	12.604	1785	1788	1792	rBV	862484	798960	74.76%	5.239%
49	12.669	1797	1799	1801	rVB2	17106	12846	1.20%	0.084%
50	12.698	1801	1804	1806	rBV	16511	14037	1.31%	0.092%
51	12.757	1811	1814	1817	rBV2	28347	22063	2.06%	0.145%
52	12.833	1821	1827	1833	rBV	723057	791579	74.07%	5.191%
53	12.880	1833	1835	1840	rVB2	34493	37235	3.48%	0.244%
54	12.951	1844	1847	1848	rBV	41892	35602	3.33%	0.233%
55	12.974	1848	1851	1854	rVV	416703	382354	35.78%	2.507%
56	13.051	1858	1864	1867	rBV2	45104	79337	7.42%	0.520%
57	13.133	1875	1878	1880	rBV3	33642	39085	3.66%	0.256%
58	13.157	1880	1882	1886	rVB	115232	110279	10.32%	0.723%
59	13.198	1886	1889	1891	rBV3	12875	18644	1.74%	0.122%
60	13.227	1891	1894	1896	rBV	109089	83071	7.77%	0.545%
61	13.263	1896	1900	1903	rBV2	62042	63433	5.94%	0.416%
62	13.292	1903	1905	1908	rVB2	19161	16015	1.50%	0.105%
63	13.321	1908	1910	1913	rBV2	17658	15381	1.44%	0.101%
64	13.357	1913	1916	1919	rBV	35283	24513	2.29%	0.161%
65	13.386	1919	1921	1924	rBV	29480	30946	2.90%	0.203%
66	13.539	1944	1947	1949	rBV4	17646	24108	2.26%	0.158%
67	13.639	1961	1964	1966	rBV4	22443	25345	2.37%	0.166%
68	13.663	1966	1968	1973	rVB	39128	46635	4.36%	0.306%
69	13.757	1981	1984	1986	rBV	37115	43831	4.10%	0.287%
70	13.780	1986	1988	1990	rVV	63452	59621	5.58%	0.391%
71	13.810	1990	1993	1995	rVV	61313	62534	5.85%	0.410%

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.833	1995	1997	2001	rVV2	56912	82177	7.69%	0.539%
73	13.874	2001	2004	2012	rVB3	52324	68370	6.40%	0.448%
74	13.951	2014	2017	2022	rBV	16542	21888	2.05%	0.144%
75	14.033	2022	2031	2033	rBV2	741202	1068717	100.00%	7.008%
76	14.057	2033	2035	2040	rVB	374821	325730	30.48%	2.136%
77	14.133	2045	2048	2051	rVV2	78425	84307	7.89%	0.553%
78	14.174	2052	2055	2060	rVV2	33823	57994	5.43%	0.380%
79	14.221	2060	2063	2065	rVV2	30951	32571	3.05%	0.214%
80	14.257	2065	2069	2072	rVV3	34816	52083	4.87%	0.342%
81	14.351	2083	2085	2088	rBV2	14786	16213	1.52%	0.106%
82	14.380	2088	2090	2091	rVV	21446	15627	1.46%	0.102%
83	14.416	2093	2096	2099	rVB	65651	66751	6.25%	0.438%
84	14.451	2099	2102	2106	rBV	41761	40060	3.75%	0.263%
85	14.510	2106	2112	2115	rBV3	46692	82121	7.68%	0.539%
86	14.539	2115	2117	2119	rVV	44950	41906	3.92%	0.275%
87	14.563	2119	2121	2123	rVB2	51492	37337	3.49%	0.245%
88	14.974	2188	2191	2195	rBV6	20067	33636	3.15%	0.221%
89	15.074	2203	2208	2211	rBV	336133	533254	49.90%	3.497%
90	15.139	2215	2219	2222	rVV4	27812	50554	4.73%	0.332%
91	15.180	2223	2226	2230	rVB	80537	82152	7.69%	0.539%
92	15.380	2256	2260	2265	rVB	191694	241580	22.60%	1.584%
93	15.439	2266	2270	2276	rBV	283167	367186	34.36%	2.408%
94	15.510	2276	2282	2285	rBV	472842	655251	61.31%	4.297%
95	16.210	2398	2401	2410	rVB9	39746	75671	7.08%	0.496%
96	16.645	2472	2475	2480	rVB5	34484	47031	4.40%	0.308%
97	16.980	2527	2532	2540	rVB2	120565	244214	22.85%	1.601%
98	17.057	2541	2545	2551	rVB6	24215	47287	4.42%	0.310%
99	17.221	2570	2573	2581	rVB7	21453	48207	4.51%	0.316%
100	17.427	2603	2608	2619	rVB	77779	178493	16.70%	1.170%

