LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100418\
Data File : BN002906.D
Acq On : 03 Oct 2018 18:30
Operator : MJ/SJ
Sample : J5116-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.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	3.199	32	36	46	rVB	27309	42298	1.21%	0.078%
2	4.793	301	307	320	rBV	152942	272291	7.77%	0.502%
3	5.646	447	452	461	rVB	124717	195504	5.58%	0.361%
4	6.134	528	535	543	rBV	125950	193641	5.52%	0.357%
5	6.322	561	567	573	rVB	41095	63112	1.80%	0.116%
6	6.811	642	650	665	rBV	507299	934046	26.64%	1.722%
7	6.934	665	671	673	rVV	103783	152784	4.36%	0.282%
8	6.969	673	677	686	rVV	440624	673803	19.22%	1.243%
9	7.058	686	692	704	rVB	685517	1043107	29.75%	1.924%
10	7.164	704	710	716	rBV	572006	901594	25.71%	1.663%
11	7.228	716	721	727	rVB	157503	242074	6.90%	0.446%
12	7.522	762	771	781	rVB2	47346	81896	2.34%	0.151%
13	7.622	781	788	796	rBV	506460	824950	23.53%	1.521%
14	7.699	796	801	806	rVB2	24613	42657	1.22%	0.079%
15	8.334	903	909	921	rBV	619224	1075546	30.67%	1.983%
16	8.440	921	927	936	rVB	293468	473263	13.50%	0.873%
17	8.716	968	974	978	rBV	47568	74165	2.12%	0.137%
18	8.775	978	984	1003	rVB	523364	891425	25.42%	1.644%
19	9.487	1099	1105	1121	rVB	431377	754864	21.53%	1.392%
20	10.028	1191	1197	1215	rBV	629558	1192414	34.01%	2.199%
21	10.393	1252	1259	1265	rBV	785599	1301485	37.12%	2.400%
22	10.440	1265	1267	1274	rVB	26251	39627	1.13%	0.073%
23	10.540	1277	1284	1304	rBV	414313	826224	23.56%	1.524%
24	12.222	1565	1570	1578	rBV3	16598	38088	1.09%	0.070%
25	13.675	1811	1817	1821	rVV	1196925	1696591	48.38%	3.129%
26	13.722	1821	1825	1835	rVB	651568	905058	25.81%	1.669%
27	13.951	1855	1864	1877	rBV	1531575	2272133	64.80%	4.190%
28	14.263	1910	1917	1924	rBV2	1127033	1748539	49.86%	3.225%
29	14.328	1924	1928	1931	rVV	76141	111748	3.19%	0.206%
30	14.363	1931	1934	1942	rVB4	37667	48081	1.37%	0.089%
31	14.498	1951	1957	1979	rBV	301698	699546	19.95%	1.290%
32	14.669	1981	1986	1990	rBV	30666	51772	1.48%	0.095%
33	15.069	2049	2054	2062	rBV	234257	327506	9.34%	0.604%
34	15.263	2080	2087	2093	rBV	1888463	2761113	78.74%	5.092%

LSC Area Percent Report

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Operator : MJ/SJ
Sample : J5116-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Title : SVOA CALIBRATION

35	15.316	2093	2096	2103	rVB	56295	78467	2.24%	0.145%
36	15.404	2105	2111	2121	rBV	525245	865988	24.70%	1.597%
37	15.845	2179	2186	2192	rBV4	19600	39159	1.12%	0.072%
38	16.163	2237	2240	2246	rVV3	22987	43403	1.24%	0.080%
39	16.434	2281	2286	2292	rBV5	22674	38732	1.10%	0.071%
40	16.675	2324	2327	2334	rBV2	23230	38699	1.10%	0.071%
41	16.745	2334	2339	2342	rBV	49376	72850	2.08%	0.134%
42	16.781	2342	2345	2350	rVB3	87910	105835	3.02%	0.195%
43	16.834	2350	2354	2359	rVB2	38040	51423	1.47%	0.095%
44	16.928	2366	2370	2377	rVB	58129	82496	2.35%	0.152%
45	17.016	2377	2385	2389	rBV2	1410133	2199814	62.73%	4.057%
46	17.057	2389	2392	2396	rVB	592945	747862	21.33%	1.379%
47	17.110	2396	2401	2406	rBV	1960401	2909350	82.97%	5.365%
48	17.428	2448	2455	2463	rBV	105442	194428	5.54%	0.359%
49	17.522	2467	2471	2475	rBV2	21164	37701	1.08%	0.070%
50	17.804	2513	2519	2524	rBV4	52055	107455	3.06%	0.198%
51	17.863	2525	2529	2532	rVV2	61548	99818	2.85%	0.184%
52	17.922	2535	2539	2546	rVV2	547845	845145	24.10%	1.559%
53	17.986	2546	2550	2554	rVB	190273	240374	6.85%	0.443%
54	18.086	2560	2567	2572	rBV3	124181	270134	7.70%	0.498%
55	18.216	2585	2589	2594	rBV3	42276	75325	2.15%	0.139%
56	18.292	2597	2602	2606	rVV2	49940	91540	2.61%	0.169%
57	18.445	2625	2628	2634	rBV3	35692	63223	1.80%	0.117%
58	18.857	2695	2698	2701	rBV2	37980	53785	1.53%	0.099%
59	19.081	2731	2736	2745	rVB	1180477	1622955	46.28%	2.993%
60	19.216	2755	2759	2766	rVB3	173129	346243	9.87%	0.639%
61	19.416	2788	2793	2796	rBV	2423111	3506578	100.00%	6.467%
62	19.445	2796	2798	2803	rVB	1010754	1115209	31.80%	2.057%
63	20.357	2950	2953	2957	rVB	207179	222378	6.34%	0.410%
64	20.939	3049	3052	3060	rBV2	443845	679975	19.39%	1.254%
65	21.139	3082	3086	3090	rBV	611739	672899	19.19%	1.241%
66	21.222	3094	3100	3103	rVV3	1887957	3129839	89.26%	5.772%
67	21.257	3103	3106	3110	rVB	815035	1005169	28.67%	1.854%
68	21.810	3197	3200	3203	rBV	368657	418535	11.94%	0.772%
69	22.763	3357	3362	3368	rBV3	1204574	2509772	71.57%	4.628%
70	22.816	3368	3371	3386	rVB2	669323	1427523	40.71%	2.633%
71	23.239	3440	3443	3447	rBV	279327	396301	11.30%	0.731%

LSC Area Percent Report

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Sample : J5116-01
Misc :
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Instrument : BNA_N
ClientSampleId : JLC52

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Title : SVOA CALIBRATION

72	23.292	3447	3452	3457	rBV	1206828	2192412	62.52%	4.043%
73	23.427	3470	3475	3481	rVB	810713	1408267	40.16%	2.597%
74	23.933	3556	3561	3572	rVB	646968	1266366	36.11%	2.335%

