LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

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-BF121815.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	5.767	320	322	326	rVB	198014	181606	2.81%	0.246%
2	6.019	341	344	346	rVB2	118081	155650	2.41%	0.211%
3	6.064	346	348	351	rBV3	56595	119242	1.85%	0.162%
4	6.110	351	352	356	rVV2	378147	579160	8.97%	0.785%
5	6.179	356	358	359	rVV	161228	252792	3.91%	0.342%
6	6.202	359	360	366	rVB4	93639	261574	4.05%	0.354%
7	6.316	366	370	372	rBV2	266300	605747	9.38%	0.821%
8	6.396	372	377	378	rVV2	1282261	2157822	33.41%	2.923%
9	6.464	381	383	386	rVV	944891	1123468	17.39%	1.522%
10	6.522	386	388	389	rVV	164589	206317	3.19%	0.280%
11	6.556	389	391	394	rVV	656614	820085	12.70%	1.111%
12	6.613	394	396	398	rVV	296916	614014	9.51%	0.832%
13	6.693	401	403	407	rVV2	1923538	3937432	60.96%	5.334%
14	6.819	410	414	417	rVV4	193920	605306	9.37%	0.820%
15	6.864	417	418	419	rVV	553516	500881	7.75%	0.679%
16	6.899	419	421	422	rVV2	526701	728561	11.28%	0.987%
17	6.933	422	424	426	rVV2	515748	829041	12.83%	1.123%
18	6.967	426	427	428	rVV	157663	168017	2.60%	0.228%
19	7.024	428	432	433	rVV2	548665	1106576	17.13%	1.499%
20	7.047	433	434	436	rVV2	195038	255769	3.96%	0.347%
21	7.150	436	443	445	rVV	836455	1970712	30.51%	2.670%
22	7.184	445	446	448	rVV2	729367	899678	13.93%	1.219%
23	7.219	448	449	451	rVV	1215712	1389028	21.50%	1.882%
24	7.264	451	453	456	rVV	1201270	1810234	28.02%	2.453%
25	7.322	456	458	460	rVV2	497883	1035800	16.04%	1.403%
26	7.413	463	466	469	rVV4	784934	2229504	34.52%	3.021%
27	7.493	469	473	474	rVV	3973345	6459463	100.00%	8.751%
28	7.527	474	476	478	rVV2	787333	1625261	25.16%	2.202%
29	7.596	478	482	484	rVV3	1109292	2999629	46.44%	4.064%
30	7.642	484	486	487	rVV	830283	1546749	23.95%	2.096%
31	7.687	487	490	491	rVV2	1333871	2592370	40.13%	3.512%
32	7.722	491	493	494	rVV	618297	1017754	15.76%	1.379%
33	7.779	494	498	502	rVV6	1152583	4082593	63.20%	5.531%
34	7.847	502	504	506	rVV2	1570938	3029756	46.90%	4.105%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.882	506	507	508	rVV	1441713	1364757	21.13%	1.849%
36	7.916	508	510	512	rVV	1890309	2831835	43.84%	3.837%
37	7.962	512	514	515	rVV	1718562	2133454	33.03%	2.890%
38	7.985	515	516	518	rVV2	684367	1063015	16.46%	1.440%
39	8.030	518	520	522	rVV2	503084	1258806	19.49%	1.705%
40	8.065	522	523	524	rVV	600630	682314	10.56%	0.924%
41	8.099	524	526	527	rVV2	657291	1143402	17.70%	1.549%
42	8.156	527	531	533	rVV	4041874	6179635	95.67%	8.372%
43	8.225	533	537	538	rVV2	1353083	2222993	34.41%	3.012%
44	8.259	538	540	543	rVV4	505618	1227562	19.00%	1.663%
45	8.316	543	545	547	rVV2	306038	517843	8.02%	0.702%
46	8.362	547	549	550	rVV2	221728	385112	5.96%	0.522%
47	8.453	553	557	560	rVV3	494027	983022	15.22%	1.332%
48	8.499	560	561	563	rVV2	232163	239433	3.71%	0.324%
49	8.533	563	564	566	rVB	335554	330166	5.11%	0.447%
50	8.579	566	568	570	rBV	384618	368947	5.71%	0.500%
51	8.750	581	583	585	rVB	486016	406310	6.29%	0.550%
52	9.310	630	632	635	rBV	68009	66693	1.03%	0.090%
53	9.905	681	684	686	rBV	672540	616950	9.55%	0.836%
54	11.391	811	814	816	rBV	460144	638188	9.88%	0.865%
55	14.019	1042	1044	1047	rBV	666145	691509	10.71%	0.937%
56	15.460	1168	1170	1173	rBV	454313	561833	8.70%	0.761%