Sum of corrected areas: 15249903

LSC Report - Integrated Chromatogram

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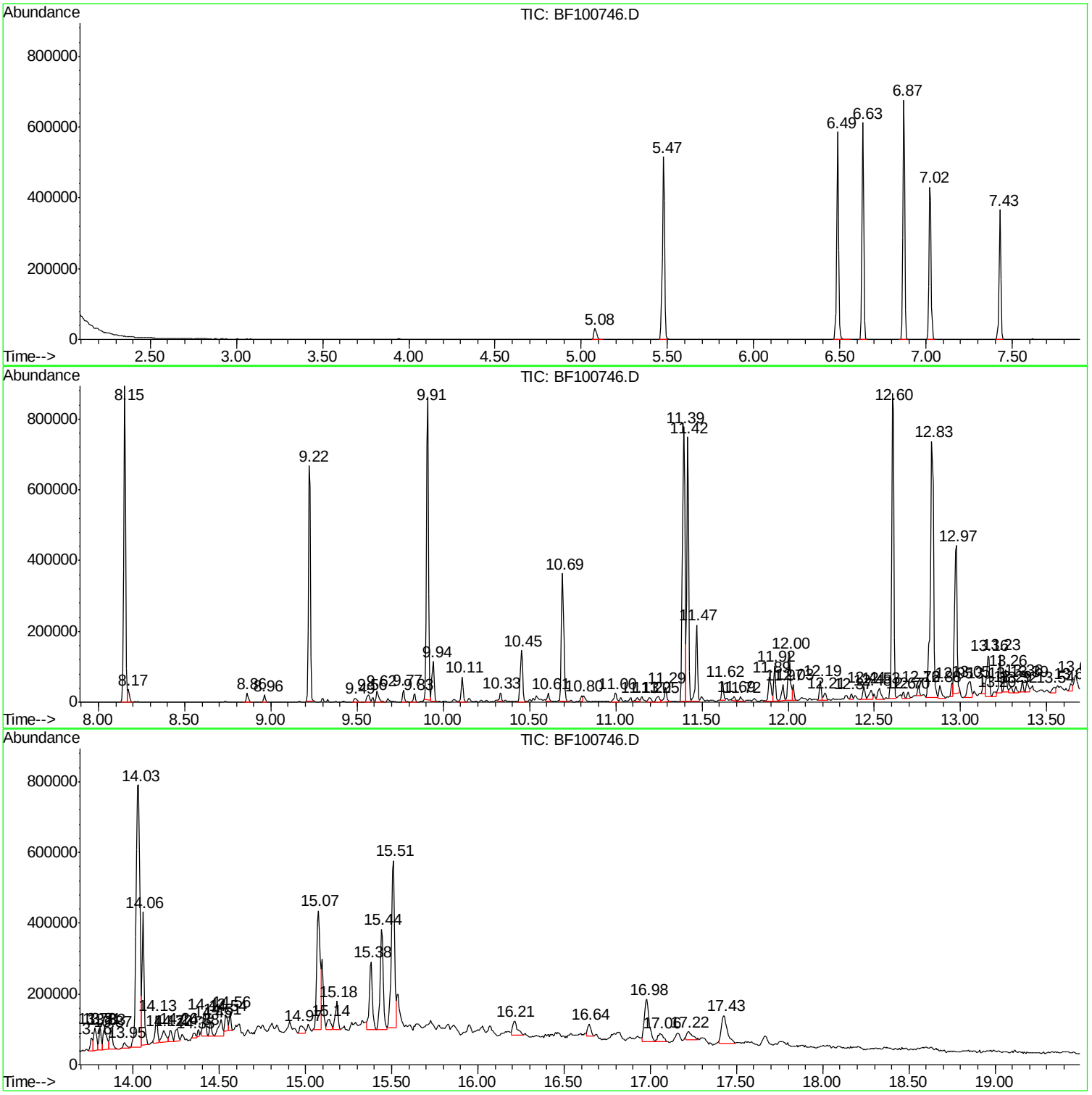
Sample : I6304-16 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
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Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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

