LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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	3.752	109	113	120	rVB	68367	94750	1.63%	0.178%
2	6.987	656	663	679	rBV	325285	653348	11.24%	1.230%
3	7.146	684	690	699	rVB	237215	395775	6.81%	0.745%
4	7.346	717	724	734	rBV	384264	646280	11.12%	1.217%
5	7.810	797	803	815	rBV	538523	911721	15.68%	1.716%
6	8.528	919	925	935	rBV	389770	720590	12.40%	1.356%
7	8.981	995	1002	1016	rBV	343410	614436	10.57%	1.157%
8	9.704	1118	1125	1135	rBV2	286611	537074	9.24%	1.011%
9	10.251	1211	1218	1231	rBV	440919	915211	15.74%	1.723%
10	10.616	1273	1280	1292	rVB	780444	1318376	22.68%	2.482%
11	10.769	1299	1306	1317	rBV	116099	274308	4.72%	0.516%
12	12.810	1647	1653	1660	rVB2	40096	65213	1.12%	0.123%
13	13.328	1733	1741	1746	rVB	84681	130272	2.24%	0.245%
14	13.722	1803	1808	1812	rBV3	57595	82478	1.42%	0.155%
15	13.775	1812	1817	1824	rVB4	50225	76316	1.31%	0.144%
16	13.869	1824	1833	1838	rBV	1015354	1534808	26.40%	2.889%
17	13.916	1838	1841	1848	rVB	438649	621095	10.68%	1.169%
18	14.157	1876	1882	1897	rBV	1150303	1806378	31.07%	3.400%
19	14.292	1899	1905	1910	rBV2	63996	94705	1.63%	0.178%
20	14.410	1919	1925	1930	rBV	881077	1187467	20.43%	2.235%
21	14.469	1930	1935	1941	rVV2	1274758	1951831	33.58%	3.674%
22	14.522	1941	1944	1958	rVB2	80693	161185	2.77%	0.303%
23	14.704	1968	1975	1983	rBV	321800	619855	10.66%	1.167%
24	14.775	1983	1987	1995	rVB2	58085	125481	2.16%	0.236%
25	15.463	2097	2104	2110	rBV	1508889	2227781	38.32%	4.193%
26	15.610	2125	2129	2138	rBV	101893	177443	3.05%	0.334%
27	15.698	2138	2144	2149	rVB4	34547	69029	1.19%	0.130%
28	15.922	2176	2182	2187	rVB7	32368	60988	1.05%	0.115%
29	16.022	2196	2199	2207	rVB7	35582	64517	1.11%	0.121%
30	16.157	2218	2222	2229	rBV4	36213	85466	1.47%	0.161%
31	16.945	2351	2356	2362	rBV7	49490	93064	1.60%	0.175%
32	17.098	2377	2382	2389	rBV	195867	307249	5.29%	0.578%
33	17.163	2389	2393	2396	rVV	119053	164109	2.82%	0.309%
34	17.216	2396	2402	2406	rVV2	1654859	2419036	41.61%	4.553%

LSC Area Percent Report

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Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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	17.257	2406	2409	2413	rVV	315477	444399	7.64%	0.837%
36	17.316	2413	2419	2432	rVB2	1583519	2455635	42.24%	4.622%
37	17.974	2527	2531	2536	rBV2	97482	135748	2.34%	0.256%
38	18.033	2536	2541	2547	rBV	465982	688845	11.85%	1.297%
39	18.092	2547	2551	2556	rBV	1370381	1786504	30.73%	3.363%
40	18.280	2579	2583	2587	rBV4	71978	138356	2.38%	0.260%
41	18.392	2597	2602	2607	rBV3	115947	198148	3.41%	0.373%
42	18.645	2641	2645	2649	rBV	121801	164988	2.84%	0.311%
43	18.951	2694	2697	2701	rVB2	74182	87758	1.51%	0.165%
44	19.010	2704	2707	2710	rBV3	69594	94861	1.63%	0.179%
45	19.274	2747	2752	2759	rVB	1761121	2419881	41.63%	4.555%
46	19.369	2764	2768	2777	rBV	605319	876464	15.08%	1.650%
47	19.510	2789	2792	2802	rVB2	536455	645594	11.11%	1.215%
48	19.610	2803	2809	2812	rBV	1968781	3127098	53.79%	5.886%
49	19.639	2812	2814	2821	rVB	1318338	1457531	25.07%	2.744%
50	20.127	2895	2897	2901	rVB2	251952	284726	4.90%	0.536%
51	20.557	2966	2970	2975	rBV	823599	913212	15.71%	1.719%
52	20.939	3030	3035	3041	rBV	5012841	5813213	100.00%	10.942%
53	21.080	3056	3059	3063	rVB2	594610	698389	12.01%	1.315%
54	21.286	3090	3094	3099	rBV	1929272	2113438	36.36%	3.978%
55	21.392	3107	3112	3116	rBV2	1934211	3391934	58.35%	6.385%
56	21.433	3116	3119	3125	rVB	1029363	1312308	22.57%	2.470%
57	23.009	3383	3387	3392	rBV	1325706	2668682	45.91%	5.023%

