LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

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-BM101217.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	5.087	335	340	349	rBV2	42959	80354	1.24%	0.141%
2	5.410	390	395	408	rBV	66267	155687	2.40%	0.274%
3	5.775	450	457	464	rBV2	106086	193156	2.98%	0.340%
4	6.751	618	623	628	rBV	79757	122385	1.89%	0.215%
5	6.857	636	641	646	rBV	165805	275114	4.25%	0.484%
6	6.916	646	651	655	rVV2	109824	189478	2.92%	0.333%
7	6.993	655	664	677	rVV3	202512	598410	9.24%	1.053%
8	7.116	680	685	689	rVV	133909	233508	3.60%	0.411%
9	7.157	689	692	698	rVB	74319	112978	1.74%	0.199%
10	7.316	713	719	725	rBV	222667	398349	6.15%	0.701%
11	7.375	725	729	733	rVV	195621	309194	4.77%	0.544%
12	7.416	733	736	743	rVB	193066	298696	4.61%	0.526%
13	7.781	792	798	811	rVB	1068730	1861946	28.74%	3.276%
14	7.887	811	816	822	rBV2	111975	195073	3.01%	0.343%
15	8.281	875	883	886	rBV3	34501	89946	1.39%	0.158%
16	8.316	886	889	899	rVB3	69759	159194	2.46%	0.280%
17	8.416	899	906	912	rBV2	116603	220735	3.41%	0.388%
18	8.516	917	923	930	rBV2	196886	420859	6.50%	0.740%
19	8.875	978	984	992	rVB3	57188	119083	1.84%	0.210%
20	8.963	992	999	1000	rBV	198771	316366	4.88%	0.557%
21	8.981	1000	1002	1013	rVB2	240910	382752	5.91%	0.673%
22	9.122	1020	1026	1034	rVB7	38716	86082	1.33%	0.151%
23	9.681	1115	1121	1129	rBV2	144411	282979	4.37%	0.498%
24	10.239	1206	1216	1231	rBV2	149743	471505	7.28%	0.830%
25	10.534	1260	1266	1268	rBV	71150	113472	1.75%	0.200%
26	10.581	1268	1274	1281	rVV	1374791	2450254	37.82%	4.311%
27	10.634	1281	1283	1290	rVB	86183	125500	1.94%	0.221%
28	10.757	1298	1304	1324	rVB3	67800	231005	3.57%	0.406%
29	11.916	1496	1501	1507	rBV2	37957	78482	1.21%	0.138%
30	13.845	1823	1829	1833	rBV	426599	625190	9.65%	1.100%
31	13.892	1833	1837	1851	rVB	254015	413785	6.39%	0.728%
32	14.133	1872	1878	1890	rBV2	505565	912290	14.08%	1.605%
33	14.316	1903	1909	1916	rBV2	40992	67128	1.04%	0.118%
34	14.439	1923	1930	1936	rBV2	1839725	2952248	45.57%	5.194%

LSC Area Percent Report

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Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

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-BM101217.M
Title : SVOA CALIBRATION

35	14.504	1936	1941	1948	rVB	188214	305268	4.71%	0.537%
36	14.739	1975	1981	1989	rBV7	47182	143774	2.22%	0.253%
37	14.845	1992	1999	2008	rVB	69289	144166	2.23%	0.254%
38	15.433	2093	2099	2104	rBV	600611	915745	14.13%	1.611%
39	15.492	2104	2109	2120	rVB2	153020	262456	4.05%	0.462%
40	15.798	2154	2161	2173	rVB2	246079	412343	6.36%	0.725%
41	16.851	2336	2340	2347	rVB2	60352	97473	1.50%	0.171%
42	16.933	2347	2354	2359	rBV5	72524	172408	2.66%	0.303%
43	17.010	2363	2367	2372	rVB	89429	134205	2.07%	0.236%
44	17.186	2391	2397	2401	rBV2	2044920	3018895	46.60%	5.311%
45	17.227	2401	2404	2410	rVV	1673393	2347875	36.24%	4.131%
46	17.286	2410	2414	2418	rVV	610501	961759	14.84%	1.692%
47	17.321	2418	2420	2426	rVB	337268	434473	6.71%	0.764%
48	17.604	2461	2468	2474	rBV2	143766	289788	4.47%	0.510%
49	18.062	2541	2546	2550	rBV	416675	613813	9.47%	1.080%
50	18.110	2550	2554	2557	rVV	255435	407957	6.30%	0.718%
51	18.139	2557	2559	2565	rVB	292804	303668	4.69%	0.534%
52	18.198	2565	2569	2573	rVB	92085	145292	2.24%	0.256%
53	18.257	2574	2579	2583	rBV3	321988	559378	8.63%	0.984%
54	18.562	2627	2631	2636	rBV	153090	215701	3.33%	0.380%
55	18.621	2638	2641	2649	rVB	150314	219349	3.39%	0.386%
56	18.980	2699	2702	2706	rBV2	143215	179659	2.77%	0.316%
57	19.251	2742	2748	2753	rBV	3221067	4452700	68.73%	7.834%
58	19.345	2761	2764	2770	rBV2	201509	300938	4.64%	0.529%
59	19.580	2799	2804	2806	rBV2	1281536	1768888	27.30%	3.112%
60	19.615	2806	2810	2818	rVB	2663350	3892295	60.08%	6.848%
61	20.104	2891	2893	2898	rVB2	344322	422659	6.52%	0.744%
62	20.209	2908	2911	2915	rBV	232823	307284	4.74%	0.541%
63	20.486	2956	2958	2964	rVB	497259	548324	8.46%	0.965%
64	21.368	3102	3108	3112	rBV2	3435185	6478870	100.00%	11.399%
65	21.409	3112	3115	3124	rVB	1730097	2291562	35.37%	4.032%
66	22.980	3378	3382	3387	rBV	1327308	2737980	42.26%	4.817%
67	23.574	3479	3483	3491	rVB	1361729	2538719	39.18%	4.467%
68	23.674	3495	3500	3505	rVV	1837729	3268396	50.45%	5.750%

