LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

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\SOM02.2-EPA-BM022317.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	3.328	37	41	45	rBV	230432	314424	3.01%	0.483%
2	4.452	227	232	238	rBV	98974	129772	1.24%	0.200%
3	4.616	254	260	273	rVB	7276574	10453687	100.00%	16.071%
4	5.951	480	487	497	rVB2	167629	269201	2.58%	0.414%
5	7.045	668	673	684	rVB	175936	323080	3.09%	0.497%
6	7.228	697	704	710	rBV	579258	883570	8.45%	1.358%
7	7.422	731	737	745	rBV	626797	990477	9.47%	1.523%
8	7.504	745	751	755	rBV	80984	112677	1.08%	0.173%
9	7.898	808	818	823	rBV	723520	1177277	11.26%	1.810%
10	8.457	903	913	918	rBV	160933	302504	2.89%	0.465%
11	8.587	930	935	947	rBV2	455578	774117	7.41%	1.190%
12	9.063	1009	1016	1026	rBV	739651	1252883	11.99%	1.926%
13	9.781	1129	1138	1145	rBV	592771	996168	9.53%	1.531%
14	10.092	1185	1191	1194	rBV3	64730	104698	1.00%	0.161%
15	10.310	1221	1228	1235	rBV	890830	1452815	13.90%	2.233%
16	10.698	1287	1294	1303	rBV	922992	1537162	14.70%	2.363%
17	11.575	1435	1443	1449	rBV	886589	1426102	13.64%	2.192%
18	12.910	1662	1670	1677	rBV2	202057	293458	2.81%	0.451%
19	13.533	1768	1776	1783	rBV3	62884	139487	1.33%	0.214%
20	13.763	1802	1815	1817	rBV10	37550	125116	1.20%	0.192%
21	13.939	1838	1845	1850	rBV	1752472	2426529	23.21%	3.730%
22	13.986	1850	1853	1866	rVB	111451	158150	1.51%	0.243%
23	14.227	1889	1894	1902	rVB	1656827	2460877	23.54%	3.783%
24	14.533	1939	1946	1958	rBV2	1253174	2022669	19.35%	3.109%
25	14.721	1972	1978	1984	rBV2	171933	271096	2.59%	0.417%
26	14.998	2021	2025	2037	rVB2	130201	221827	2.12%	0.341%
27	15.527	2108	2115	2122	rBV	2374499	3353050	32.08%	5.155%
28	15.639	2128	2134	2142	rBV	816931	1188212	11.37%	1.827%
29	15.910	2176	2180	2186	rVB3	111882	155061	1.48%	0.238%
30	16.227	2229	2234	2242	rBV2	91199	155569	1.49%	0.239%
31	17.280	2407	2413	2419	rBV	1725561	2425753	23.20%	3.729%
32	17.380	2423	2430	2439	rVV	2665349	3796768	36.32%	5.837%
33	17.980	2526	2532	2537	rBV	151910	225777	2.16%	0.347%
34	18.151	2556	2561	2570	rBV2	239493	327885	3.14%	0.504%

LSC Area Percent Report

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Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

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\SOM02.2-EPA-BM022317.M
Title : SVOA CALIBRATION

35	19.427	2774	2778	2786	rBV2	130853	182908	1.75%	0.281%
36	19.668	2813	2819	2829	rBV	3503000	4679275	44.76%	7.194%
37	20.386	2935	2941	2952	rBV	4203608	5641128	53.96%	8.672%
38	21.139	3065	3069	3076	rBV4	241948	336377	3.22%	0.517%
39	21.450	3117	3122	3129	rBV	2623679	3335091	31.90%	5.127%
40	23.644	3488	3495	3503	rVB2	2517311	5126571	49.04%	7.881%
41	23.791	3514	3520	3530	rVB	1590599	3134335	29.98%	4.818%
42	24.315	3605	3609	3617	rVB2	194525	364538	3.49%	0.560%

Sum of corrected areas: 65048121

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009038.D
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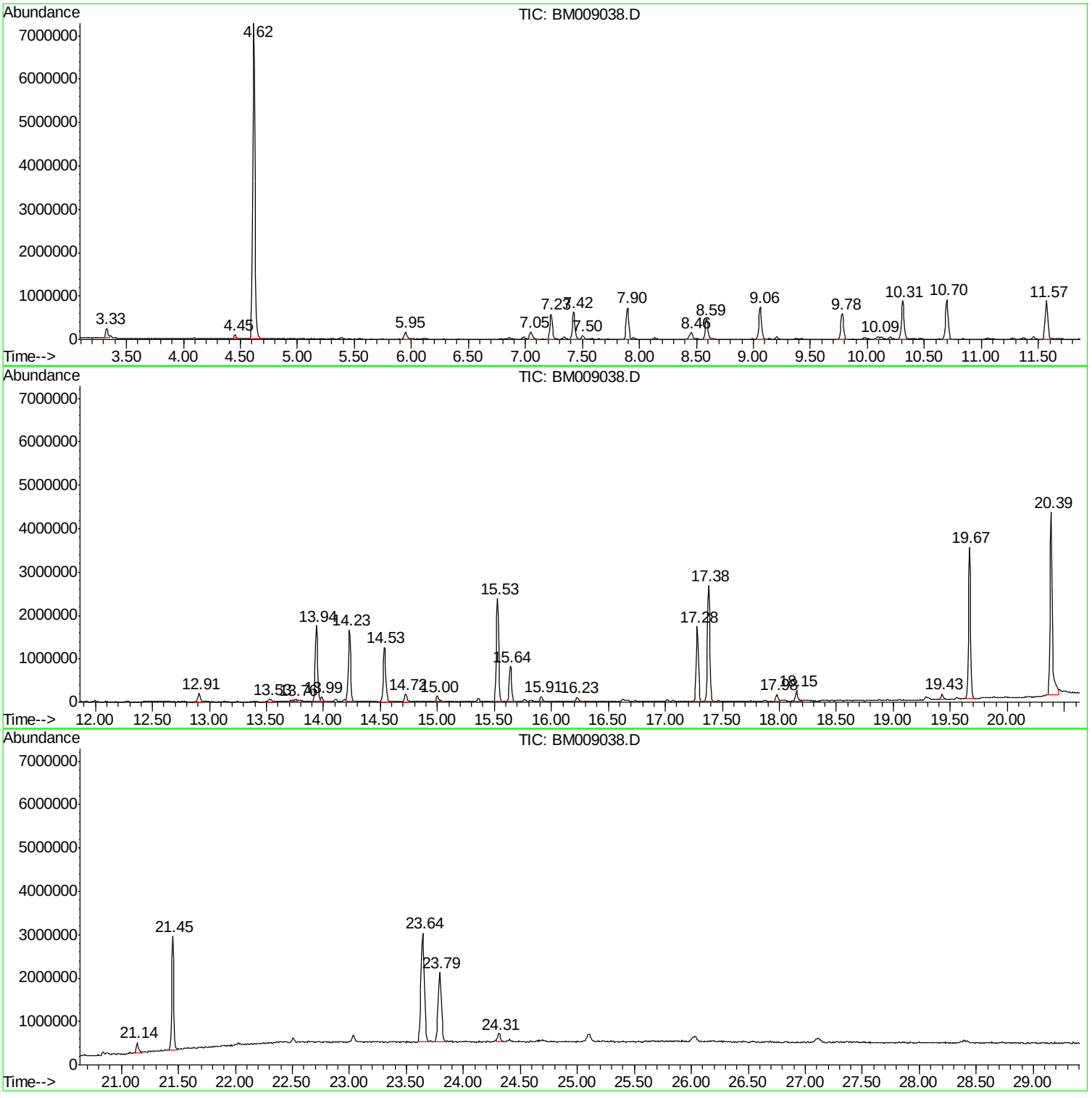
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

