LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_N\METHODS\SOM-EPA-BN031918.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	3.472	3	6	11	rVB	1607531	1792515	35.47%	1.769%
2	3.514	11	13	21	rVB	172828	210303	4.16%	0.208%
3	4.155	117	122	125	rBV	648610	888717	17.59%	0.877%
4	4.184	125	127	137	rVB	202745	270590	5.35%	0.267%
5	4.296	139	146	150	rBV	397013	685032	13.56%	0.676%
6	4.513	178	183	187	rBV	194873	285190	5.64%	0.281%
7	4.566	187	192	197	rVV	1343515	1754055	34.71%	1.731%
8	4.625	197	202	209	rVB	2259684	3049710	60.35%	3.009%
9	4.731	215	220	224	rBV	236230	320110	6.33%	0.316%
10	4.778	224	228	231	rBV	167356	209724	4.15%	0.207%
11	5.308	306	318	325	rBV2	113999	271230	5.37%	0.268%
12	5.408	331	335	340	rVB	283852	418487	8.28%	0.413%
13	5.755	389	394	398	rBV	170431	277071	5.48%	0.273%
14	5.813	398	404	408	rBV	257477	525907	10.41%	0.519%
15	6.031	436	441	448	rVB	242561	356237	7.05%	0.352%
16	6.119	448	456	462	rBV	1380581	2017165	39.92%	1.990%
17	6.178	462	466	473	rVV	233207	335197	6.63%	0.331%
18	6.290	473	485	492	rVV2	512209	1019491	20.17%	1.006%
19	6.419	498	507	519	rVB2	115438	326286	6.46%	0.322%
20	6.549	519	529	531	rBV2	81110	200948	3.98%	0.198%
21	6.596	533	537	542	rVV	251867	386979	7.66%	0.382%
22	6.731	553	560	564	rVV2	167685	380814	7.54%	0.376%
23	6.860	576	582	589	rVV	186842	377656	7.47%	0.373%
24	7.037	604	612	615	rBV	308814	559094	11.06%	0.552%
25	7.249	643	648	654	rVB	170749	273587	5.41%	0.270%
26	7.331	656	662	667	rBV	215590	349851	6.92%	0.345%
27	7.443	667	681	684	rVV2	291592	968361	19.16%	0.956%
28	7.478	684	687	693	rVV	150551	248218	4.91%	0.245%
29	7.549	693	699	711	rVB2	354699	798385	15.80%	0.788%
30	7.643	711	715	720	rBV	198551	279060	5.52%	0.275%
31	7.719	721	728	733	rBV	1001563	1644024	32.53%	1.622%
32	7.766	733	736	741	rVB	290835	429112	8.49%	0.423%
33	7.837	741	748	756	rVB	280374	449901	8.90%	0.444%
34	7.937	759	765	771	rBV	1162857	1948167	38.55%	1.922%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
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Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Title : SVOA CALIBRATION

35	8.184	801	807	814	rVB3	130270	276381	5.47%	0.273%
36	8.413	832	846	851	rVV2	1044528	2331761	46.14%	2.301%
37	8.460	851	854	870	rVB2	474857	984928	19.49%	0.972%
38	8.590	870	876	879	rBV	197994	321026	6.35%	0.317%
39	8.702	887	895	905	rVB3	146265	352265	6.97%	0.348%
40	8.796	905	911	916	rBV	203519	339866	6.73%	0.335%
41	8.949	927	937	941	rBV2	269587	549417	10.87%	0.542%
42	9.025	942	950	959	rVB	328080	846995	16.76%	0.836%
43	9.119	959	966	976	rBV	855252	1635225	32.36%	1.614%
44	9.249	982	988	997	rVB	939559	1645301	32.56%	1.623%
45	9.384	999	1011	1015	rBV3	105343	290762	5.75%	0.287%
46	9.596	1039	1047	1053	rBV	1337541	2345210	46.41%	2.314%
47	9.666	1053	1059	1063	rVV3	273617	576218	11.40%	0.569%
48	9.743	1063	1072	1077	rVB	378158	1005038	19.89%	0.992%
49	9.801	1078	1082	1086	rBV3	169217	299273	5.92%	0.295%
50	9.878	1092	1095	1104	rVB2	152205	310431	6.14%	0.306%
51	9.960	1104	1109	1115	rVB3	145959	231415	4.58%	0.228%
52	10.031	1115	1121	1126	rBV2	125338	238391	4.72%	0.235%
53	10.143	1134	1140	1148	rBV3	148980	281014	5.56%	0.277%
54	10.325	1165	1171	1181	rVV	967326	1748508	34.60%	1.725%
55	10.431	1181	1189	1194	rVV	342631	629690	12.46%	0.621%
56	10.496	1194	1200	1203	rVV2	107597	234728	4.64%	0.232%
57	10.566	1203	1212	1222	rVV3	326127	871468	17.24%	0.860%
58	10.866	1257	1263	1269	rBV	1288173	2164177	42.82%	2.135%
59	11.225	1315	1324	1326	rBV2	787161	1626103	32.18%	1.605%
60	11.254	1326	1329	1347	rVB	1353686	2886914	57.13%	2.849%
61	11.390	1347	1352	1359	rBV2	196817	423091	8.37%	0.417%
62	11.513	1368	1373	1379	rBV2	172104	280615	5.55%	0.277%
63	11.766	1409	1416	1419	rBV2	107975	199518	3.95%	0.197%
64	11.901	1433	1439	1446	rBV	395405	741767	14.68%	0.732%
65	12.048	1458	1464	1466	rBV3	208042	394350	7.80%	0.389%
66	12.090	1467	1471	1474	rVV	174605	314890	6.23%	0.311%
67	12.201	1486	1490	1499	rVB3	310519	573272	11.34%	0.566%
68	12.313	1504	1509	1515	rVB2	154651	249660	4.94%	0.246%
69	12.548	1544	1549	1557	rBV4	191655	385565	7.63%	0.380%
70	12.678	1565	1571	1578	rVB2	242014	490136	9.70%	0.484%
71	12.748	1578	1583	1589	rBV5	117152	238076	4.71%	0.235%

LSC Area Percent Report

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Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_N\METHODS\SOM-EPA-BN031918.M
Title : SVOA CALIBRATION

72	12.819	1589	1595	1600	rBV3	190683	309958	6.13%	0.306%
73	12.919	1607	1612	1623	rVB2	325854	774808	15.33%	0.765%
74	13.219	1657	1663	1672	rVB7	157967	329273	6.52%	0.325%
75	13.484	1705	1708	1717	rVB	143011	259874	5.14%	0.256%
76	13.672	1735	1740	1746	rVV	472971	754488	14.93%	0.744%
77	13.737	1747	1751	1757	rVV3	92199	191576	3.79%	0.189%
78	13.807	1757	1763	1774	rVB9	94187	288432	5.71%	0.285%
79	13.989	1790	1794	1802	rVB7	93725	205224	4.06%	0.202%
80	14.425	1862	1868	1872	rVV	2055683	2887077	57.13%	2.849%
81	14.466	1872	1875	1885	rVB	300036	472748	9.35%	0.466%
82	14.736	1914	1921	1928	rVV	2451575	4049910	80.14%	3.996%
83	14.807	1929	1933	1938	rVB5	161393	318161	6.30%	0.314%
84	15.036	1965	1972	1980	rVB2	1709372	2696274	53.35%	2.660%
85	15.225	1999	2004	2008	rBV2	221892	373866	7.40%	0.369%
86	15.742	2086	2092	2097	rBV	2895269	4141137	81.94%	4.086%
87	15.813	2097	2104	2111	rVB	3554775	5053575	100.00%	4.986%
88	16.019	2133	2139	2146	rVB	2802416	4165103	82.42%	4.110%
89	16.131	2153	2158	2166	rVB	676285	972550	19.24%	0.960%
90	16.683	2248	2252	2259	rBV	123587	180905	3.58%	0.179%
91	17.760	2429	2435	2444	rBV	1754763	2546804	50.40%	2.513%
92	17.860	2445	2452	2457	rBV2	2652928	3946949	78.10%	3.895%
93	18.595	2572	2577	2583	rBV	282340	431615	8.54%	0.426%
94	20.113	2829	2835	2846	rVB2	2814901	3951191	78.19%	3.899%
95	21.536	3073	3077	3088	rBV2	259460	402411	7.96%	0.397%
96	21.877	3130	3135	3141	rVB	1699917	2304845	45.61%	2.274%
97	24.201	3519	3530	3541	rVB2	1544368	3378747	66.86%	3.334%
98	24.360	3549	3557	3566	rVB	980767	1972293	39.03%	1.946%
99	24.883	3642	3646	3653	rVB	89324	180884	3.58%	0.178%
100	25.724	3784	3789	3797	rVB2	78972	184422	3.65%	0.182%

Sum of corrected areas: 101345719

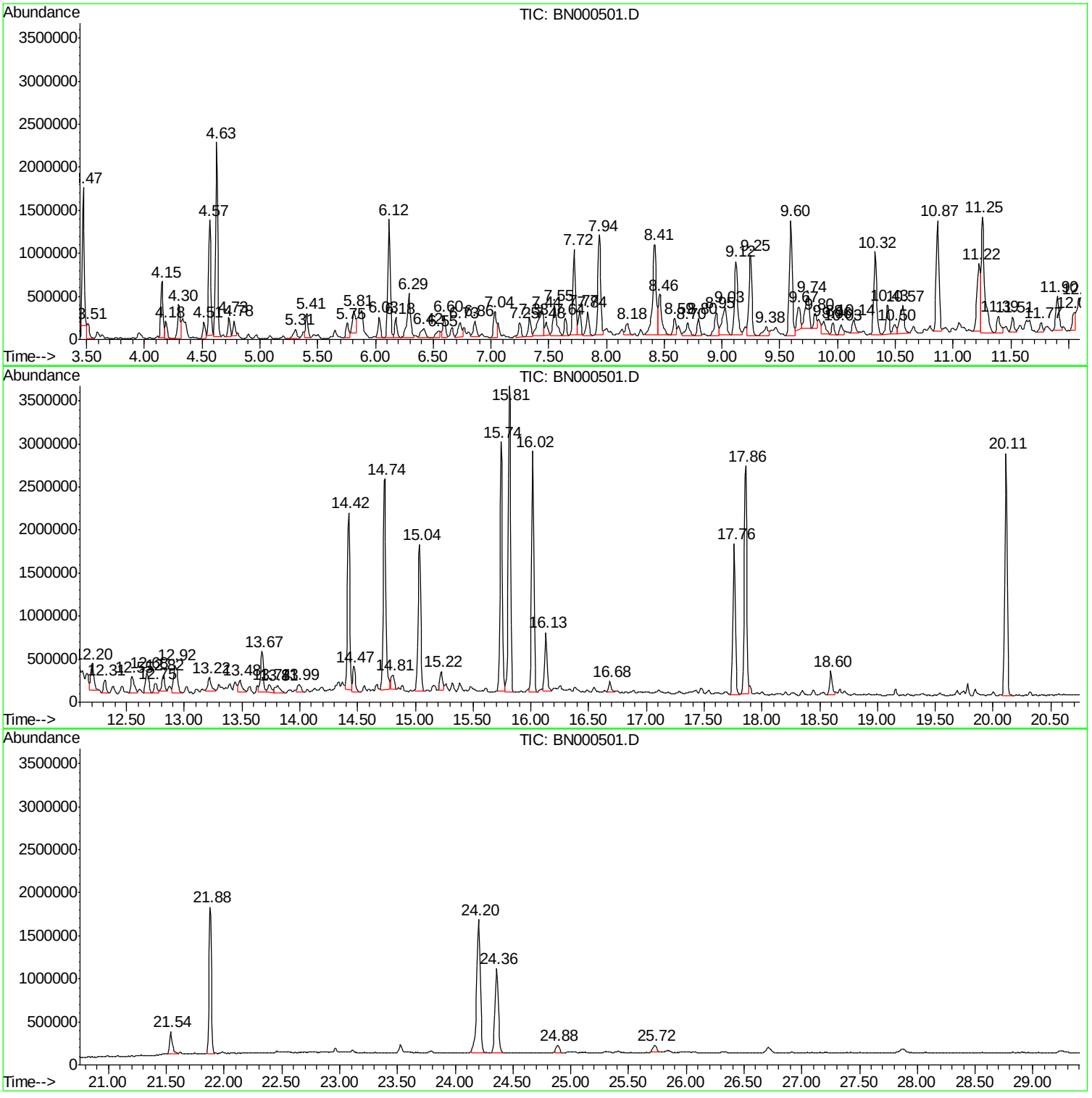
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

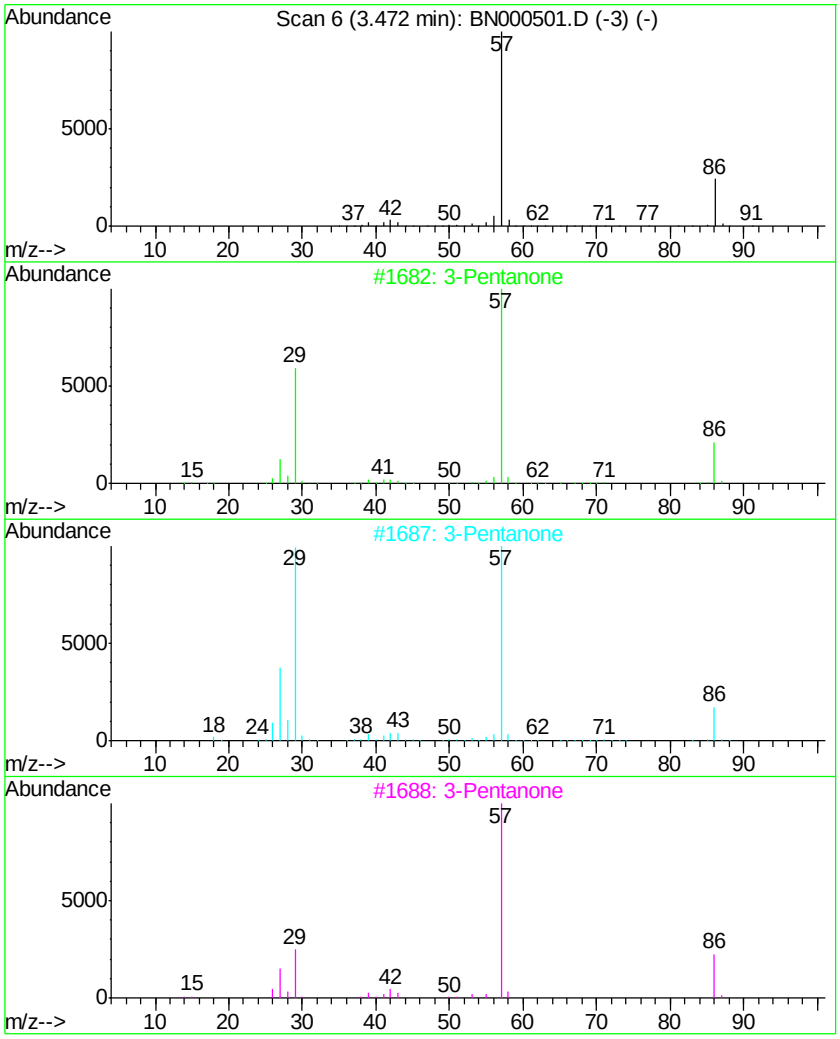
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

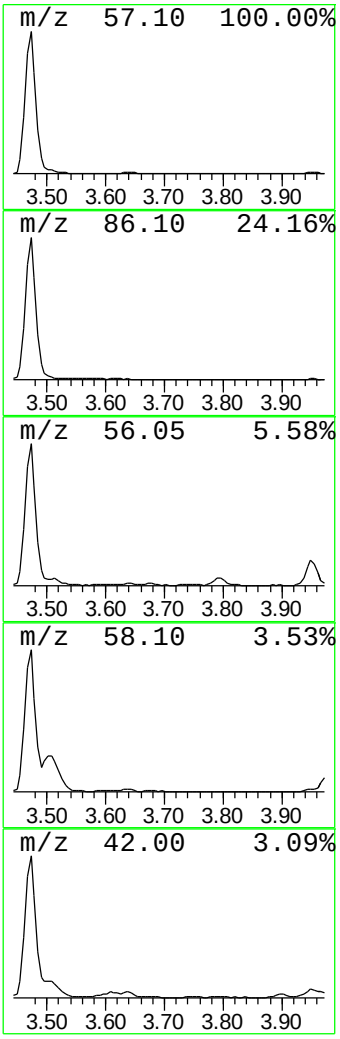
****

Peak Number 1 3-Pentanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.47	15.37 ng/ul	1792520	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone	86	C5H10O	000096-22-0	86
2	3-Pentanone	86	C5H10O	000096-22-0	83
3	3-Pentanone	86	C5H10O	000096-22-0	80
4	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	9
5	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	7





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

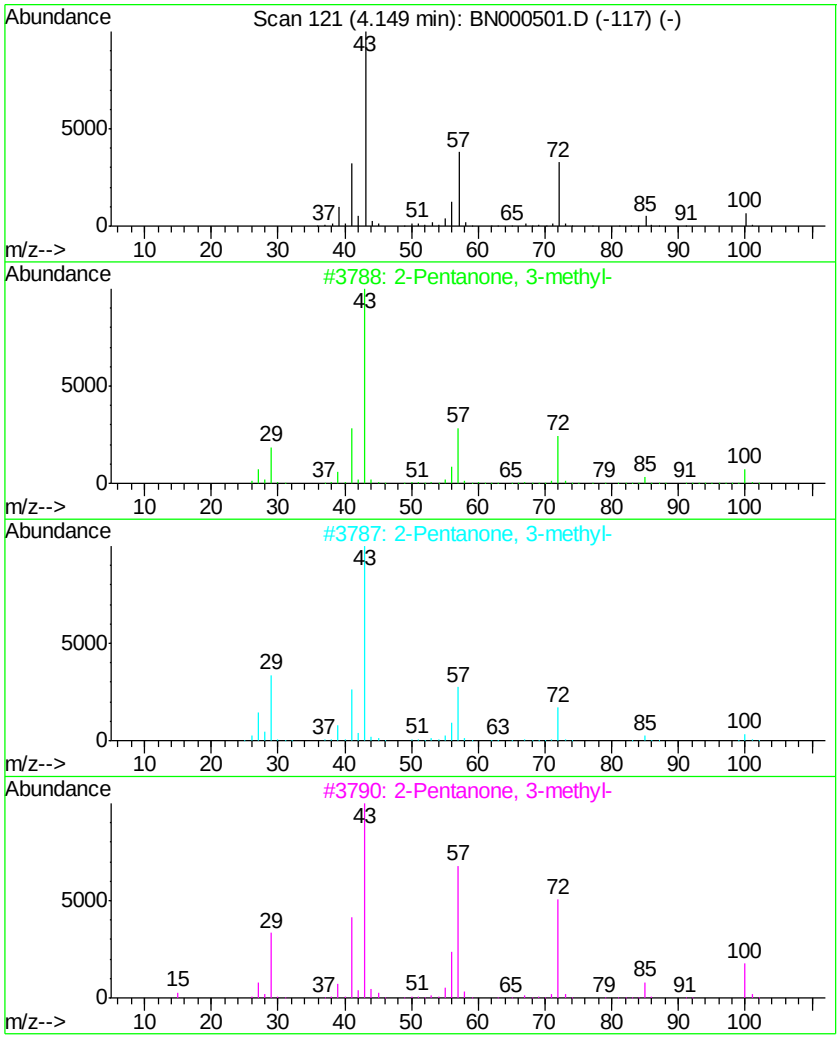
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