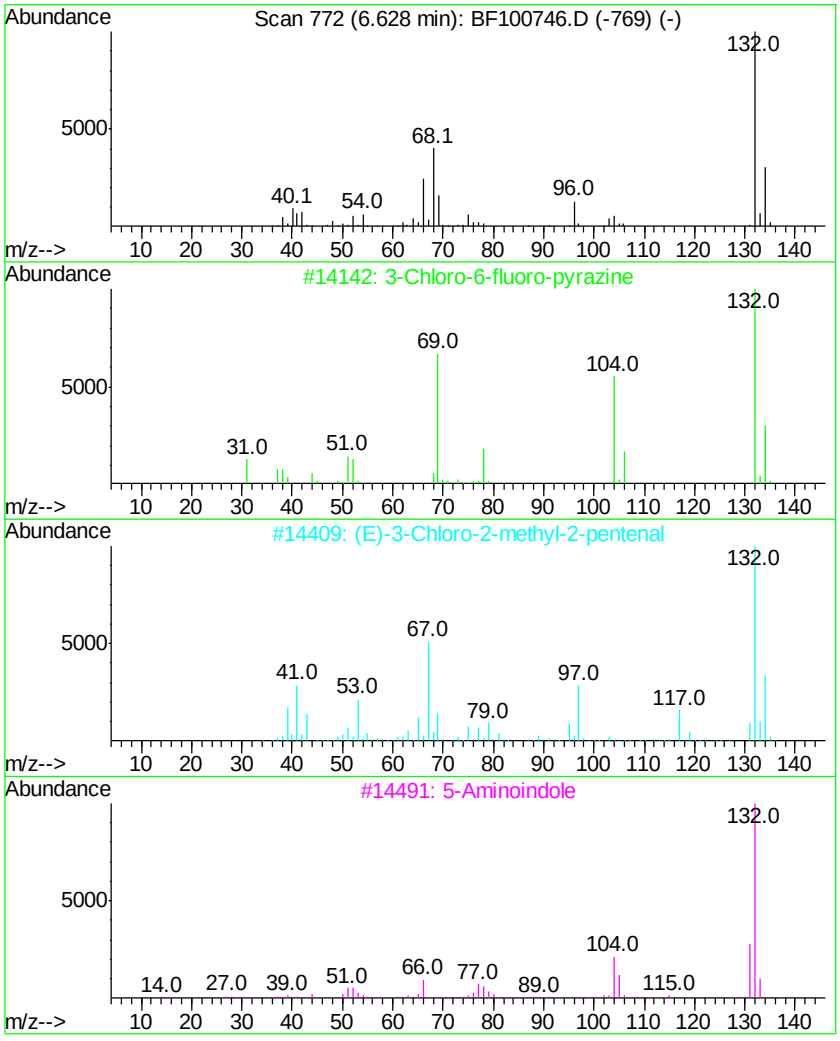
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

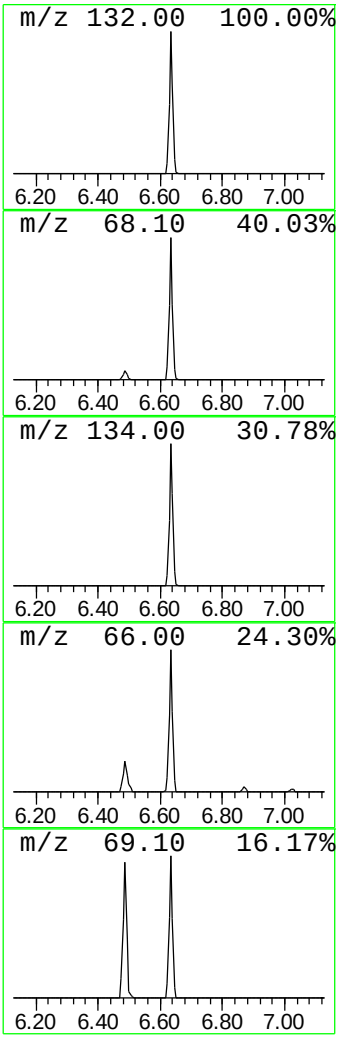
****

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	17.48 ng	493082	1,4-Dichlorobenzene-d4	6.87

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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