Sum of corrected areas: 56837243

LSC Report - Integrated Chromatogram

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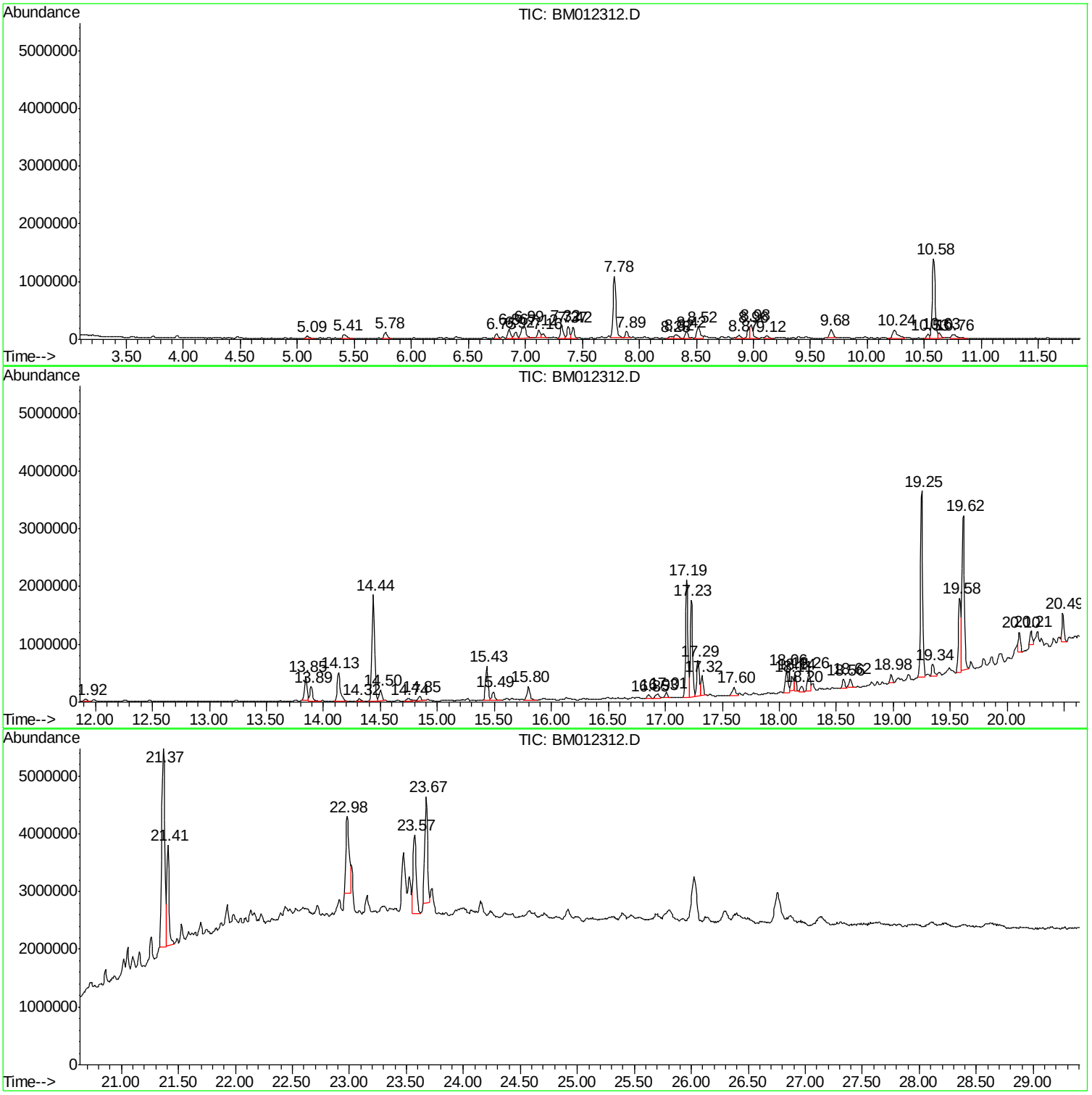
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
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Misc :
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Instrument :
BNA_M
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B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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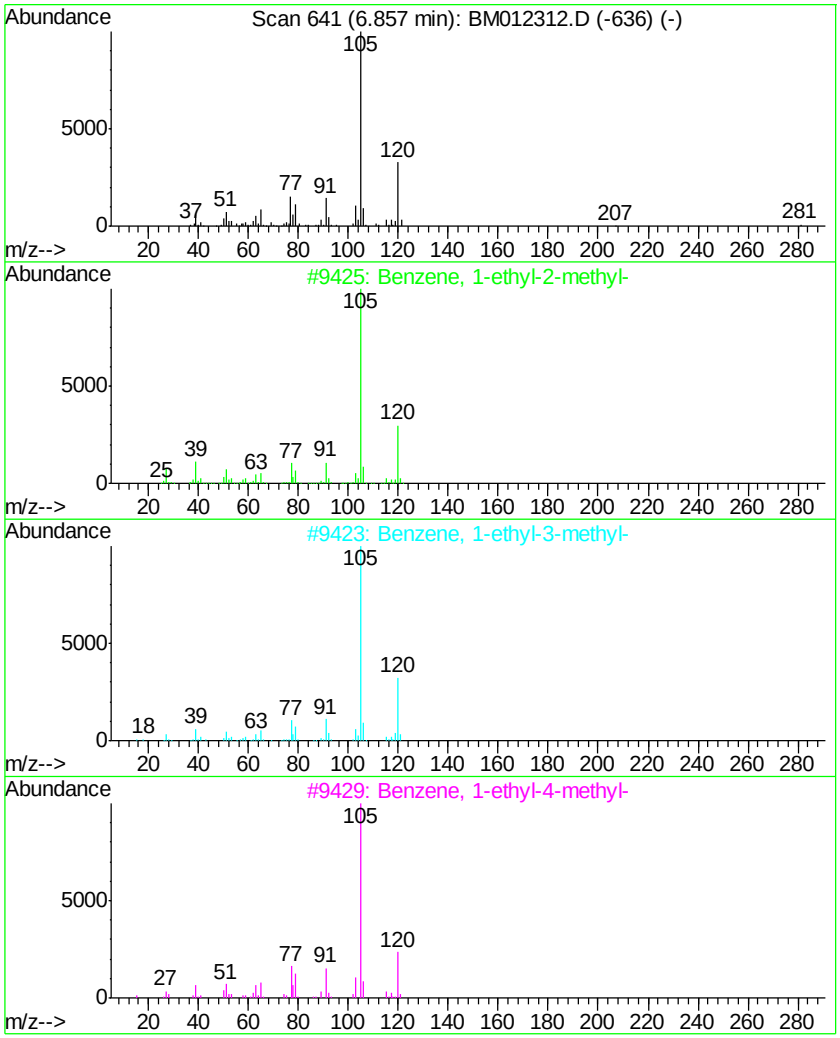
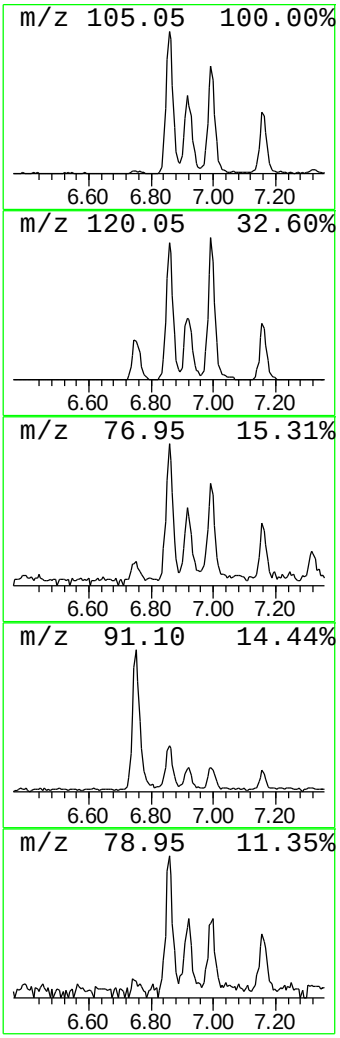
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	2.96 ng/ul	275114	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