Sum of corrected areas: 54226372

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Instrument : BNA_N
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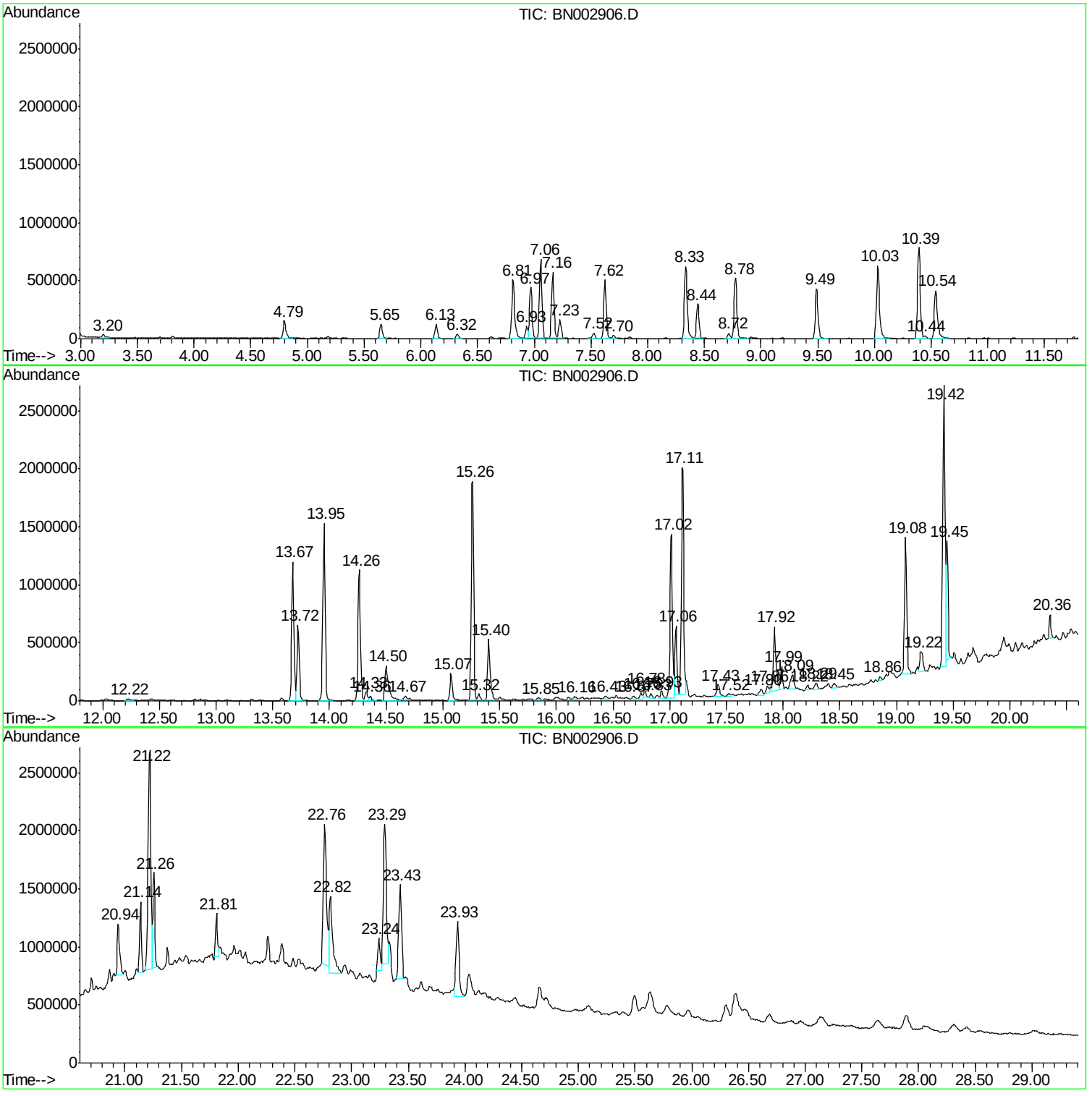
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

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



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Data File : BN002906.D
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Instrument : BNA_N
ClientSampleId : JLC52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

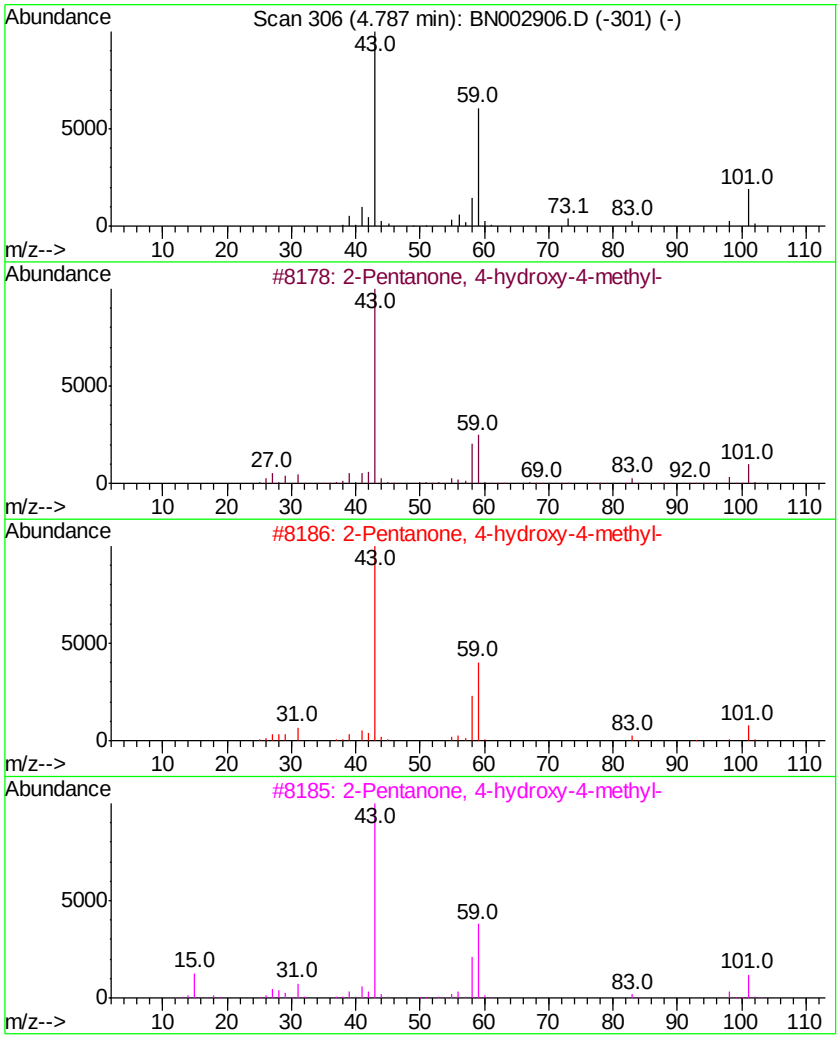
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

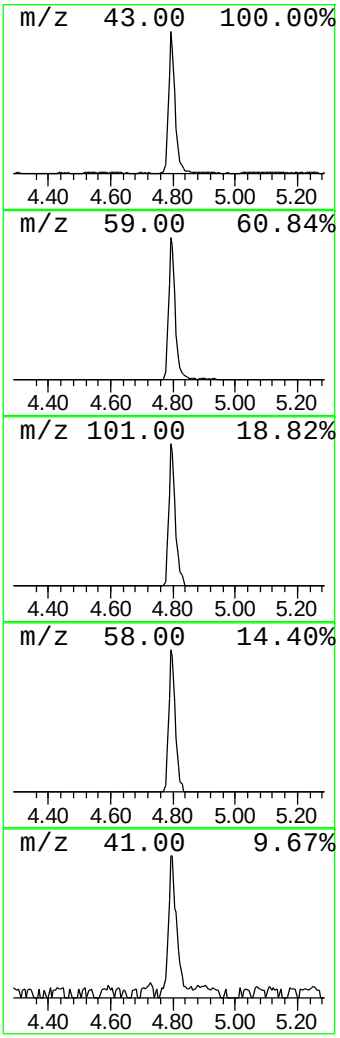
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	6.60 ng/ul	272291	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100418\
Data File : BN002906.D
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Operator : MJ/SJ
Sample : J5116-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