Sum of corrected areas: 73811370

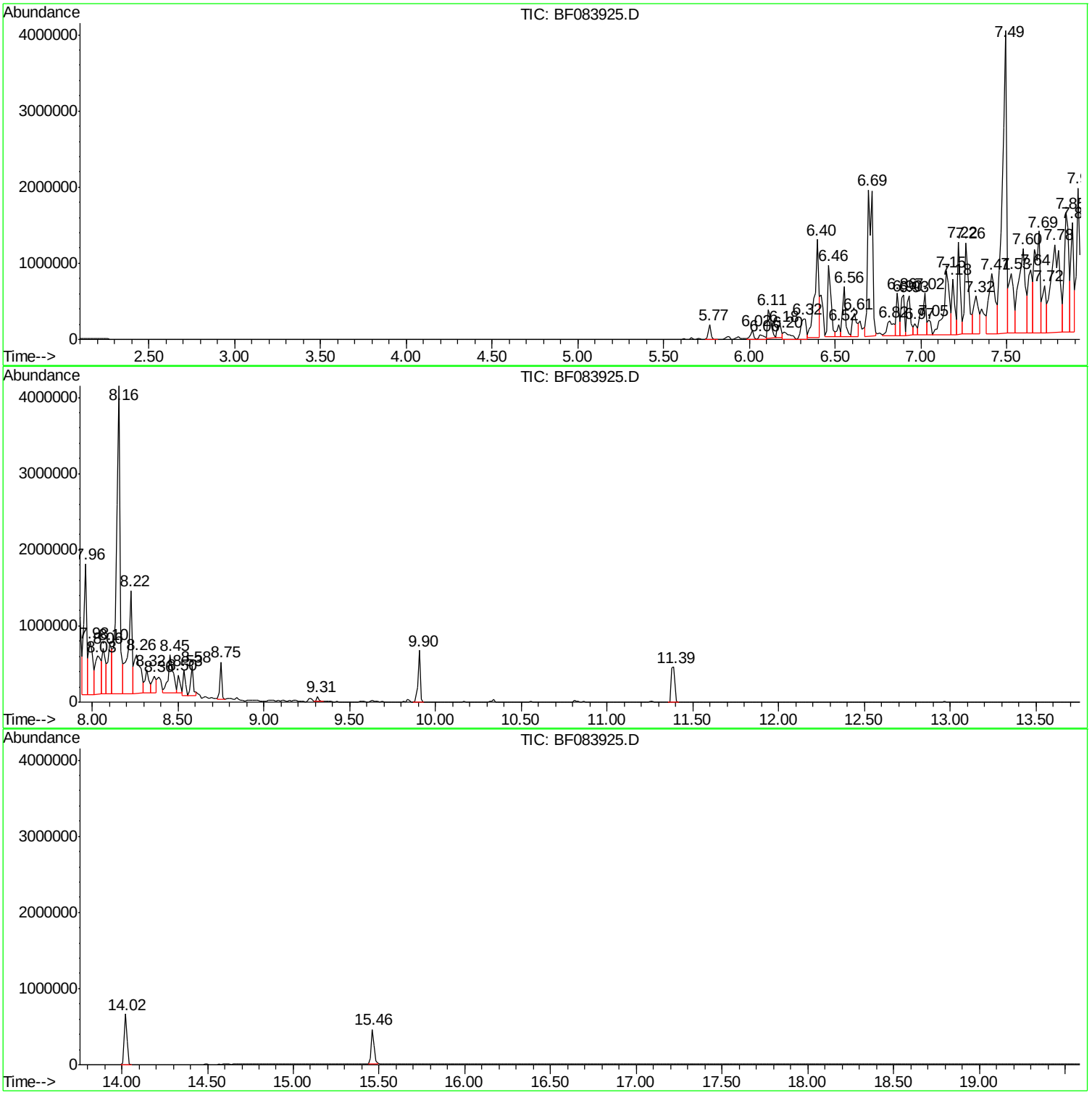
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