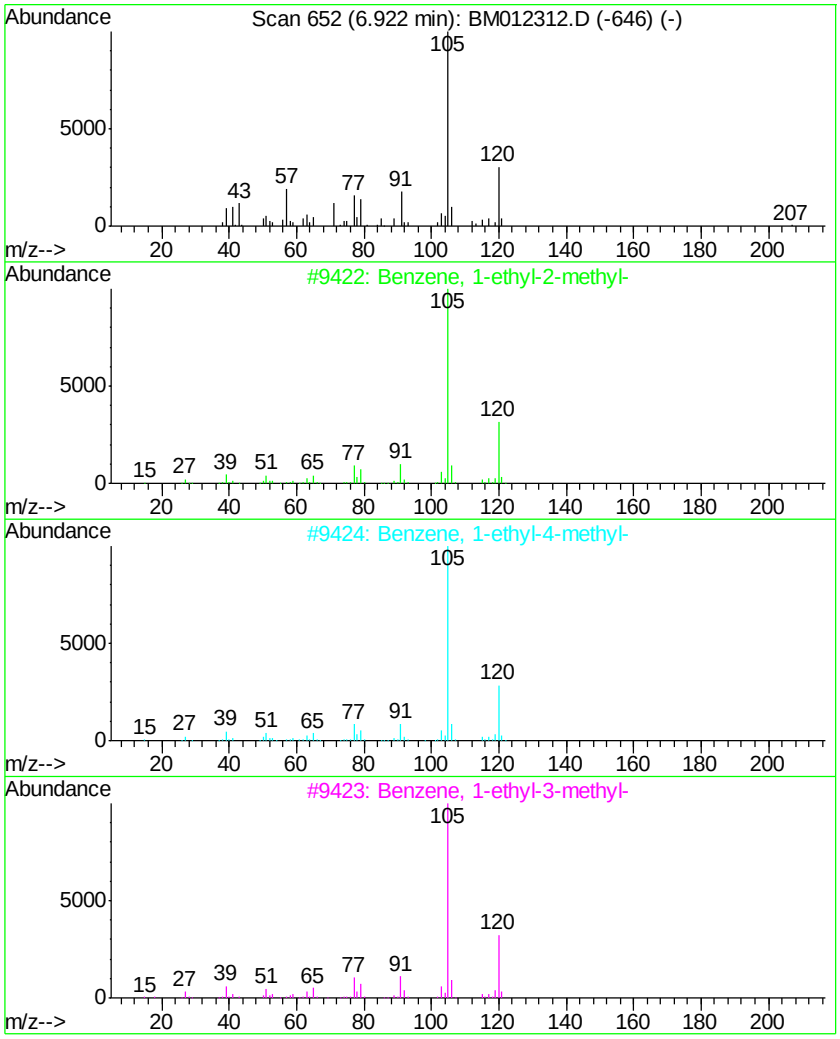
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