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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
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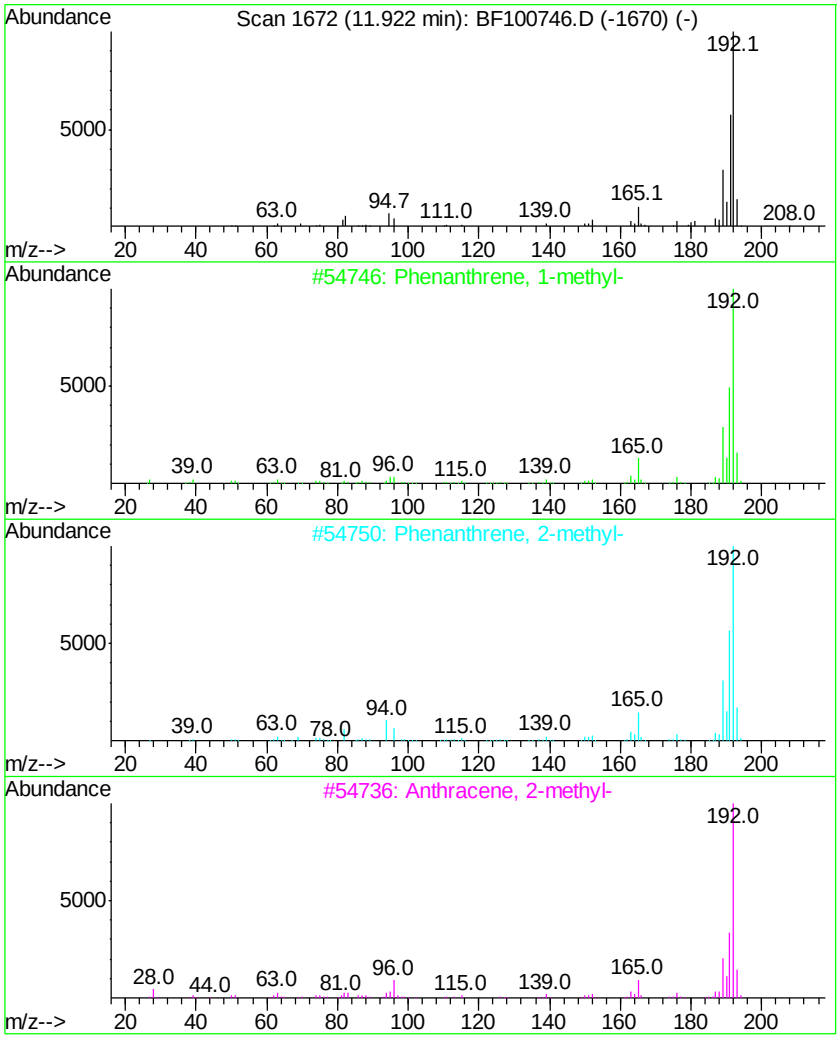
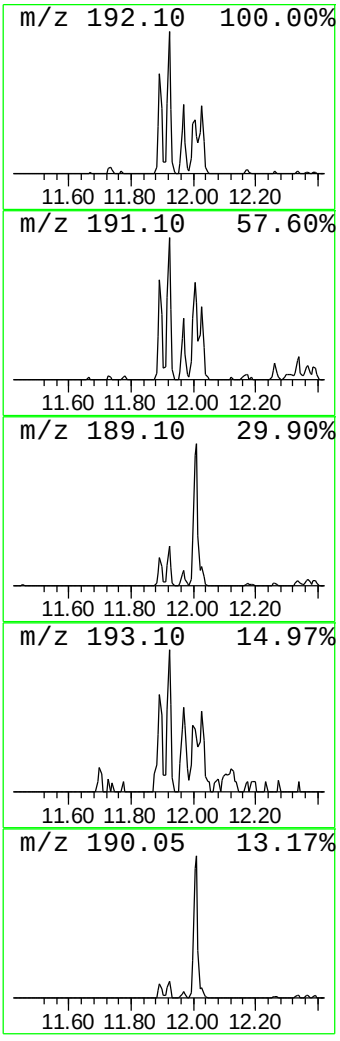
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.22 ng	76072	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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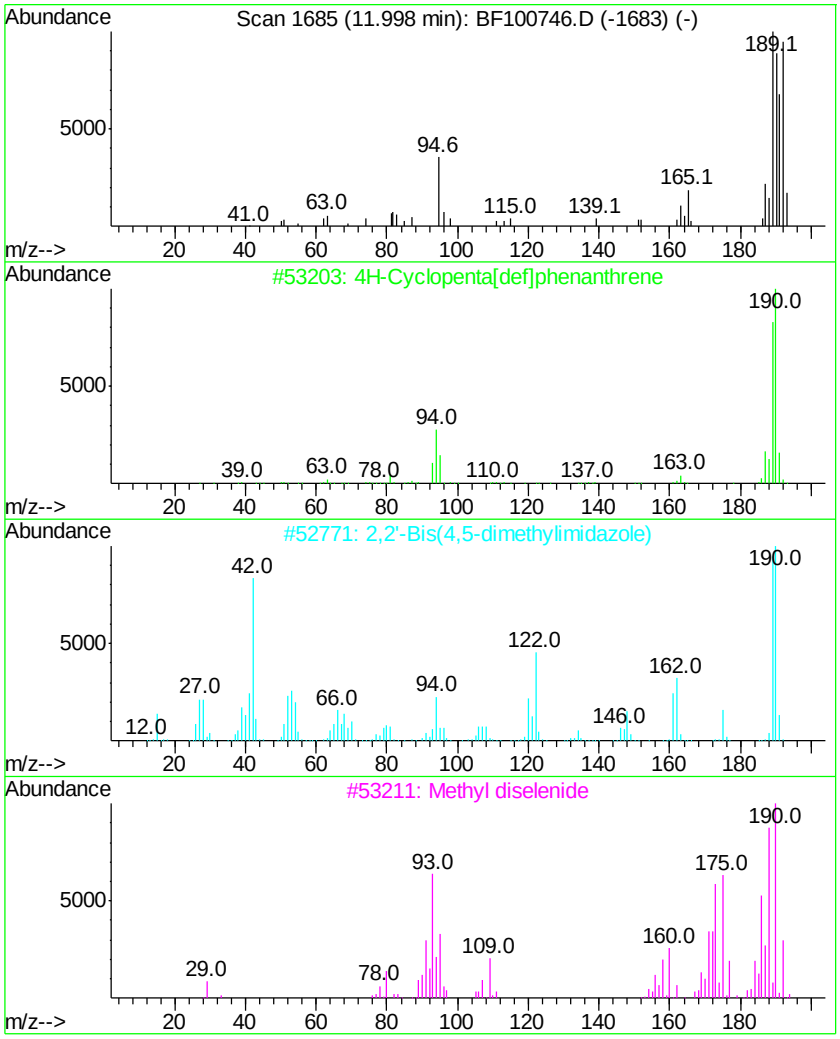
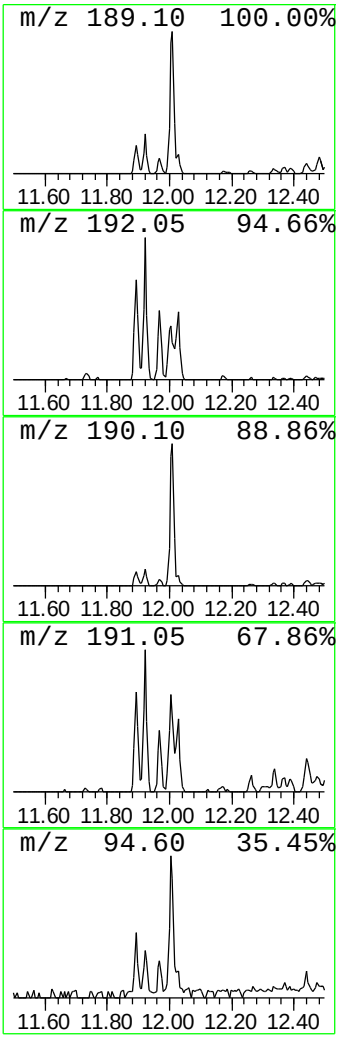
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.32 ng	148068	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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

