LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093356.D
Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

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-BF013017.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	2.601	37	45	49	rBV	73376	175981	1.89%	0.089%
2	3.550	122	128	133	rBV2	72546	195806	2.10%	0.099%
3	3.721	139	143	147	rBV	54231	127879	1.37%	0.065%
4	3.904	153	159	161	rBV	209176	405819	4.36%	0.206%
5	3.961	161	164	169	rVB	88146	164657	1.77%	0.084%
6	4.076	169	174	176	rBV2	74061	157574	1.69%	0.080%
7	4.133	176	179	183	rVB	97922	181099	1.95%	0.092%
8	4.281	189	192	198	rVB2	218512	397047	4.26%	0.202%
9	4.396	198	202	206	rVB	135925	241425	2.59%	0.123%
10	4.624	220	222	224	rBV	106851	152733	1.64%	0.078%
11	4.750	228	233	235	rBV	435897	588551	6.32%	0.299%
12	4.807	235	238	239	rBV	165473	337596	3.63%	0.171%
13	4.853	239	242	245	rVB2	788570	1293999	13.90%	0.657%
14	4.910	245	247	248	rBV	1039311	1246424	13.39%	0.633%
15	4.933	248	249	252	rVB	930942	1207018	12.96%	0.613%
16	5.047	256	259	262	rVB	155631	299147	3.21%	0.152%
17	5.127	264	266	268	rBV	1102931	1428416	15.34%	0.725%
18	5.161	268	269	273	rVB3	118636	211963	2.28%	0.108%
19	5.230	273	275	276	rBV	391181	485198	5.21%	0.246%
20	5.253	276	277	279	rVB2	116079	112817	1.21%	0.057%
21	5.333	279	284	287	rBV2	894952	1280173	13.75%	0.650%
22	5.379	287	288	291	rBV	2469384	3680548	39.53%	1.868%
23	5.424	291	292	295	rVB	458193	461227	4.95%	0.234%
24	5.516	298	300	302	rBV2	959192	1318756	14.16%	0.669%
25	5.562	302	304	306	rVB	976594	881755	9.47%	0.448%
26	5.607	306	308	312	rVB2	735219	1192043	12.80%	0.605%
27	5.676	312	314	316	rBV	347444	350487	3.76%	0.178%
28	5.779	319	323	325	rBV2	1260563	1960770	21.06%	0.995%
29	5.836	325	328	329	rBV2	684317	1220070	13.10%	0.619%
30	5.916	332	335	338	rVB	2180647	2848880	30.60%	1.446%
31	5.973	338	340	342	rBV2	637237	1202888	12.92%	0.611%
32	6.019	342	344	348	rBV2	3741605	5297722	56.90%	2.689%
33	6.076	348	349	351	rBV	1885182	1962068	21.07%	0.996%
34	6.110	351	352	358	rVB3	769753	2096789	22.52%	1.064%

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Instrument : BNA_F
ClientSampleId : 21B-20

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.213	358	361	364	rBV2	1501699	3142835	33.76%	1.595%
36	6.282	366	367	368	rBV	1732546	1436254	15.43%	0.729%
37	6.304	368	369	374	rVB3	1877340	3293125	35.37%	1.671%
38	6.373	374	375	379	rBV3	687021	1644017	17.66%	0.834%
39	6.453	379	382	384	rBV2	3619883	4665600	50.11%	2.368%
40	6.487	384	385	386	rVB	635014	435302	4.68%	0.221%
41	6.533	386	389	391	rBV2	1566946	4111396	44.16%	2.087%
42	6.567	391	392	395	rVB	3484751	4103926	44.08%	2.083%
43	6.647	395	399	400	rBV3	1136073	1862813	20.01%	0.946%
44	6.682	400	402	403	rBV	177115	263355	2.83%	0.134%
45	6.750	404	408	410	rBV2	1520416	3613881	38.81%	1.834%
46	6.819	410	414	415	rVB2	4191466	6692264	71.88%	3.397%
47	6.853	415	417	419	rBV	1265596	1644041	17.66%	0.834%
48	6.887	419	420	421	rBV	571031	730998	7.85%	0.371%
49	6.922	421	423	424	rVB	423842	373886	4.02%	0.190%
50	6.956	424	426	430	rVB3	3716655	7086051	76.11%	3.597%
51	7.082	430	437	438	rBV3	2512490	6428639	69.05%	3.263%
52	7.127	438	441	442	rBV2	752987	1038029	11.15%	0.527%
53	7.196	445	447	448	rBV	2093238	2453386	26.35%	1.245%
54	7.219	448	449	452	rVB3	924433	1558703	16.74%	0.791%
55	7.276	452	454	456	rBV4	494709	907150	9.74%	0.460%
56	7.345	456	460	461	rBV2	3551063	6244457	67.07%	3.169%
57	7.379	461	463	467	rVB3	2887701	5609078	60.24%	2.847%
58	7.447	467	469	471	rVB2	2831840	4470309	48.01%	2.269%
59	7.527	471	476	477	rBV2	2320774	5246500	56.35%	2.663%
60	7.596	477	482	483	rBV3	1950451	4815150	51.72%	2.444%
61	7.653	485	487	489	rBV3	627817	919229	9.87%	0.467%
62	7.733	489	494	496	rBV4	2576435	7200025	77.33%	3.655%
63	7.779	496	498	500	rVB2	1541612	1725020	18.53%	0.876%
64	7.836	501	503	508	rVB3	2763771	5513003	59.21%	2.798%
65	7.916	508	510	513	rBV4	1785306	2767437	29.72%	1.405%
66	7.973	513	515	519	rBV3	1584774	4716956	50.66%	2.394%
67	8.087	519	525	527	rBV6	2830564	9310642	100.00%	4.726%
68	8.179	531	533	536	rVV2	2773777	5263500	56.53%	2.672%
69	8.270	538	541	542	rBV2	1268264	2483759	26.68%	1.261%
70	8.305	542	544	546	rVV2	1831425	2595905	27.88%	1.318%
71	8.396	549	552	554	rVB4	2258980	3884847	41.72%	1.972%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : 21B-20

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.545	562	565	569	rBV3	3574480	8201853	88.09%	4.163%
73	8.613	569	571	573	rBV2	2028583	2614450	28.08%	1.327%
74	8.648	573	574	575	rBV	1046100	1031723	11.08%	0.524%
75	8.808	586	588	589	rVB2	1112204	1199513	12.88%	0.609%
76	8.933	597	599	603	rVB4	1502866	2773308	29.79%	1.408%
77	9.025	605	607	609	rVB3	1275619	1524092	16.37%	0.774%
78	9.150	615	618	620	rBV4	2228568	4123813	44.29%	2.093%
79	9.276	626	629	632	rBV5	1434125	4024323	43.22%	2.043%
80	10.133	702	704	708	rVB3	1430010	2537821	27.26%	1.288%
81	10.819	760	764	766	rBV2	1840715	3570194	38.35%	1.812%

Sum of corrected areas: 197017883

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093356.D
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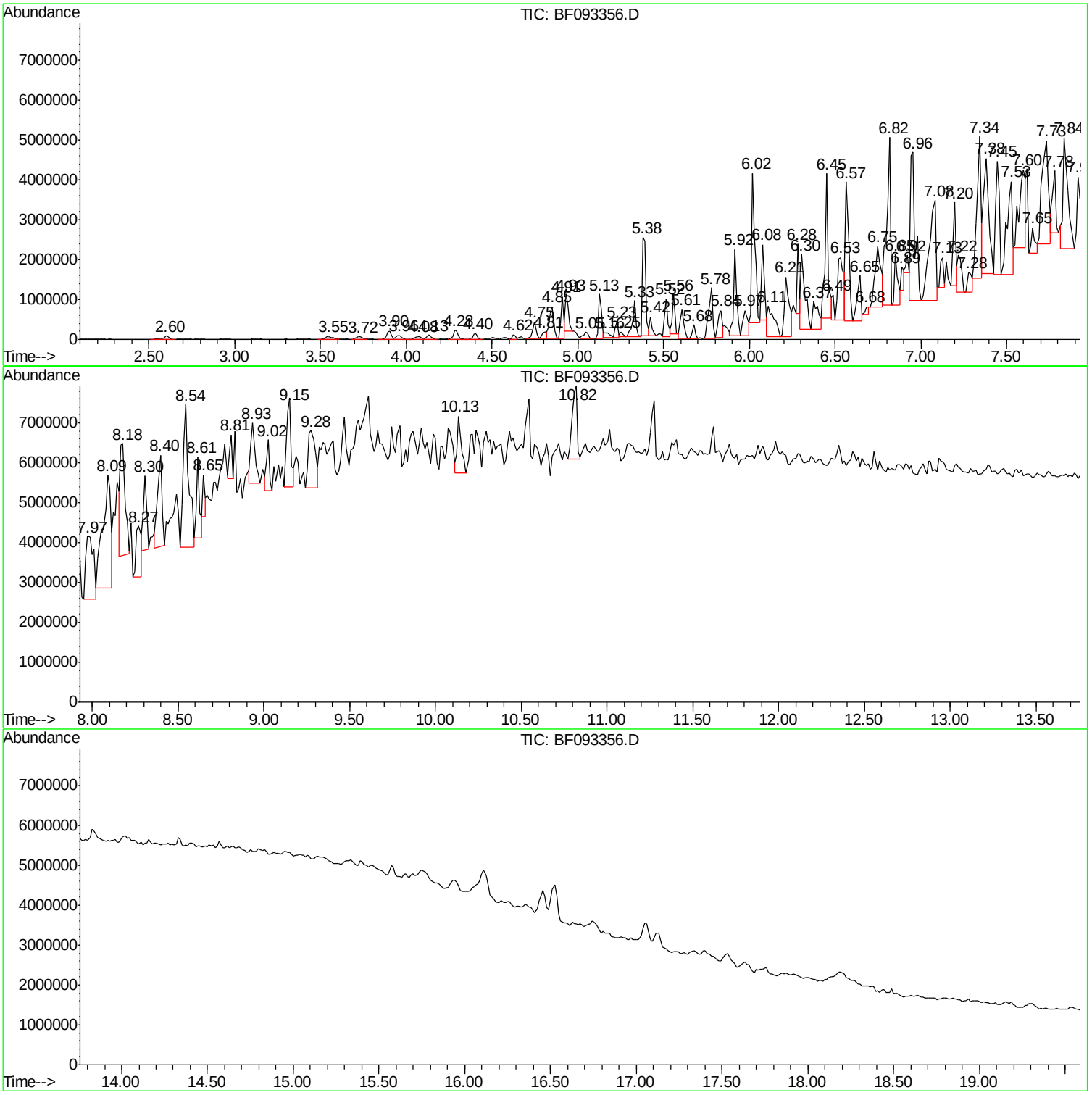
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF030217\
Data File : BF093356.D
Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

