LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012484.D
Acq On : 27 Oct 2017 13:43
Operator : SJ/JU
Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

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-BM102417.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	3.146	6	10	21	rVB	1203927	1494355	9.66%	1.100%
2	3.869	128	133	142	rVB	564466	716019	4.63%	0.527%
3	5.087	335	340	346	rBV2	399749	592835	3.83%	0.436%
4	5.528	411	415	423	rBV2	154752	298880	1.93%	0.220%
5	6.869	634	643	650	rBV2	126139	317858	2.05%	0.234%
6	7.045	664	673	688	rVB2	1386255	3104549	20.06%	2.284%
7	7.204	688	700	706	rBV	1021225	1575209	10.18%	1.159%
8	7.410	729	735	746	rVB	1374411	2206666	14.26%	1.624%
9	7.522	746	754	759	rBV2	147327	284382	1.84%	0.209%
10	7.875	805	814	822	rBV	2197122	3472578	22.44%	2.555%
11	8.422	901	907	918	rVB3	173516	382684	2.47%	0.282%
12	8.581	926	934	940	rBV	1558099	2483038	16.05%	1.827%
13	8.975	992	1001	1004	rBV	143011	280074	1.81%	0.206%
14	9.028	1004	1010	1019	rVB	1207766	1963029	12.69%	1.444%
15	9.745	1126	1132	1140	rBV	971594	1670133	10.79%	1.229%
16	10.286	1215	1224	1233	rBV	1653089	2767422	17.89%	2.036%
17	10.669	1279	1289	1294	rBV	2507323	4407301	28.48%	3.243%
18	11.980	1502	1512	1519	rBV	256344	435911	2.82%	0.321%
19	13.557	1773	1780	1787	rVB	246064	425766	2.75%	0.313%
20	13.910	1832	1840	1844	rBV	2656930	3718116	24.03%	2.736%
21	13.957	1844	1848	1854	rVB	1497051	1960113	12.67%	1.442%
22	14.198	1883	1889	1903	rVB	2882131	4796016	31.00%	3.529%
23	14.421	1920	1927	1932	rBV3	200786	404496	2.61%	0.298%
24	14.504	1933	1941	1948	rVV2	3436114	5296663	34.23%	3.897%
25	14.704	1969	1975	1985	rBV	982083	1608747	10.40%	1.184%
26	14.898	2005	2008	2016	rVB2	150991	297944	1.93%	0.219%
27	15.492	2104	2109	2115	rVB	3488330	5137459	33.20%	3.780%
28	15.551	2115	2119	2124	rBV	251319	349505	2.26%	0.257%
29	15.610	2126	2129	2136	rVB	305698	422337	2.73%	0.311%
30	15.857	2166	2171	2179	rVB	1328951	1878566	12.14%	1.382%
31	16.221	2229	2233	2241	rBV4	182478	398067	2.57%	0.293%
32	16.898	2345	2348	2355	rVB2	300446	442677	2.86%	0.326%
33	17.062	2373	2376	2383	rVB	285301	388998	2.51%	0.286%
34	17.245	2402	2407	2411	rBV2	4060585	5832226	37.69%	4.292%

LSC Area Percent Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

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-BM102417.M
Title : SVOA CALIBRATION

35	17.286	2411	2414	2419	rVV	3974427	5318634	34.37%	3.914%
36	17.345	2419	2424	2427	rVV2	3602691	5387713	34.82%	3.964%
37	17.374	2427	2429	2434	rVB	963520	1263675	8.17%	0.930%
38	18.080	2546	2549	2551	rBV3	277324	348058	2.25%	0.256%
39	18.145	2552	2560	2563	rBV	2190539	4214134	27.24%	3.101%
40	18.315	2584	2589	2593	rBV2	1016637	1932193	12.49%	1.422%
41	18.621	2638	2641	2644	rBV	403295	470375	3.04%	0.346%
42	18.657	2644	2647	2655	rVB2	678942	1011177	6.54%	0.744%
43	19.033	2709	2711	2715	rVB2	562556	693367	4.48%	0.510%
44	19.298	2752	2756	2762	rVB	9999292	12897809	83.36%	9.491%
45	19.415	2774	2776	2785	rVB3	1012536	1815906	11.74%	1.336%
46	19.633	2808	2813	2815	rBV2	6006127	8397626	54.27%	6.179%
47	19.662	2815	2818	2826	rVB	9146487	11904948	76.94%	8.760%
48	21.333	3100	3102	3106	rVB	2934225	2960125	19.13%	2.178%
49	21.409	3111	3115	3120	rBV3	7748073	15472670	100.00%	11.385%