Sum of corrected areas: 53125347

LSC Report - Integrated Chromatogram

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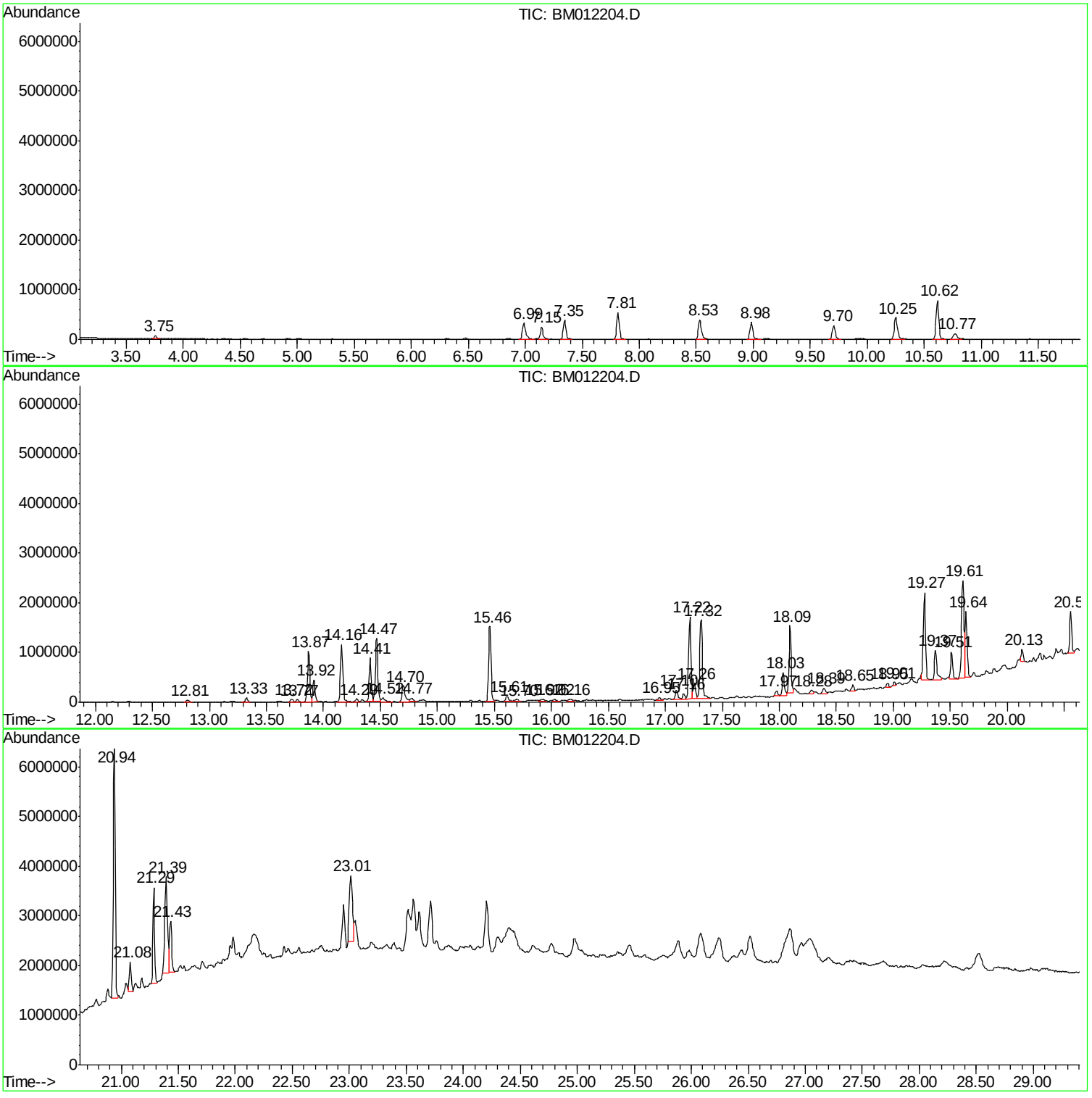
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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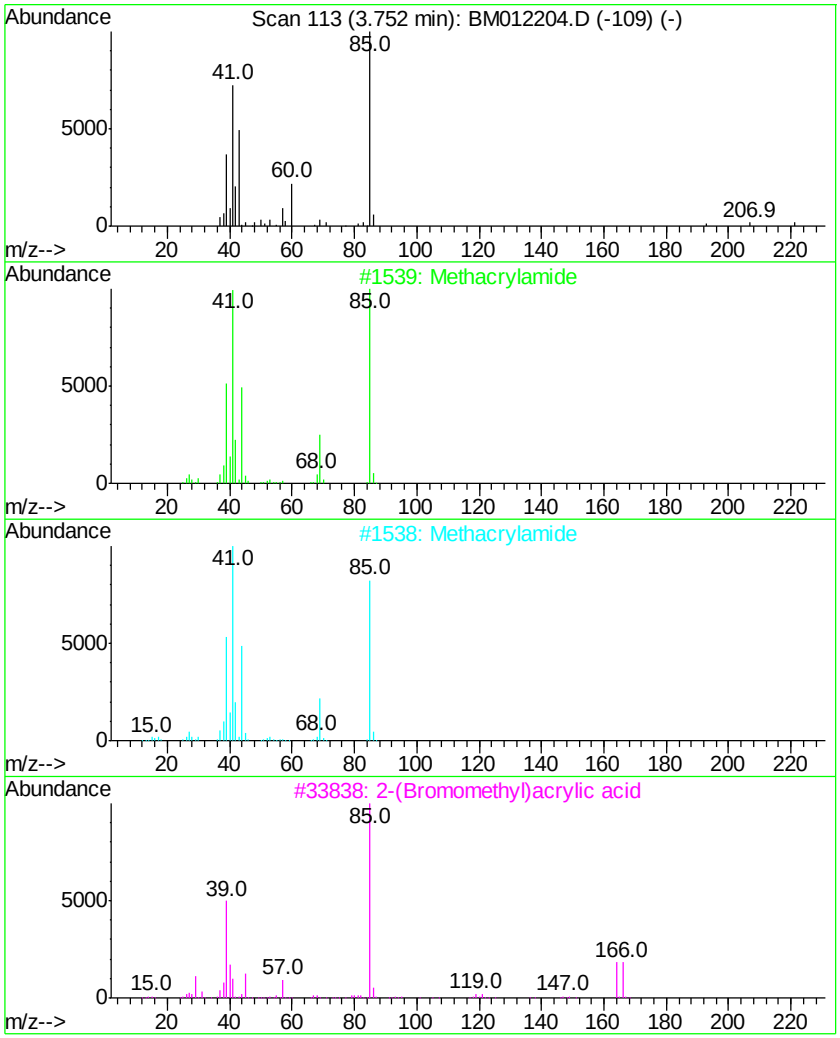
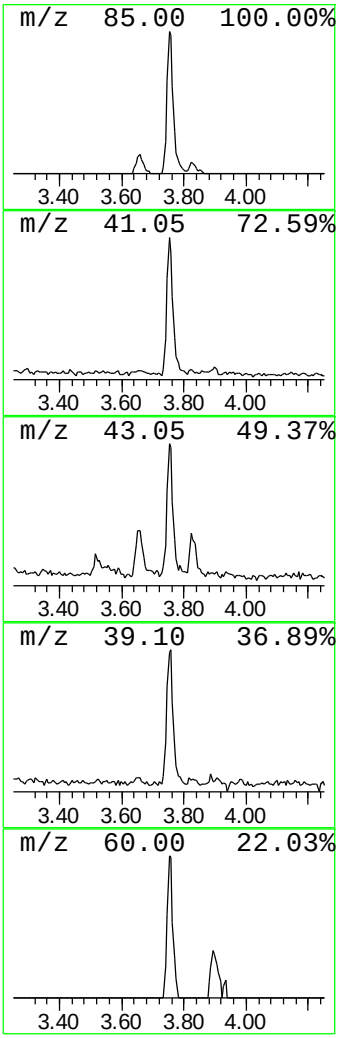
Peak Number 1 Methacrylamide Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	2.08 ng/ul	94750	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	50
2	Methacrylamide	85	C4H7NO	000079-39-0	47
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
5	Methacrylamide	85	C4H7NO	000079-39-0	12