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

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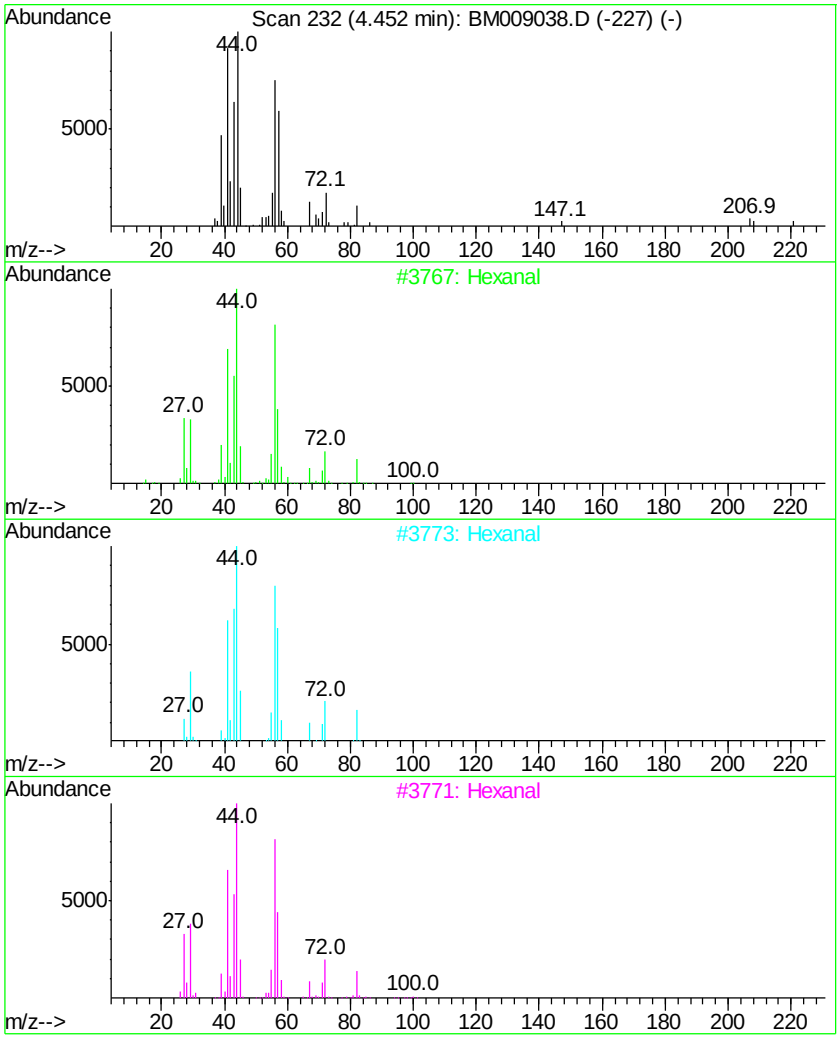
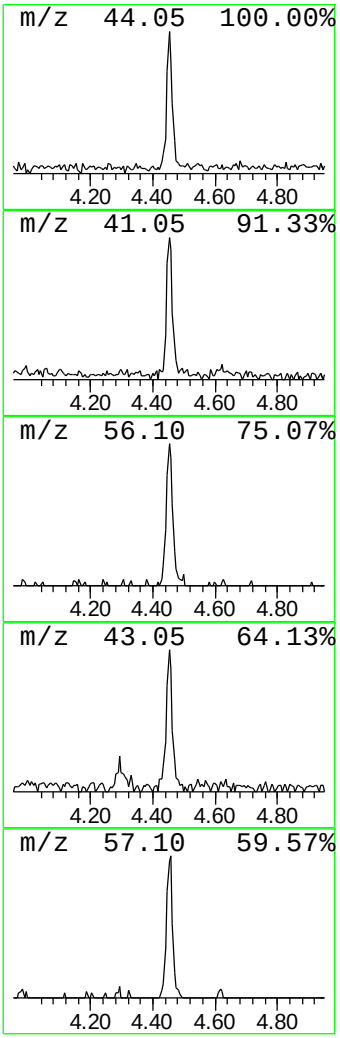
Peak Number 1 Hexanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	2.20 ng/ul	129772	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	64
2	Hexanal	100	C6H12O	000066-25-1	59
3	Hexanal	100	C6H12O	000066-25-1	59
4	Hexanal	100	C6H12O	000066-25-1	59
5	Adenine-9-propanoic acid, .alpha...	322	C13H18N6O4	055387-36-5	42