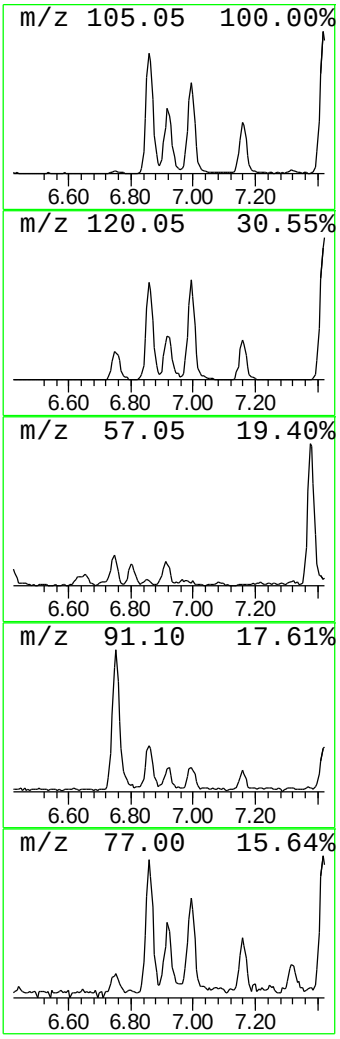
****

Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	2.04 ng/ul	189478	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
5	Mesitylene	120	C9H12	000108-67-8	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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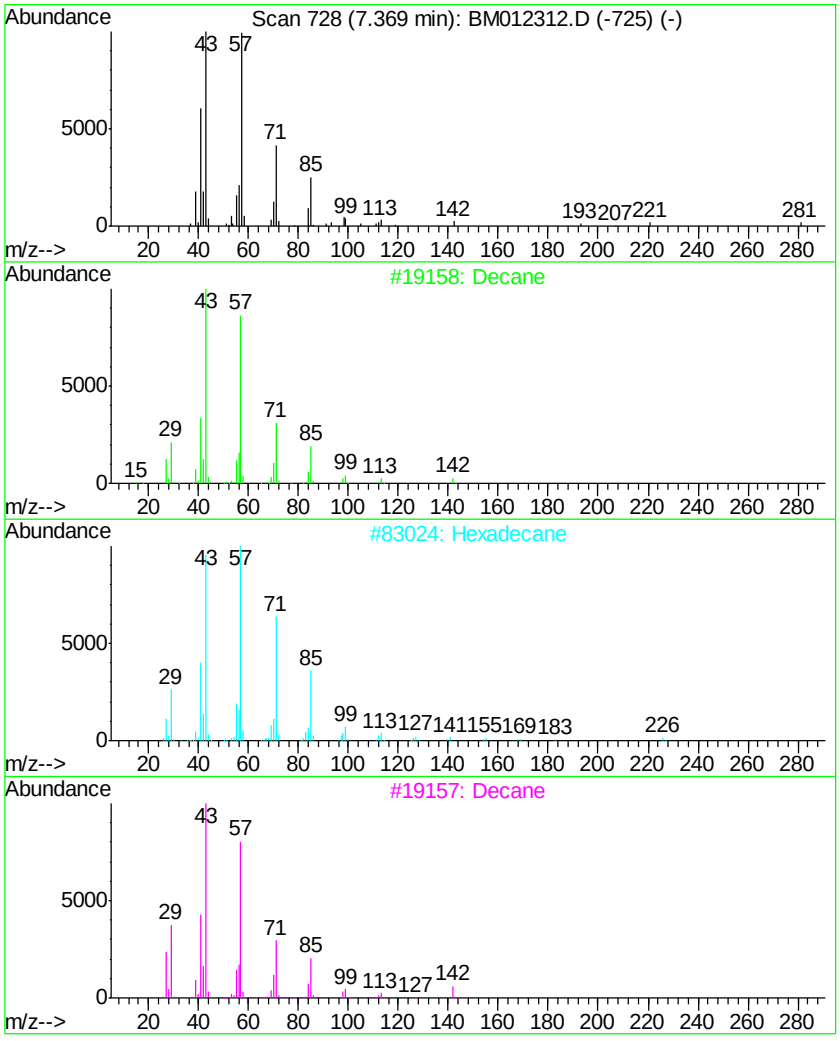
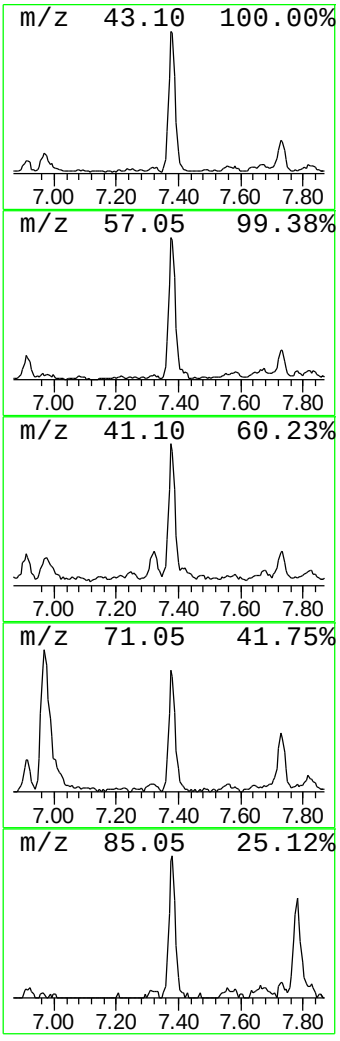
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	3.32 ng/ul	309194	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Hexadecane	226	C16H34	000544-76-3	83
3	Decane	142	C10H22	000124-18-5	83
4	Hexatriacontane	507	C36H74	000630-06-8	78
5	Tridecane	184	C13H28	000629-50-5	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

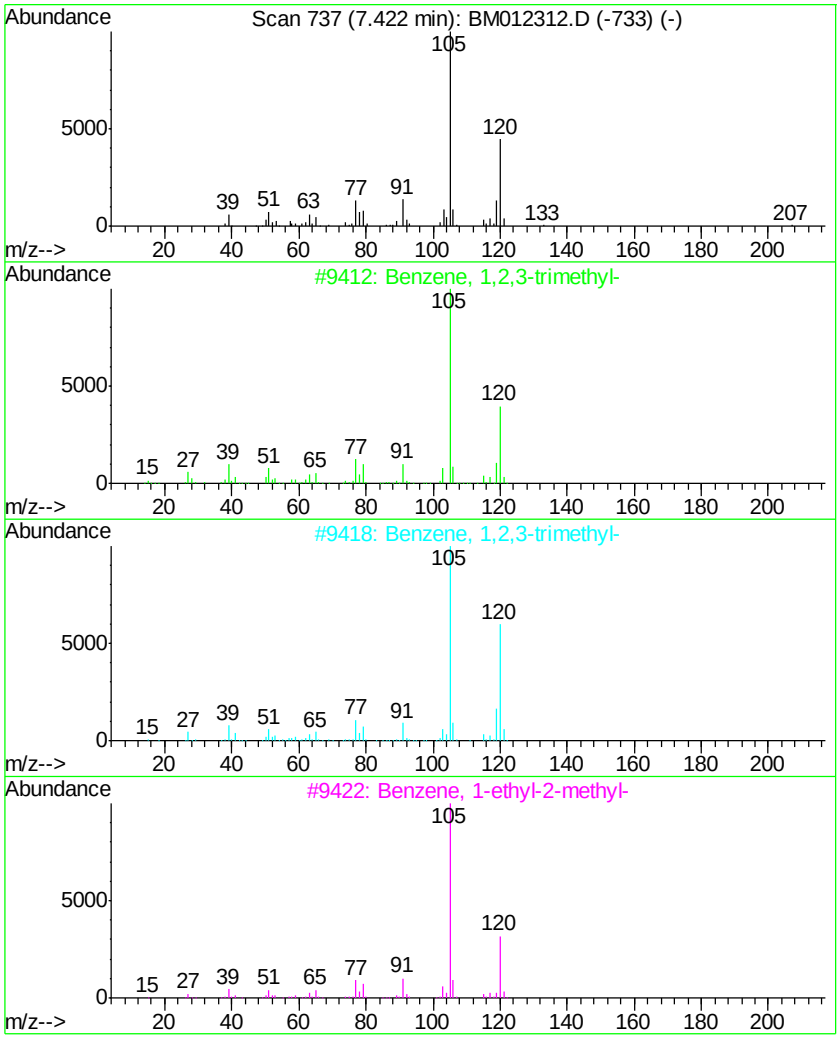
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

