LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

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-BM062017.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	6.169	554	558	564	rBV3	22667	30368	1.59%	0.180%
2	7.457	771	777	784	rVB	275278	405085	21.24%	2.398%
3	7.822	834	839	845	rBV2	34194	48844	2.56%	0.289%
4	7.987	861	867	873	rBV	47006	71446	3.75%	0.423%
5	9.628	1142	1146	1157	rVB5	10581	23511	1.23%	0.139%
6	10.222	1240	1247	1250	rBV	383088	620664	32.54%	3.674%
7	10.269	1250	1255	1263	rVB	1073337	1732163	90.80%	10.253%
8	10.386	1269	1275	1283	rVB2	40372	69620	3.65%	0.412%
9	11.892	1525	1531	1539	rBV	393886	595154	31.20%	3.523%
10	12.116	1562	1569	1576	rVB	178632	273595	14.34%	1.619%
11	12.933	1702	1708	1713	rVB	87581	118949	6.24%	0.704%
12	13.127	1736	1741	1749	rBV2	28957	39848	2.09%	0.236%
13	13.263	1759	1764	1765	rBV	43215	54067	2.83%	0.320%
14	13.422	1785	1791	1796	rBV2	60670	100591	5.27%	0.595%
15	13.480	1796	1801	1805	rVB2	43021	57400	3.01%	0.340%
16	13.663	1825	1832	1836	rBV2	25436	35320	1.85%	0.209%
17	13.827	1856	1860	1865	rVB3	23556	31848	1.67%	0.189%
18	14.110	1900	1908	1914	rBV2	633884	971951	50.95%	5.753%
19	14.174	1914	1919	1927	rVV	307740	456660	23.94%	2.703%
20	14.421	1954	1961	1966	rVB5	11777	19628	1.03%	0.116%
21	14.510	1970	1976	1984	rVV	285921	397009	20.81%	2.350%
22	15.104	2073	2077	2082	rBV3	13446	20137	1.06%	0.119%
23	15.163	2082	2087	2093	rBV	369890	503290	26.38%	2.979%
24	15.327	2111	2115	2120	rVB3	38308	52678	2.76%	0.312%
25	15.416	2126	2130	2134	rVB	16963	21149	1.11%	0.125%
26	15.463	2134	2138	2147	rVB2	52314	67559	3.54%	0.400%
27	15.610	2158	2163	2171	rVB	55389	100679	5.28%	0.596%
28	16.174	2247	2259	2264	rBV3	36244	67193	3.52%	0.398%
29	16.321	2278	2284	2290	rVB2	14158	22191	1.16%	0.131%
30	16.598	2326	2331	2337	rBV	16038	26225	1.37%	0.155%
31	16.680	2337	2345	2350	rVV	72911	100802	5.28%	0.597%
32	16.862	2370	2376	2380	rBV2	909255	1307637	68.55%	7.740%
33	16.904	2380	2383	2389	rVV	1170191	1541156	80.79%	9.122%
34	16.992	2394	2398	2404	rVV	174769	243014	12.74%	1.438%

LSC Area Percent Report

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Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

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-BM062017.M
Title : SVOA CALIBRATION

35	17.268	2441	2445	2450	rBV	82733	104233	5.46%	0.617%
36	17.739	2520	2525	2529	rBV	74181	93774	4.92%	0.555%
37	17.786	2529	2533	2540	rVB	103985	143867	7.54%	0.852%
38	17.868	2540	2547	2551	rBV	39814	55920	2.93%	0.331%
39	17.933	2551	2558	2562	rVV2	138917	215529	11.30%	1.276%
40	17.968	2562	2564	2569	rVV3	35797	42392	2.22%	0.251%
41	18.251	2607	2612	2618	rVB	53782	69762	3.66%	0.413%
42	18.668	2677	2683	2689	rBV3	23034	42176	2.21%	0.250%
43	18.739	2689	2695	2698	rBV6	14200	21935	1.15%	0.130%
44	18.933	2722	2728	2736	rBV	748951	982712	51.52%	5.817%
45	19.180	2765	2770	2774	rBV2	20855	27650	1.45%	0.164%
46	19.298	2781	2790	2794	rBV2	458426	808641	42.39%	4.787%
47	19.333	2794	2796	2799	rVV2	43347	44737	2.35%	0.265%
48	19.374	2799	2803	2811	rVB2	25581	42006	2.20%	0.249%
49	19.486	2816	2822	2828	rVB	29219	43092	2.26%	0.255%
50	19.633	2841	2847	2852	rBV4	24984	57168	3.00%	0.338%
51	19.768	2865	2870	2871	rBV4	19525	25801	1.35%	0.153%
52	19.803	2872	2876	2881	rVB	98041	128908	6.76%	0.763%
53	19.903	2888	2893	2897	rBV	115741	143123	7.50%	0.847%
54	19.956	2897	2902	2907	rVB4	37536	57859	3.03%	0.342%
55	20.051	2914	2918	2921	rVB6	13281	21070	1.10%	0.125%
56	20.103	2921	2927	2930	rBV3	15152	23891	1.25%	0.141%
57	20.145	2930	2934	2938	rBV4	15074	28700	1.50%	0.170%
58	20.721	3028	3032	3035	rBV3	33431	45724	2.40%	0.271%
59	20.762	3036	3039	3042	rVV2	28300	30350	1.59%	0.180%
60	20.798	3042	3045	3049	rVV3	15755	25996	1.36%	0.154%
61	21.080	3085	3093	3097	rBV2	1291507	1907579	100.00%	11.291%
62	21.115	3097	3099	3105	rVB	122382	129771	6.80%	0.768%
63	21.233	3114	3119	3123	rBV5	33448	44795	2.35%	0.265%
64	21.380	3142	3144	3149	rVB5	15584	22771	1.19%	0.135%
65	22.580	3344	3348	3349	rBV3	45869	58200	3.05%	0.345%
66	23.215	3450	3456	3462	rBV	659148	1176463	61.67%	6.964%