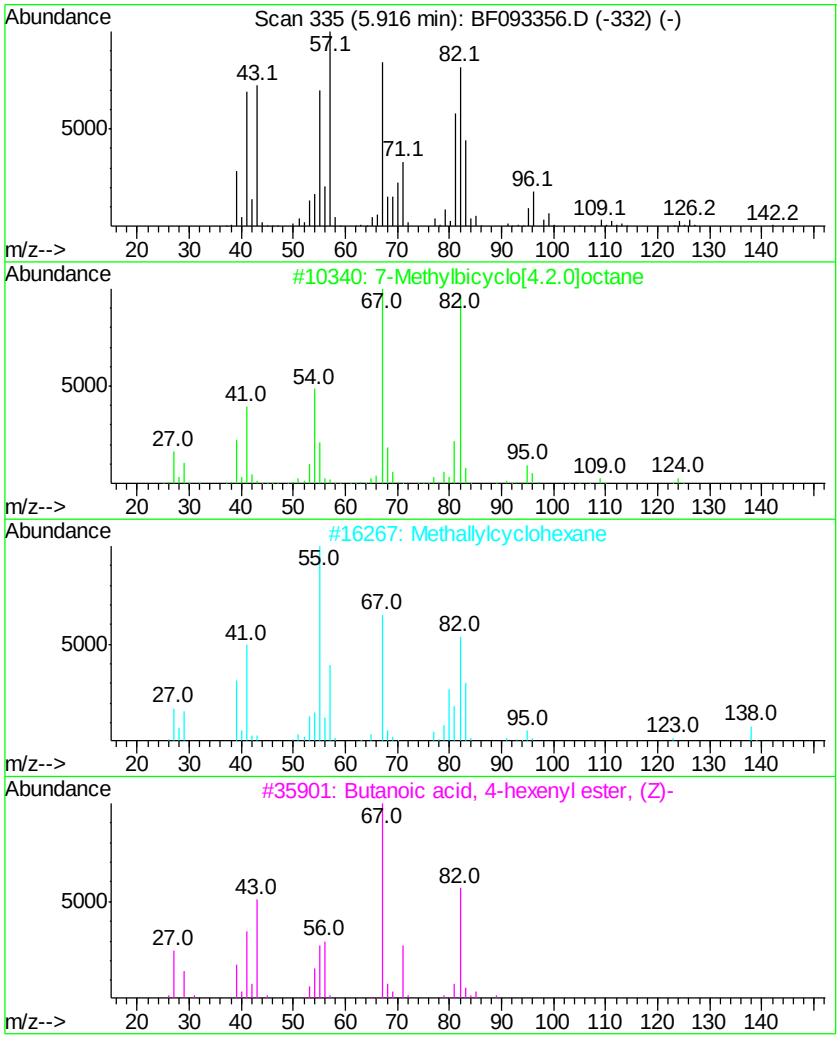
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

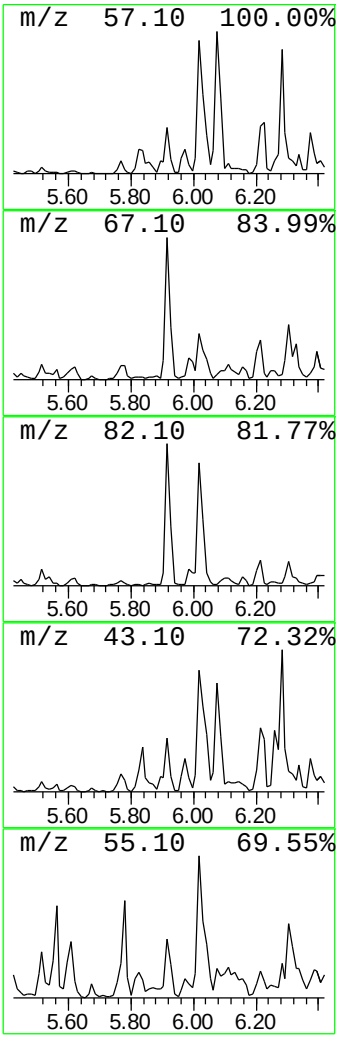
****

Peak Number 1 7-Methylbicyclo[4.2.0]octane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	8.51 ng	2848880	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	60
2	Methallylcyclohexane	138	C10H18	003990-93-0	59
3	Butanoic acid, 4-hexenyl ester, ...	170	C10H18O2	069727-41-9	50
4	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	49
5	3-Aminocrotononitrile	82	C4H6N2	001118-61-2	43





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Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

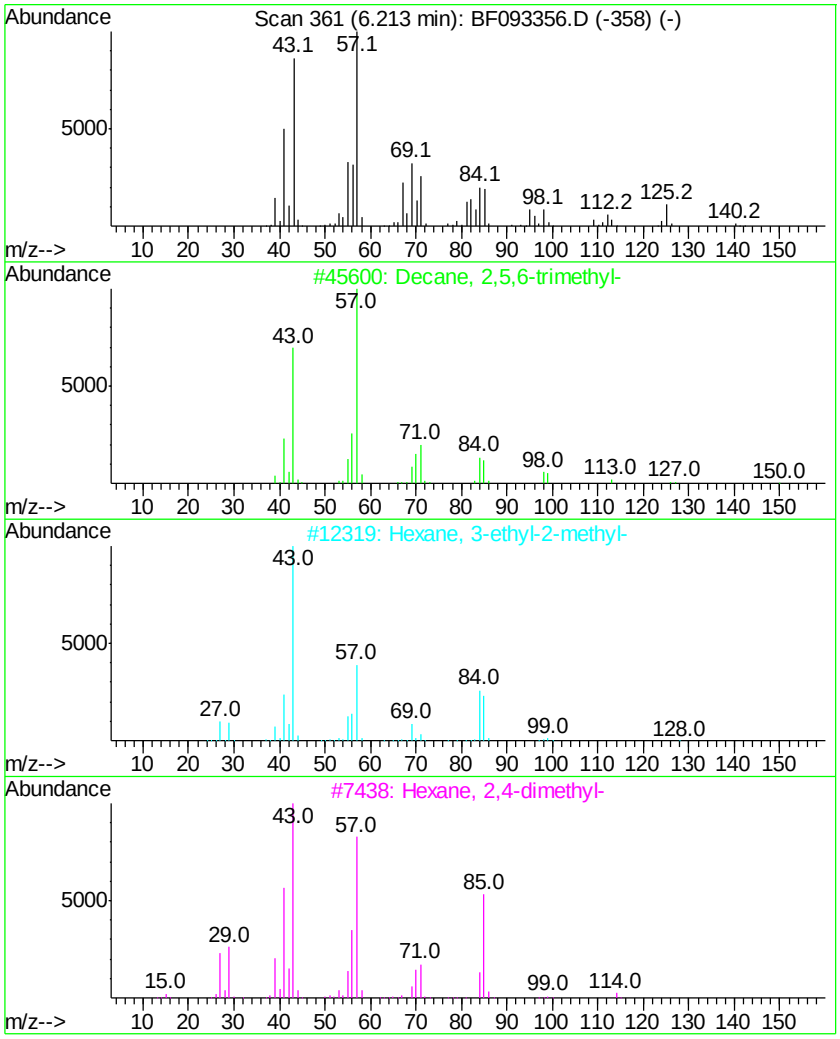
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

