LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.167	5	7	19	rVB2	30879	79617	1.48%	0.126%
2	4.327	193	196	202	rBV	46181	70190	1.30%	0.111%
3	4.876	241	244	246	rBV	473871	703910	13.06%	1.110%
4	5.310	280	282	285	rBV	1536098	1534892	28.48%	2.420%
5	5.459	291	295	297	rBV2	33144	61351	1.14%	0.097%
6	5.710	314	317	320	rVB2	74679	120967	2.24%	0.191%
7	5.859	327	330	332	rVB	123621	122844	2.28%	0.194%
8	5.916	332	335	337	rBV2	44800	109651	2.03%	0.173%
9	5.961	337	339	342	rVB2	158925	239545	4.44%	0.378%
10	6.019	342	344	345	rBV	208278	198721	3.69%	0.313%
11	6.041	345	346	353	rVB3	81748	230320	4.27%	0.363%
12	6.144	353	355	357	rBV2	91917	147423	2.74%	0.232%
13	6.213	359	361	362	rBV	174978	179709	3.33%	0.283%
14	6.236	362	363	368	rVB2	212799	359567	6.67%	0.567%
15	6.361	368	374	377	rBV	1159499	1727137	32.05%	2.723%
16	6.419	377	379	382	rVV3	237312	660379	12.25%	1.041%
17	6.487	382	385	390	rVV	3380635	3540976	65.70%	5.583%
18	6.579	390	393	394	rVV2	174274	244735	4.54%	0.386%
19	6.659	394	400	404	rVV	281841	548344	10.17%	0.865%
20	6.716	404	405	406	rVV	985555	999781	18.55%	1.576%
21	6.750	406	408	409	rVB	716144	863920	16.03%	1.362%
22	6.796	409	412	415	rBV	666241	1073489	19.92%	1.692%
23	6.876	415	419	421	rVV2	3263674	5012481	93.00%	7.903%
24	6.956	423	426	427	rBV2	82352	153194	2.84%	0.242%
25	7.002	427	430	434	rVB	1313907	1802421	33.44%	2.842%
26	7.070	434	436	439	rBV	769318	935325	17.35%	1.475%
27	7.162	443	444	449	rVB2	492108	823104	15.27%	1.298%
28	7.242	449	451	452	rBV	181593	234237	4.35%	0.369%
29	7.287	452	455	458	rVV	1968375	2213761	41.08%	3.490%
30	7.333	458	459	461	rVB	161621	144706	2.68%	0.228%
31	7.367	461	462	463	rBV	115983	106768	1.98%	0.168%
32	7.447	463	469	471	rBV2	218468	567506	10.53%	0.895%
33	7.493	471	473	475	rVB2	270426	401261	7.45%	0.633%
34	7.527	475	476	478	rBV2	139966	234705	4.35%	0.370%

LSC Area Percent Report

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Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.562	478	479	483	rVB3	176802	238527	4.43%	0.376%
36	7.664	486	488	489	rBV2	31020	62730	1.16%	0.099%
37	7.699	489	491	494	rBV2	150611	328345	6.09%	0.518%
38	7.756	494	496	498	rVV	1126656	1804843	33.49%	2.845%
39	7.790	498	499	505	rVB3	1262719	2609719	48.42%	4.114%
40	7.893	505	508	509	rBV2	107471	254520	4.72%	0.401%
41	7.927	509	511	512	rVV	244237	290058	5.38%	0.457%
42	7.962	512	514	515	rVB2	183824	217607	4.04%	0.343%
43	8.007	515	518	523	rVB	1533163	1968460	36.52%	3.103%
44	8.076	523	524	528	rBV2	91676	237542	4.41%	0.375%
45	8.145	528	530	531	rBV	70241	114734	2.13%	0.181%
46	8.167	531	532	534	rVB	105913	143480	2.66%	0.226%
47	8.213	534	536	538	rBV2	130252	161671	3.00%	0.255%
48	8.270	538	541	543	rVB4	82525	156270	2.90%	0.246%
49	8.316	543	545	546	rBV	61901	104474	1.94%	0.165%
50	8.362	546	549	550	rVV	493197	636023	11.80%	1.003%
51	8.396	550	552	553	rVV	726033	779220	14.46%	1.229%
52	8.430	553	555	558	rVB	308923	449200	8.33%	0.708%
53	8.487	558	560	561	rBV	298144	417707	7.75%	0.659%
54	8.522	561	563	564	rVV	482708	529313	9.82%	0.835%
55	8.590	567	569	570	rVV2	140745	147467	2.74%	0.232%
56	8.625	570	572	577	rVB	104818	200114	3.71%	0.315%
57	8.716	577	580	582	rBV2	181536	349890	6.49%	0.552%
58	8.830	585	590	592	rBV	1232304	1531876	28.42%	2.415%
59	8.899	592	596	598	rVV	342539	676300	12.55%	1.066%
60	8.945	598	600	605	rVV4	393056	1175449	21.81%	1.853%
61	9.093	609	613	615	rVV	4593659	5389549	100.00%	8.497%
62	9.127	615	616	618	rVB2	210232	199301	3.70%	0.314%
63	9.265	627	628	630	rVB2	71991	67113	1.25%	0.106%
64	9.310	630	632	634	rVV	129689	136842	2.54%	0.216%
65	9.345	634	635	639	rVB3	69339	171482	3.18%	0.270%
66	9.413	639	641	642	rVB	78708	60669	1.13%	0.096%
67	9.528	650	651	653	rBV	106935	129229	2.40%	0.204%
68	9.619	657	659	661	rVB	55032	69612	1.29%	0.110%
69	9.676	662	664	669	rVB3	40621	67002	1.24%	0.106%
70	9.756	669	671	674	rBV	1220521	1682810	31.22%	2.653%
71	9.870	680	681	685	rVB	68882	81236	1.51%	0.128%

LSC Area Percent Report

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Operator : UM/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.985	689	691	694	rBV	198673	224664	4.17%	0.354%
73	10.293	716	718	723	rVB4	38256	88550	1.64%	0.140%
74	10.556	738	741	743	rBV	2506839	2957407	54.87%	4.663%
75	10.693	750	753	756	rBV2	35093	107525	2.00%	0.170%
76	10.773	758	760	761	rBV	63414	69851	1.30%	0.110%
77	10.808	761	763	764	rBV	71847	65790	1.22%	0.104%
78	10.922	771	773	775	rBV2	60701	105565	1.96%	0.166%
79	11.048	782	784	787	rBV2	36699	63604	1.18%	0.100%
80	11.242	799	801	805	rVB	1747954	1595788	29.61%	2.516%
81	11.608	831	833	839	rVB	52789	118921	2.21%	0.187%
82	11.711	839	842	846	rBV6	24804	83116	1.54%	0.131%
83	12.294	890	893	899	rBV4	29970	93443	1.73%	0.147%
84	12.831	937	940	943	rBV	4209558	4468524	82.91%	7.045%
85	13.208	971	973	975	rBV	98923	118928	2.21%	0.187%
86	13.802	1023	1025	1029	rBV3	45061	126993	2.36%	0.200%
87	13.882	1029	1032	1034	rBV	923046	1329582	24.67%	2.096%
88	14.054	1044	1047	1051	rBV3	43259	133082	2.47%	0.210%
89	14.157	1055	1056	1064	rVV5	32957	114416	2.12%	0.180%
90	14.568	1091	1092	1095	rBV	30540	60081	1.11%	0.095%
91	14.637	1096	1098	1102	rVV3	30719	64170	1.19%	0.101%
92	15.277	1151	1154	1159	rVB	680985	1001351	18.58%	1.579%
93	15.414	1164	1166	1176	rBV6	23303	98782	1.83%	0.156%
94	15.768	1194	1197	1202	rBV6	41267	120657	2.24%	0.190%
95	15.905	1206	1209	1215	rVB5	35451	130425	2.42%	0.206%

Sum of corrected areas: 63428536

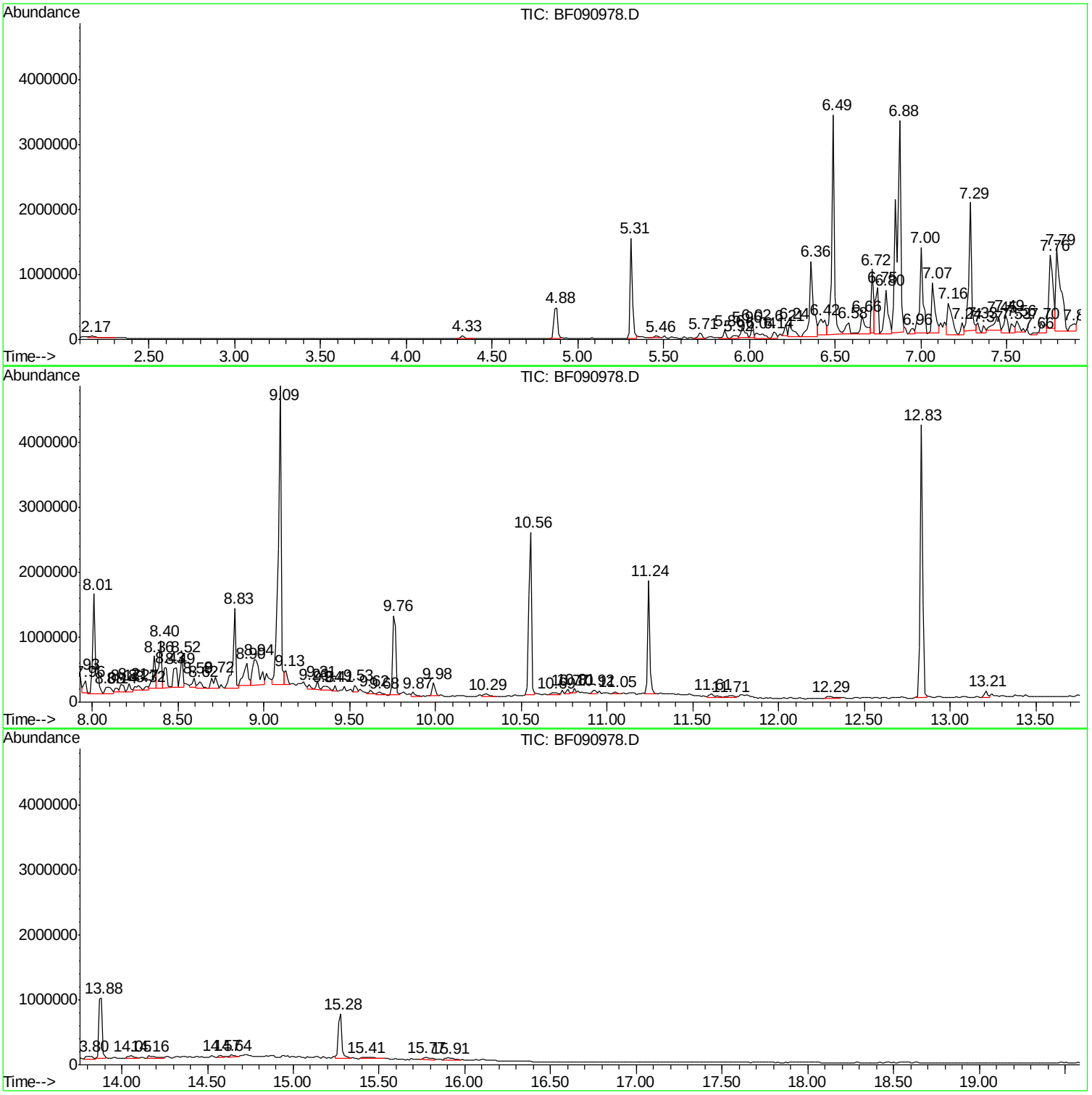
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
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Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