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

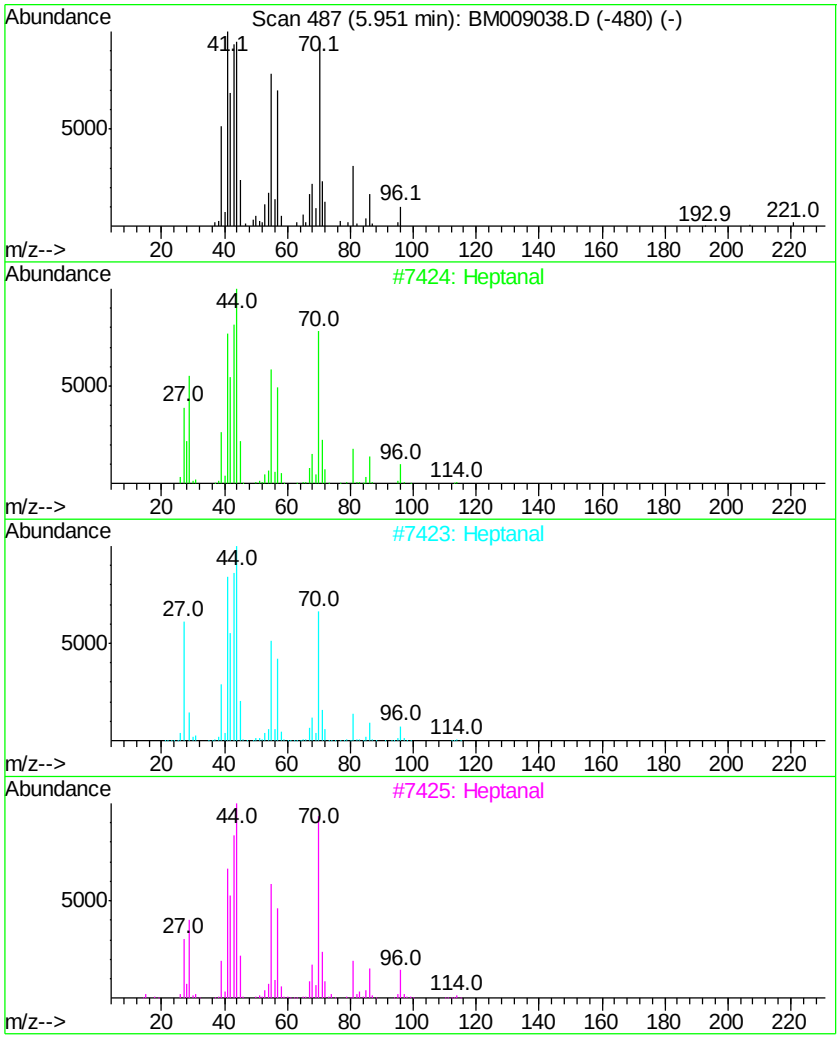
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

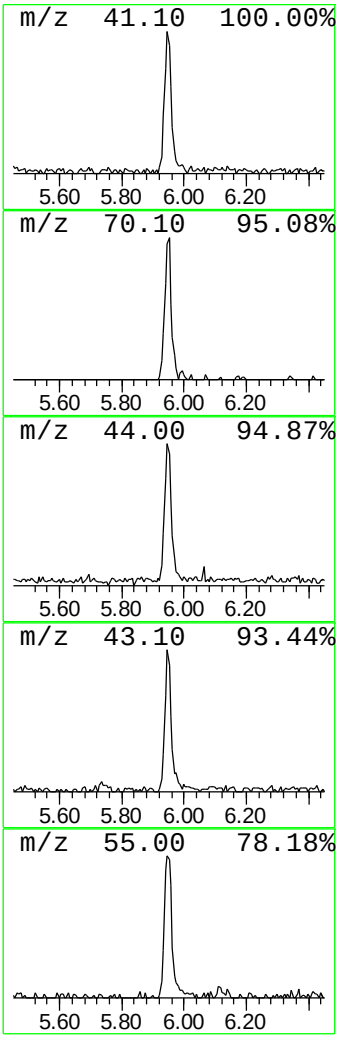
****

Peak Number 3 Heptanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	4.57 ng/ul	269201	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	90
2	Heptanal	114	C7H14O	000111-71-7	83
3	Heptanal	114	C7H14O	000111-71-7	83
4	Heptanal	114	C7H14O	000111-71-7	78
5	Heptanal	114	C7H14O	000111-71-7	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
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Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

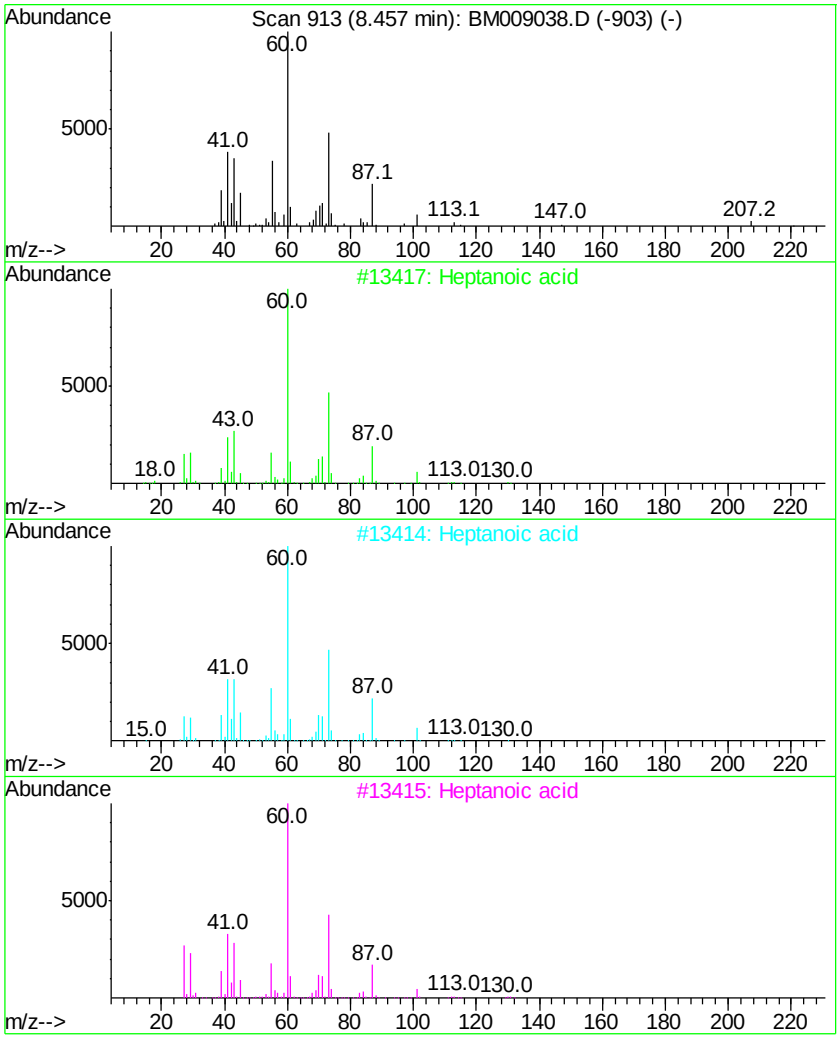
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