Library Search Compound Report

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Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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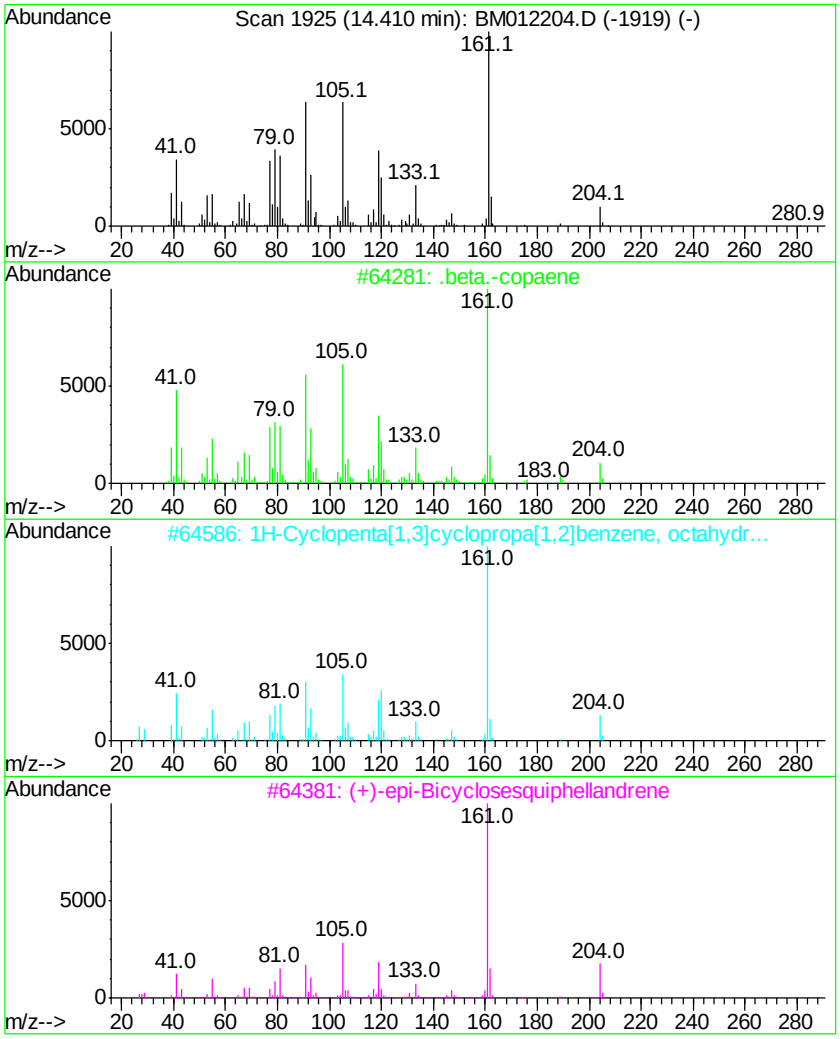
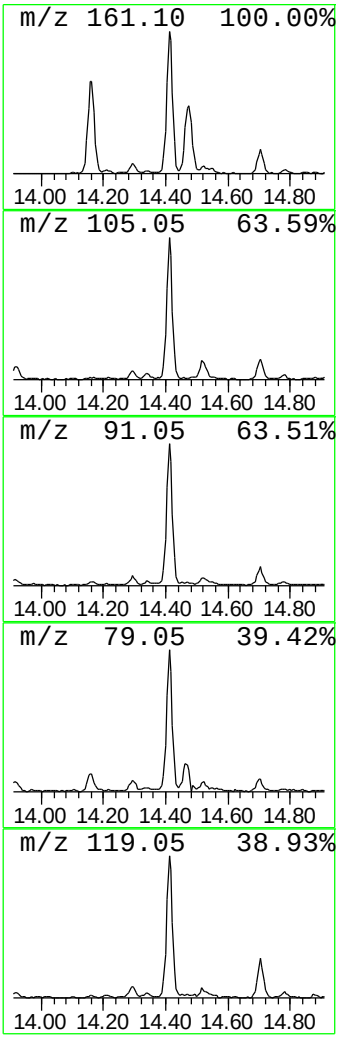
Peak Number 2 .beta.-copaene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	12.17 ng/ul	1187470	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-copaene	204	C15H24	1000374-18-9	95
2	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	94
3	(+)-epi-Bicyclosesquiphellandrene	204	C15H24	054274-73-6	93
4	1,6-Cyclodecadiene, 1-methyl-5-m...	204	C15H24	023986-74-5	93
5	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	89





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ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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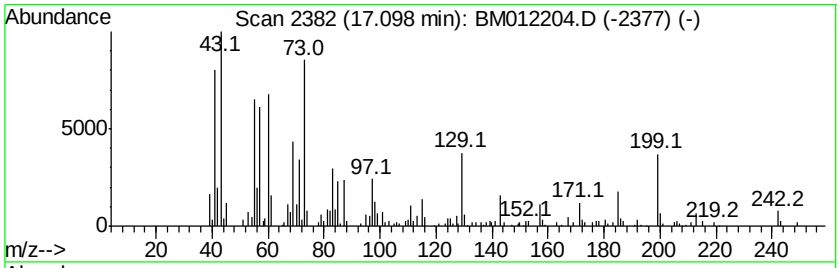
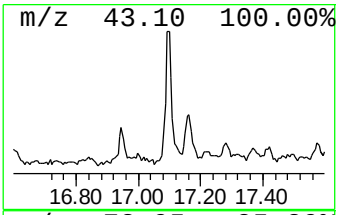
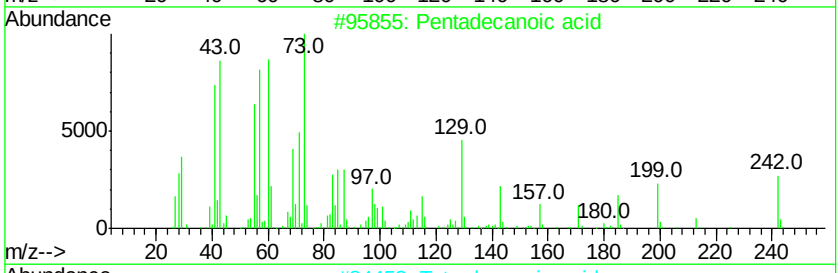
Peak Number 3 Pentadecanoic acid Concentration Rank 9

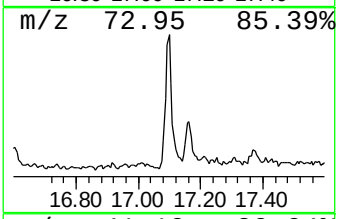
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	2.54 ng/ul	307249	Phenanthrene-d10	17.22