Sum of corrected areas: 135899029

LSC Report - Integrated Chromatogram

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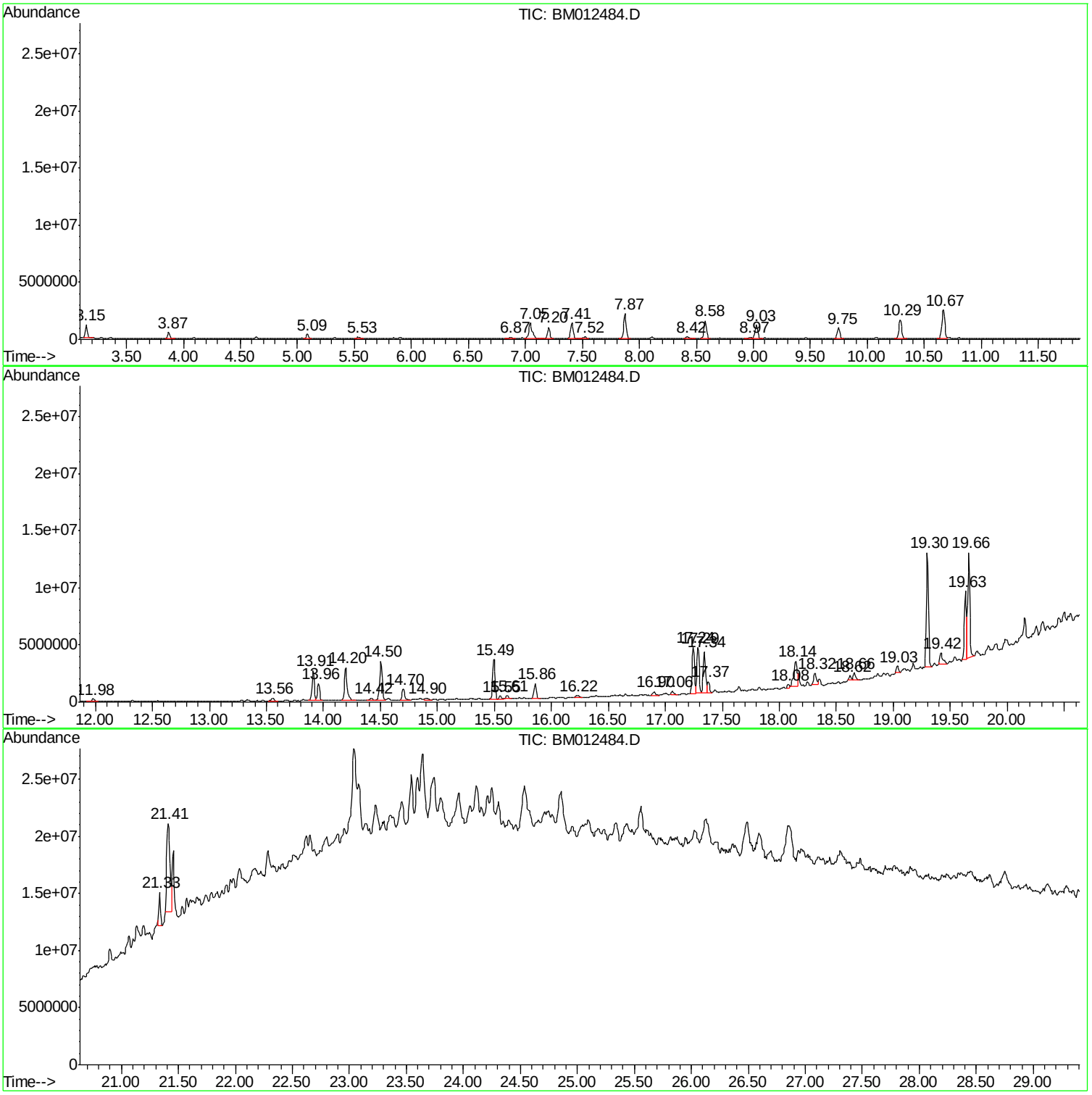
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 27 Oct 2017 13:43
Operator : SJ/JU
Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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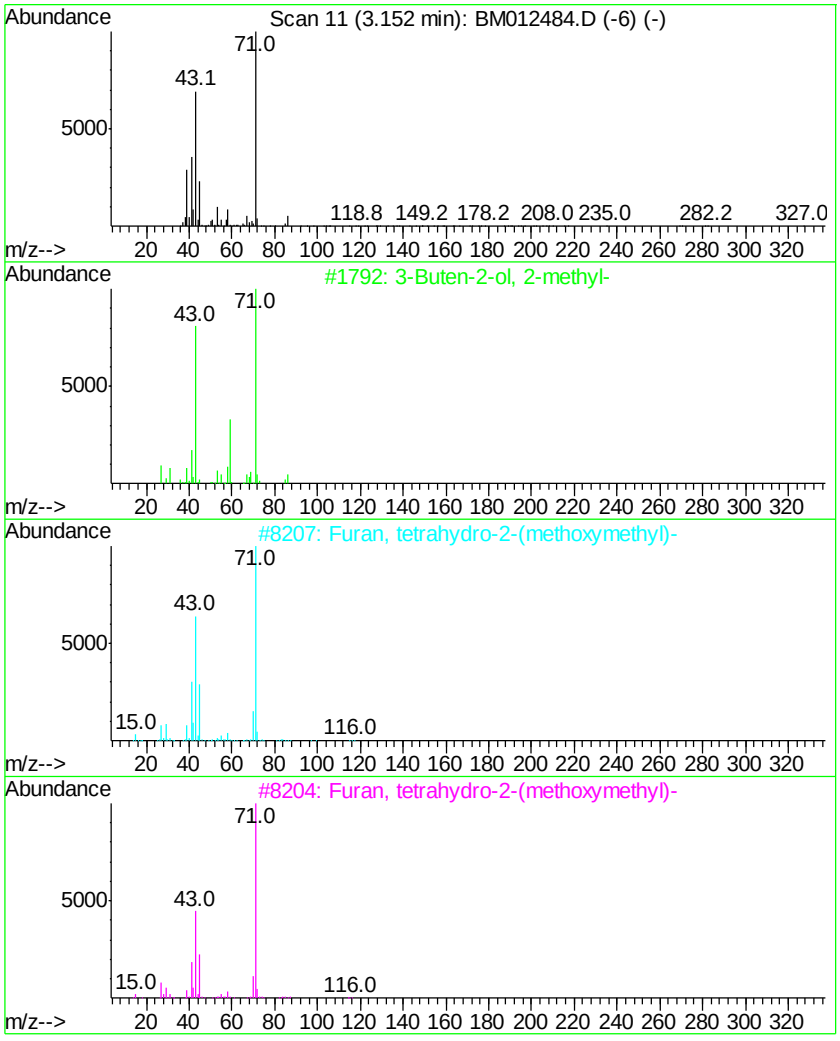
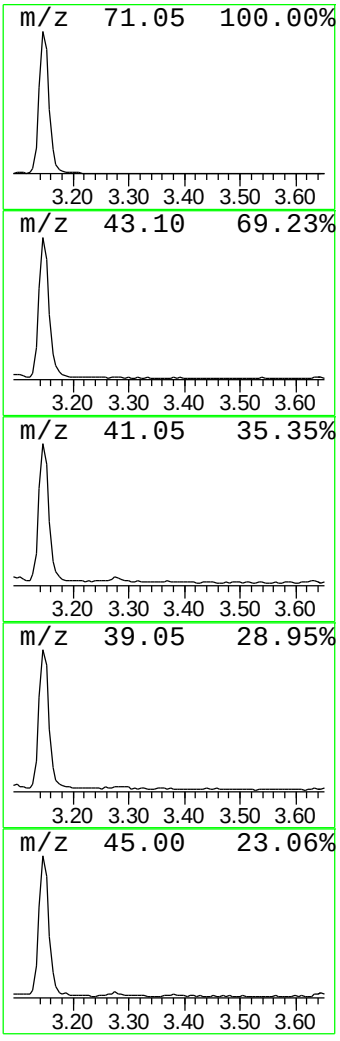
Peak Number 1 3-Buten-2-ol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	8.61 ng/ul	1494360	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	64
2	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
3	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
4	3-Penten-2-ol	86	C5H10O	001569-50-2	45
5	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	45





