LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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	3.205	17	20	31	rVB2	40844	73182	1.36%	0.137%
2	3.728	105	109	118	rVB	44479	71063	1.32%	0.133%
3	6.746	614	622	629	rBV	157342	254354	4.71%	0.477%
4	6.899	643	648	654	rBV4	29873	70274	1.30%	0.132%
5	6.963	654	659	674	rVV2	403368	989597	18.32%	1.857%
6	7.116	676	685	696	rVB	346707	643647	11.92%	1.208%
7	7.316	709	719	727	rBV	518682	909123	16.83%	1.706%
8	7.734	784	790	793	rBV	154831	219494	4.06%	0.412%
9	7.781	793	798	811	rVV	921066	1581028	29.28%	2.967%
10	7.881	811	815	821	rVB	51106	80556	1.49%	0.151%
11	7.981	827	832	840	rBV2	276576	442095	8.19%	0.830%
12	8.293	879	885	889	rBV	145258	239390	4.43%	0.449%
13	8.422	898	907	913	rBV	99232	175382	3.25%	0.329%
14	8.504	915	921	927	rBV	524342	935401	17.32%	1.755%
15	8.563	927	931	939	rVB	274177	521198	9.65%	0.978%
16	8.951	990	997	1012	rBV	434676	891314	16.50%	1.673%
17	9.675	1111	1120	1129	rBV	354300	702856	13.01%	1.319%
18	10.228	1207	1214	1232	rBV	409772	966407	17.90%	1.813%
19	10.581	1268	1274	1280	rBV	1149307	1959166	36.28%	3.676%
20	10.634	1280	1283	1290	rVB	118978	187235	3.47%	0.351%
21	10.739	1292	1301	1324	rVB	173653	482479	8.93%	0.905%
22	11.910	1494	1500	1508	rBV2	37765	78590	1.46%	0.147%
23	12.257	1553	1559	1568	rBV2	42705	83311	1.54%	0.156%
24	13.610	1781	1789	1798	rBV9	25365	80537	1.49%	0.151%
25	13.757	1808	1814	1819	rBV3	41614	89190	1.65%	0.167%
26	13.845	1819	1829	1833	rVV	930942	1395159	25.83%	2.618%
27	13.892	1833	1837	1843	rVB	426491	622143	11.52%	1.167%
28	14.133	1871	1878	1889	rBV	1038177	1689941	31.29%	3.171%
29	14.310	1902	1908	1916	rBV4	84845	158019	2.93%	0.297%
30	14.439	1923	1930	1936	rBV2	1416610	2305898	42.70%	4.327%
31	14.498	1936	1940	1949	rVB	157391	255234	4.73%	0.479%
32	14.727	1972	1979	1980	rBV3	76364	145217	2.69%	0.272%
33	14.845	1994	1999	2003	rBV2	67923	113469	2.10%	0.213%
34	14.927	2010	2013	2019	rVB4	55001	94427	1.75%	0.177%

LSC Area Percent Report

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Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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	15.204	2054	2060	2066	rBV8	36813	105441	1.95%	0.198%
36	15.263	2066	2070	2075	rVB	60171	86019	1.59%	0.161%
37	15.433	2093	2099	2104	rBV	1235584	1852008	34.29%	3.475%
38	15.486	2104	2108	2119	rVB2	166908	288727	5.35%	0.542%
39	15.598	2121	2127	2129	rBV7	51062	95729	1.77%	0.180%
40	15.798	2156	2161	2168	rVB2	122353	207188	3.84%	0.389%
41	16.127	2213	2217	2218	rBV2	88029	102211	1.89%	0.192%
42	17.186	2392	2397	2401	rBV2	1820079	2575424	47.69%	4.833%
43	17.227	2401	2404	2409	rVB	1060708	1374231	25.45%	2.579%
44	17.286	2409	2414	2418	rBV	1289317	1864527	34.53%	3.499%
45	18.063	2542	2546	2551	rBV	687205	1033551	19.14%	1.939%
46	18.257	2575	2579	2583	rBV2	319329	572857	10.61%	1.075%
47	18.457	2610	2613	2619	rBV3	258318	397630	7.36%	0.746%
48	18.980	2699	2702	2706	rBV2	351307	486228	9.00%	0.912%
49	19.251	2743	2748	2752	rBV	2313283	3135474	58.06%	5.884%
50	19.345	2762	2764	2769	rBV2	285348	306254	5.67%	0.575%
51	19.580	2800	2804	2807	rBV2	1942171	2952438	54.67%	5.540%
52	19.615	2807	2810	2817	rVB	2172672	2992702	55.42%	5.616%
53	21.004	3042	3046	3052	rBV5	2212432	3883908	71.92%	7.288%
54	21.221	3079	3083	3087	rVB2	3132792	4071756	75.40%	7.641%
55	21.368	3103	3108	3112	rBV2	2974272	5400419	100.00%	10.134%