Sum of corrected areas: 16894026

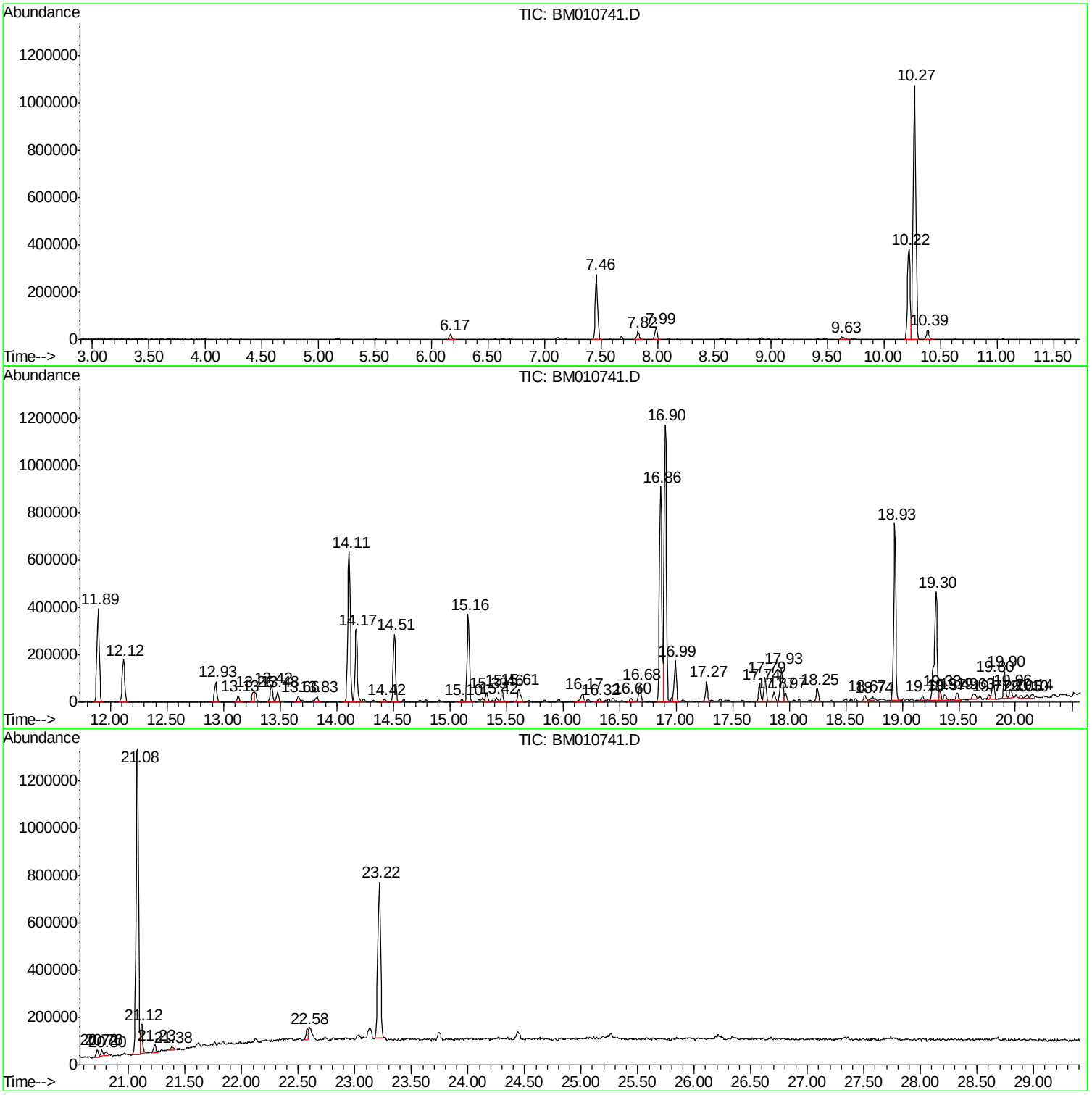
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
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Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