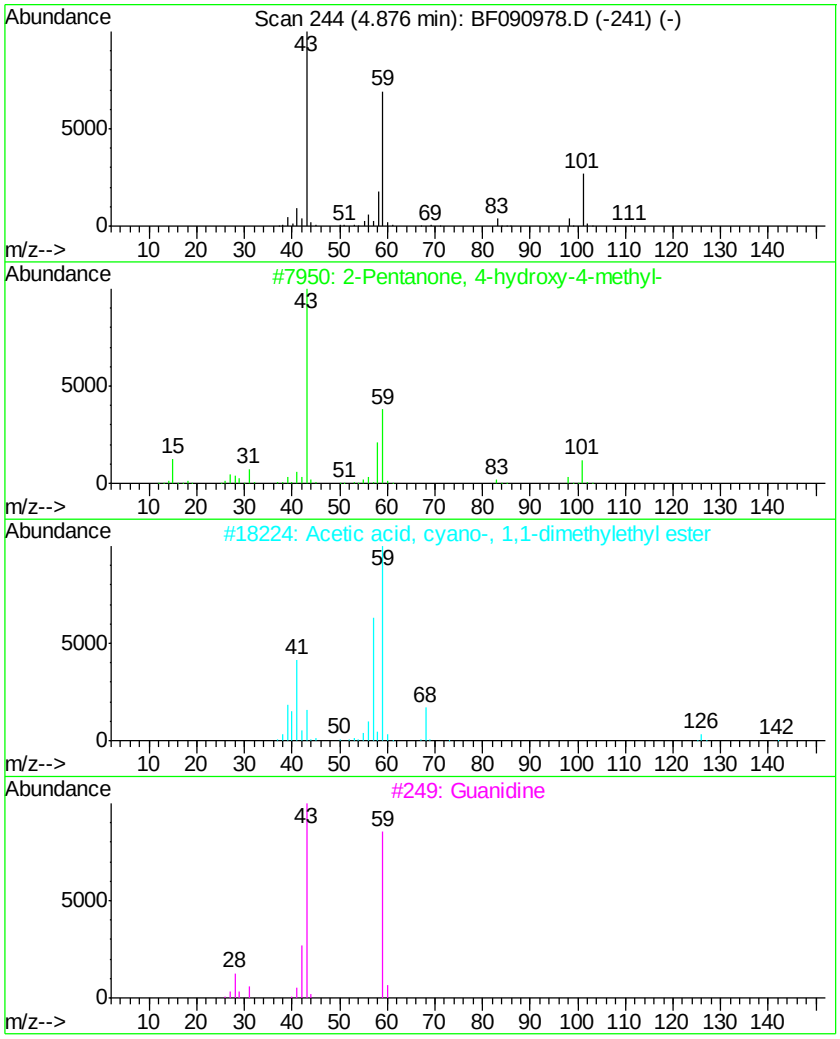
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

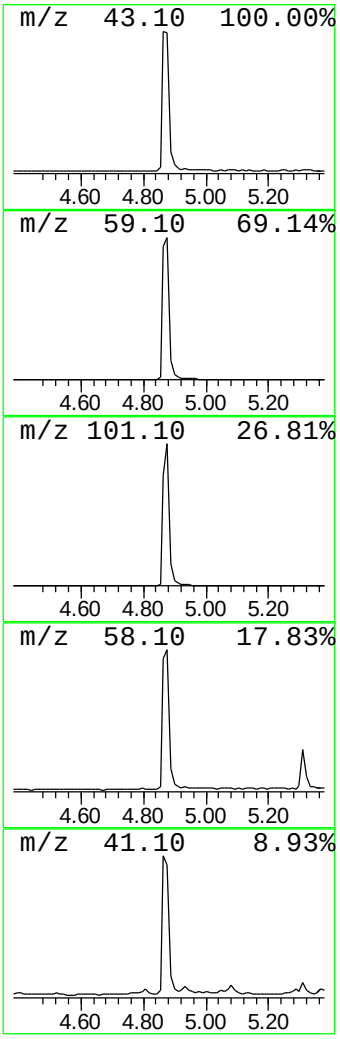
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	14.08 ng	703910	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Guanidine	59	CH5N3	000113-00-8	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

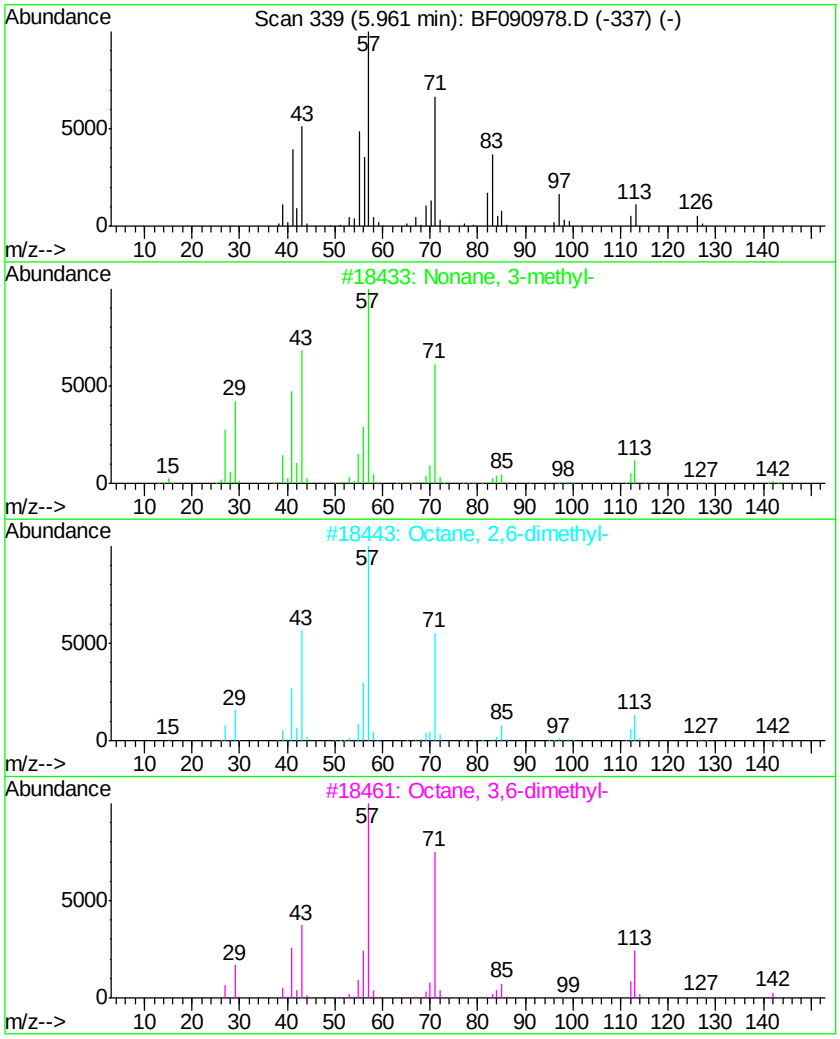
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

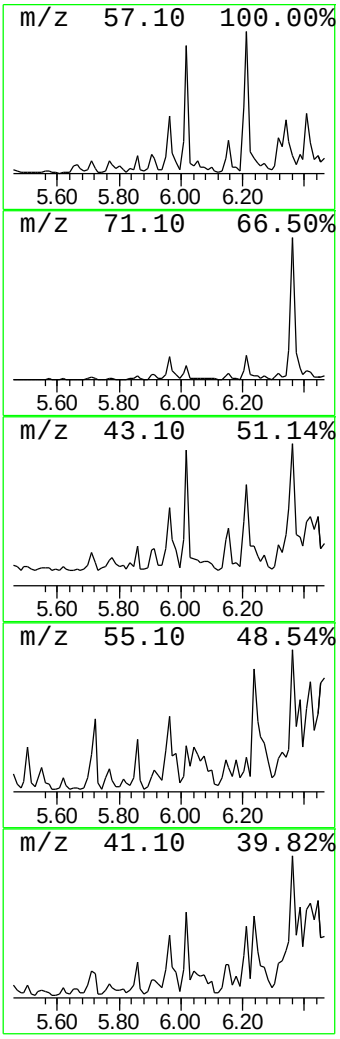
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	4.79 ng	239545	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	50





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

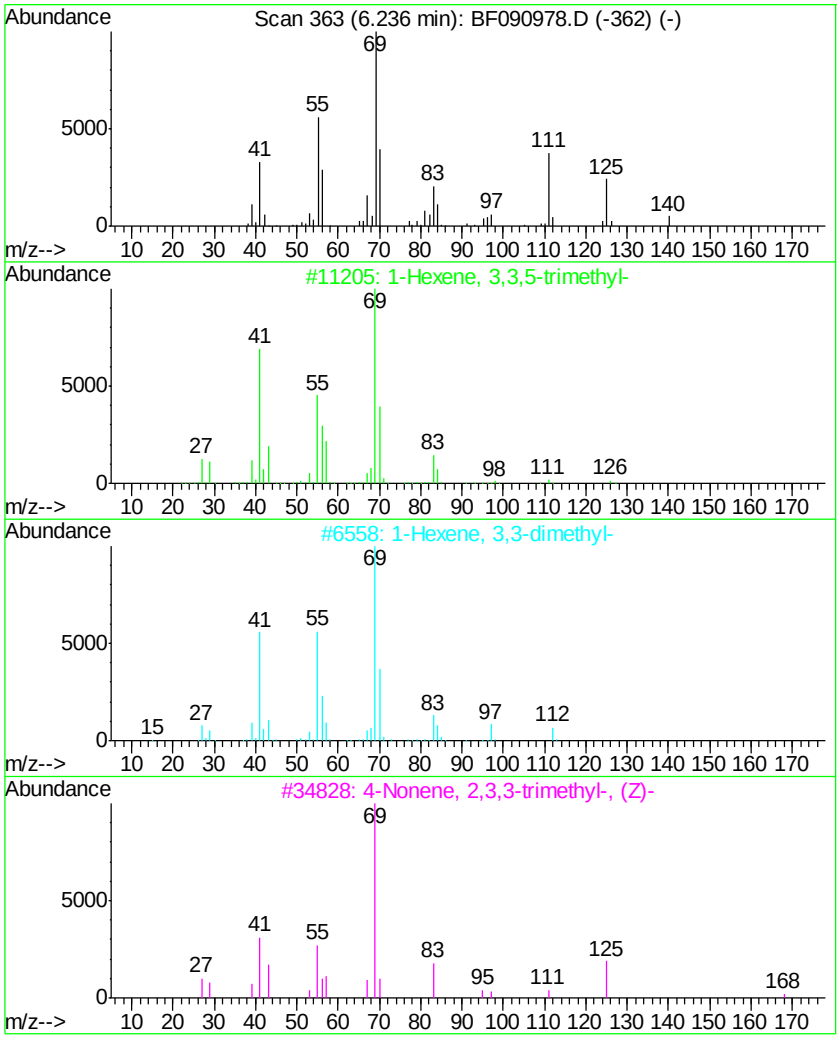
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