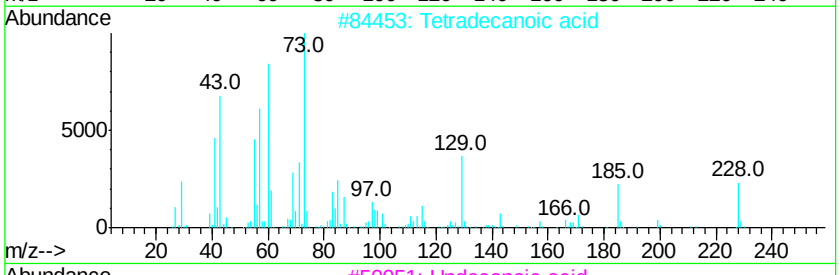
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Undecanoic acid	186	C11H22O2	000112-37-8	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	55

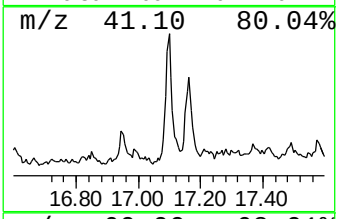


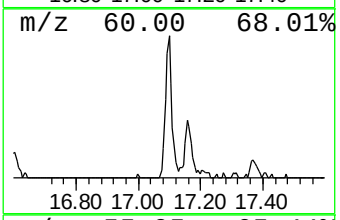


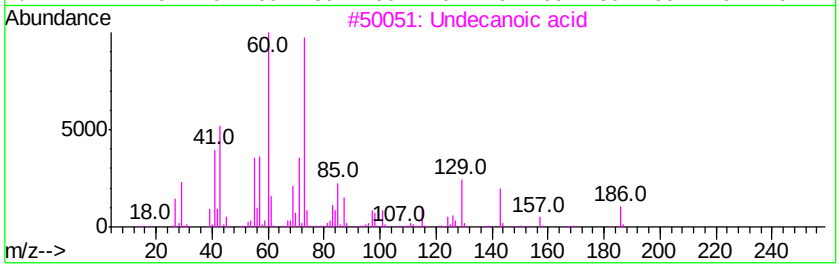


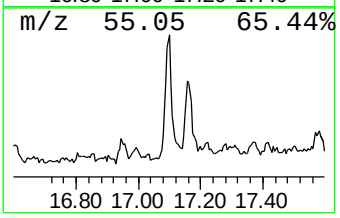












Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0AC9

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

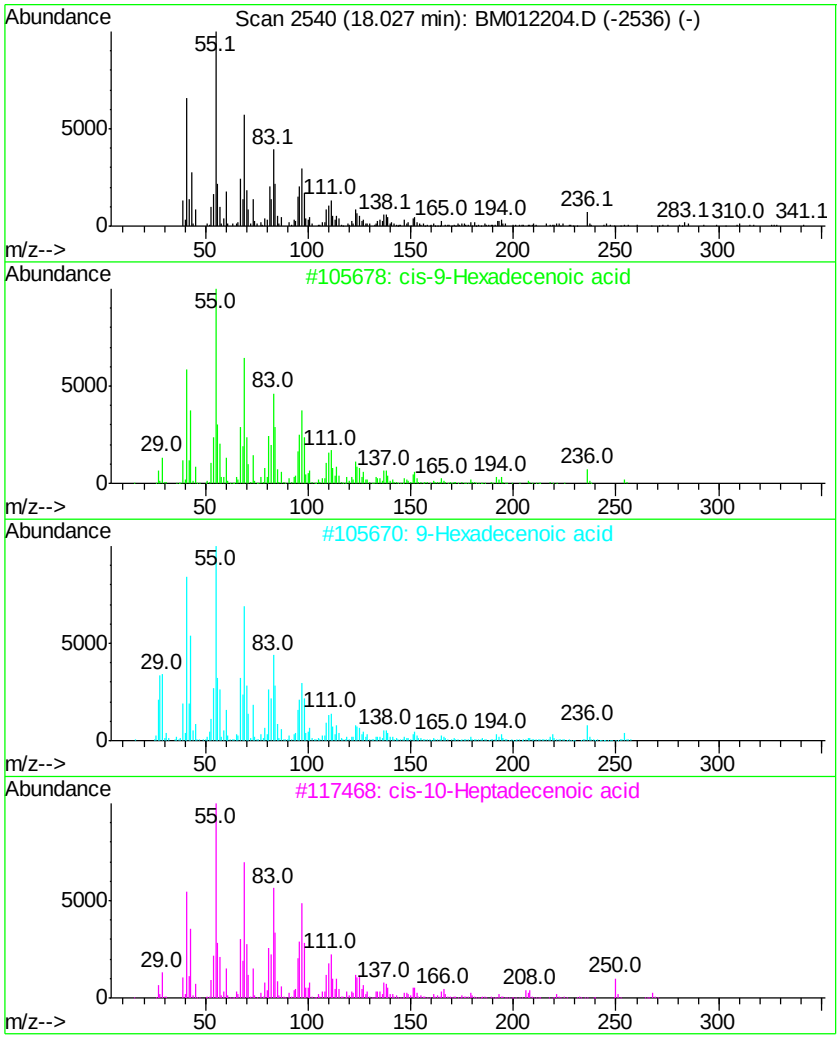
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

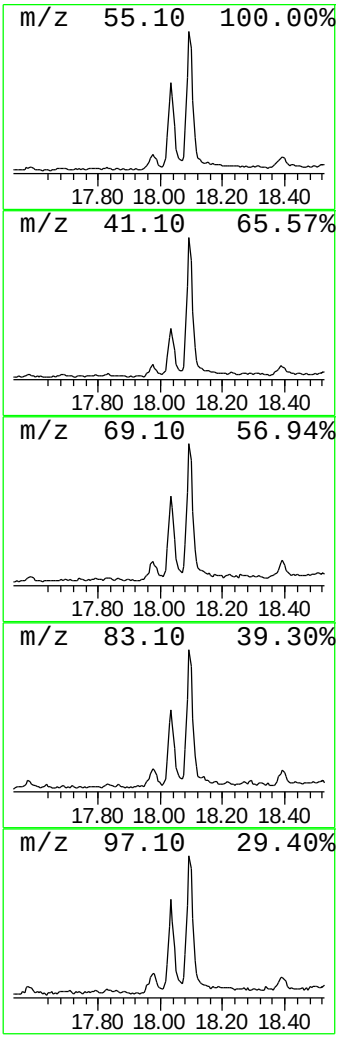
****

Peak Number 4 cis-9-Hexadecenoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	5.70 ng/ul	688845	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	94
2	9-Hexadecenoic acid	254	C16H30O2	002091-29-4	91
3	cis-10-Heptadecenoic acid	268	C17H32O2	029743-97-3	91
4	cis-Vaccenic acid	282	C18H34O2	000506-17-2	91
5	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	91





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Quant Title : SVOA CALIBRATION