Sum of corrected areas: 53291098

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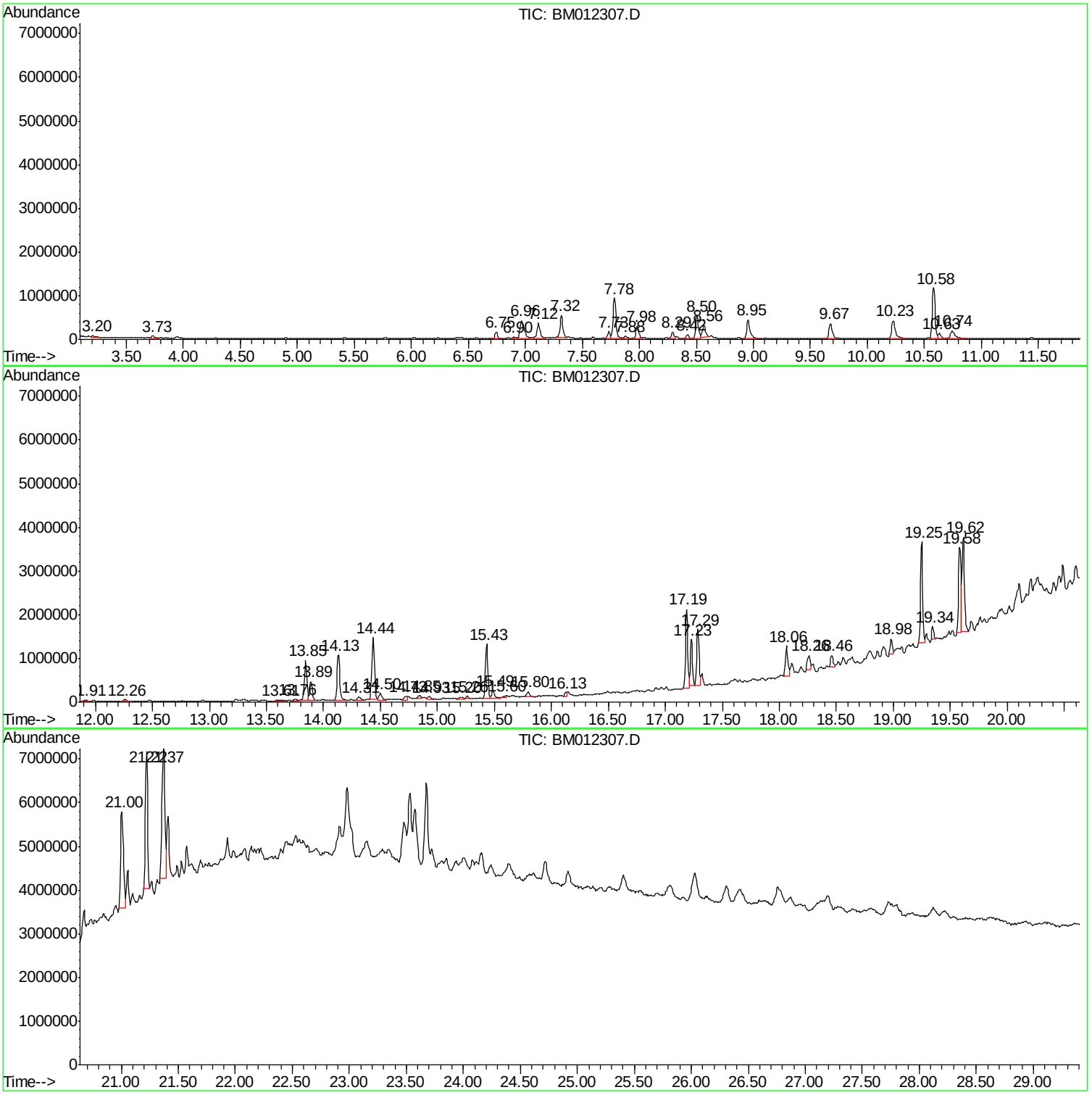
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-55(3.5-5)-100317

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

TIC Library : C:\DATABASE\NIST11.L
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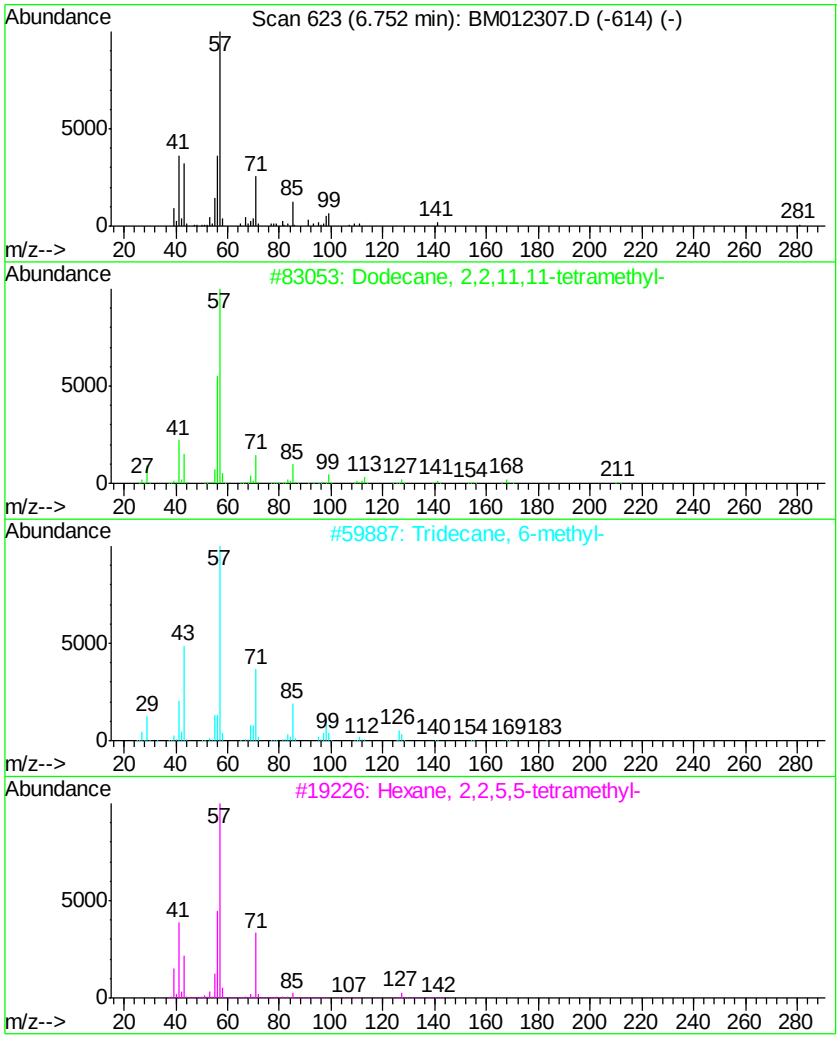
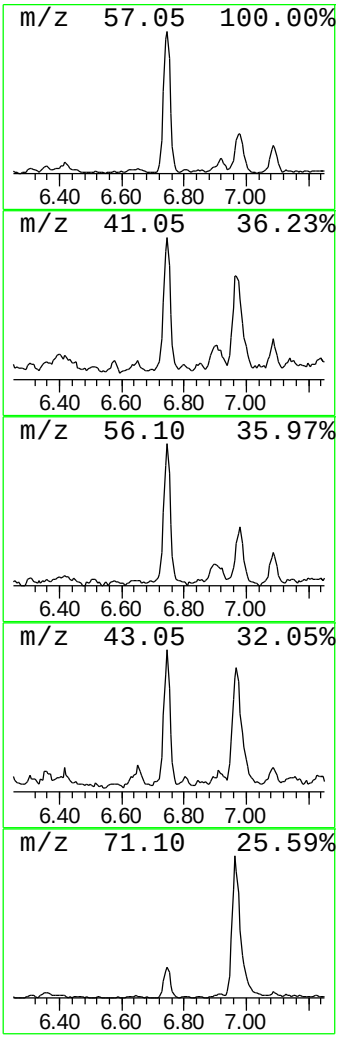
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	3.22 ng/ul	254354	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	59
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
4	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47





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Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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