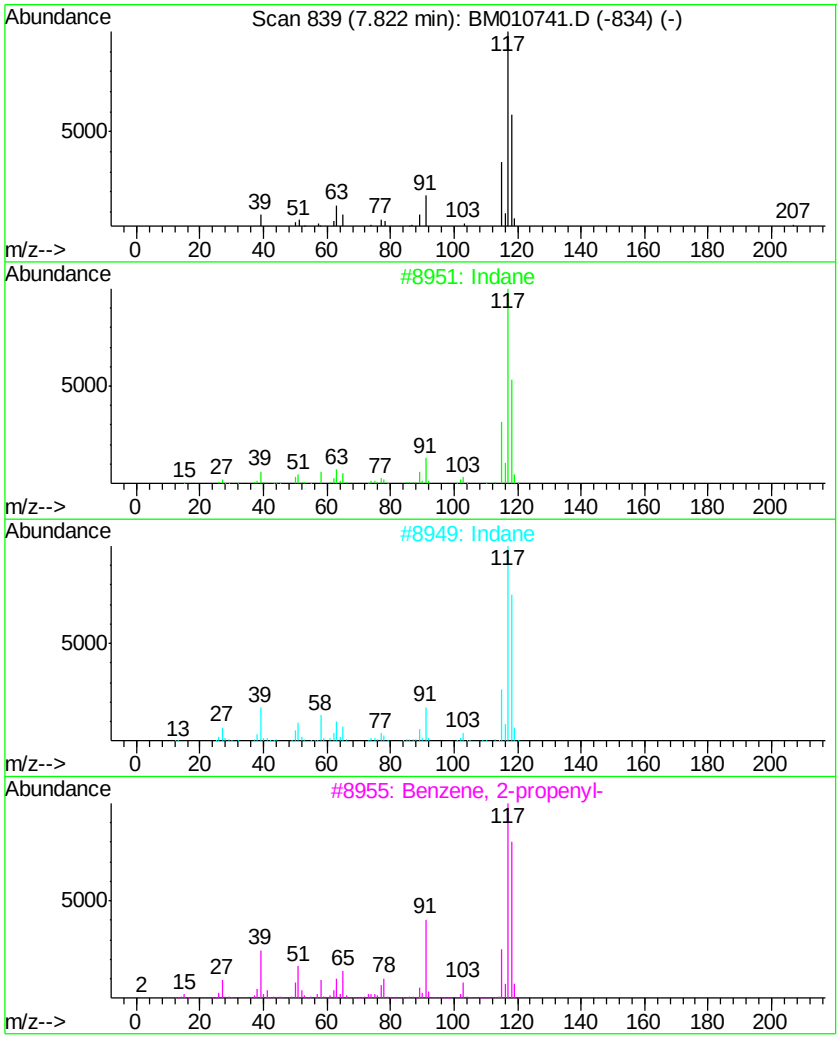
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

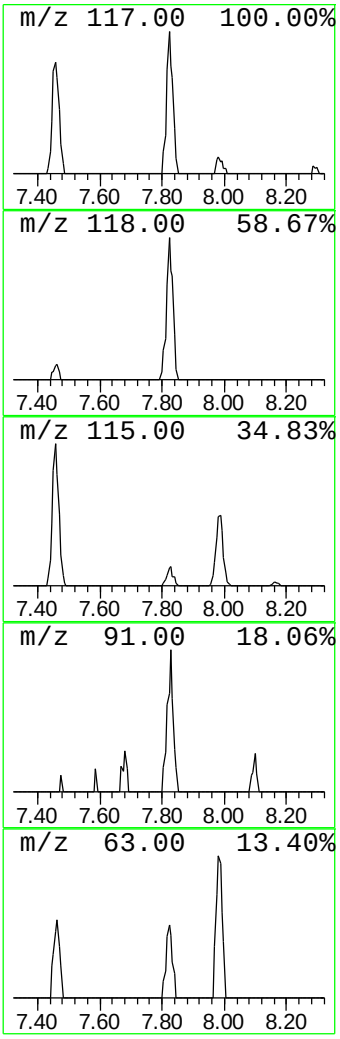
****

Peak Number 1 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	2.41 ng/ul	48844	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Indane	118	C9H10	000496-11-7	83
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