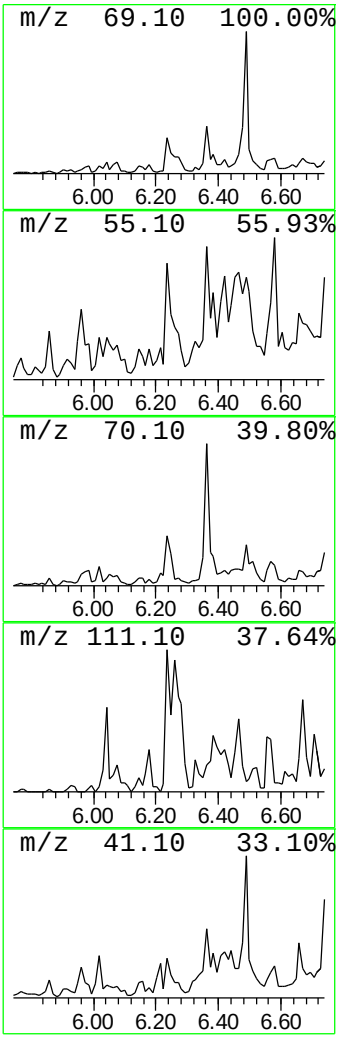
****

Peak Number 3 1-Hexene, 3,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	7.19 ng	359567	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	64
2	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	53
3	4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	50
4	4-Methyl-2-heptene	112	C8H16	003404-56-6	50
5	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
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Acq On : 2 Nov 2016 14:35
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Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

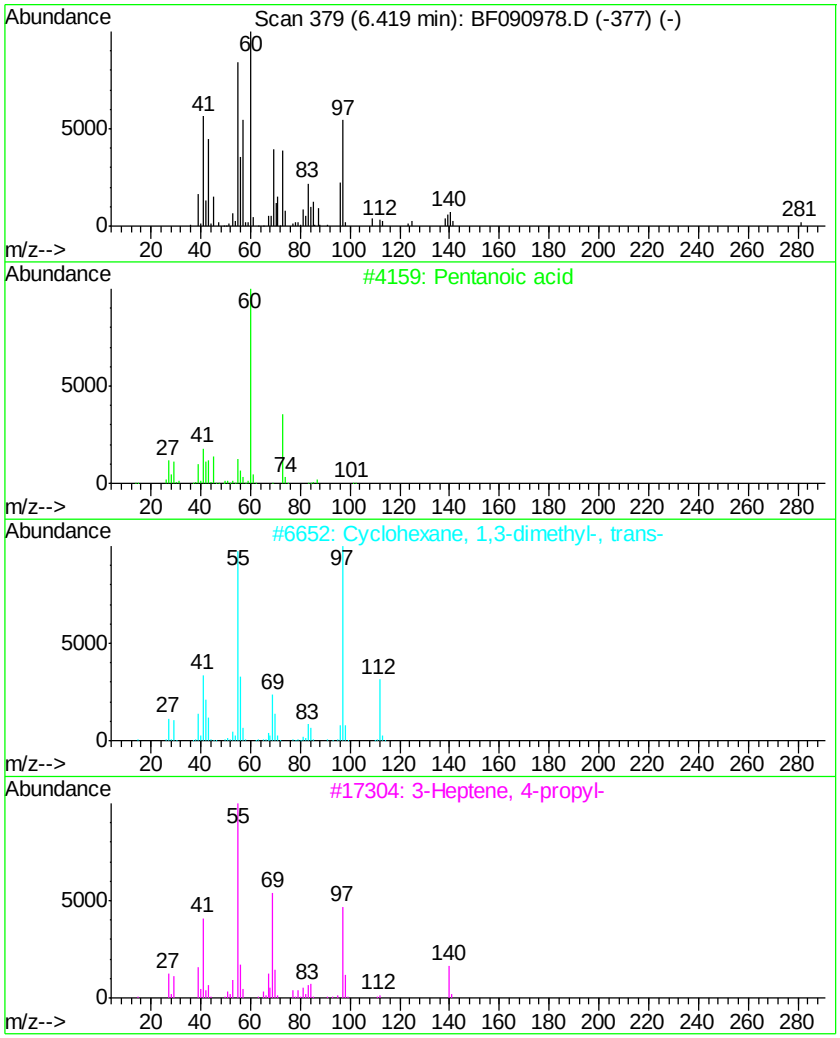
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

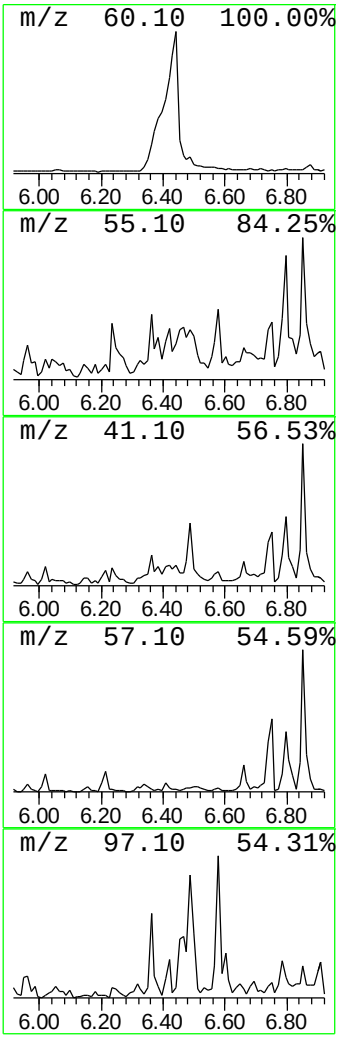
****

Peak Number 4 unknown6.42 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	13.21 ng	660379	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid	102	C5H10O2	000109-52-4	27
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	27
3	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	22
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	14
5	Cycloheptane, methyl-	112	C8H16	004126-78-7	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

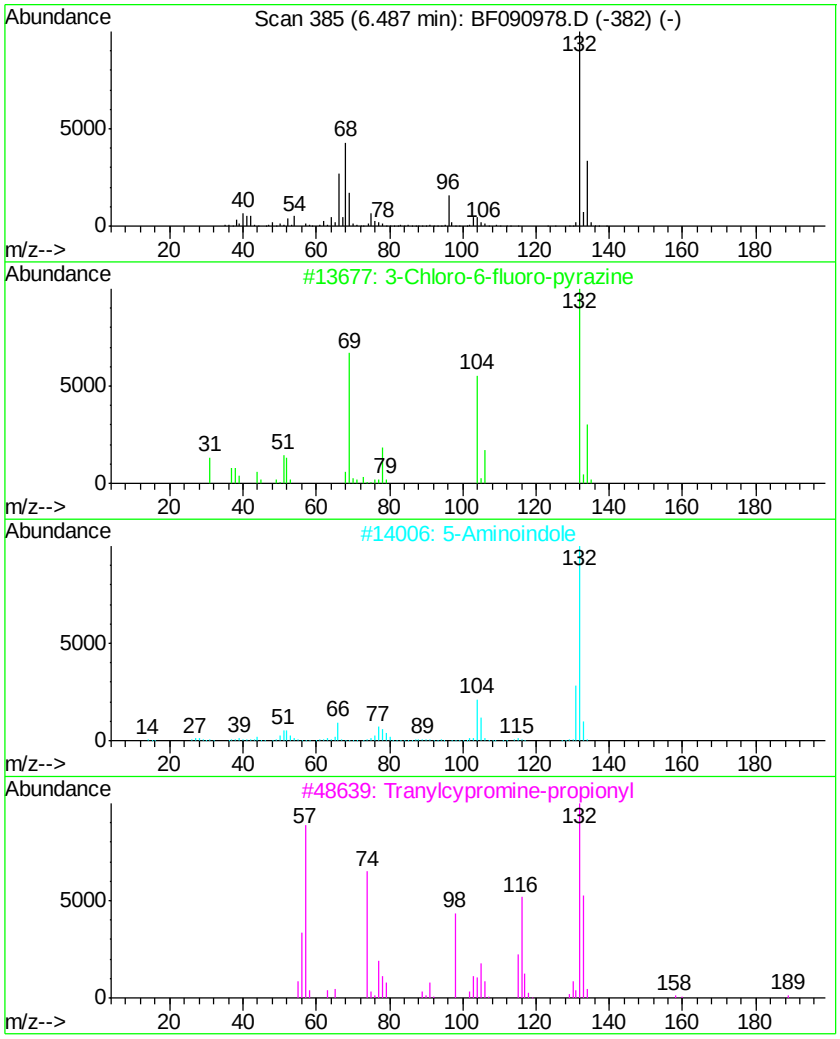
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

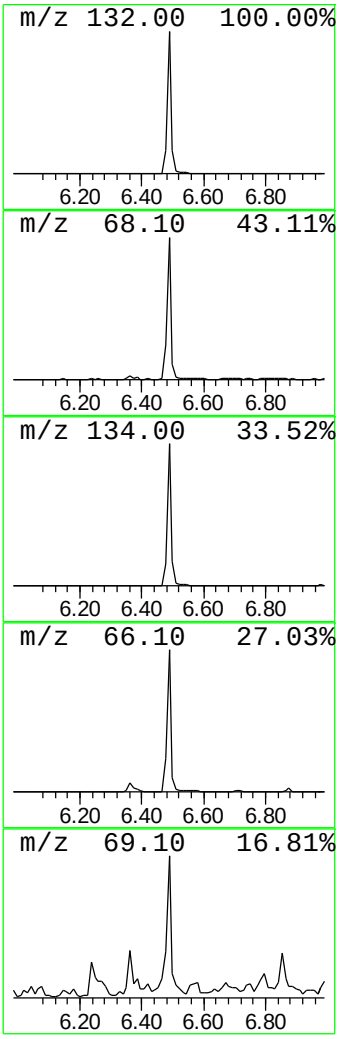
****

Peak Number 5 unknown6.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	70.84 ng	3540980	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
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Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