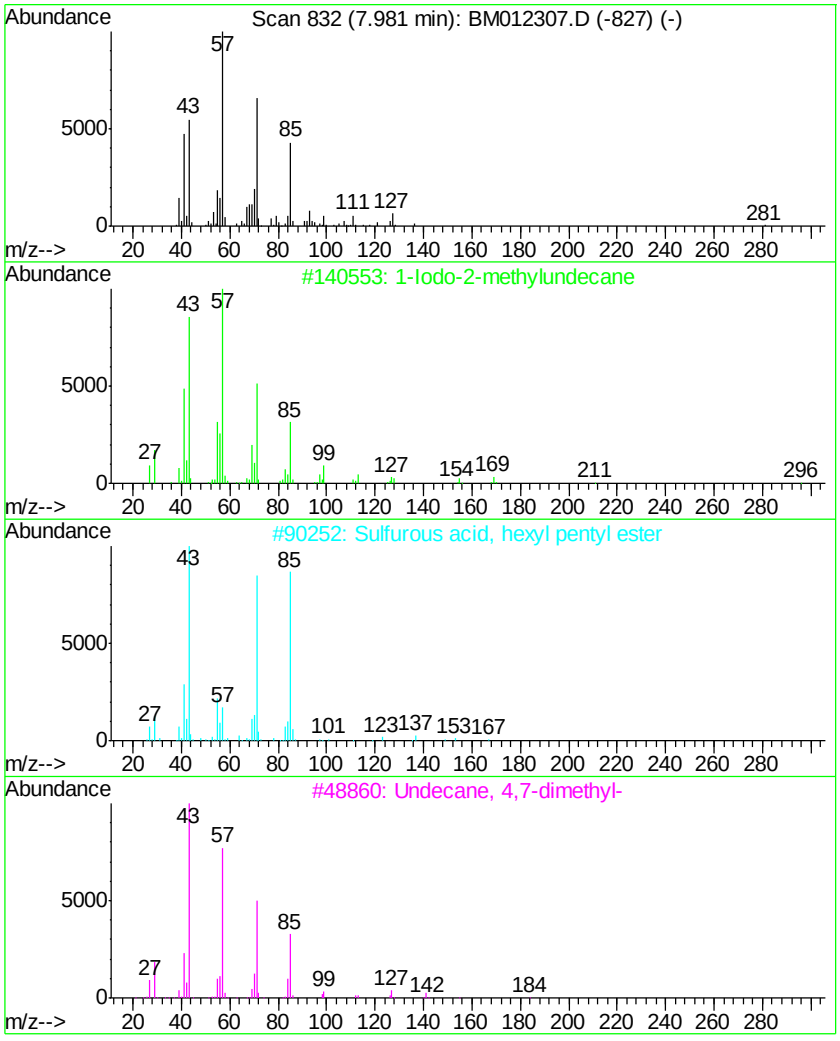
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

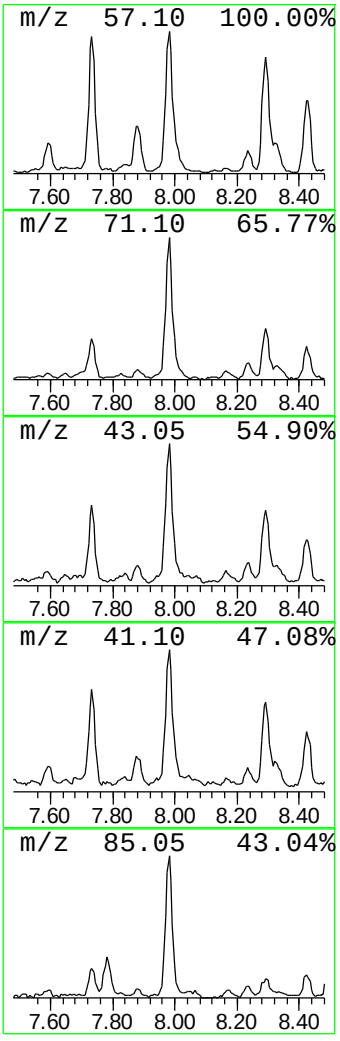
****

Peak Number 2 1-Iodo-2-methylundecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	5.59 ng/ul	442095	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
2	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	64
3	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	64
4	Tridecane	184	C13H28	000629-50-5	59
5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

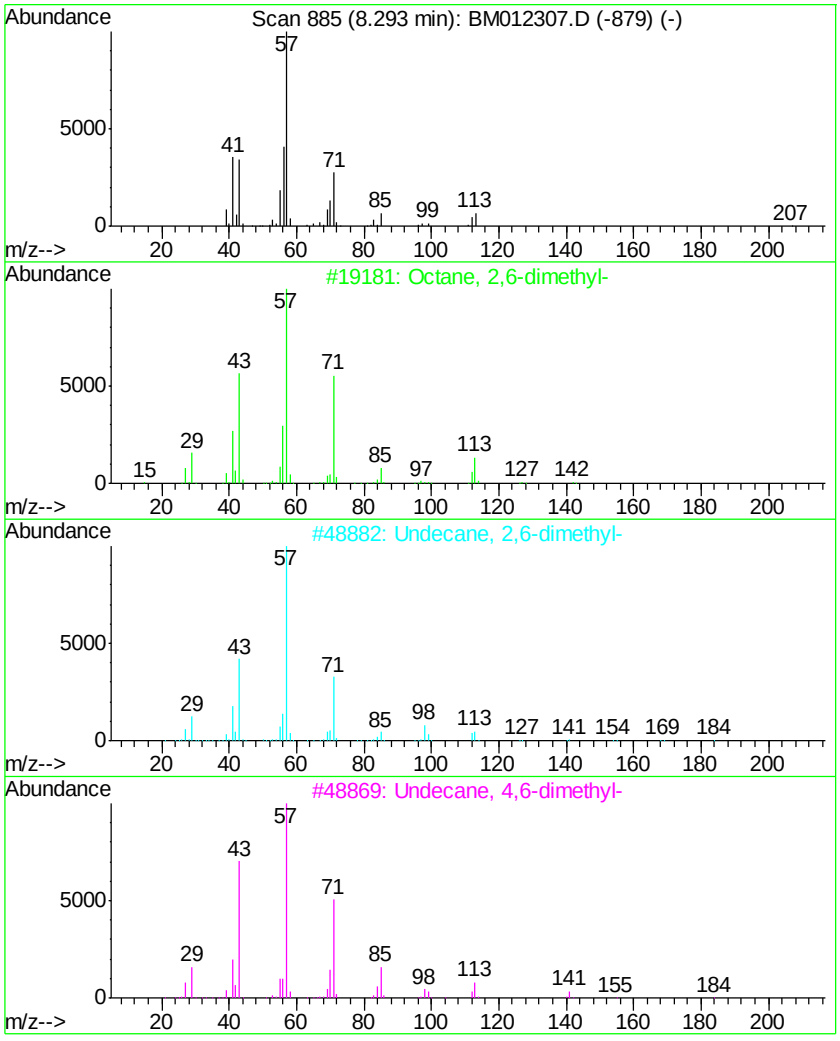
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