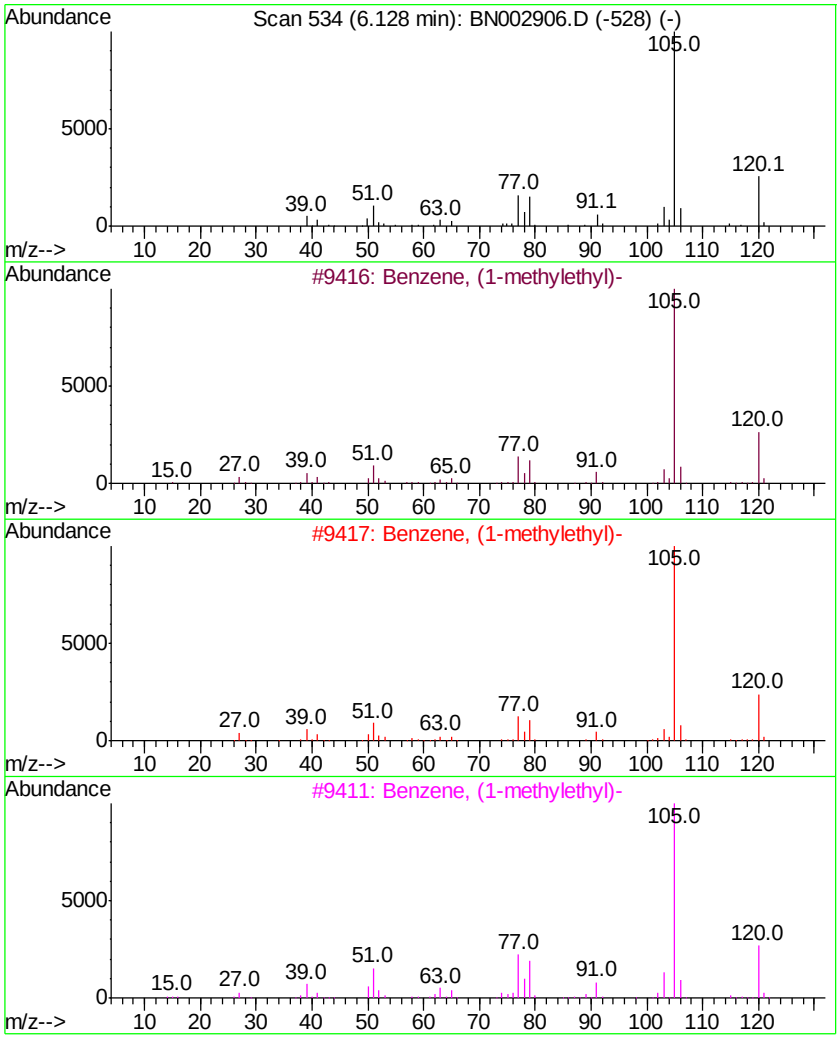
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

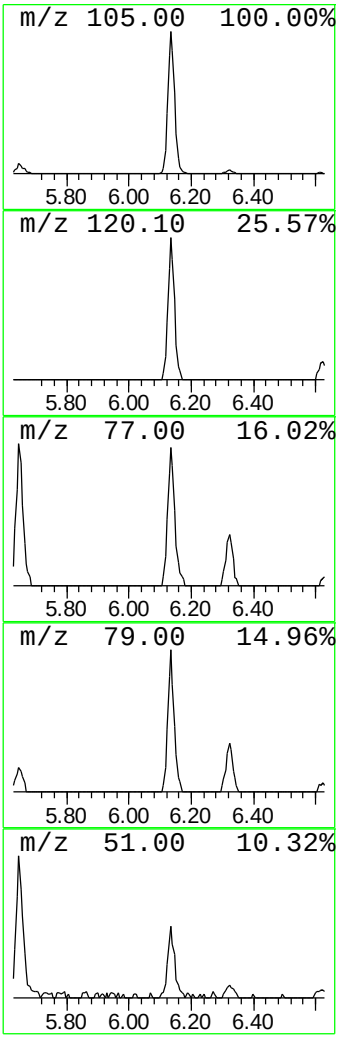
****

Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	4.69 ng/ul	193641	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

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Data File : BN002906.D
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Operator : MJ/SJ
Sample : J5116-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

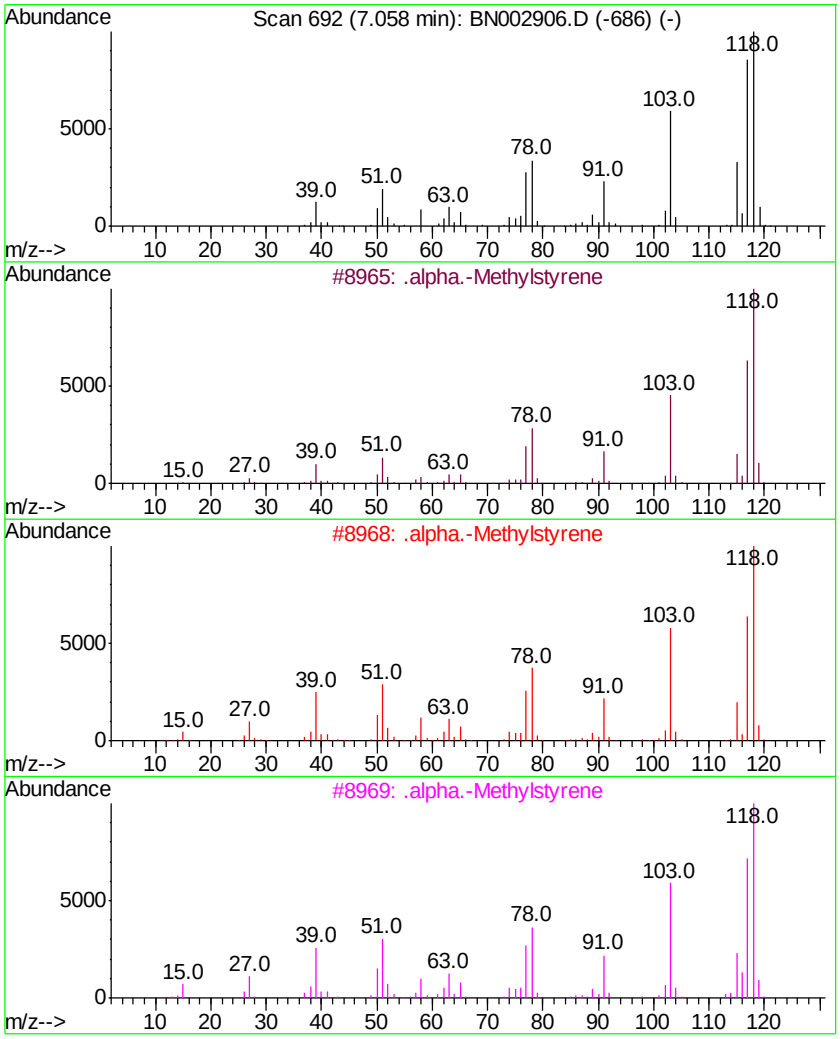
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

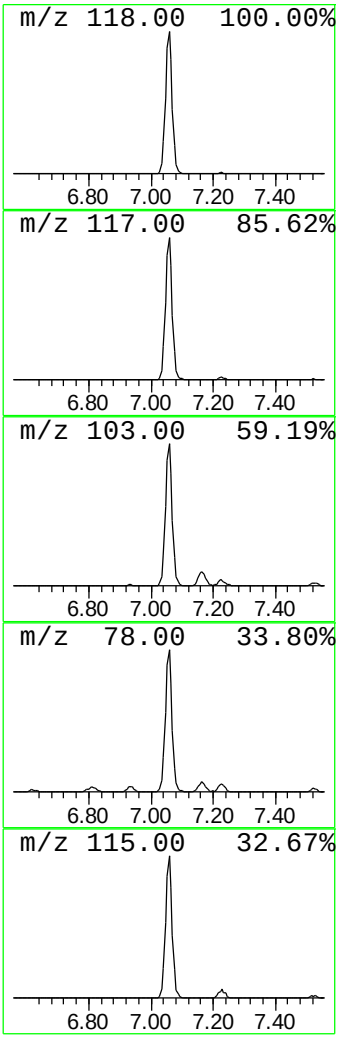
****

Peak Number 4 .alpha.-Methylstyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	25.29 ng/ul	1043110	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	97
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	94
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	53
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	52





