LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

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-BF050217.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	1.960	3	4	15	rVB	82475	95049	3.58%	0.325%
2	5.137	541	544	571	rBV	146882	350848	13.23%	1.201%
3	5.748	645	648	683	rBV	921506	1925359	72.58%	6.593%
4	7.319	911	915	932	rBV	1268084	1957008	73.77%	6.702%
5	7.442	932	936	948	rVB	1594831	2290309	86.34%	7.843%
6	7.784	990	994	1005	rBV	429354	535792	20.20%	1.835%
7	8.019	1029	1034	1049	rBV	1495783	1809291	68.20%	6.196%
8	8.678	1142	1146	1163	rBV	882390	1243559	46.88%	4.259%
9	9.795	1332	1336	1341	rBV	486841	641114	24.17%	2.195%
10	9.830	1341	1342	1356	rVB	90864	145920	5.50%	0.500%
11	10.583	1466	1470	1473	rBV	56485	63346	2.39%	0.217%
12	10.966	1529	1535	1541	rBV	92414	143013	5.39%	0.490%
13	11.119	1555	1561	1566	rBV	77082	119731	4.51%	0.410%
14	11.519	1624	1629	1632	rBV5	15636	28057	1.06%	0.096%
15	11.566	1632	1637	1650	rVV	2094083	2652730	100.00%	9.084%
16	11.789	1670	1675	1682	rVB7	26060	60116	2.27%	0.206%
17	11.883	1687	1691	1701	rVB3	21954	51906	1.96%	0.178%
18	11.983	1704	1708	1709	rBV2	50474	59875	2.26%	0.205%
19	12.101	1724	1728	1732	rBV2	78557	113869	4.29%	0.390%
20	12.148	1732	1736	1742	rVB2	67236	99793	3.76%	0.342%
21	12.260	1751	1755	1759	rBV	170699	237258	8.94%	0.812%
22	12.301	1759	1762	1768	rVB	153952	204449	7.71%	0.700%
23	12.407	1774	1780	1788	rBV2	80213	153437	5.78%	0.525%
24	12.477	1788	1792	1798	rVB6	39497	67631	2.55%	0.232%
25	12.624	1813	1817	1823	rBV2	542625	755412	28.48%	2.587%
26	12.683	1823	1827	1835	rVB	81189	146458	5.52%	0.502%
27	12.836	1849	1853	1859	rVB3	25174	46429	1.75%	0.159%
28	12.983	1874	1878	1888	rBV2	73816	166298	6.27%	0.569%
29	13.066	1888	1892	1897	rVB2	64211	86408	3.26%	0.296%
30	13.177	1905	1911	1917	rVB4	49262	89772	3.38%	0.307%
31	13.230	1917	1920	1926	rBV2	37896	51829	1.95%	0.177%
32	13.324	1928	1936	1938	rBV4	26191	55514	2.09%	0.190%
33	13.460	1955	1959	1965	rBV2	67363	98339	3.71%	0.337%
34	13.530	1965	1971	1979	rVB	147479	245397	9.25%	0.840%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.618	1979	1986	1989	rBV8	27342	61948	2.34%	0.212%
36	13.824	2014	2021	2028	rVB2	102420	196514	7.41%	0.673%
37	13.924	2033	2038	2048	rBV	764065	1214085	45.77%	4.158%
38	14.260	2087	2095	2101	rBV	308982	520996	19.64%	1.784%
39	14.430	2123	2124	2128	rVV3	30427	33280	1.25%	0.114%
40	14.477	2129	2132	2138	rVB6	23619	34860	1.31%	0.119%
41	14.560	2143	2146	2150	rVB4	25776	36645	1.38%	0.125%
42	14.660	2159	2163	2167	rBV6	27575	42521	1.60%	0.146%
43	14.871	2196	2199	2204	rVB	47513	62062	2.34%	0.213%
44	14.971	2211	2216	2218	rVB2	31215	45614	1.72%	0.156%
45	15.030	2218	2226	2229	rBV	534438	728355	27.46%	2.494%
46	15.065	2229	2232	2242	rVB	568625	797226	30.05%	2.730%
47	15.160	2244	2248	2258	rVB	123680	197571	7.45%	0.677%
48	15.254	2260	2264	2268	rBV4	25727	43631	1.64%	0.149%
49	15.459	2296	2299	2304	rVB	22694	32354	1.22%	0.111%
50	15.559	2312	2316	2320	rBV3	36020	46097	1.74%	0.158%
51	15.624	2323	2327	2330	rBV4	32753	44720	1.69%	0.153%
52	15.689	2334	2338	2343	rVB	53500	65703	2.48%	0.225%
53	15.812	2356	2359	2363	rBV	89346	108073	4.07%	0.370%
54	15.859	2363	2367	2372	rVB	90533	112003	4.22%	0.384%
55	15.936	2376	2380	2381	rBV2	23782	27842	1.05%	0.095%
56	15.965	2381	2385	2386	rVV2	115617	138089	5.21%	0.473%
57	15.983	2386	2388	2397	rVB3	136958	275185	10.37%	0.942%
58	16.165	2417	2419	2425	rVB7	19651	27312	1.03%	0.094%
59	16.254	2431	2434	2440	rBV	49646	72803	2.74%	0.249%
60	16.318	2442	2445	2449	rVB4	29922	42479	1.60%	0.145%
61	16.465	2467	2470	2474	rBV3	26452	36617	1.38%	0.125%
62	16.612	2491	2495	2498	rBV	63226	69418	2.62%	0.238%
63	16.654	2498	2502	2506	rVV4	30940	45089	1.70%	0.154%
64	16.730	2512	2515	2519	rVB3	29975	36062	1.36%	0.123%
65	16.812	2525	2529	2538	rVB	609241	802603	30.26%	2.749%
66	16.895	2540	2543	2549	rBV6	31379	43830	1.65%	0.150%
67	16.953	2549	2553	2560	rVB	52279	95998	3.62%	0.329%
68	17.012	2560	2563	2567	rBV	30413	45847	1.73%	0.157%
69	17.071	2567	2573	2576	rBV7	45895	85480	3.22%	0.293%
70	17.112	2576	2580	2586	rVV	603899	715527	26.97%	2.450%
71	17.348	2615	2620	2629	rVV	1527192	1641617	61.88%	5.622%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.430	2632	2634	2640	rVB3	50559	67528	2.55%	0.231%
73	17.548	2651	2654	2657	rBV4	33770	52925	2.00%	0.181%
74	17.583	2657	2660	2665	rVB	77655	95053	3.58%	0.326%
75	17.665	2671	2674	2679	rVB2	72621	81206	3.06%	0.278%
76	17.712	2679	2682	2688	rBV3	64057	108926	4.11%	0.373%
77	17.830	2699	2702	2706	rVV2	40892	44710	1.69%	0.153%
78	17.877	2706	2710	2715	rVB	42168	71230	2.69%	0.244%
79	18.383	2793	2796	2798	rBV2	35876	40546	1.53%	0.139%
80	18.412	2798	2801	2804	rVV	44709	44305	1.67%	0.152%
81	18.448	2804	2807	2811	rVV	31679	37356	1.41%	0.128%
82	18.483	2811	2813	2817	rVB	25728	26665	1.01%	0.091%
83	18.695	2844	2849	2853	rBV2	496754	807508	30.44%	2.765%
84	18.736	2853	2856	2864	rVB2	221123	334433	12.61%	1.145%
85	19.212	2934	2937	2942	rVB	47940	64821	2.44%	0.222%
86	19.906	3053	3055	3057	rBV2	37519	37406	1.41%	0.128%
87	19.971	3062	3066	3069	rBV	251853	368327	13.88%	1.261%
88	20.083	3083	3085	3087	rBV	50012	52181	1.97%	0.179%
89	20.265	3113	3116	3120	rVB	172409	197081	7.43%	0.675%
90	20.324	3122	3126	3130	rVV	217052	285858	10.78%	0.979%
91	20.377	3131	3135	3144	rVB	376783	556174	20.97%	1.905%
92	20.900	3222	3224	3228	rBV4	47065	79517	3.00%	0.272%
93	21.724	3361	3364	3371	rVB	78160	145468	5.48%	0.498%
94	22.112	3426	3430	3438	rVB2	68547	139457	5.26%	0.478%
95	23.988	3744	3749	3750	rBV5	29314	45346	1.71%	0.155%