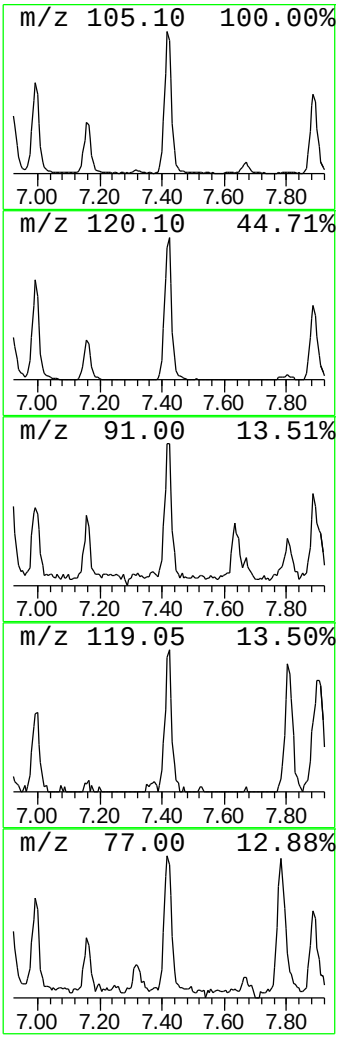
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	3.21 ng/ul	298696	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

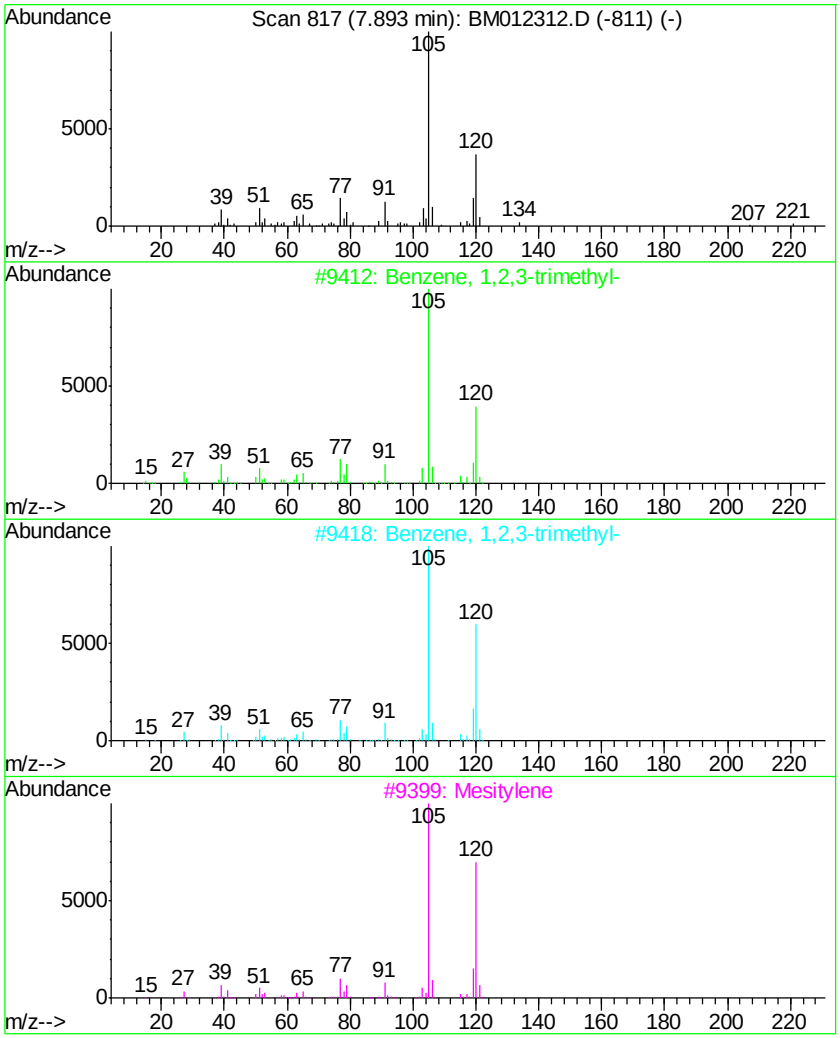
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

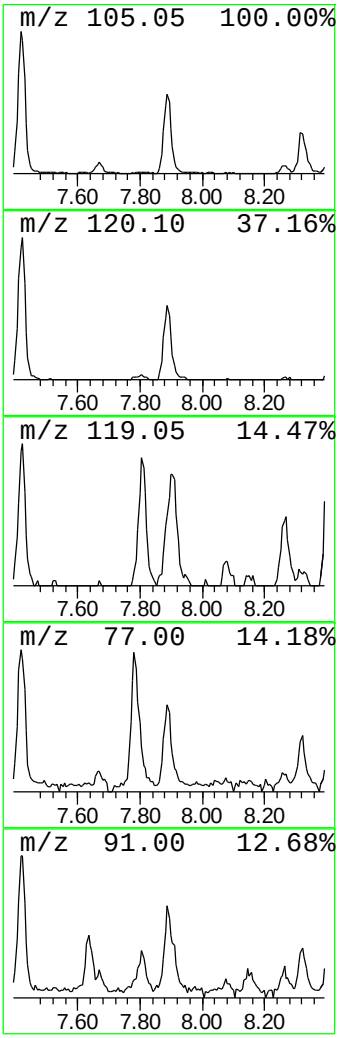
****

Peak Number 6 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	2.10 ng/ul	195073	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
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Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