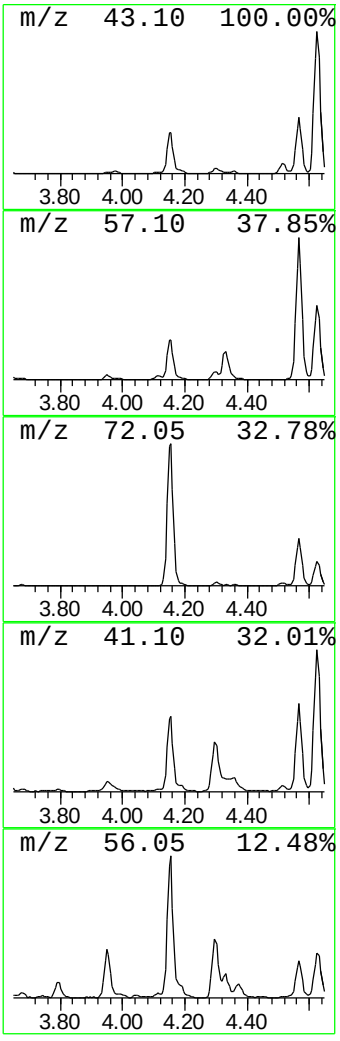
****

Peak Number 2 2-Pentanone, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.15	7.62 ng/ul	888717	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	90
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	90
3	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	83
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	59
5	2-Hexanone	100	C6H12O	000591-78-6	47





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
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Acq On : 20 Mar 2018 20:11
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

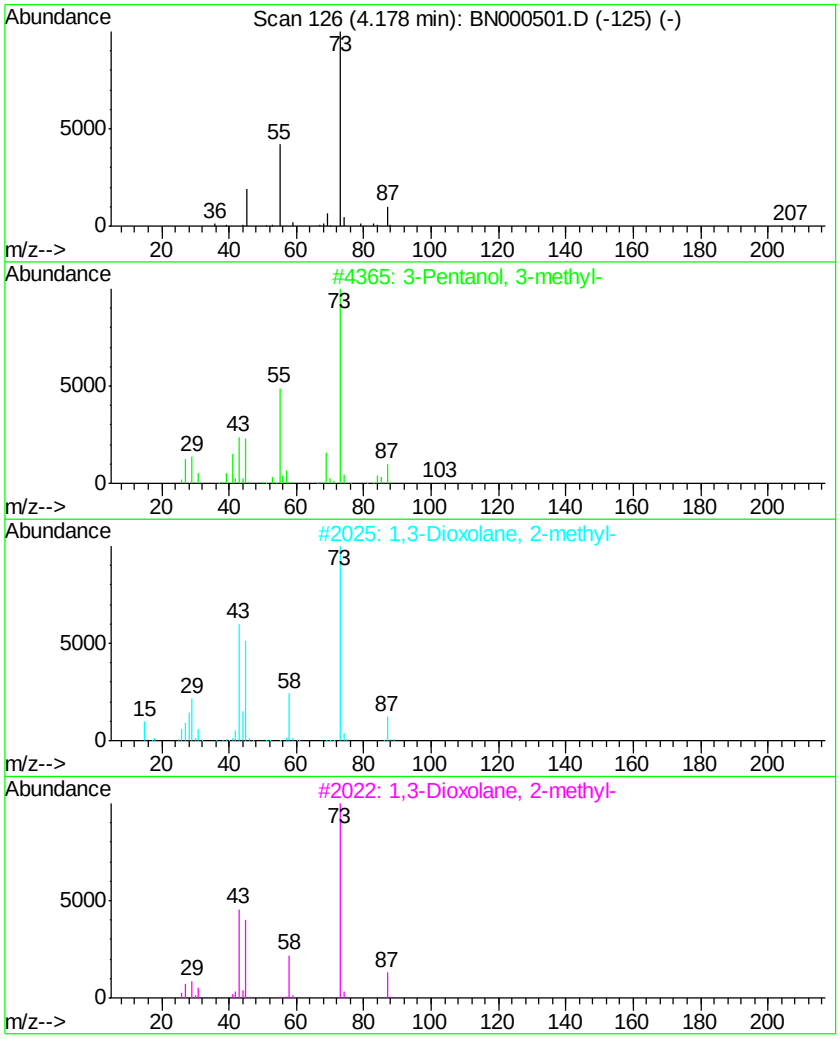
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

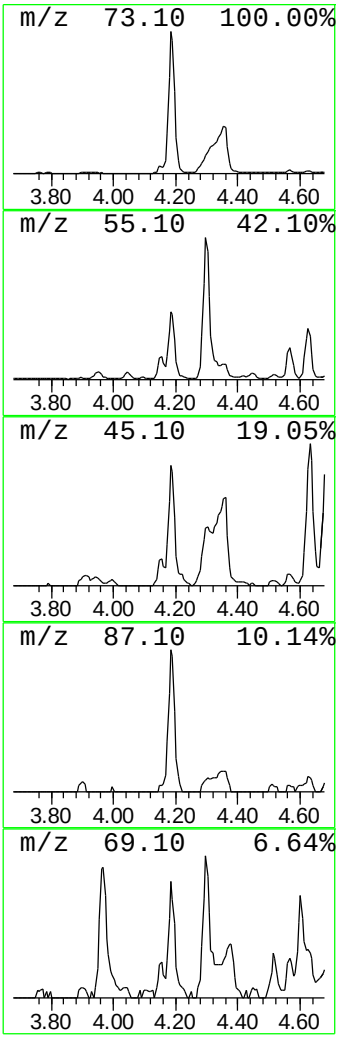
****

Peak Number 3 3-Pentanol, 3-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.18	2.32 ng/ul	270590	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	50
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	43
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	4-[1,3]Dioxolan-2-yl-3,4-dimethy...	196	C11H16O3	054710-16-6	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	7





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
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Acq On : 20 Mar 2018 20:11
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Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

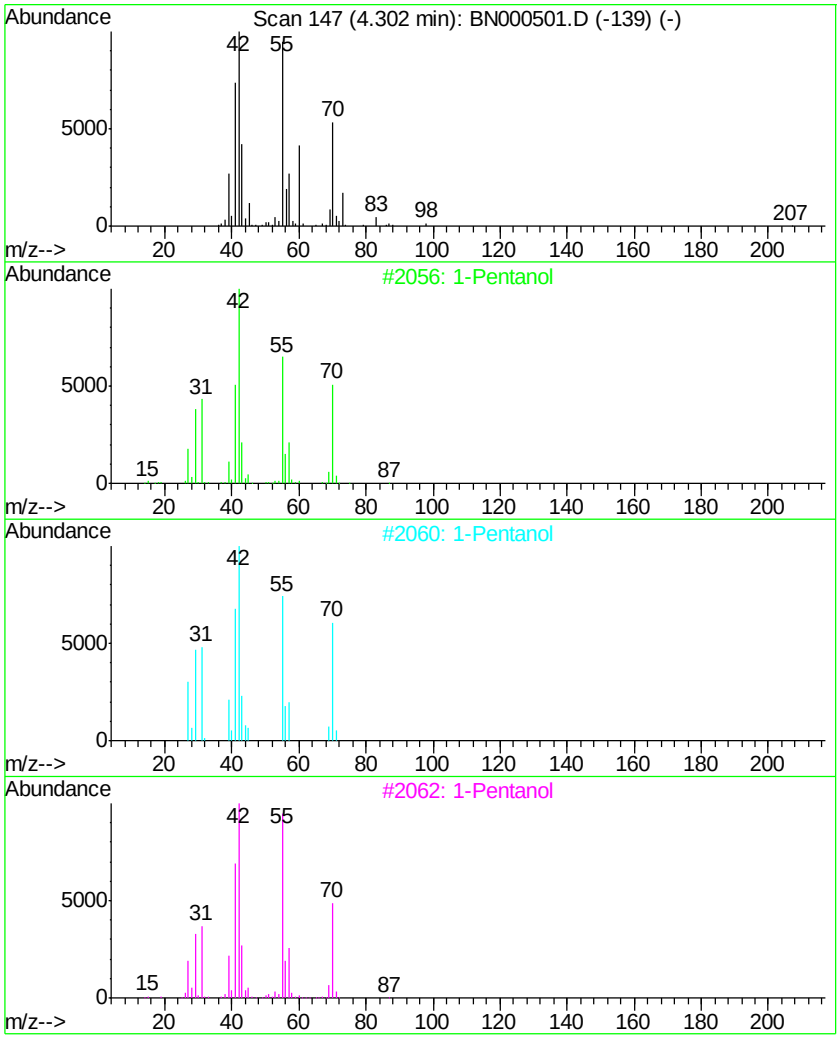
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

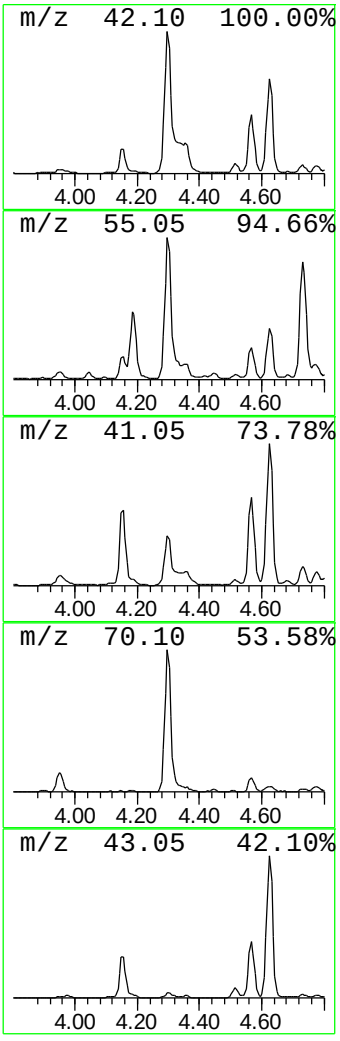
****

Peak Number 4 1-Pentanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	5.88 ng/ul	685032	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol	88	C5H12O	000071-41-0	72
2	1-Pentanol	88	C5H12O	000071-41-0	72
3	1-Pentanol	88	C5H12O	000071-41-0	64
4	1-Pentanol	88	C5H12O	000071-41-0	64
5	Formic acid, pentyl ester	116	C6H12O2	000638-49-3	59





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
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Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

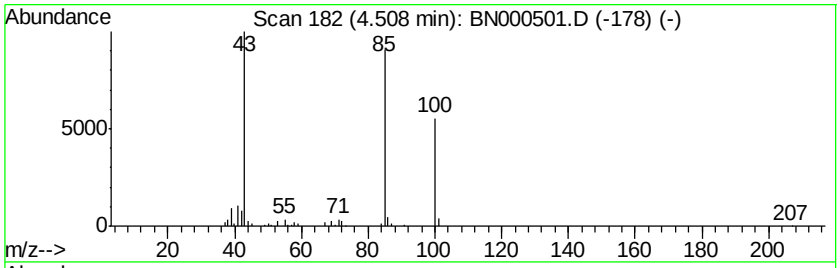
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

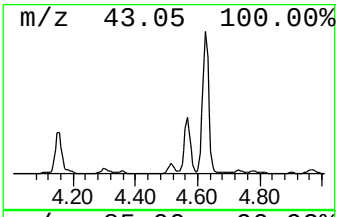
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

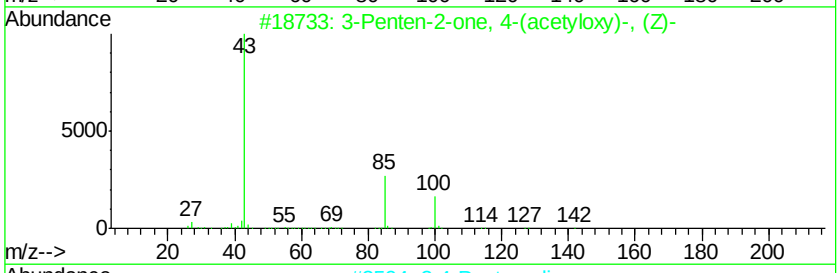
****
Peak Number 5 3-Penten-2-one, 4-(acetylox... Concentration Rank 43

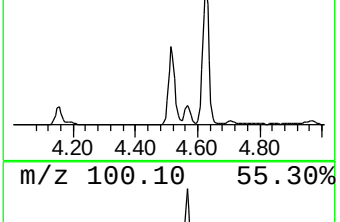
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.51	2.45 ng/ul	285190	1,4-Dichlorobenzene-d4	8.41

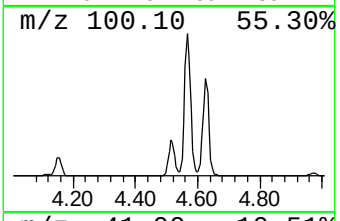
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-(acetyloxy)-, ...	142	C7H10O3	038365-58-1	78
2	2,4-Pentanedione	100	C5H8O2	000123-54-6	64
3	2,4-Pentanedione, 3-(1-methyleth...	142	C8H14O2	001540-38-1	38
4	4-Methoxy-3-buten-2-one	100	C5H8O2	004652-27-1	38
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	37

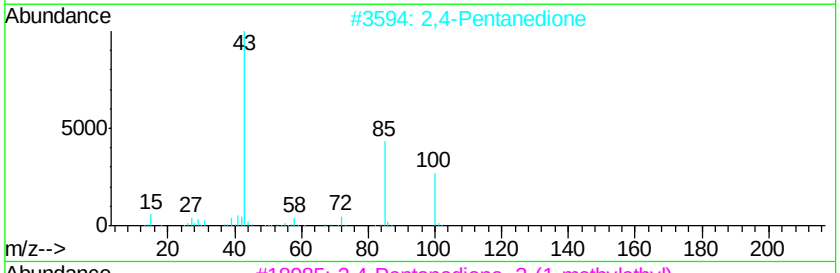


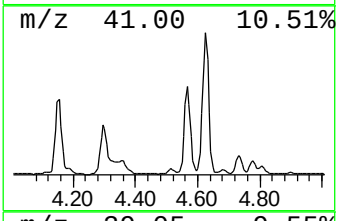


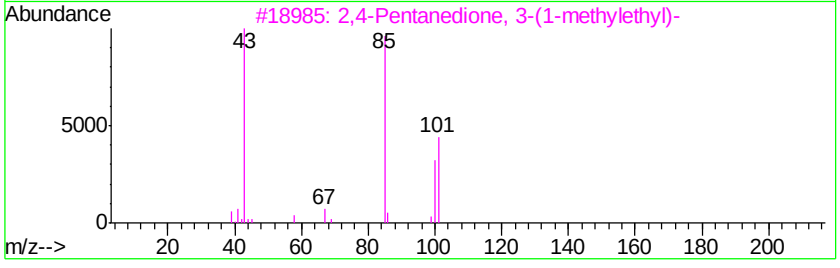


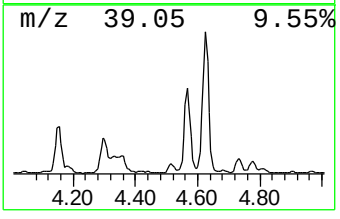












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Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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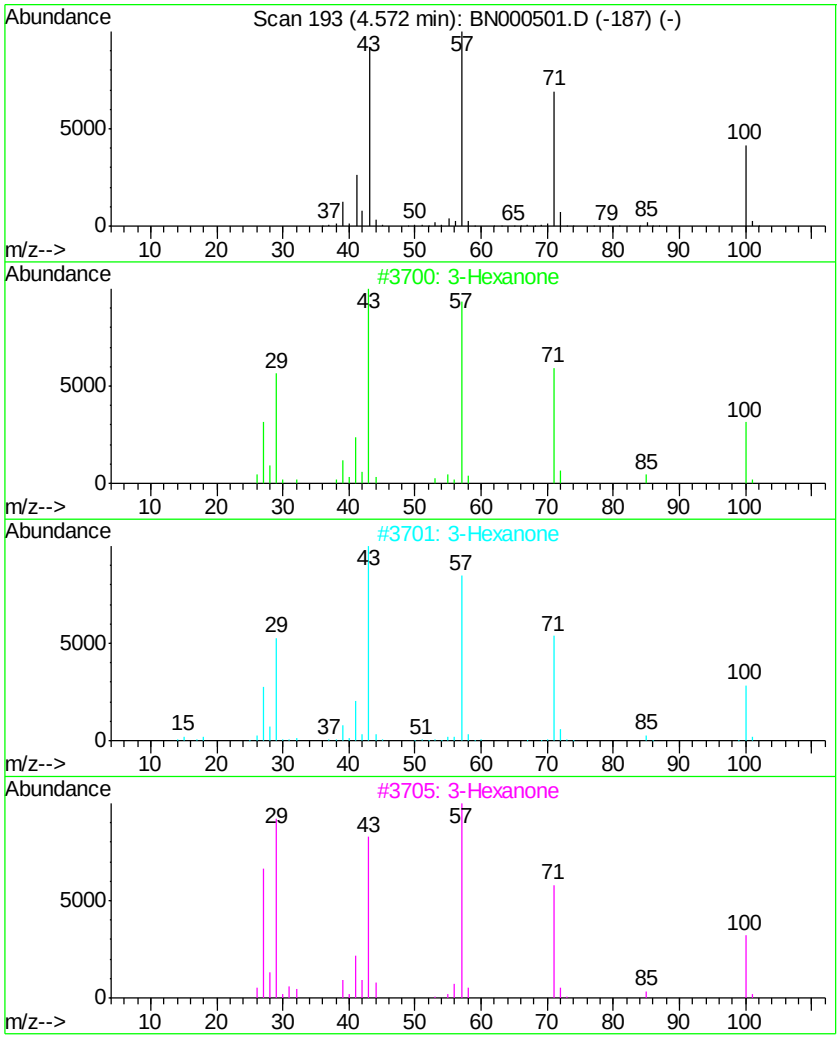
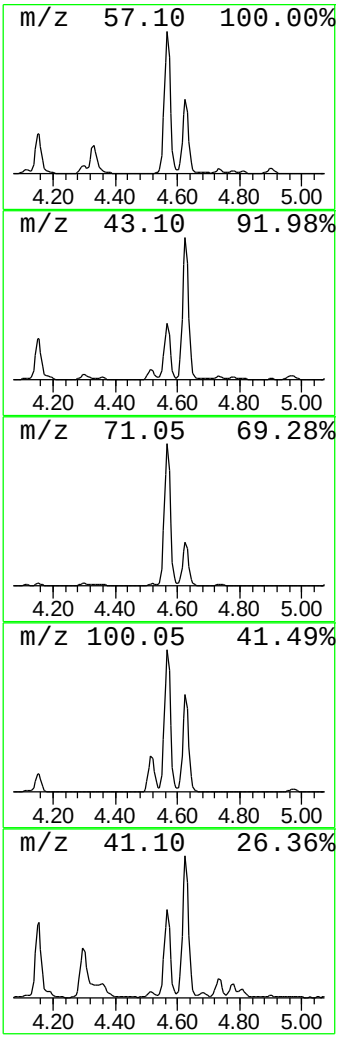
Peak Number 6 3-Hexanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	15.04 ng/ul	1754060	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	90
2	3-Hexanone	100	C6H12O	000589-38-8	80
3	3-Hexanone	100	C6H12O	000589-38-8	78
4	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	64
5	3-Hexanone	100	C6H12O	000589-38-8	59