Sum of corrected areas: 29201399

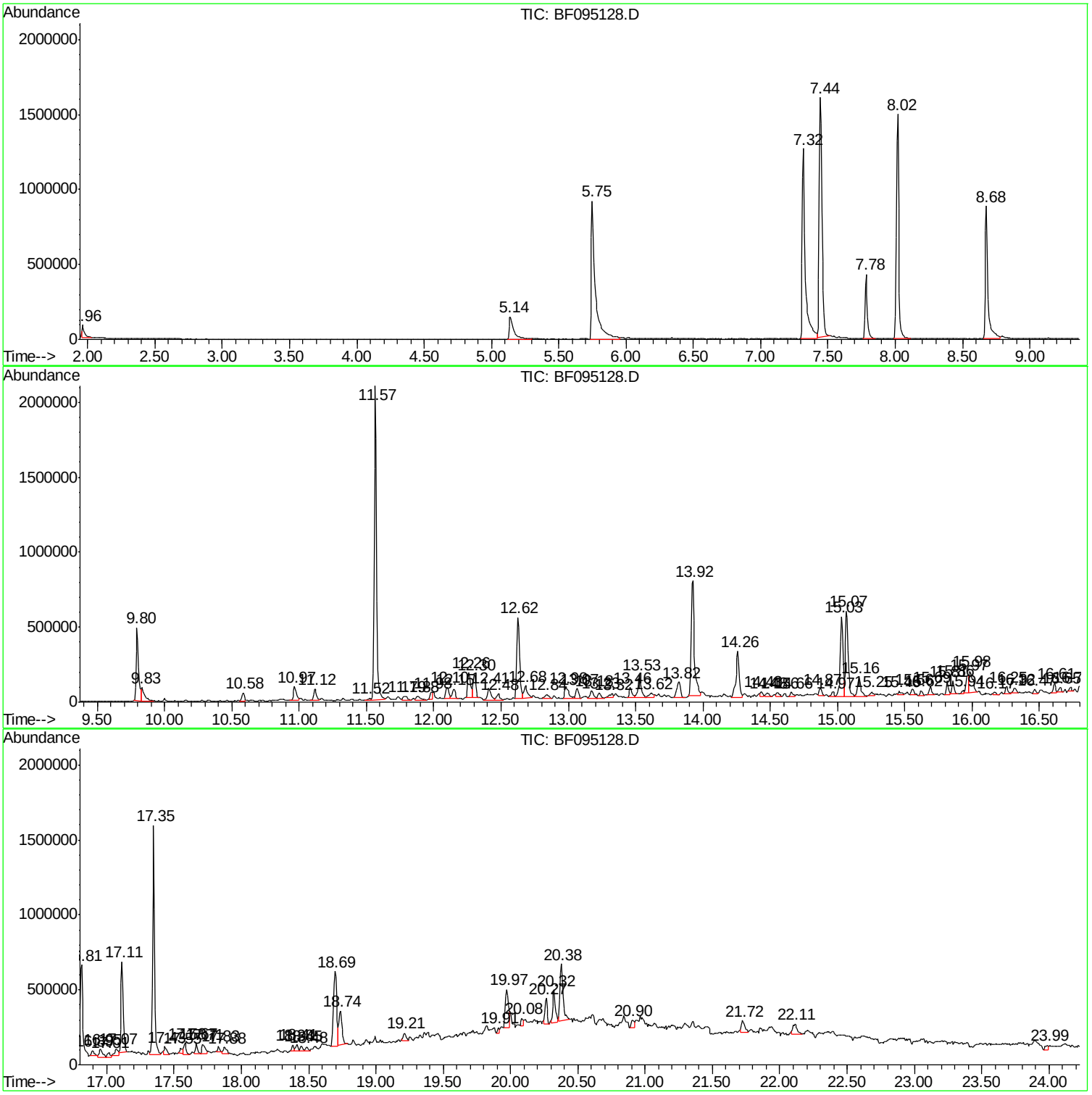
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

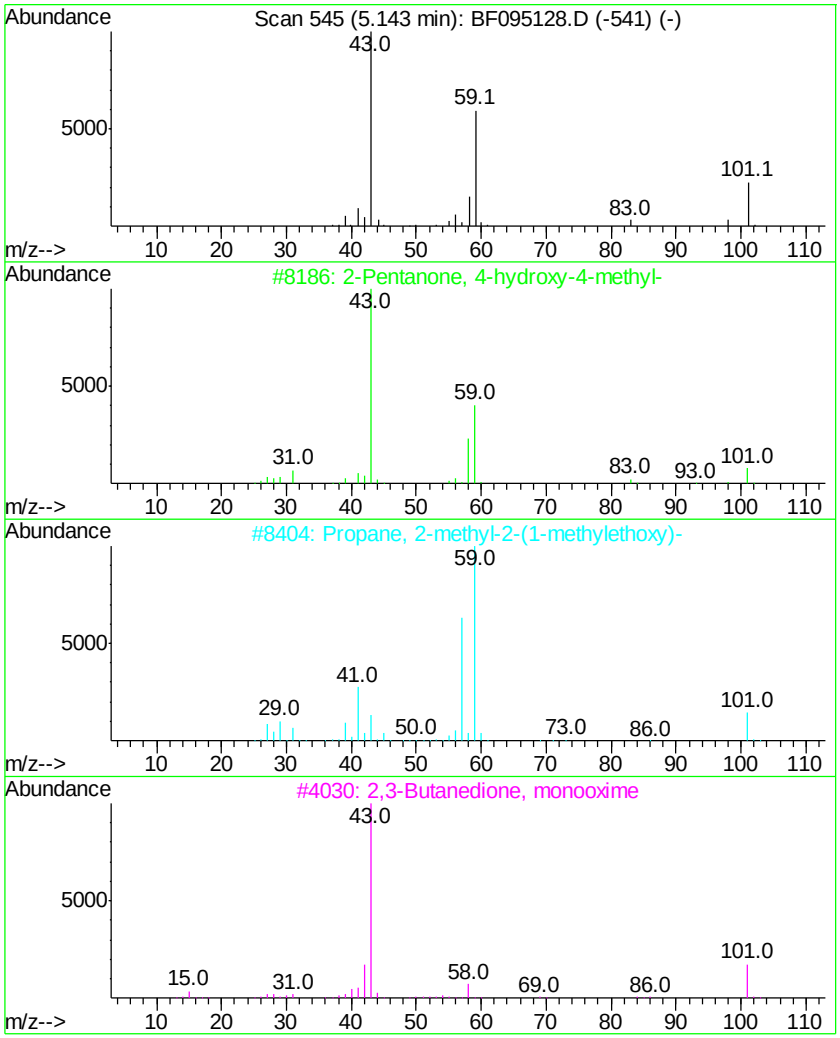
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

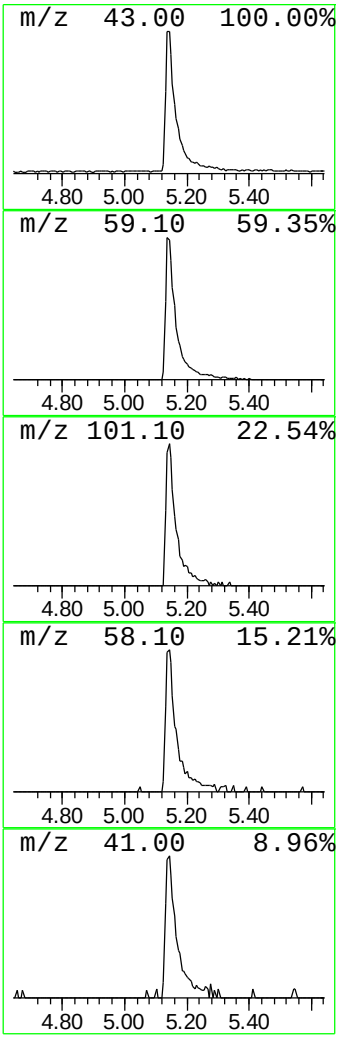
****

Peak Number 2 unknown5.42 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.14	13.10 ng	350848	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	40
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

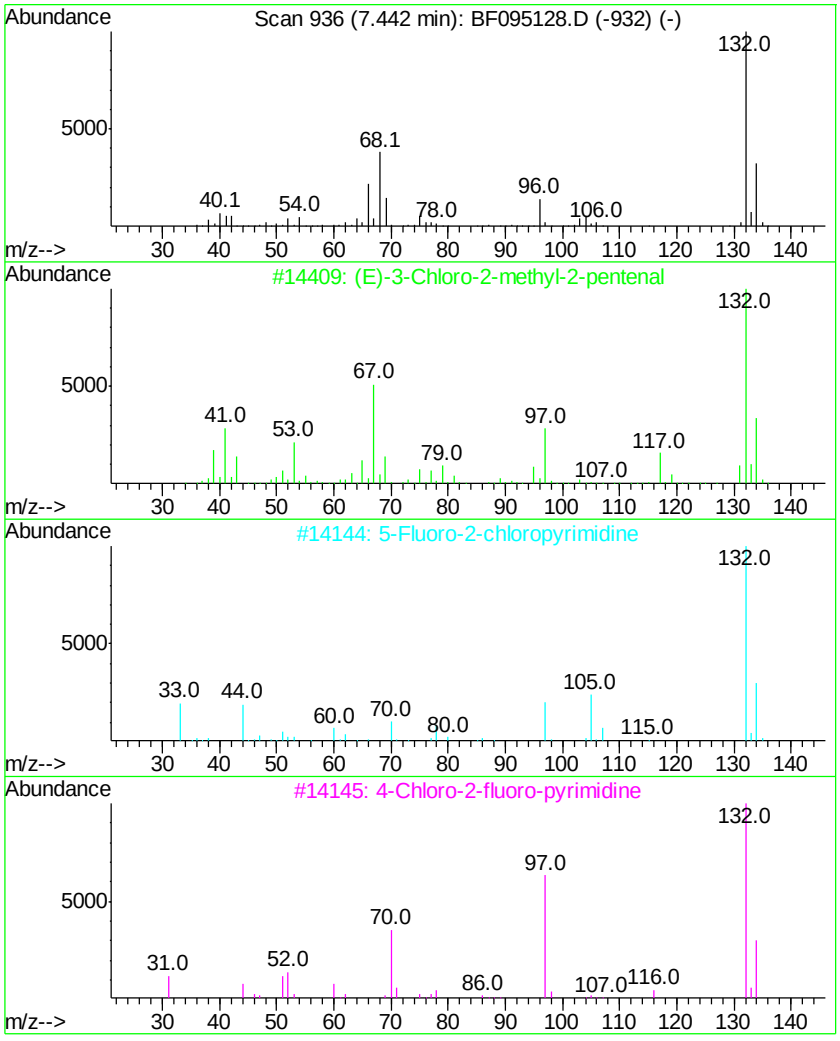
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