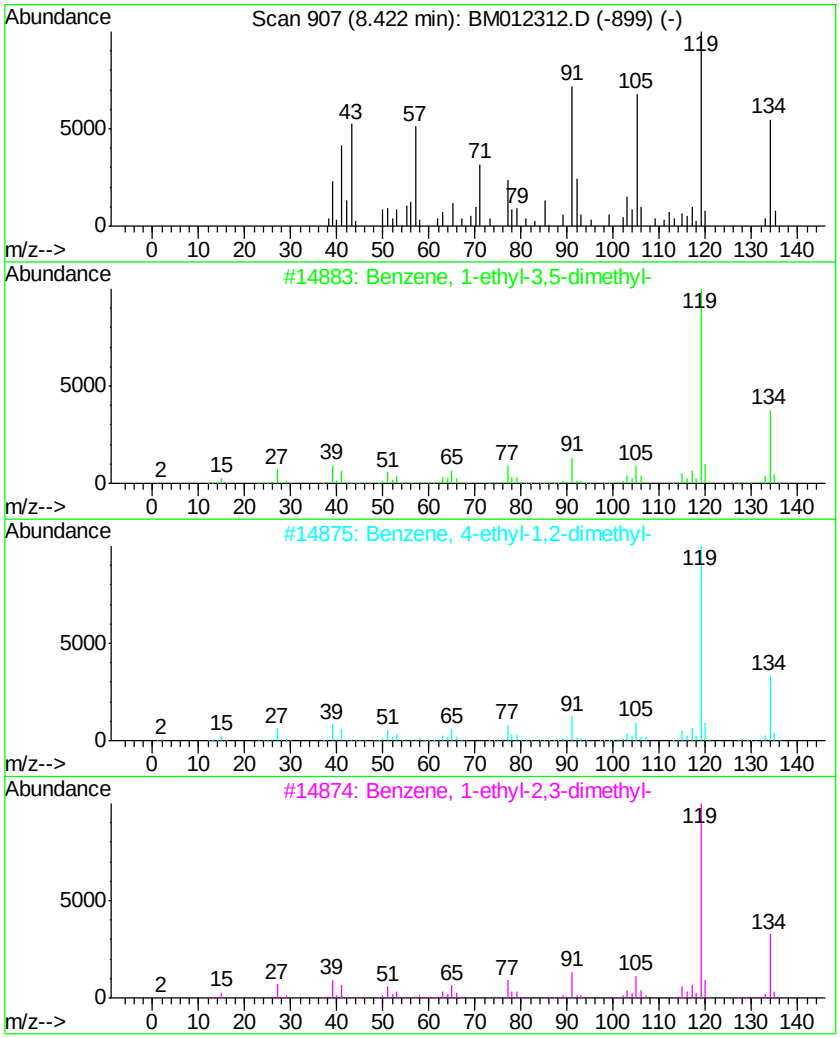
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

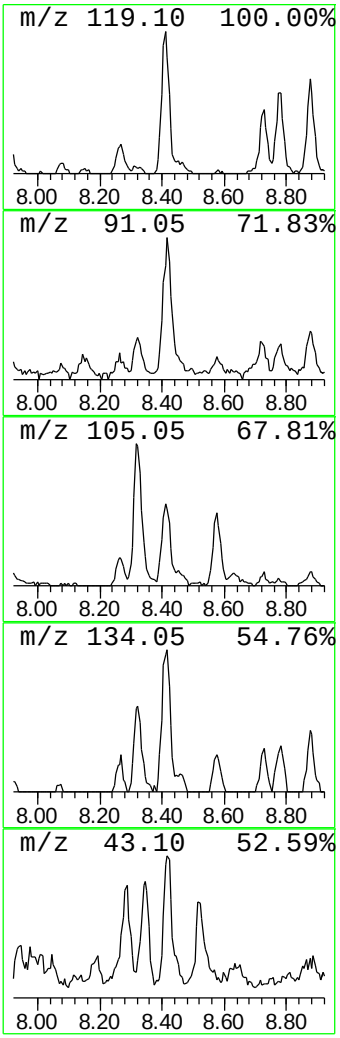
****

Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	2.37 ng/ul	220735	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

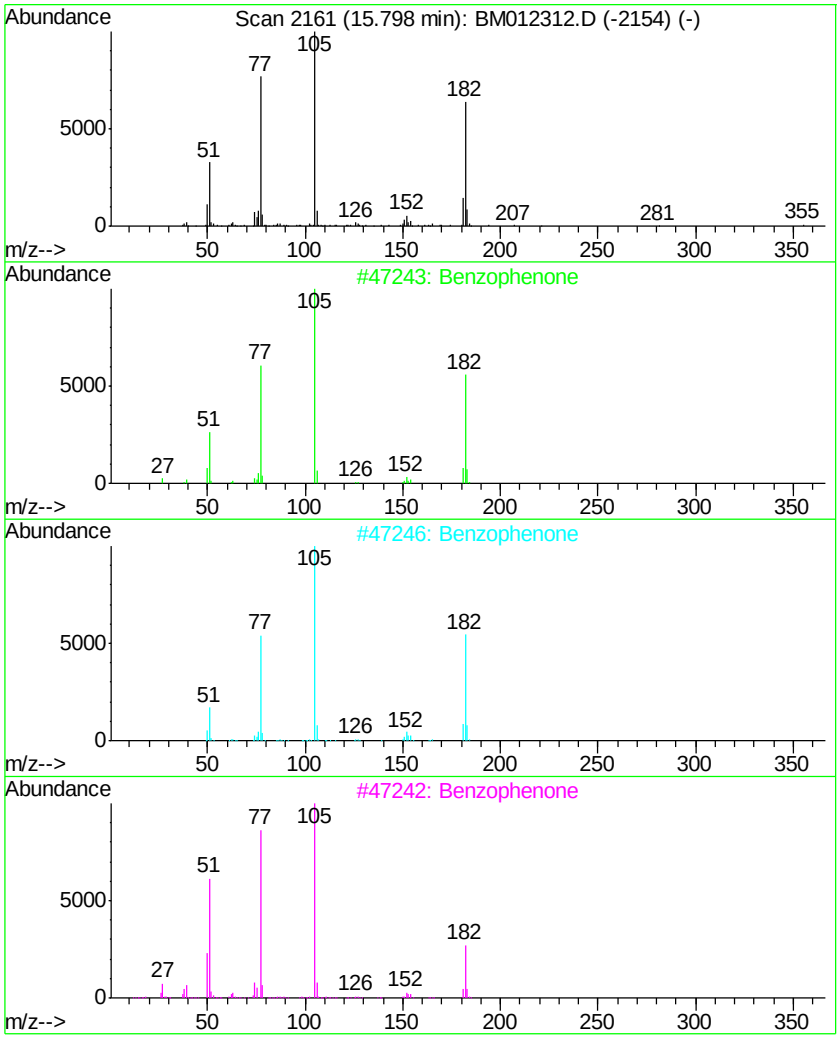
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