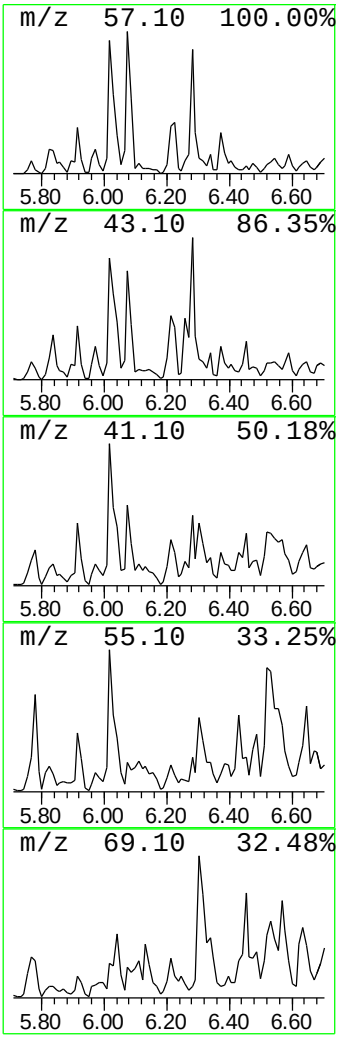
****

Peak Number 3 Decane, 2,5,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	9.39 ng	3142840	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50
2	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	43
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	38
5	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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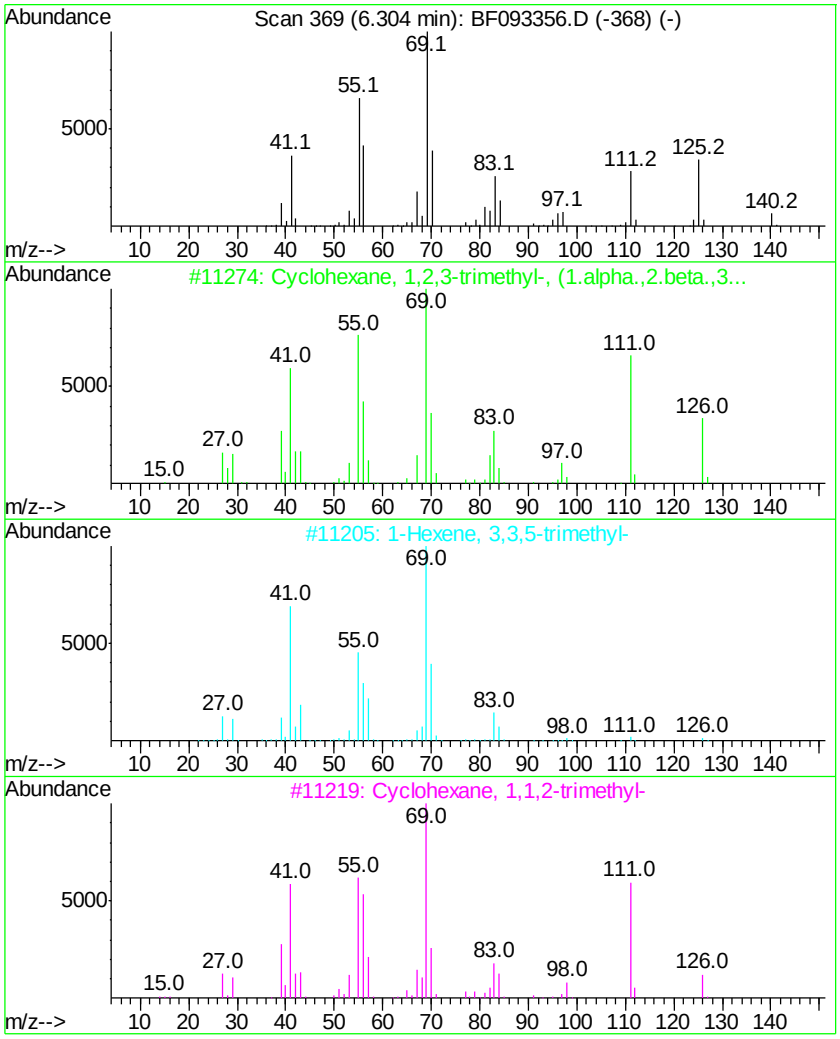
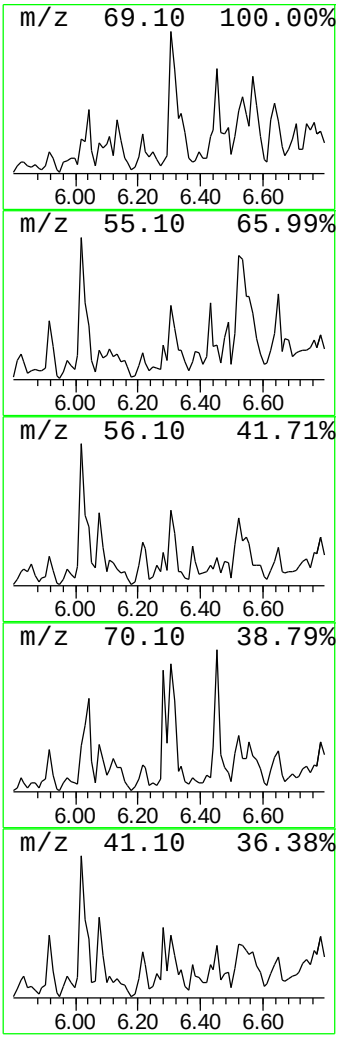
****

Peak Number 4 Cyclohexane, 1,2,3-trimethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	9.84 ng	3293130	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	59
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	59
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	50
5	Heptane, 4-methylene-	112	C8H16	015918-08-8	47





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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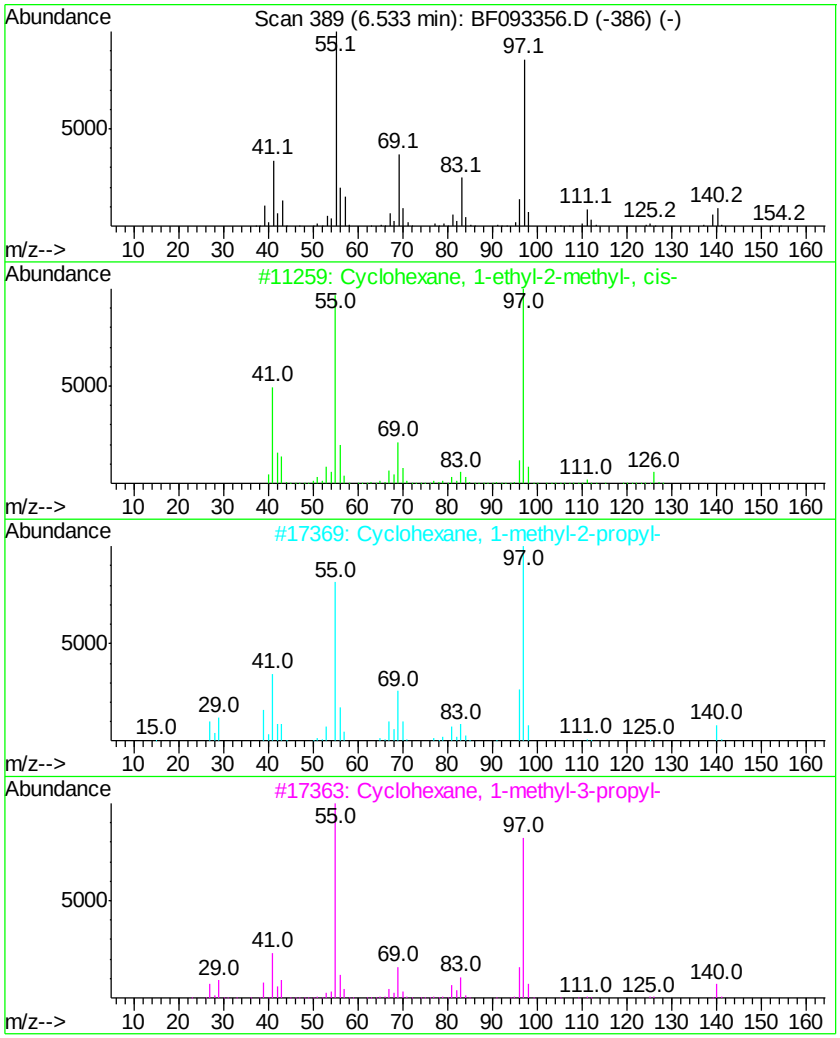
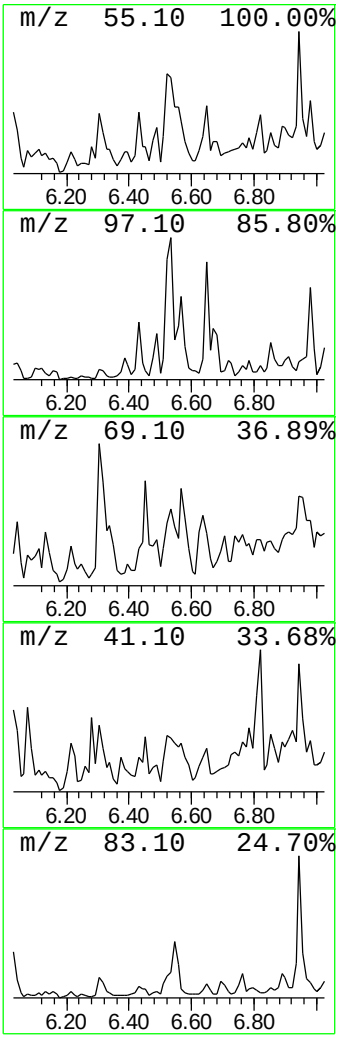
Peak Number 5 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	12.29 ng	4111400	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
3	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53





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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
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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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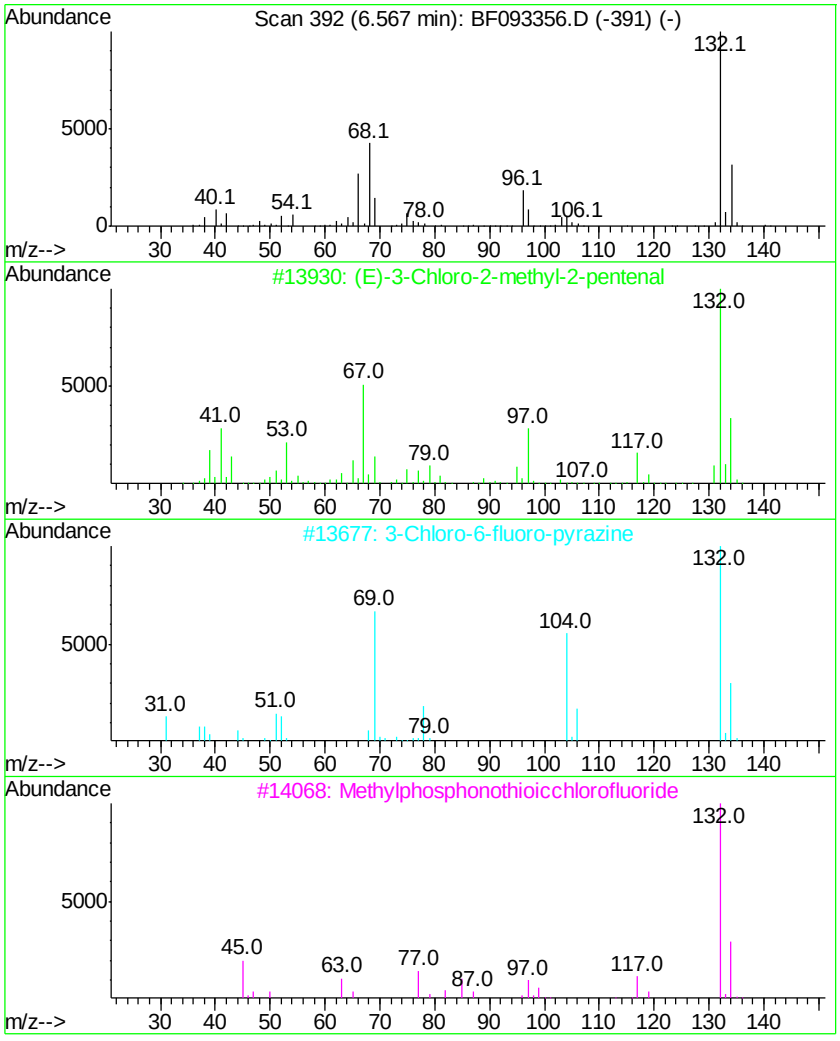
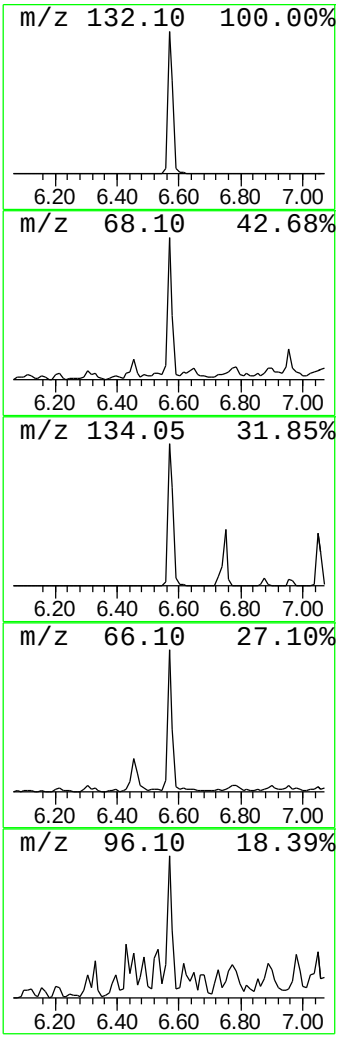
Peak Number 6 unknown6.57 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	12.26 ng	4103930	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