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Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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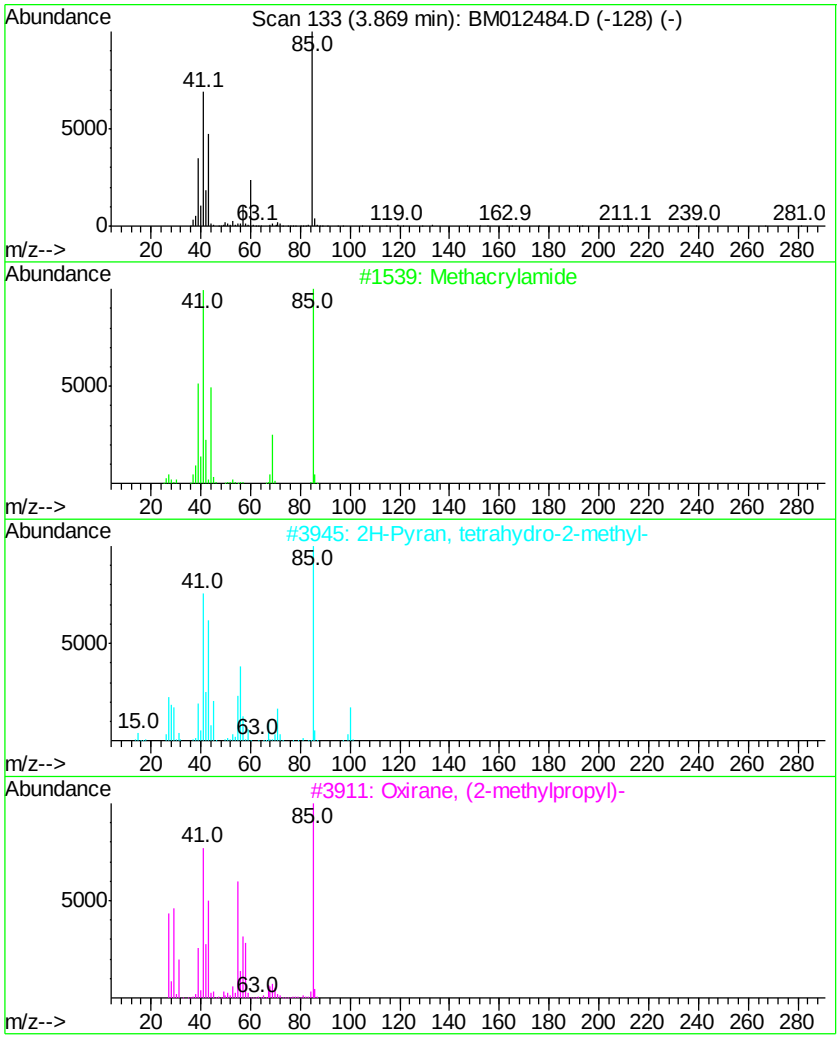
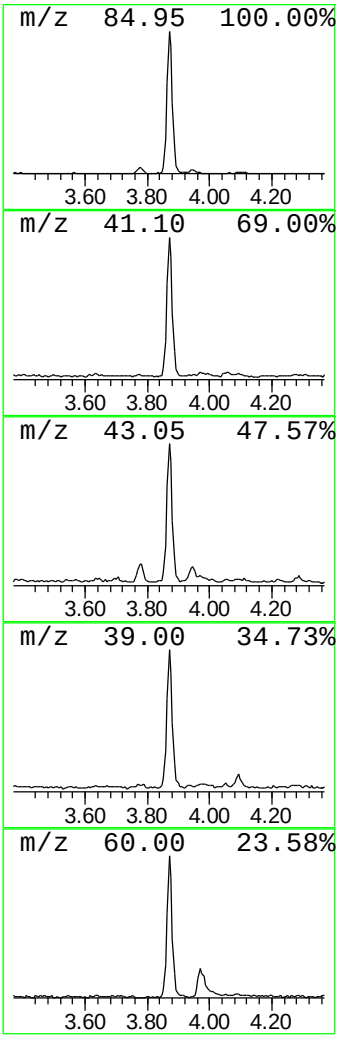
Peak Number 2 Methacrylamide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	4.12 ng/ul	716019	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	52
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
3	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	36
4	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	33
5	Methacrylamide	85	C4H7NO	000079-39-0	33





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Operator : SJ/JU
Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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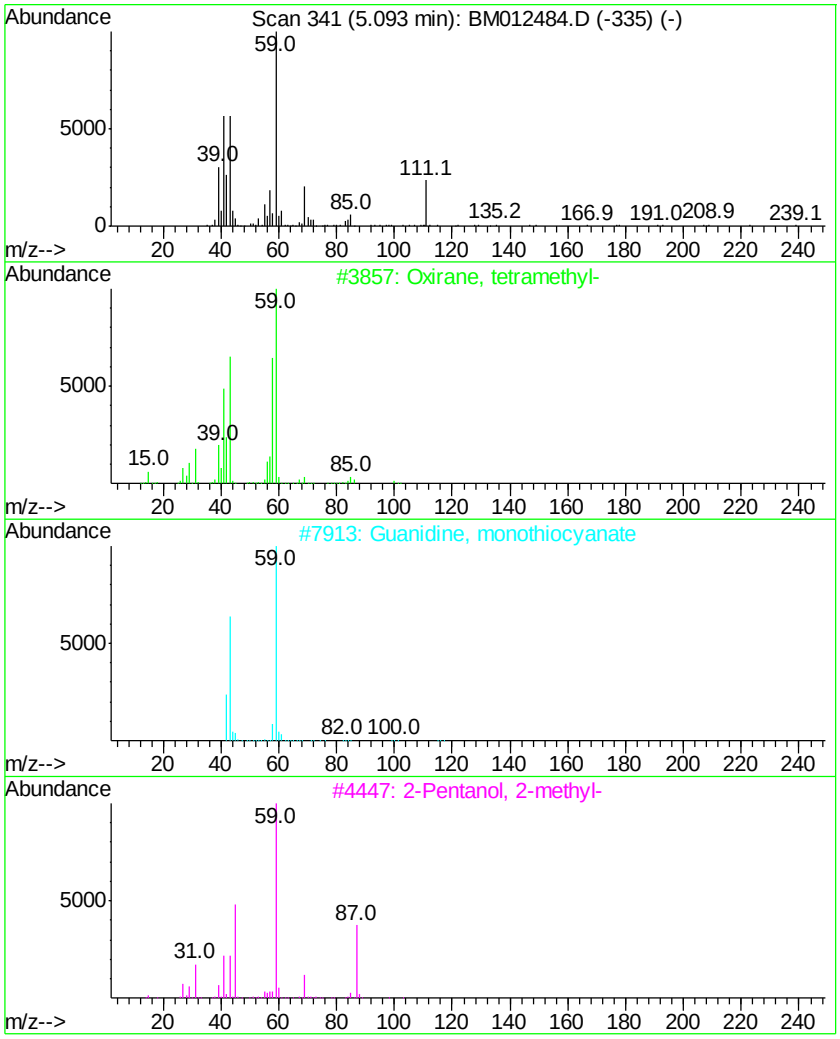
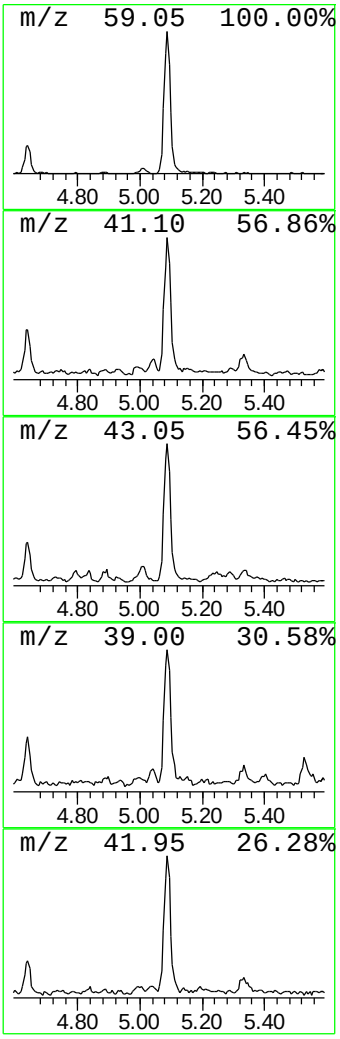
Peak Number 3 Oxirane, tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	3.41 ng/ul	592835	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	72
2	Guanidine, monothiocyanate	116	C2H4N4S	056960-89-5	58
3	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	42
4	(3,3-Dimethyloxiranyl)methanol	102	C5H10O2	1000306-71-7	40
5	2-Octanol, 2,6-dimethyl-	158	C10H22O	018479-57-7	40