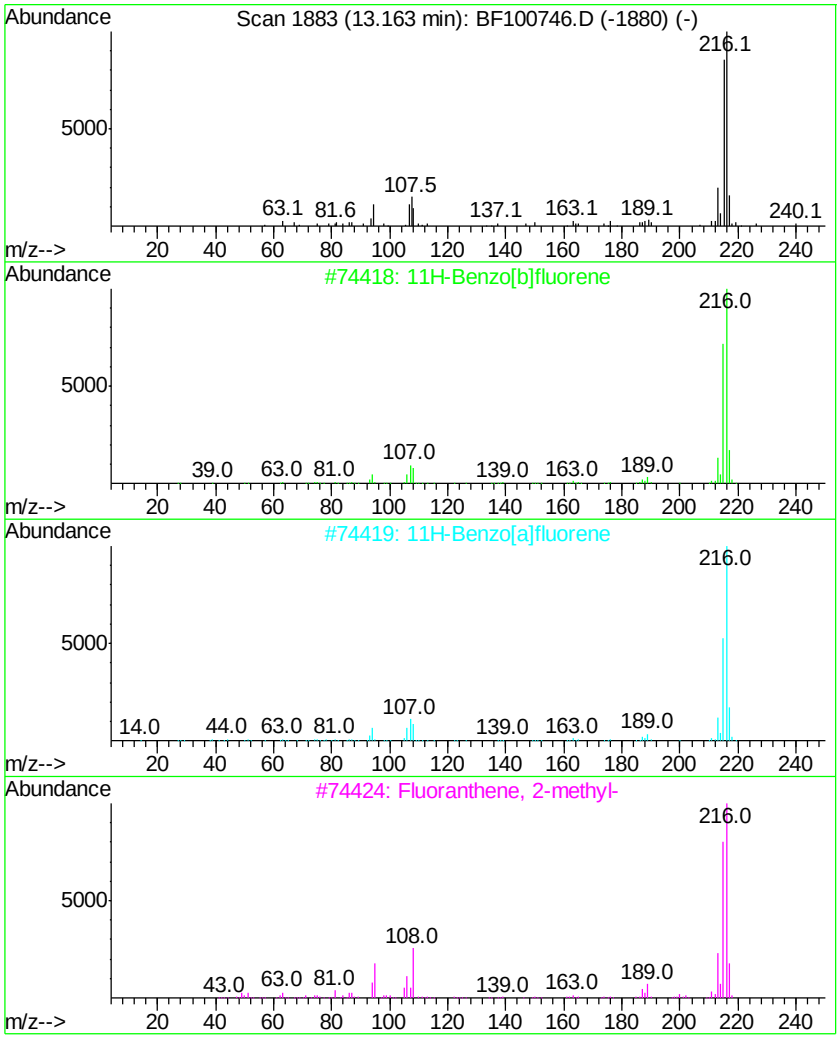
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

