LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.140	23	26	32	rBV3	29342	44560	1.46%	0.088%
2	3.752	125	130	137	rVB2	39835	68734	2.25%	0.136%
3	4.728	290	296	306	rBV	558766	787554	25.78%	1.560%
4	6.763	636	642	656	rVB	623242	1124710	36.81%	2.228%
5	6.922	661	669	681	rBV	488863	770873	25.23%	1.527%
6	7.110	694	701	712	rBV	698180	1131640	37.04%	2.241%
7	7.575	771	780	788	rBV	749880	1181352	38.67%	2.340%
8	8.110	866	871	878	rBV5	33716	58959	1.93%	0.117%
9	8.292	896	902	913	rBV	737314	1270133	41.57%	2.516%
10	8.734	971	977	989	rBV	633436	1086386	35.56%	2.152%
11	9.128	1039	1044	1050	rVB5	27271	42893	1.40%	0.085%
12	9.445	1090	1098	1110	rBV	562518	987859	32.33%	1.957%
13	9.981	1182	1189	1205	rBV	758683	1420481	46.49%	2.813%
14	10.351	1245	1252	1258	rBV	902466	1533243	50.19%	3.037%
15	10.504	1272	1278	1291	rBV	391231	771089	25.24%	1.527%
16	11.680	1472	1478	1489	rBV3	67472	126046	4.13%	0.250%
17	11.886	1506	1513	1522	rBV	274525	506080	16.56%	1.002%
18	13.645	1807	1812	1817	rBV	1306377	1926865	63.07%	3.816%
19	13.698	1817	1821	1829	rVB	270604	410910	13.45%	0.814%
20	13.916	1852	1858	1872	rVB	1556473	2409154	78.85%	4.772%
21	14.227	1904	1911	1919	rBV2	1236432	1896963	62.09%	3.757%
22	14.292	1919	1922	1926	rVB3	23068	36241	1.19%	0.072%
23	14.474	1946	1953	1963	rBV2	301547	667543	21.85%	1.322%
24	14.633	1977	1980	1989	rVB3	25263	51831	1.70%	0.103%
25	14.769	1999	2003	2008	rBV2	65188	94599	3.10%	0.187%
26	14.874	2017	2021	2029	rVB5	66050	97537	3.19%	0.193%
27	15.227	2075	2081	2087	rBV	1904936	2653662	86.86%	5.256%
28	15.286	2087	2091	2095	rVB2	42397	70371	2.30%	0.139%
29	15.368	2100	2105	2117	rBV	459780	783213	25.64%	1.551%
30	15.468	2117	2122	2125	rBV5	24842	43382	1.42%	0.086%
31	15.604	2139	2145	2151	rBV	354697	493488	16.15%	0.977%
32	15.698	2157	2161	2167	rBV2	59303	80134	2.62%	0.159%
33	15.874	2187	2191	2196	rBV4	25337	36949	1.21%	0.073%
34	15.933	2198	2201	2203	rVV2	41593	51806	1.70%	0.103%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

35	15.980	2204	2209	2212	rVV4	73840	130526	4.27%	0.259%
36	16.021	2212	2216	2220	rVB4	53729	80275	2.63%	0.159%
37	16.515	2296	2300	2306	rBV9	20576	33282	1.09%	0.066%
38	16.639	2313	2321	2330	rBV	1646427	2483425	81.29%	4.919%
39	16.727	2331	2336	2340	rVV7	57586	97429	3.19%	0.193%
40	16.763	2340	2342	2346	rVB4	30967	40589	1.33%	0.080%
41	16.892	2360	2364	2367	rBV2	59229	76451	2.50%	0.151%
42	16.921	2367	2369	2374	rVV6	46103	59588	1.95%	0.118%
43	16.986	2374	2380	2384	rVV	1409409	2037110	66.68%	4.035%
44	17.027	2384	2387	2391	rVV	297824	380178	12.44%	0.753%
45	17.086	2391	2397	2400	rVV	1818974	2655310	86.91%	5.259%
46	17.115	2400	2402	2410	rVV	433513	571088	18.69%	1.131%
47	17.210	2413	2418	2423	rVB3	108002	170148	5.57%	0.337%
48	17.398	2443	2450	2461	rVB2	113462	267137	8.74%	0.529%
49	17.580	2477	2481	2482	rBV4	41302	55414	1.81%	0.110%
50	17.774	2508	2514	2520	rBV9	83706	149956	4.91%	0.297%
51	17.857	2523	2528	2530	rBV6	42402	74828	2.45%	0.148%
52	17.892	2530	2534	2542	rVB4	186905	322841	10.57%	0.639%
53	17.998	2548	2552	2555	rBV6	35427	57313	1.88%	0.114%
54	18.057	2558	2562	2570	rVB2	113692	193887	6.35%	0.384%
55	18.180	2580	2583	2586	rVB5	28616	30961	1.01%	0.061%
56	18.268	2594	2598	2602	rBV7	19938	40471	1.32%	0.080%
57	18.368	2612	2615	2619	rVV5	52135	70059	2.29%	0.139%
58	18.415	2619	2623	2628	rVB2	107407	157029	5.14%	0.311%
59	18.686	2665	2669	2679	rVB	83849	150634	4.93%	0.298%
60	18.821	2689	2692	2696	rVB5	44053	60552	1.98%	0.120%
61	18.933	2706	2711	2715	rBV	140382	205269	6.72%	0.407%
62	19.051	2725	2731	2737	rVB	1289999	1725839	56.49%	3.418%
63	19.180	2750	2753	2764	rVB10	111162	180710	5.91%	0.358%
64	19.280	2768	2770	2775	rVB3	76001	112375	3.68%	0.223%
65	19.386	2783	2788	2791	rBV	2087393	3055180	100.00%	6.051%
66	19.415	2791	2793	2803	rVB	1124938	1340025	43.86%	2.654%
67	19.604	2822	2825	2829	rBV3	44507	74401	2.44%	0.147%
68	19.668	2831	2836	2841	rVV	260217	353789	11.58%	0.701%
69	19.727	2843	2846	2856	rVB2	221747	355296	11.63%	0.704%
70	19.809	2857	2860	2862	rBV2	47642	58001	1.90%	0.115%
71	19.880	2869	2872	2874	rBV4	50787	69422	2.27%	0.137%