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

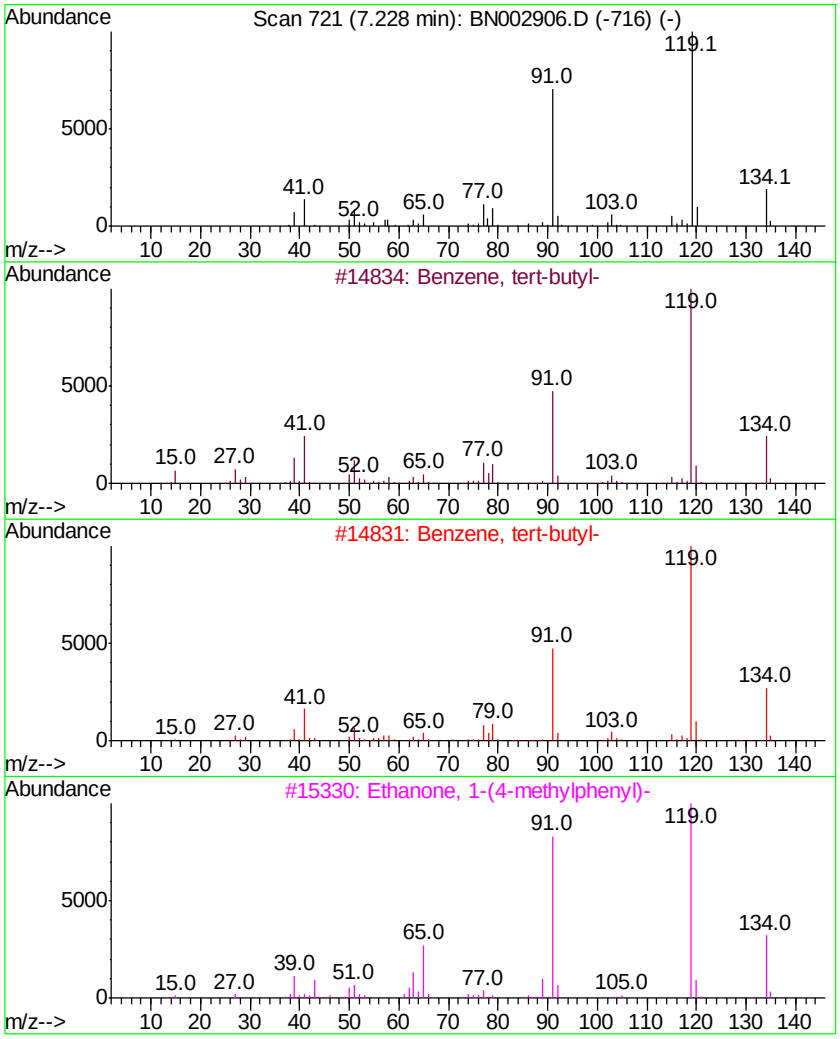
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

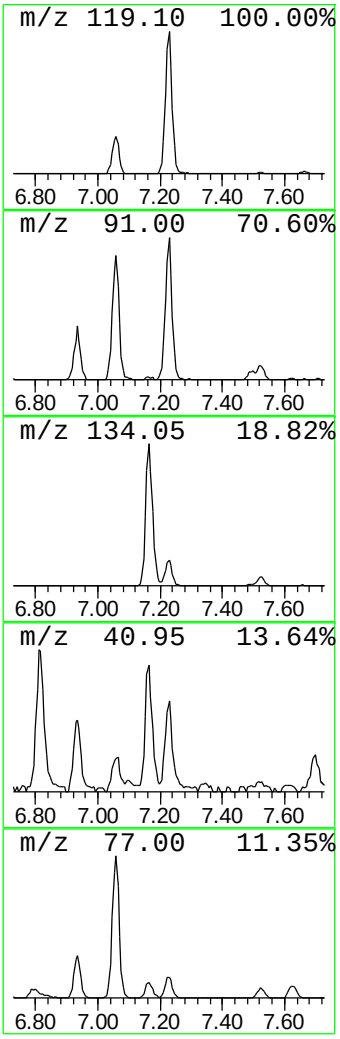
****

Peak Number 5 Benzene, tert-butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	5.87 ng/ul	242074	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	94
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
3	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	81
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	80
5	o-Cymene	134	C10H14	000527-84-4	80





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Instrument : BNA_N
ClientSampleId : JLC52

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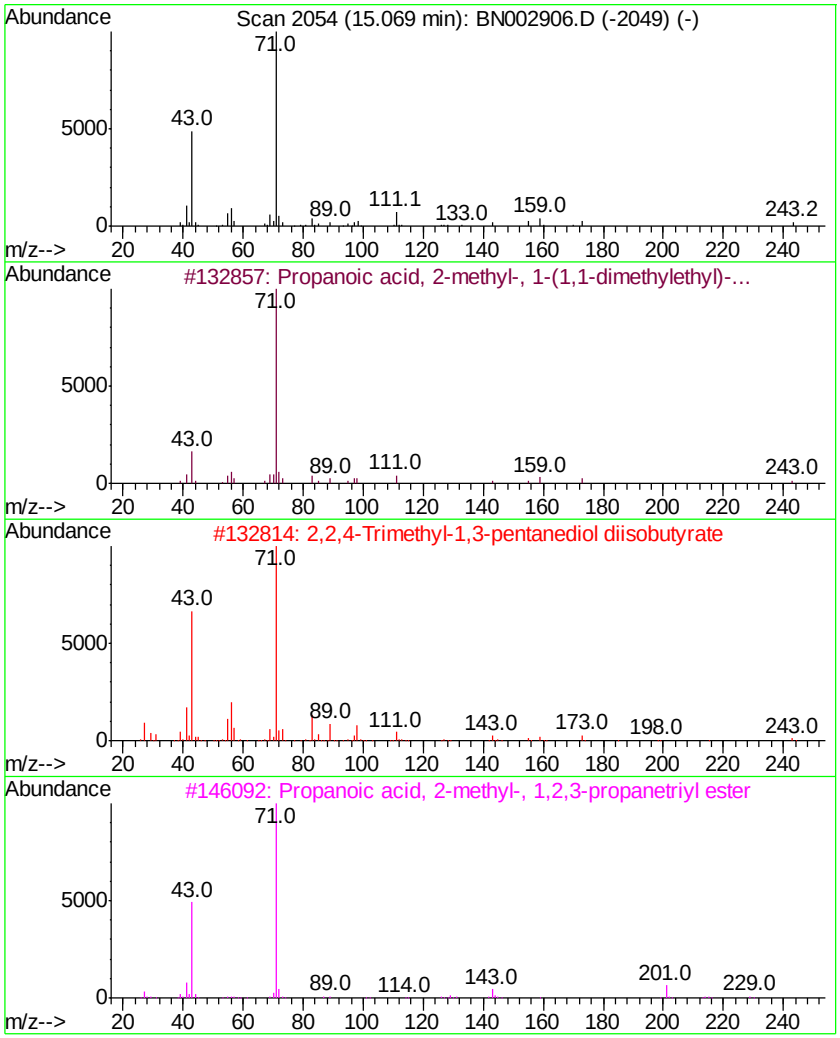
Quant Title : SVOA CALIBRATION

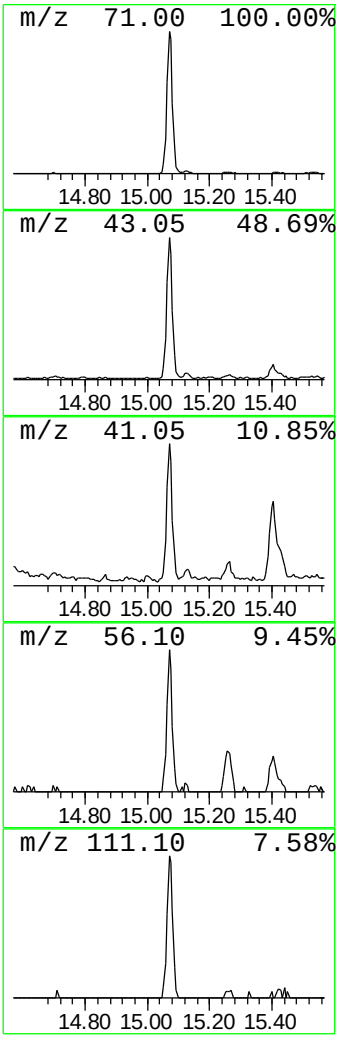
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.75 ng/ul	327506	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	74
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	64
3	Propanoic acid, 2-methyl-, 1,2,3...	302	C15H26O6	014295-64-8	59
4	2-Furanmethanol, tetrahydro-, ac...	144	C7H12O3	000637-64-9	45
5	2,2'-Bifuran, octahydro-	142	C8H14O2	001592-33-2	45