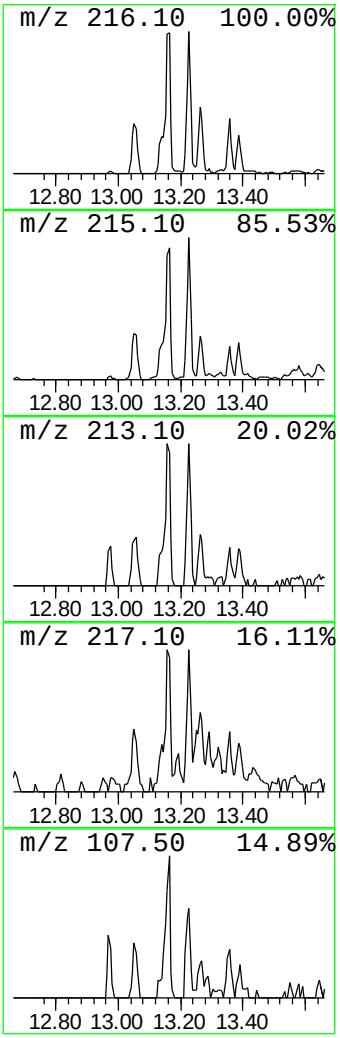
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.06 ng	110279	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Operator : SJ/JU
Sample : I6304-16 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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