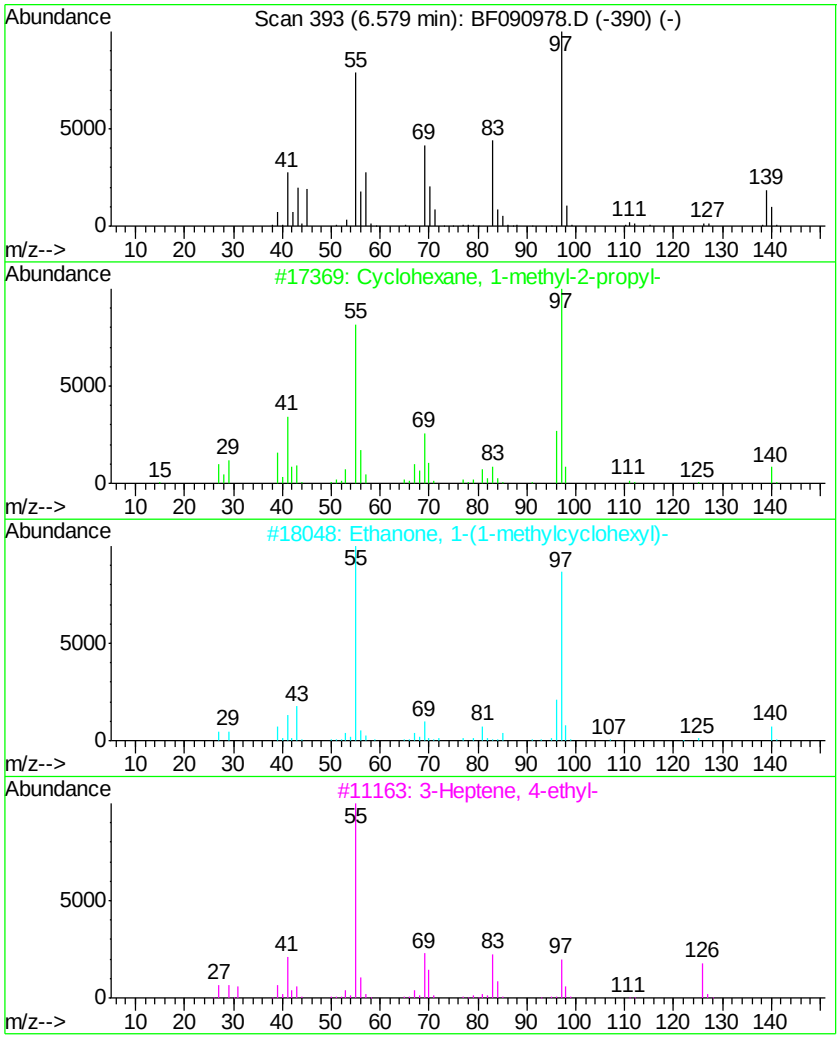
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

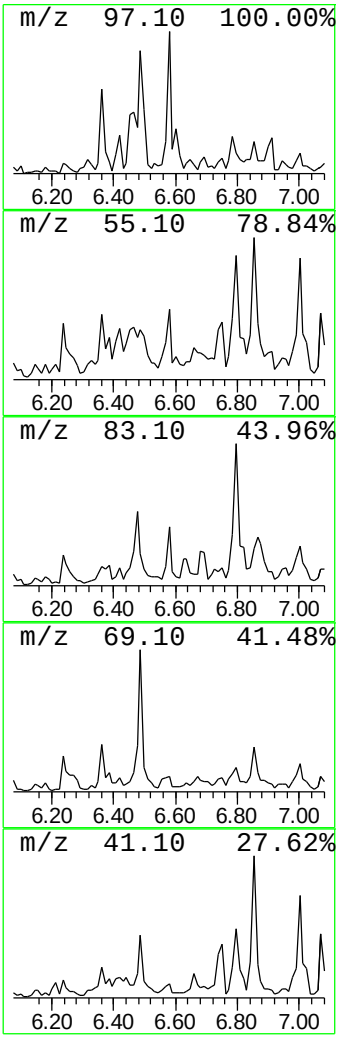
****

Peak Number 6 unknown6.58 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	4.90 ng	244735	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	47
2	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	43
3	3-Heptene, 4-ethyl-	126	C9H18	033933-74-3	38
4	4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	35
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	32





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Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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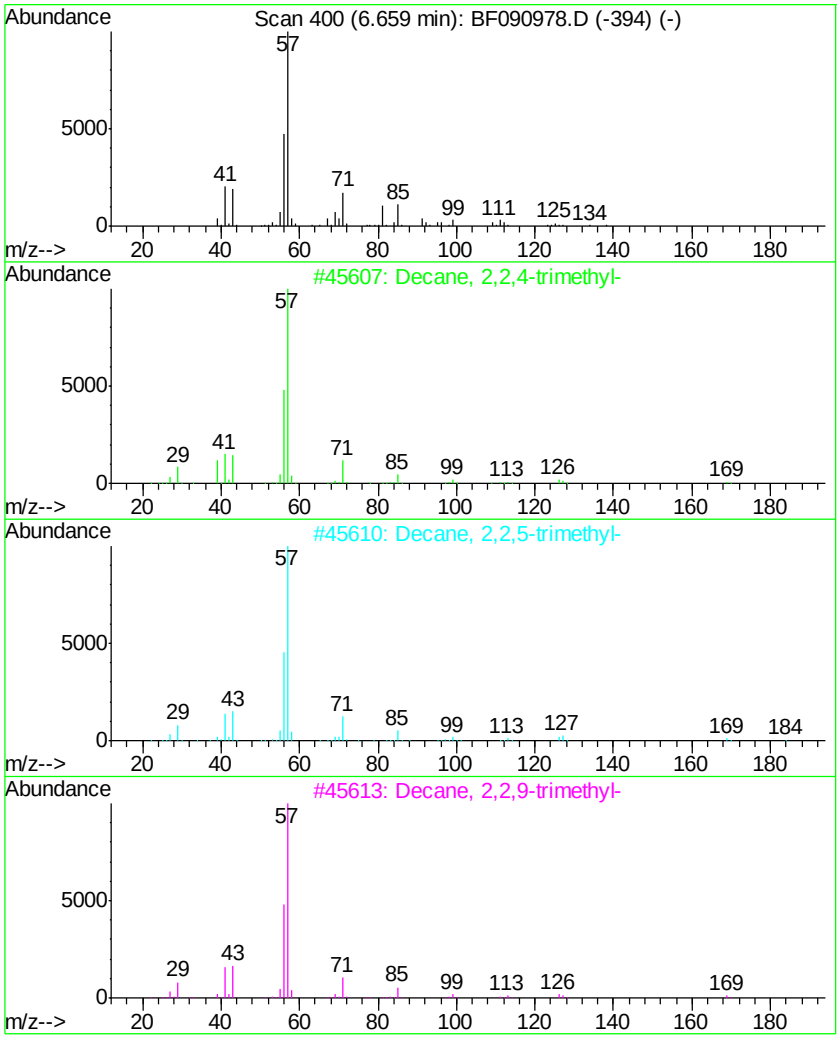
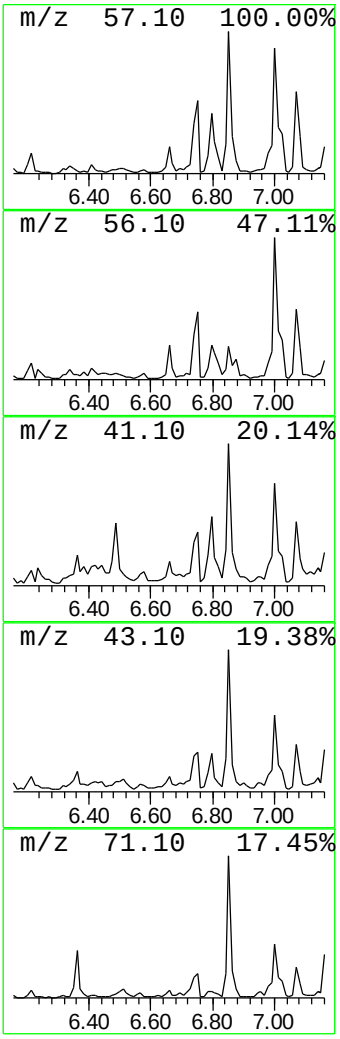
Peak Number 7 Decane, 2,2,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	10.97 ng	548344	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,4-trimethyl-	184	C13H28	062237-98-3	64
2	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	64
3	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	64
4	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	64
5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59





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Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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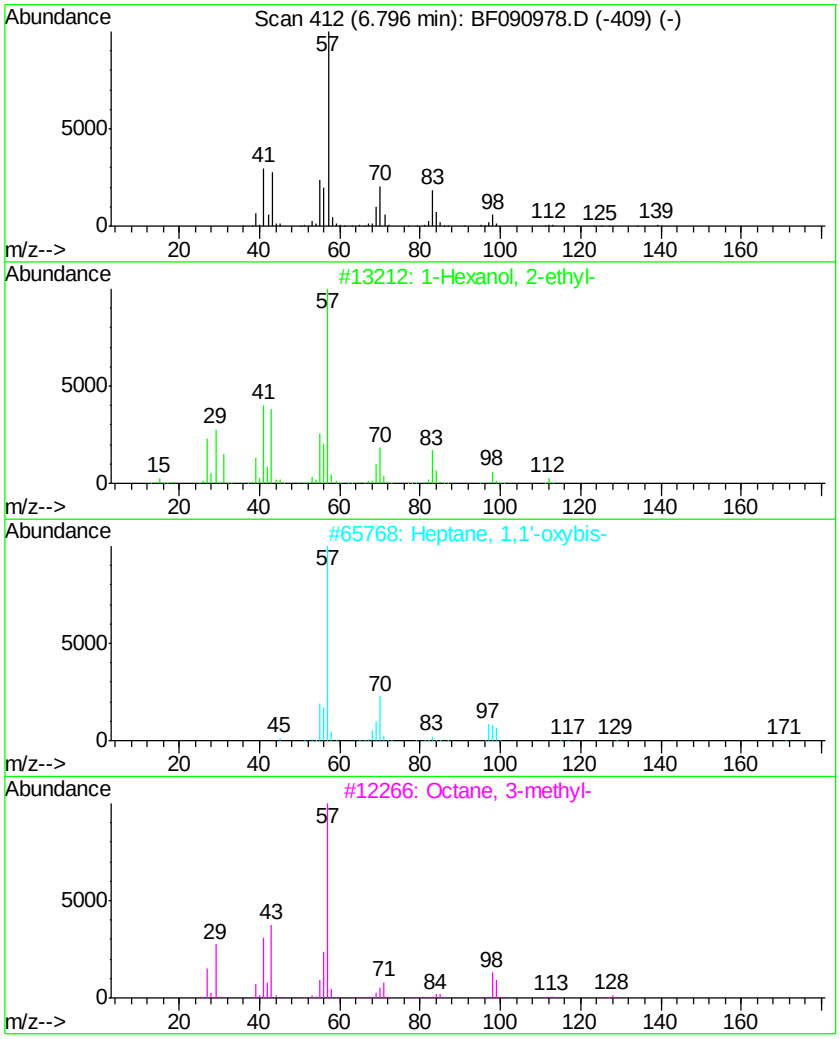
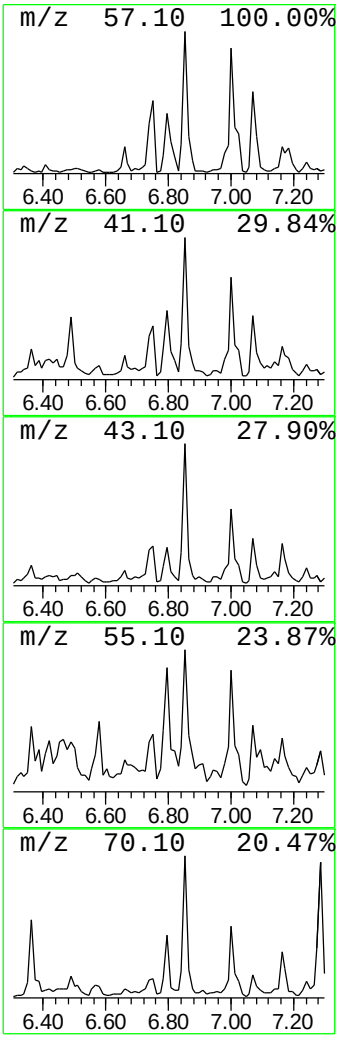
Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	21.47 ng	1073490	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	64
3	Octane, 3-methyl-	128	C9H20	002216-33-3	43
4	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	42
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	42