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Sample : I2057-02
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Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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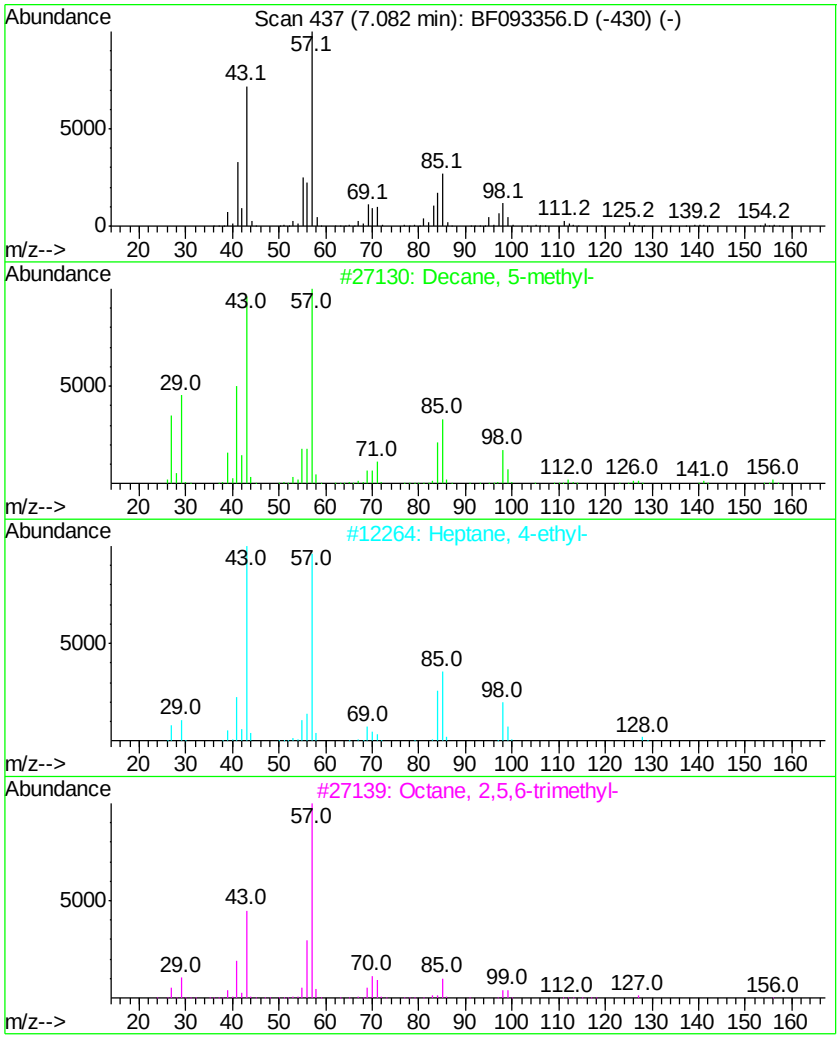
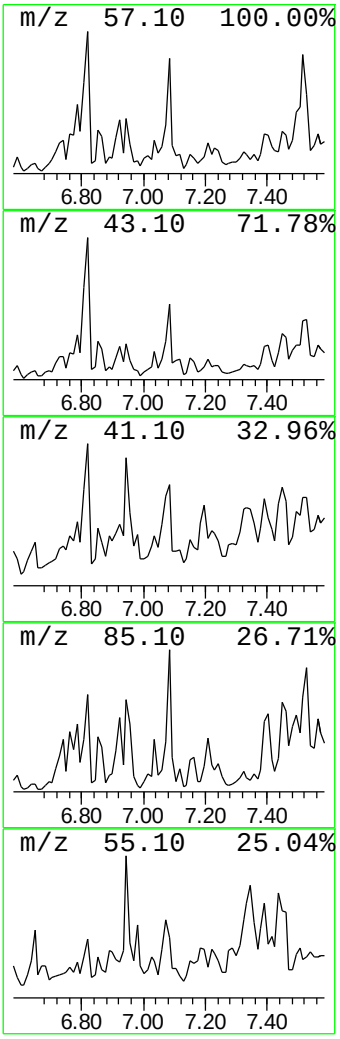
Peak Number 8 Decane, 5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	19.21 ng	6428640	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	53
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
3	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	46
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	43





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Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

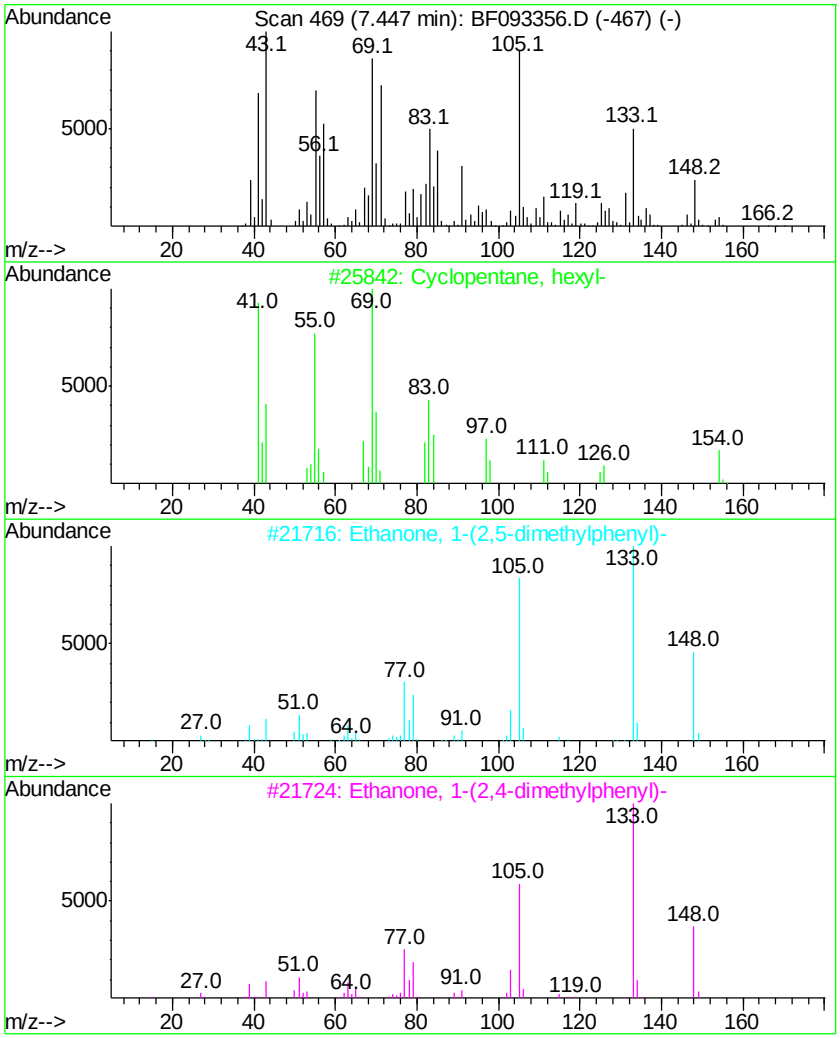
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

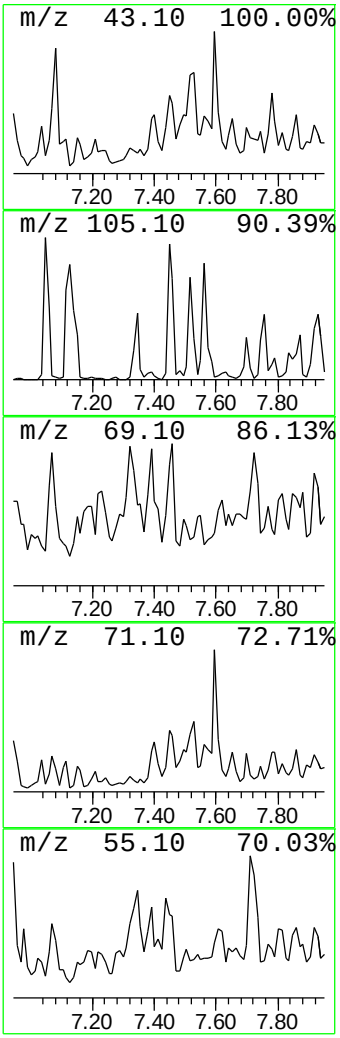
****

Peak Number 9 unknown7.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	13.36 ng	4470310	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, hexyl-	154	C11H22	004457-00-5	38
2	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	25
3	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	25
4	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	25
5	Cyclopentanol, 1,2-dimethyl-3-(1...	154	C10H18O	004028-60-8	18