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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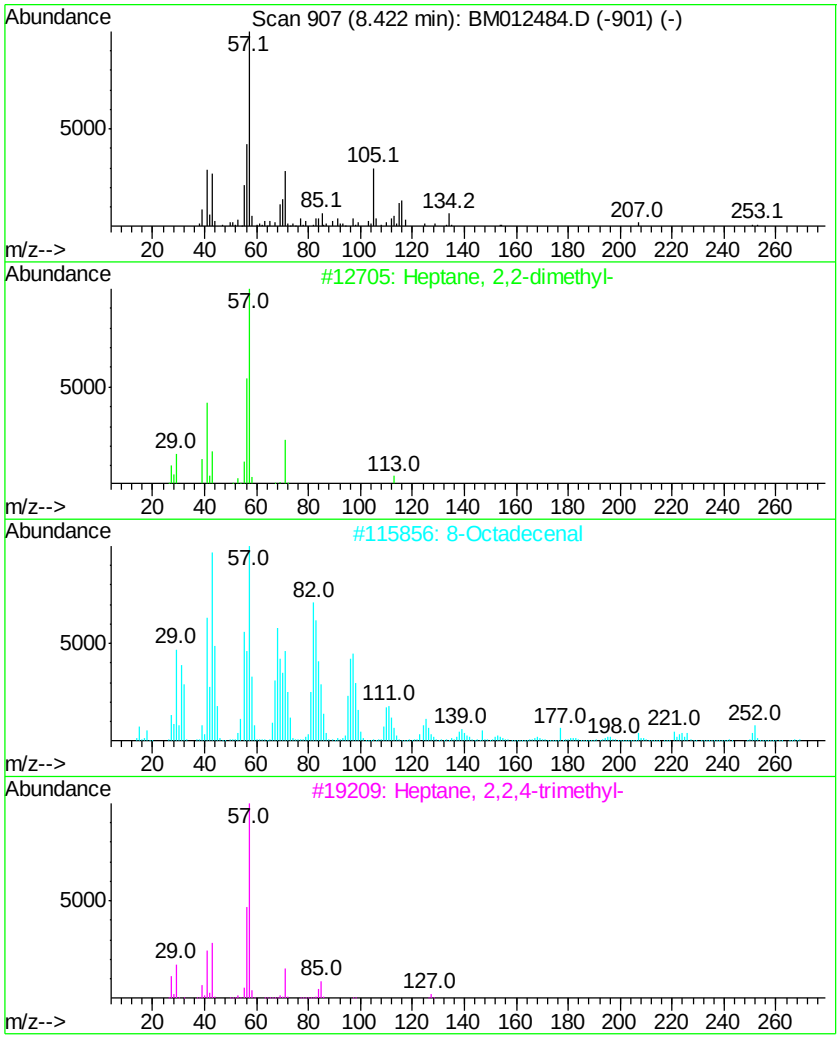
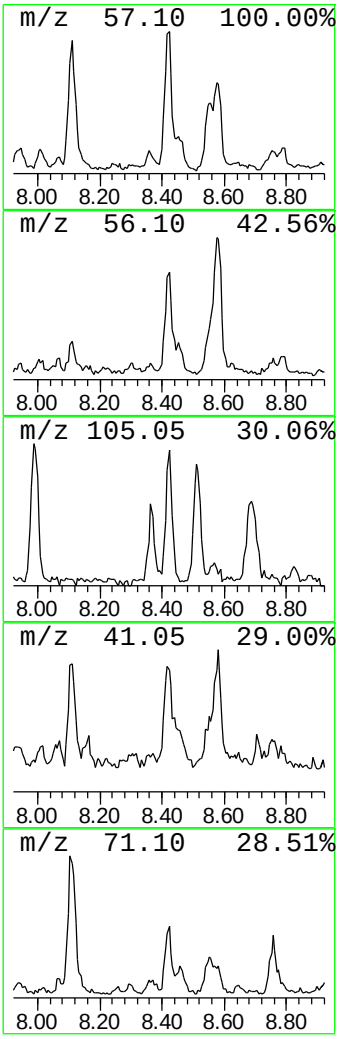
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	2.20 ng/ul	382684	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	43
2	8-Octadecenal	266	C18H34O	056554-94-0	43
3	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	38
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	27
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	27