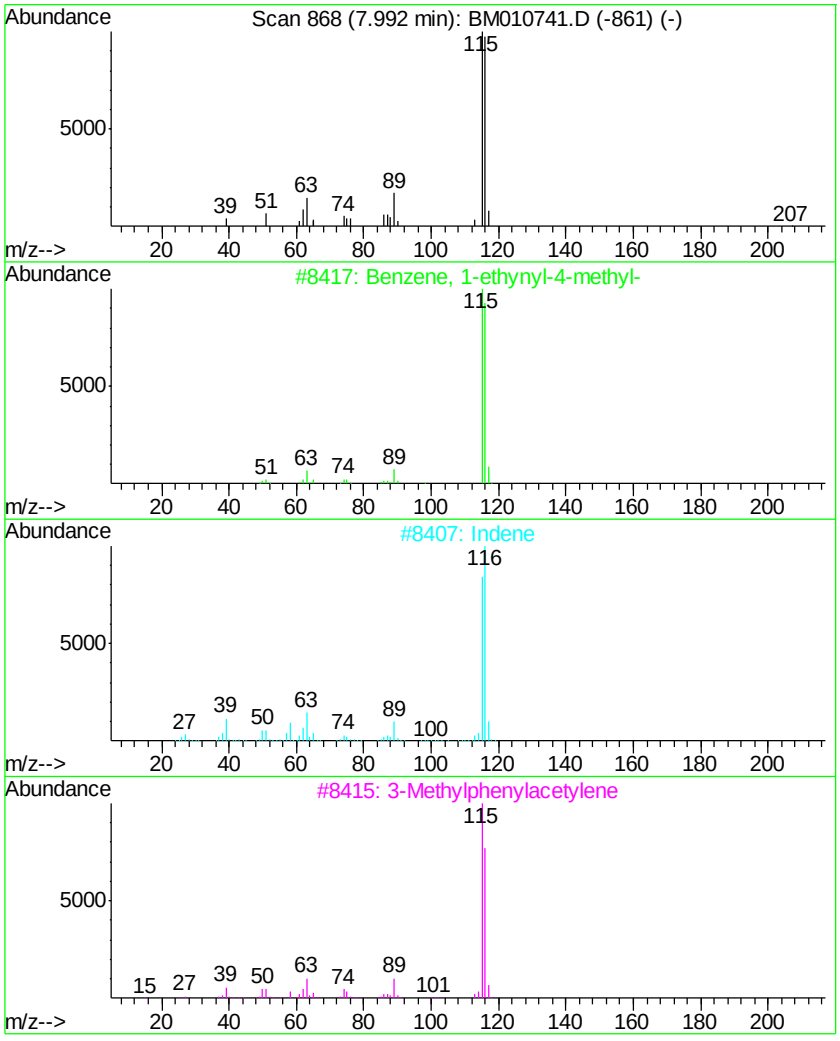
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

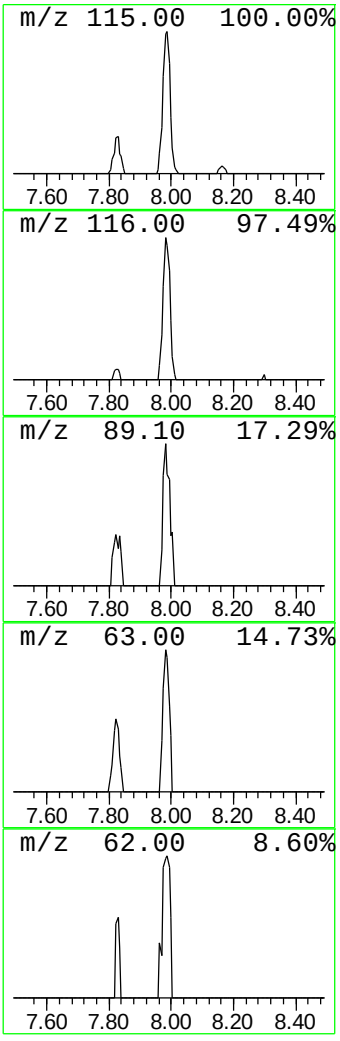
****

Peak Number 2 Benzene, 1-ethynyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	3.53 ng/ul	71446	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87
2	Indene	116	C9H8	000095-13-6	87
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	87
4	Indene	116	C9H8	000095-13-6	87
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

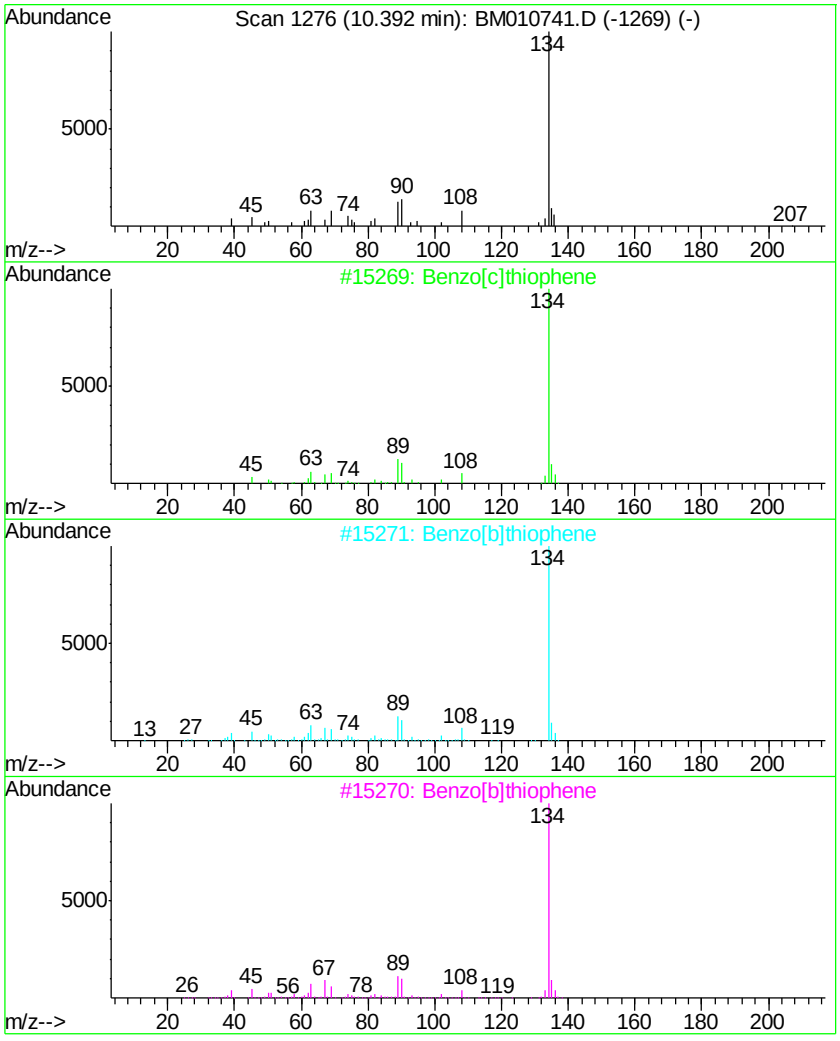
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