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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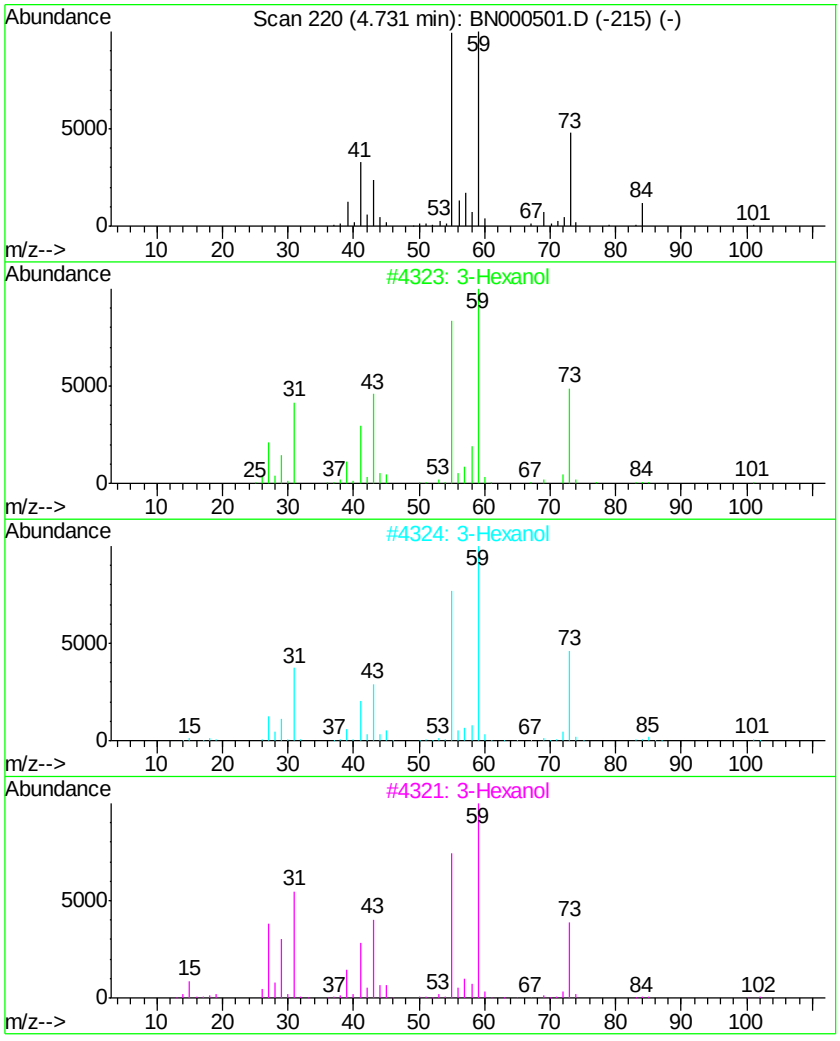
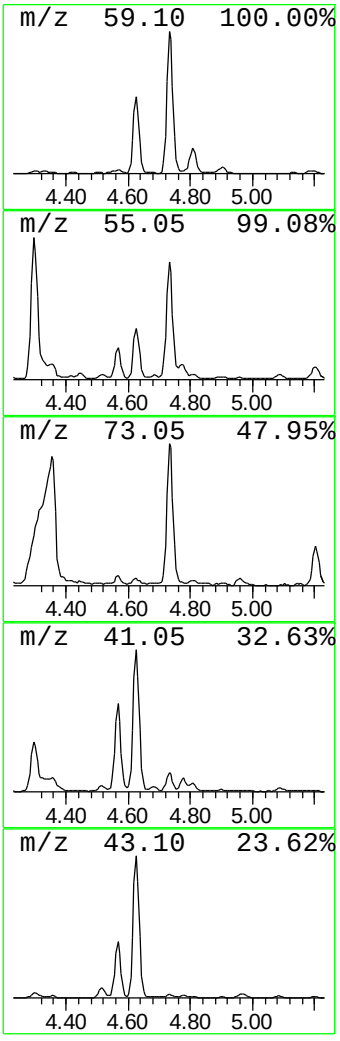
Peak Number 8 3-Hexanol Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	2.75 ng/ul	320110	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	72
2	3-Hexanol	102	C6H14O	000623-37-0	72
3	3-Hexanol	102	C6H14O	000623-37-0	72
4	3-Hexanol	102	C6H14O	000623-37-0	64
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	50





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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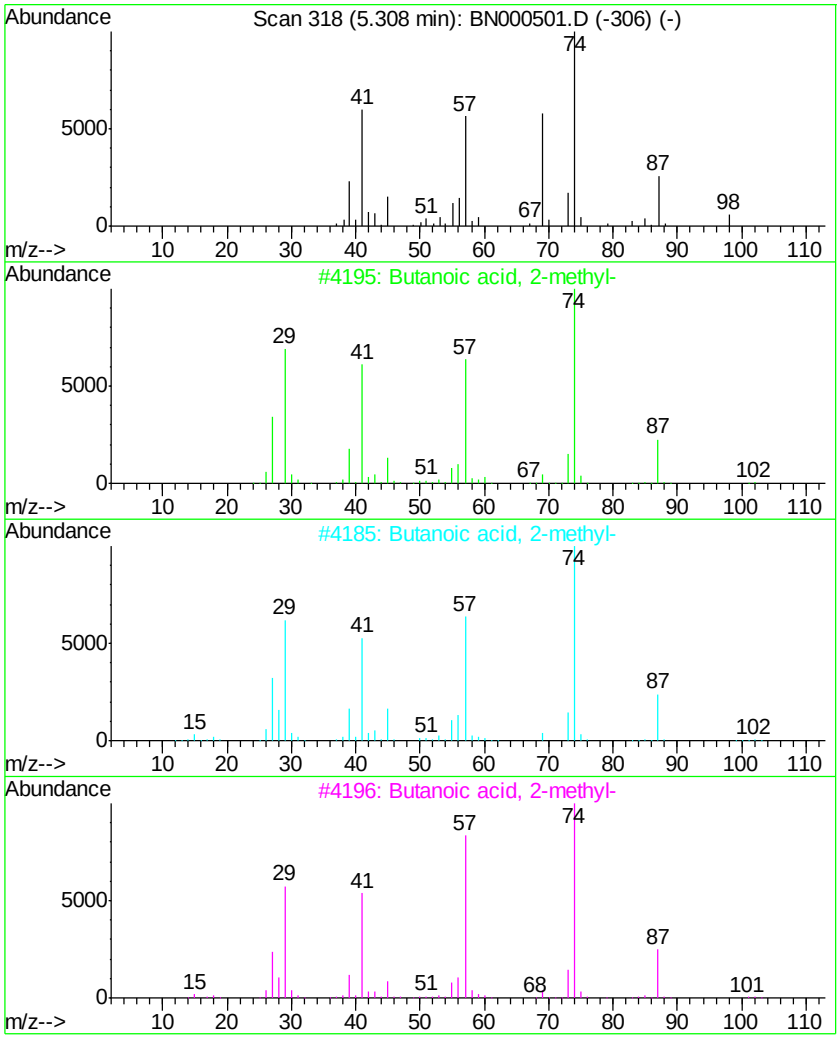
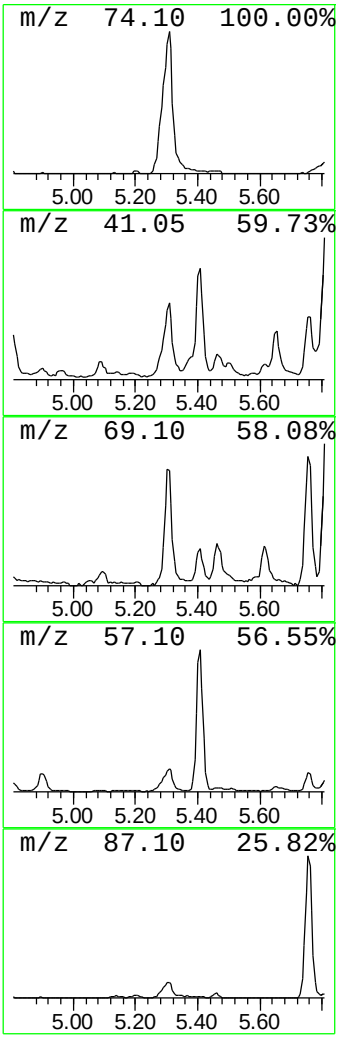
Peak Number 9 Butanoic acid, 2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.31	2.33 ng/ul	271230	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	78
2	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	78
3	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	64
4	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	64
5	Pentanoic acid, 2-methyl-	116	C6H12O2	000097-61-0	42





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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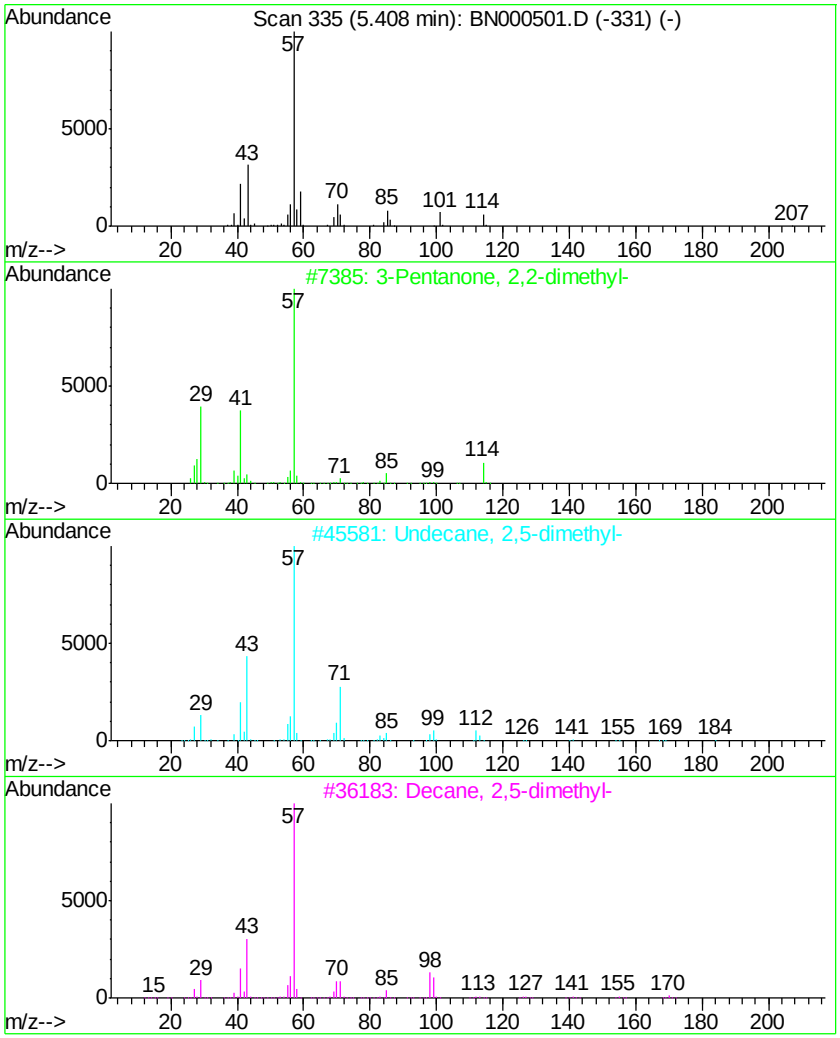
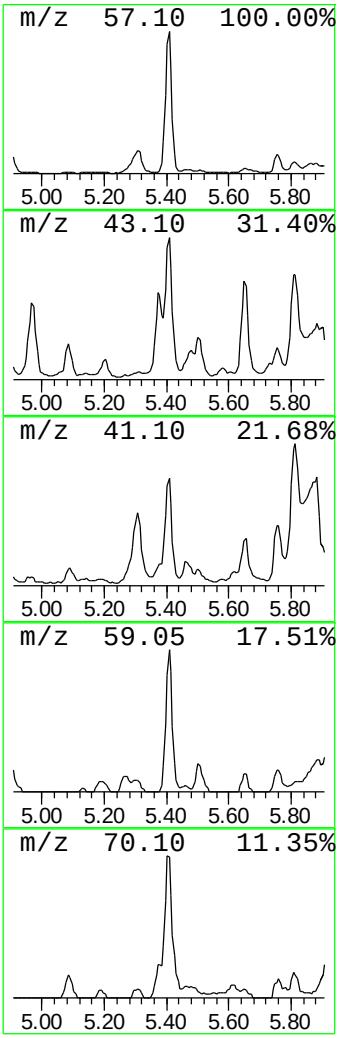
Peak Number 10 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	3.59 ng/ul	418487	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	47
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	38
3	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	38
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38
5	1-Nonen-3-ol	142	C9H18O	021964-44-3	37





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TIC Integration Parameters: LSCINT.P

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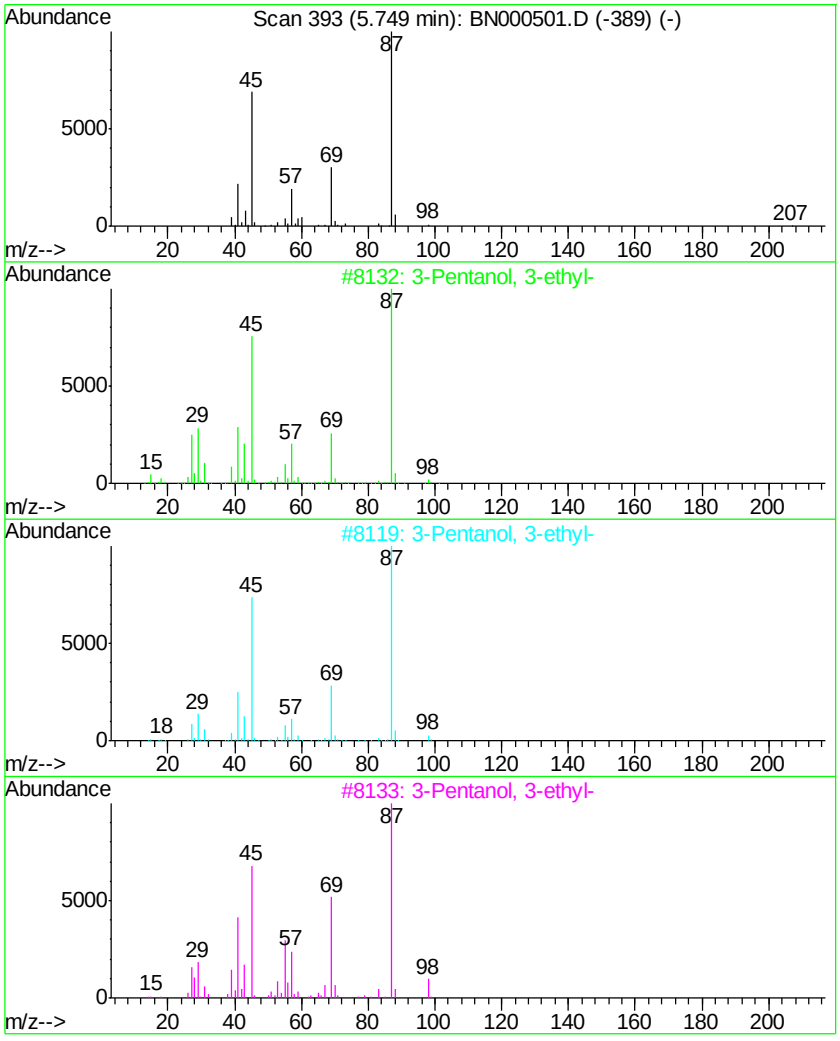
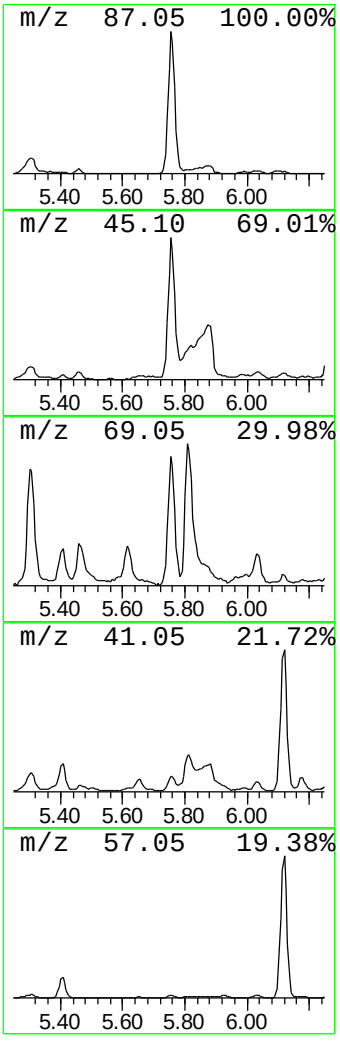
Peak Number 11 3-Pentanol, 3-ethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	2.38 ng/ul	277071	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-ethyl-	116	C7H16O	000597-49-9	83
2	3-Pentanol, 3-ethyl-	116	C7H16O	000597-49-9	78
3	3-Pentanol, 3-ethyl-	116	C7H16O	000597-49-9	56
4	1-Hepten-4-ol, 4-methyl-	128	C8H16O	001186-31-8	40
5	4-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-79-2	40