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

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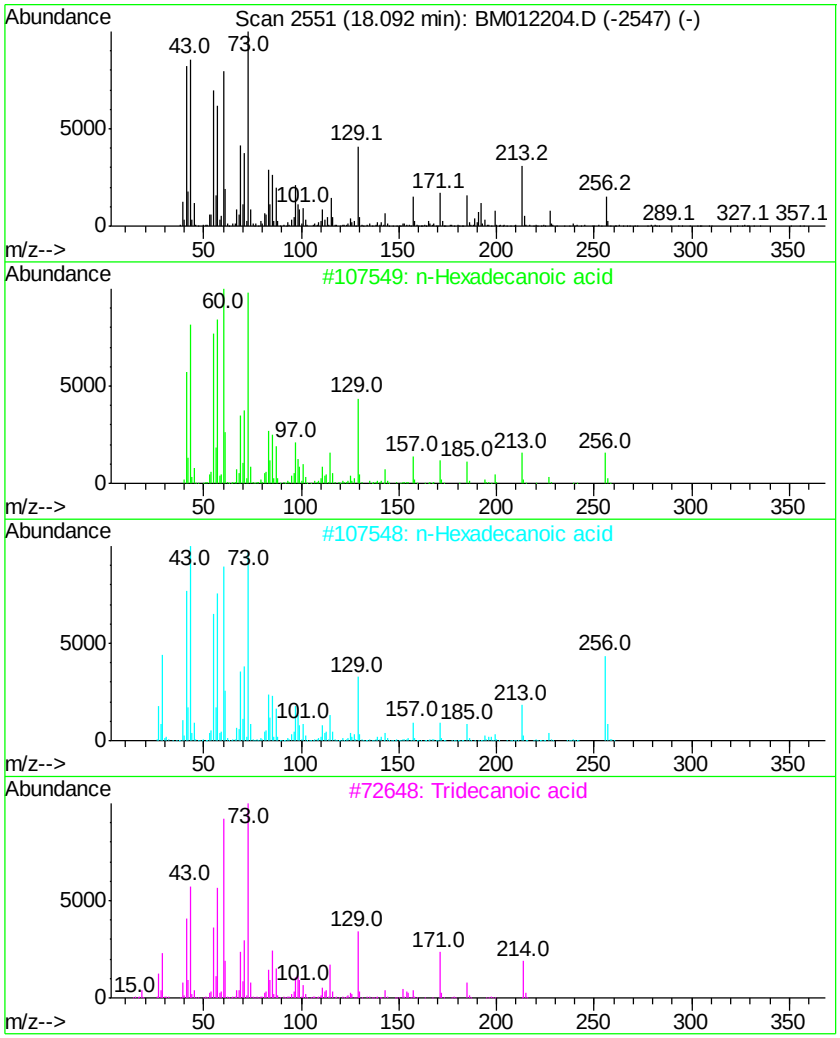
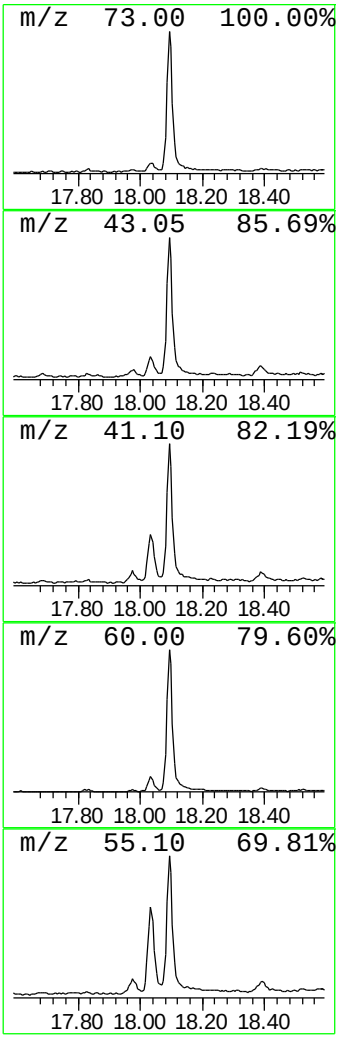
Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	14.77 ng/ul	1786500	Phenanthrene-d10	17.22

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	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Misc :
ALS Vial : 36 Sample Multiplier: 1

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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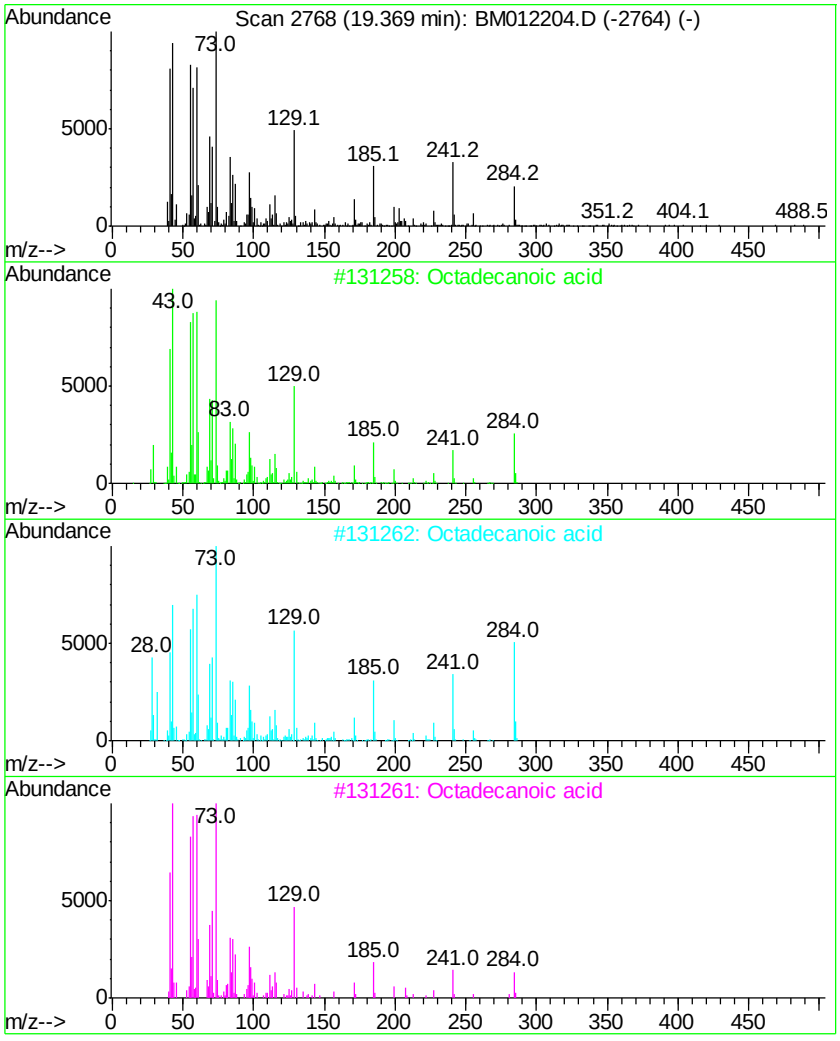
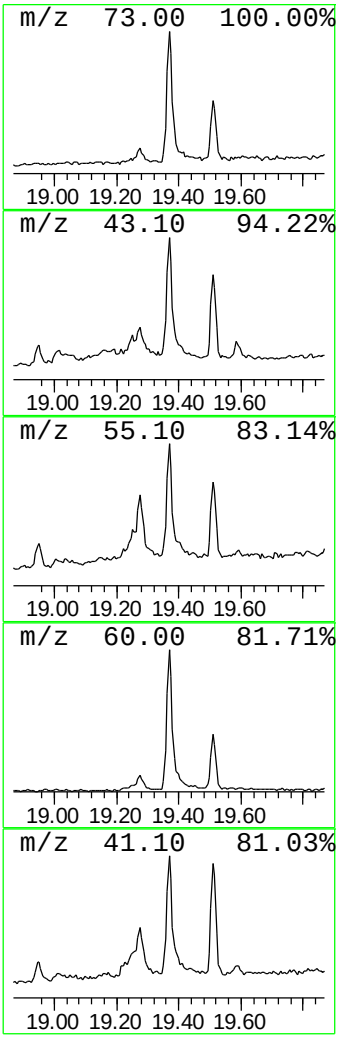
Peak Number 6 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	5.17 ng/ul	876464	Chrysene-d12	21.39