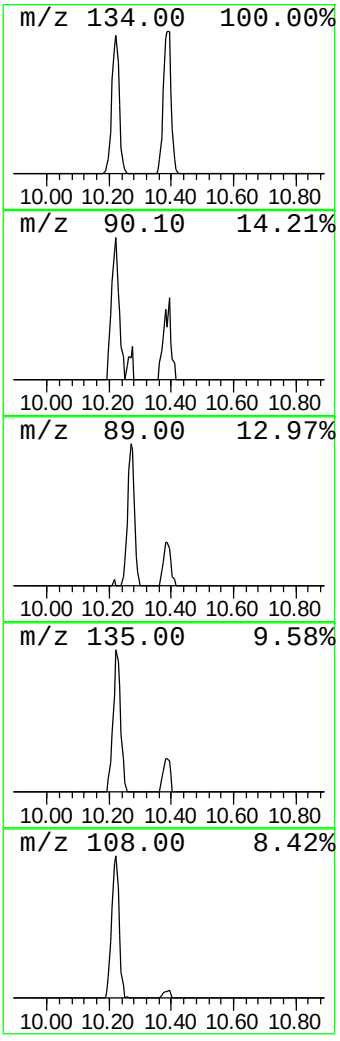
****

Peak Number 3 Benzo[c]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.24 ng/ul	69620	Naphthalene-d8	10.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	91
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

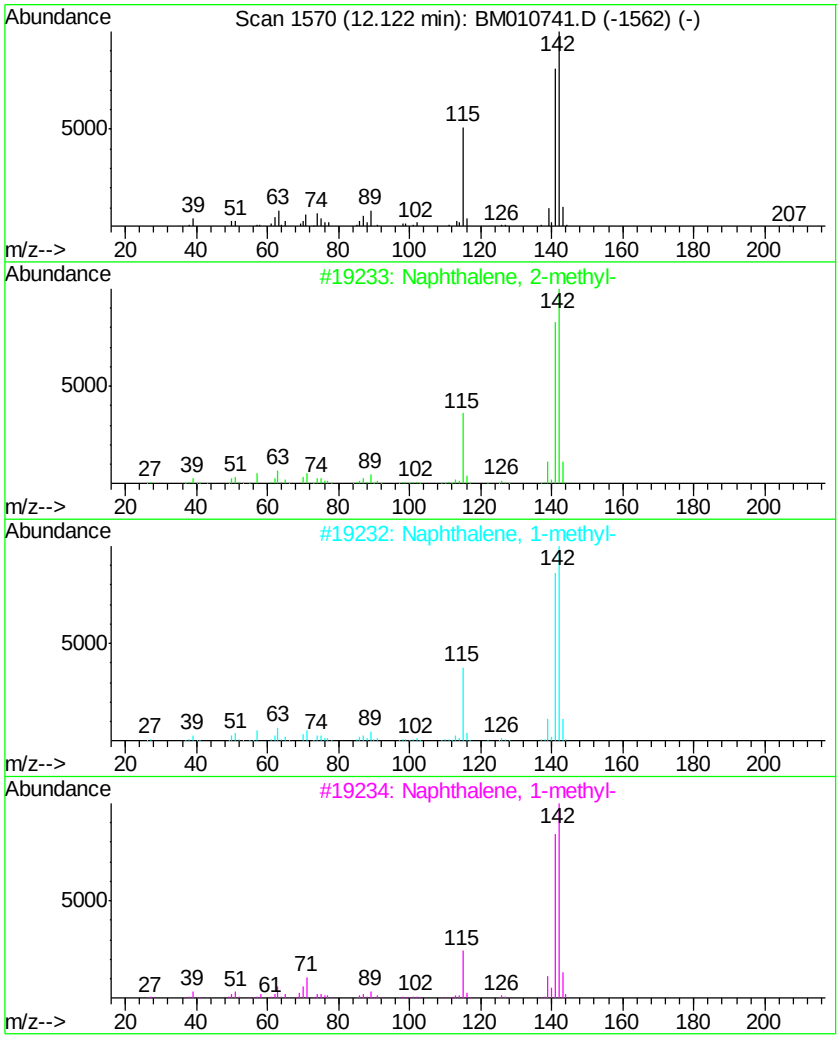
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