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Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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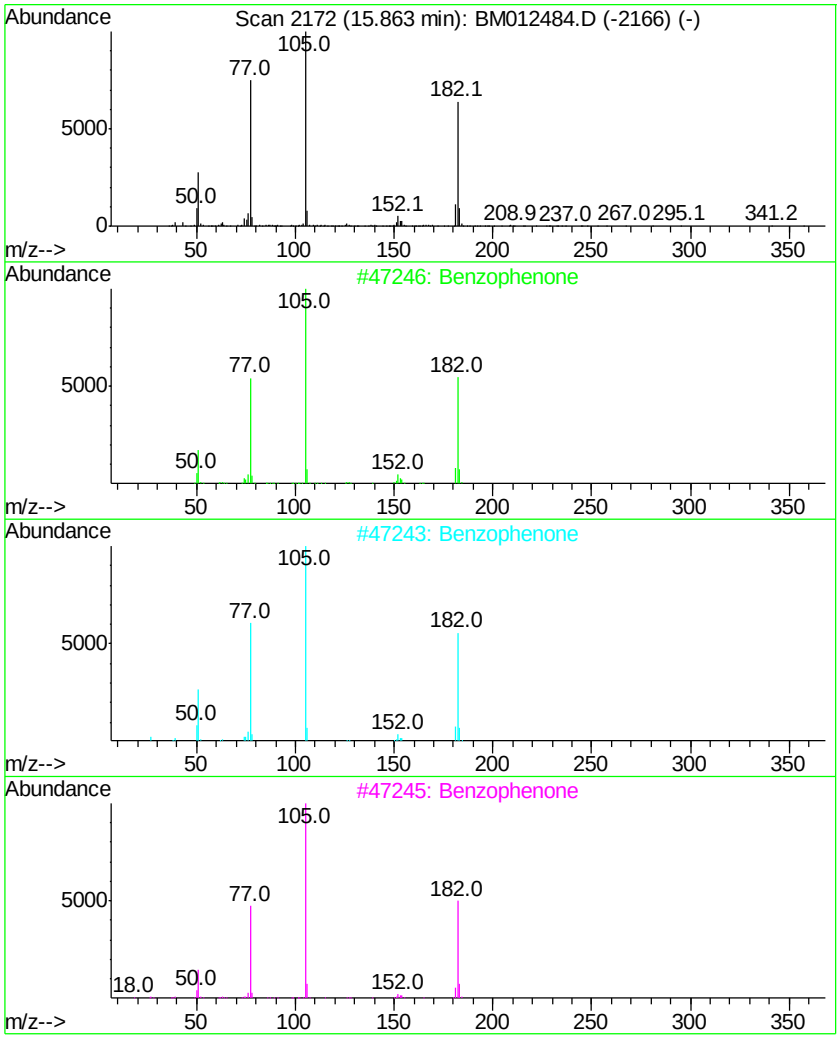
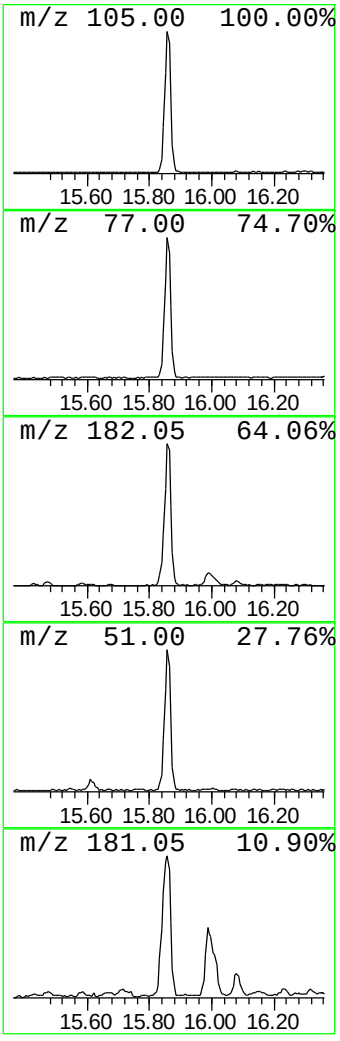
Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	7.09 ng/ul	1878570	Acenaphthene-d10	14.50

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	91
4	Benzophenone	182	C13H10O	000119-61-9	89
5	Benzophenone	182	C13H10O	000119-61-9	81





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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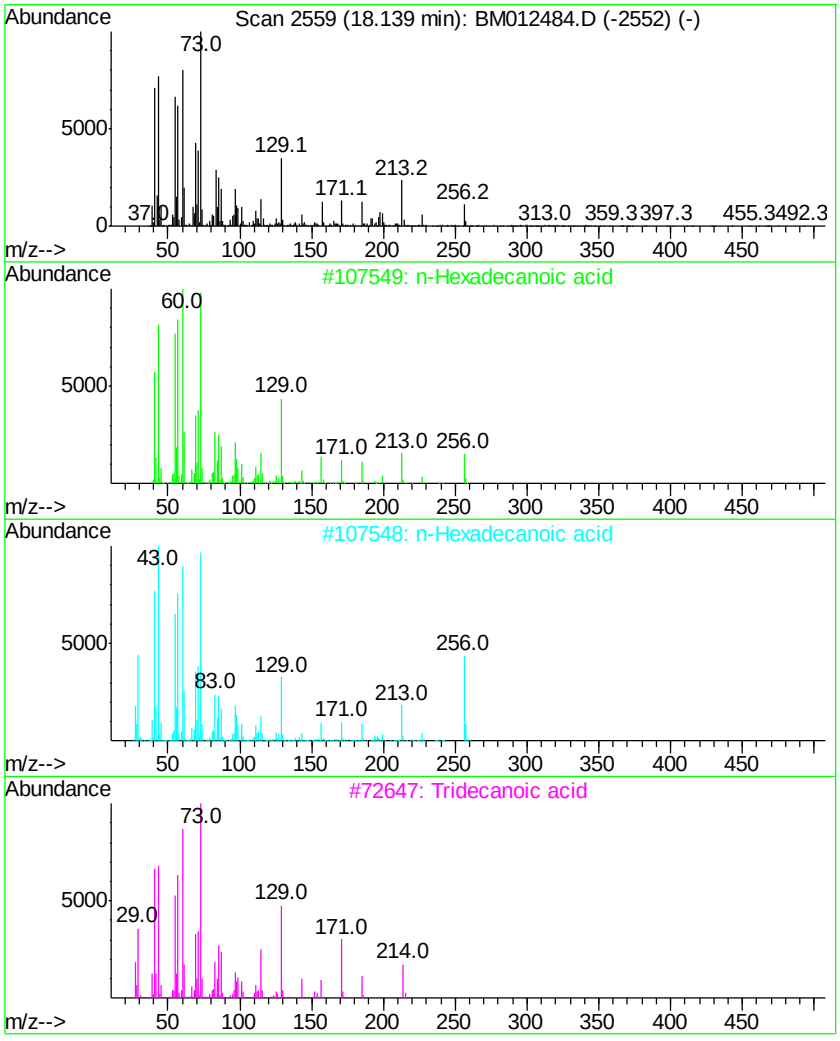
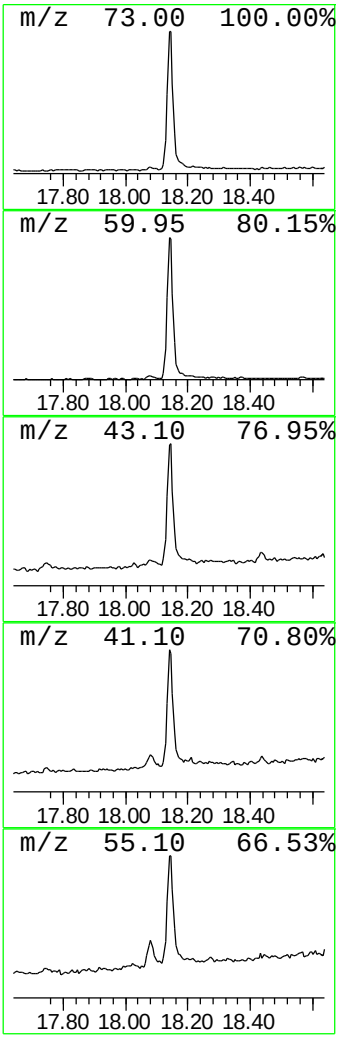
Peak Number 6 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	14.45 ng/ul	4214130	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