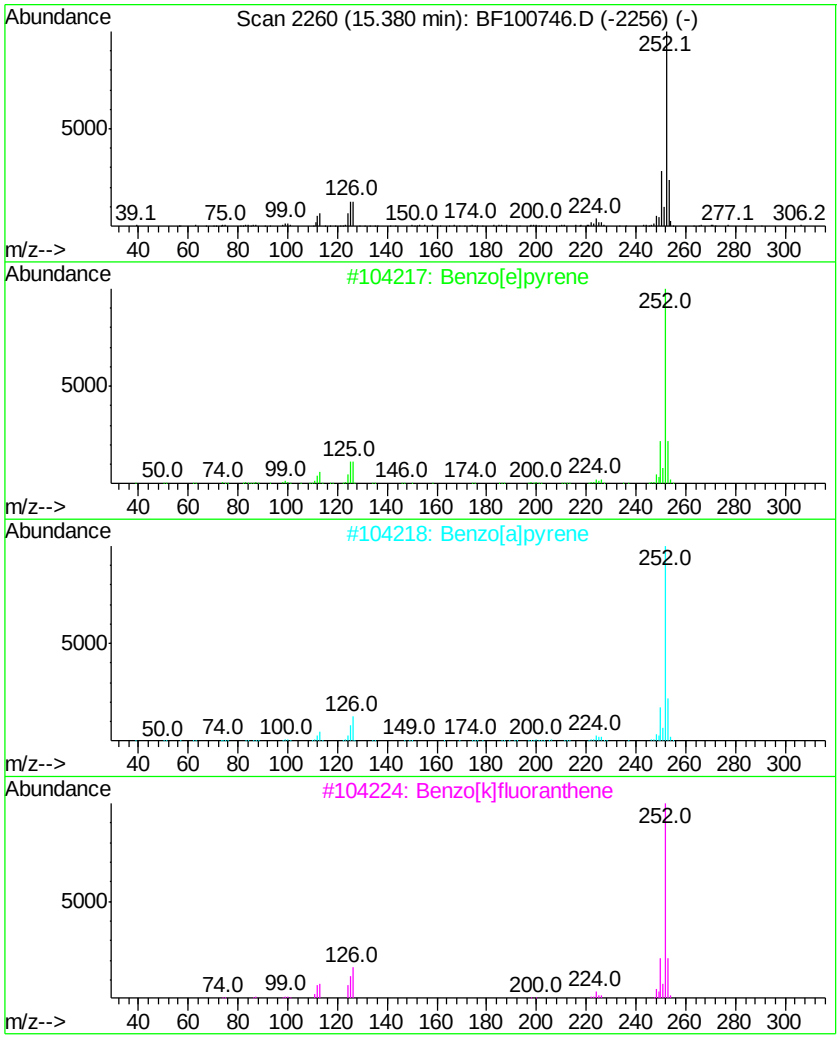
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

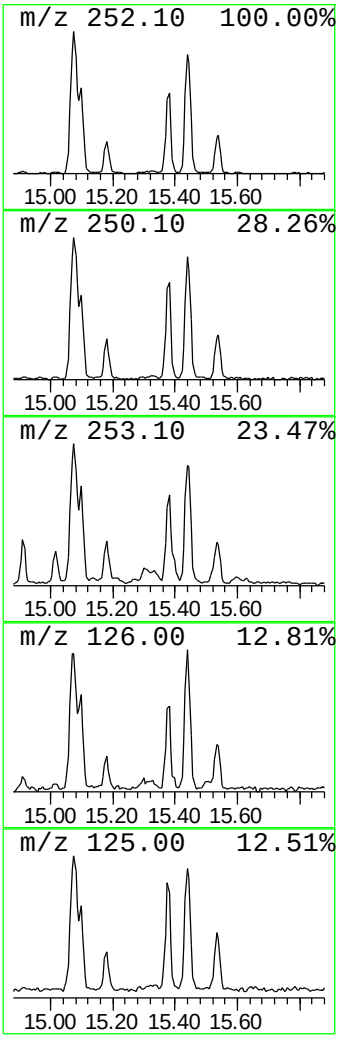
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	7.37 ng	241580	Perylene-d12	15.51

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





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
Data File : BF100746.D
Acq On : 20 Nov 2017 22:34
Operator : SJ/JU
Sample : I6304-16 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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