LSC Area Percent Report

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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

72	20.674	3004	3007	3013	rVB2	122081	171864	5.63%	0.340%
73	20.909	3044	3047	3054	rVB3	248343	374766	12.27%	0.742%
74	21.186	3089	3094	3098	rBV	1687662	2307871	75.54%	4.571%
75	21.221	3098	3100	3104	rVB	238802	240900	7.88%	0.477%
76	22.721	3352	3355	3360	rBV	239077	361545	11.83%	0.716%
77	23.239	3437	3443	3448	rBV2	1410874	2491290	81.54%	4.934%
78	23.374	3461	3466	3473	rVB	1039363	1848180	60.49%	3.660%

Sum of corrected areas: 50490444

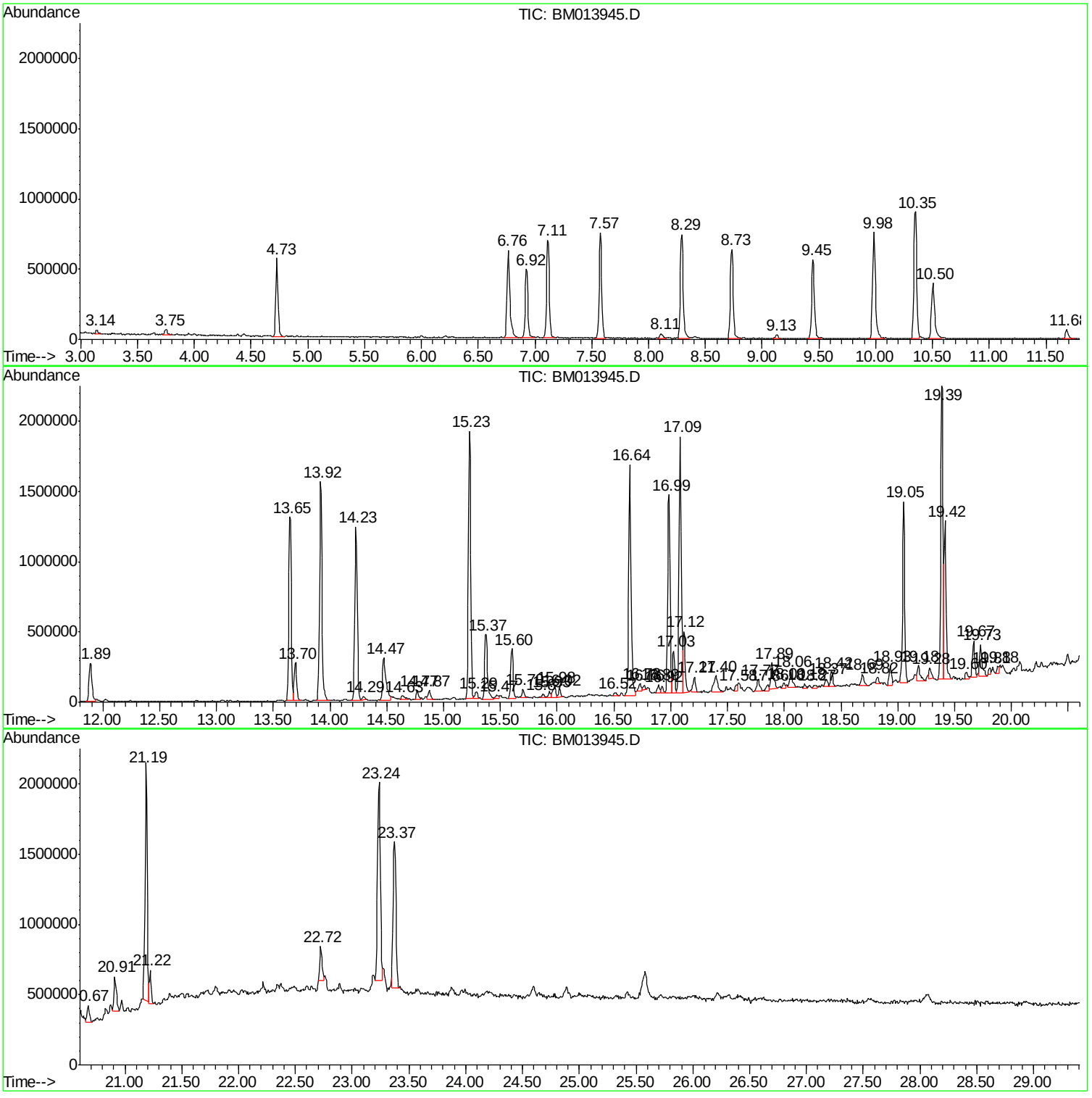
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