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Quant Title : SVOA CALIBRATION

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

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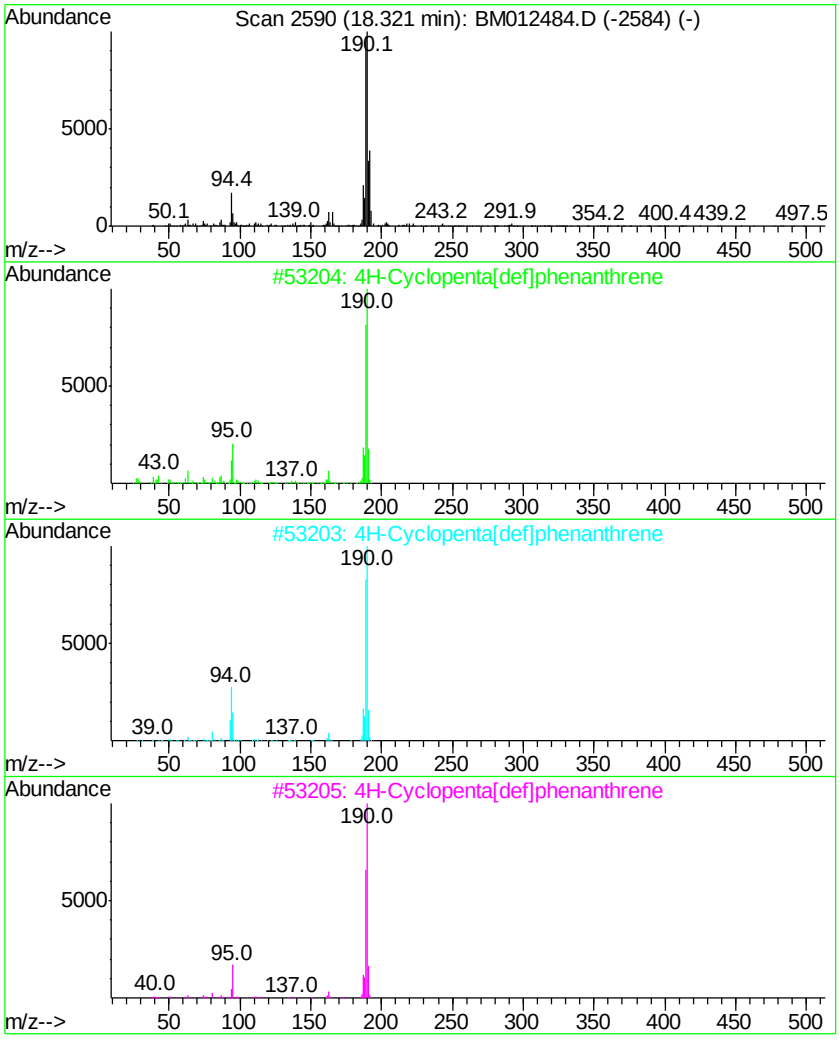
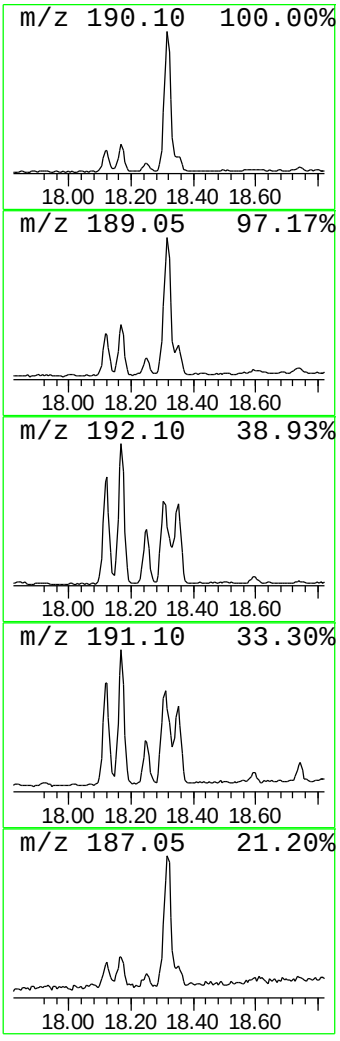
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.63 ng/ul	1932190	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012484.D
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Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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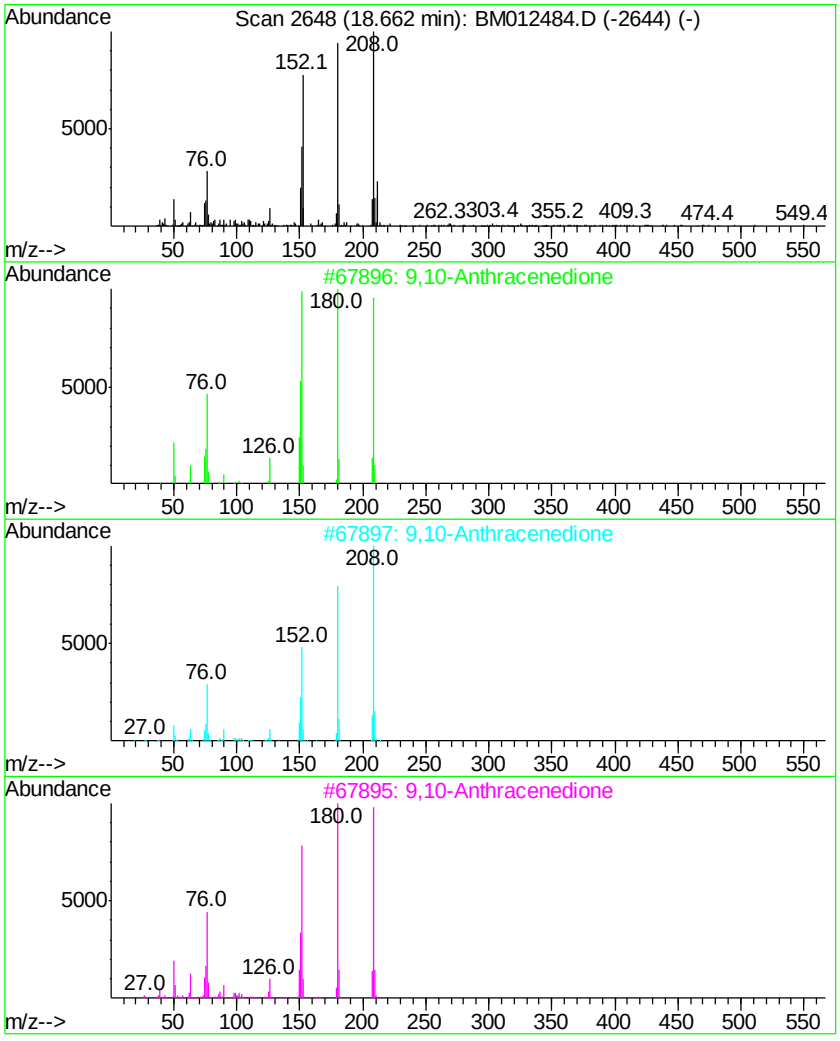
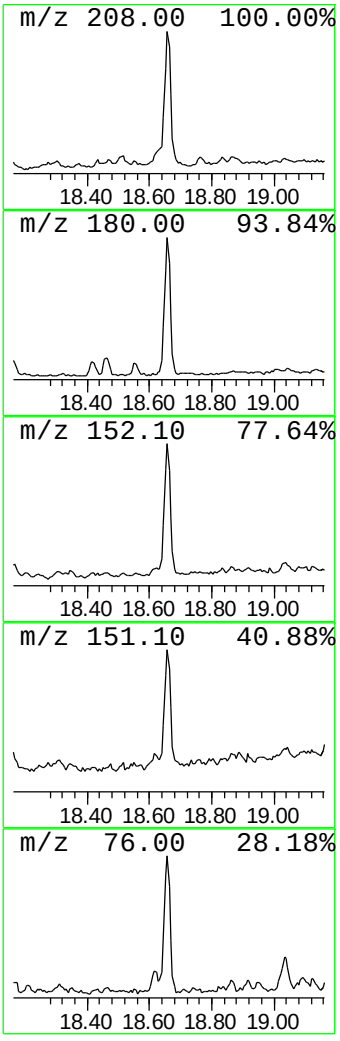
Peak Number 8 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.47 ng/ul	1011180	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Acq On : 27 Oct 2017 13:43
Operator : SJ/JU
Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