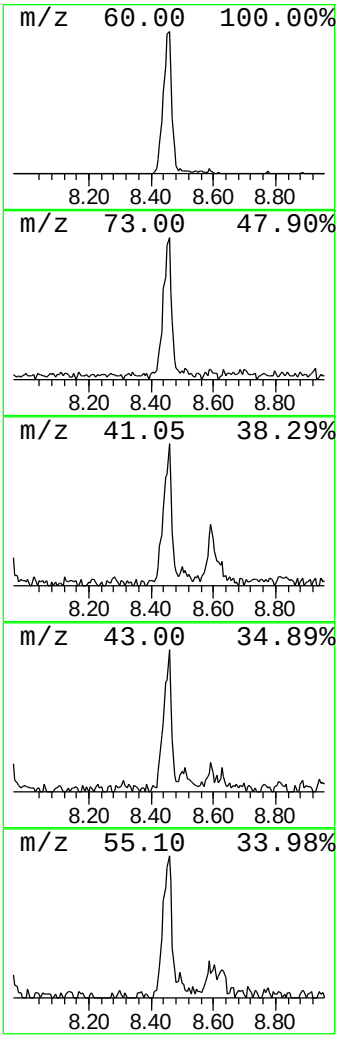
****

Peak Number 4 Heptanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	5.14 ng/ul	302504	1,4-Dichlorobenzene-d4	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	78
2	Heptanoic acid	130	C7H14O2	000111-14-8	78
3	Heptanoic acid	130	C7H14O2	000111-14-8	64
4	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	59
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	59





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

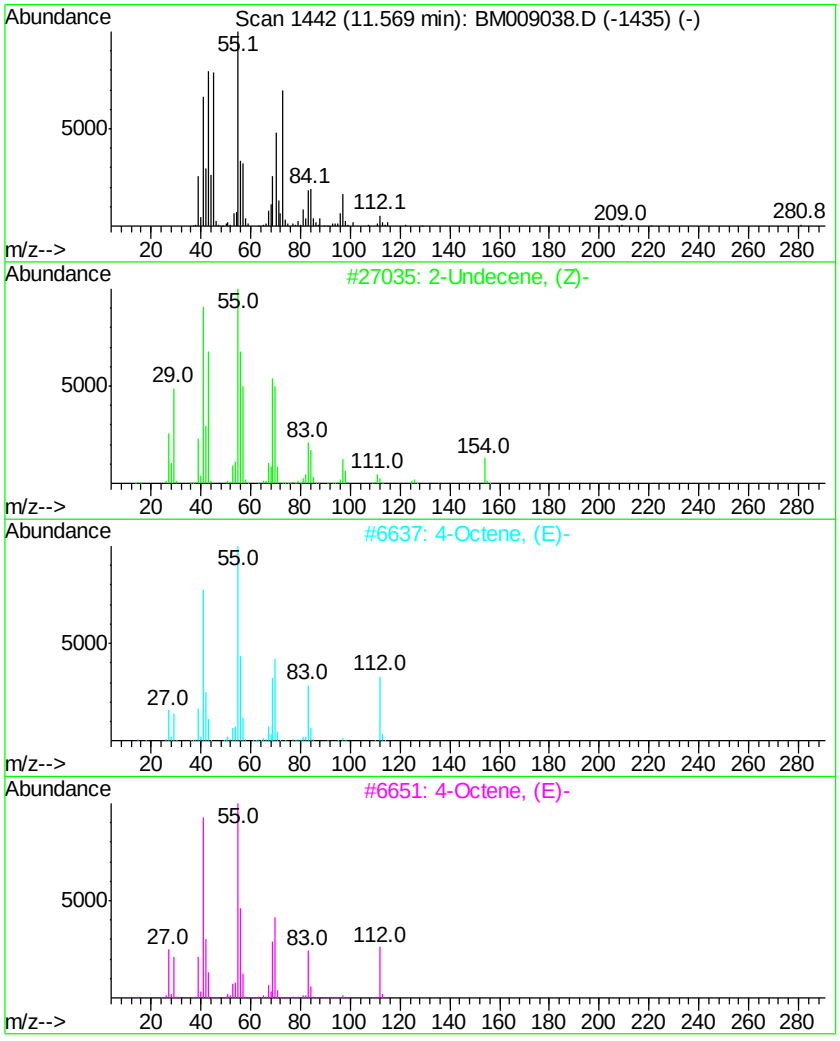
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

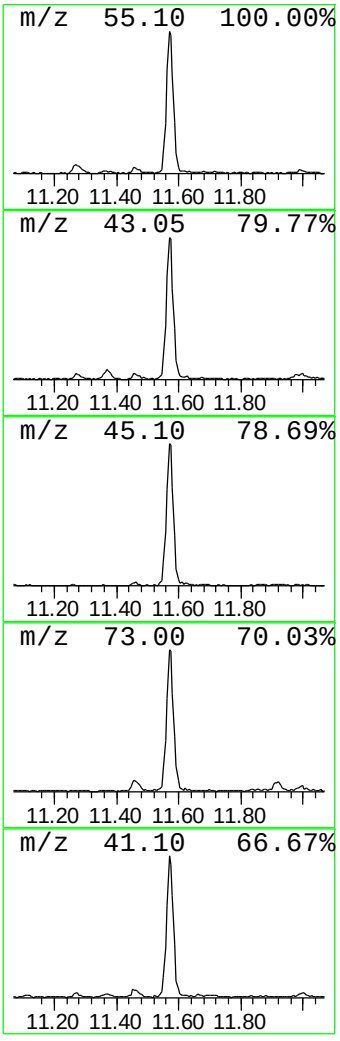
****

Peak Number 5 (DEL) Alkane: Cyclic11.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	18.56 ng/ul	1426100	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, (Z)-	154	C11H22	000821-96-5	38
2	4-Octene, (E)-	112	C8H16	014850-23-8	35
3	4-Octene, (E)-	112	C8H16	014850-23-8	35
4	2-Nonenal, (E)-	140	C9H16O	018829-56-6	27
5	1-Octene, 6-methyl-	126	C9H18	013151-10-5	27





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
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Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