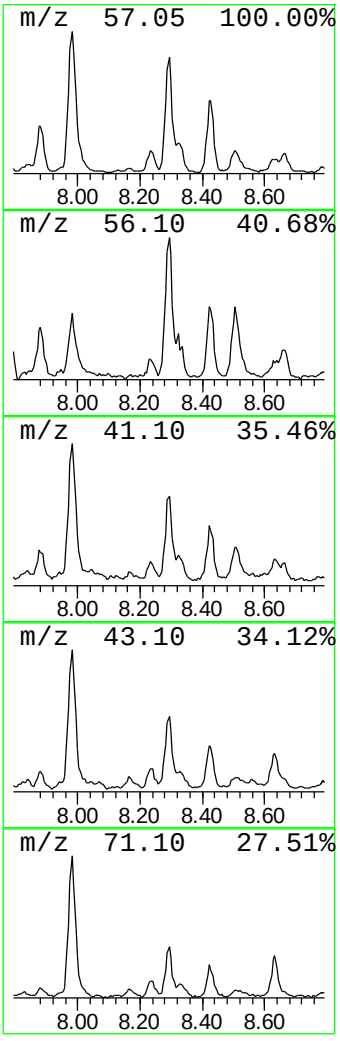
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	3.03 ng/ul	239390	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	56
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	45
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	45





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Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

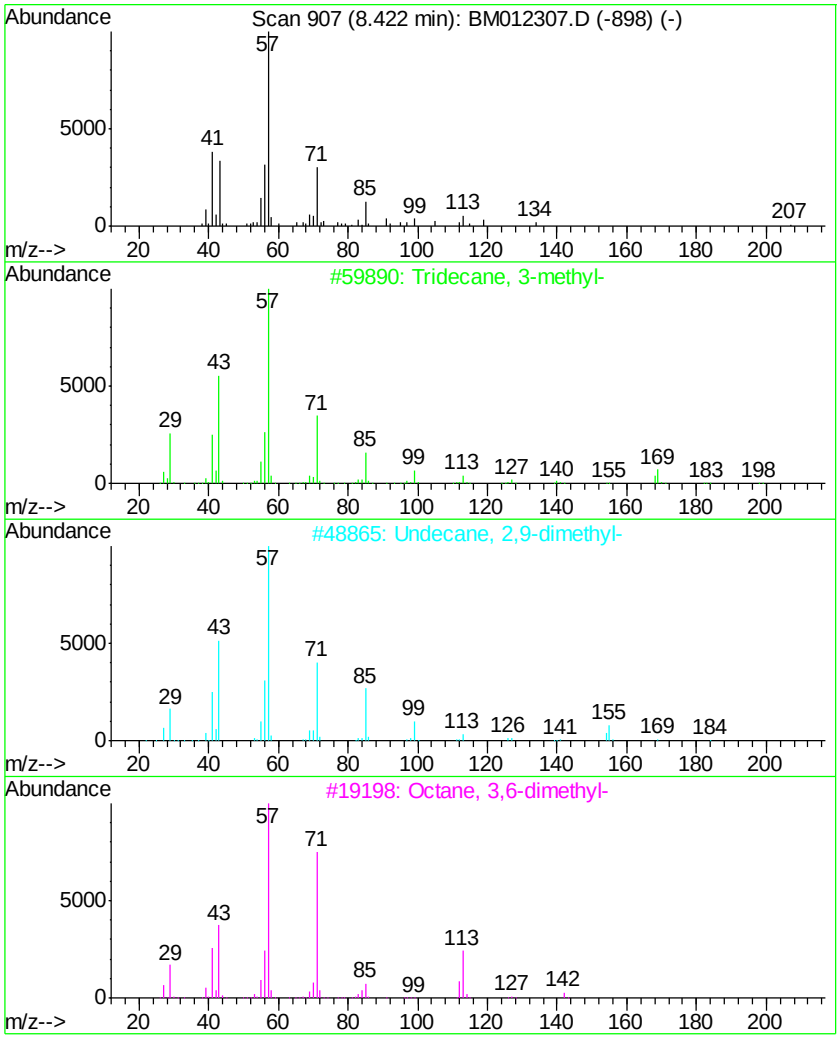
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

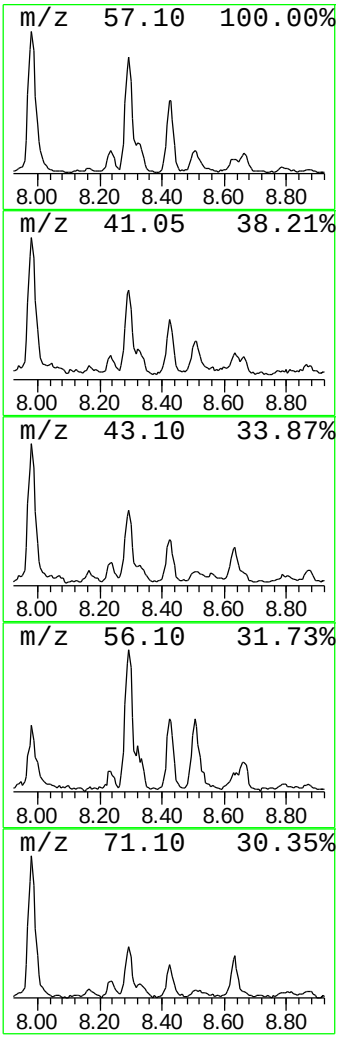
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	2.22 ng/ul	175382	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	53
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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