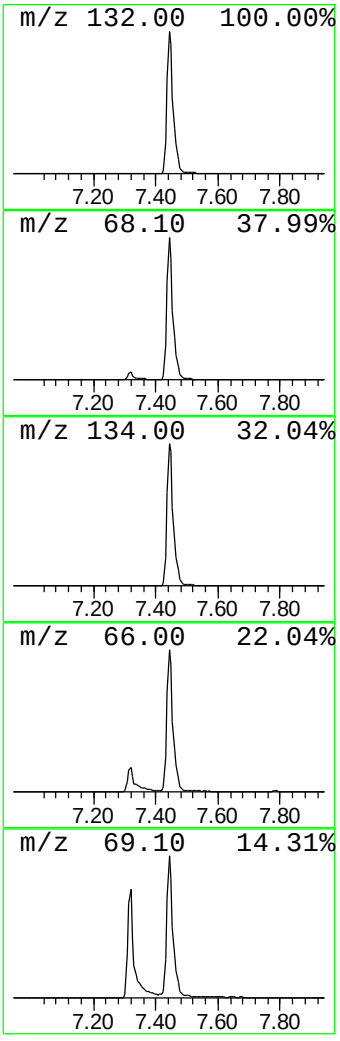
****

Peak Number 3 unknown7.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	85.49 ng	2290310	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

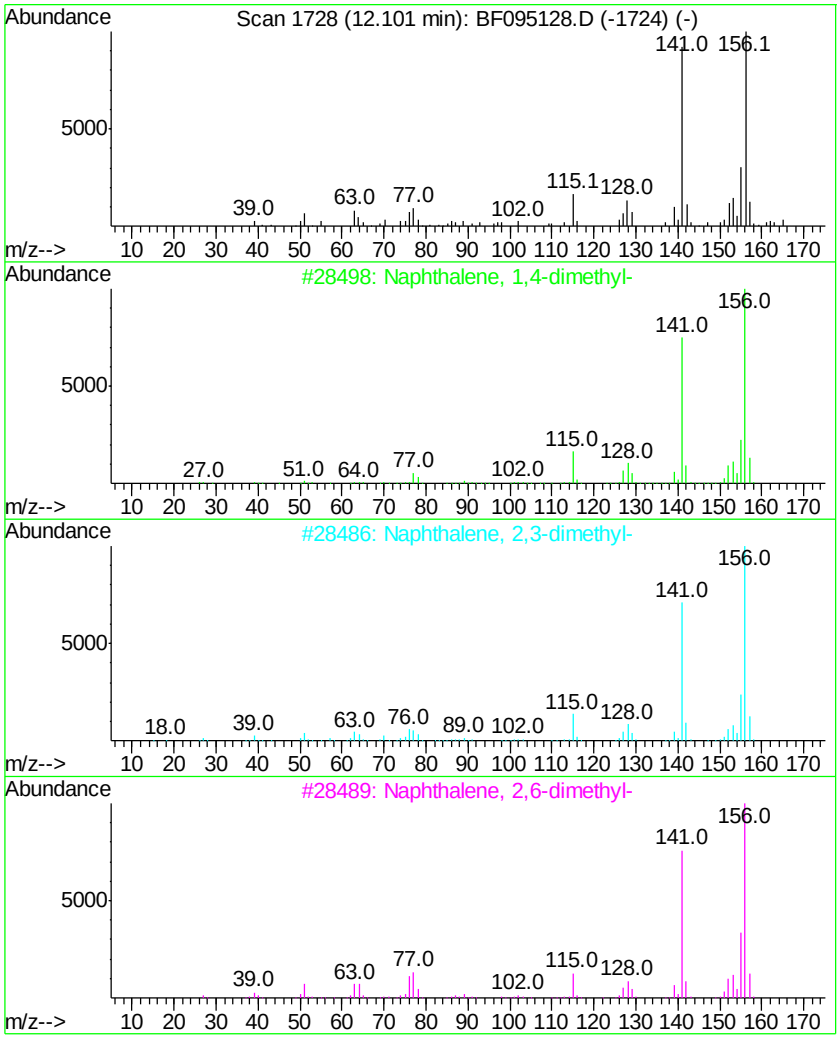
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

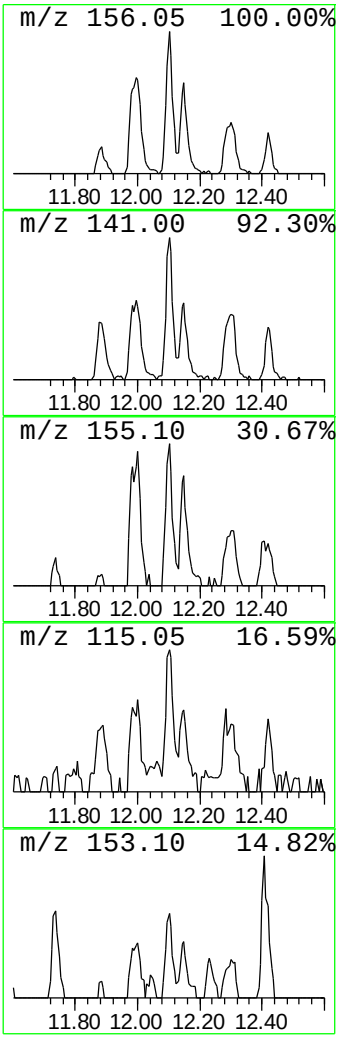
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.01 ng	113869	Acenaphthene-d10	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

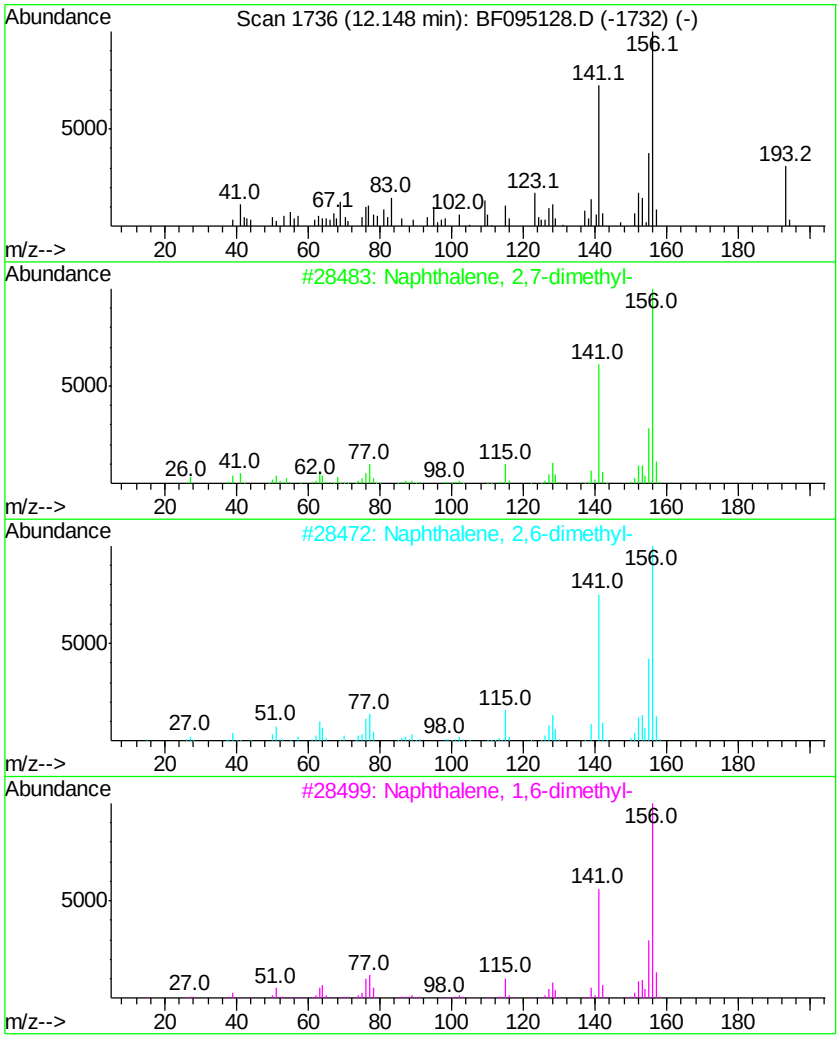
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

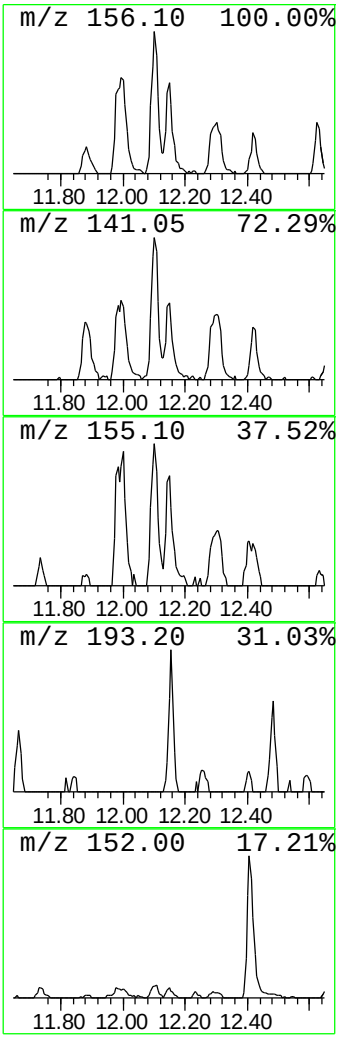
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.64 ng	99793	Acenaphthene-d10	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	86
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