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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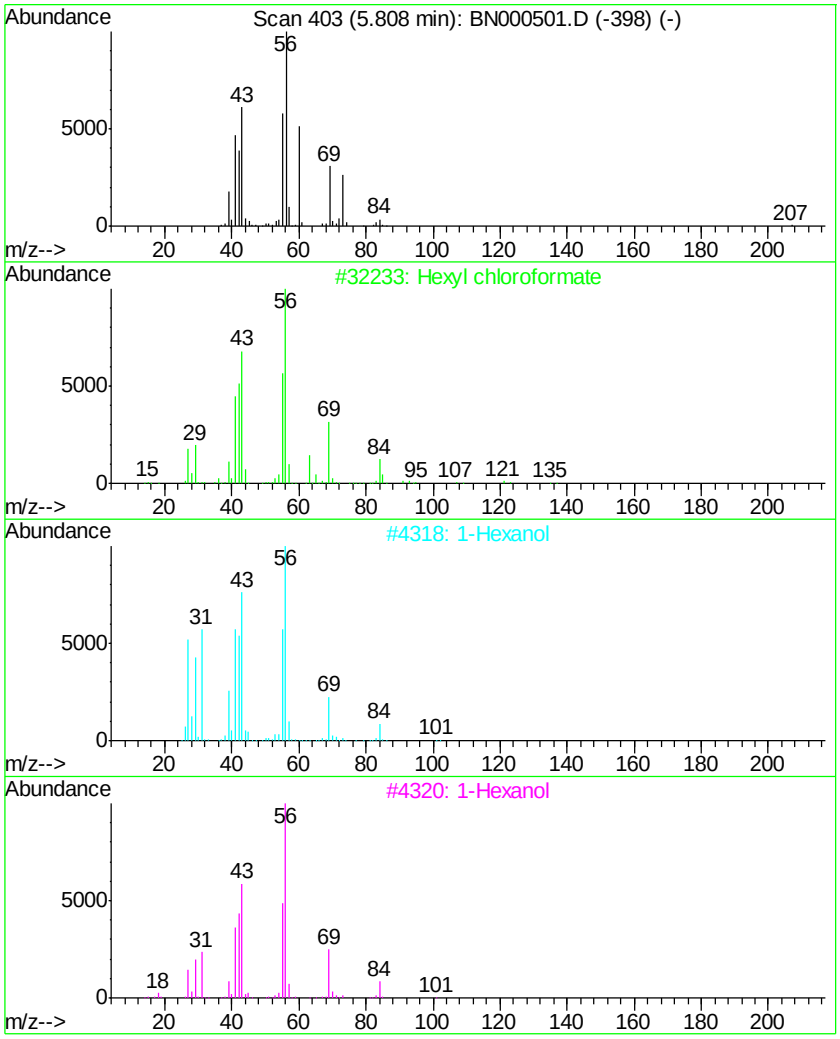
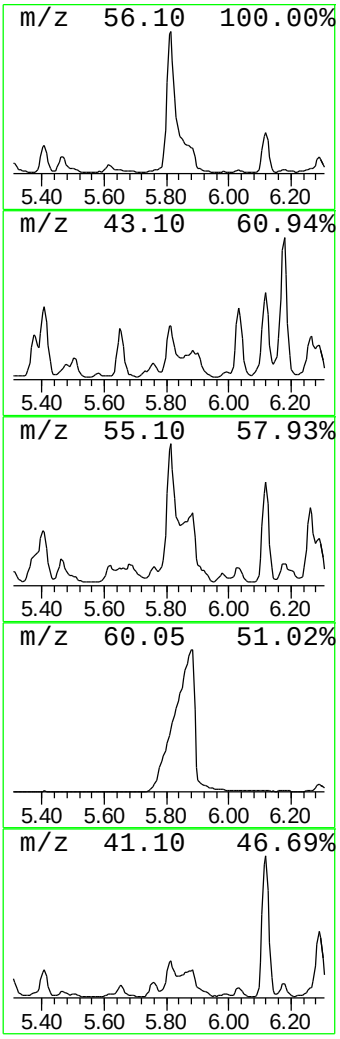
Peak Number 12 Hexyl chloroformate Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.81	4.51 ng/ul	525907	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl chloroformate	164	C7H13ClO2	006092-54-2	53
2	1-Hexanol	102	C6H14O	000111-27-3	53
3	1-Hexanol	102	C6H14O	000111-27-3	53
4	1-Hexanol	102	C6H14O	000111-27-3	50
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	43





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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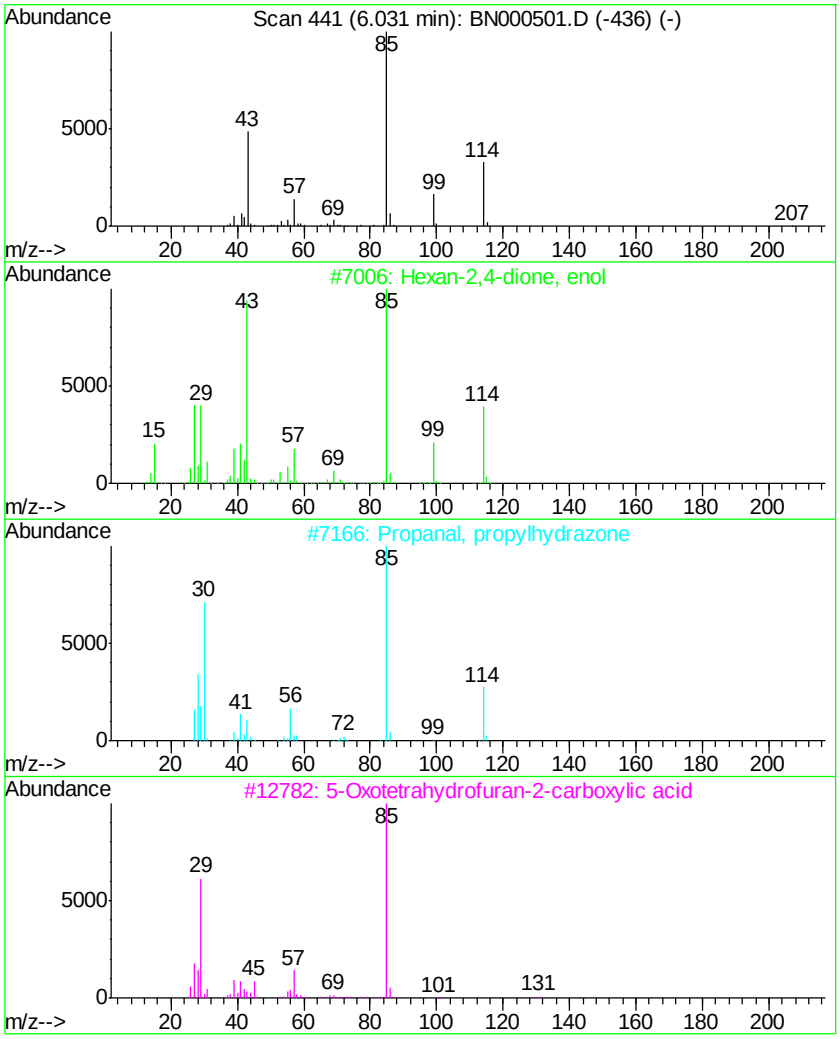
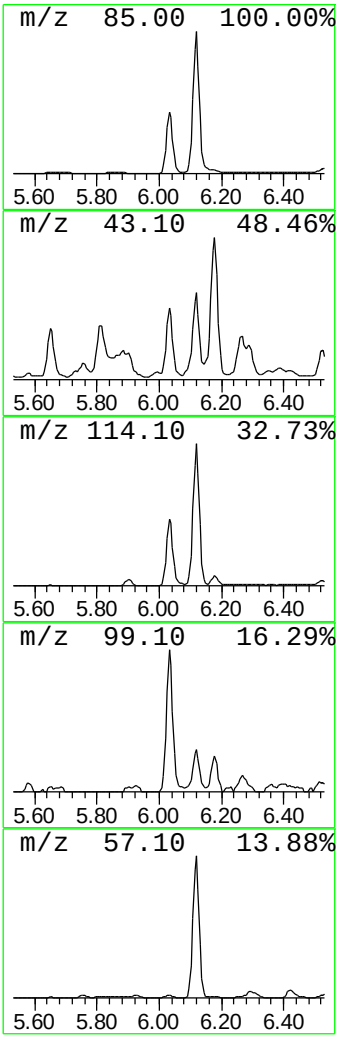
Peak Number 13 Hexan-2,4-dione, enol Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	3.06 ng/ul	356237	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexan-2,4-dione, enol	114	C6H10O2	1000202-23-9	74
2	Propanal, propylhydrazone	114	C6H14N2	019718-39-9	59
3	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	42
4	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	33
5	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	33





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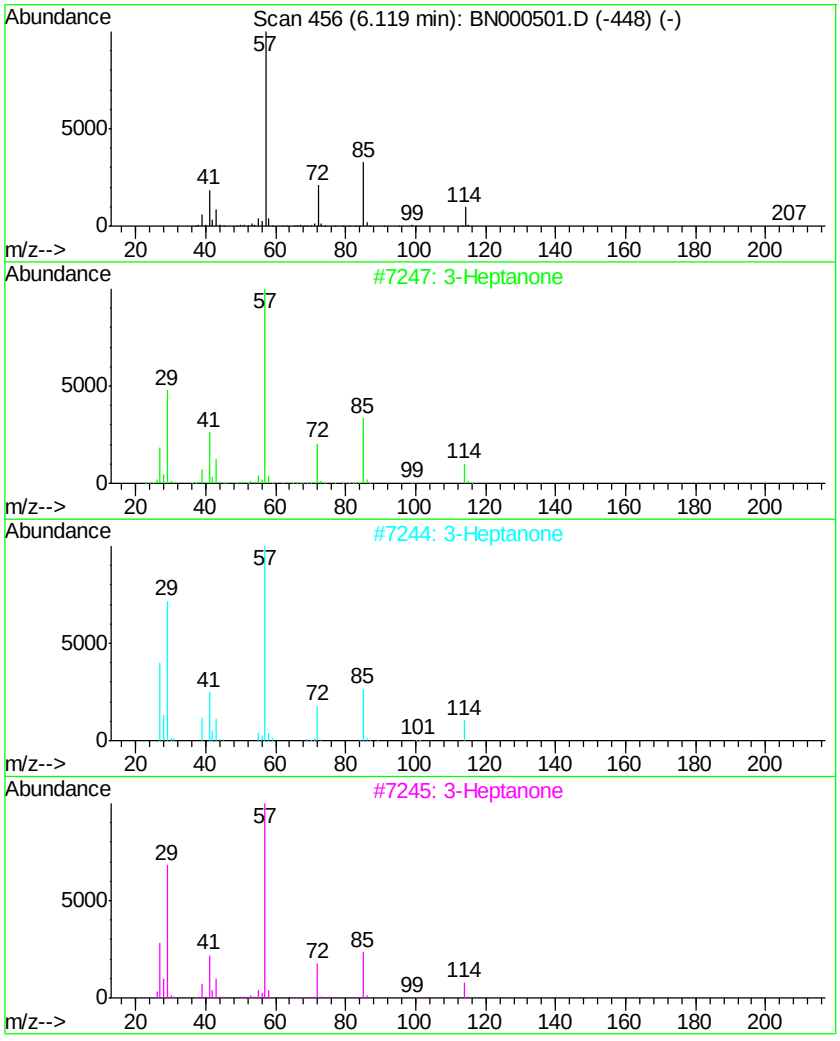
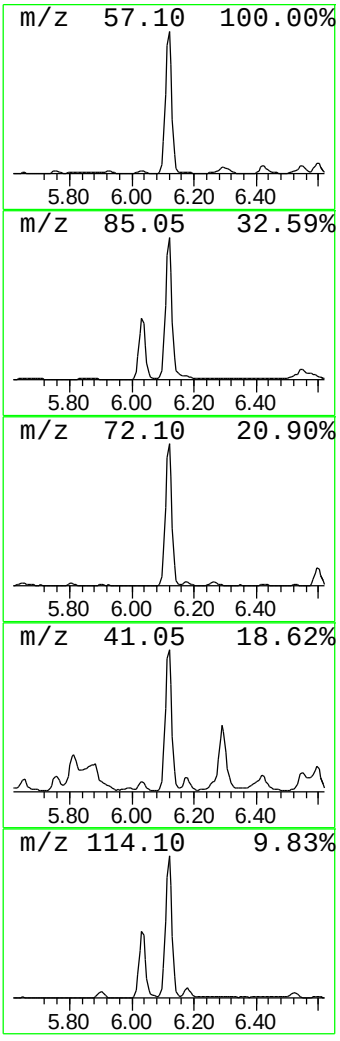
Peak Number 14 3-Heptanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	17.30 ng/ul	2017170	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone	114	C7H14O	000106-35-4	91
2	3-Heptanone	114	C7H14O	000106-35-4	90
3	3-Heptanone	114	C7H14O	000106-35-4	86
4	3,5-Octanedione, 2,2,4,7-tetrame...	198	C12H22O2	1000161-72-3	74
5	3-Heptanone	114	C7H14O	000106-35-4	64





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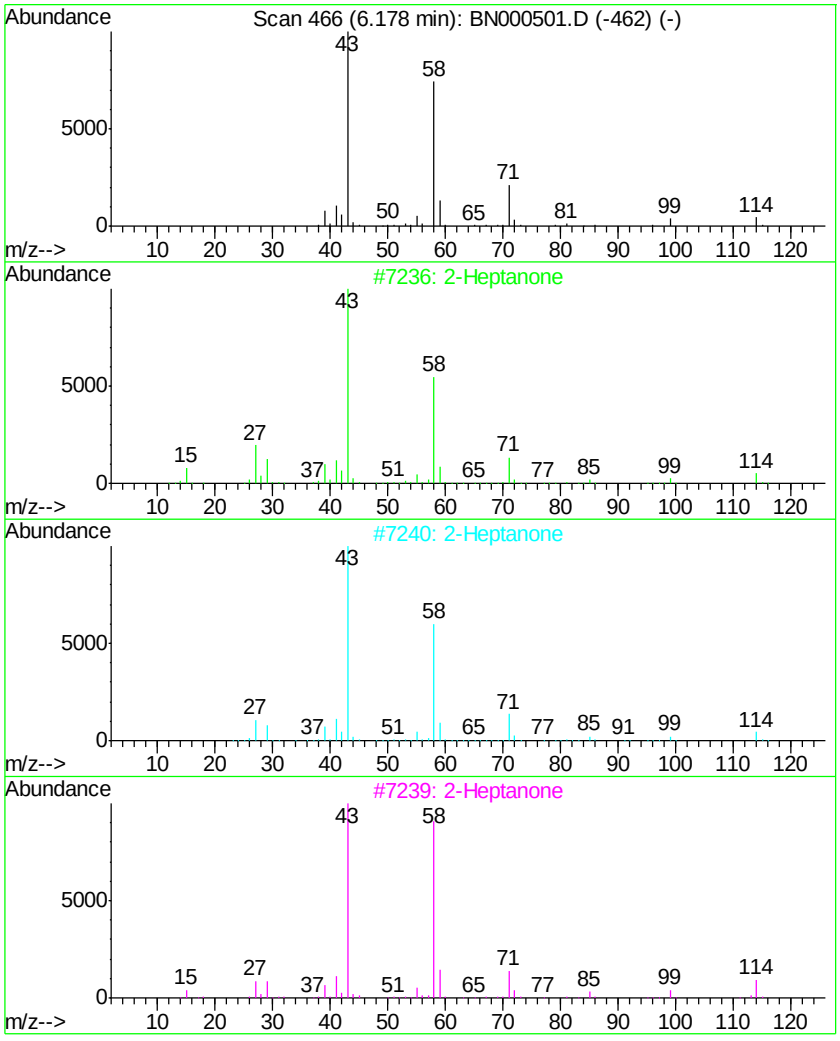
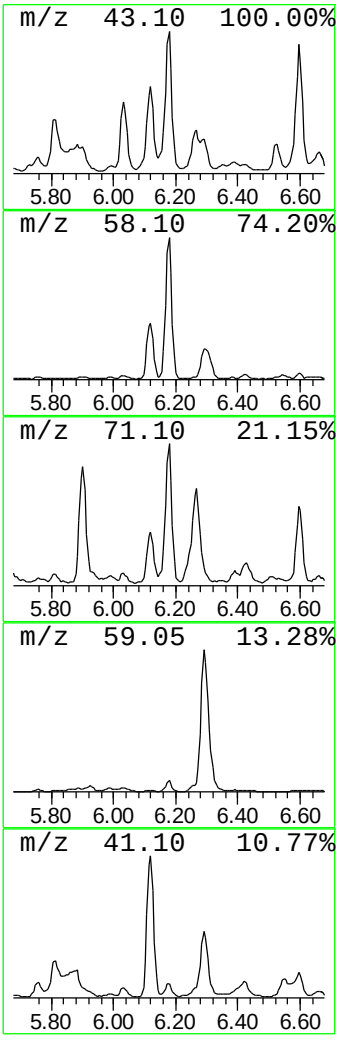
Peak Number 15 2-Heptanone Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	2.88 ng/ul	335197	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	90
2	2-Heptanone	114	C7H14O	000110-43-0	86
3	2-Heptanone	114	C7H14O	000110-43-0	80
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	47