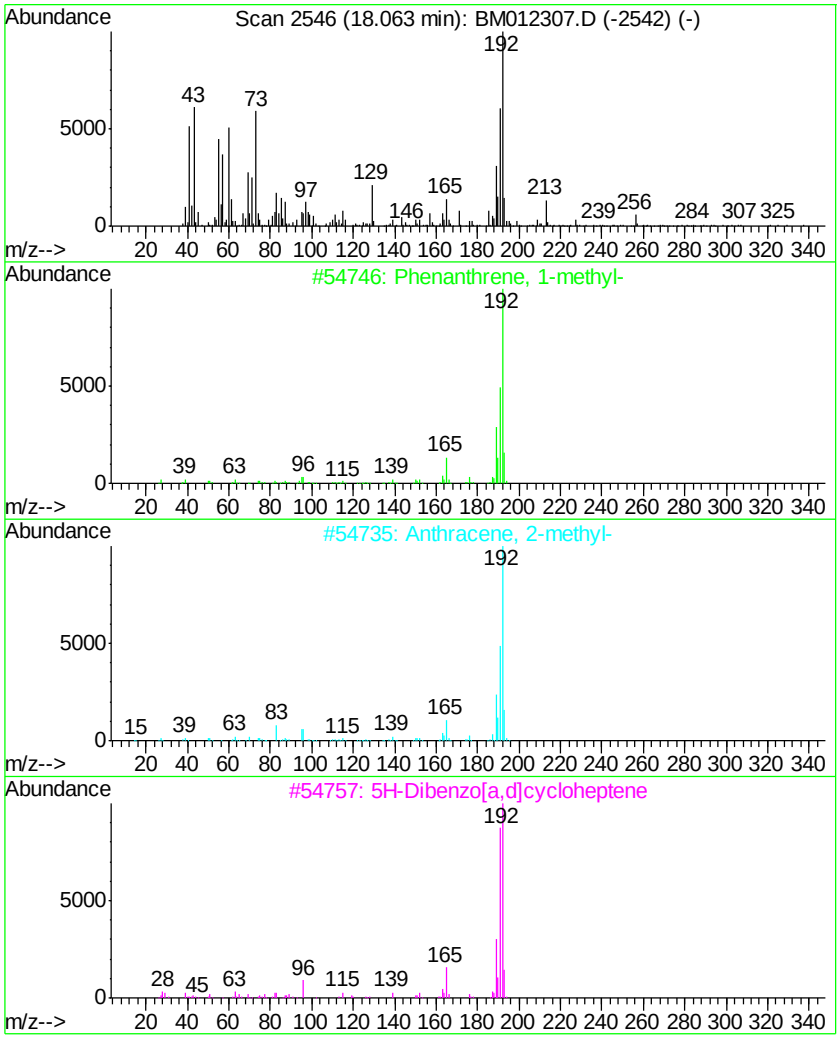
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