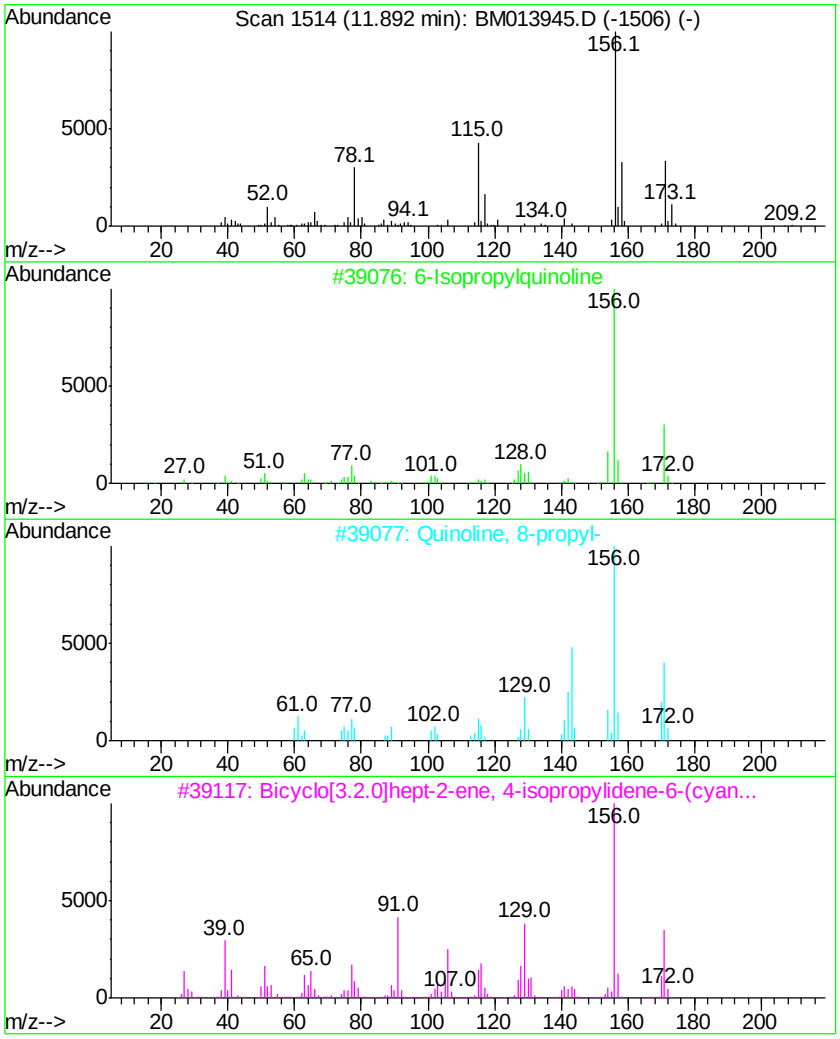
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

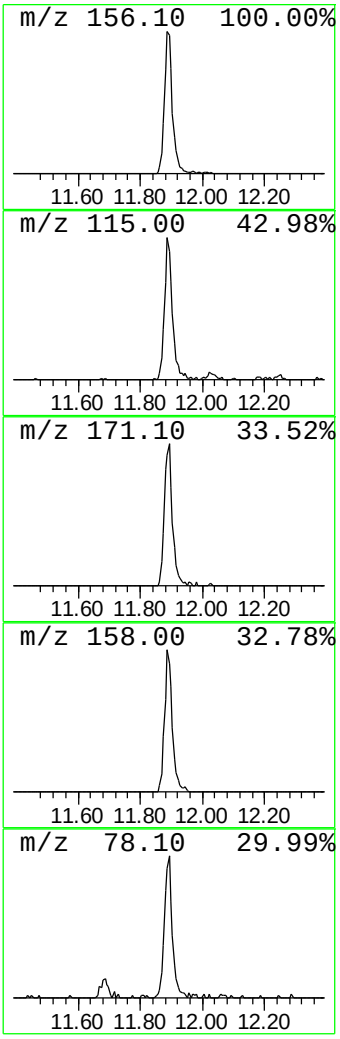
****

Peak Number 2 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.60 ng/ul	506080	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	37
2	Quinoline, 8-propyl-	171	C12H13N	007661-53-2	32
3	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32
4	2,2'-Bipyridine	156	C10H8N2	000366-18-7	27
5	4,4'-Bipyridine	156	C10H8N2	000553-26-4	27