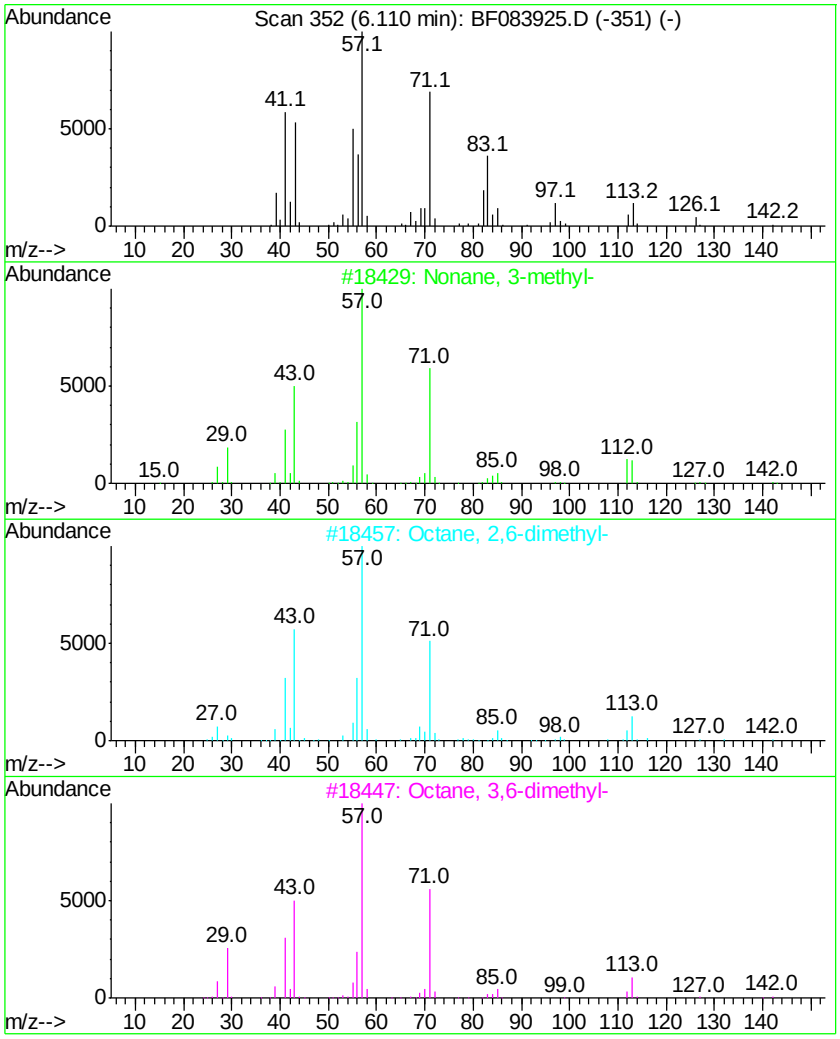
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

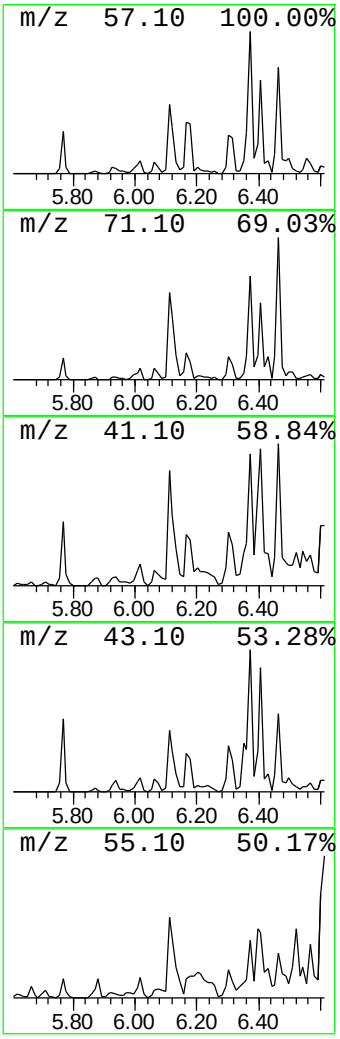
****

Peak Number 1 Nonane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	23.13 ng	579160	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	70
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	70
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	49
4	3-Bromooctane	192	C8H17Br	000999-64-4	46
5	Oxirane, pentyl-	114	C7H14O	005063-65-0	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