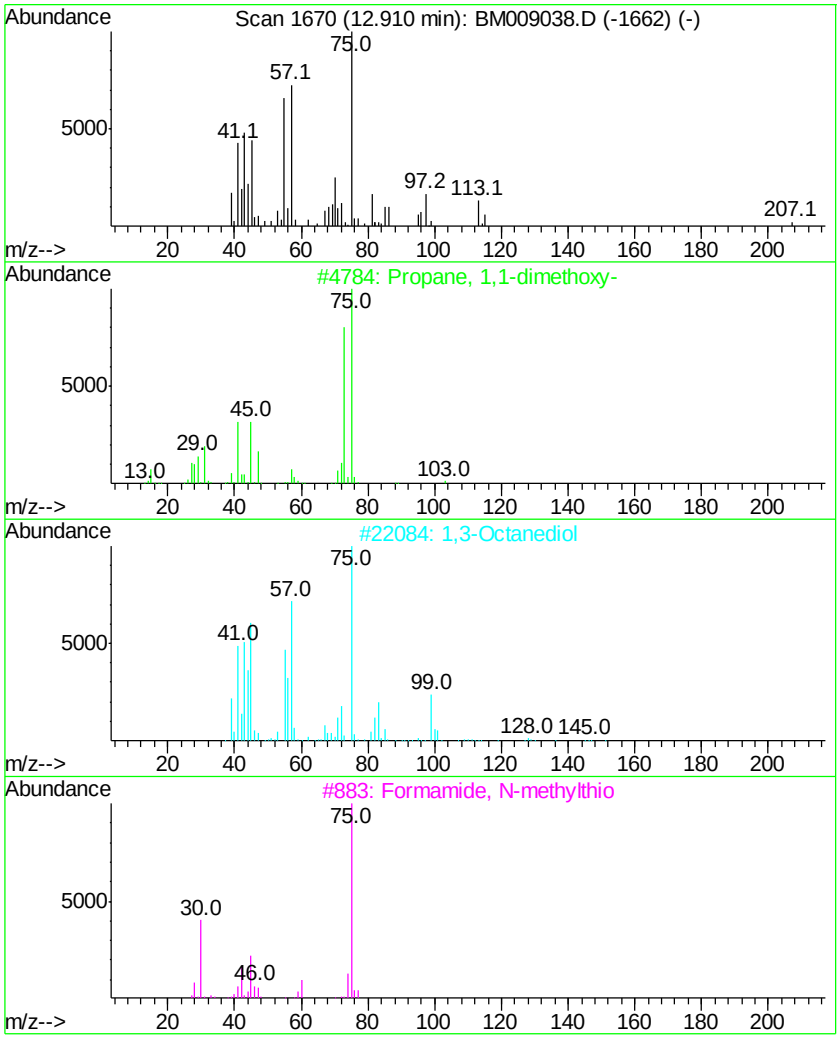
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

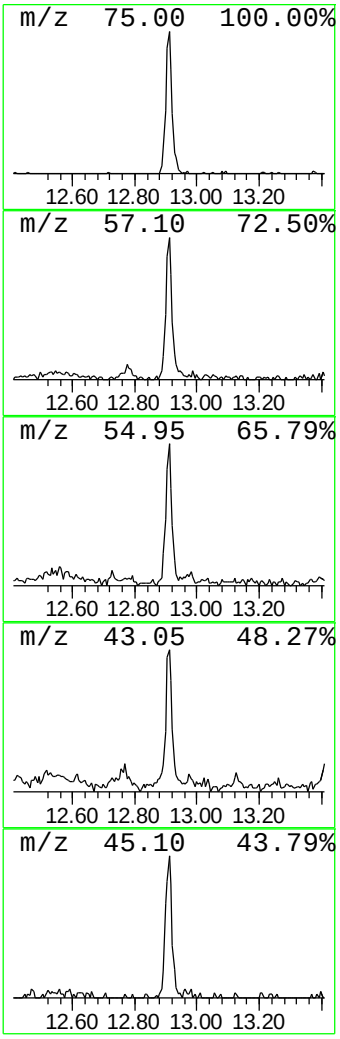
****

Peak Number 6 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	2.90 ng/ul	293458	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	40
2	1,3-Octanediol	146	C8H18O2	023433-05-8	40
3	Formamide, N-methylthio	75	C2H5NS	018952-41-5	38
4	1,2,4-Butanetriol	106	C4H10O3	003068-00-6	38
5	1,2,4-Butanetriol	106	C4H10O3	003068-00-6	38





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Sample : I1943-13
Misc :
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Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

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

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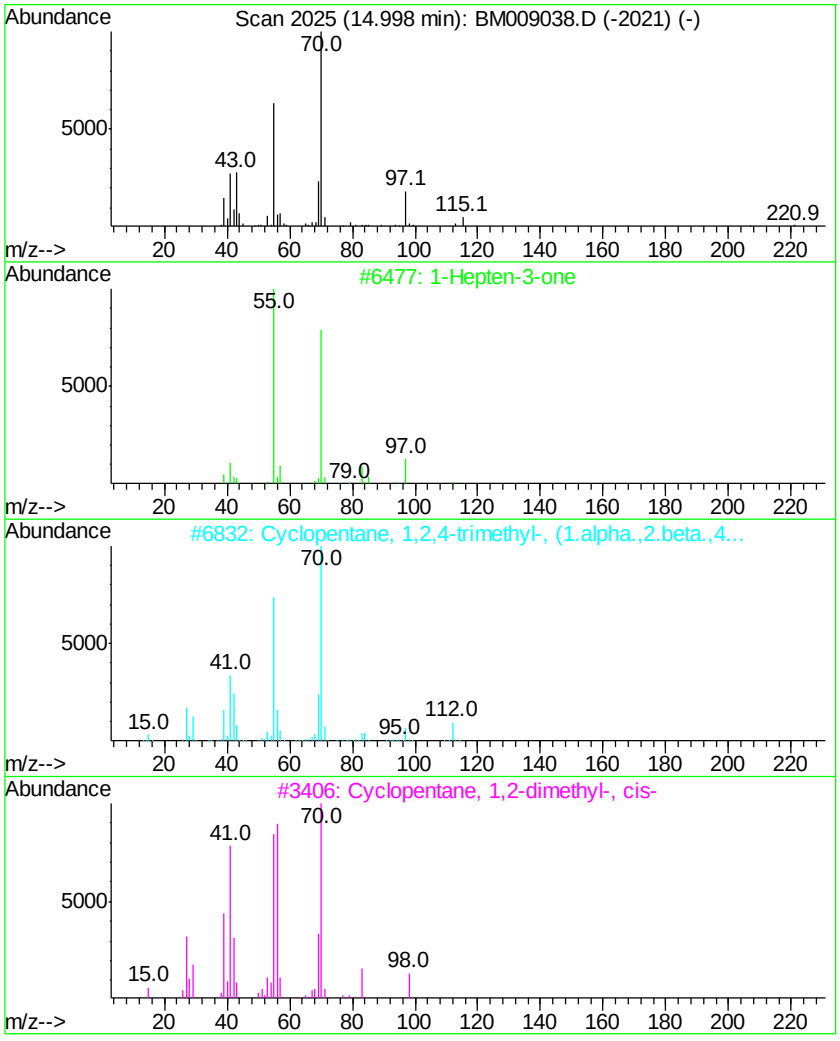
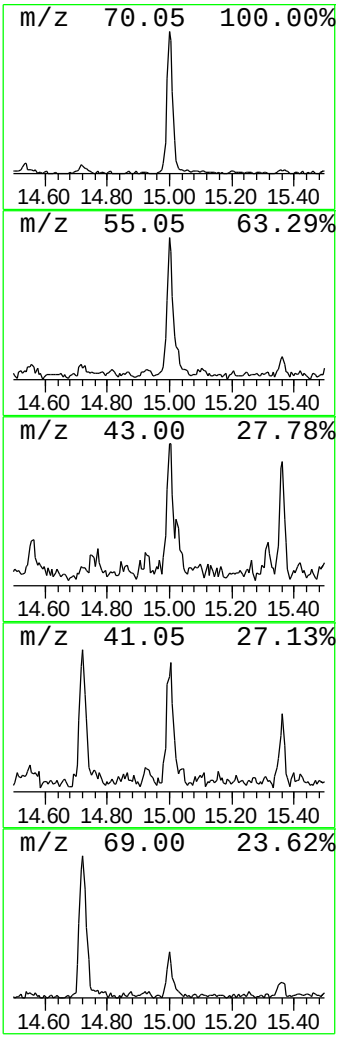
Peak Number 7 1-Hepten-3-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	2.19 ng/ul	221827	Acenaphthene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hepten-3-one	112	C7H12O	002918-13-0	64
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	50
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
4	D-Proline	115	C5H9NO2	000344-25-2	45
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	45