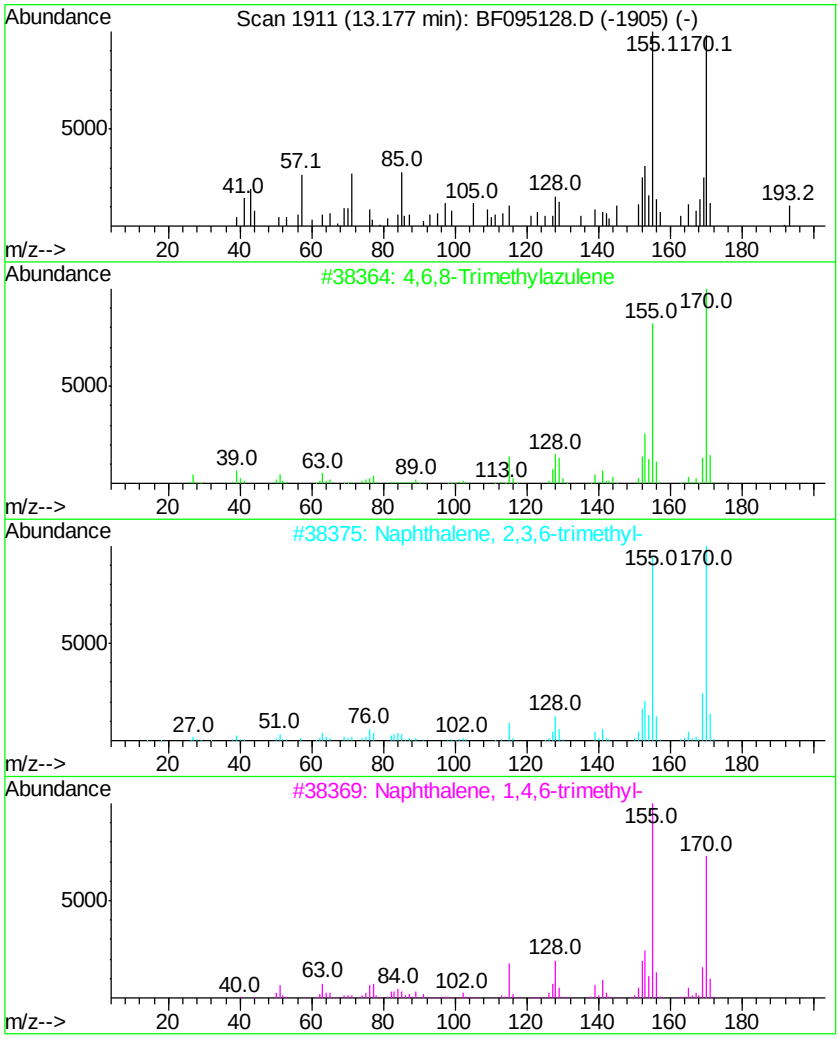
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

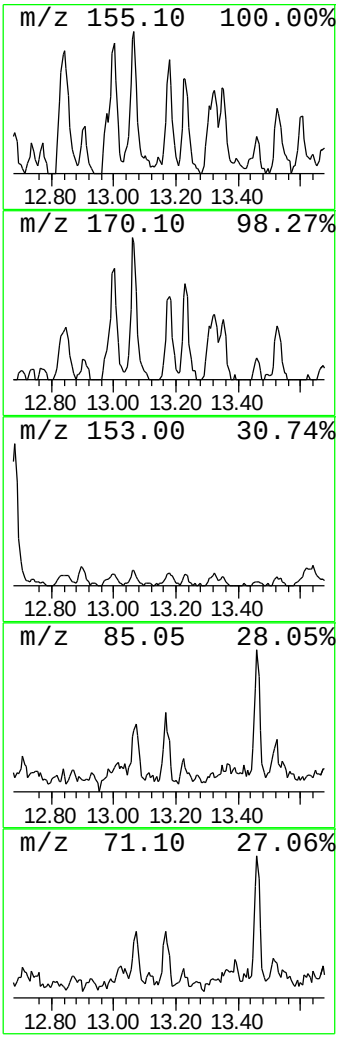
****

Peak Number 8 4,6,8-Trimethylazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.38 ng	89772	Acenaphthene-d10	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

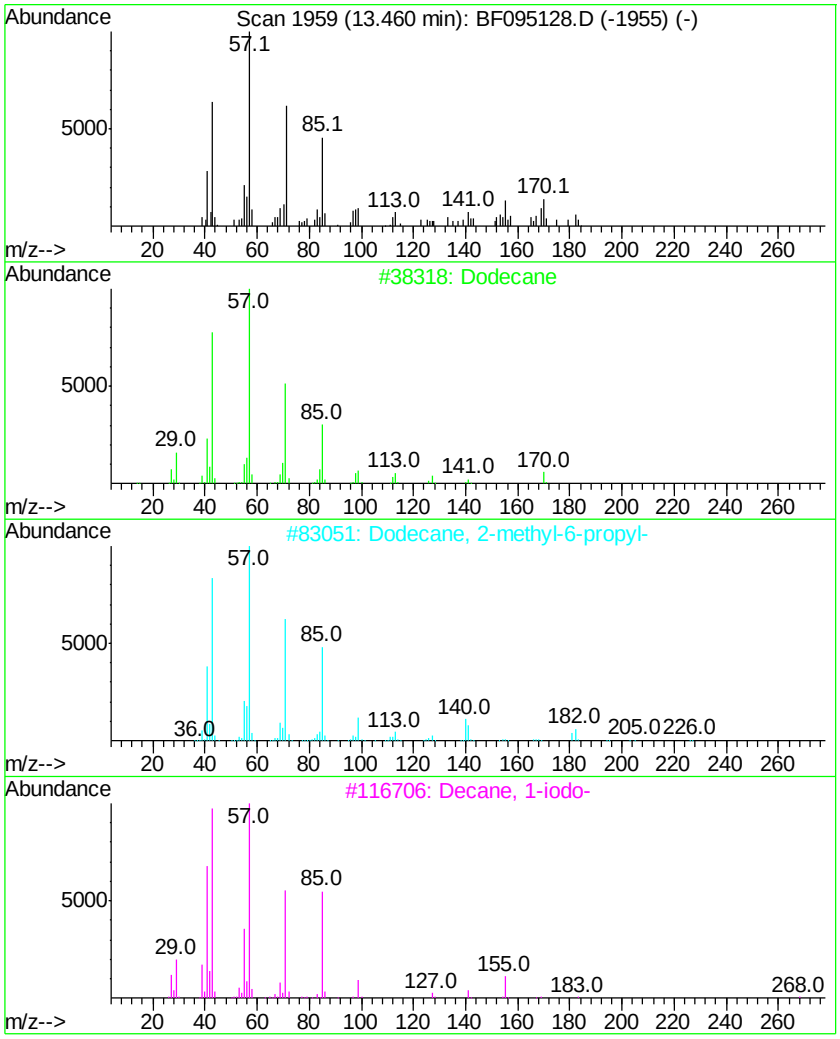
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

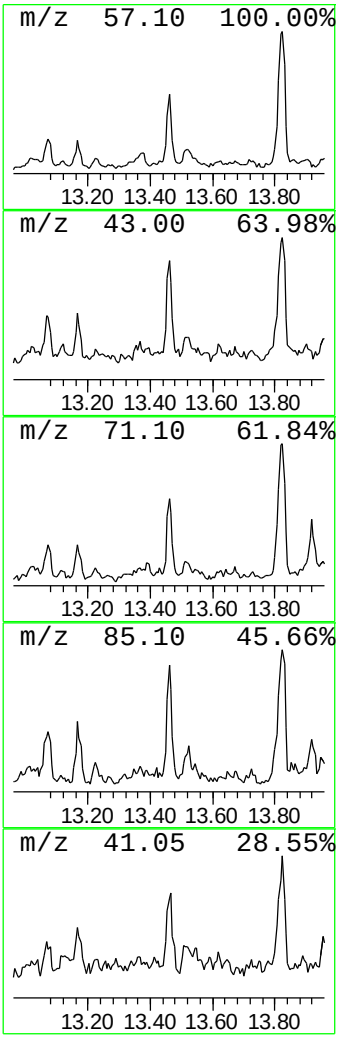
****

Peak Number 9 Dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.60 ng	98339	Acenaphthene-d10	12.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	59
4	Tetracosane	338	C24H50	000646-31-1	53
5	Hexacosane	366	C26H54	000630-01-3	53





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Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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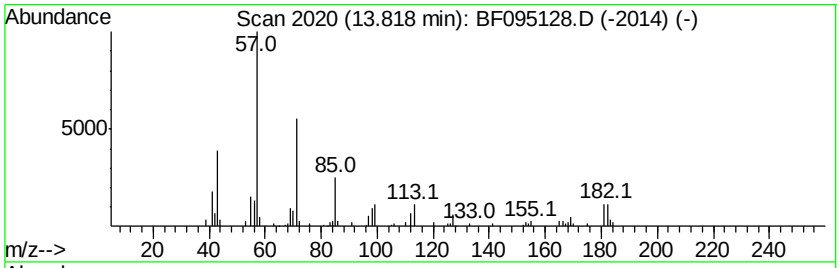
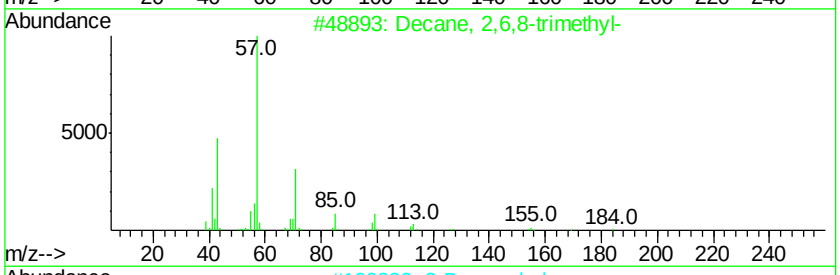
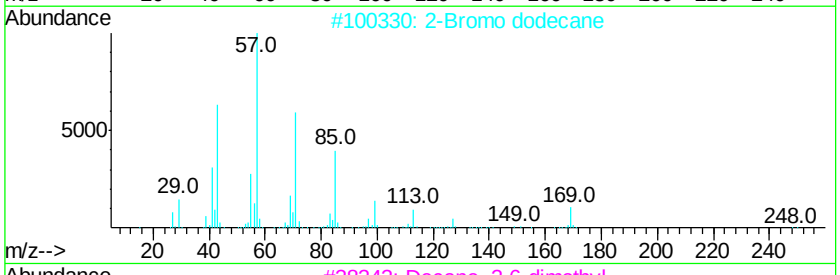
Peak Number 10 Decane, 2,6,8-trimethyl- Concentration Rank 7