Library Search Compound Report

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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

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

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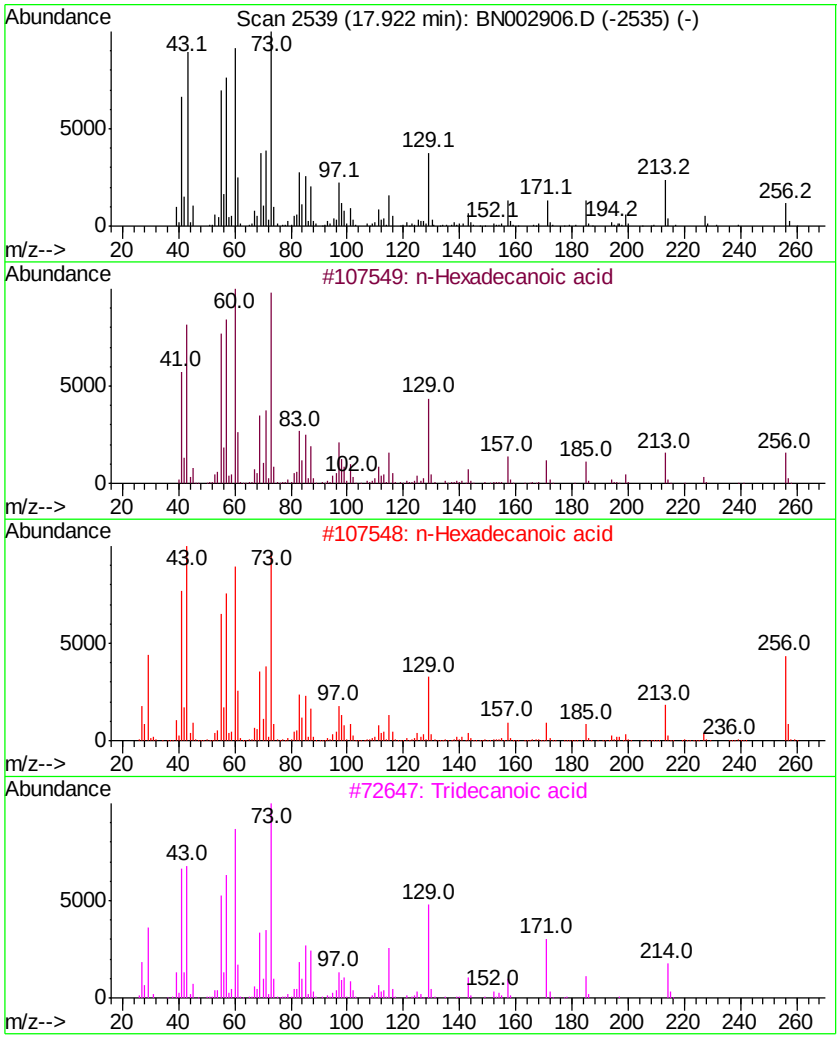
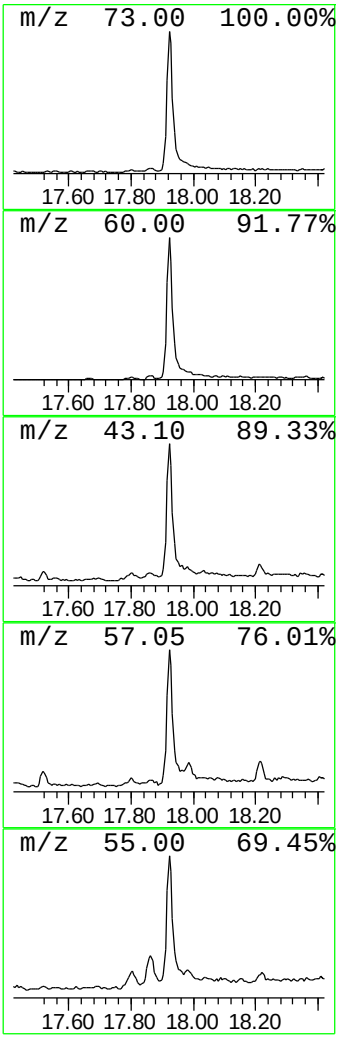
Peak Number 7 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	7.68 ng/ul	845145	Phenanthrene-d10	17.02

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	95
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	89





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Quant Title : SVOA CALIBRATION

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

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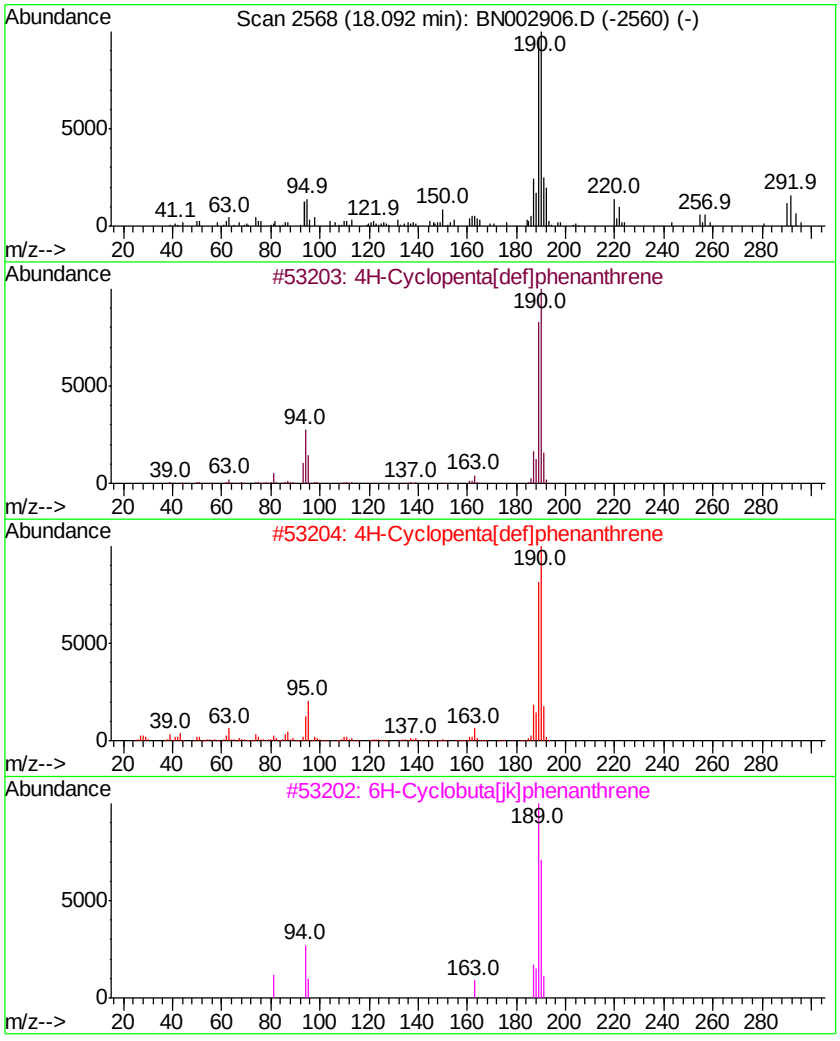
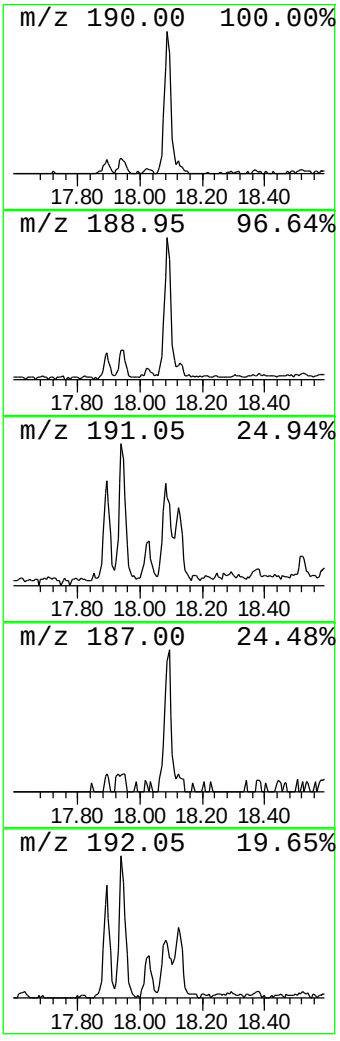
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.46 ng/ul	270134	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4-(4-Methyl-piperidin-1-yl)-phen...	190	C12H18N2	342013-25-6	47
5	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	38