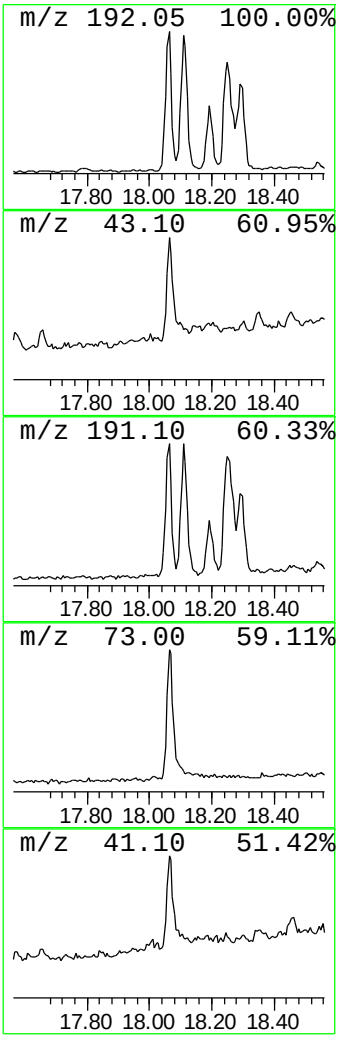
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	8.03 ng/ul	1033550	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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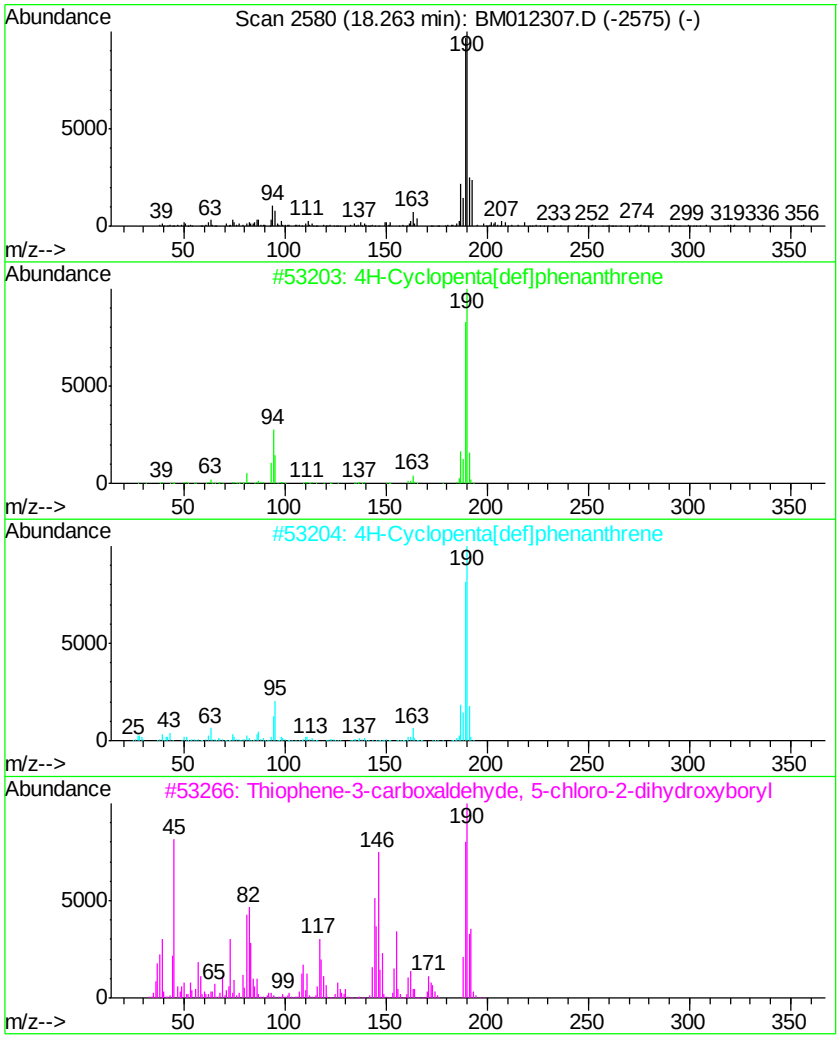
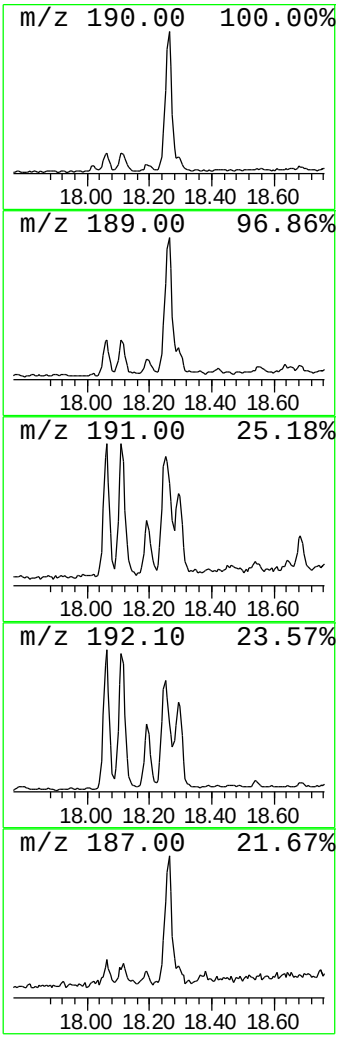
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	4.45 ng/ul	572857	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Instrument : BNA_M
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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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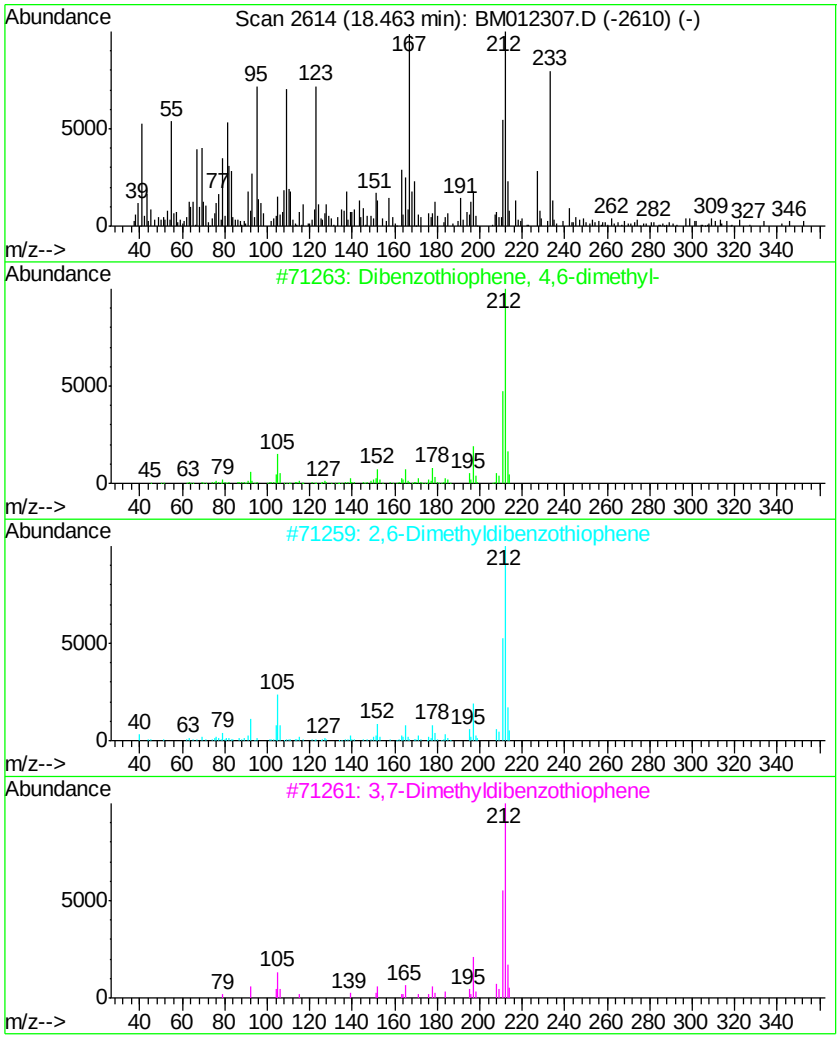
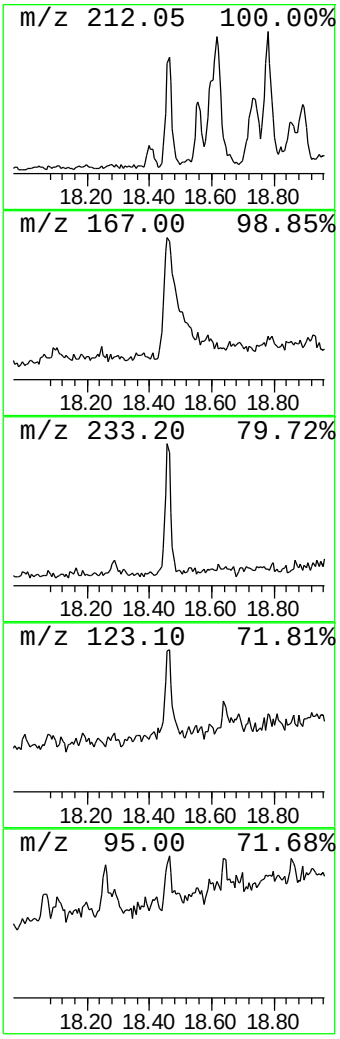
Peak Number 7 Dibenzothiophene, 4,6-dimet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.09 ng/ul	397630	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	90
2	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	90
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	90
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	45
5	Benzeneacetic acid, 3-ethoxy-.be...	212	C10H12O5	039549-22-9	35





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Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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