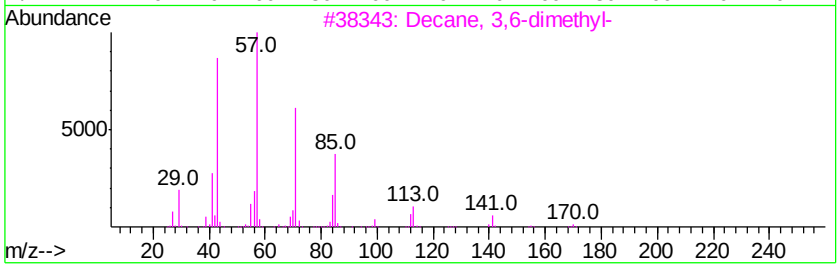
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	5.20 ng	196514	Acenaphthene-d10	12.62

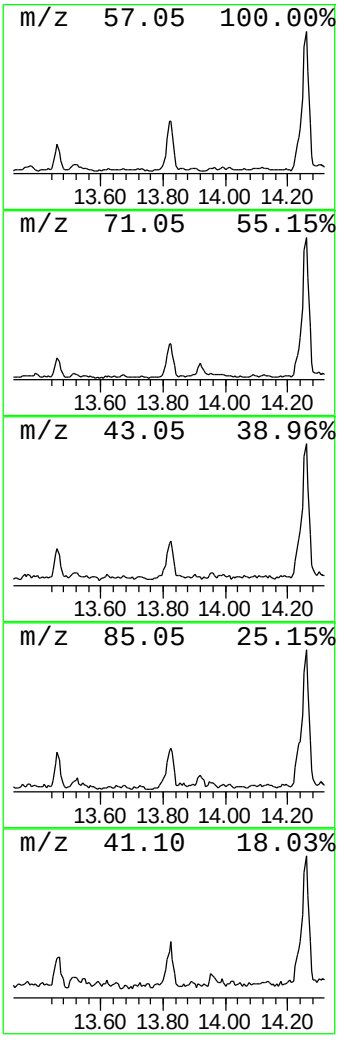
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	70
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	62
4	Triacontane	422	C30H62	000638-68-6	59
5	Pentacosane	352	C25H52	000629-99-2	53











Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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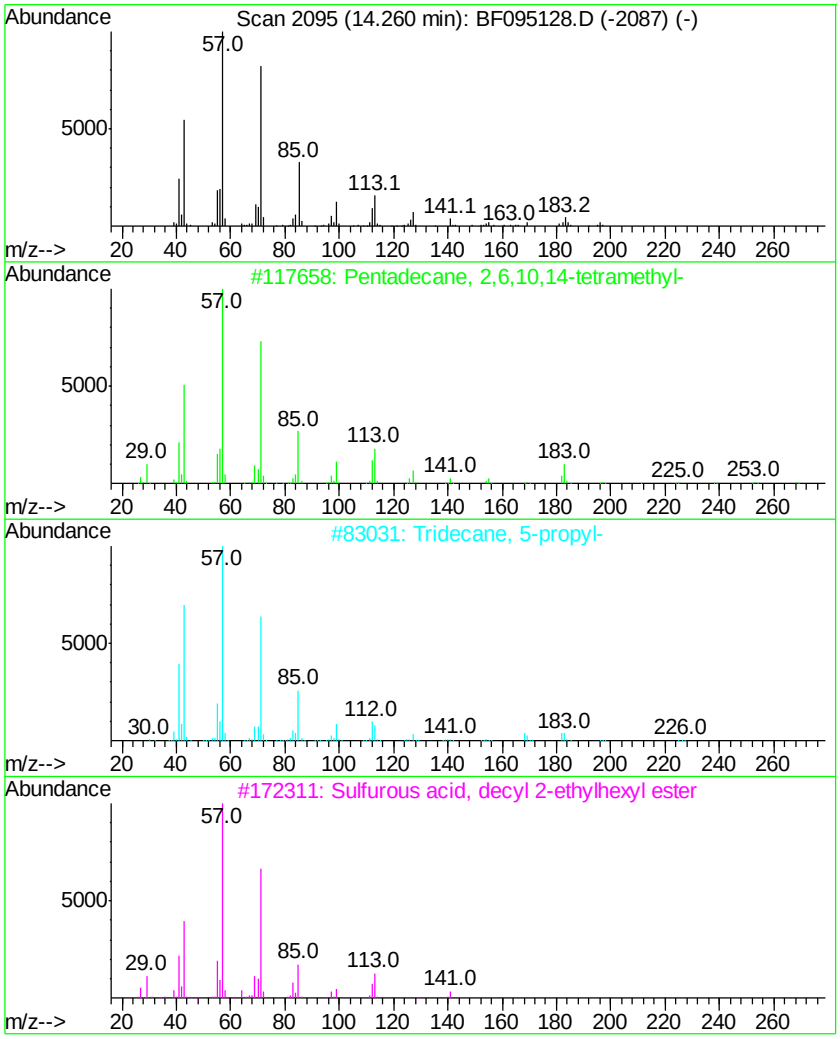
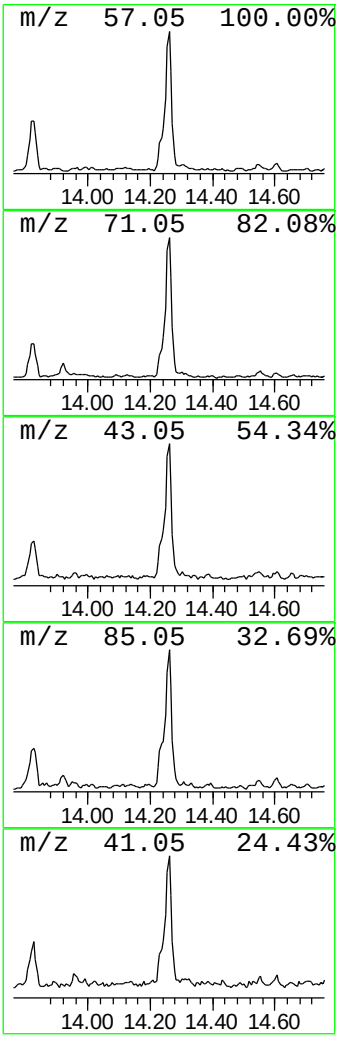
Peak Number 11 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	14.31 ng	520996	Phenanthrene-d10	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	83
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Eicosane	282	C20H42	000112-95-8	72





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Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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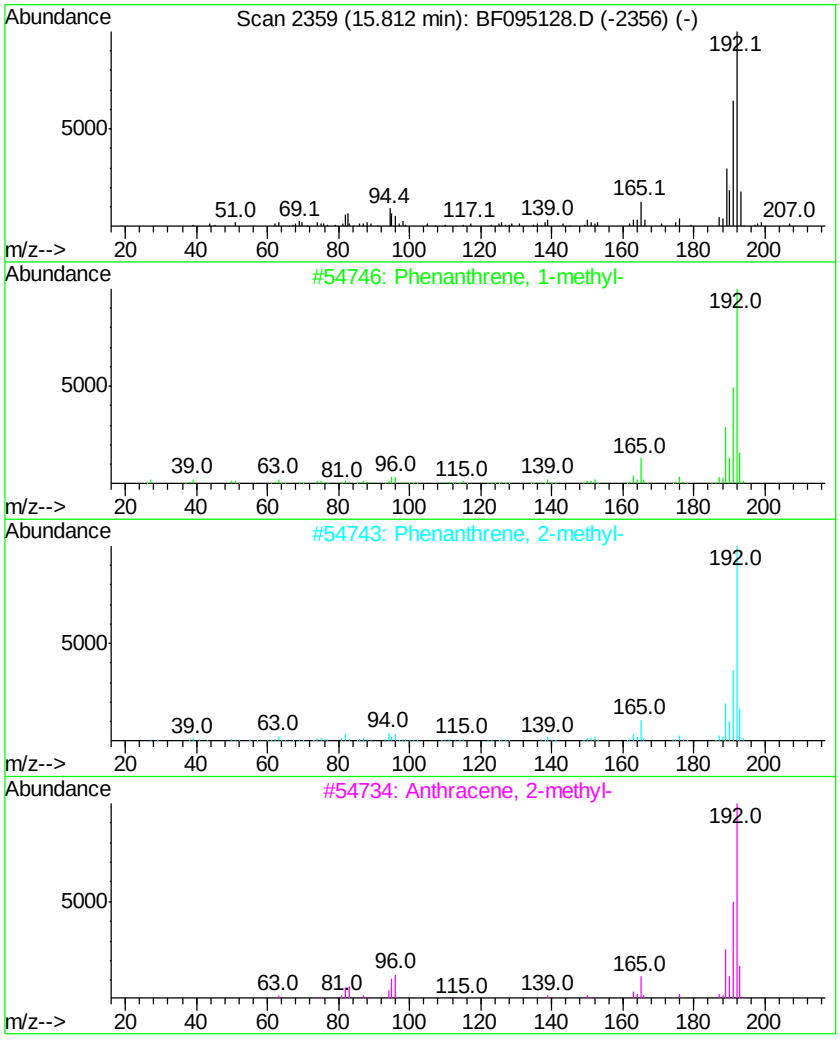
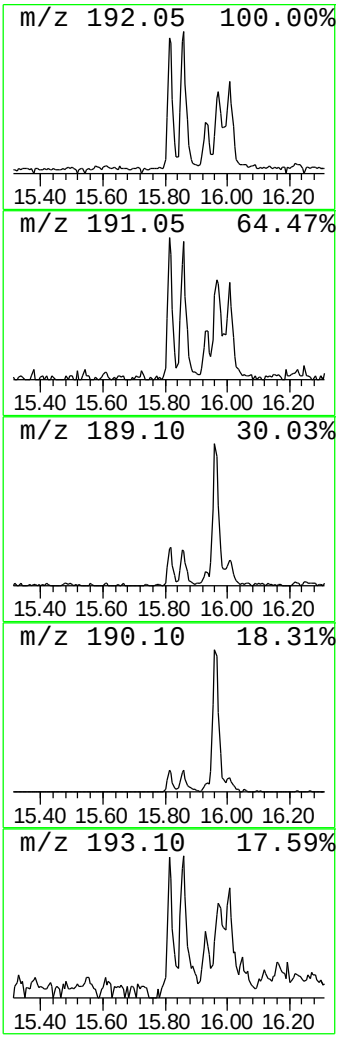
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	2.97 ng	108073	Phenanthrene-d10	15.03