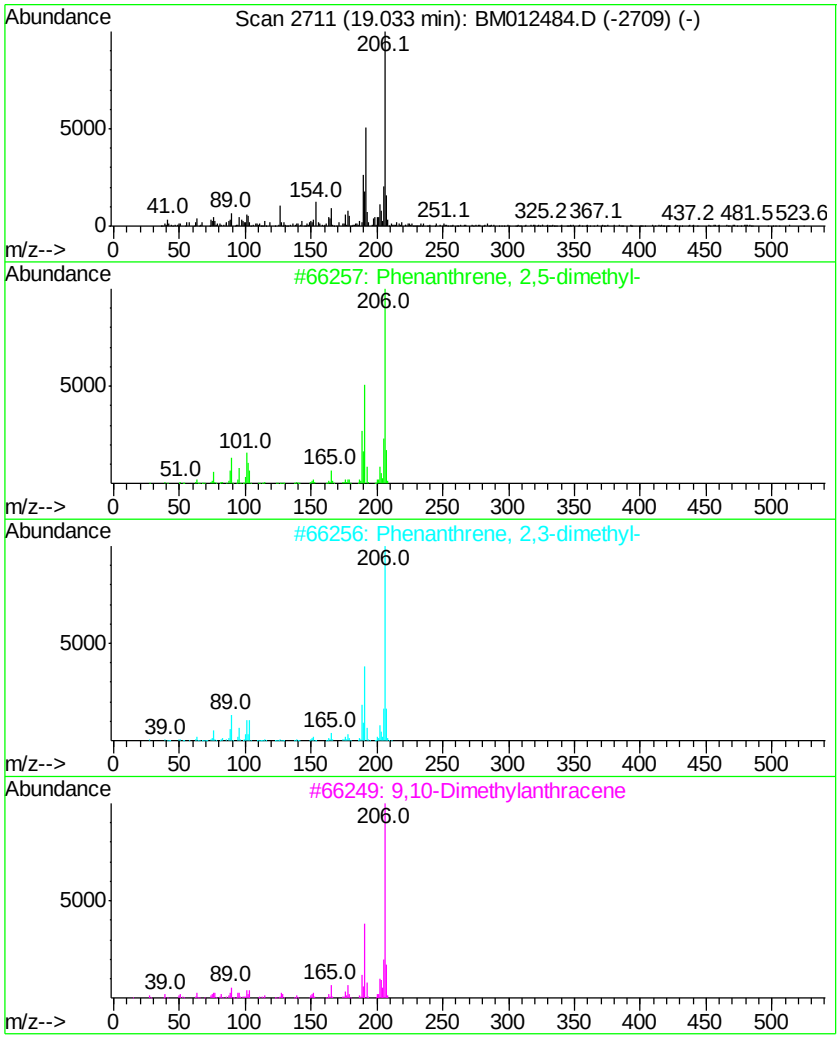
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