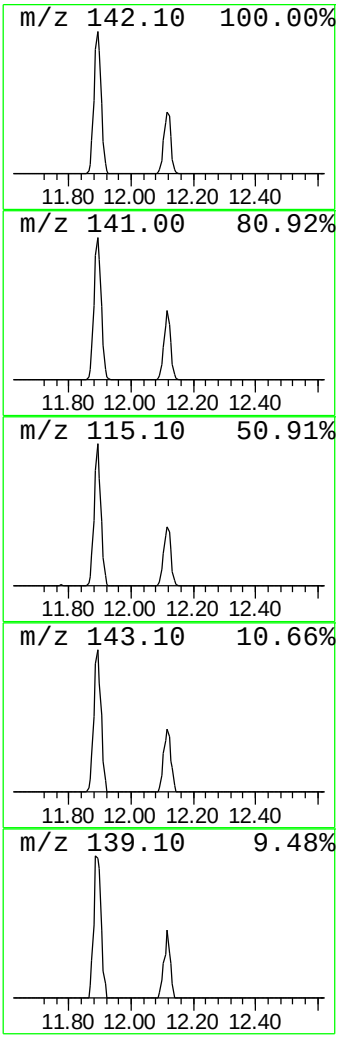
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	8.82 ng/ul	273595	Naphthalene-d8	10.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

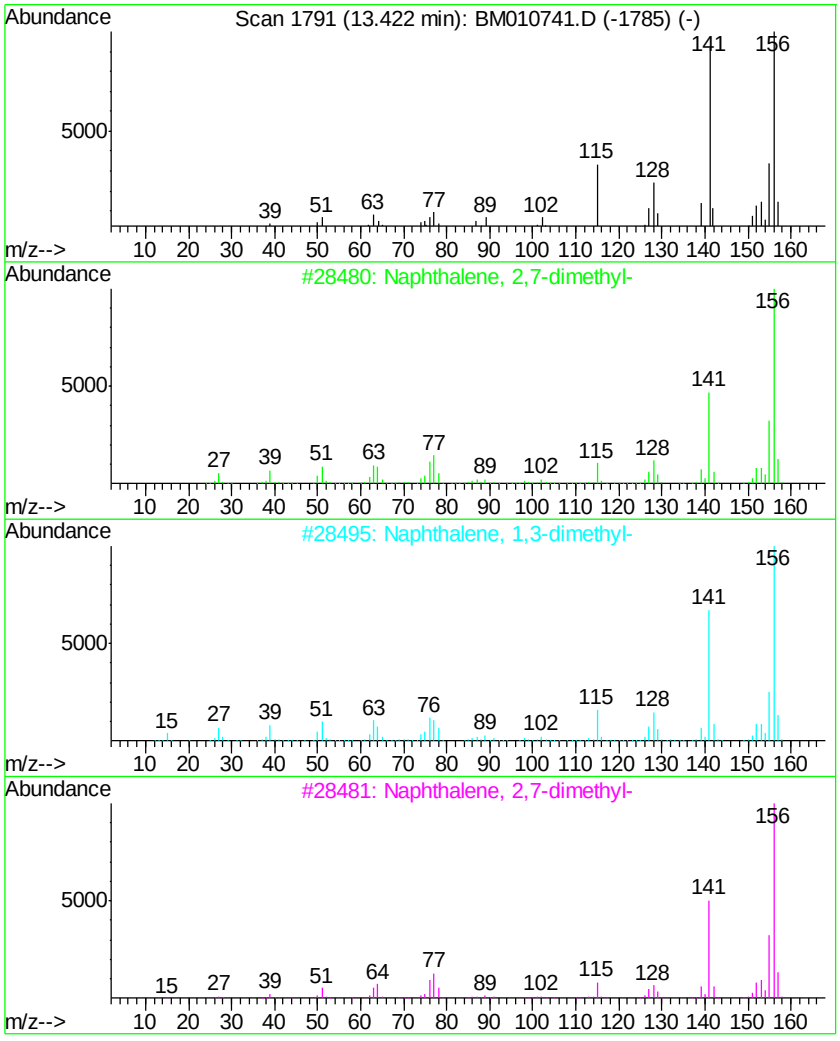
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