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Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

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

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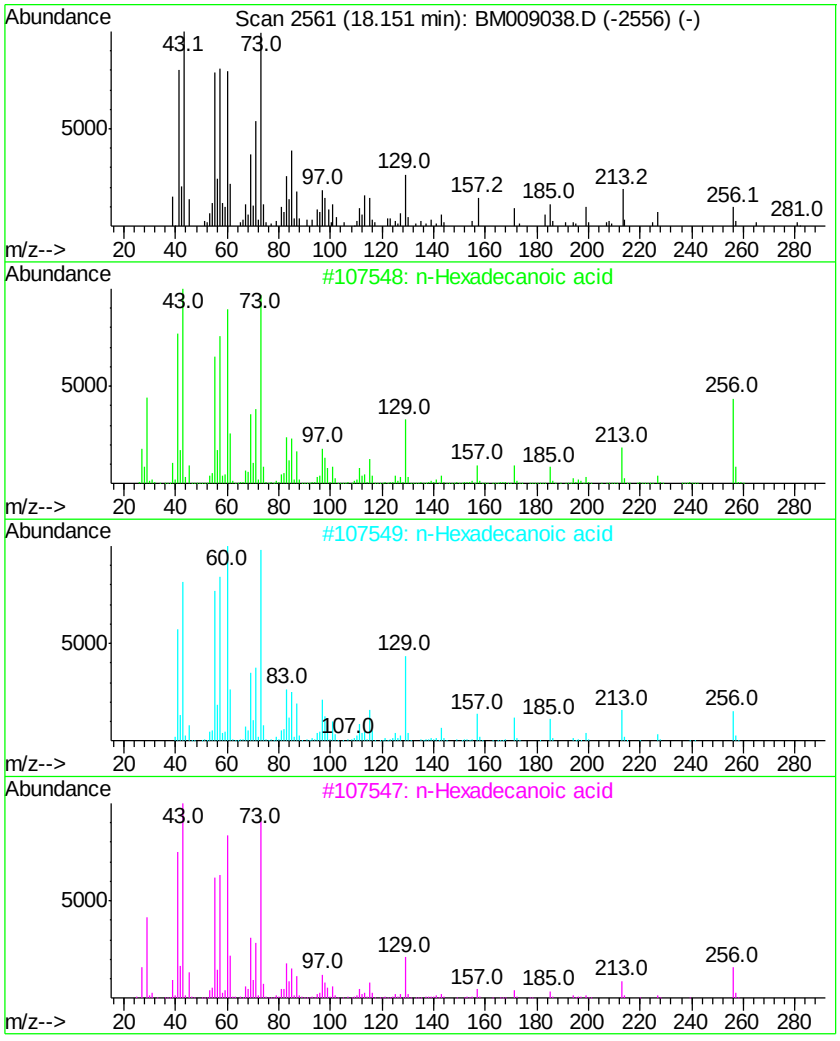
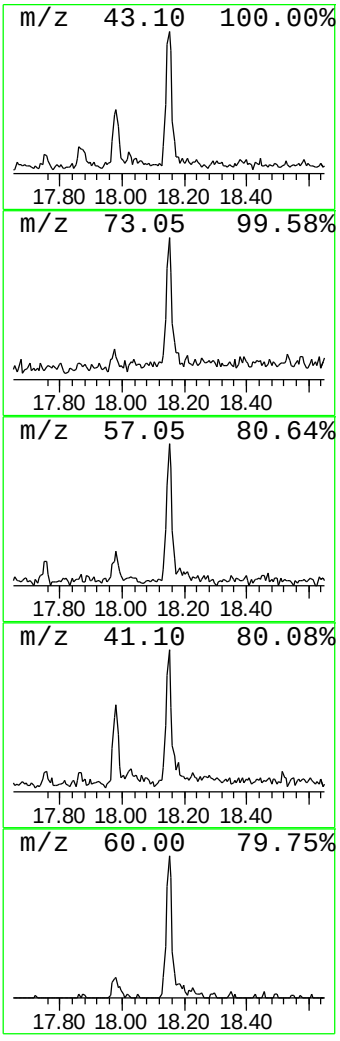
Peak Number 8 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.70 ng/ul	327885	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
4	Tridecanoic acid	214	C13H26O2	000638-53-9	60
5	Dodecanoic acid	200	C12H24O2	000143-07-7	60





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Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