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

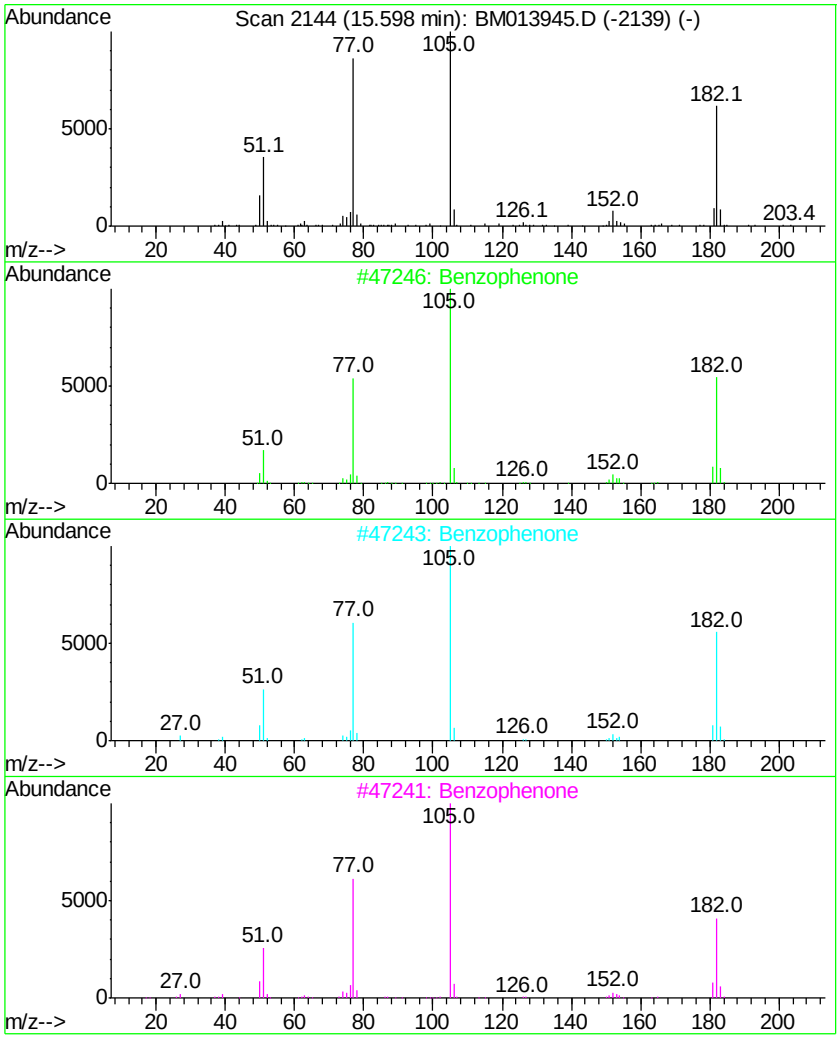
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

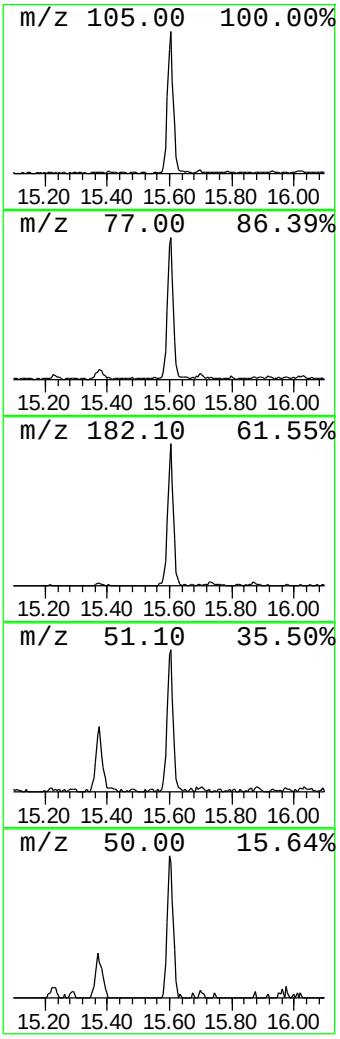
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	5.20 ng/ul	493488	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzophenone	182	C13H10O	000119-61-9	96
3	Benzophenone	182	C13H10O	000119-61-9	94
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Benzophenone	182	C13H10O	000119-61-9	80