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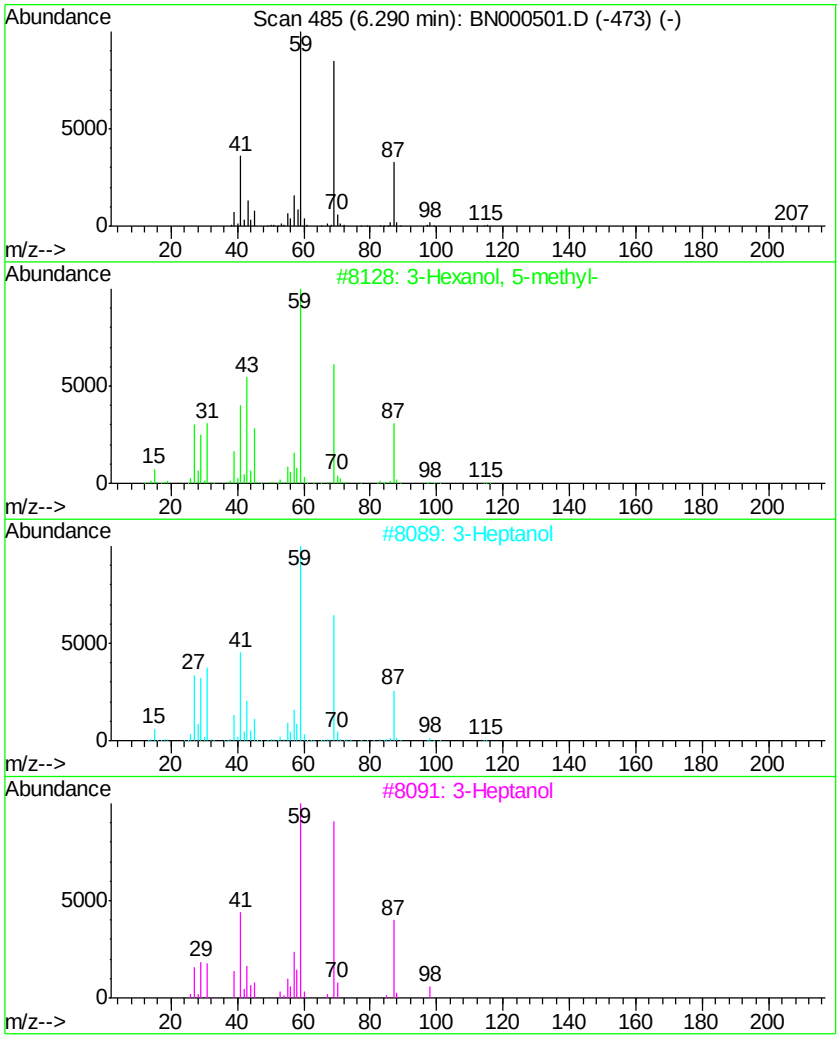
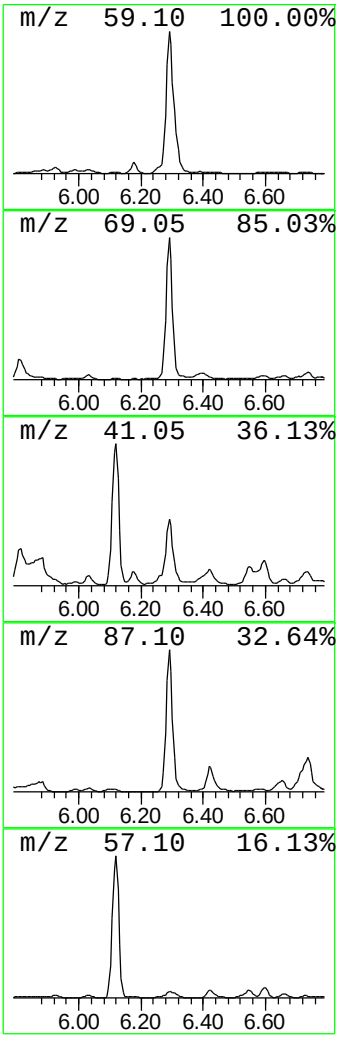
Peak Number 16 3-Hexanol, 5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	8.74 ng/ul	1019490	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	83
2	3-Heptanol	116	C7H16O	000589-82-2	83
3	3-Heptanol	116	C7H16O	000589-82-2	64
4	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	64
5	4-Octanol, 2-methyl-	144	C9H20O	040575-41-5	43





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Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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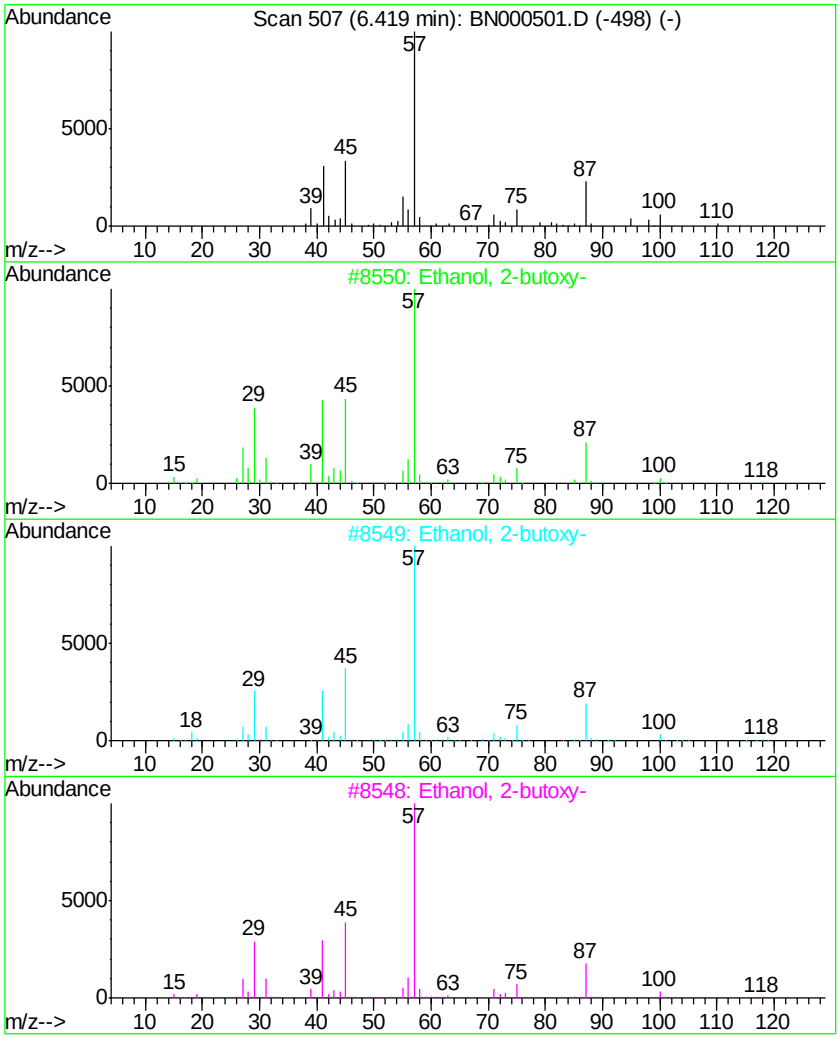
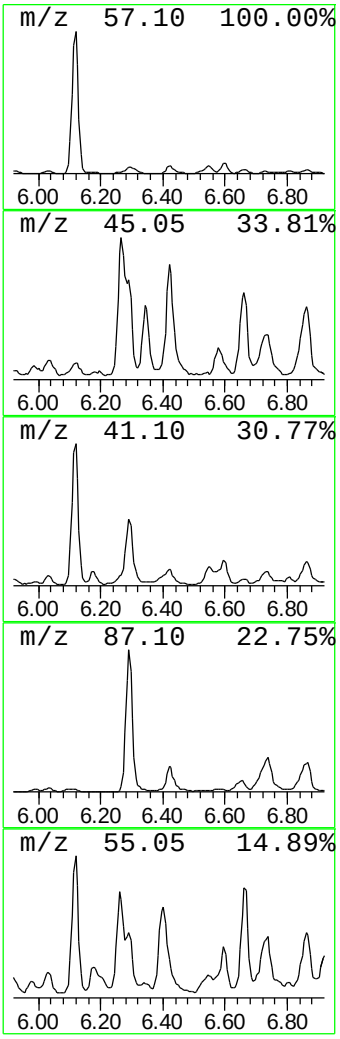
Peak Number 17 Ethanol, 2-butoxy- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	2.80 ng/ul	326286	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	47
4	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	43
5	Propane, 1-methoxy-2,2-dimethyl-	102	C6H14O	001118-00-9	38





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Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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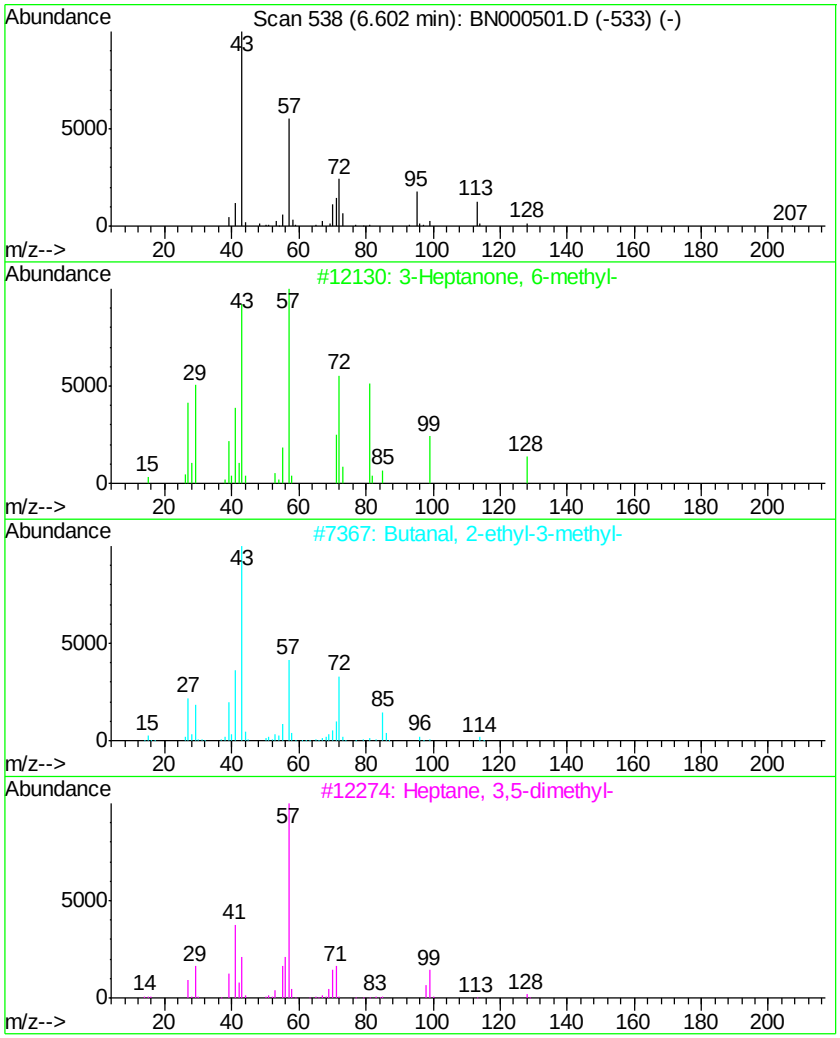
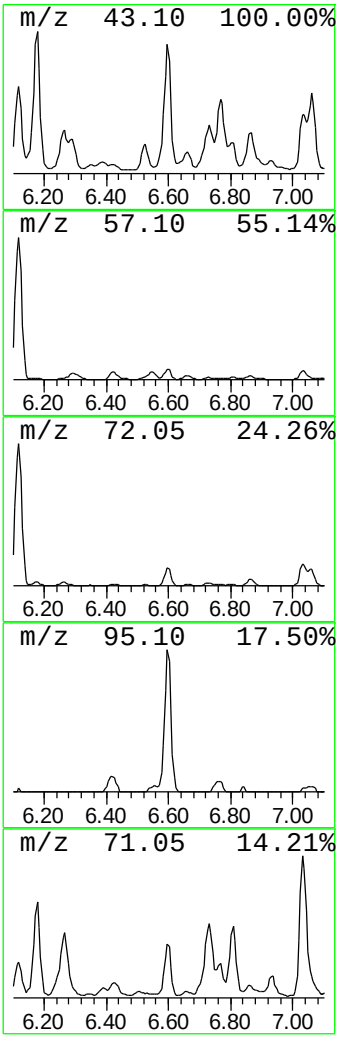
Peak Number 18 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	3.32 ng/ul	386979	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	23
2	Butanal, 2-ethyl-3-methyl-	114	C7H14O	026254-92-2	16
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	14
4	3-Decanone	156	C10H20O	000928-80-3	10
5	Hexanal, 2,2-dimethyl-	128	C8H16O	000996-12-3	10





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Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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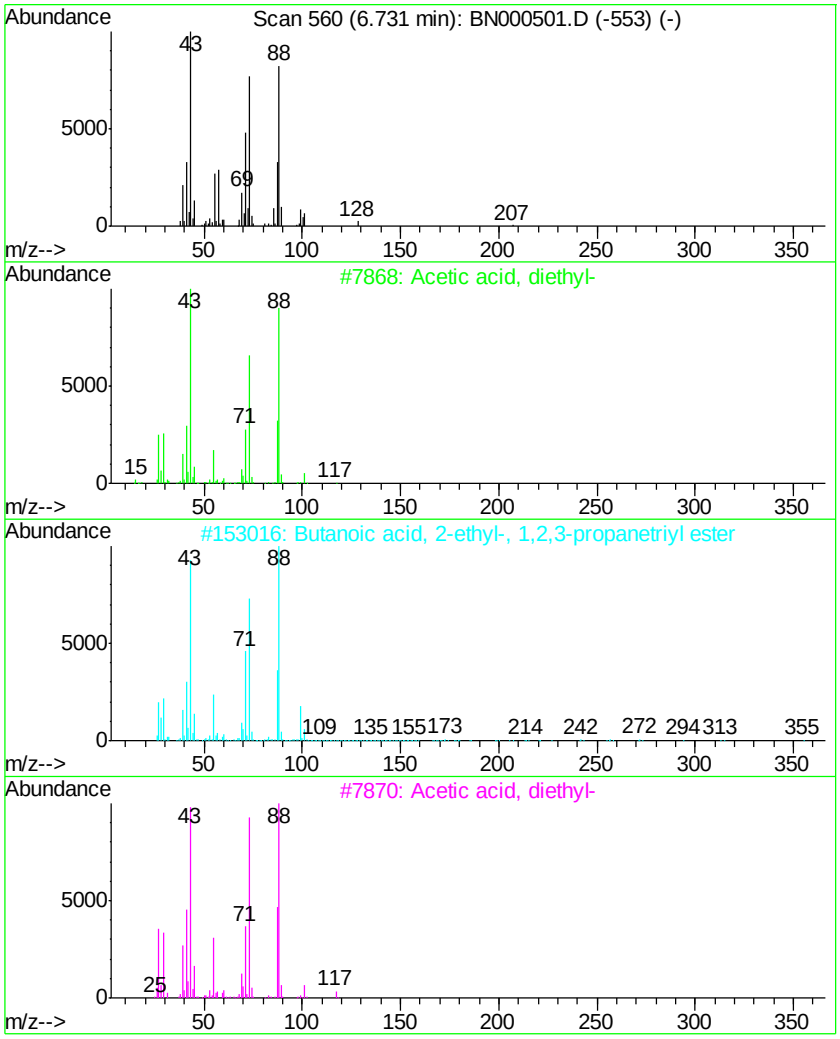
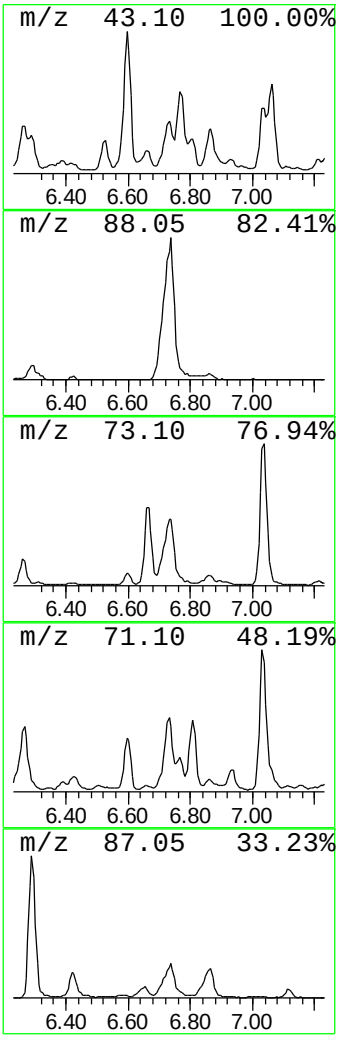
Peak Number 19 Acetic acid, diethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	3.27 ng/ul	380814	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	80
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	80
3	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	64
4	6-(Methylthio)hex-5-en-3-ol	146	C7H14OS	053634-85-8	50
5	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	45