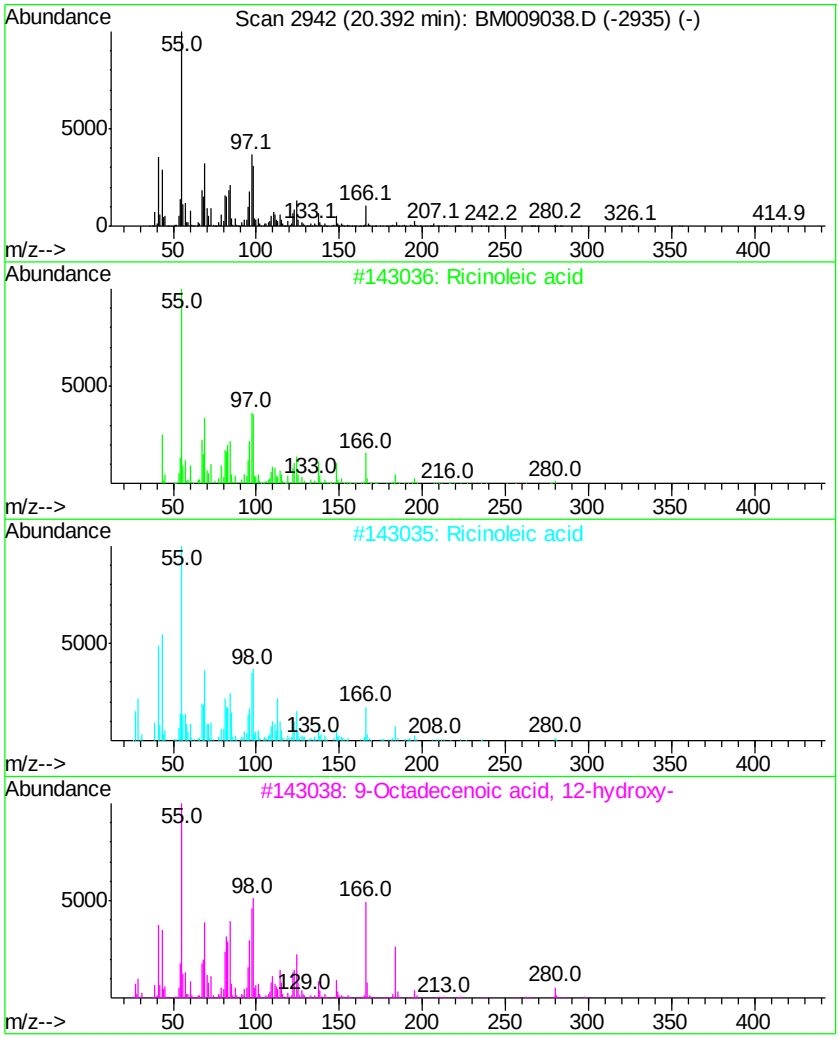
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

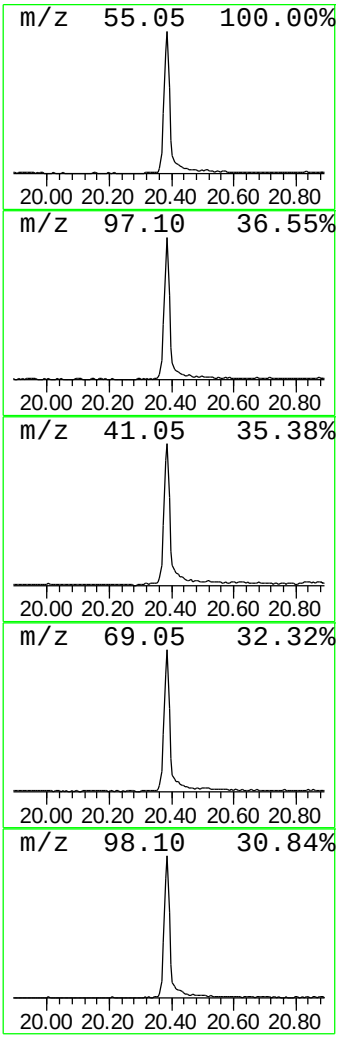
****

Peak Number 9 Ricinoleic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	33.83 ng/ul	5641130	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ricinoleic acid	298	C18H34O3	000141-22-0	91
2	Ricinoleic acid	298	C18H34O3	000141-22-0	86
3	9-Octadecenoic acid, 12-hydroxy-	298	C18H34O3	007431-95-0	80
4	Methyl 12-hydroxy-9-octadecenoate	312	C19H36O3	1000336-28-8	59
5	Chloromethyl 6-chloroundecanoate	268	C12H22Cl2O2	080418-92-4	53





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Data File : BM009038.D
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Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

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

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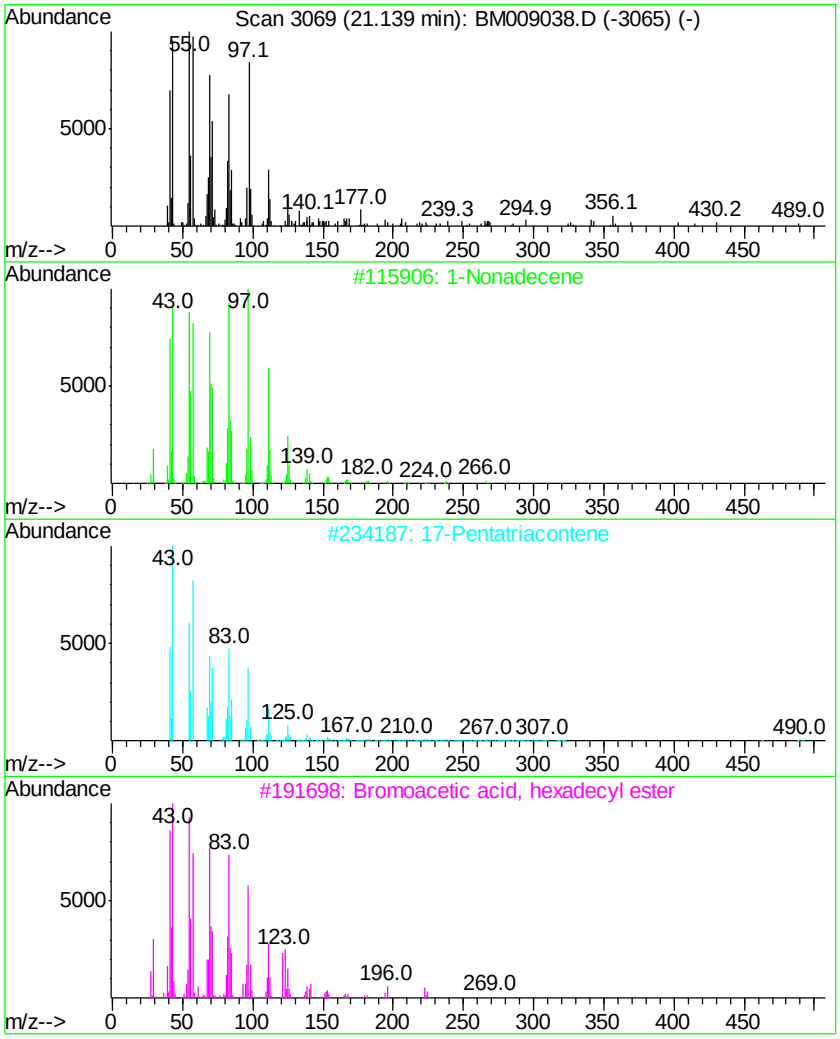
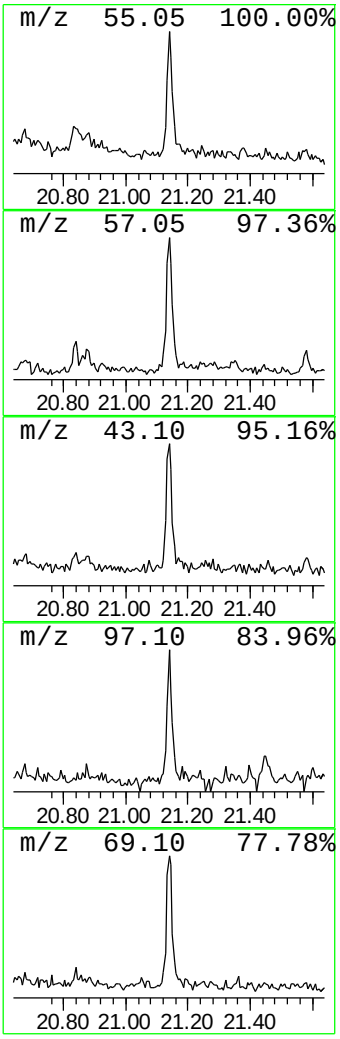
Peak Number 10 (DEL) Alkane: Cyclic21.14 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	2.02 ng/ul	336377	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	89
2	17-Pentatriacontene	491	C35H70	006971-40-0	83
3	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	68
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	68
5	1-Nonadecene	266	C19H38	018435-45-5	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