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Acq On : 03 Oct 2018 18:30
Operator : MJ/SJ
Sample : J5116-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

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Quant Title : SVOA CALIBRATION

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

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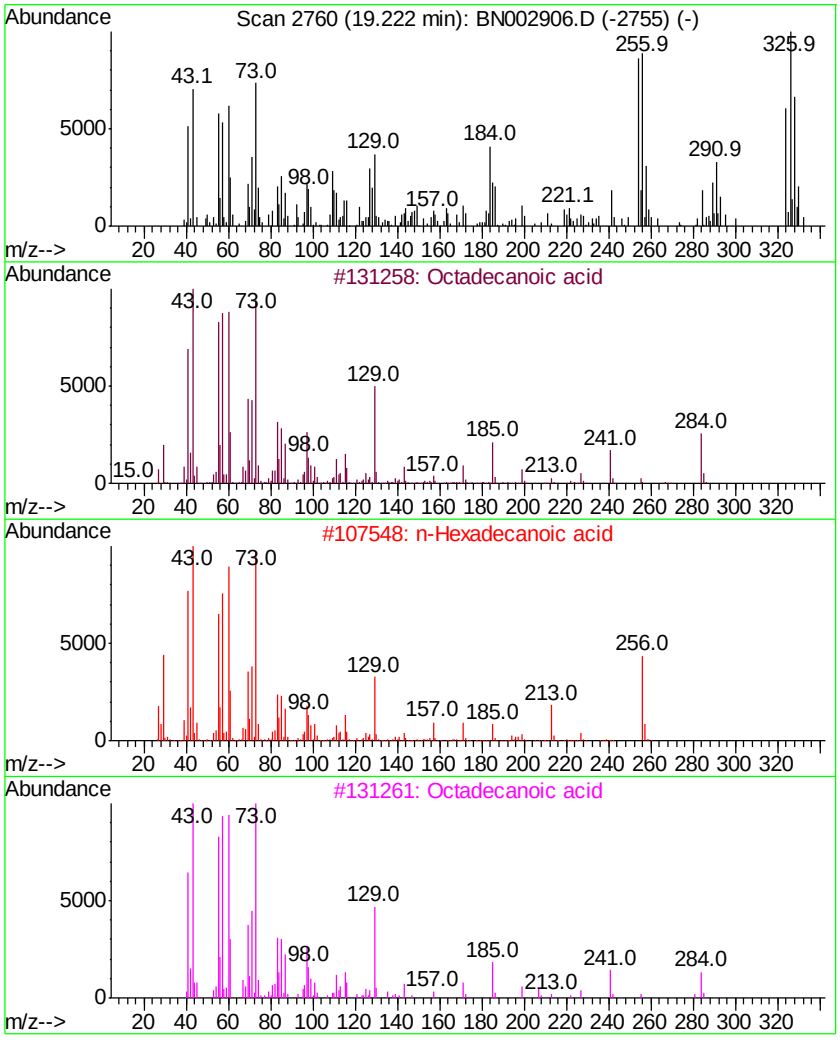
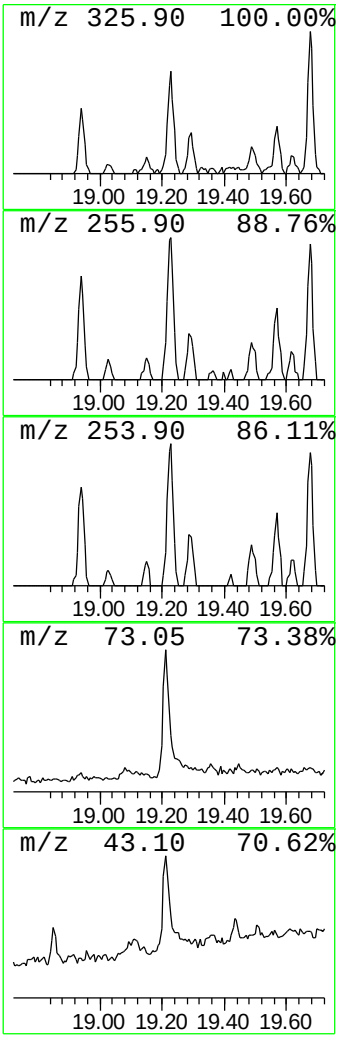
Peak Number 9 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.21 ng/ul	346243	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Octadecanoic acid	284	C18H36O2	000057-11-4	84
4	Octadecanoic acid	284	C18H36O2	000057-11-4	84
5	Octadecanoic acid	284	C18H36O2	000057-11-4	80





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Quant Title : SVOA CALIBRATION

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

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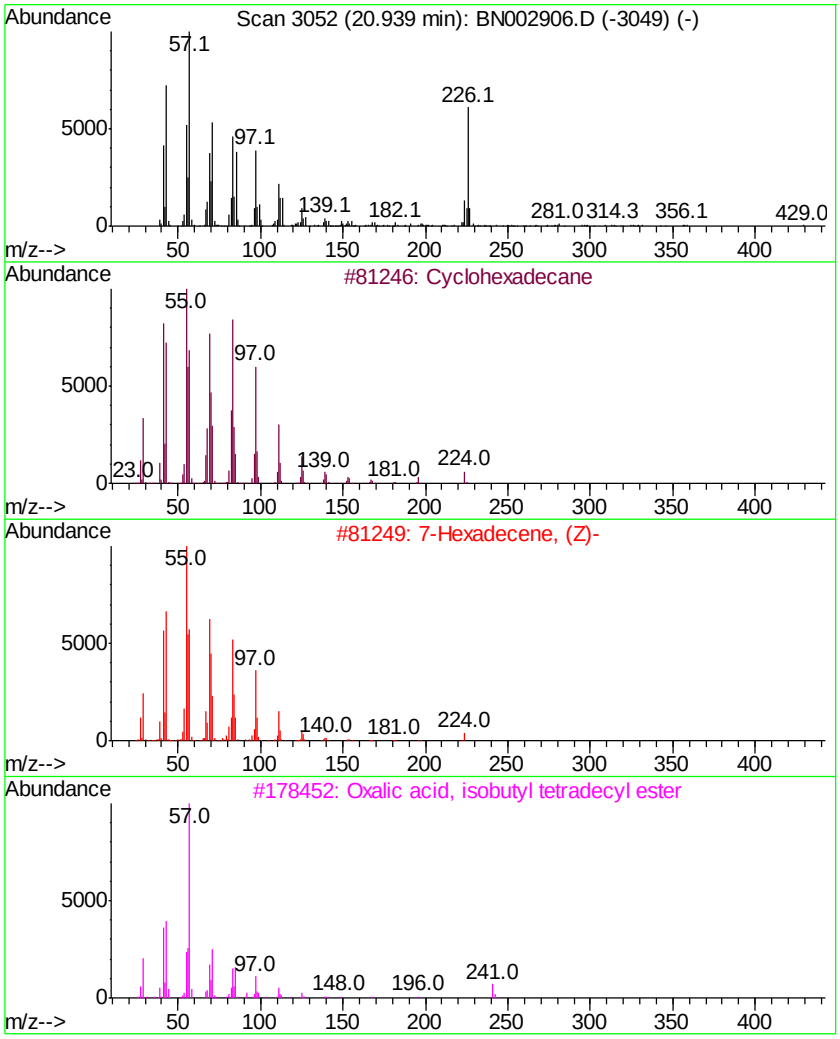
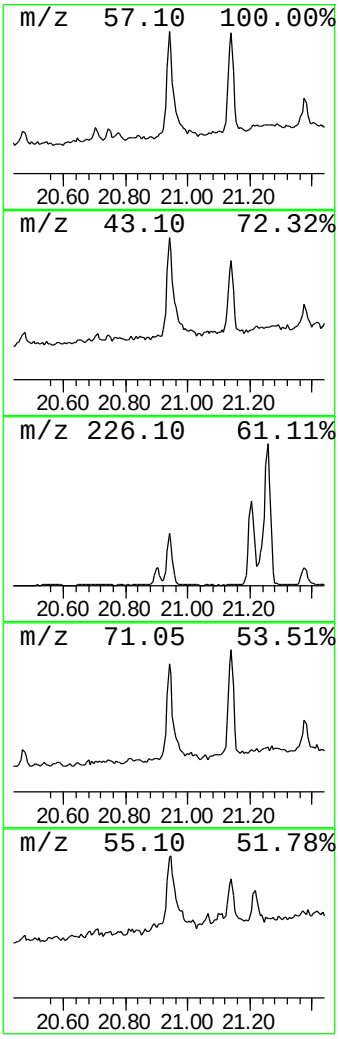
Peak Number 10 (DEL) Alkane: Cyclic20.94 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	4.35 ng/ul	679975	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	89
2	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	89
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	62
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	62
5	Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	62