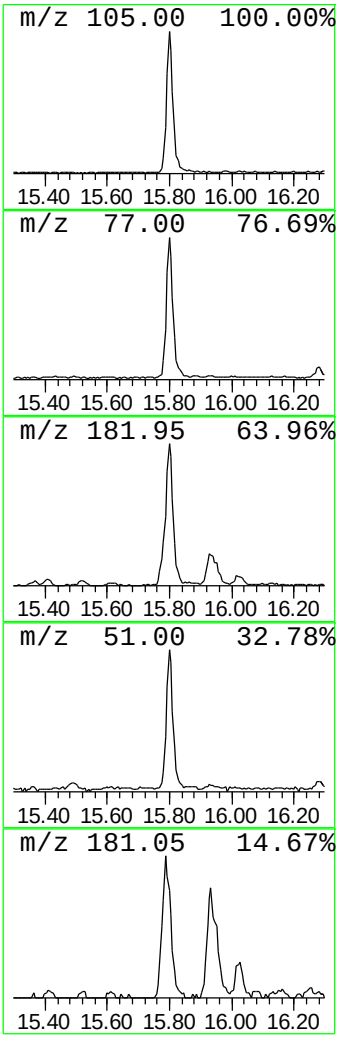
****

Peak Number 8 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	2.79 ng/ul	412343	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	95
4	Benzophenone	182	C13H10O	000119-61-9	94
5	Benzophenone	182	C13H10O	000119-61-9	91





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Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

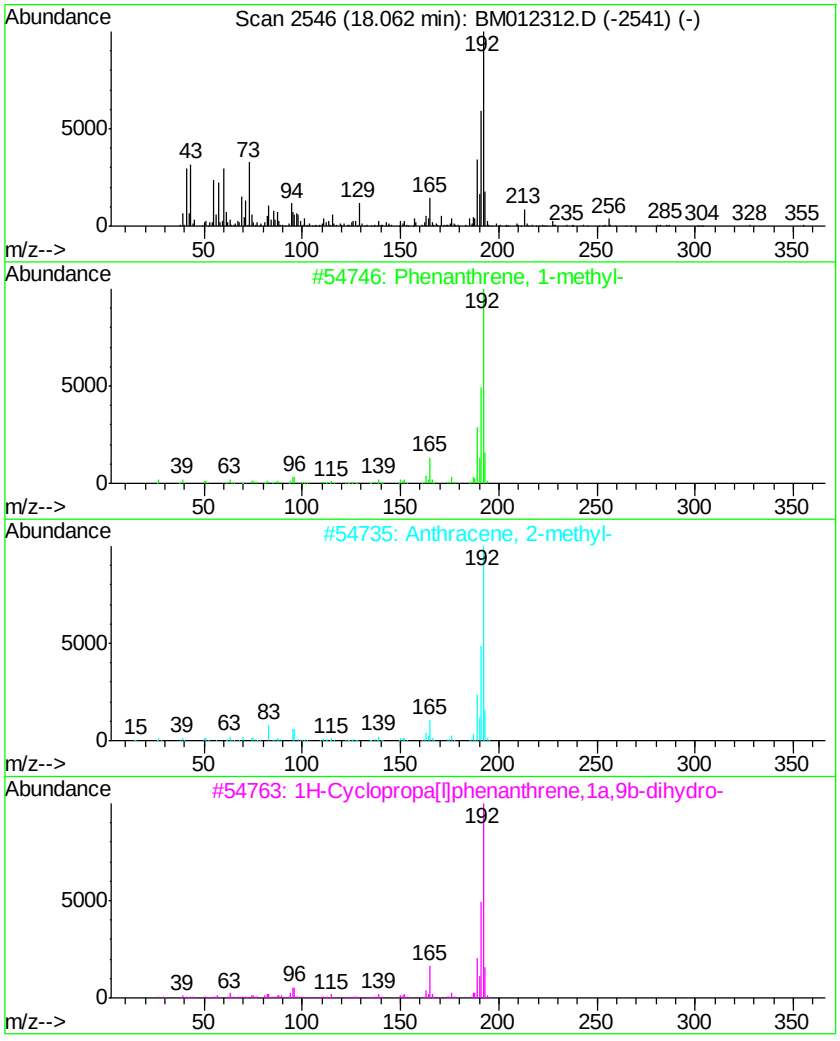
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