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Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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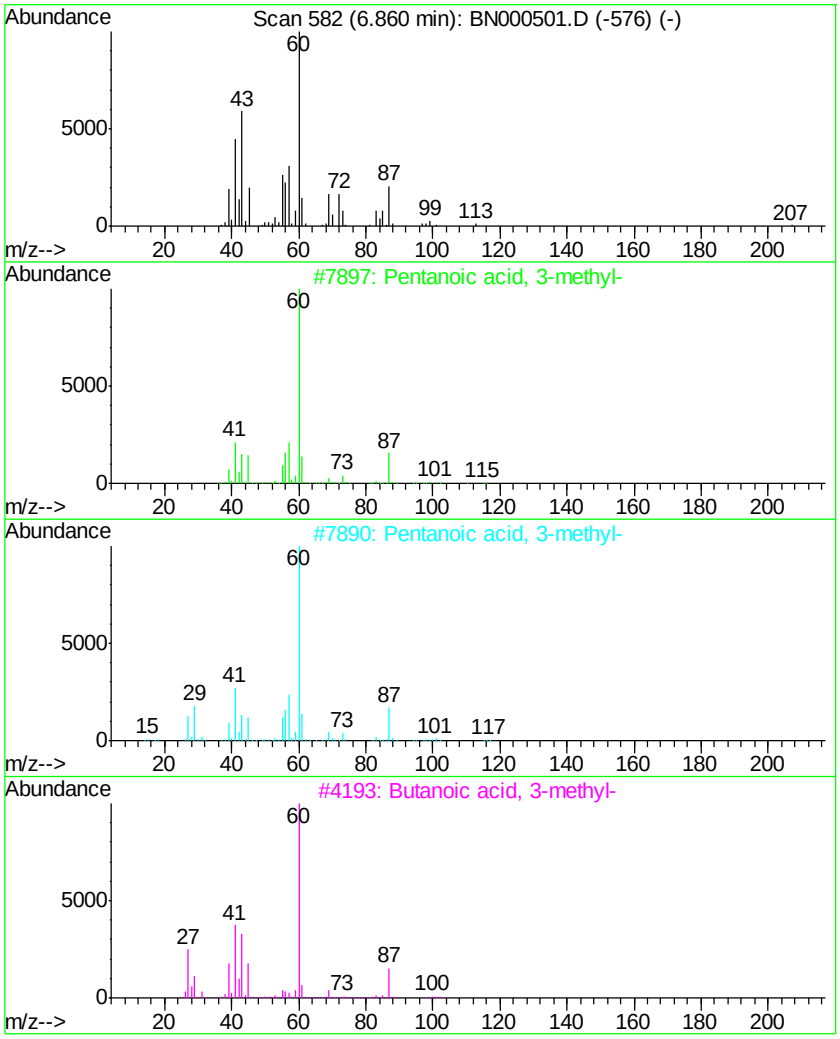
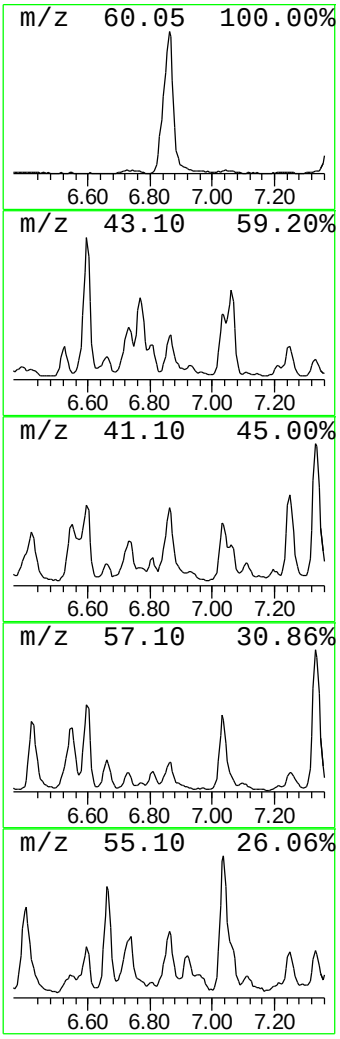
Peak Number 20 Pentanoic acid, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.24 ng/ul	377656	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	59
2	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	59
3	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	45
4	Octanoic Acid	144	C8H16O2	000124-07-2	45
5	Heptanoic acid	130	C7H14O2	000111-14-8	42





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Operator : JU/SJ
Sample : J1956-08
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Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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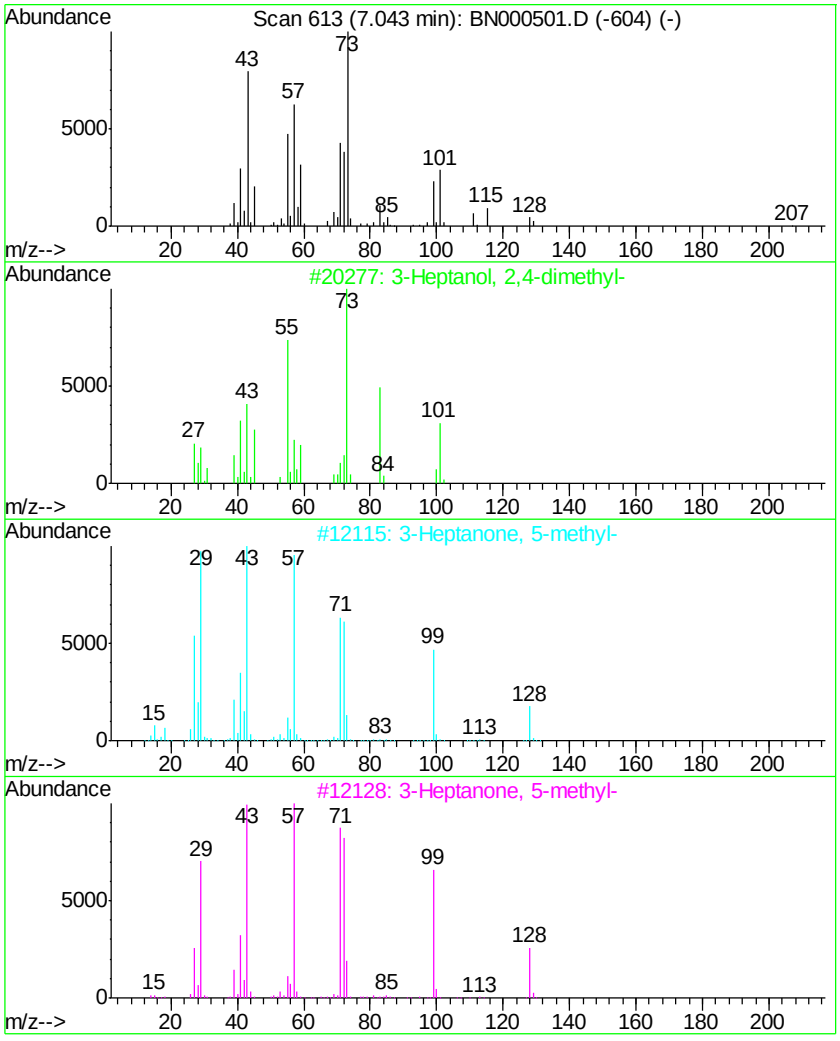
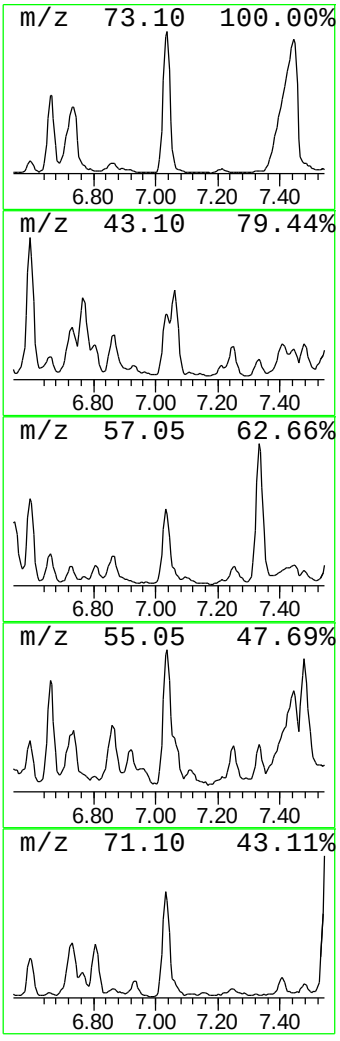
Peak Number 21 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	4.80 ng/ul	559094	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 2,4-dimethyl-	144	C9H20O	019549-72-5	38
2	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	35
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	35
4	3-Octanone	128	C8H16O	000106-68-3	32
5	3-Hexanol, 3,5-dimethyl-	130	C8H18O	004209-91-0	27





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Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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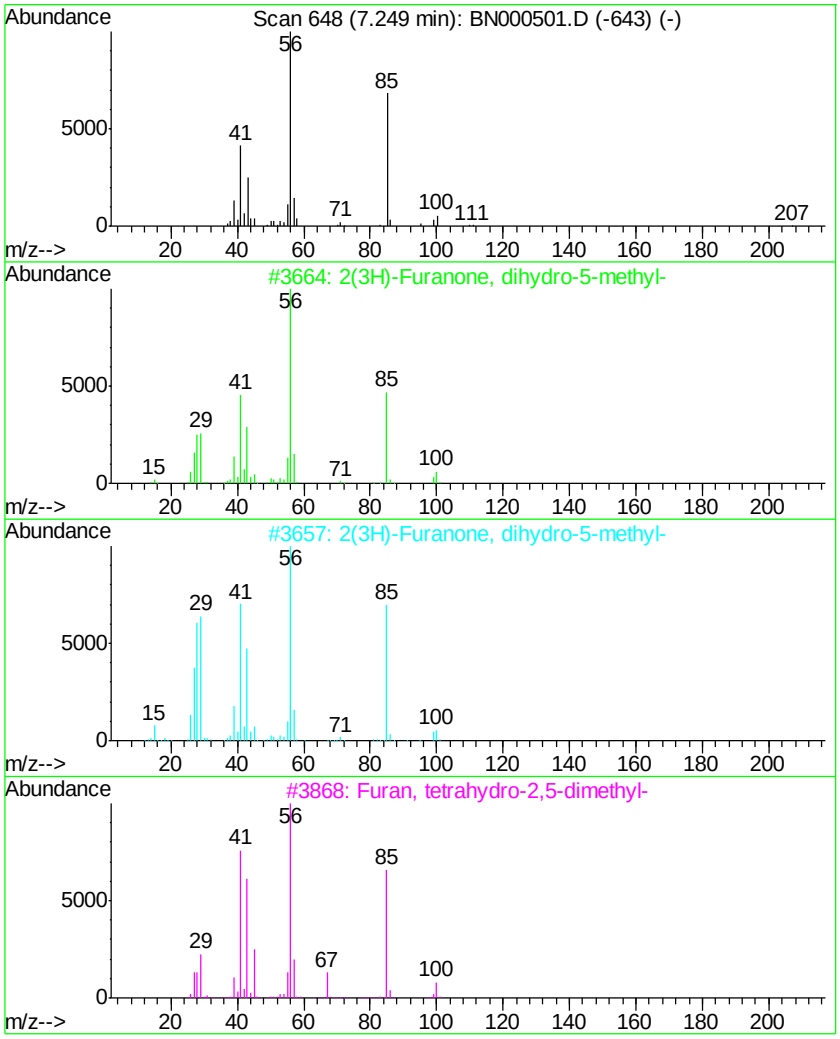
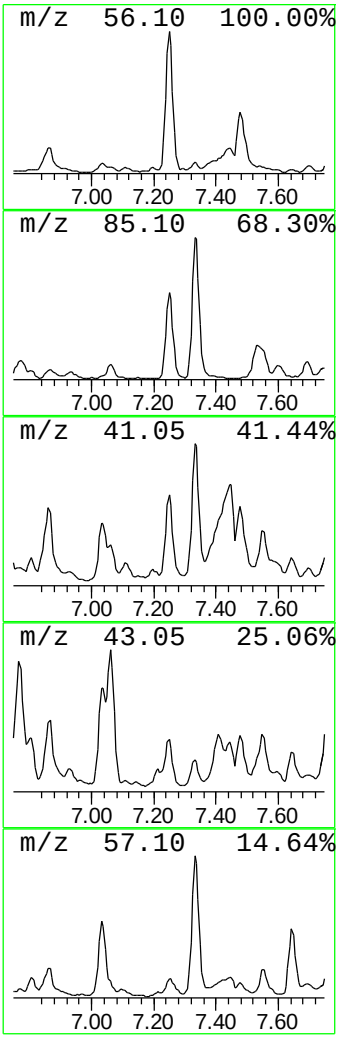
Peak Number 22 2(3H)-Furanone, dihydro-5-m... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	2.35 ng/ul	273587	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	91
2	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	86
3	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	78
4	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	78
5	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	72





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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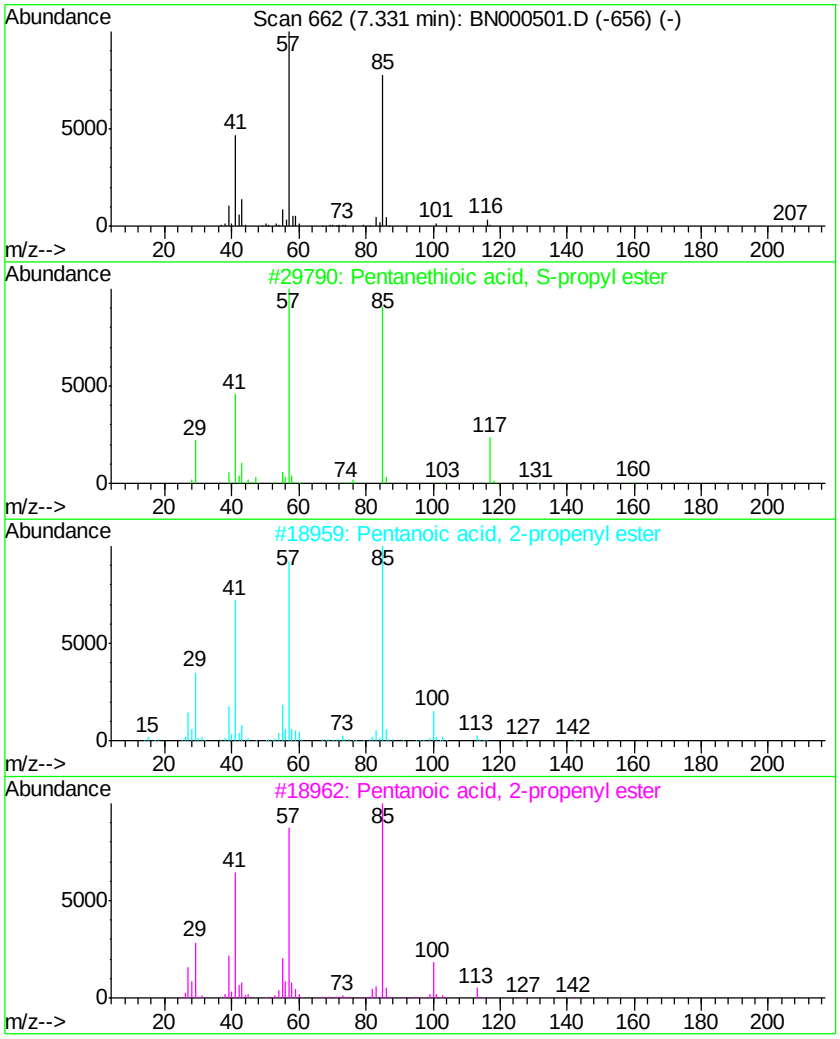
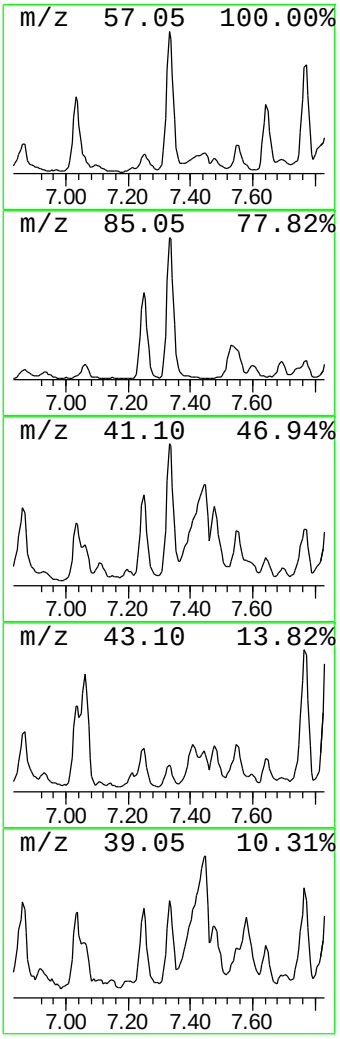
Peak Number 23 Pentanethioic acid, S-propy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	3.00 ng/ul	349851	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanethioic acid, S-propyl ester	160	C8H16OS	002432-76-0	64
2	Pentanoic acid, 2-propenyl ester	142	C8H14O2	006321-45-5	56
3	Pentanoic acid, 2-propenyl ester	142	C8H14O2	006321-45-5	50
4	Thiazole	85	C3H3NS	000288-47-1	45
5	Pentanethioic acid, S-ethyl ester	146	C7H14OS	002432-92-0	40