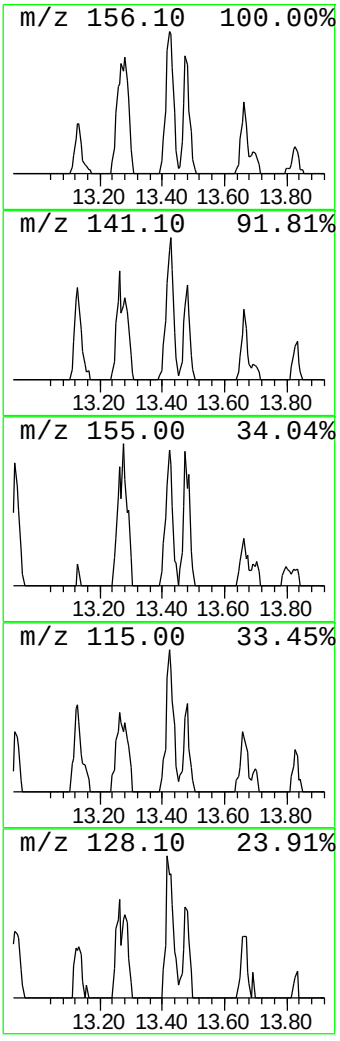
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	2.07 ng/ul	100591	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94





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Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

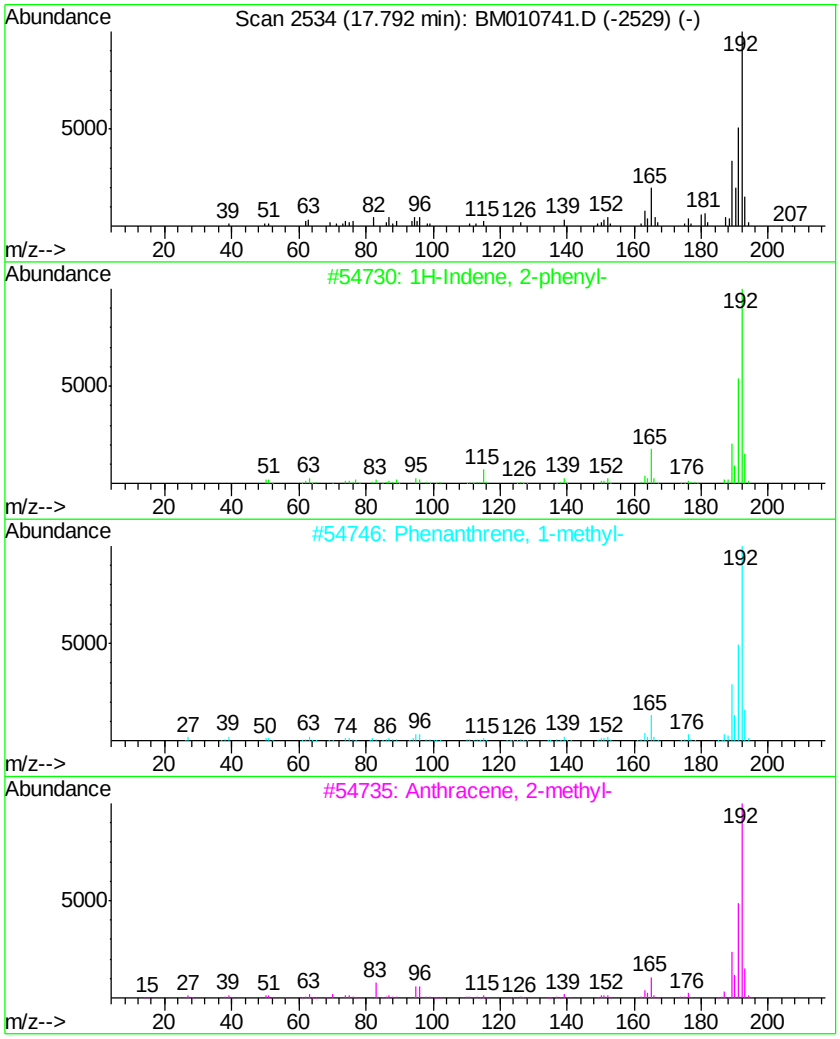
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

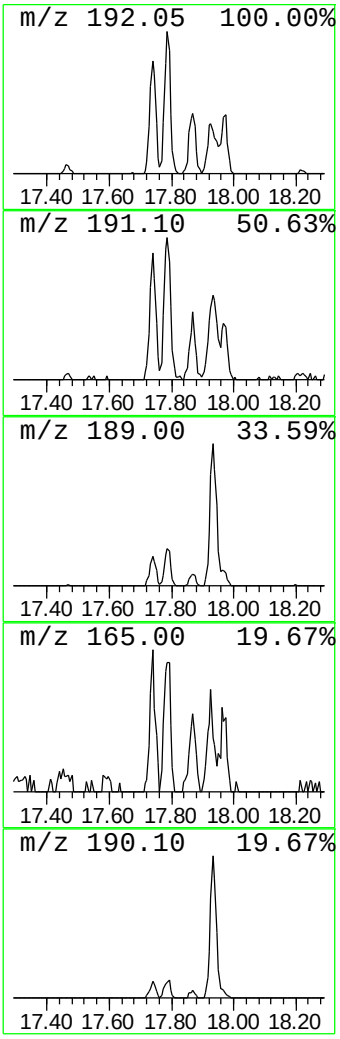
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.20 ng/ul	143867	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