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Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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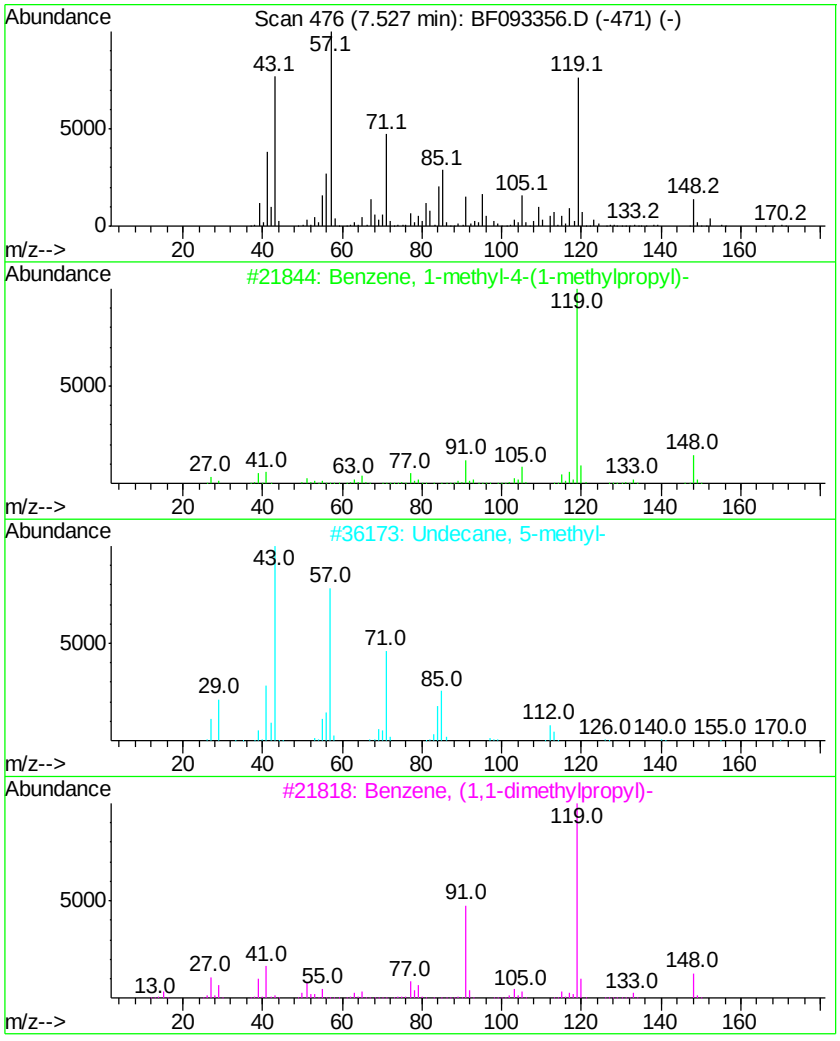
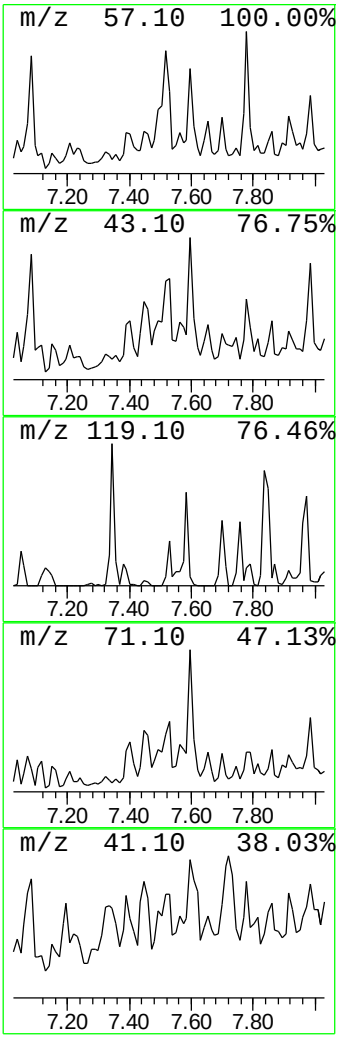
Peak Number 10 unknown7.53 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	11.27 ng	5246500	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	42
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	41
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	30
4	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	27
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25





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Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

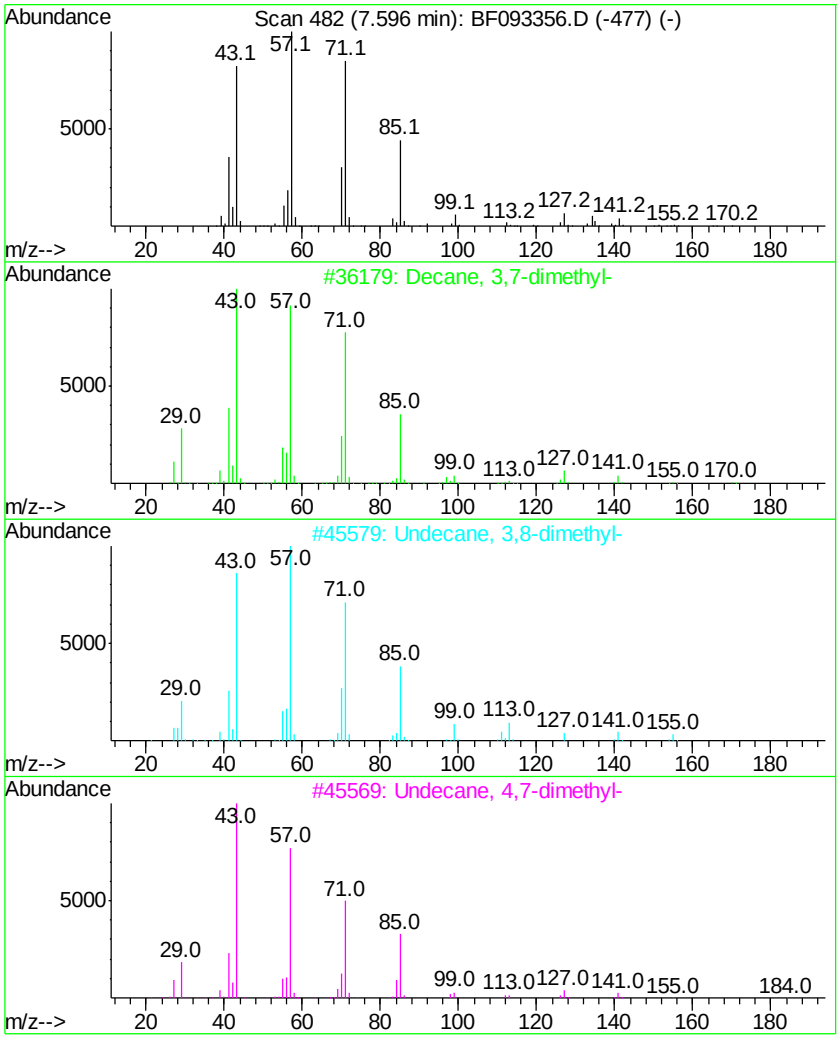
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

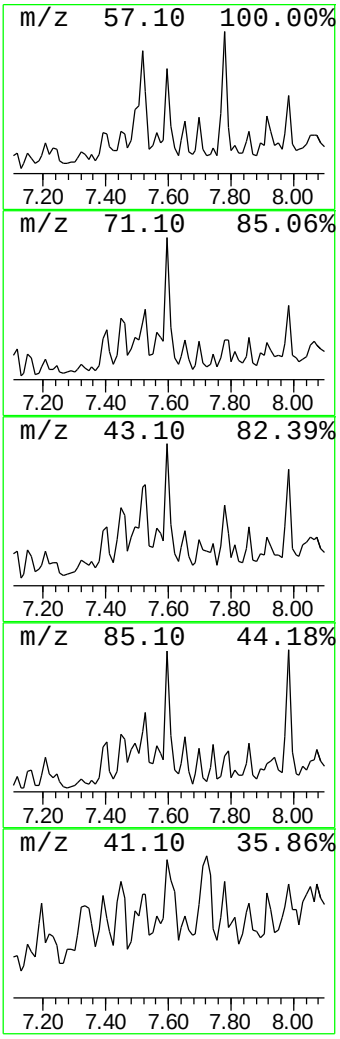
****

Peak Number 11 Decane, 3,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	10.34 ng	4815150	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	97
2	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	83
3	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	78
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
5	Nonadecane	268	C19H40	000629-92-5	72





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Sample : I2057-02
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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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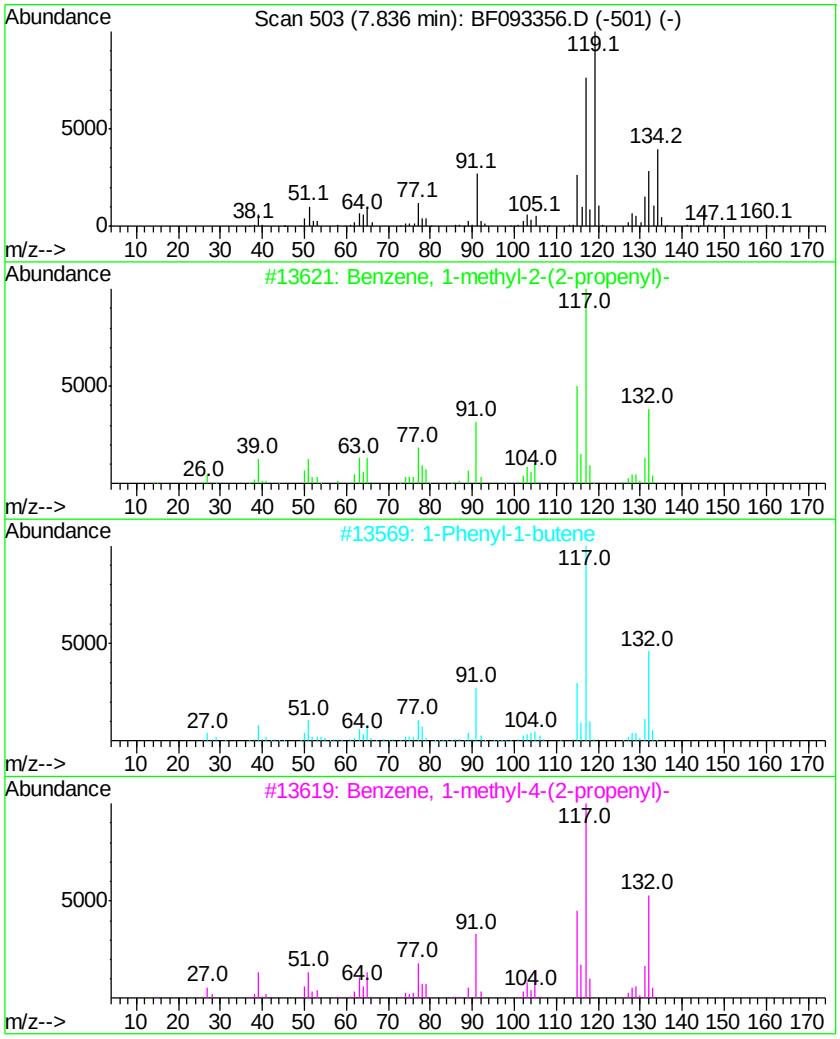
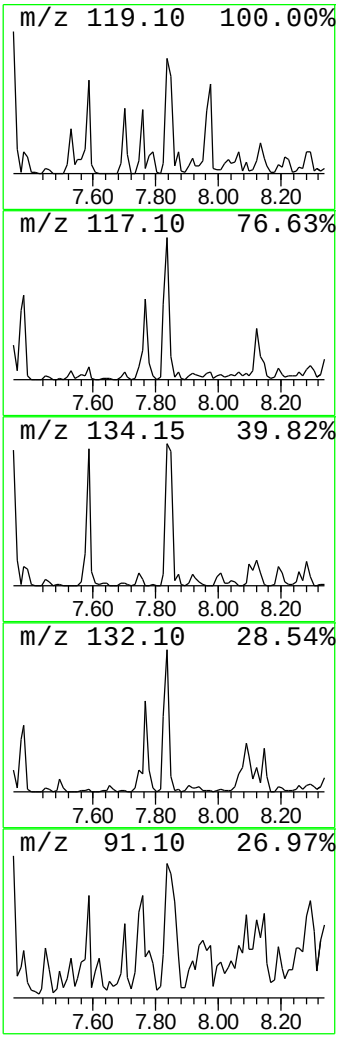
Peak Number 12 Benzene, 1-methyl-2-(2-prop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	11.84 ng	5513000	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50