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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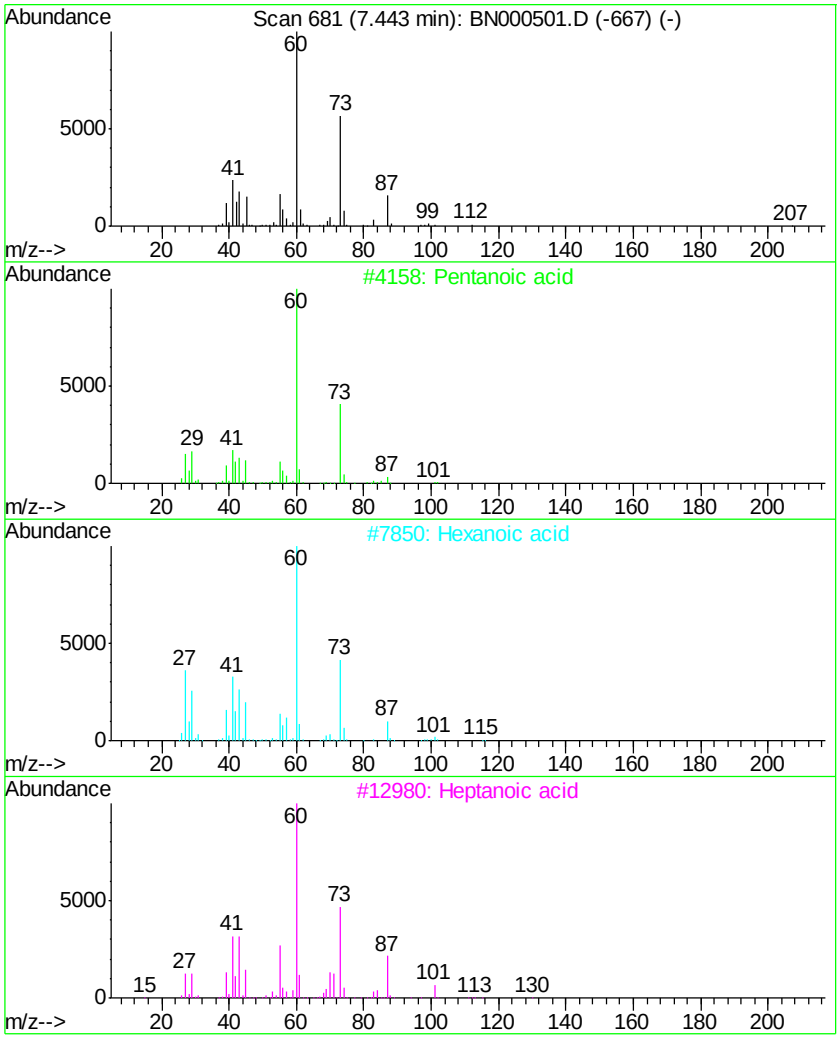
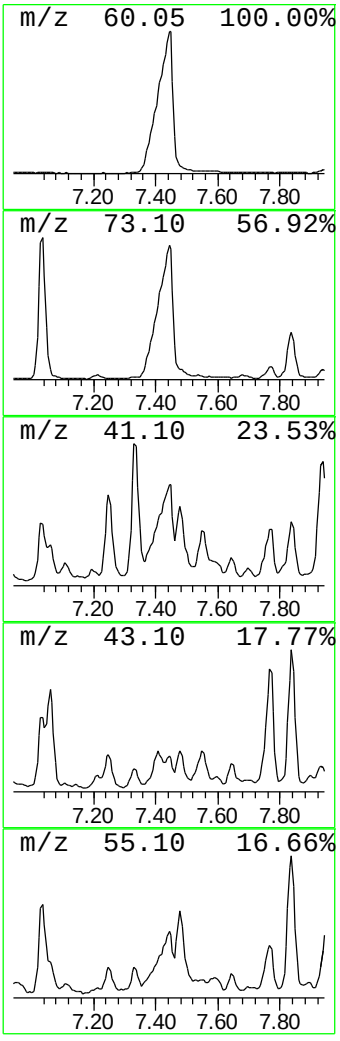
Peak Number 24 Pentanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	8.31 ng/ul	968361	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid	102	C5H10O2	000109-52-4	78
2	Hexanoic acid	116	C6H12O2	000142-62-1	78
3	Heptanoic acid	130	C7H14O2	000111-14-8	74
4	Hexanoic acid	116	C6H12O2	000142-62-1	74
5	Hexanoic acid	116	C6H12O2	000142-62-1	64





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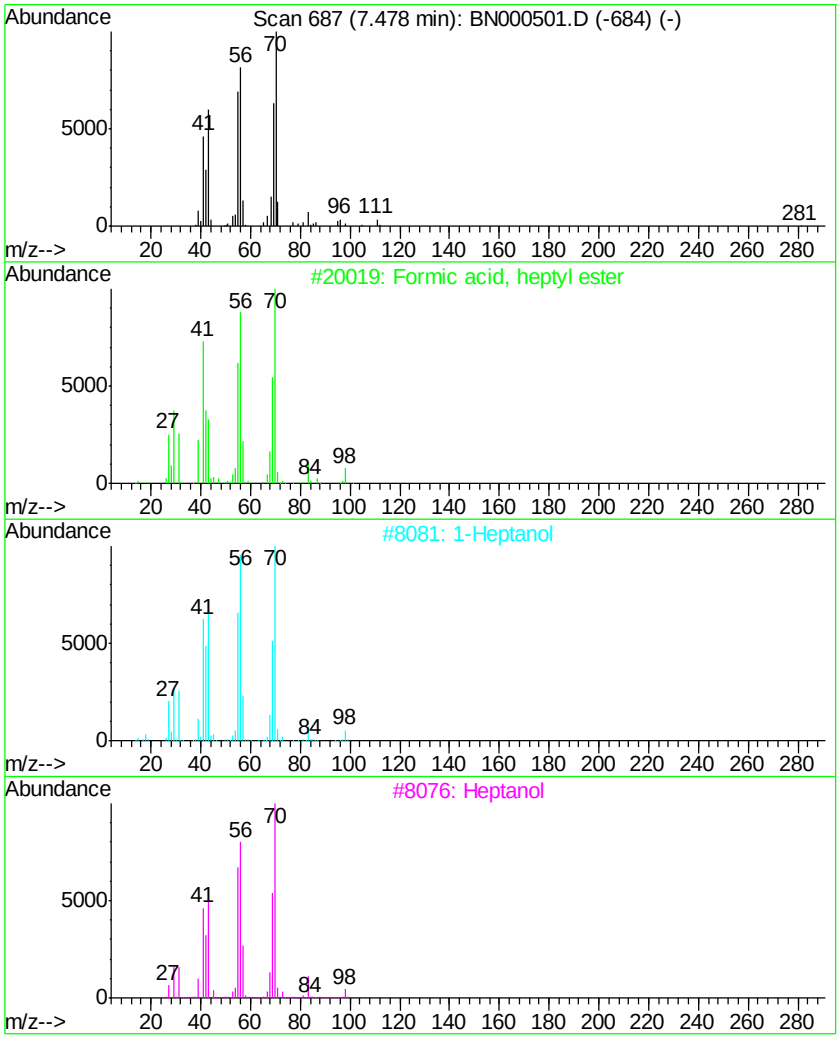
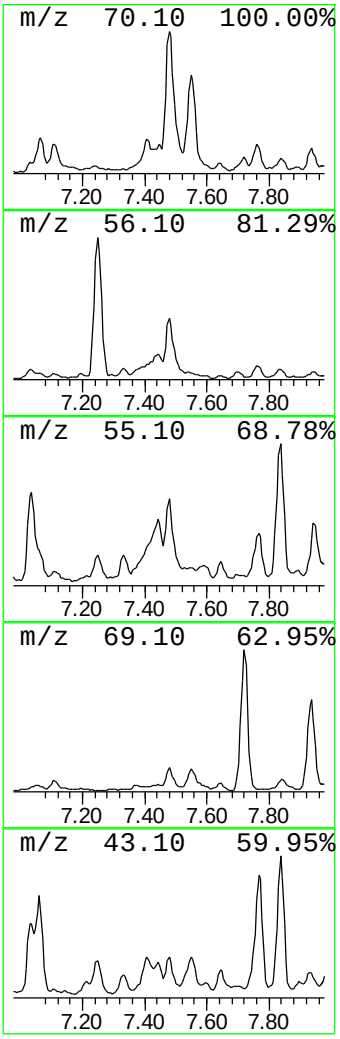
Peak Number 25 Formic acid, heptyl ester Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	2.13 ng/ul	248218	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, heptyl ester	144	C8H16O2	000112-23-2	78
2	1-Heptanol	116	C7H16O	000111-70-6	78
3	Heptanol	116	C7H16O	053535-33-4	78
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	64
5	1-Heptanol	116	C7H16O	000111-70-6	64





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Peak Number 26 unknown-04 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	2.39 ng/ul	279060	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Pyrrolidinedione	99	C4H5NO2	000123-56-8	45
2	Formaldehyde, dipropylhydrazone	128	C7H16N2	054253-56-4	39
3	5-Amino-3-methyl-1,2,4-oxadiazole	99	C3H5N3O	003663-39-6	9
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
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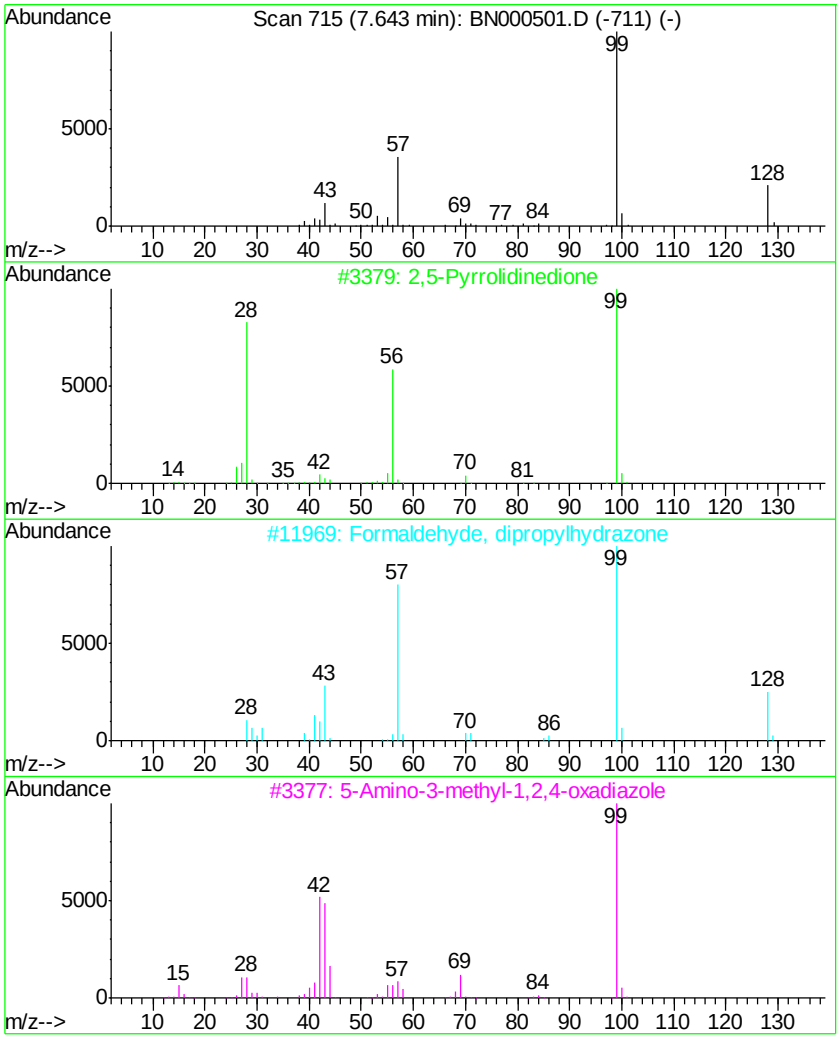

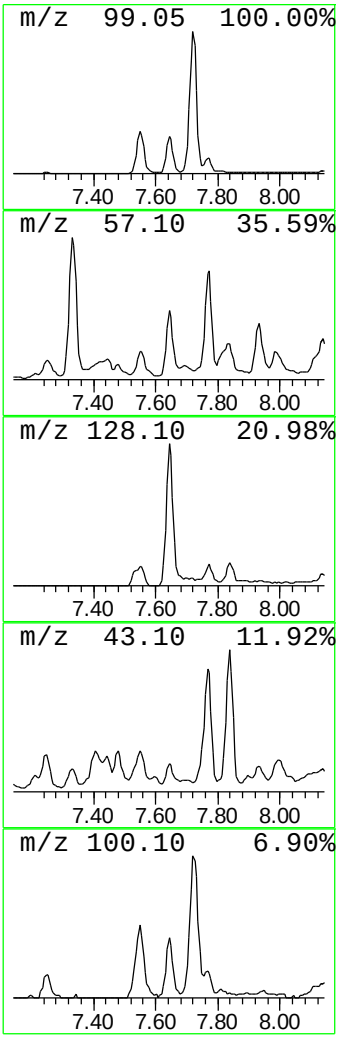

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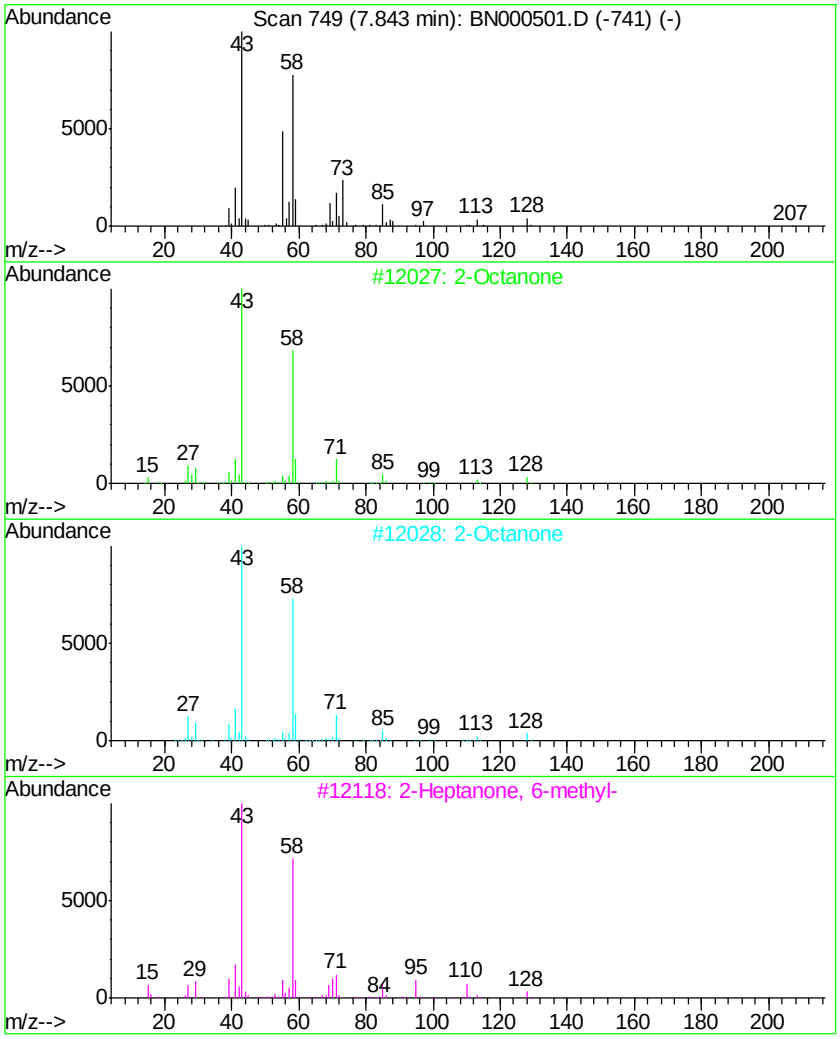
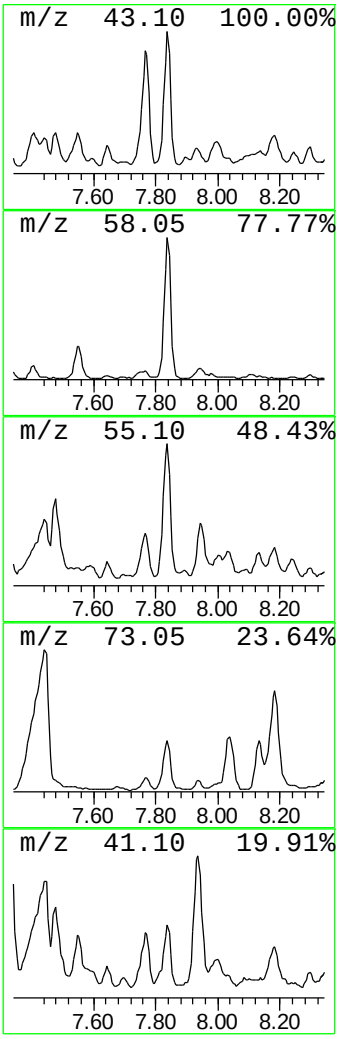
Peak Number 27 2-Octanone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	3.86 ng/ul	449901	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	76
2	2-Octanone	128	C8H16O	000111-13-7	76
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
4	2-Octanone	128	C8H16O	000111-13-7	68
5	2-Octanone	128	C8H16O	000111-13-7	64





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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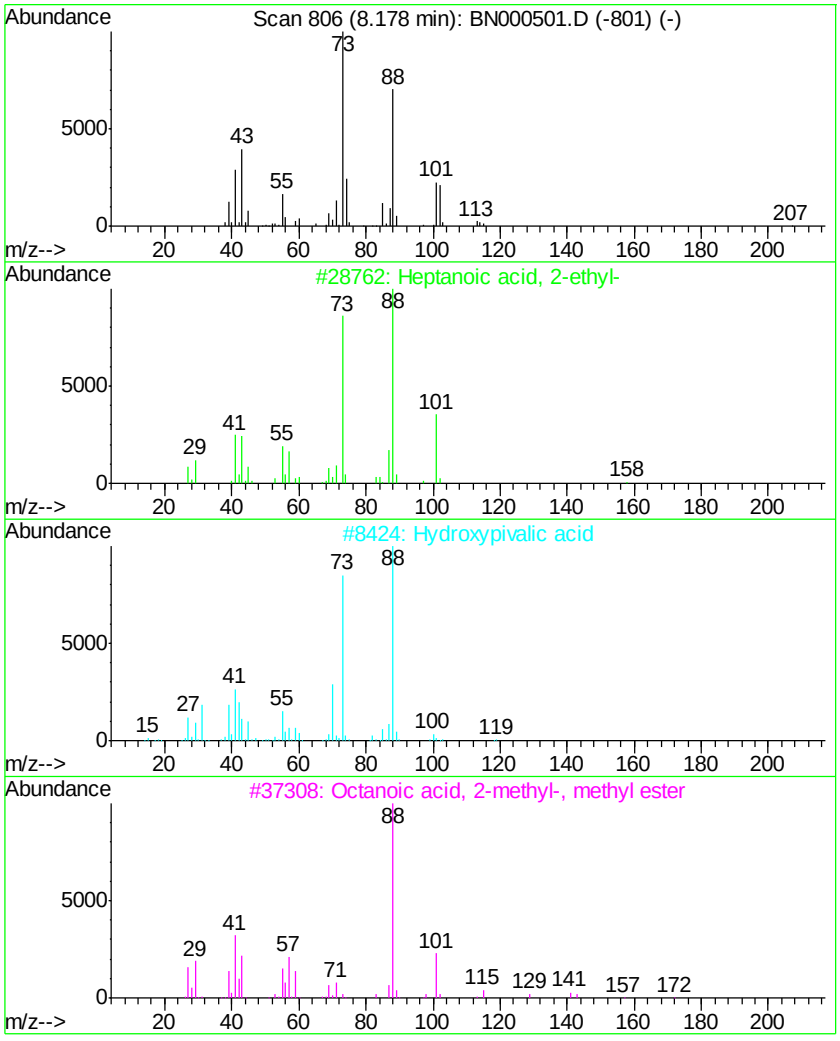
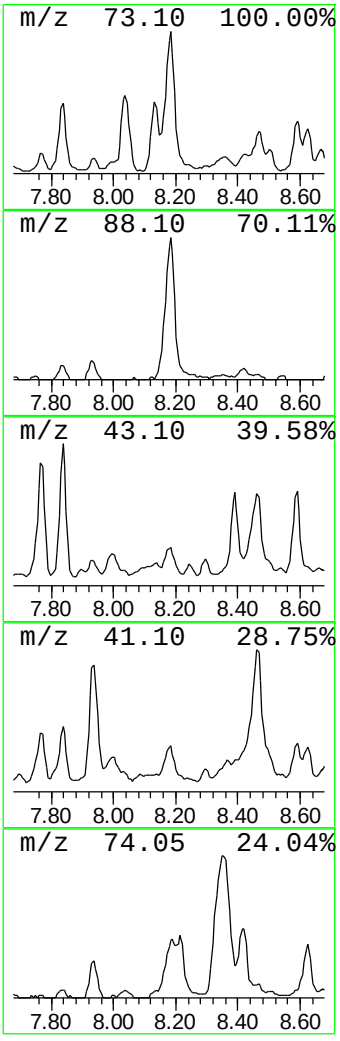
Peak Number 28 unknown-05 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	2.37 ng/ul	276381	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	47
2	Hydroxypivalic acid	118	C5H10O3	004835-90-9	43
3	Octanoic acid, 2-methyl-, methyl...	172	C10H20O2	002177-86-8	23
4	1,4-Dioxane	88	C4H8O2	000123-91-1	22
5	dl-Aspartic acid	133	C4H7NO4	000617-45-8	17