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ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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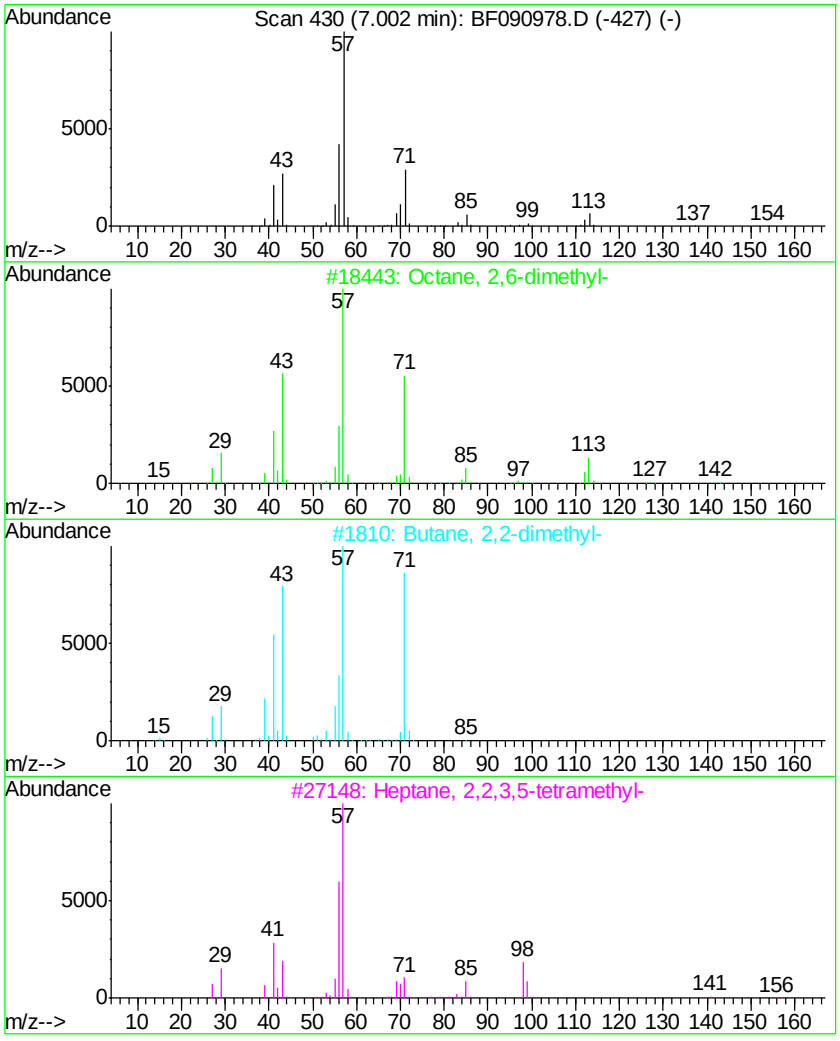
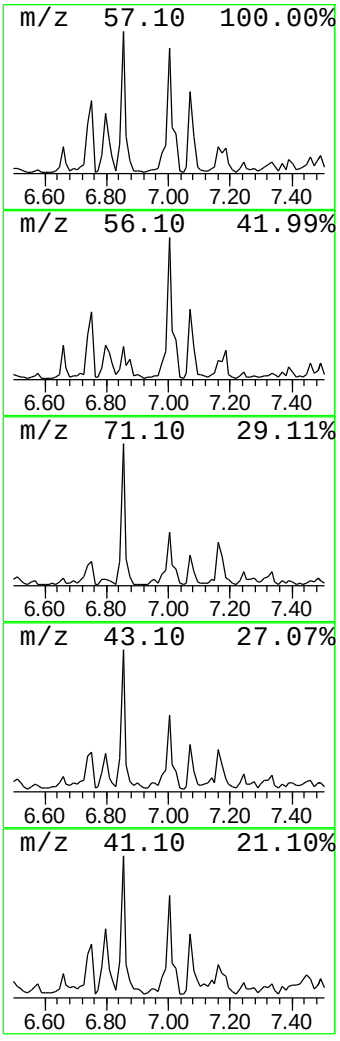
Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	36.06 ng	1802420	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59
3	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	53
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	50
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50





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Acq On : 2 Nov 2016 14:35
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Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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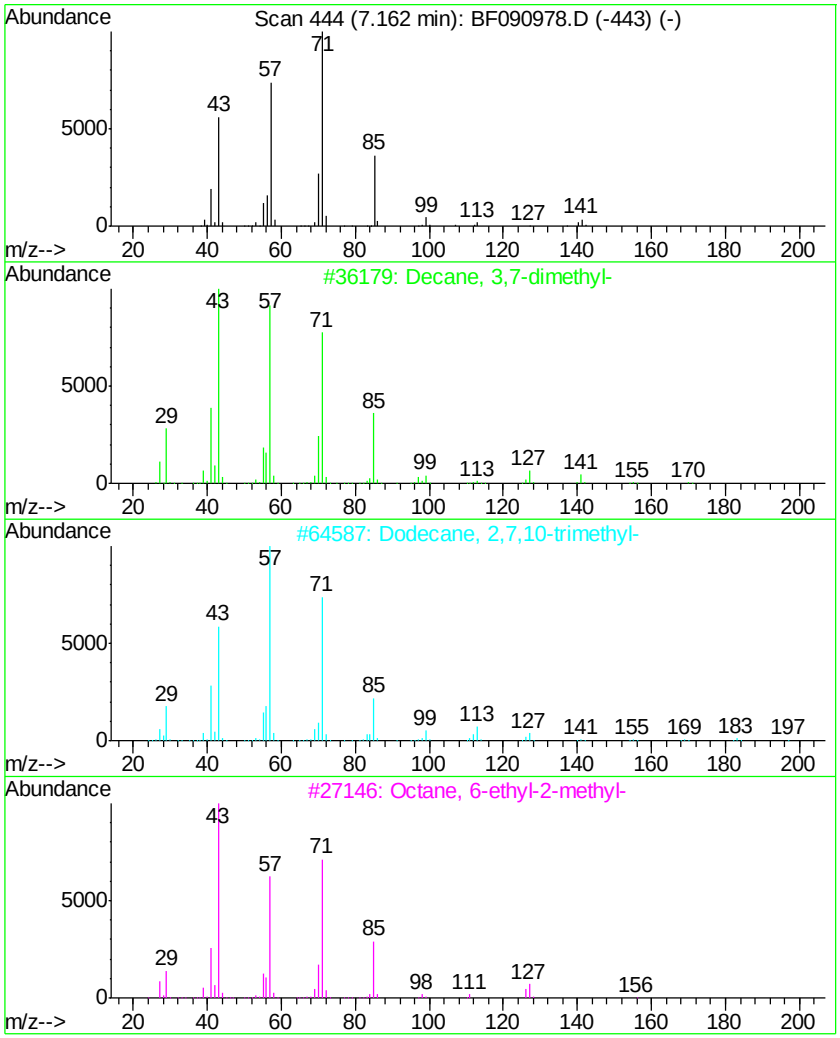
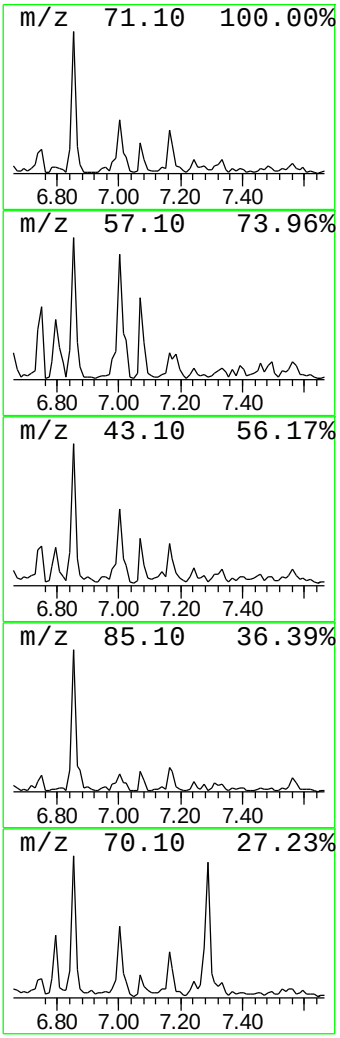
Peak Number 12 Decane, 3,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	16.47 ng	823104	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
4	Decane, 5-propyl-	184	C13H28	017312-62-8	64
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	59