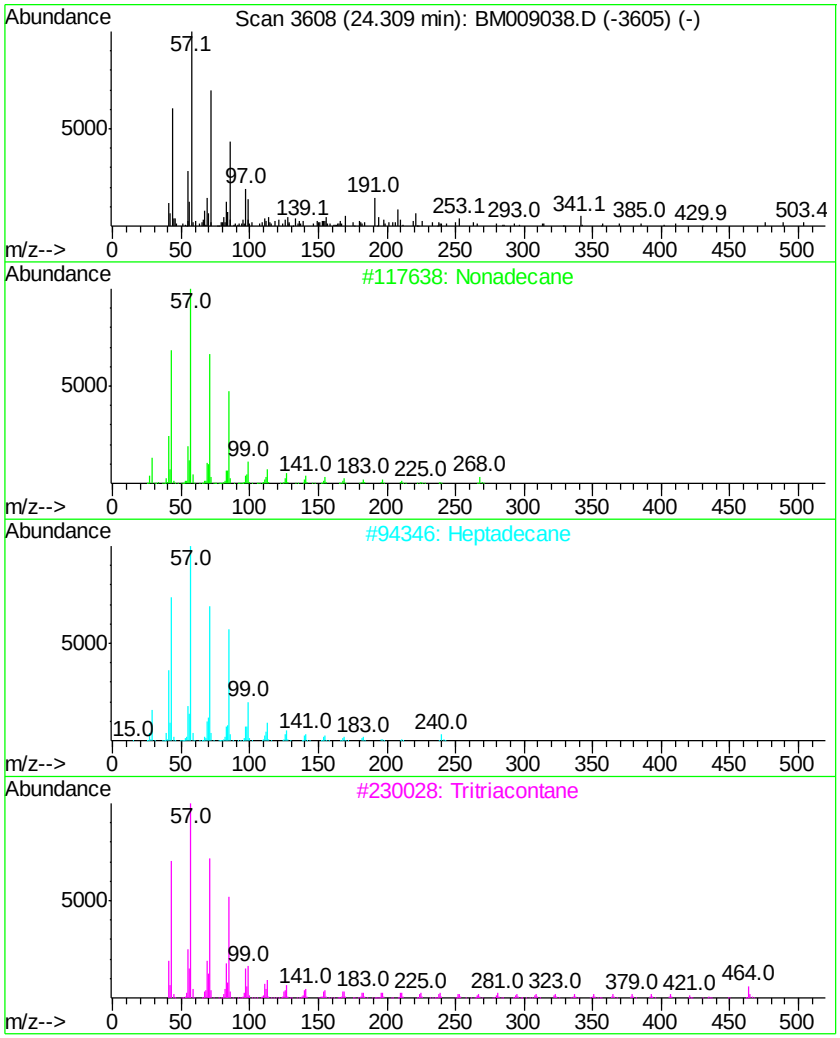
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

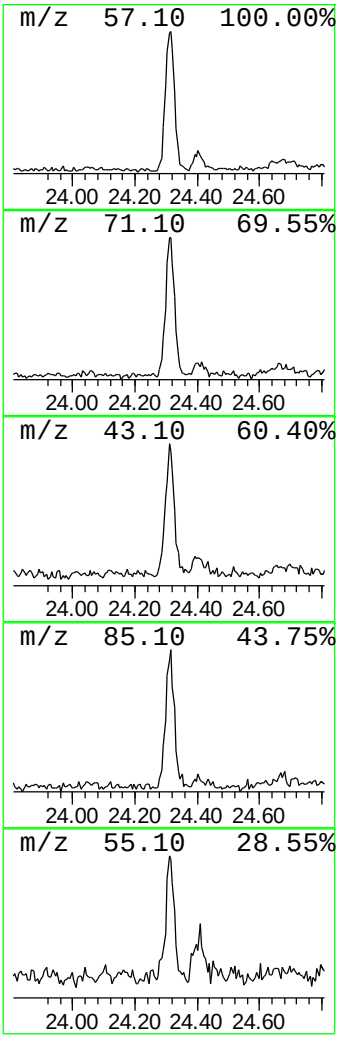
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.31	2.33 ng/ul	364538	Perylene-d12	23.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Heptadecane	240	C17H36	000629-78-7	93
3	Tritriacontane	465	C33H68	000630-05-7	72
4	Tritetracontane	605	C43H88	007098-21-7	64
5	Nonadecane	268	C19H40	000629-92-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022717\
Data File : BM009038.D
Acq On : 27 Feb 2017 20:33
Operator : SJ/MA
Sample : I1943-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DABS2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.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
Hexanal	4.45	2.2	ng/ul	129772	1	7.90	1177280	20.0
Heptanal	5.95	4.6	ng/ul	269201	1	7.90	1177280	20.0
Heptanoic acid	8.46	5.1	ng/ul	302504	1	7.90	1177280	20.0
(DEL) Alkane: Cyc...	11.57	18.6	ng/ul	1426100	2	10.70	1537160	20.0
unknown-01	12.91	2.9	ng/ul	293458	3	14.53	2022670	20.0
1-Hepten-3-one	15.00	2.2	ng/ul	221827	3	14.53	2022670	20.0
n-Hexadecanoic acid	18.15	2.7	ng/ul	327885	4	17.28	2425750	20.0
Ricinoleic acid	20.39	33.8	ng/ul	5641130	5	21.45	3335090	20.0
(DEL) Alkane: Cyc...	21.14	2.0	ng/ul	336377	5	21.45	3335090	20.0
(DEL) Alkane: Str...	24.31	2.3	ng/ul	364538	6	23.80	3134340	20.0