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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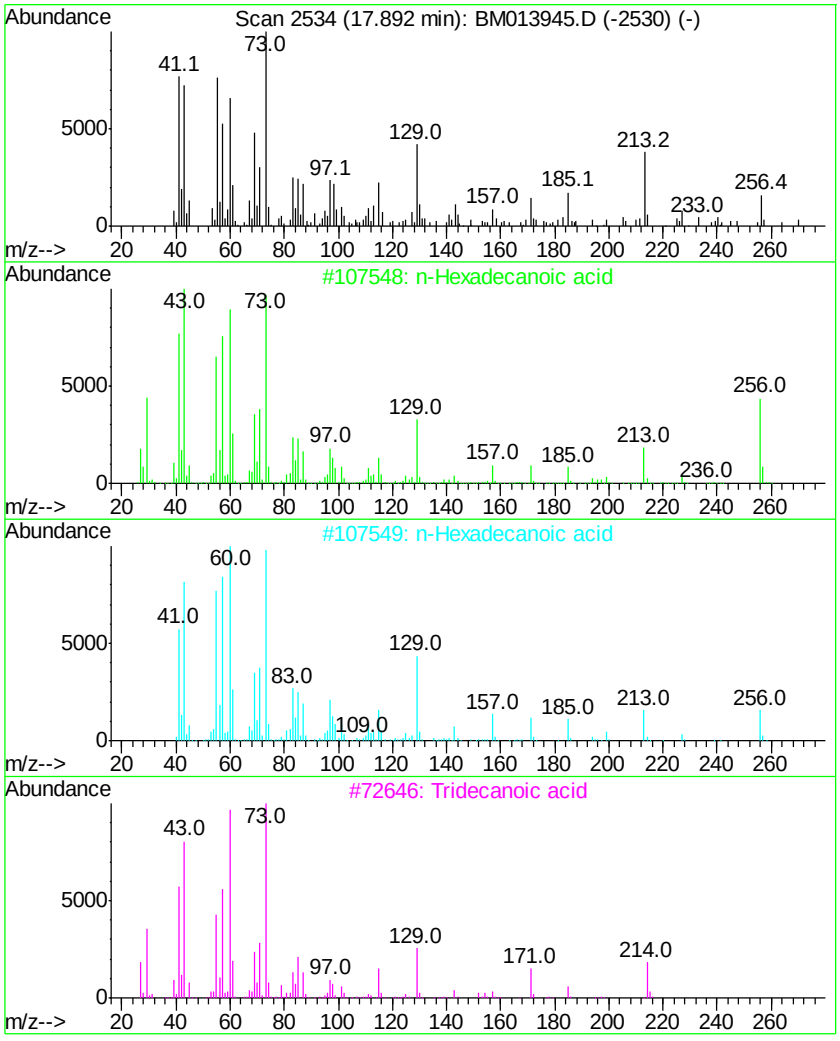
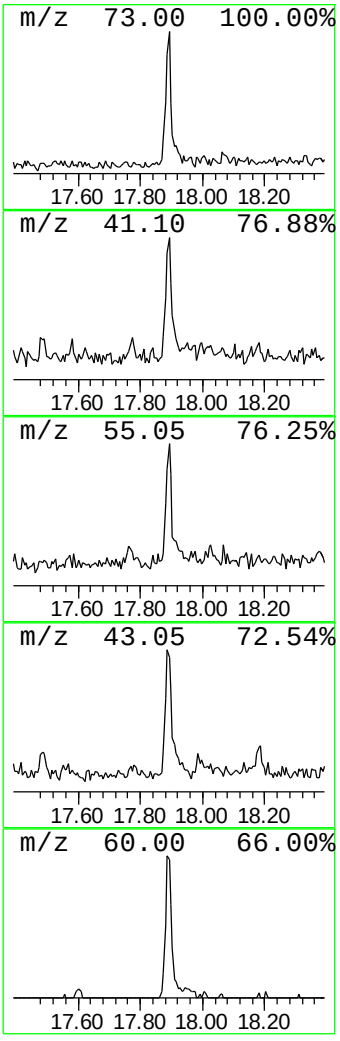
Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.17 ng/ul	322841	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	52





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
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Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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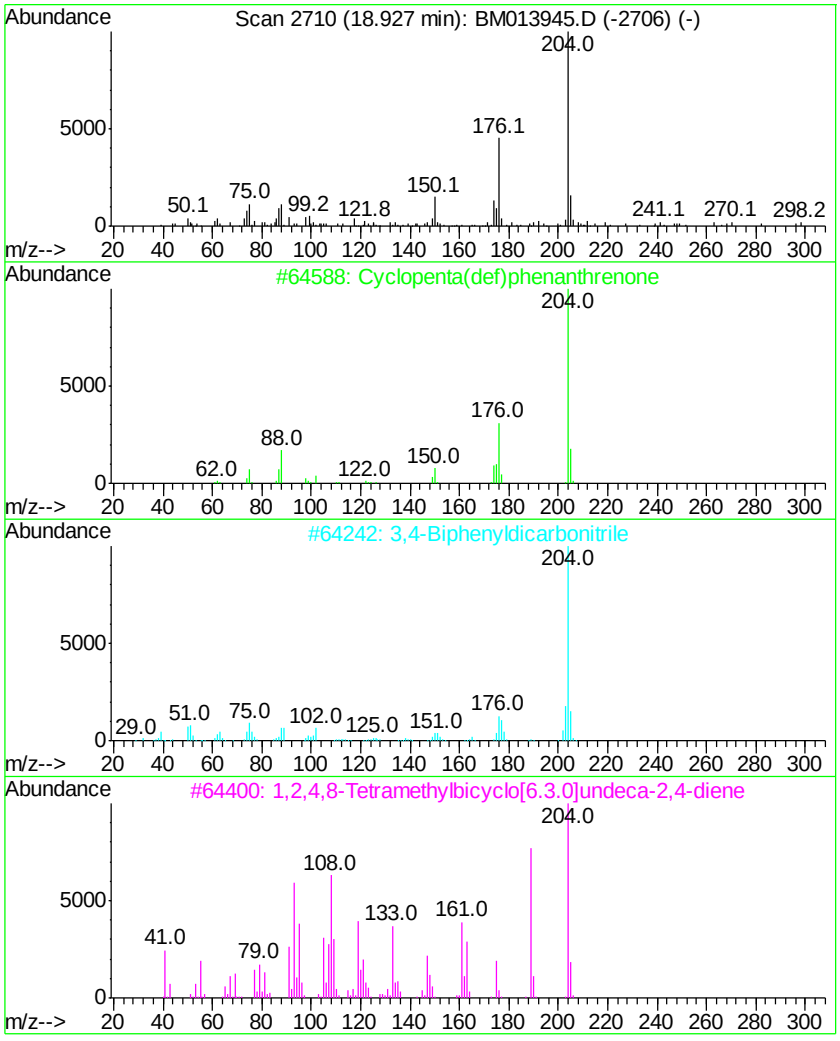
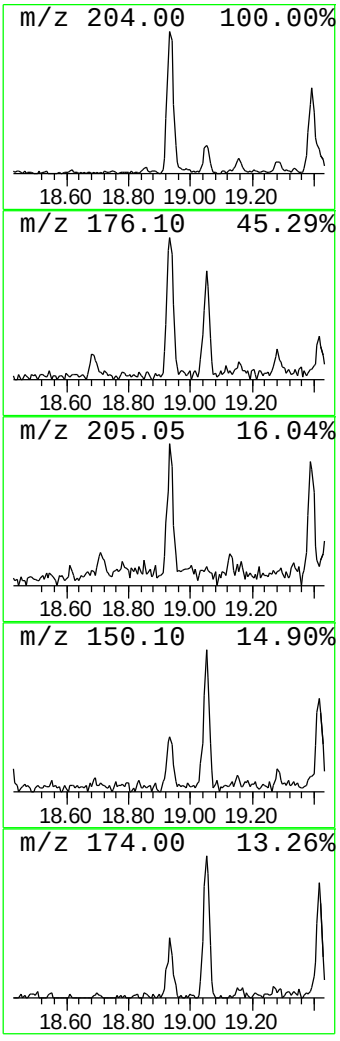
Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.02 ng/ul	205269	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	43