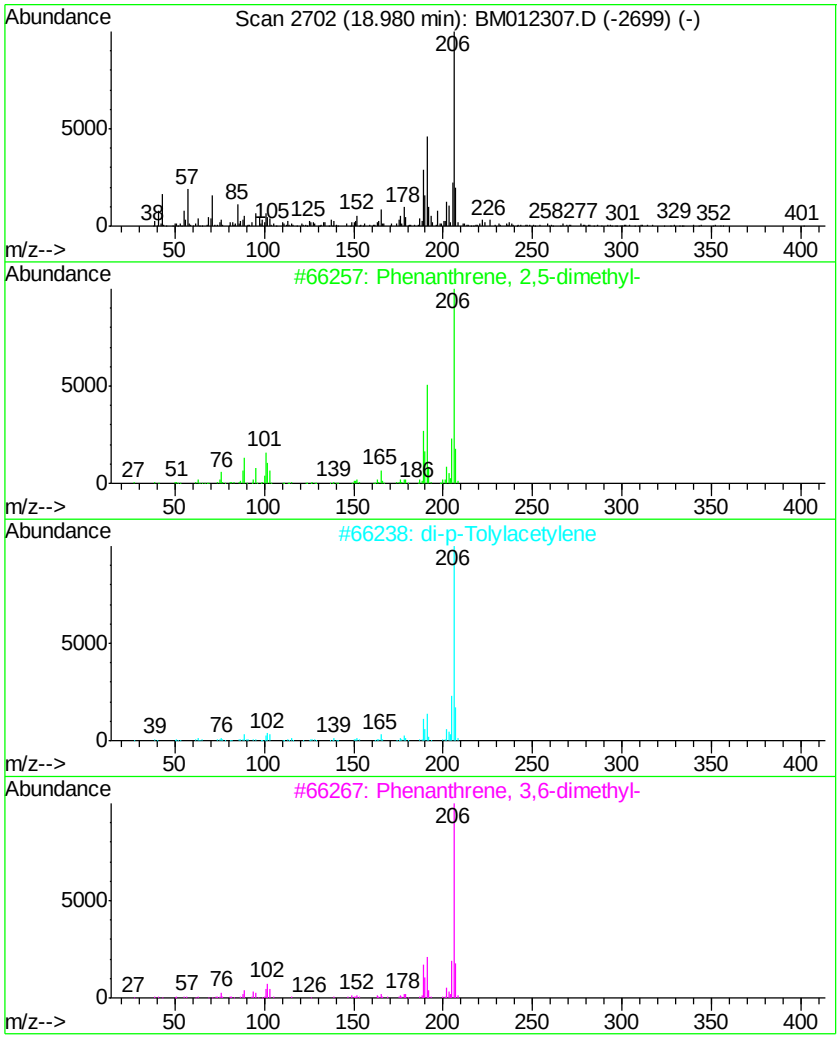
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

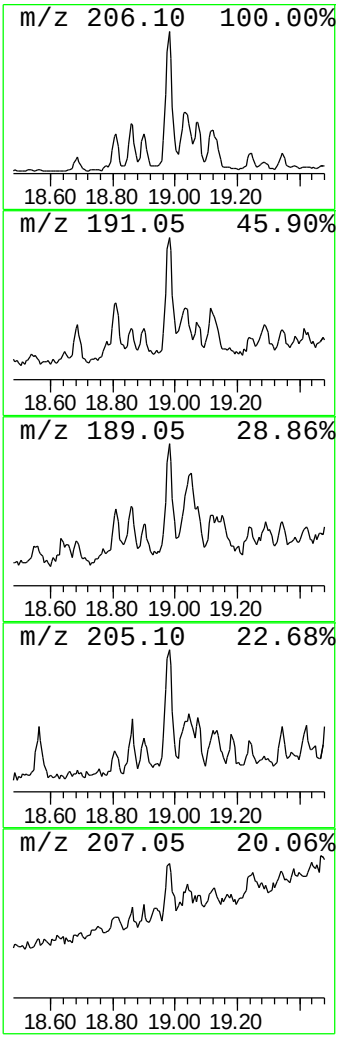
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.78 ng/ul	486228	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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

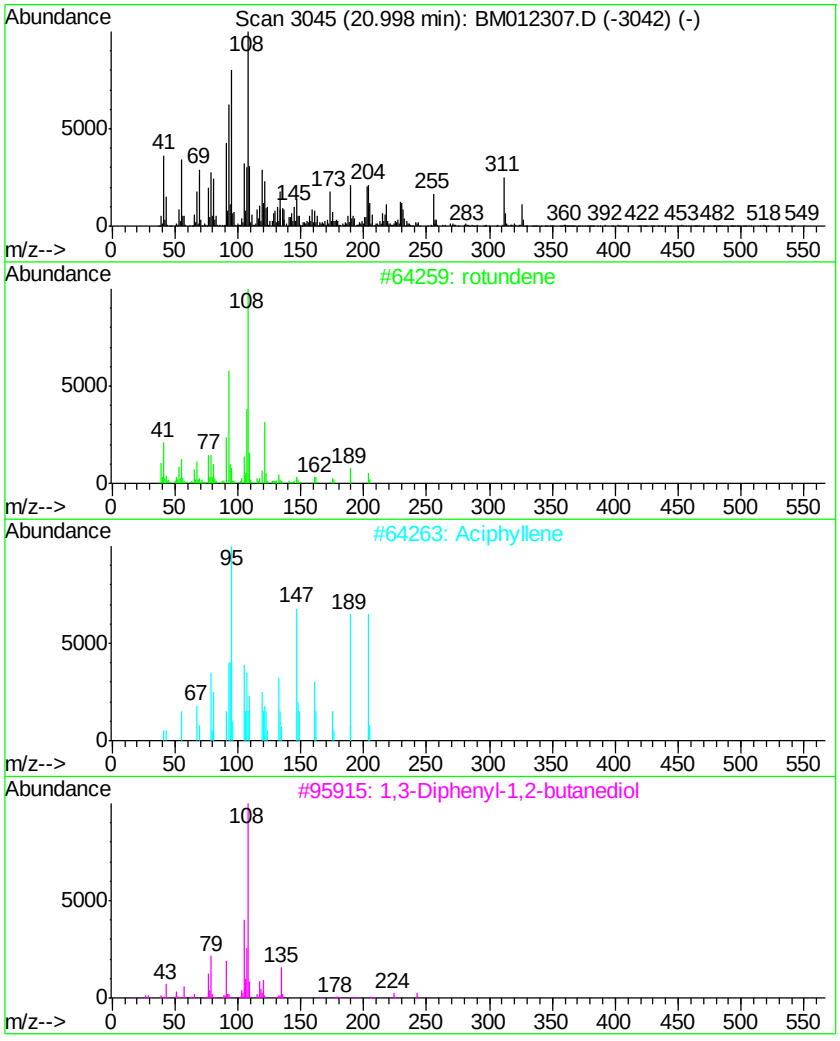
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

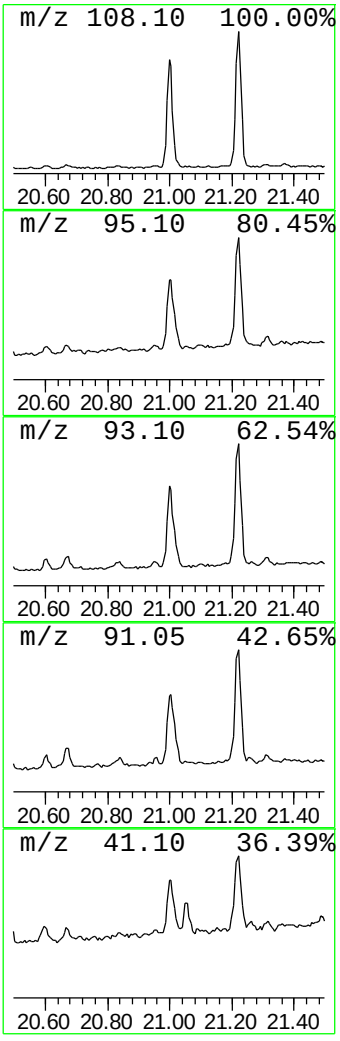
****

Peak Number 9 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	14.38 ng/ul	3883910	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	rotundene	204	C15H24	1000374-17-0	42
2	Aciphyllene	204	C15H24	087745-31-1	30
3	1,3-Diphenyl-1,2-butanediol	242	C16H18O2	005381-88-4	25
4	.alpha.-Campholenal	152	C10H16O	004501-58-0	22
5	Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	11