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Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

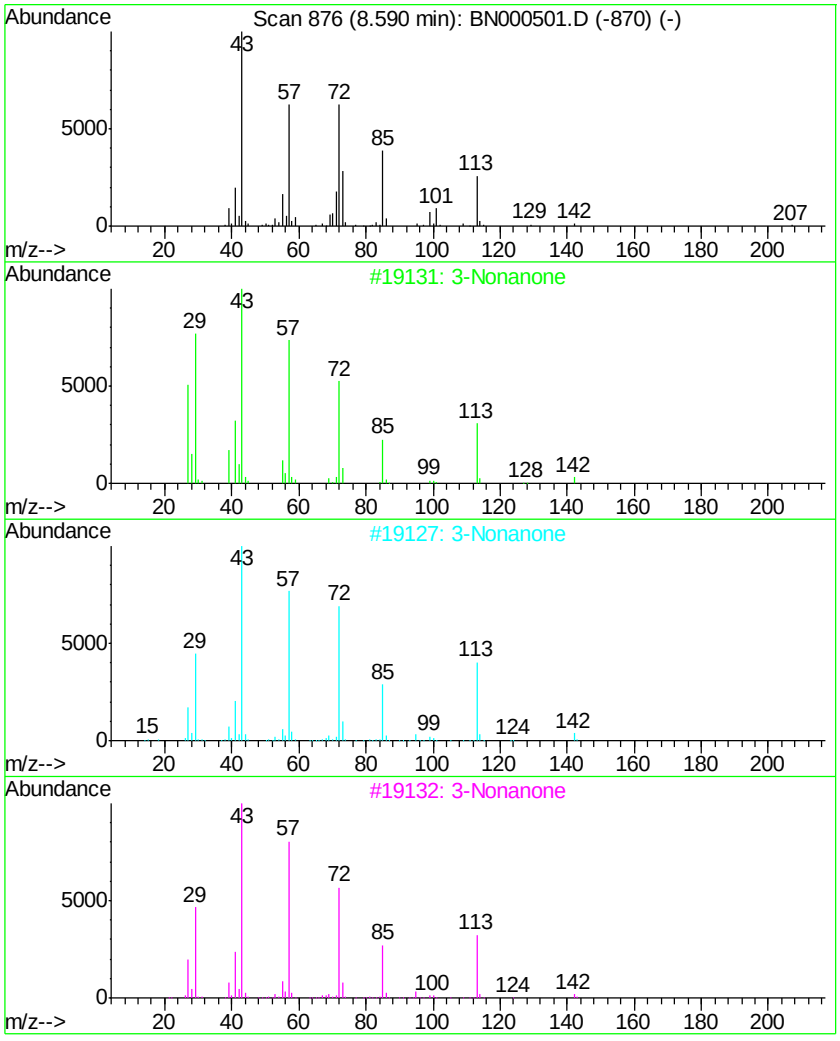
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

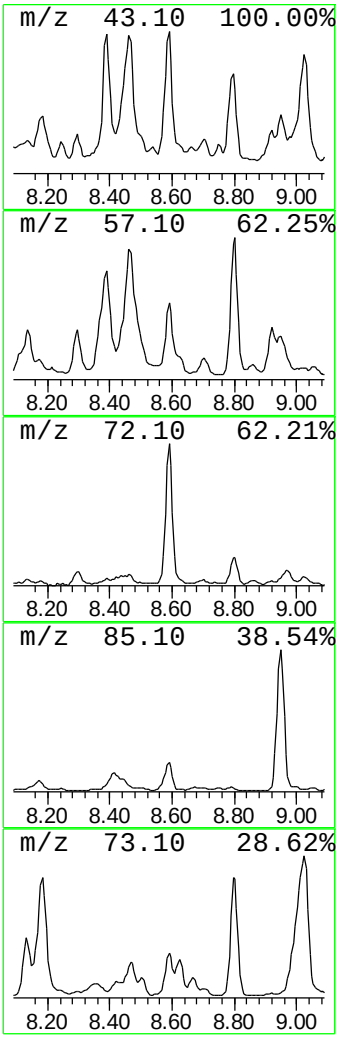
****

Peak Number 29 unknown-06 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	2.75 ng/ul	321026	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonanone	142	C9H18O	000925-78-0	47
2	3-Nonanone	142	C9H18O	000925-78-0	47
3	3-Nonanone	142	C9H18O	000925-78-0	43
4	3-Nonanone	142	C9H18O	000925-78-0	38
5	2-Hexanone, 3,4-dimethyl-	128	C8H16O	019550-10-8	22





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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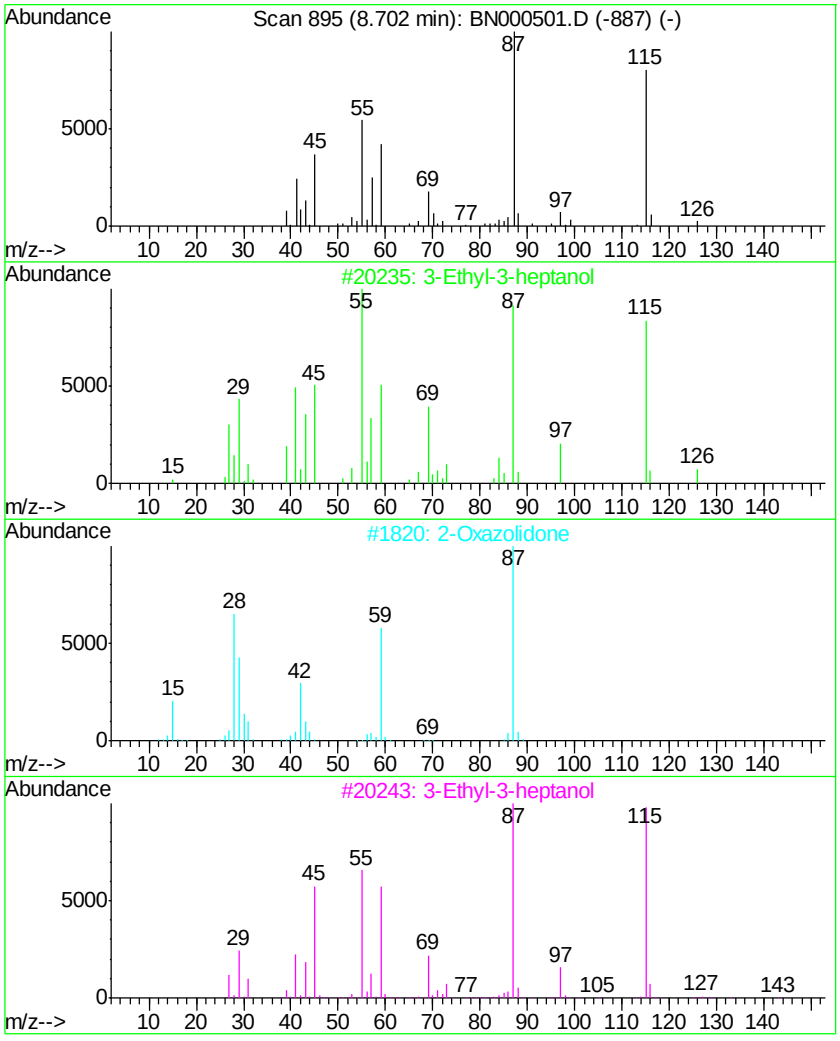
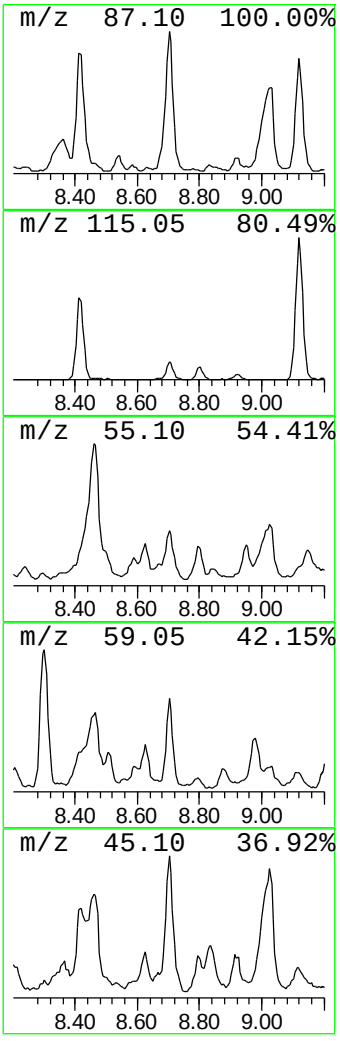
Peak Number 30 3-Ethyl-3-heptanol Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	3.02 ng/ul	352265	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-heptanol	144	C9H20O	019780-41-7	64
2	2-Oxazolidone	87	C3H5NO2	000497-25-6	43
3	3-Ethyl-3-heptanol	144	C9H20O	019780-41-7	43
4	Hexane, 3-methoxy-3-methyl-	130	C8H18O	074630-91-4	37
5	3-Ethyl-3-heptanol	144	C9H20O	019780-41-7	32





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

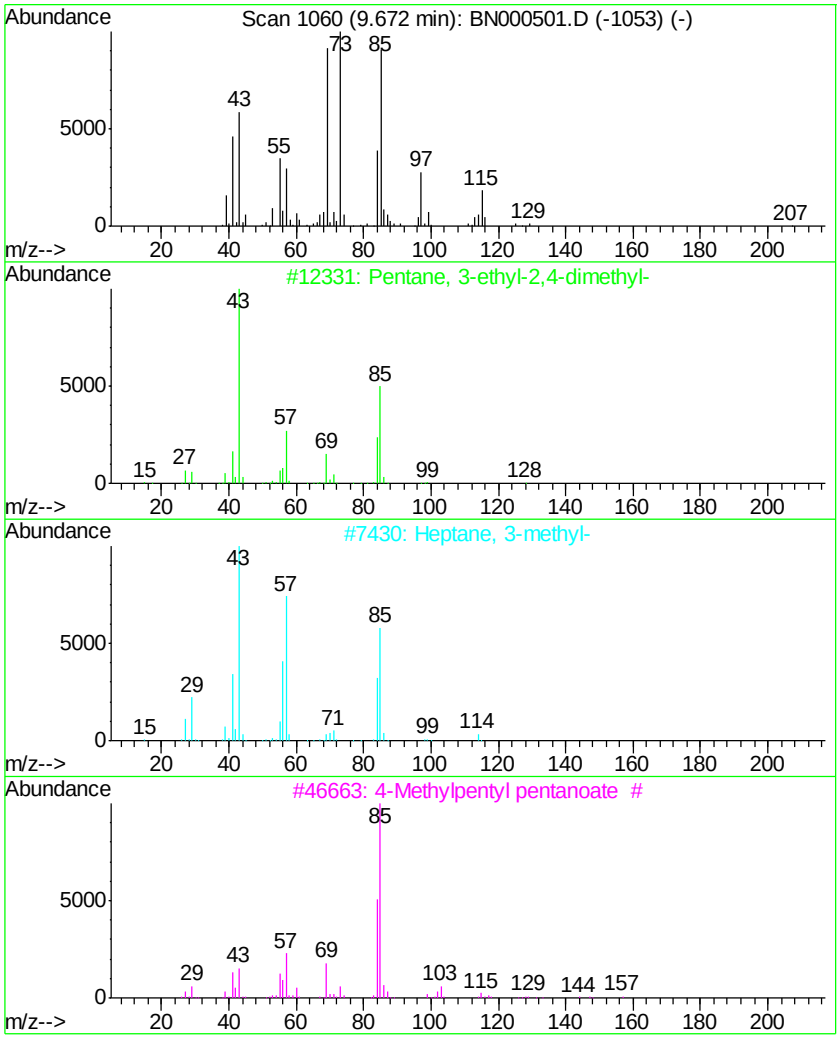
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

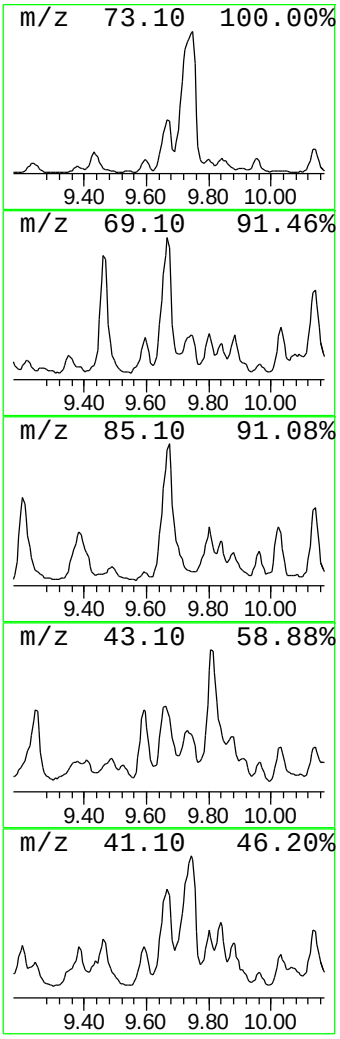
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	4.94 ng/ul	576218	1,4-Dichlorobenzene-d4	8.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	35
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	35
3	4-Methylpentyl pentanoate #	186	C11H22O2	035852-47-2	35
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	30
5	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	27





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_N\DATA\BN032018\
Data File : BN000501.D
Acq On : 20 Mar 2018 20:11
Operator : JU/SJ
Sample : J1956-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C1022

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Pentanone	3.47	15.4	ng/ul	1792520	1	8.41	2331760	20.0
2-Pentanone, 3-me...	4.15	7.6	ng/ul	888717	1	8.41	2331760	20.0
3-Pentanol, 3-met...	4.18	2.3	ng/ul	270590	1	8.41	2331760	20.0
1-Pentanol	4.30	5.9	ng/ul	685032	1	8.41	2331760	20.0
3-Penten-2-one, 4...	4.51	2.5	ng/ul	285190	1	8.41	2331760	20.0
3-Hexanone	4.57	15.0	ng/ul	1754060	1	8.41	2331760	20.0
3-Hexanol	4.73	2.8	ng/ul	320110	1	8.41	2331760	20.0
Butanoic acid, 2-...	5.31	2.3	ng/ul	271230	1	8.41	2331760	20.0
unknown-01	5.41	3.6	ng/ul	418487	1	8.41	2331760	20.0
3-Pentanol, 3-ethyl-	5.75	2.4	ng/ul	277071	1	8.41	2331760	20.0
Hexyl chloroformate	5.81	4.5	ng/ul	525907	1	8.41	2331760	20.0
Hexan-2,4-dione, ...	6.03	3.1	ng/ul	356237	1	8.41	2331760	20.0
3-Heptanone	6.12	17.3	ng/ul	2017170	1	8.41	2331760	20.0
2-Heptanone	6.18	2.9	ng/ul	335197	1	8.41	2331760	20.0
3-Hexanol, 5-methyl-	6.29	8.7	ng/ul	1019490	1	8.41	2331760	20.0
Ethanol, 2-butoxy-	6.42	2.8	ng/ul	326286	1	8.41	2331760	20.0
unknown-02	6.60	3.3	ng/ul	386979	1	8.41	2331760	20.0
Acetic acid, diet...	6.73	3.3	ng/ul	380814	1	8.41	2331760	20.0
Pentanoic acid, 3...	6.86	3.2	ng/ul	377656	1	8.41	2331760	20.0
unknown-03	7.04	4.8	ng/ul	559094	1	8.41	2331760	20.0
2(3H)-Furanone, d...	7.25	2.4	ng/ul	273587	1	8.41	2331760	20.0
Pentanethioic aci...	7.33	3.0	ng/ul	349851	1	8.41	2331760	20.0
Pentanoic acid	7.44	8.3	ng/ul	968361	1	8.41	2331760	20.0
Formic acid, hept...	7.48	2.1	ng/ul	248218	1	8.41	2331760	20.0
unknown-04	7.64	2.4	ng/ul	279060	1	8.41	2331760	20.0
2-Octanone	7.84	3.9	ng/ul	449901	1	8.41	2331760	20.0
unknown-05	8.18	2.4	ng/ul	276381	1	8.41	2331760	20.0
unknown-06	8.59	2.8	ng/ul	321026	1	8.41	2331760	20.0
3-Ethyl-3-heptanol	8.70	3.0	ng/ul	352265	1	8.41	2331760	20.0
(DEL) Alkane: Str...	9.67	4.9	ng/ul	576218	1	8.41	2331760	20.0