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Instrument : BNA_N
ClientSampleId : JLC52

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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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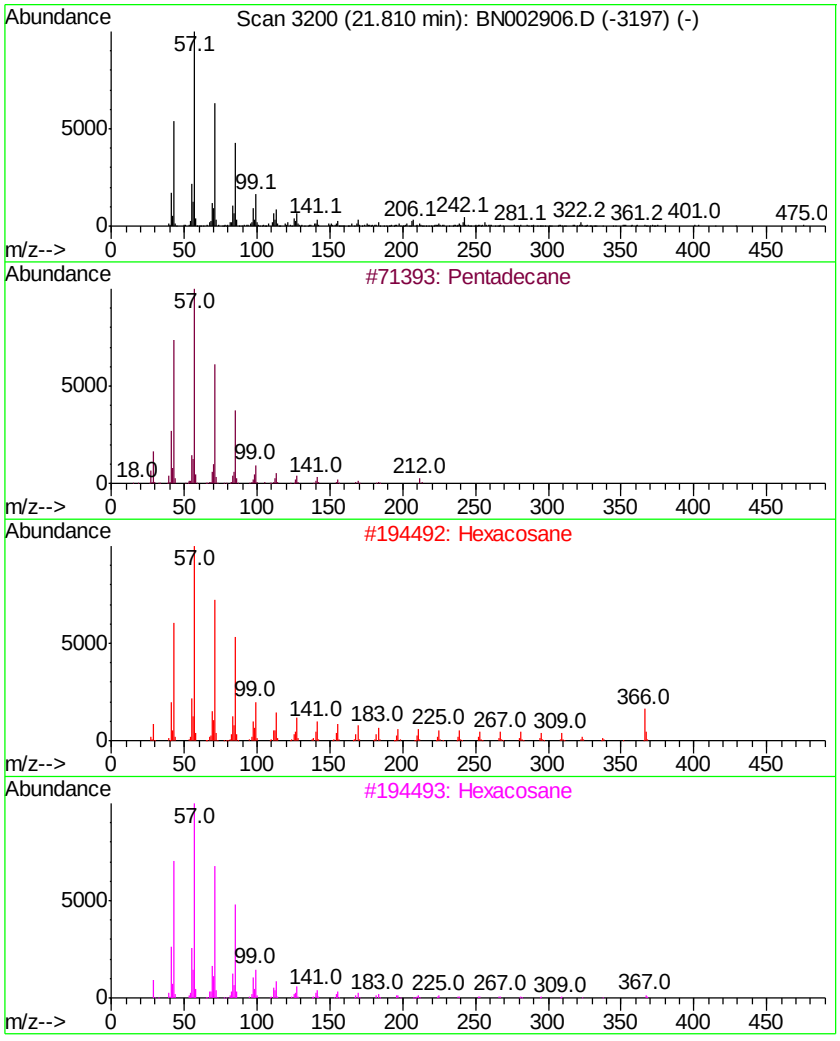
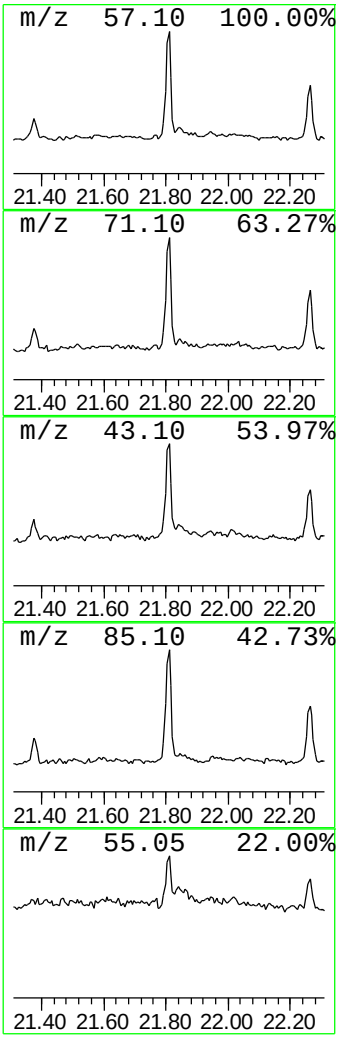
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.67 ng/ul	418535	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Hexacosane	366	C26H54	000630-01-3	91
3	Hexacosane	366	C26H54	000630-01-3	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	87





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Operator : MJ/SJ
Sample : J5116-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