Library Search Compound Report

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Data File : BF093356.D
Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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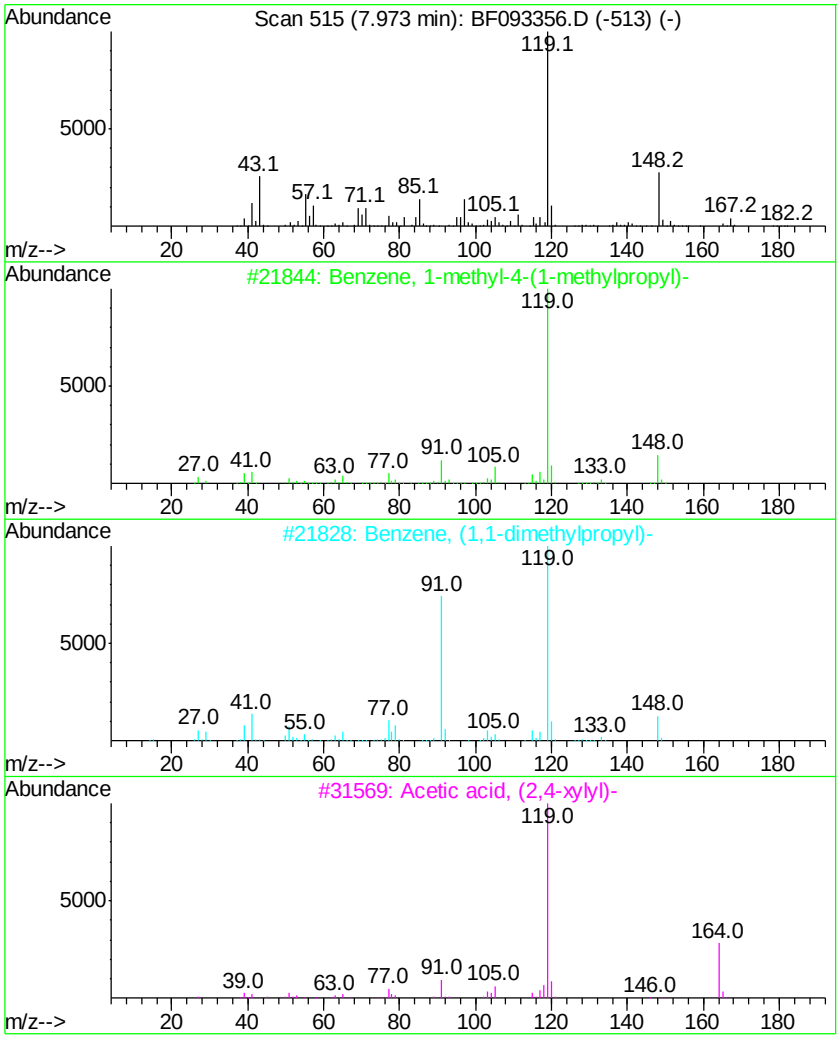
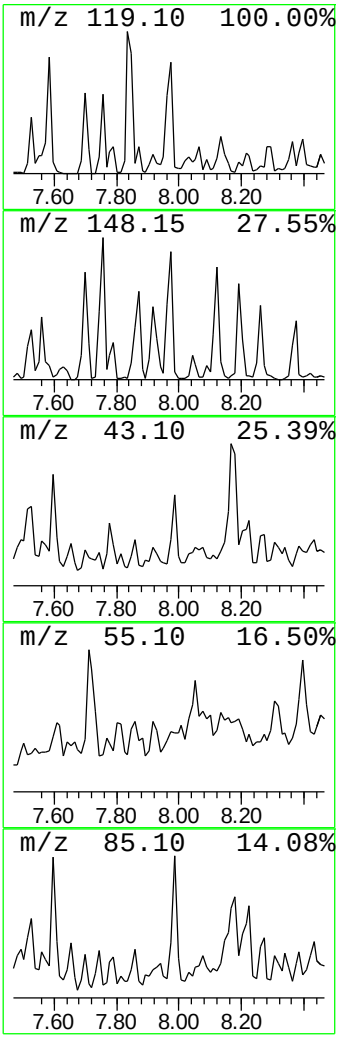
Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	10.13 ng	4716960	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
3	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	47
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	47
5	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	47





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Acq On : 3 Mar 2017 12:00
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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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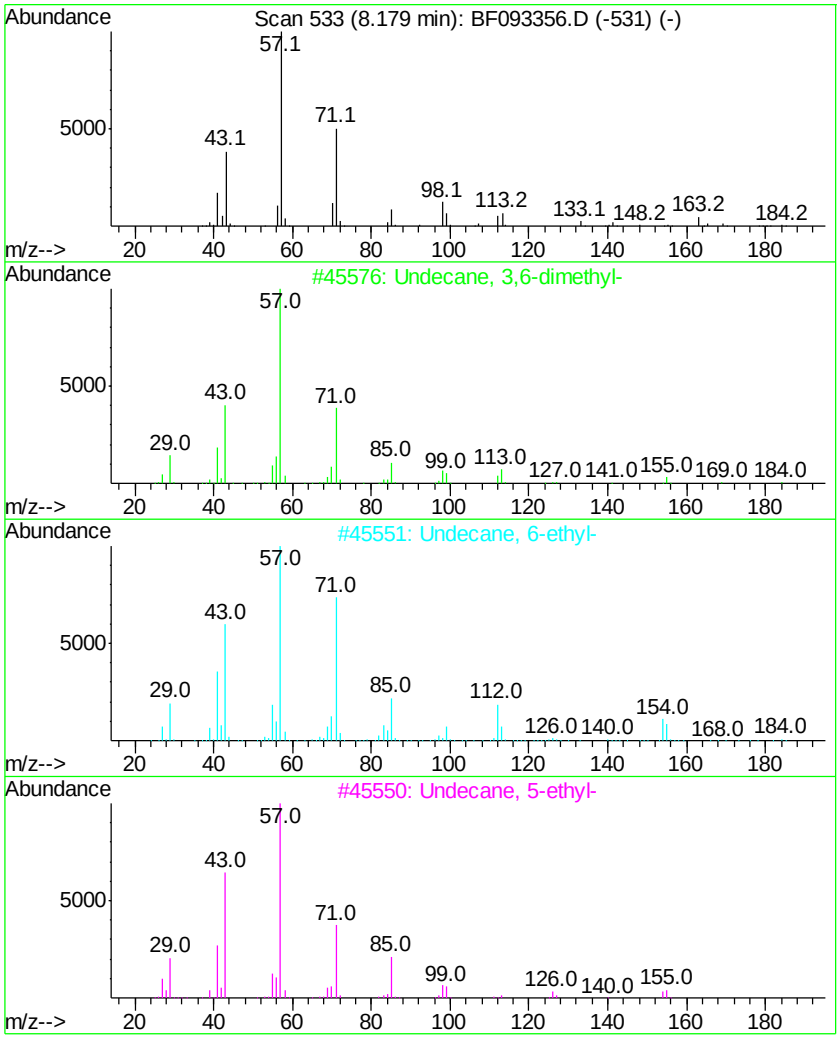
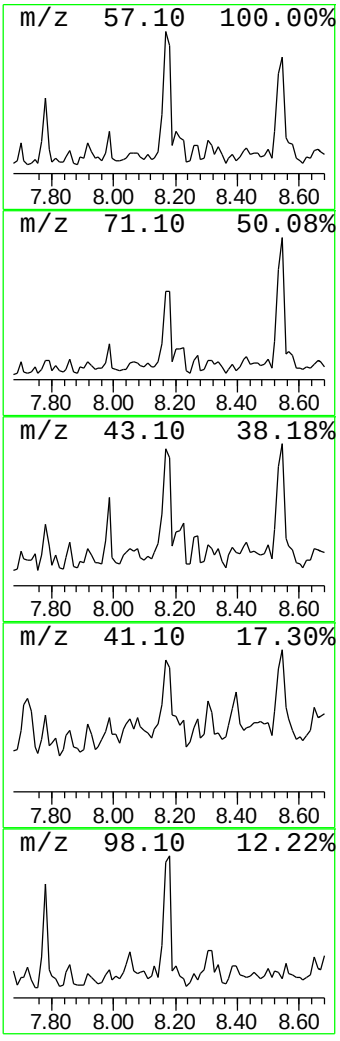
Peak Number 14 Undecane, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	11.31 ng	5263500	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	70
2	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
3	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	62
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59





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Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

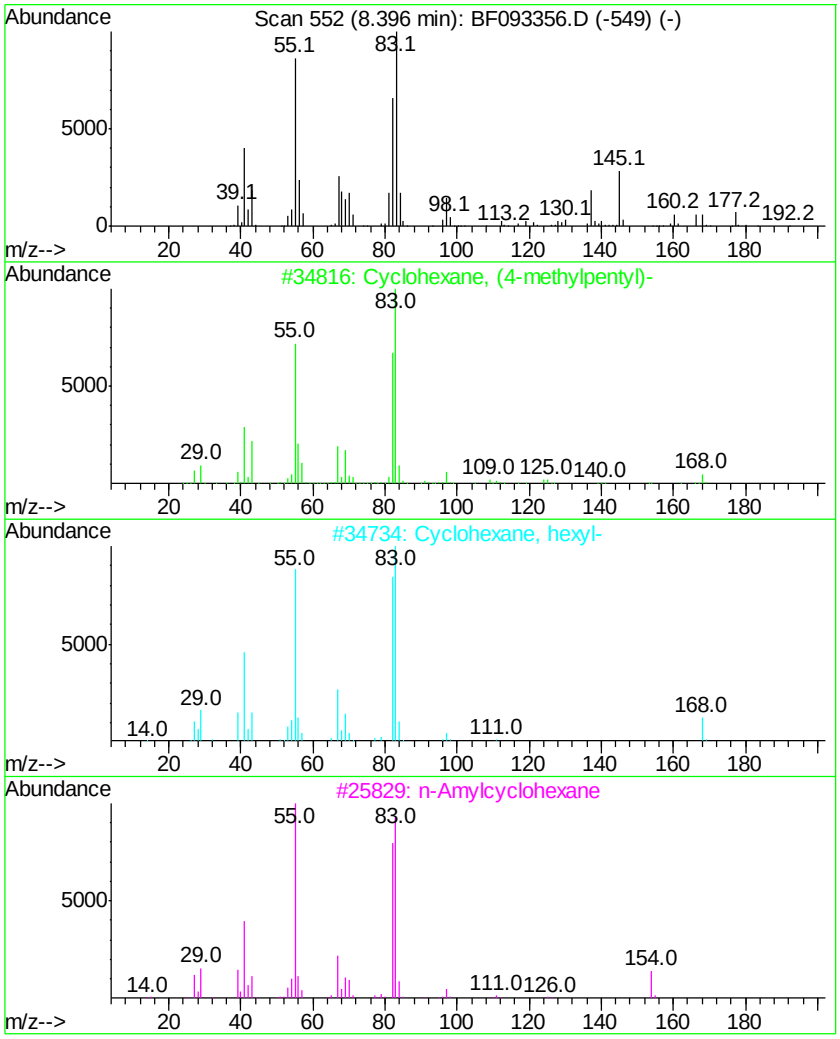
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