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Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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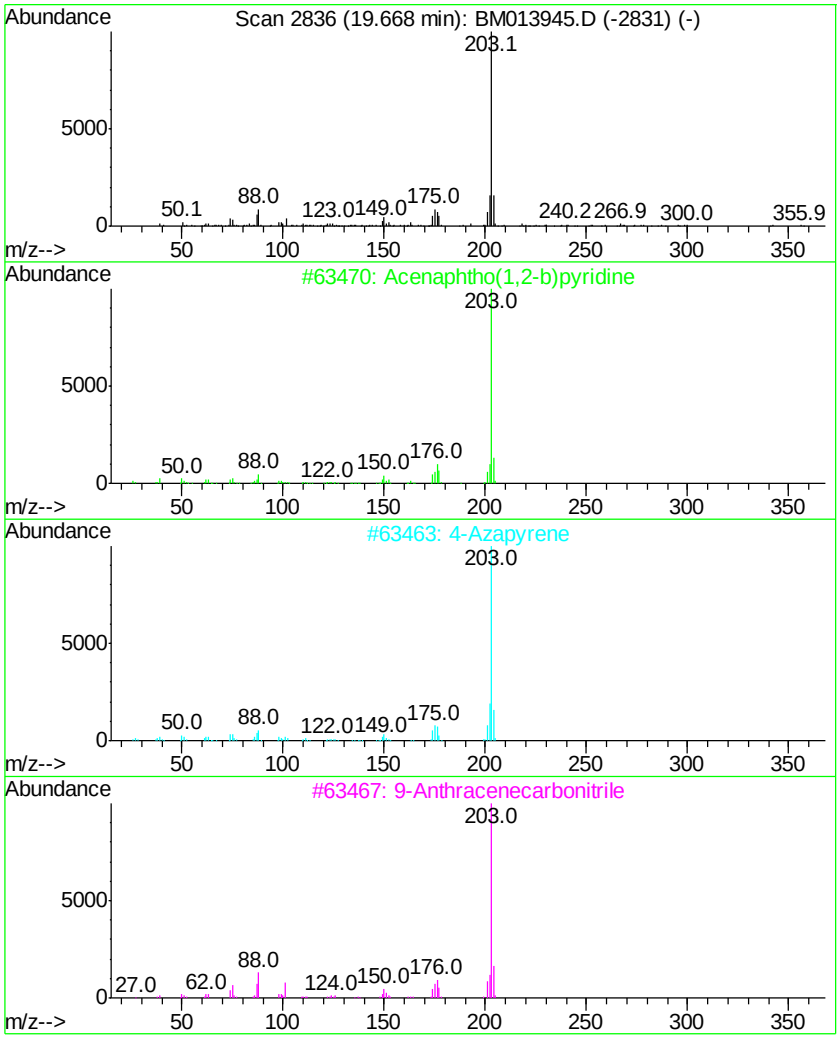
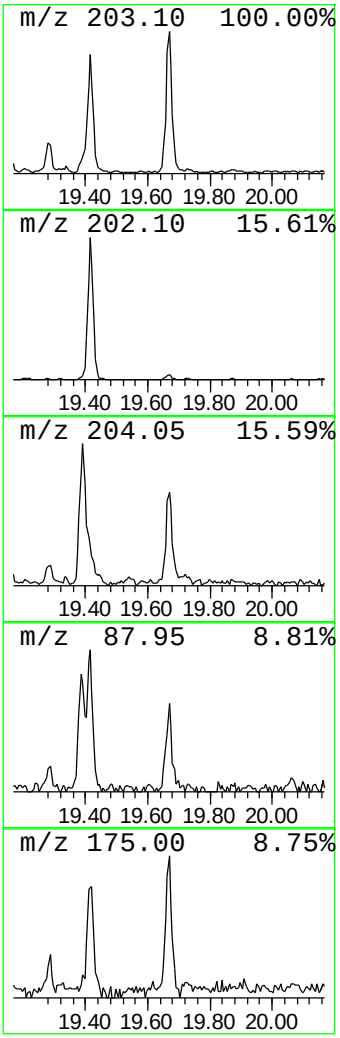
Peak Number 6 Acenaphtho(1,2-b)pyridine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	3.07 ng/ul	353789	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	95
2	4-Azapyrene	203	C15H9N	000194-03-6	95
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	95
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
5	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	94