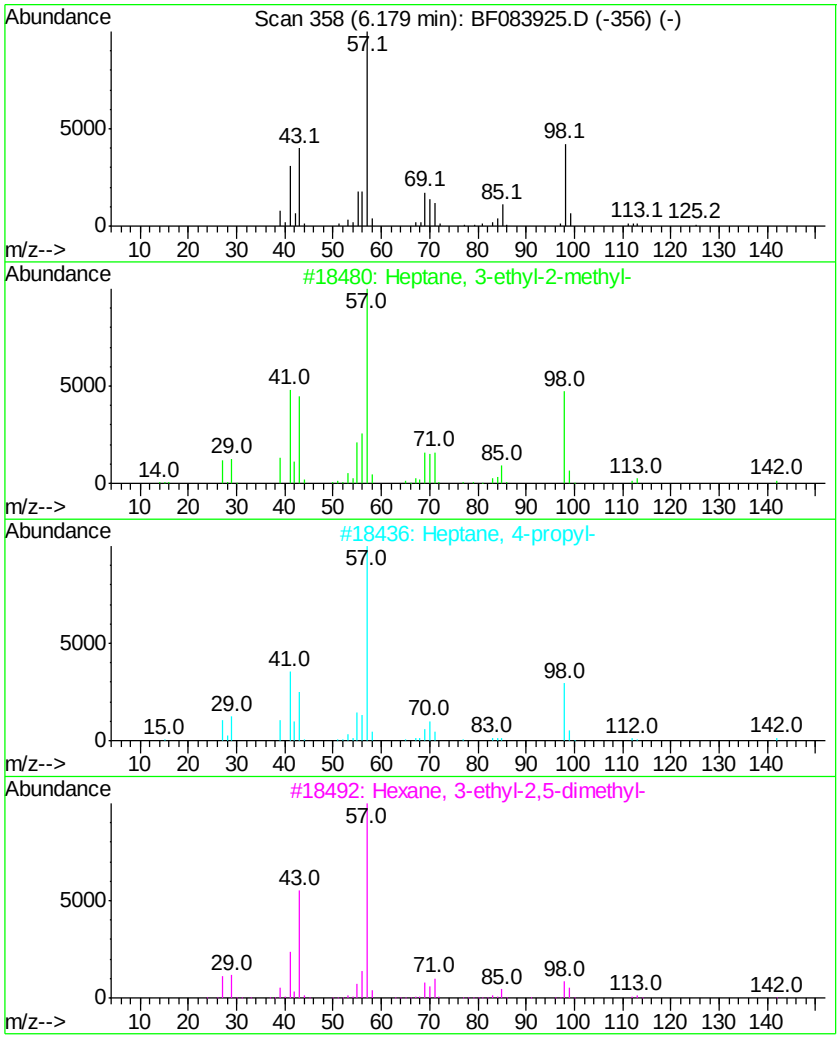
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

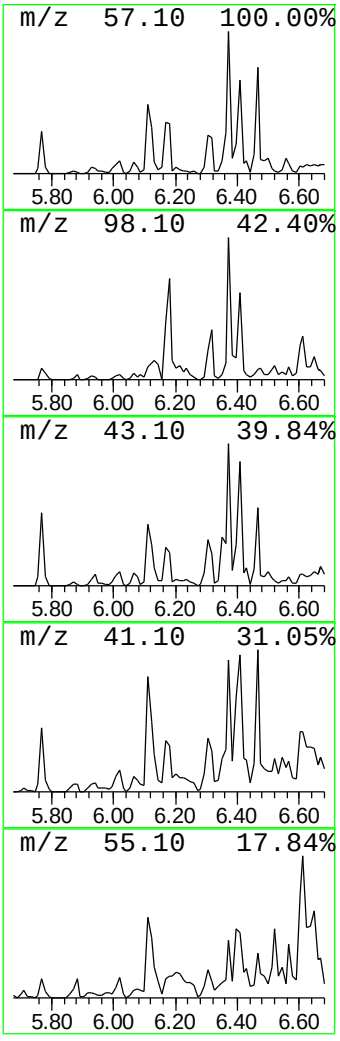
****

Peak Number 2 Heptane, 3-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	10.09 ng	252792	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	64
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	56
5	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