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	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	96
4	Octadecanoic acid	284	C18H36O2	000057-11-4	94
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	93





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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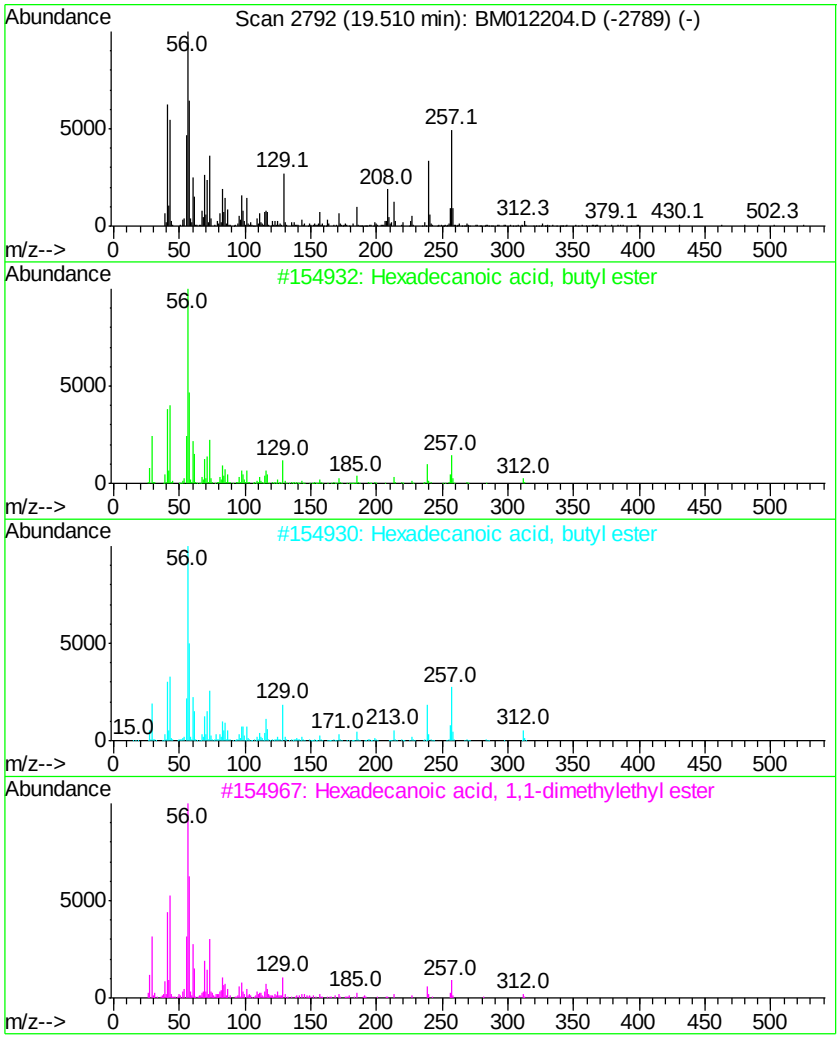
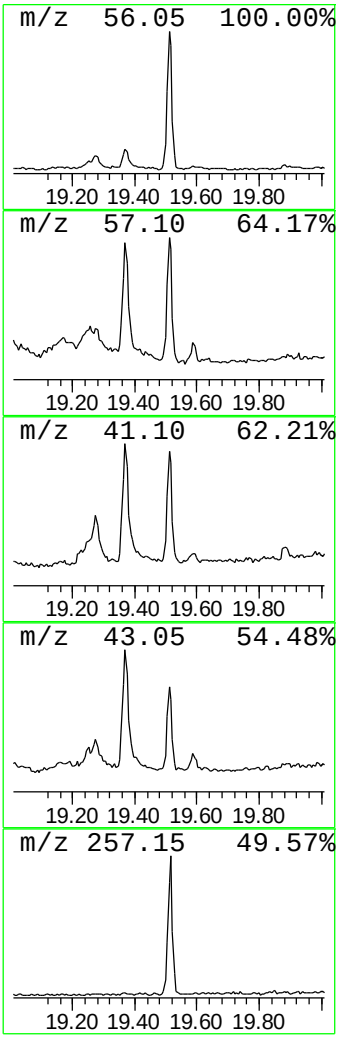
Peak Number 7 Hexadecanoic acid, butyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.51	3.81 ng/ul	645594	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	92
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	90
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	60
4	Nipecotic acid	129	C6H11NO2	000498-95-3	43
5	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	38