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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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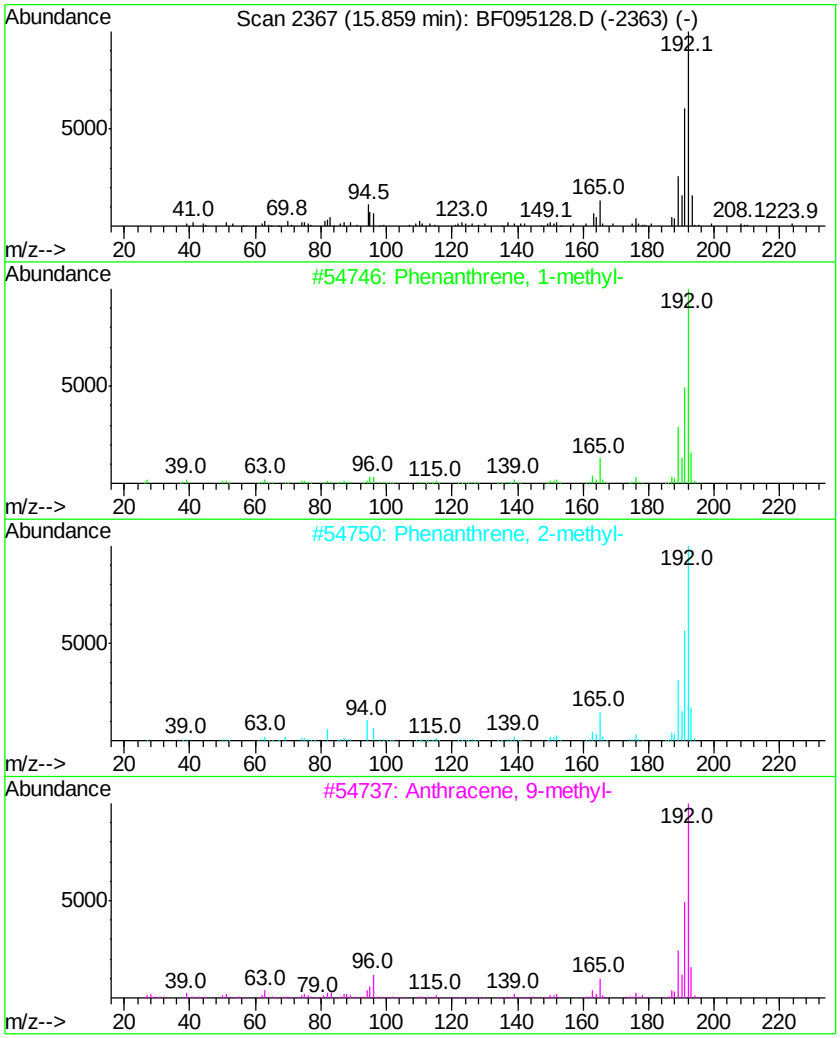
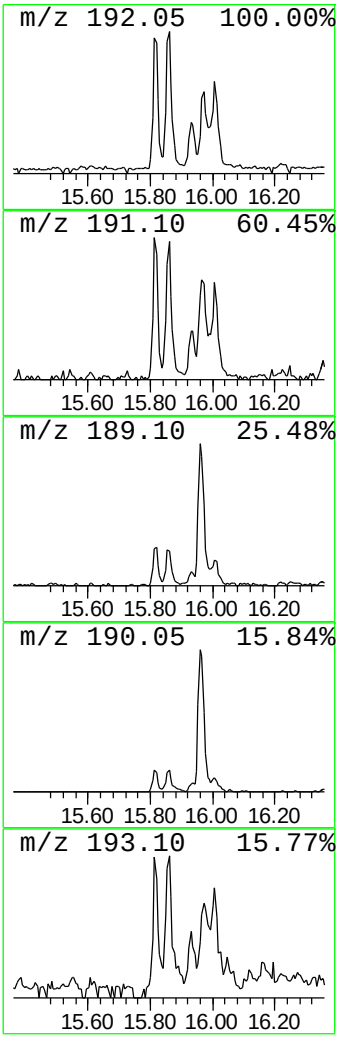
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	3.08 ng	112003	Phenanthrene-d10	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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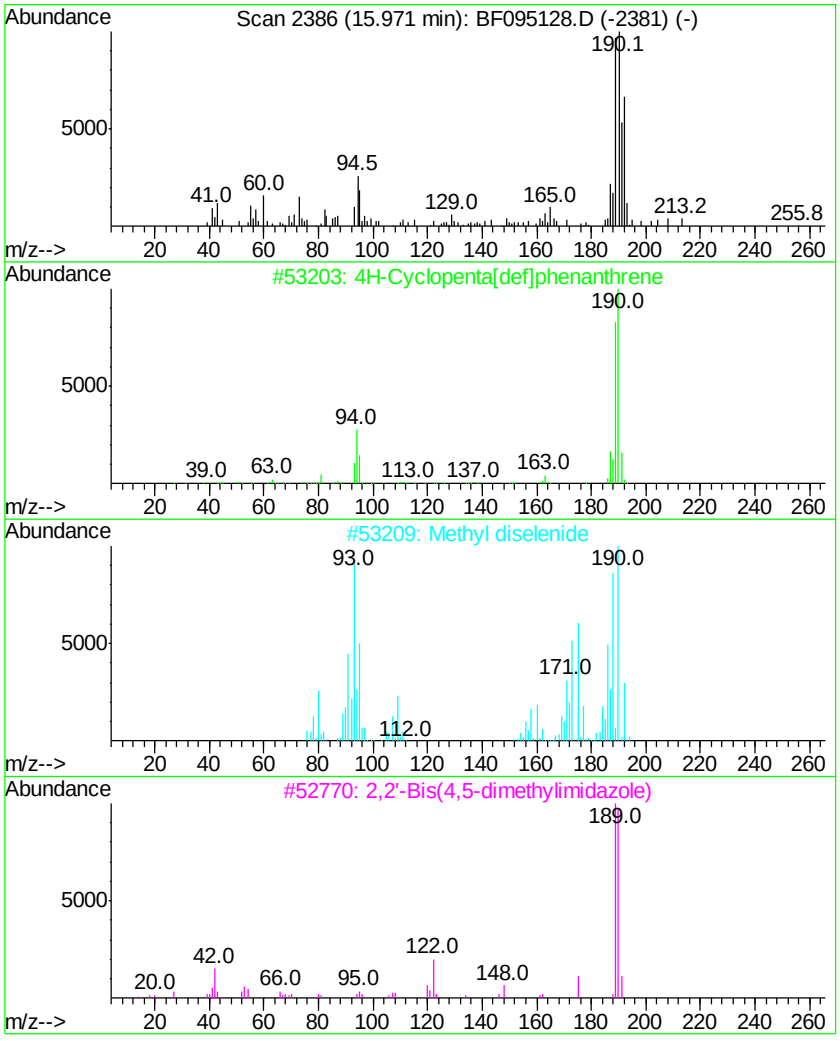
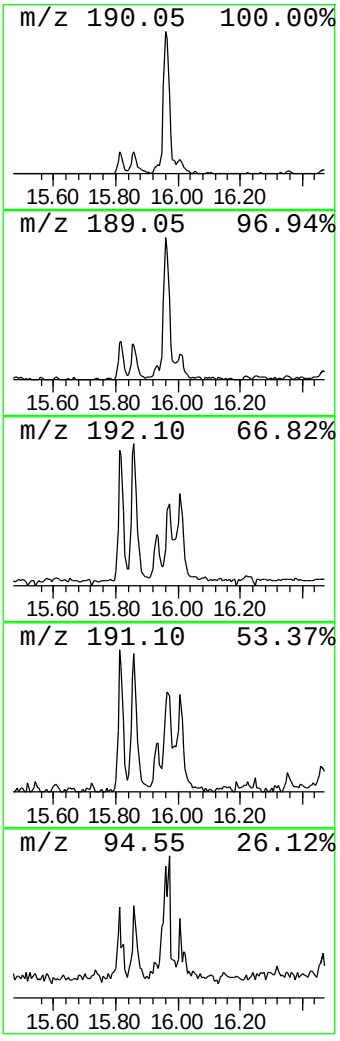
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	3.79 ng	138089	Phenanthrene-d10	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Operator : SJ/MA
Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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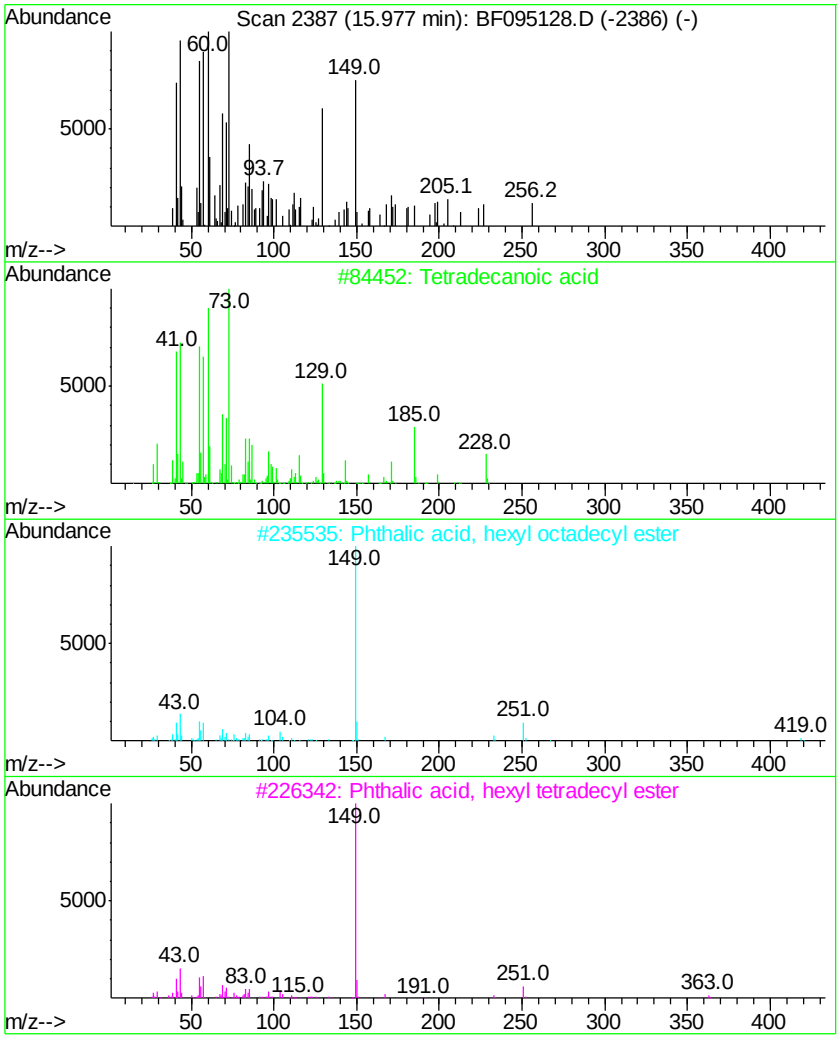
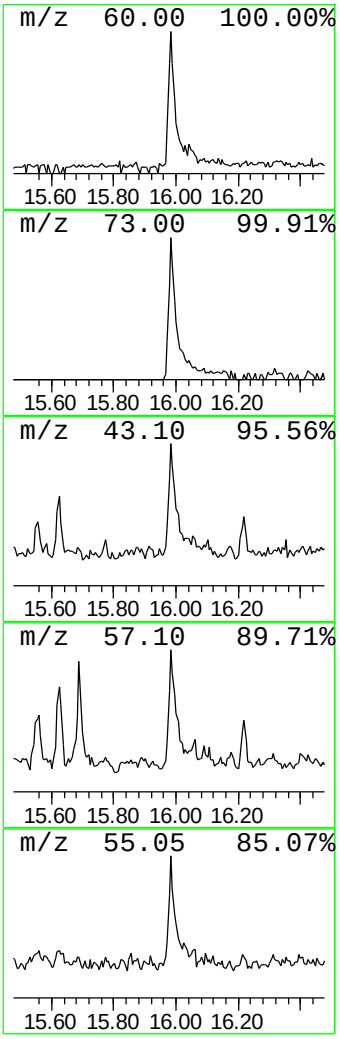
Peak Number 15 unknown15.98 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	7.56 ng	275185	Phenanthrene-d10	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	38
2	Phthalic acid, hexyl octadecyl e...	502	C32H54O4	1000309-06-2	35
3	Phthalic acid, hexyl tetradecyl ...	446	C28H46O4	1000308-91-4	35
4	Tridecanoic acid	214	C13H26O2	000638-53-9	30
5	Phthalic acid, heptyl phenyl ester	340	C21H24O4	1000314-87-3	27