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Data File : BM013945.D
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Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

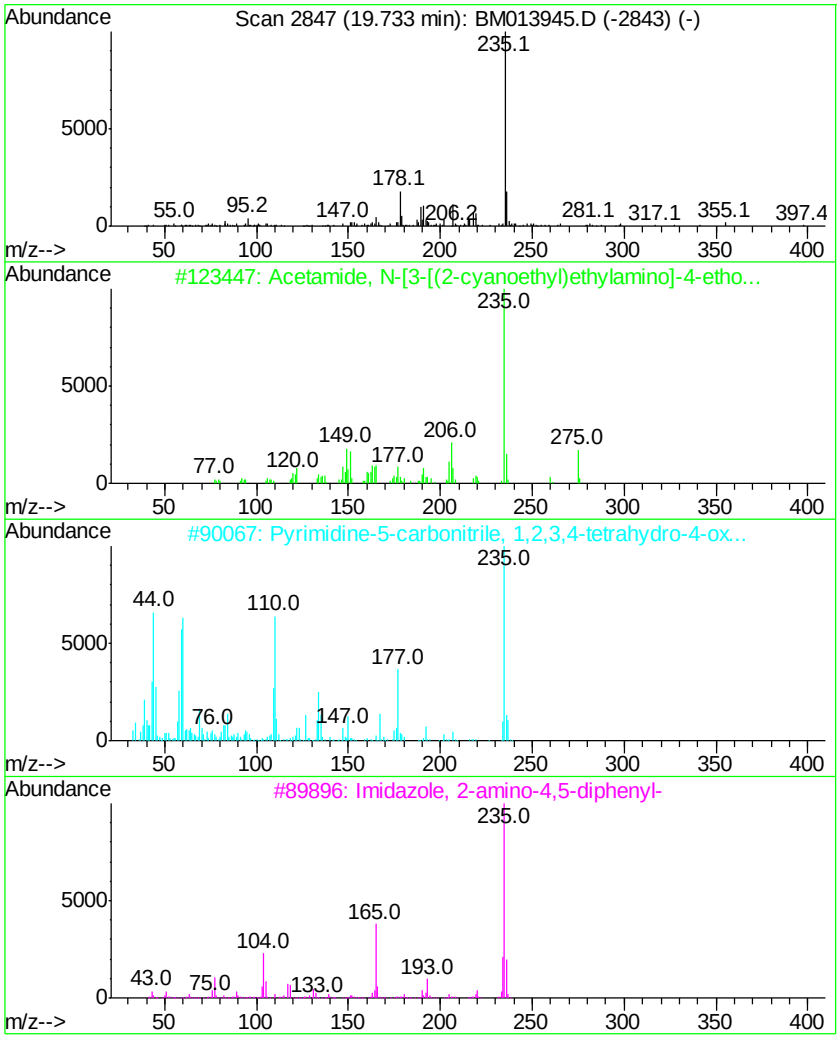
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

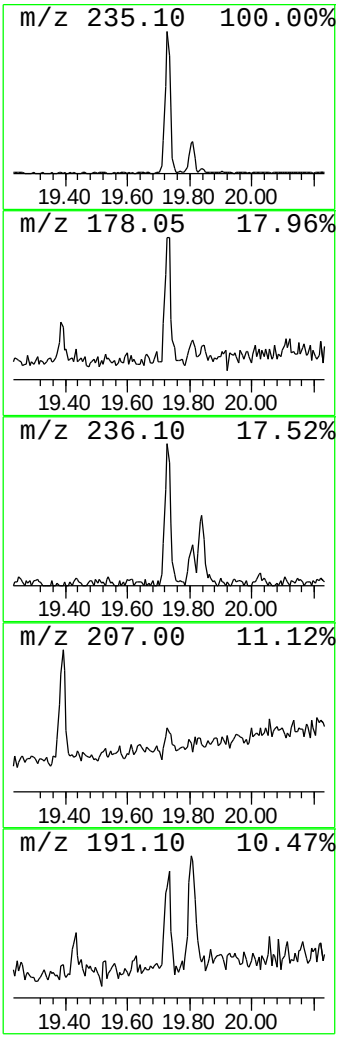
****

Peak Number 7 Acetamide, N-[3-[(2-cyanoet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	3.08 ng/ul	355296	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-[3-[(2-cyanoethyl)e...	275	C15H21N3O2	067905-64-0	64
2	Pyrimidine-5-carbonitrile, 1,2,3...	235	C9H5N3OS2	109532-65-2	53
3	Imidazole, 2-amino-4,5-diphenyl-	235	C15H13N3	037980-29-3	53
4	1,5-Diazabicyclo[3.1.0]hexane-6-...	236	C16H16N2	1000277-06-9	53
5	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	50