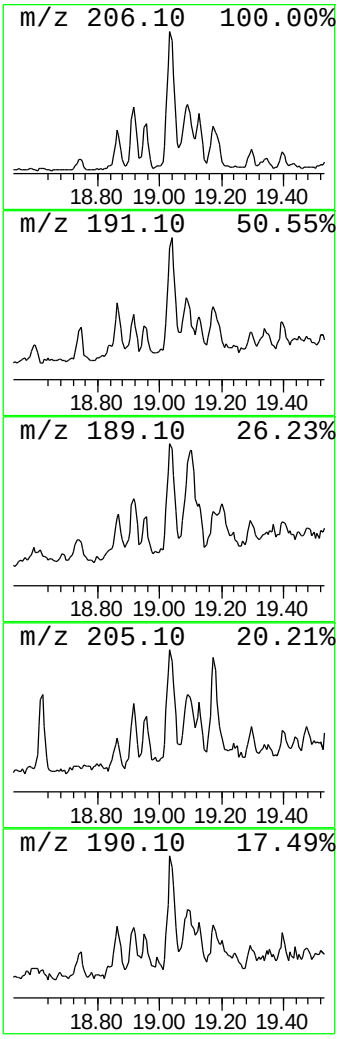
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.38 ng/ul	693367	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012484.D
Acq On : 27 Oct 2017 13:43
Operator : SJ/JU
Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

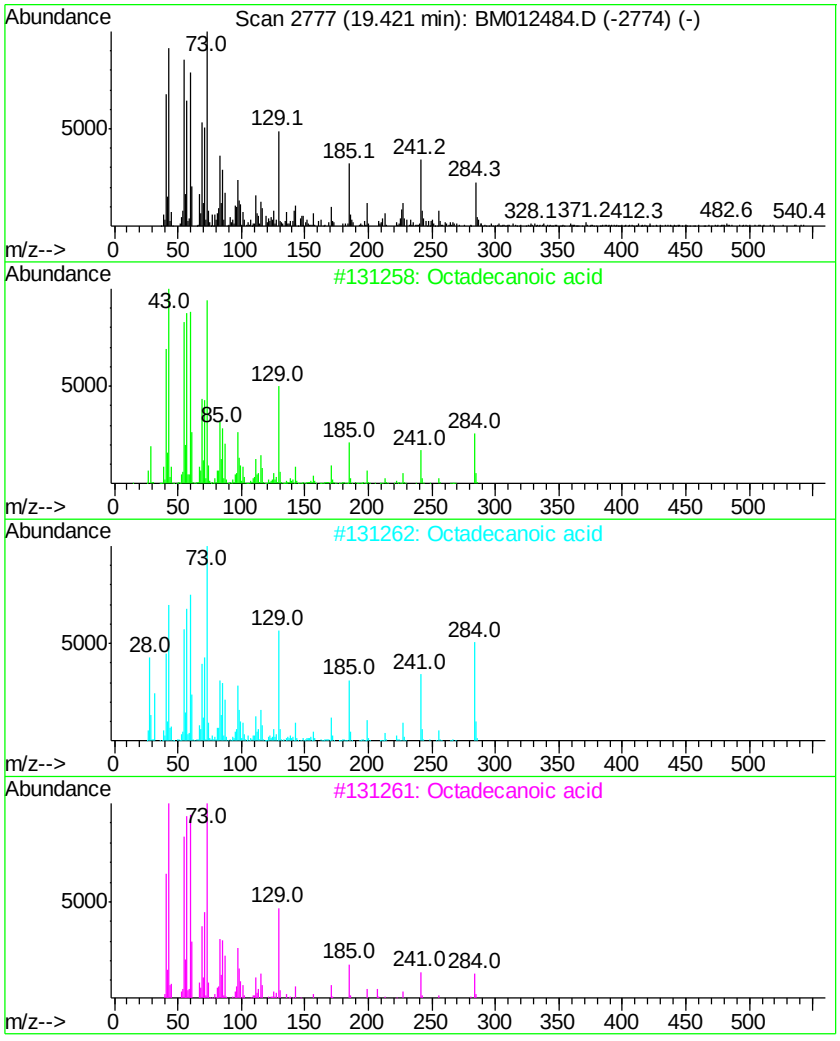
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

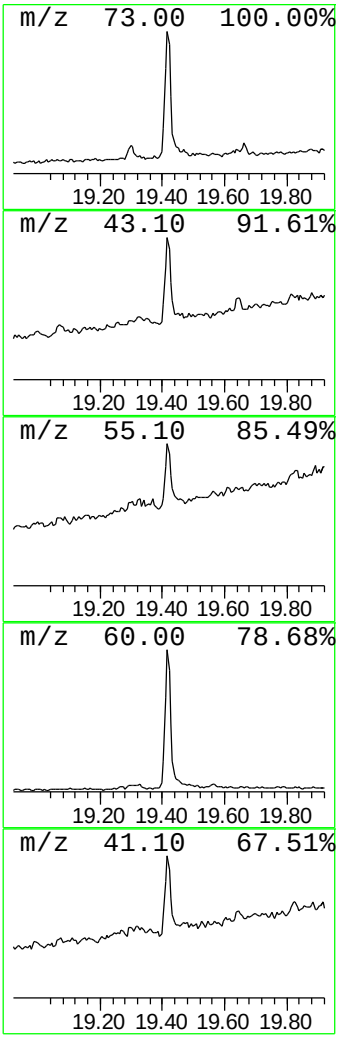
****

Peak Number 10 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	2.35 ng/ul	1815910	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	94
4	Octadecanoic acid	284	C18H36O2	000057-11-4	94
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102717\
Data File : BM012484.D
Acq On : 27 Oct 2017 13:43
Operator : SJ/JU
Sample : I5719-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-37(0-1)-100417

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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
3-Buten-2-ol, 2-m...	3.15	8.6	ng/ul	1494360	1	7.87	3472580	20.0
Methacrylamide	3.87	4.1	ng/ul	716019	1	7.87	3472580	20.0
Oxirane, tetramet...	5.09	3.4	ng/ul	592835	1	7.87	3472580	20.0
(DEL) Alkane: Str...	8.42	2.2	ng/ul	382684	1	7.87	3472580	20.0
Benzophenone	15.86	7.1	ng/ul	1878570	3	14.50	5296660	20.0
n-Hexadecanoic acid	18.14	14.4	ng/ul	4214130	4	17.24	5832230	20.0
4H-Cyclopenta[def...	18.32	6.6	ng/ul	1932190	4	17.24	5832230	20.0
9,10-Anthracenedione	18.66	3.5	ng/ul	1011180	4	17.24	5832230	20.0
Phenanthrene, 2,5...	19.03	2.4	ng/ul	693367	4	17.24	5832230	20.0
Octadecanoic acid	19.42	2.4	ng/ul	1815910	5	21.42	15472700	20.0