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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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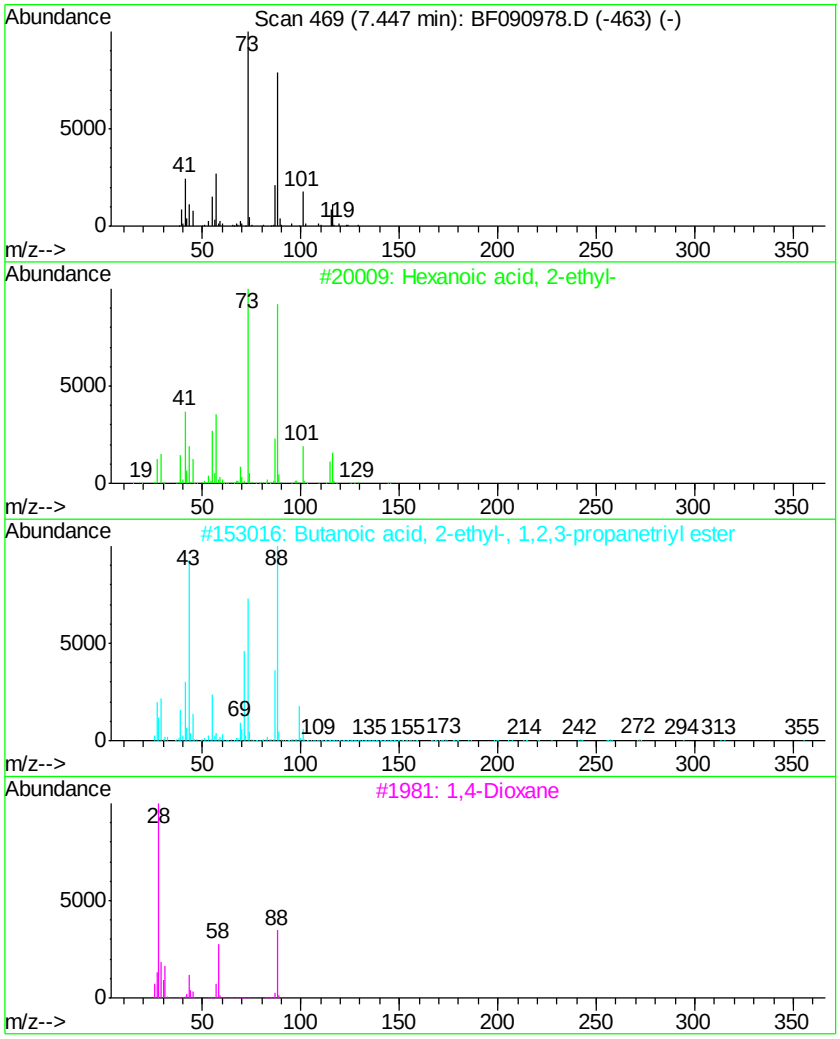
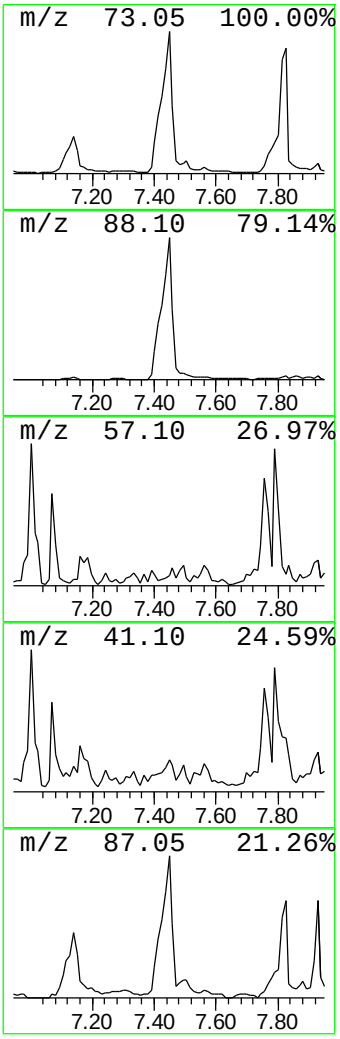
Peak Number 13 Hexanoic acid, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	5.77 ng	567506	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
3	1,4-Dioxane	88	C4H8O2	000123-91-1	37
4	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	33
5	Valproic Acid	144	C8H16O2	000099-66-1	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
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Sample : H5491-07
Misc :
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Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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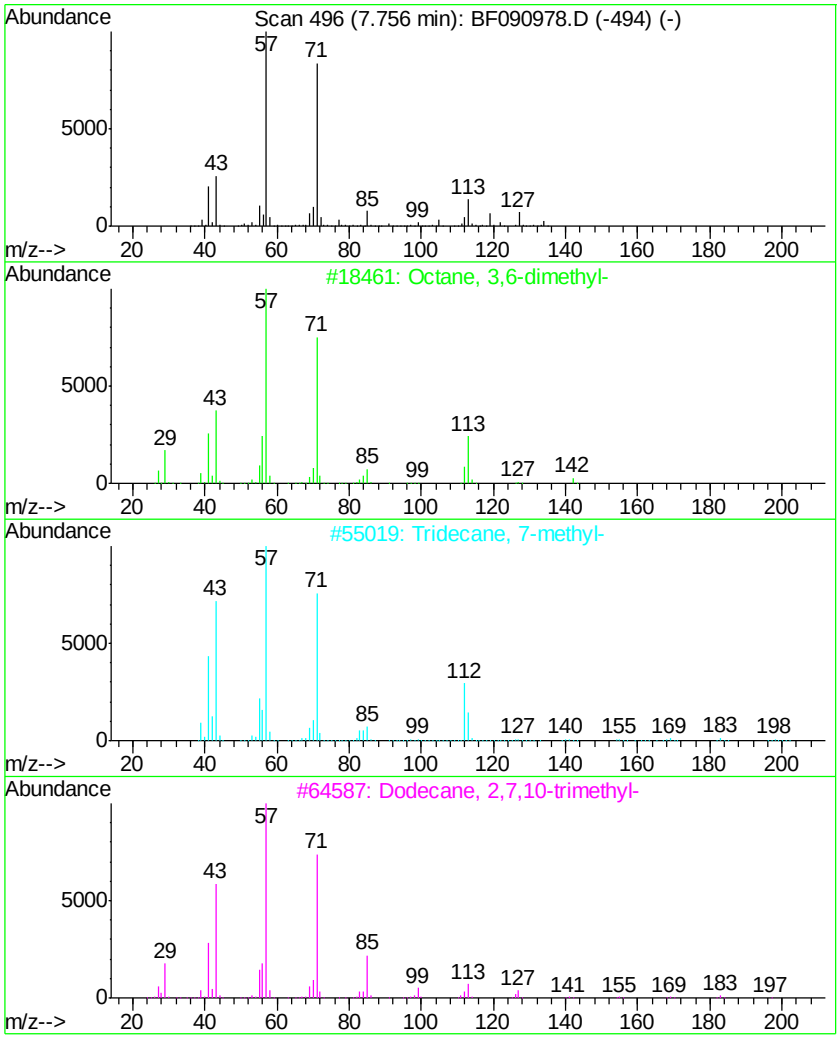
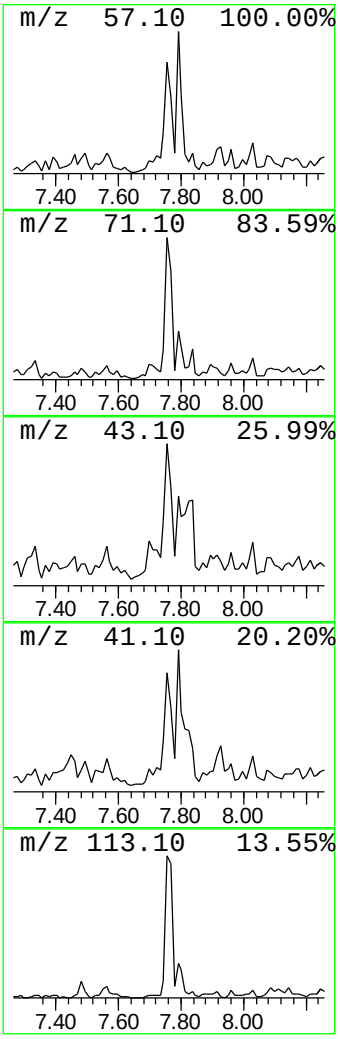
Peak Number 14 Octane, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	18.34 ng	1804840	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2	Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	56





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Sample : H5491-07
Misc :
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Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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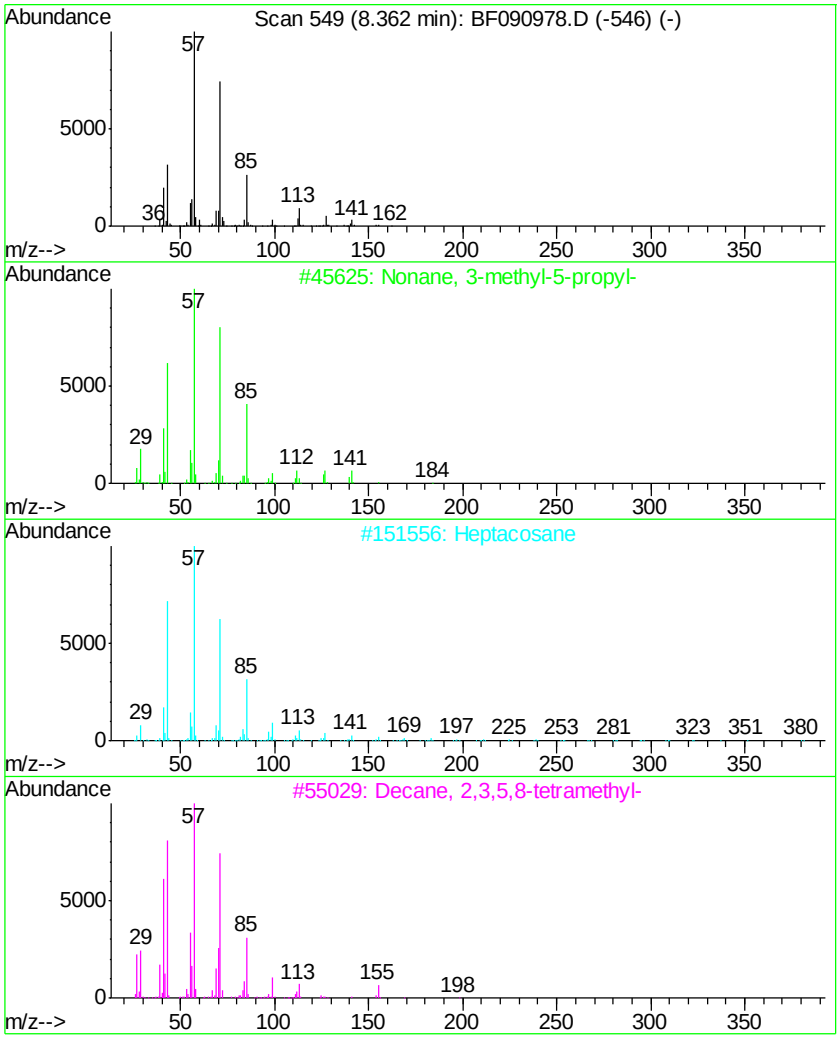
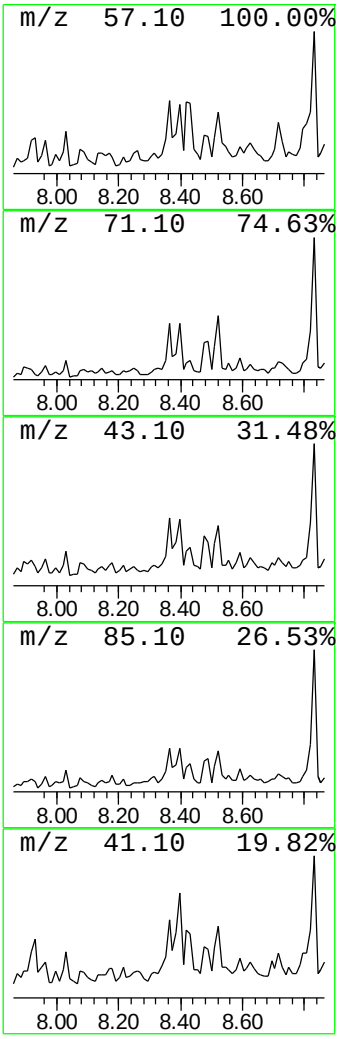
Peak Number 15 Nonane, 3-methyl-5-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	6.46 ng	636023	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
2	Heptacosane	380	C27H56	000593-49-7	78
3	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	78
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	78
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	74