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

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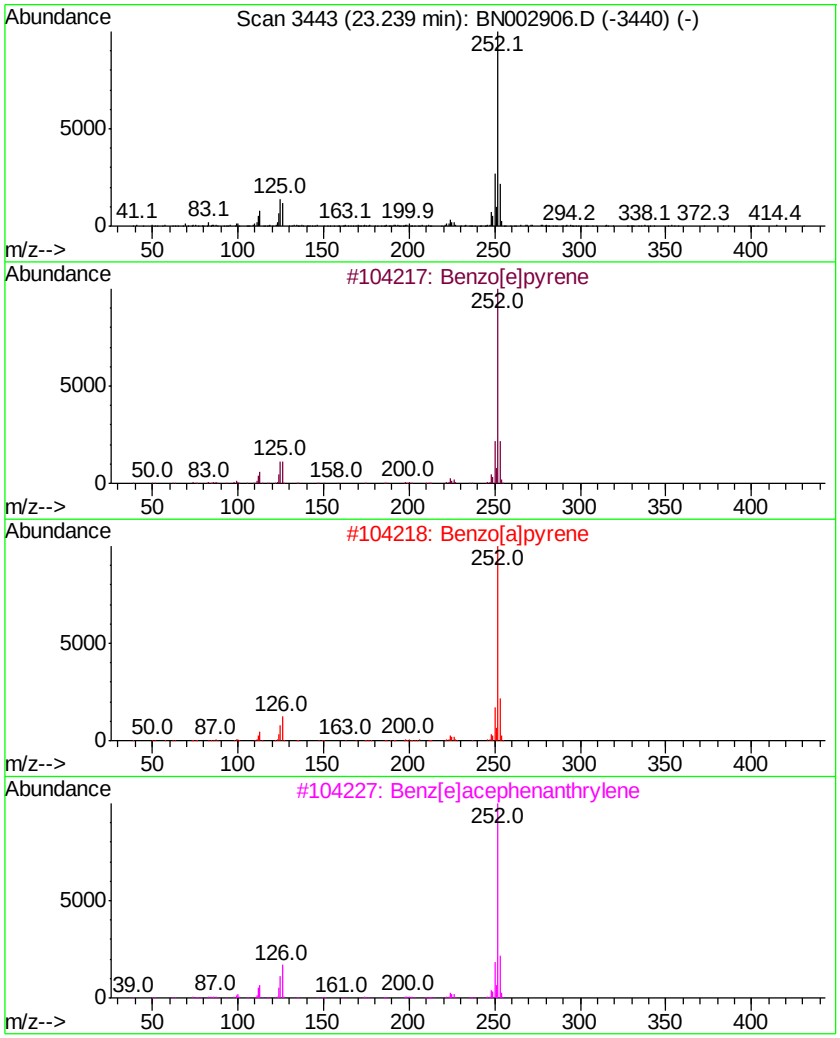
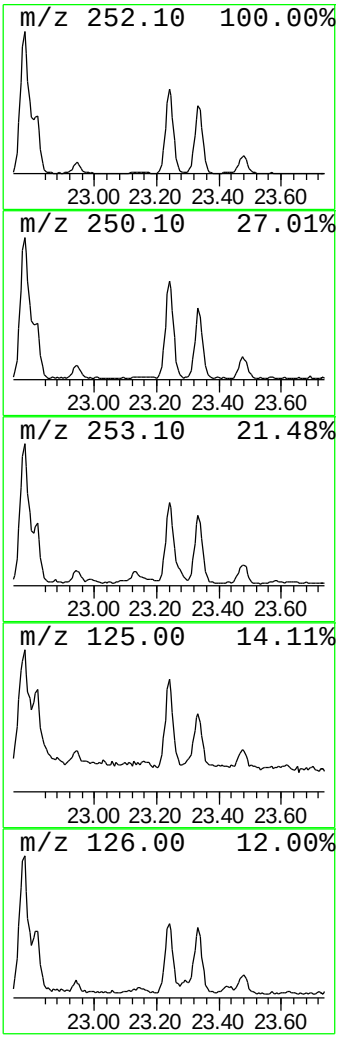
Peak Number 12 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	5.63 ng/ul	396301	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : JLC52

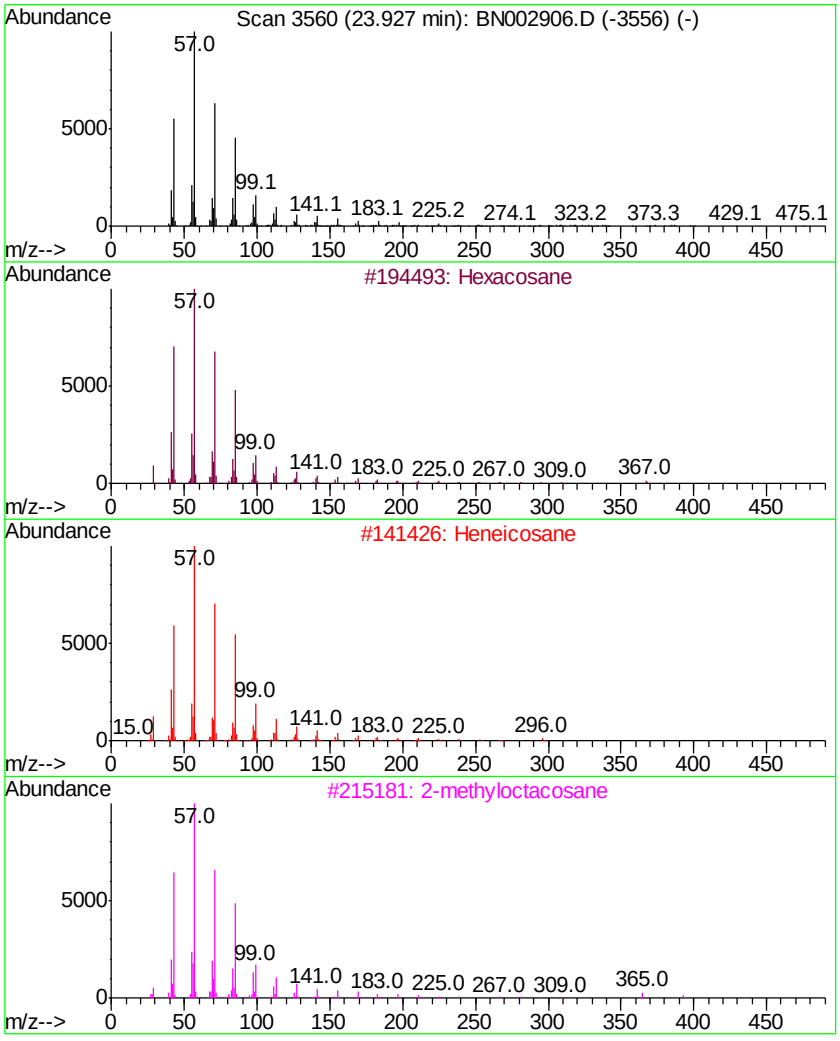
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION

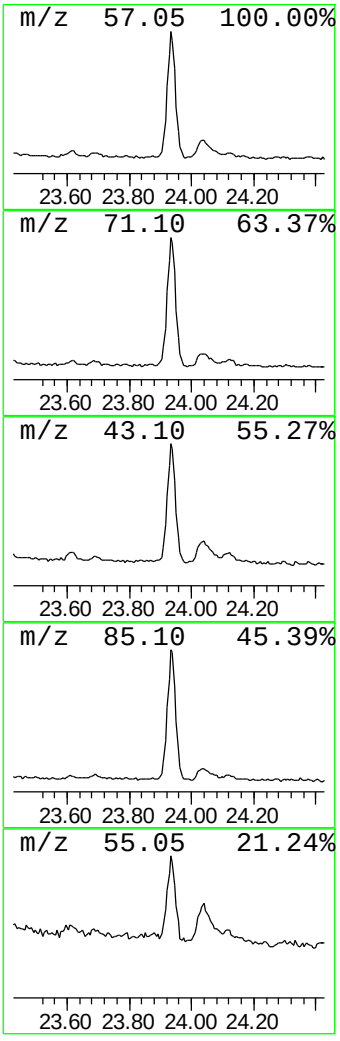
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	17.98 ng/ul	1266370	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Docosane	310	C22H46	000629-97-0	87
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	87





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_N
ClientSampleId : JLC52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.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
2-Pentanone, 4-hy...	4.79	6.6	ng/ul	272291	1	7.62	824950	20.0
Benzene, (1-methy...	6.13	4.7	ng/ul	193641	1	7.62	824950	20.0
.alpha.-Methylsty...	7.06	25.3	ng/ul	1043110	1	7.62	824950	20.0
Benzene, tert-butyl-	7.23	5.9	ng/ul	242074	1	7.62	824950	20.0
Propanoic acid, 2...	15.07	3.8	ng/ul	327506	3	14.26	1748540	20.0
n-Hexadecanoic acid	17.92	7.7	ng/ul	845145	4	17.02	2199810	20.0
4H-Cyclopenta[def...	18.09	2.5	ng/ul	270134	4	17.02	2199810	20.0
Octadecanoic acid	19.22	2.2	ng/ul	346243	5	21.22	3129840	20.0
(DEL) Alkane: Cyc...	20.94	4.3	ng/ul	679975	5	21.22	3129840	20.0
(DEL) Alkane: Str...	21.81	2.7	ng/ul	418535	5	21.22	3129840	20.0
Benzo[e]pyrene	23.24	5.6	ng/ul	396301	6	23.43	1408270	20.0
(DEL) Alkane: Str...	23.93	18.0	ng/ul	1266370	6	23.43	1408270	20.0