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
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Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

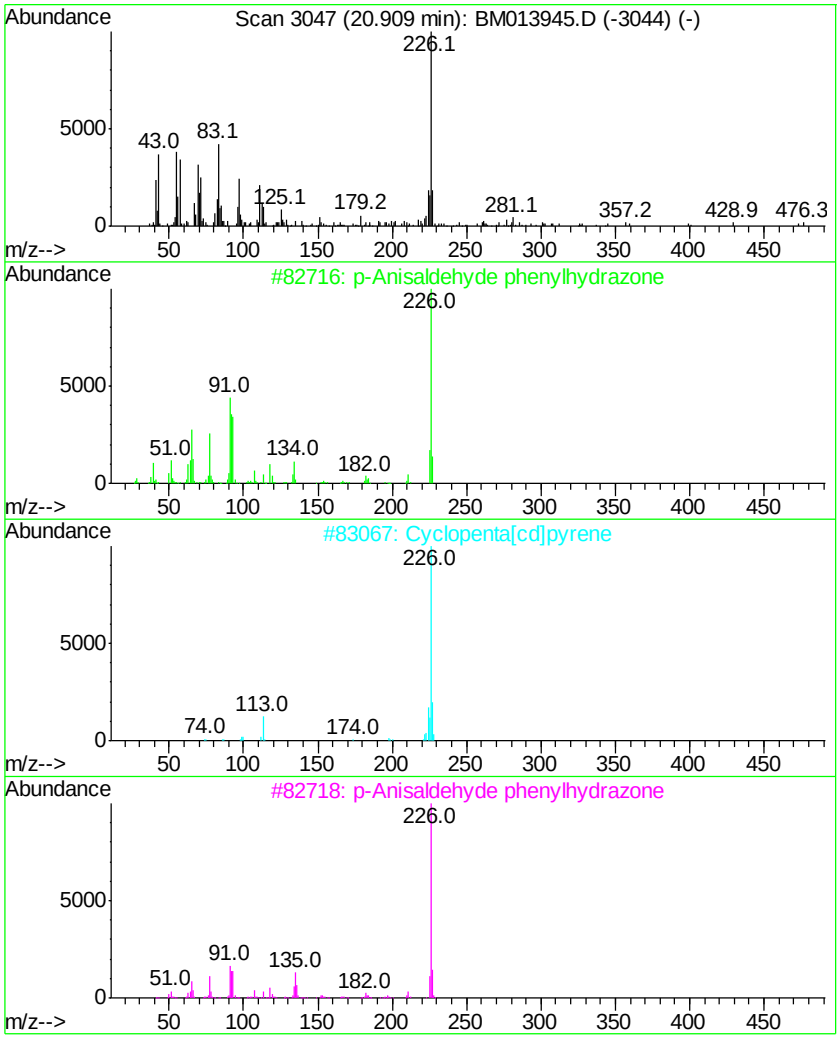
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

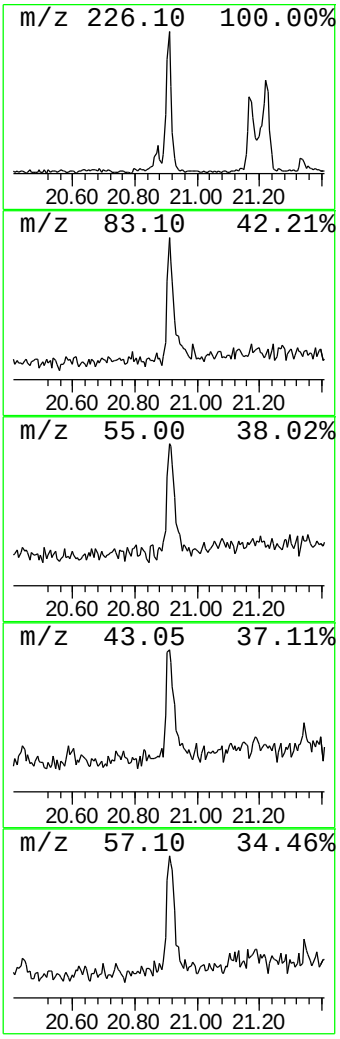
****

Peak Number 8 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	3.25 ng/ul	374766	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	38
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	38
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	35
5	2-Phenyl-4,5-methylenedioxybenza...	226	C14H10O3	004432-95-5	35





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_M\DATA\BM012818\
Data File : BM013945.D
Acq On : 29 Jan 2018 04:48
Operator : SJ/JU
Sample : J1243-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B29

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA 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
unknown-01	11.89	6.6	ng/ul	506080	2	10.35	1533240	20.0
Benzophenone	15.60	5.2	ng/ul	493488	3	14.23	1896960	20.0
n-Hexadecanoic acid	17.89	3.2	ng/ul	322841	4	16.99	2037110	20.0
Cyclopenta(def)ph...	18.93	2.0	ng/ul	205269	4	16.99	2037110	20.0
Acenaphtho(1,2-b)...	19.67	3.1	ng/ul	353789	5	21.19	2307870	20.0
Acetamide, N-[3-[...	19.73	3.1	ng/ul	355296	5	21.19	2307870	20.0
unknown-02	20.91	3.3	ng/ul	374766	5	21.19	2307870	20.0