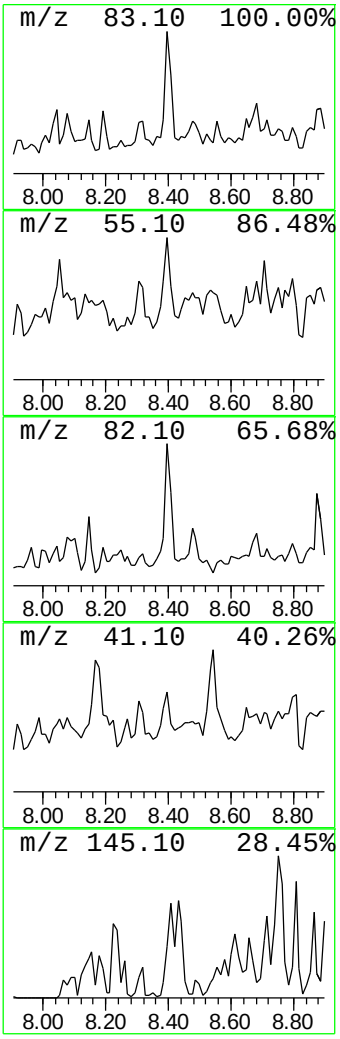
****

Peak Number 15 Cyclohexane, (4-methylpentyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	8.34 ng	3884850	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
3	n-Amylcyclohexane	154	C11H22	029949-27-7	59
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59





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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

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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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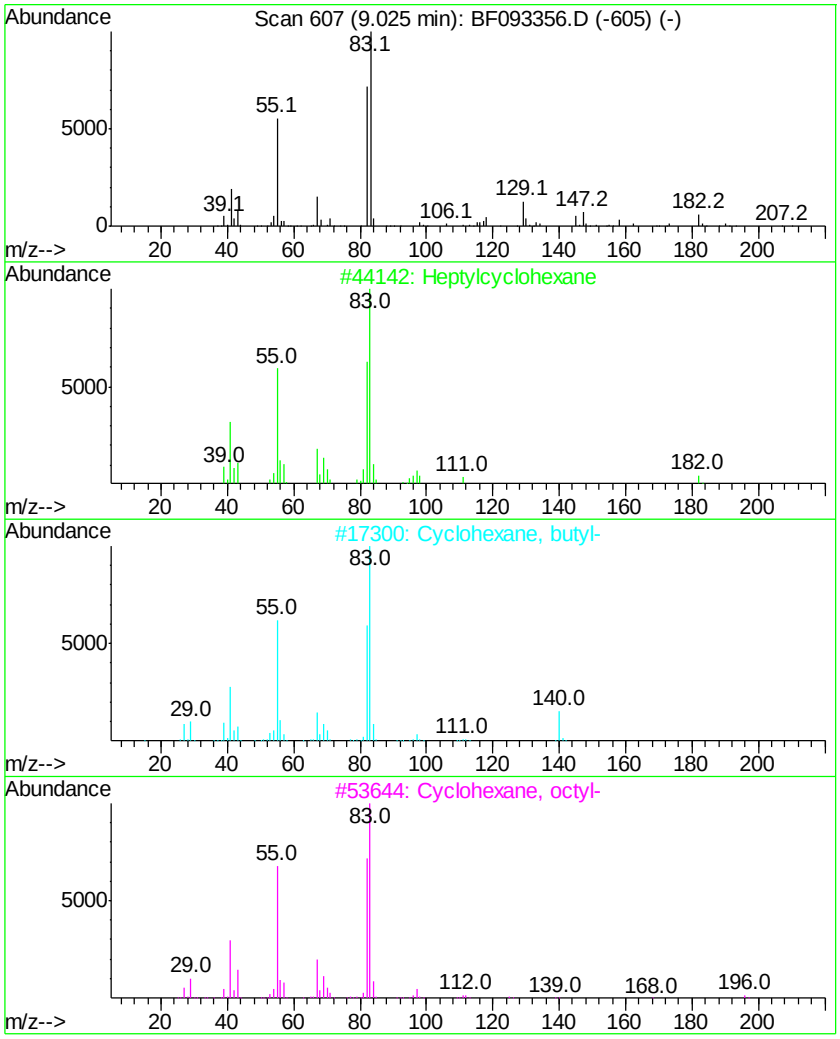
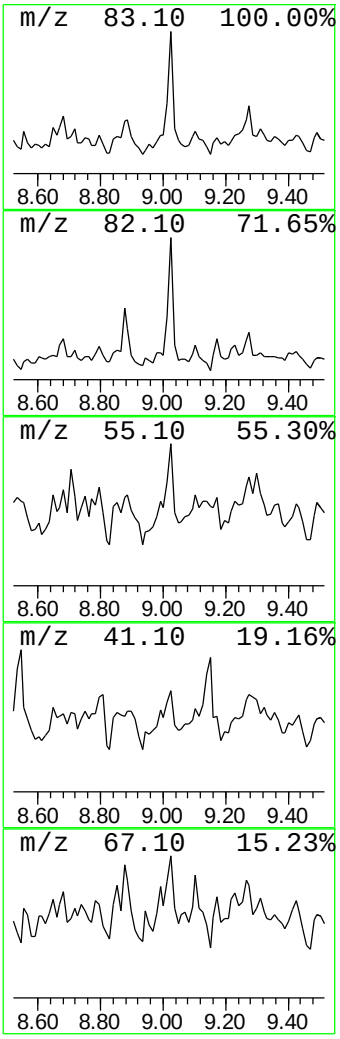
Peak Number 17 unknown9.02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	12.01 ng	1524090	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	45
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	42
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	42
4	Cyclohexane, decyl-	224	C16H32	001795-16-0	42
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	42





Library Search Compound Report

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Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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TIC Library : C:\DATABASE\NIST02.L
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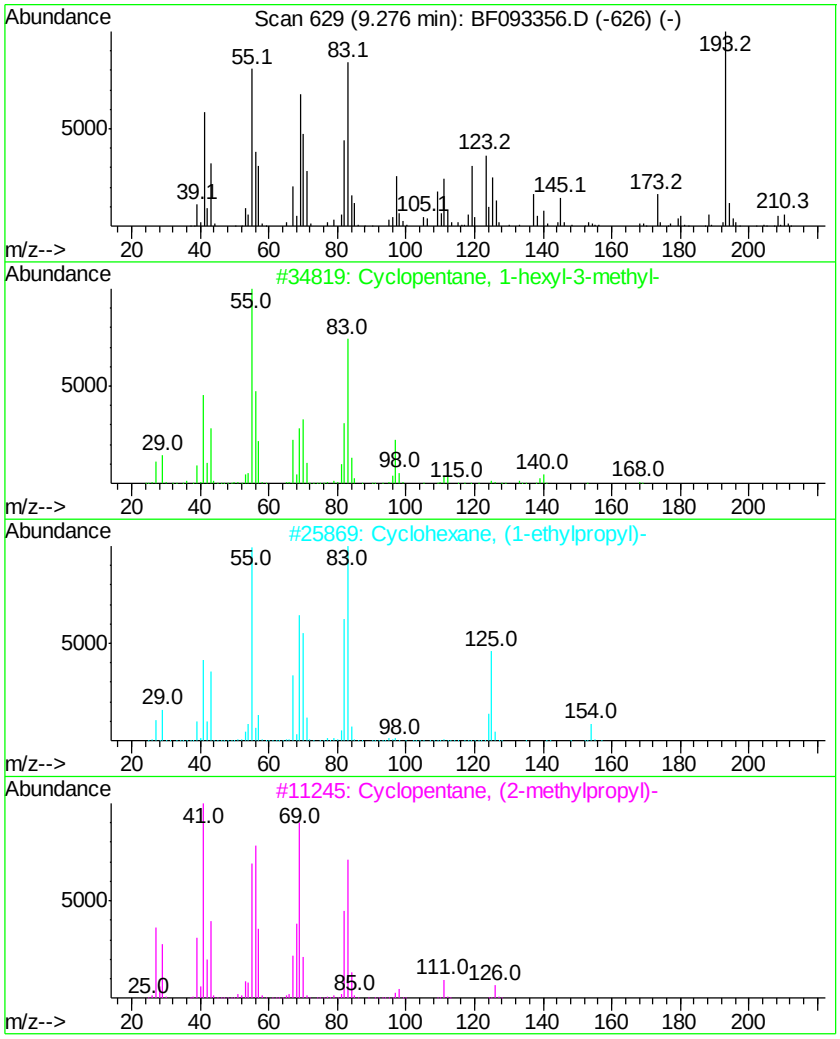
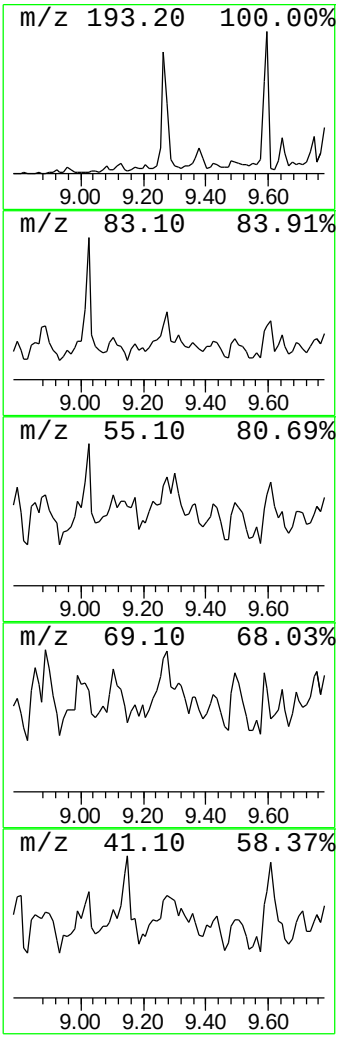
Peak Number 18 unknown9.28 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	31.71 ng	4024320	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	46
2	Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	43
3	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	30
4	4-Undecene, 3-methyl-, (Z)-	168	C12H24	074645-87-7	27
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	25