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Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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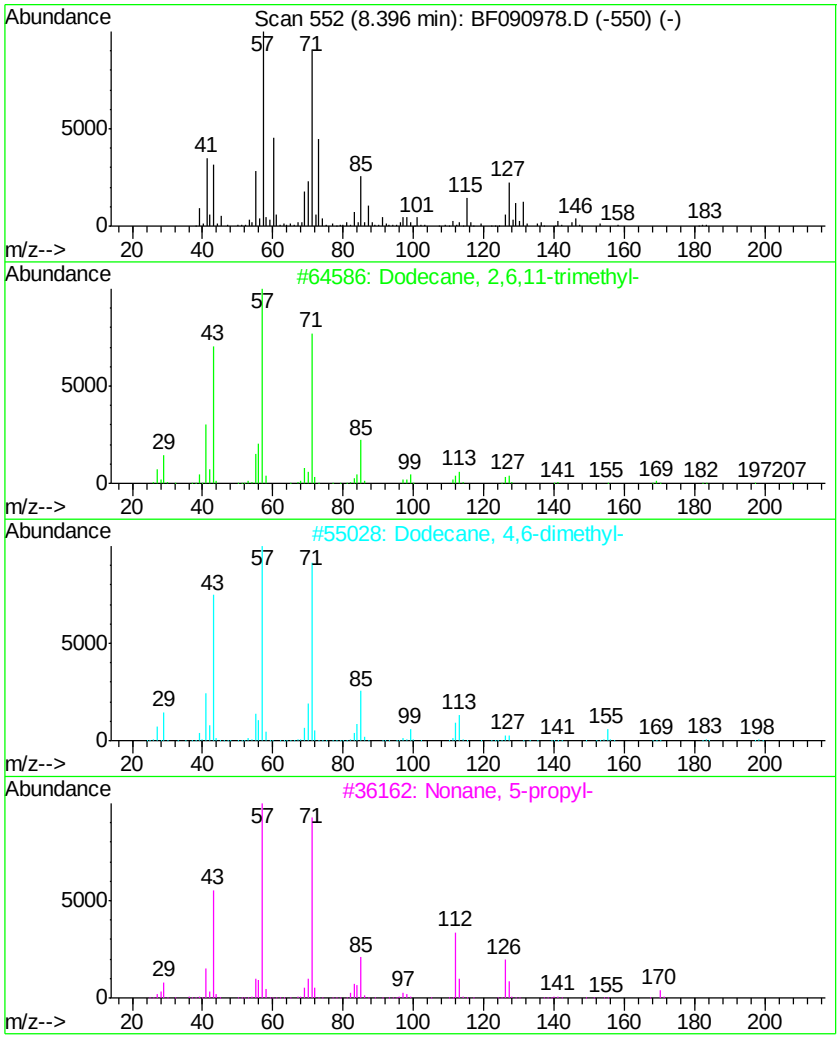
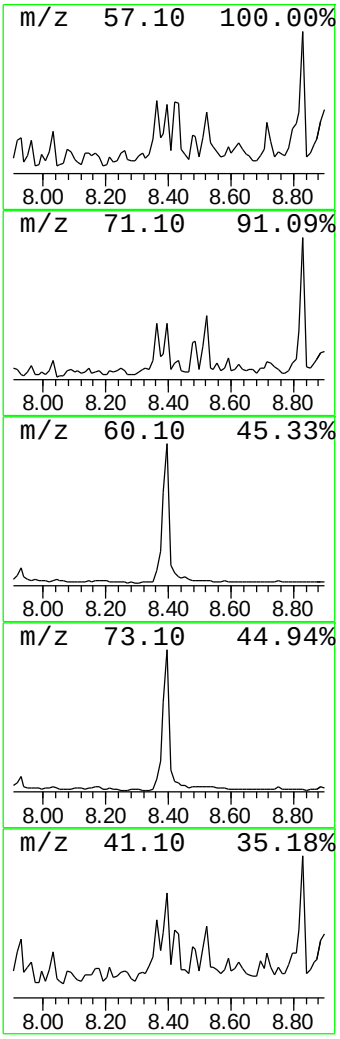
Peak Number 16 unknown8.40 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	7.92 ng	779220	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	37
3	Nonane, 5-propyl-	170	C12H26	000998-35-6	37
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	37
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	37





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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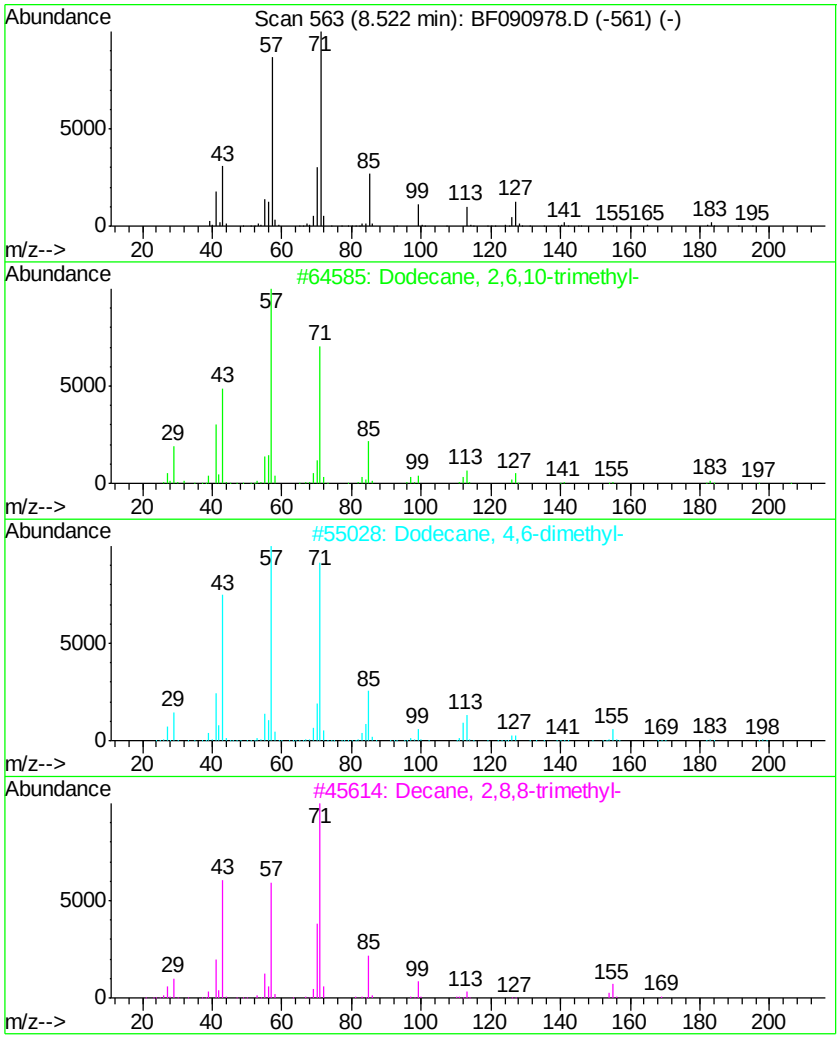
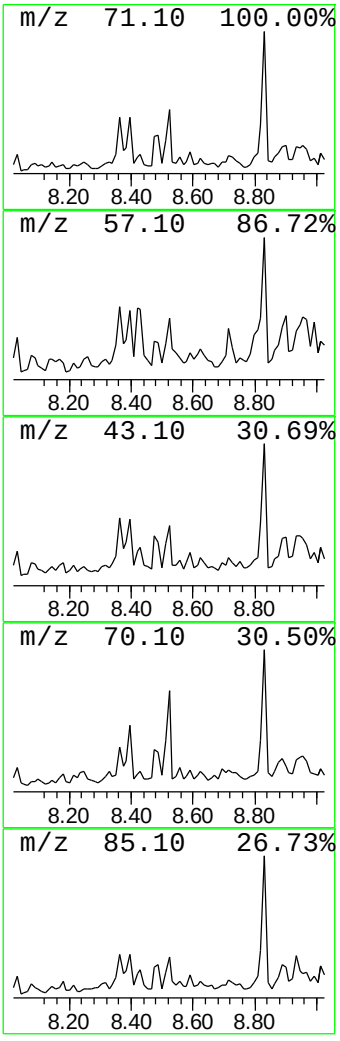
Peak Number 17 Dodecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	5.38 ng	529313	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	78
3	Decane, 2,8,8-trimethyl-	184	C13H28	1000060-81-2	59
4	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	59
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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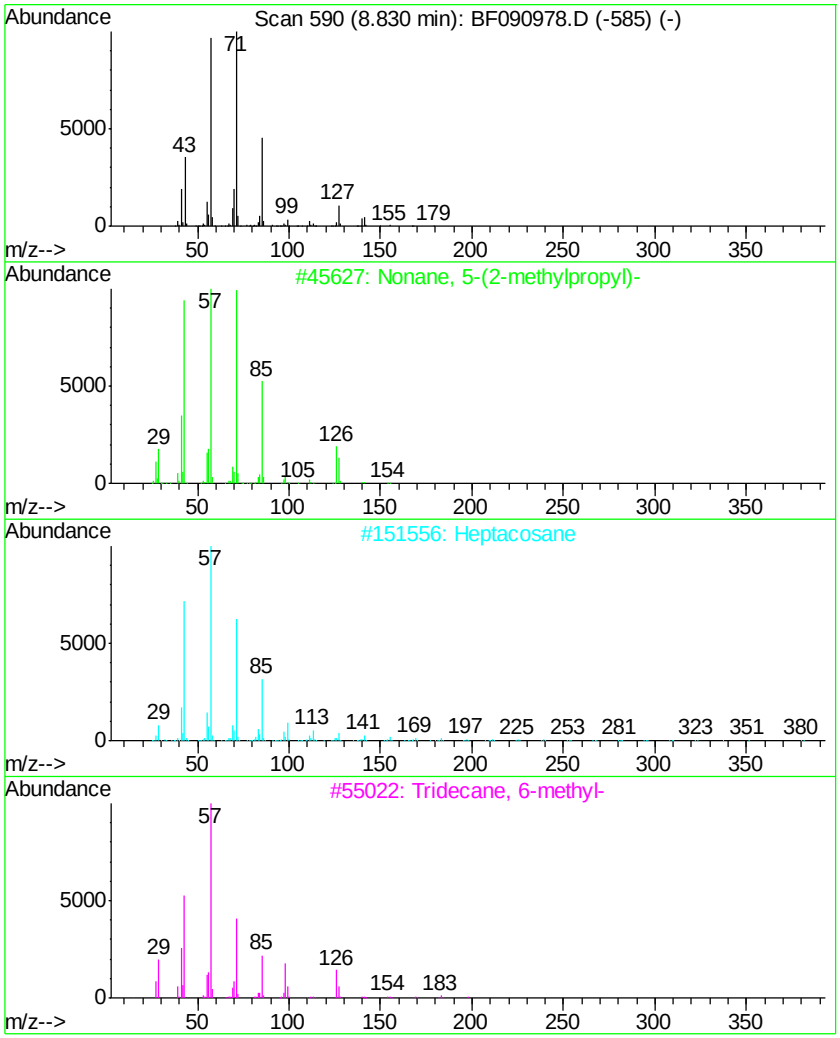
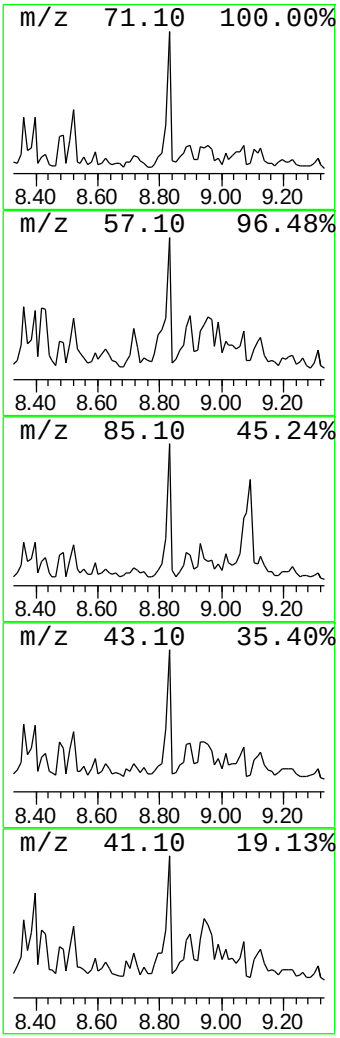
Peak Number 18 Nonane, 5-(2-methylpropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	15.56 ng	1531880	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	72
2	Heptacosane	380	C27H56	000593-49-7	56
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	56
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	50