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Acq On : 15 May 2017 16:33
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Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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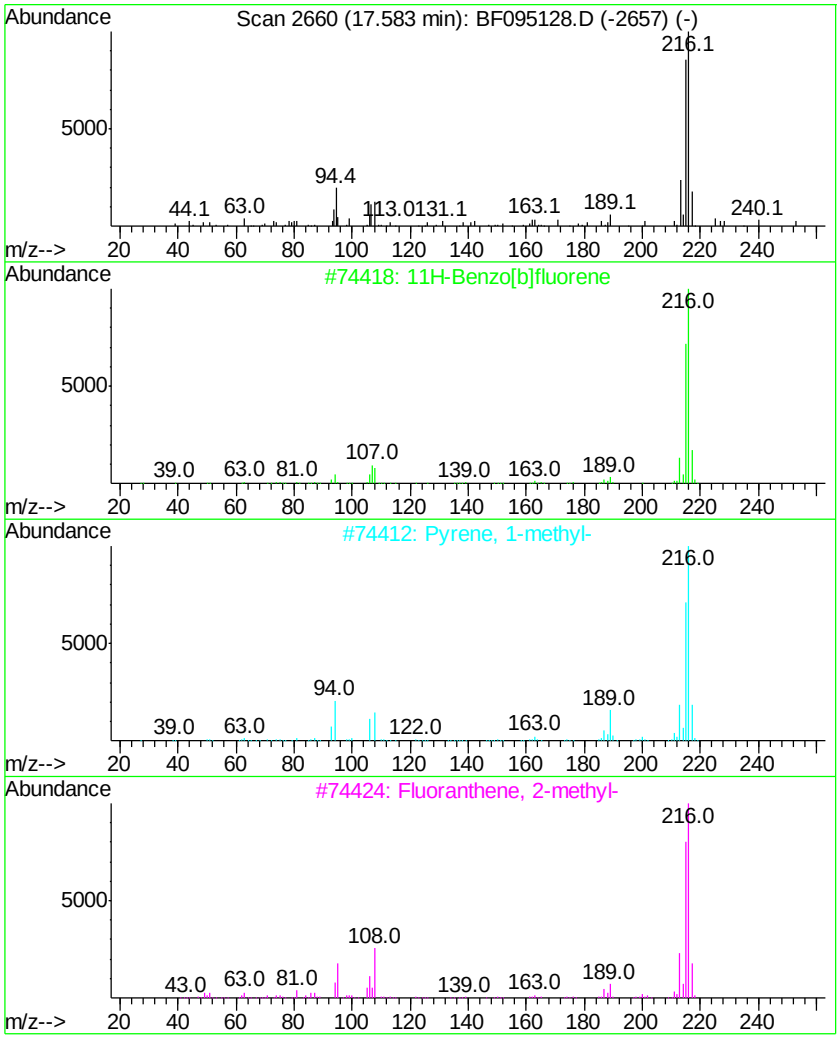
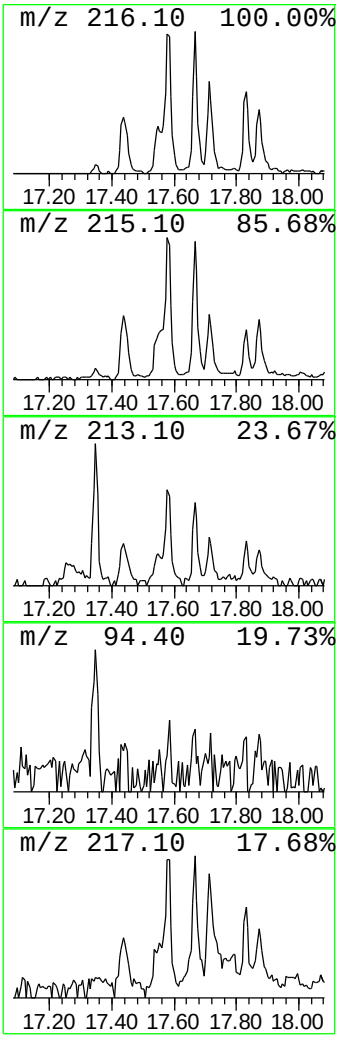
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	2.35 ng	95053	Chrysene-d12	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
4	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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Sample : I3120-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WP.RD-CORNELL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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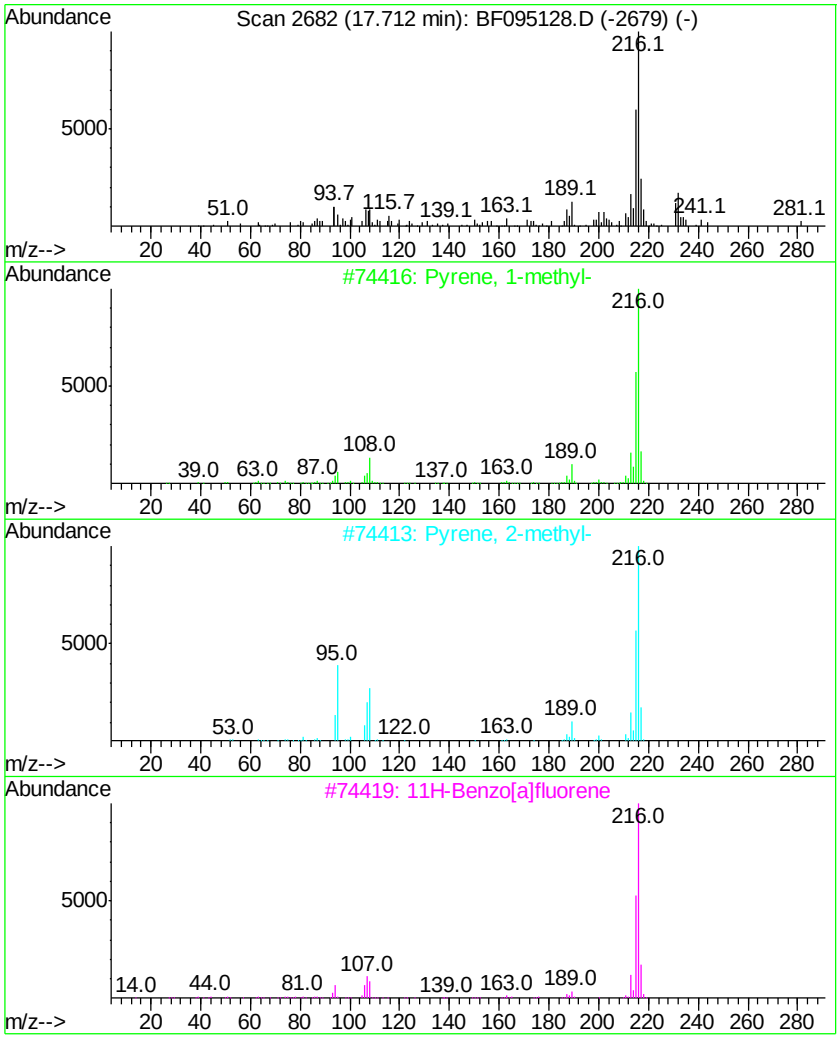
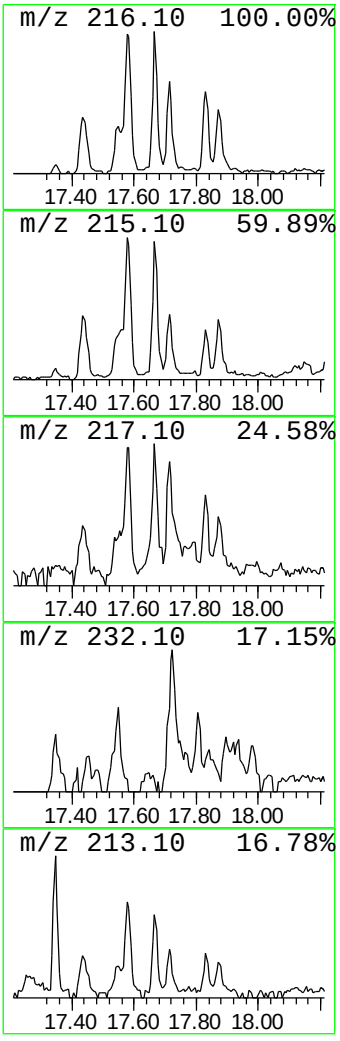
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.70 ng	108926	Chrysene-d12	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	58