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Sample : I2057-02
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ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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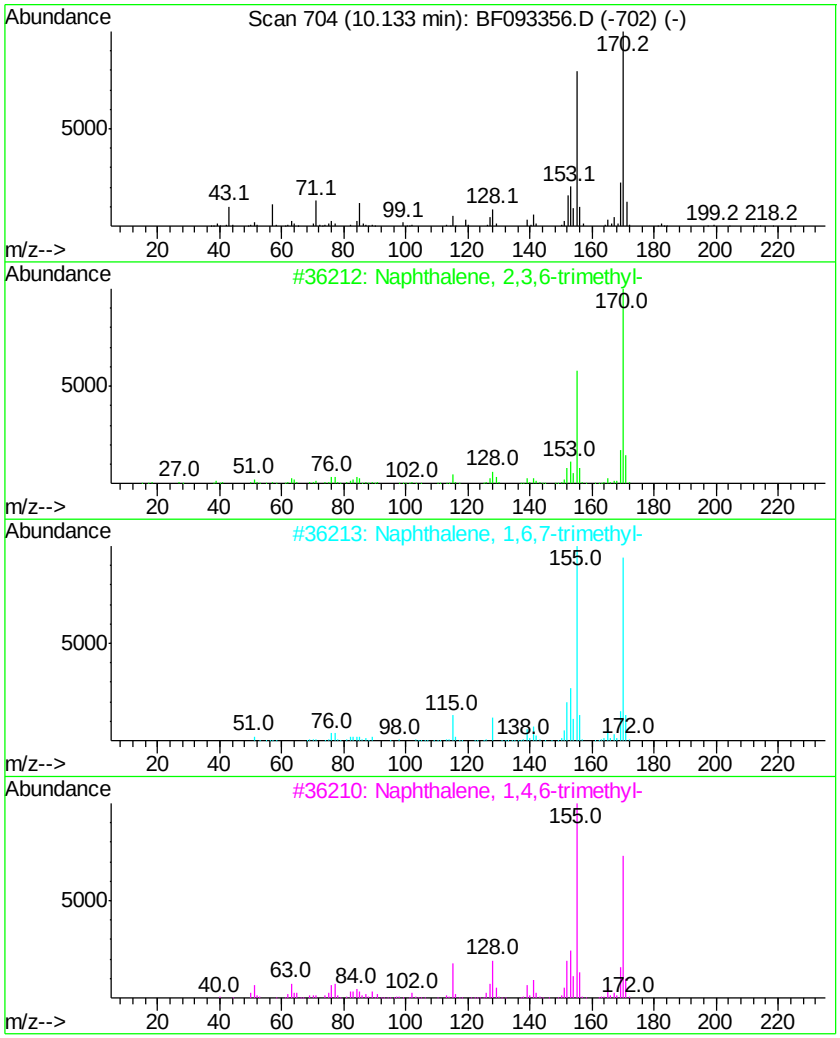
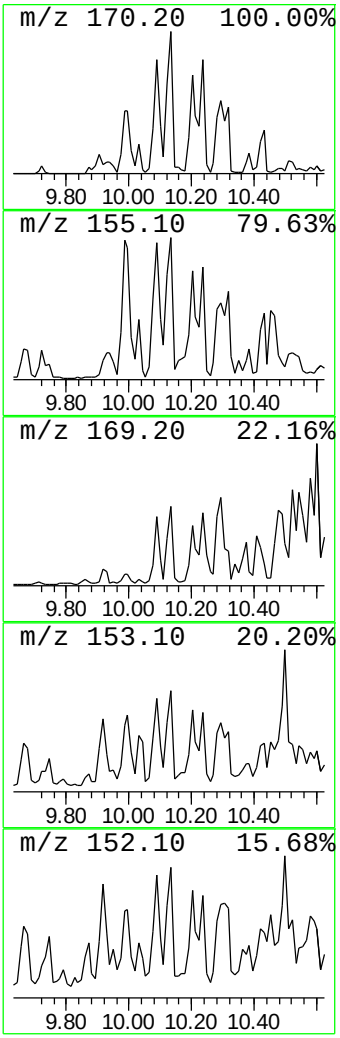
Peak Number 19 Naphthalene, 2,3,6-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	20.00 ng	2537820	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87





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ALS Vial : 38 Sample Multiplier: 1

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

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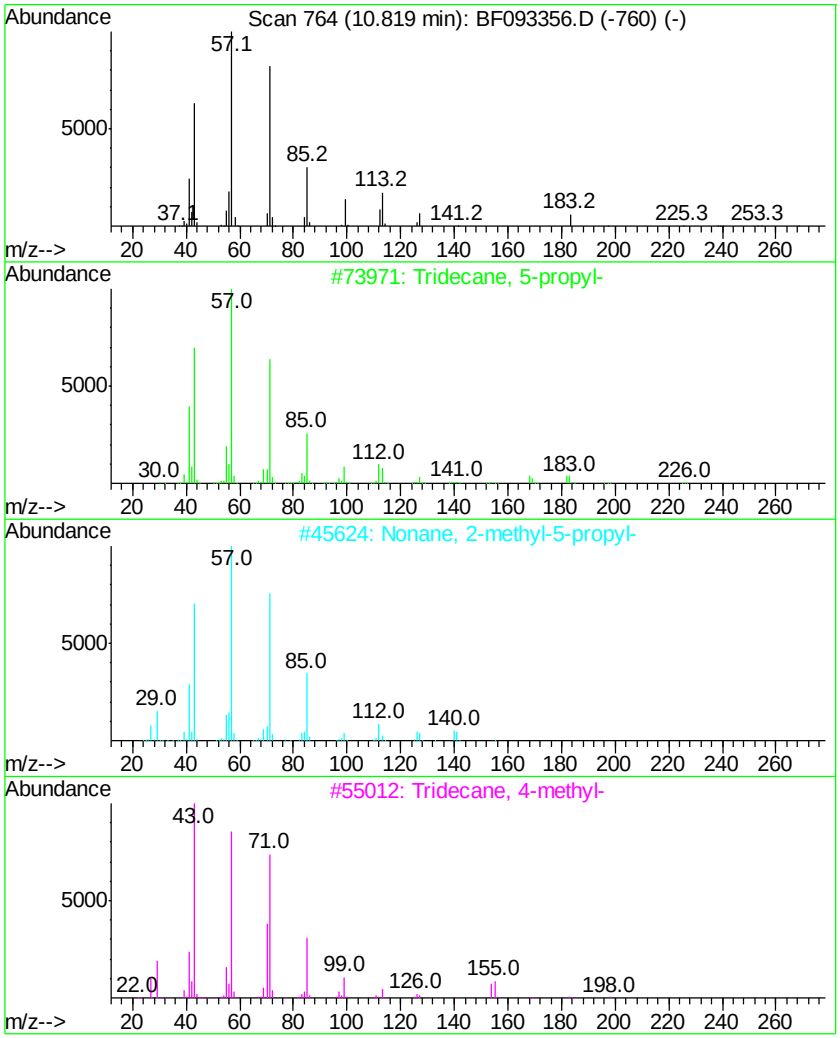
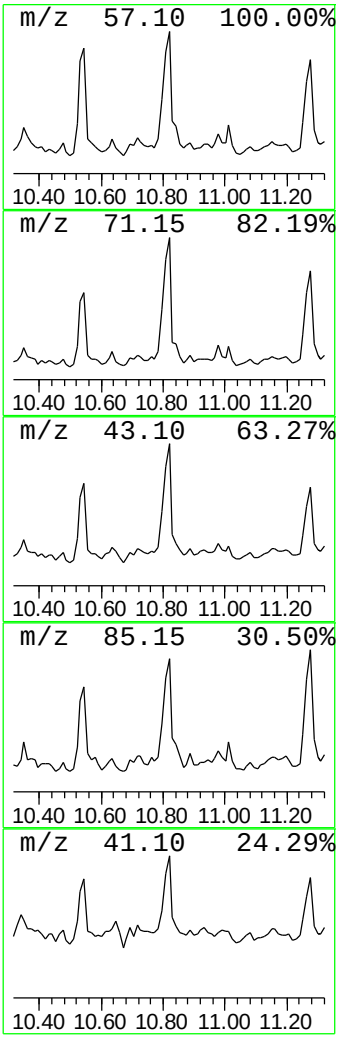
Peak Number 20 Tridecane, 5-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	20.00 ng	3570190	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
2	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	72
4	3,5-Dimethyl-4-octanone	156	C10H20O	007335-17-3	64
5	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
Data File : BF093356.D
Acq On : 3 Mar 2017 12:00
Operator : SJ/MA
Sample : I2057-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 21B-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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
7-Methylbicyclo[4...	5.92	8.5	ng	2848880	1	6.80	6692260	20.0
Decane, 2,5,6-tri...	6.21	9.4	ng	3142840	1	6.80	6692260	20.0
Cyclohexane, 1,2,...	6.30	9.8	ng	3293130	1	6.80	6692260	20.0
Cyclohexane, 1-et...	6.53	12.3	ng	4111400	1	6.80	6692260	20.0
unknown6.57	6.57	12.3	ng	4103930	1	6.80	6692260	20.0
Decane, 5-methyl-	7.08	19.2	ng	6428640	1	6.80	6692260	20.0
unknown7.45	7.45	13.4	ng	4470310	1	6.80	6692260	20.0
unknown7.53	7.53	11.3	ng	5246500	2	8.10	9310640	20.0
Decane, 3,7-dimet...	7.60	10.3	ng	4815150	2	8.10	9310640	20.0
Benzene, 1-methyl...	7.84	11.8	ng	5513000	2	8.10	9310640	20.0
Benzene, 1-methyl...	7.97	10.1	ng	4716960	2	8.10	9310640	20.0
Undecane, 3,6-dim...	8.18	11.3	ng	5263500	2	8.10	9310640	20.0
Cyclohexane, (4-m...	8.40	8.3	ng	3884850	2	8.10	9310640	20.0
unknown9.02	9.02	12.0	ng	1524090	3	9.88	2537820	20.0
unknown9.28	9.28	31.7	ng	4024320	3	9.88	2537820	20.0
Naphthalene, 2,3,...	10.13	20.0	ng	2537820	3	9.88	2537820	20.0
Tridecane, 5-propyl-	10.82	20.0	ng	3570190	4	11.37	3570190	20.0