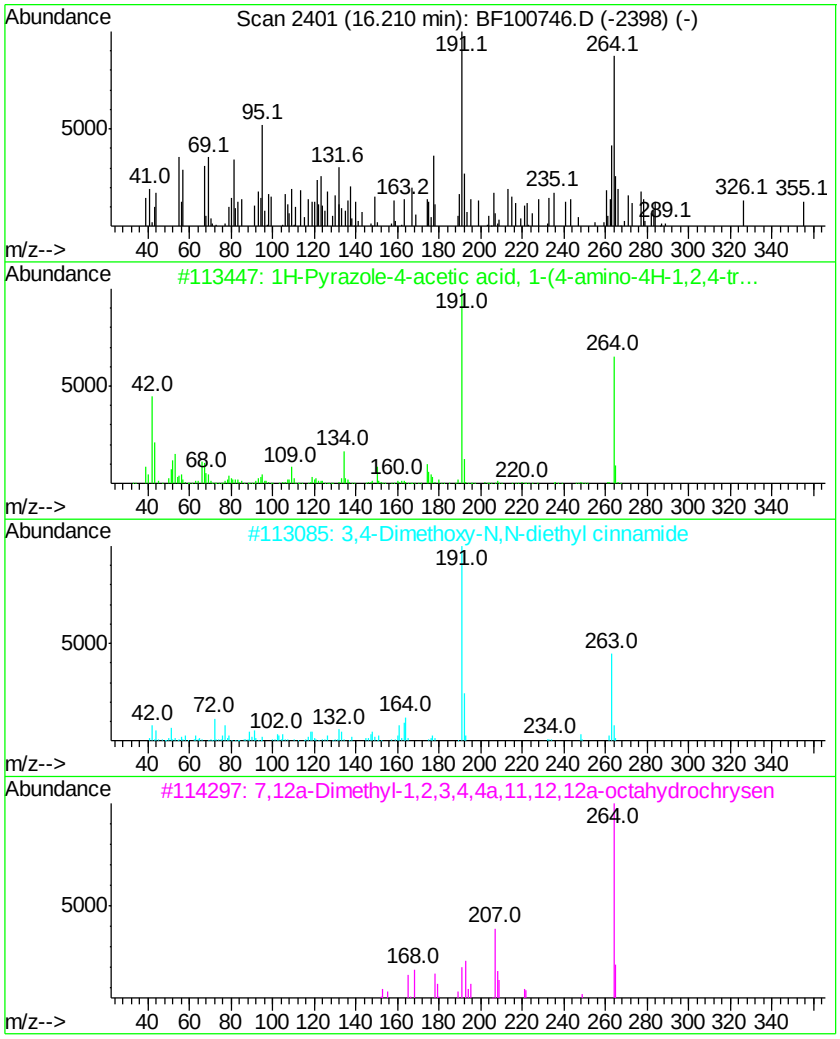
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

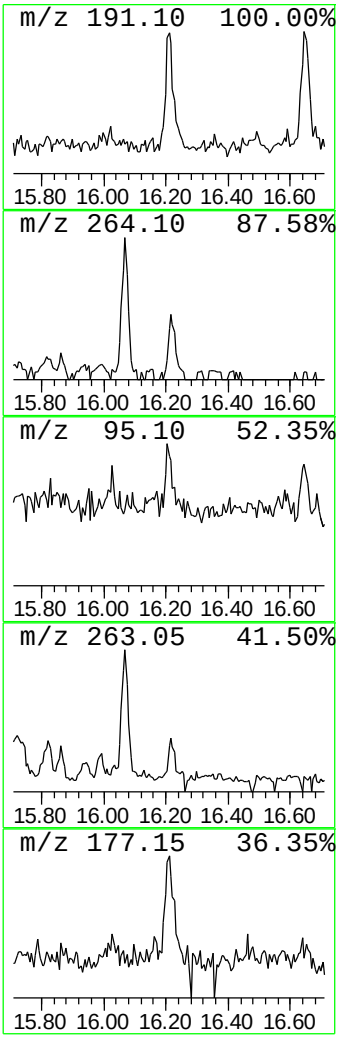
****

Peak Number 8 unknown16.21 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.31 ng	75671	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole-4-acetic acid, 1-(4-...	264	C11H16N6O2	1000337-51-2	43
2	3,4-Dimethoxy-N,N-diethyl cinnamide	263	C15H21NO3	185410-48-4	38
3	7,12a-Dimethyl-1,2,3,4,4a,11,12,...	264	C20H24	075758-27-9	22
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	20
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112017\
Data File : BF100746.D
Acq On : 20 Nov 2017 22:34
Operator : SJ/JU
Sample : I6304-16 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111617-C

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
unknown6.63	6.63	17.5	ng	493082	1	6.87	564189	20.0
Phenanthrene, 1-m...	11.92	2.2	ng	76072	4	11.39	685711	20.0
4H-Cyclopenta[def...	12.00	4.3	ng	148068	4	11.39	685711	20.0
11H-Benzo[b]fluorene	13.16	2.1	ng	110279	5	14.03	1068720	20.0
Benzo[e]pyrene	15.38	7.4	ng	241580	6	15.51	655251	20.0
unknown16.21	16.21	2.3	ng	75671	6	15.51	655251	20.0