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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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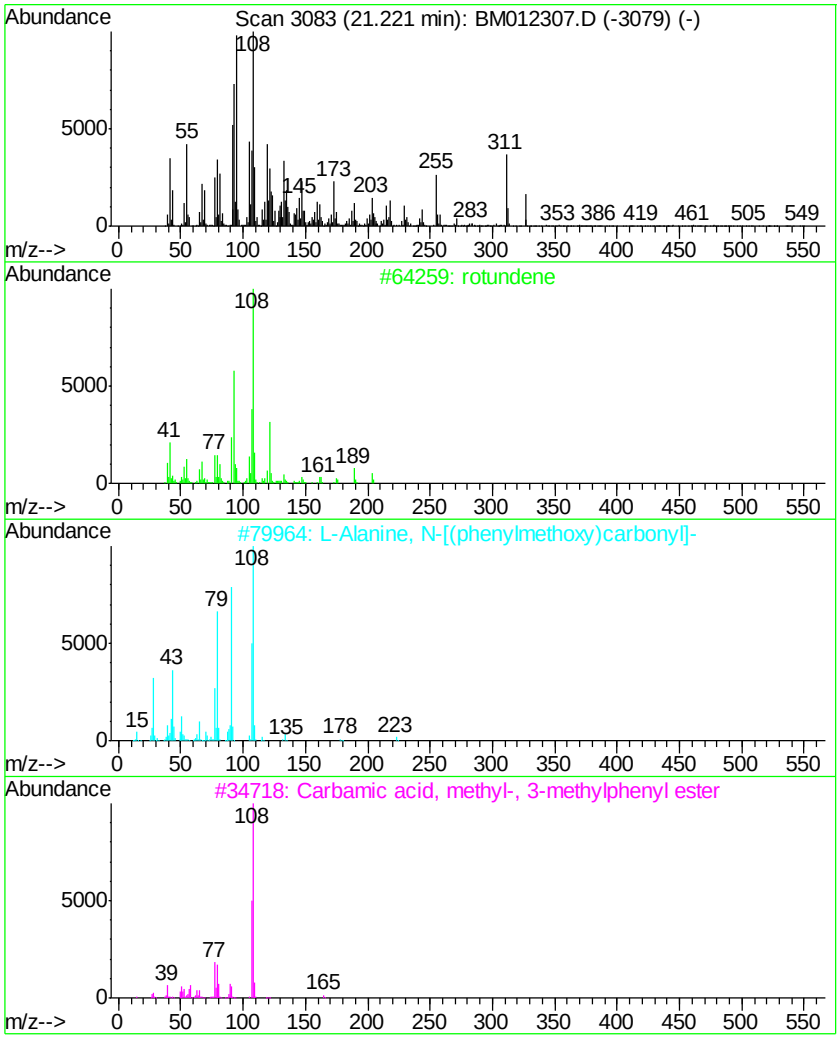
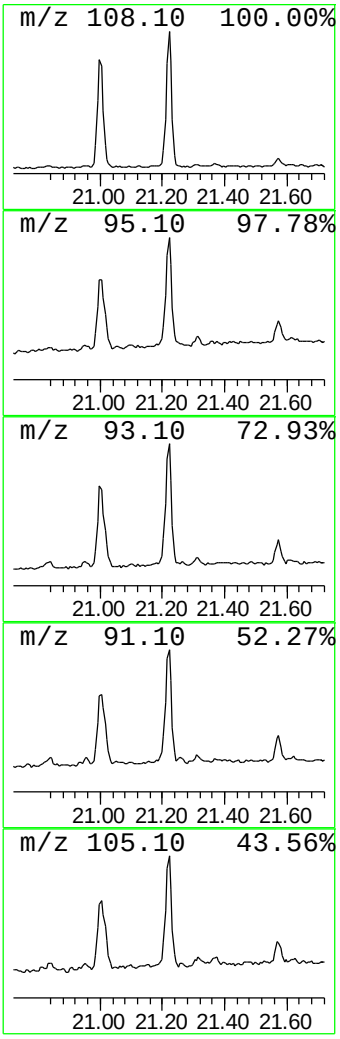
Peak Number 10 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	15.08 ng/ul	4071760	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	rotundene	204	C15H24	1000374-17-0	25
2	L-Alanine, N-[(phenylmethoxy)car...	223	C11H13NO4	001142-20-7	22
3	Carbamic acid, methyl-, 3-methyl...	165	C9H11NO2	001129-41-5	22
4	Carbamic acid, methyl-, 3-methyl...	165	C9H11NO2	001129-41-5	22
5	1,3-Diphenyl-1,2-butanediol	242	C16H18O2	005381-88-4	20





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101817\
Data File : BM012307.D
Acq On : 19 Oct 2017 08:01
Operator : SJ/JU
Sample : I5693-02 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-55(3.5-5)-100317

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
(DEL) Alkane: Str...	6.75	3.2	ng/ul	254354	1	7.78	1581030	20.0
1-Iodo-2-methylun...	7.98	5.6	ng/ul	442095	1	7.78	1581030	20.0
(DEL) Alkane: Str...	8.29	3.0	ng/ul	239390	1	7.78	1581030	20.0
(DEL) Alkane: Str...	8.42	2.2	ng/ul	175382	1	7.78	1581030	20.0
Phenanthrene, 1-m...	18.06	8.0	ng/ul	1033550	4	17.19	2575420	20.0
4H-Cyclopenta[def...	18.26	4.5	ng/ul	572857	4	17.19	2575420	20.0
Dibenzothiophene,...	18.46	3.1	ng/ul	397630	4	17.19	2575420	20.0
Phenanthrene, 2,5...	18.98	3.8	ng/ul	486228	4	17.19	2575420	20.0
unknown-01	21.00	14.4	ng/ul	3883910	5	21.37	5400420	20.0
unknown-02	21.22	15.1	ng/ul	4071760	5	21.37	5400420	20.0