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ClientSampleId : GW-68-6.4-9

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

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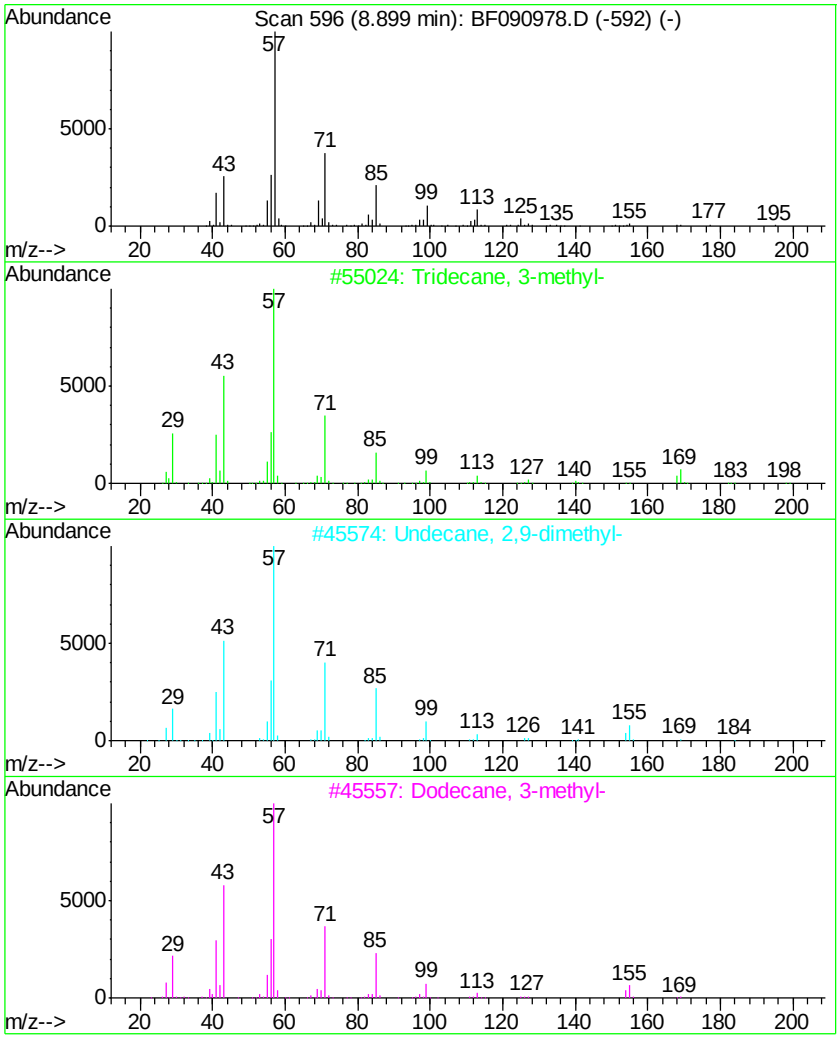
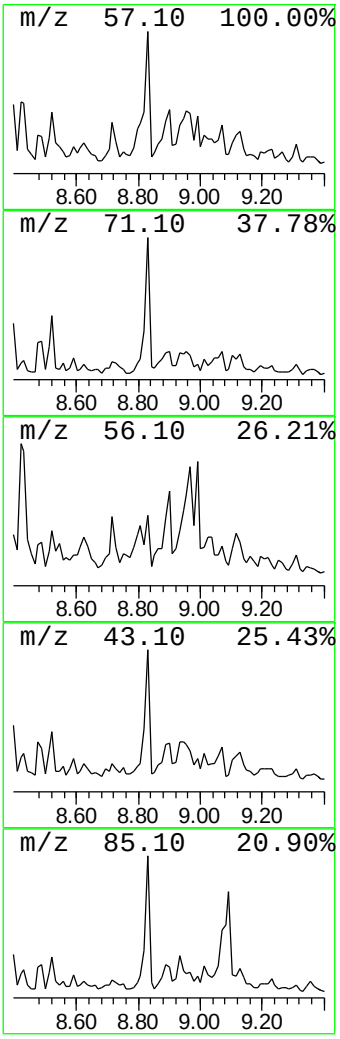
Peak Number 19 Tridecane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	8.04 ng	676300	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	78
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
4	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	64
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

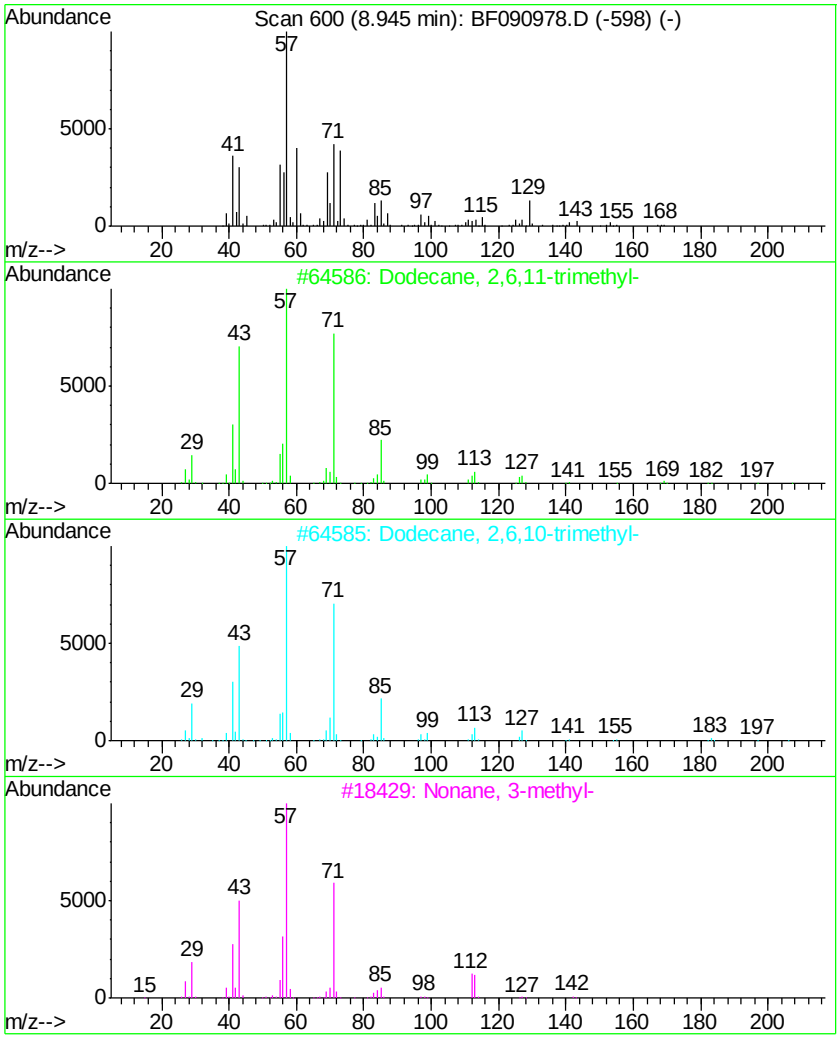
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

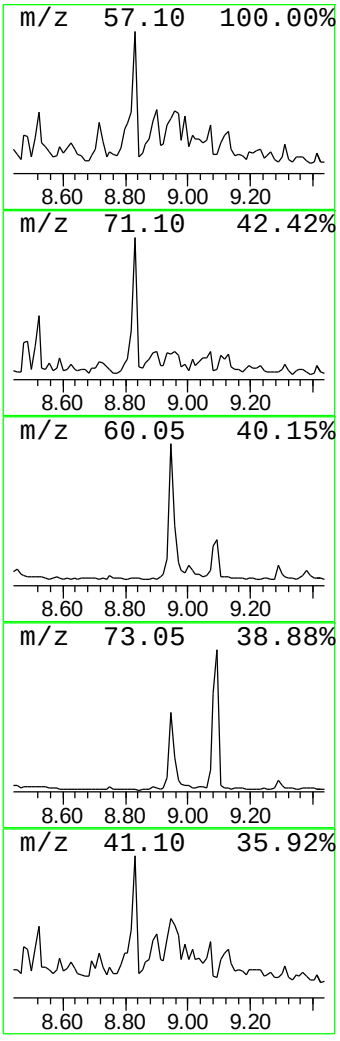
****

Peak Number 20 unknown8.94 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	13.97 ng	1175450	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	38
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	38
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	35
5	Hexadecane	226	C16H34	000544-76-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090978.D
Acq On : 2 Nov 2016 14:35
Operator : UM/SJ
Sample : H5491-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-68-6.4-9

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
2-Pentanone, 4-hy...	4.88	14.1	ng	703910	1	6.72	999781	20.0
Nonane, 3-methyl-	5.96	4.8	ng	239545	1	6.72	999781	20.0
1-Hexene, 3,3,5-t...	6.24	7.2	ng	359567	1	6.72	999781	20.0
unknown6.42	6.42	13.2	ng	660379	1	6.72	999781	20.0
unknown6.49	6.49	70.8	ng	3540980	1	6.72	999781	20.0
unknown6.58	6.58	4.9	ng	244735	1	6.72	999781	20.0
Decane, 2,2,4-tri...	6.66	11.0	ng	548344	1	6.72	999781	20.0
1-Hexanol, 2-ethyl-	6.80	21.5	ng	1073490	1	6.72	999781	20.0
Octane, 2,6-dimet...	7.00	36.1	ng	1802420	1	6.72	999781	20.0
Decane, 3,7-dimet...	7.16	16.5	ng	823104	1	6.72	999781	20.0
Hexanoic acid, 2-...	7.45	5.8	ng	567506	2	8.01	1968460	20.0
Octane, 3,6-dimet...	7.76	18.3	ng	1804840	2	8.01	1968460	20.0
Nonane, 3-methyl-...	8.36	6.5	ng	636023	2	8.01	1968460	20.0
unknown8.40	8.40	7.9	ng	779220	2	8.01	1968460	20.0
Dodecane, 2,6,10-...	8.52	5.4	ng	529313	2	8.01	1968460	20.0
Nonane, 5-(2-meth...	8.83	15.6	ng	1531880	2	8.01	1968460	20.0
Tridecane, 3-methyl-	8.90	8.0	ng	676300	3	9.76	1682810	20.0
unknown8.94	8.94	14.0	ng	1175450	3	9.76	1682810	20.0