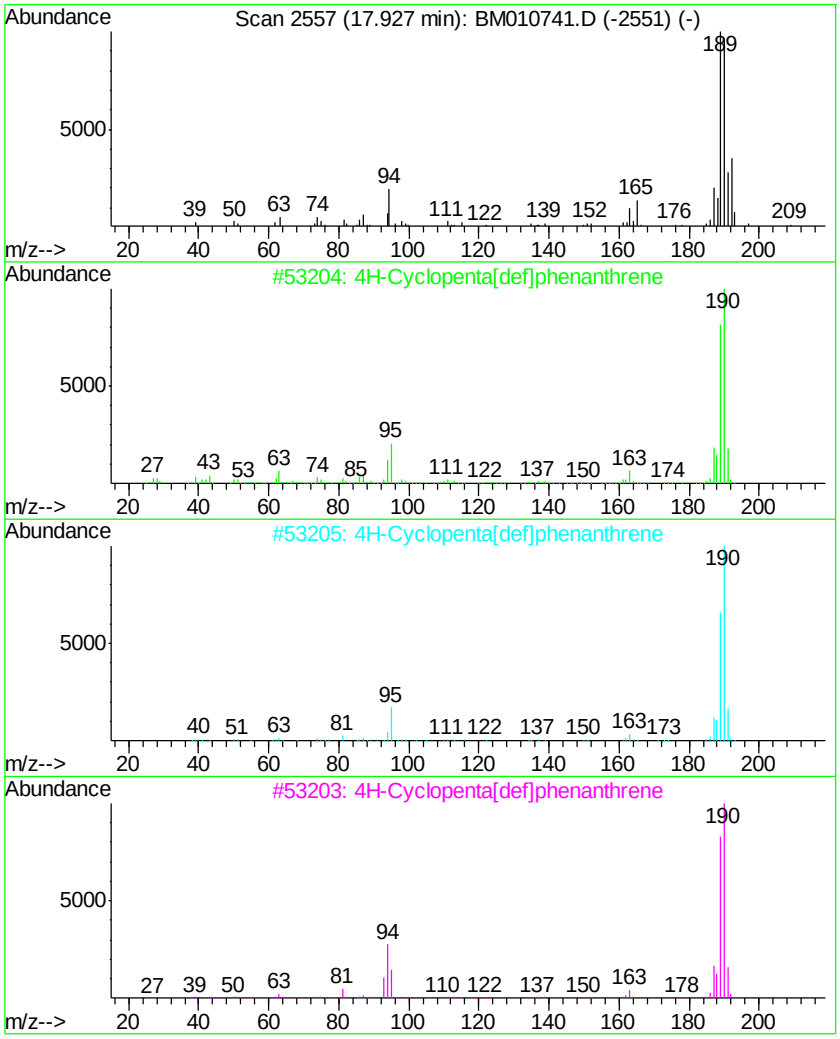
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

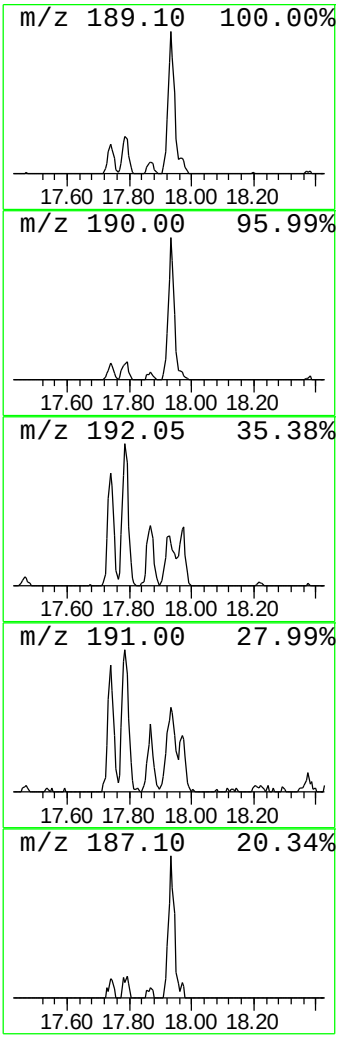
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.30 ng/ul	215529	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Phenantro[9,10-b]furazano[3,4-c]...	272	C16H8N4O	024294-86-8	17





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010741.D
Acq On : 24 Jun 2017 21:52
Operator : SJ/JU
Sample : I3653-05MEDL 100X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B22MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
Indane	7.82	2.4	ng/ul	48844	1	7.46	405085	20.0
Benzene, 1-ethyny...	7.99	3.5	ng/ul	71446	1	7.46	405085	20.0
Benzo[c]thiophene	10.39	2.2	ng/ul	69620	2	10.22	620664	20.0
Naphthalene, 1-me...	12.12	8.8	ng/ul	273595	2	10.22	620664	20.0
Naphthalene, 2,7-...	13.42	2.1	ng/ul	100591	3	14.11	971951	20.0
1H-Indene, 2-phenyl-	17.79	2.2	ng/ul	143867	4	16.86	1307640	20.0
4H-Cyclopenta[def...	17.93	3.3	ng/ul	215529	4	16.86	1307640	20.0