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Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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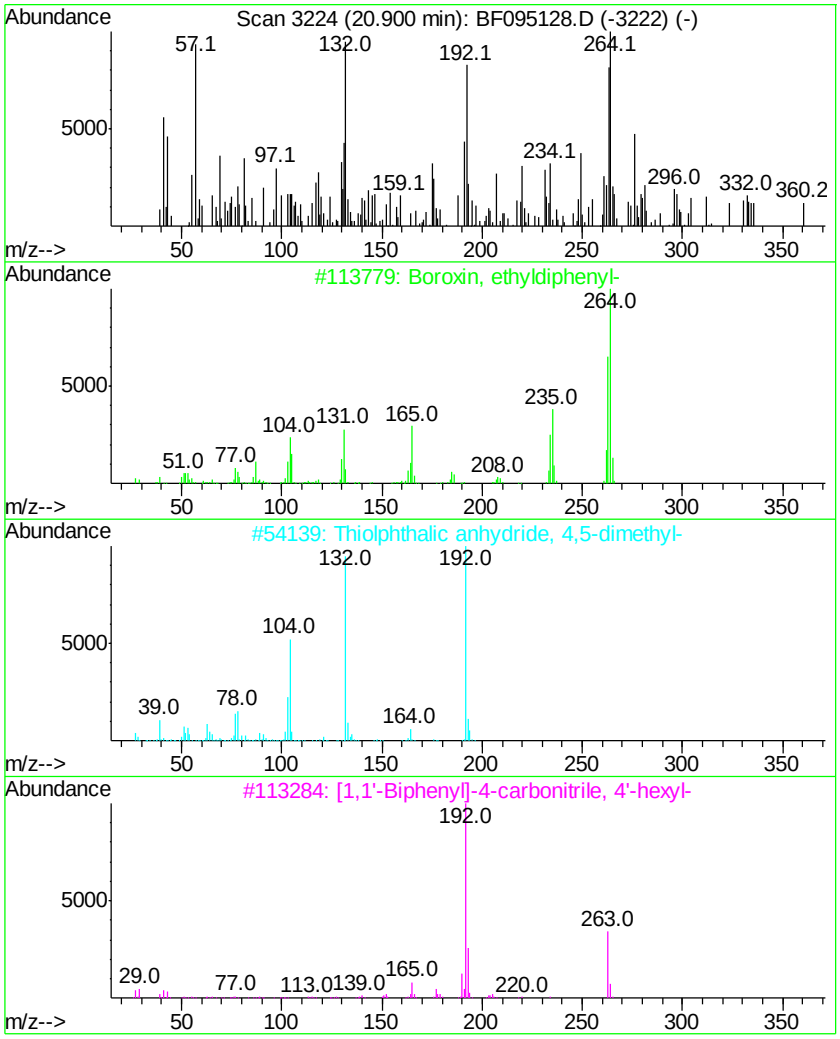
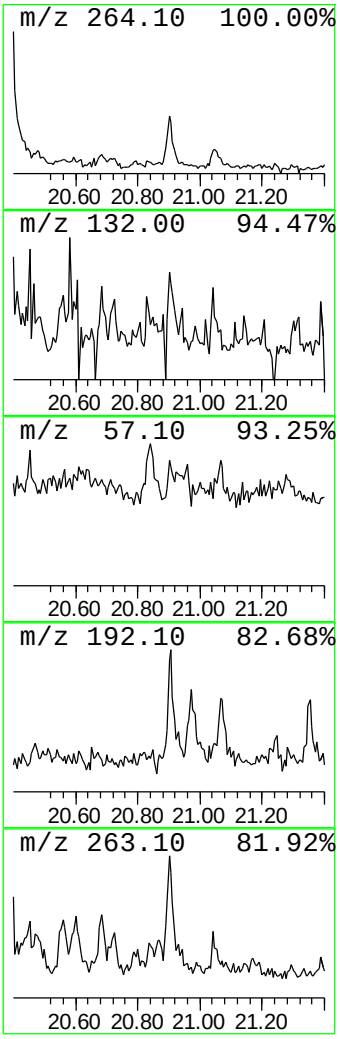
Peak Number 20 unknown20.90 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.86 ng	79517	Perylene-d12	20.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	27
2	Thiolphthalic anhydride, 4,5-dim...	192	C10H8O2S	057902-33-7	25
3	[1,1'-Biphenyl]-4-carbonitrile, ...	263	C19H21N	041122-70-7	22
4	Quinoline-1-thiocarboxamide, 1,2...	192	C10H12N2S	262853-30-5	22
5	3,4-Dihydro-5,6,7-trimethoxy-2-n...	264	C14H16O5	069791-82-8	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051517\
Data File : BF095128.D
Acq On : 15 May 2017 16:33
Operator : SJ/MA
Sample : I3120-01
Misc :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown5.42	5.14	13.1	ng	350848	1	7.78	535792	20.0
unknown7.44	7.44	85.5	ng	2290310	1	7.78	535792	20.0
Naphthalene, 1,4-...	12.10	3.0	ng	113869	3	12.62	755412	20.0
Naphthalene, 2,7-...	12.15	2.6	ng	99793	3	12.62	755412	20.0
4,6,8-Trimethylaz...	13.18	2.4	ng	89772	3	12.62	755412	20.0
Dodecane	13.46	2.6	ng	98339	3	12.62	755412	20.0
Decane, 2,6,8-tri...	13.82	5.2	ng	196514	3	12.62	755412	20.0
Pentadecane, 2,6,...	14.26	14.3	ng	520996	4	15.03	728355	20.0
Phenanthrene, 1-m...	15.81	3.0	ng	108073	4	15.03	728355	20.0
Phenanthrene, 2-m...	15.86	3.1	ng	112003	4	15.03	728355	20.0
4H-Cyclopenta[def...	15.97	3.8	ng	138089	4	15.03	728355	20.0
unknown15.98	15.98	7.6	ng	275185	4	15.03	728355	20.0
11H-Benzo[b]fluorene	17.58	2.4	ng	95053	5	18.70	807508	20.0
Pyrene, 1-methyl-	17.71	2.7	ng	108926	5	18.70	807508	20.0
unknown20.90	20.90	2.9	ng	79517	6	20.38	556174	20.0