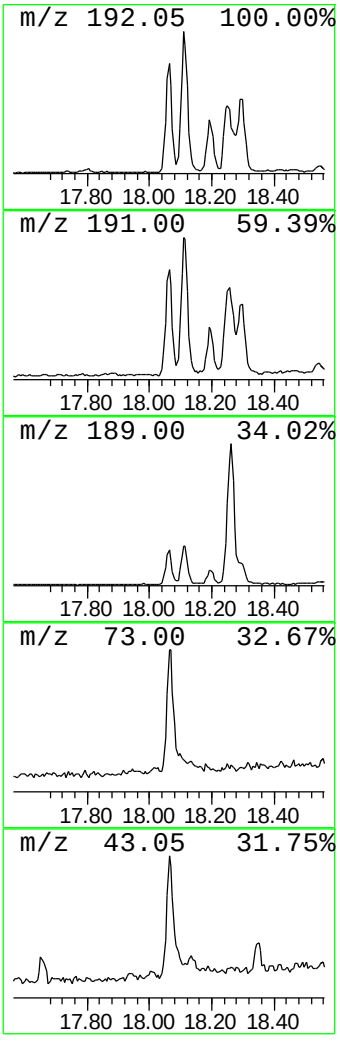
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.07 ng/ul	613813	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

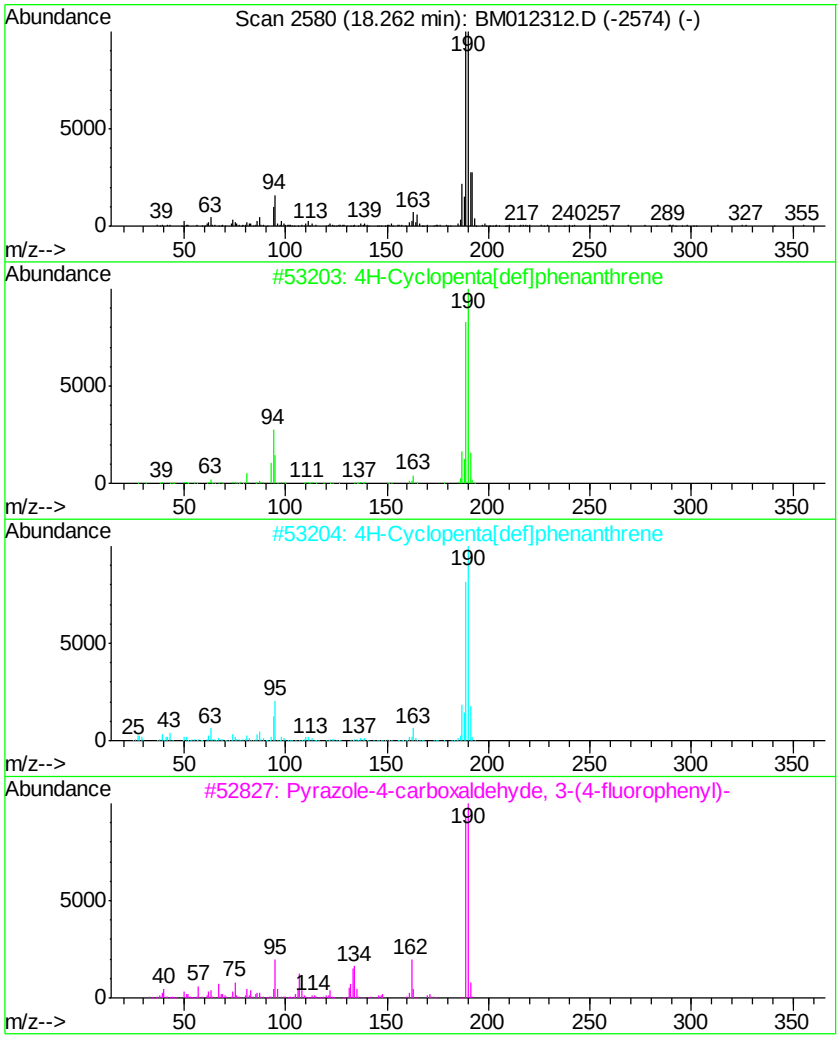
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

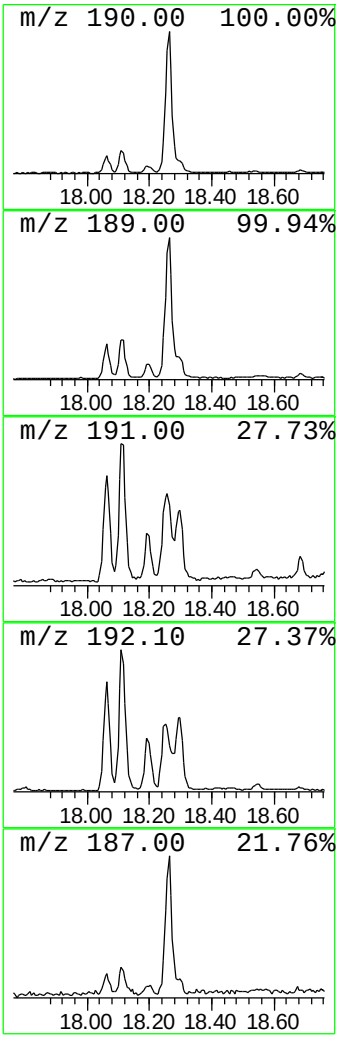
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.71 ng/ul	559378	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012312.D
Acq On : 19 Oct 2017 11:01
Operator : SJ/JU
Sample : I5747-05 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-4(0-1)-100617

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
Benzene, 1-ethyl-...	6.86	3.0	ng/ul	275114	1	7.78	1861950	20.0
Benzene, 1-ethyl-...	6.92	2.0	ng/ul	189478	1	7.78	1861950	20.0
(DEL) Alkane: Str...	7.37	3.3	ng/ul	309194	1	7.78	1861950	20.0
Benzene, 1,2,3-tr...	7.42	3.2	ng/ul	298696	1	7.78	1861950	20.0
Mesitylene	7.89	2.1	ng/ul	195073	1	7.78	1861950	20.0
Benzene, 1-ethyl-...	8.42	2.4	ng/ul	220735	1	7.78	1861950	20.0
Benzophenone	15.80	2.8	ng/ul	412343	3	14.44	2952250	20.0
Phenanthrene, 1-m...	18.06	4.1	ng/ul	613813	4	17.19	3018900	20.0
4H-Cyclopenta[def...	18.26	3.7	ng/ul	559378	4	17.19	3018900	20.0