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Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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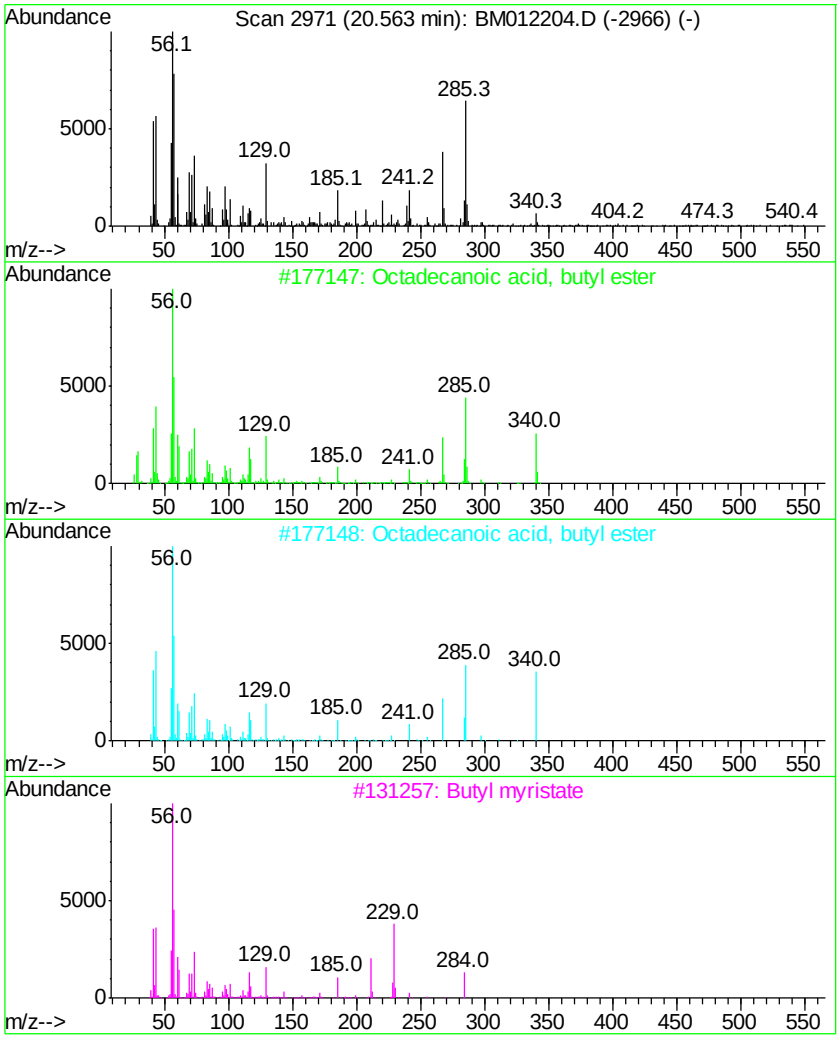
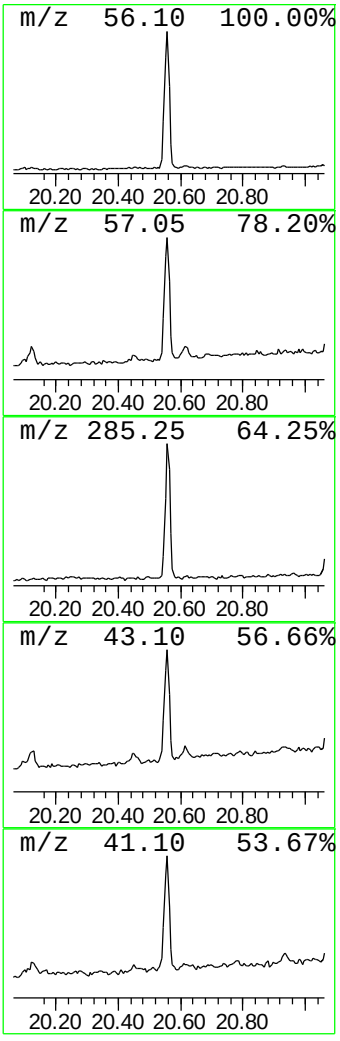
Peak Number 8 Octadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	5.38 ng/ul	913212	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	83
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	72
3	Butyl myristate	284	C18H36O2	000110-36-1	38
4	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	30
5	Docosanoic acid	340	C22H44O2	000112-85-6	25





Library Search Compound Report

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Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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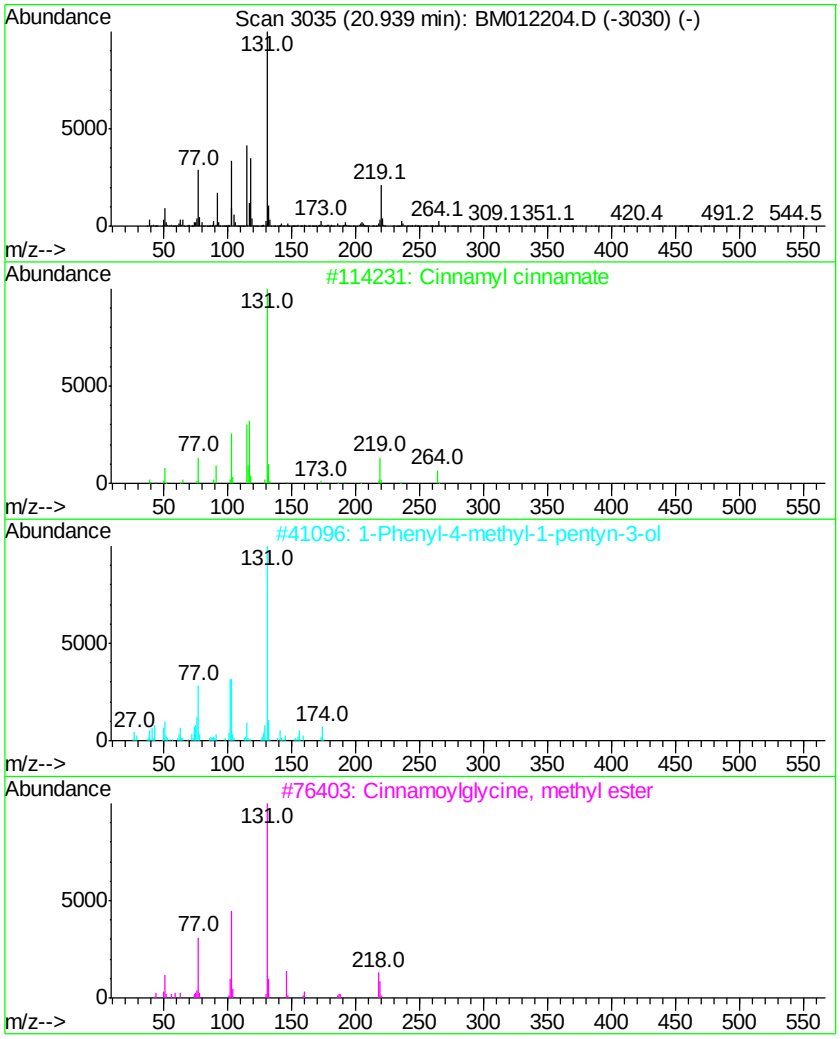
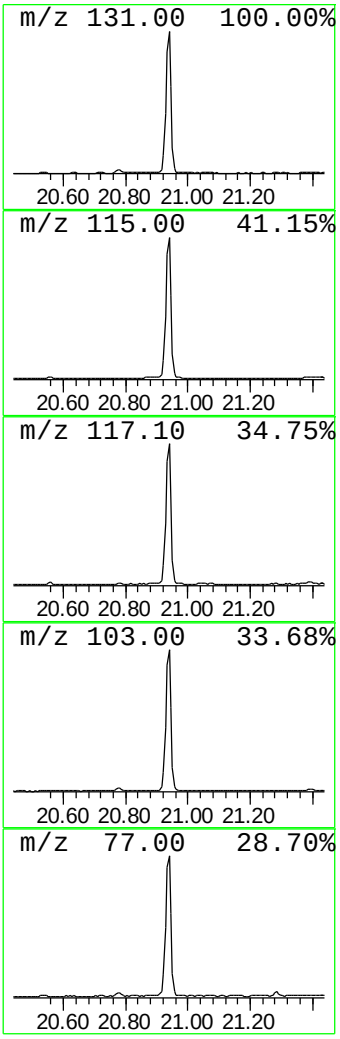
Peak Number 9 Cinnamyl cinnamate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	34.28 ng/ul	5813210	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	64
2	1-Phenyl-4-methyl-1-pentyn-3-ol	174	C12H14O	005923-02-4	47
3	Cinnamoylglycine, methyl ester	219	C12H13NO3	040778-04-9	47
4	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	43
5	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	43





Library Search Compound Report

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Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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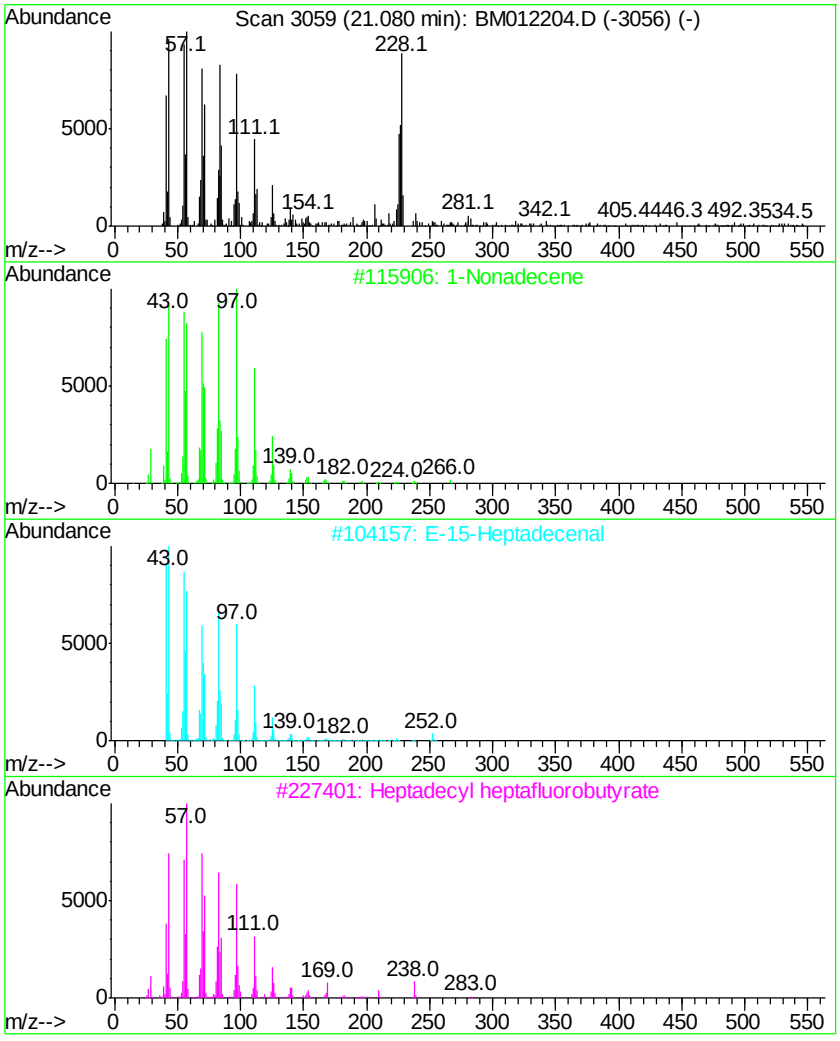
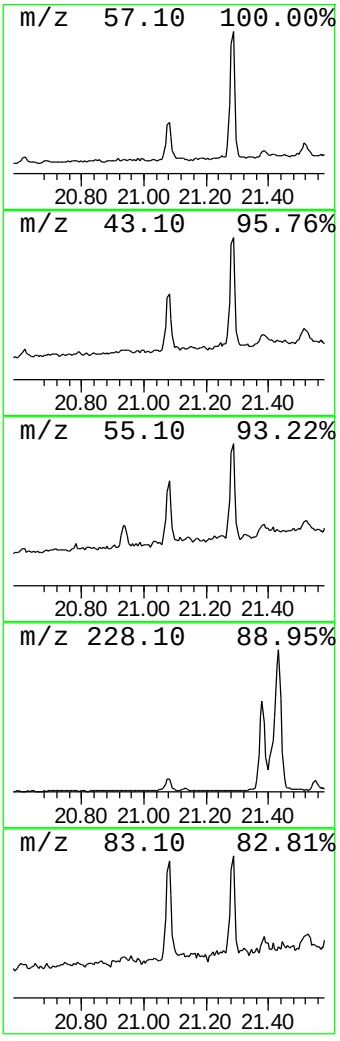
Peak Number 10 (DEL) Alkane: Cyclic21.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	4.12 ng/ul	698389	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	95
2	E-15-Heptadecenal	252	C17H32O	1000130-97-9	83
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	83
4	9-Nonadecene	266	C19H38	031035-07-1	80
5	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	64





Tentatively Identified Compound (LSC) summary

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Data File : BM012204.D
Acq On : 15 Oct 2017 12:11
Operator : SJ/JU
Sample : I5548-13
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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
Methacrylamide	3.75	2.1	ng/ul	94750	1	7.81	911721	20.0
.beta.-copaene	14.41	12.2	ng/ul	1187470	3	14.46	1951830	20.0
Pentadecanoic acid	17.10	2.5	ng/ul	307249	4	17.22	2419040	20.0
cis-9-Hexadecenoi...	18.03	5.7	ng/ul	688845	4	17.22	2419040	20.0
n-Hexadecanoic acid	18.09	14.8	ng/ul	1786500	4	17.22	2419040	20.0
Octadecanoic acid	19.37	5.2	ng/ul	876464	5	21.39	3391930	20.0
Hexadecanoic acid...	19.51	3.8	ng/ul	645594	5	21.39	3391930	20.0
Octadecanoic acid...	20.56	5.4	ng/ul	913212	5	21.39	3391930	20.0
Cinnamyl cinnamate	20.94	34.3	ng/ul	5813210	5	21.39	3391930	20.0
(DEL) Alkane: Cyc...	21.08	4.1	ng/ul	698389	5	21.39	3391930	20.0