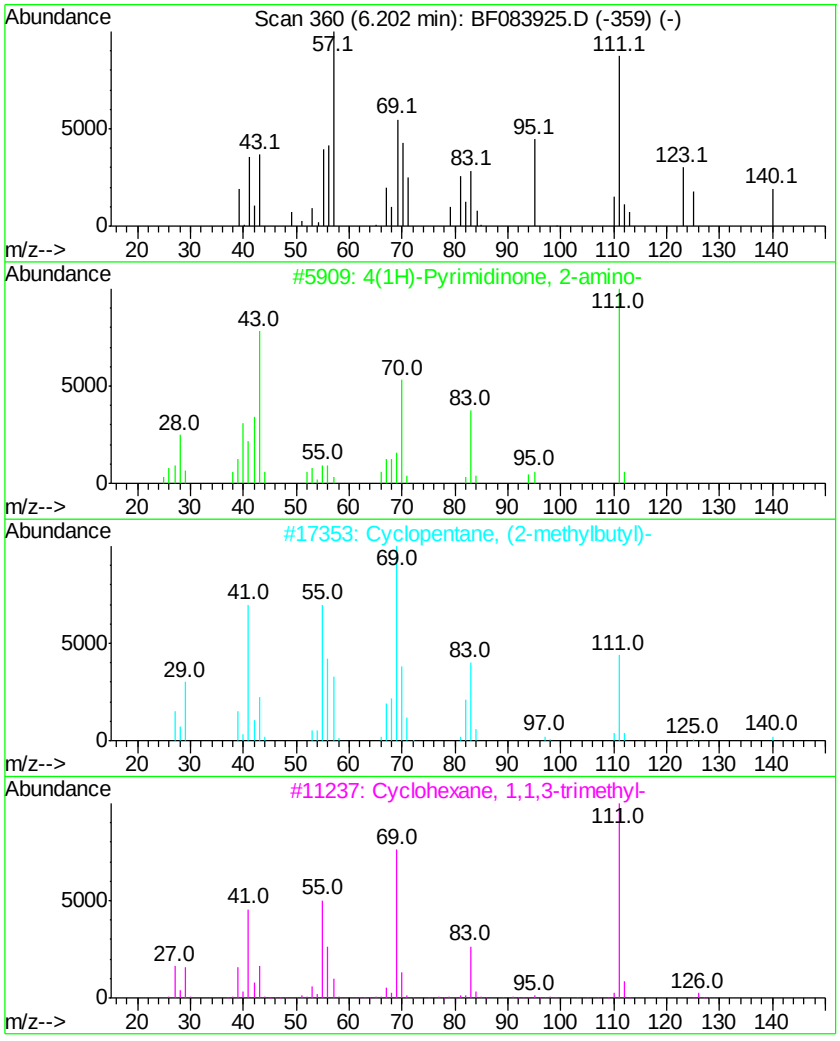
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

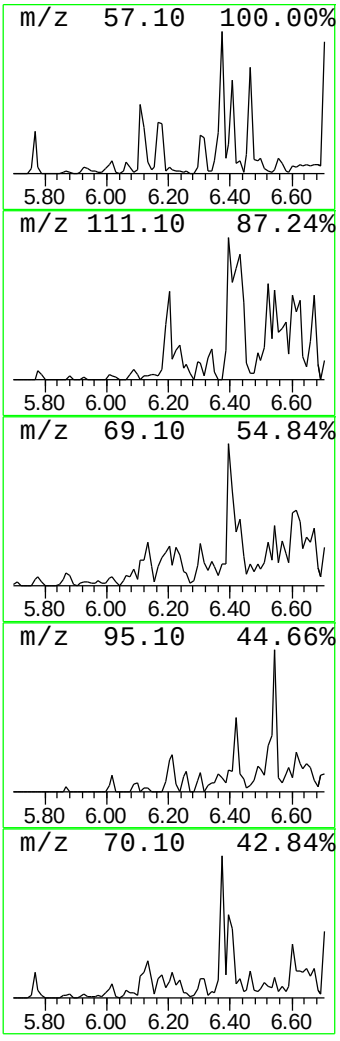
****

Peak Number 3 unknown6.20 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	10.44 ng	261574	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 2-amino-	111	C4H5N3O	000108-53-2	38
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
4	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	38
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

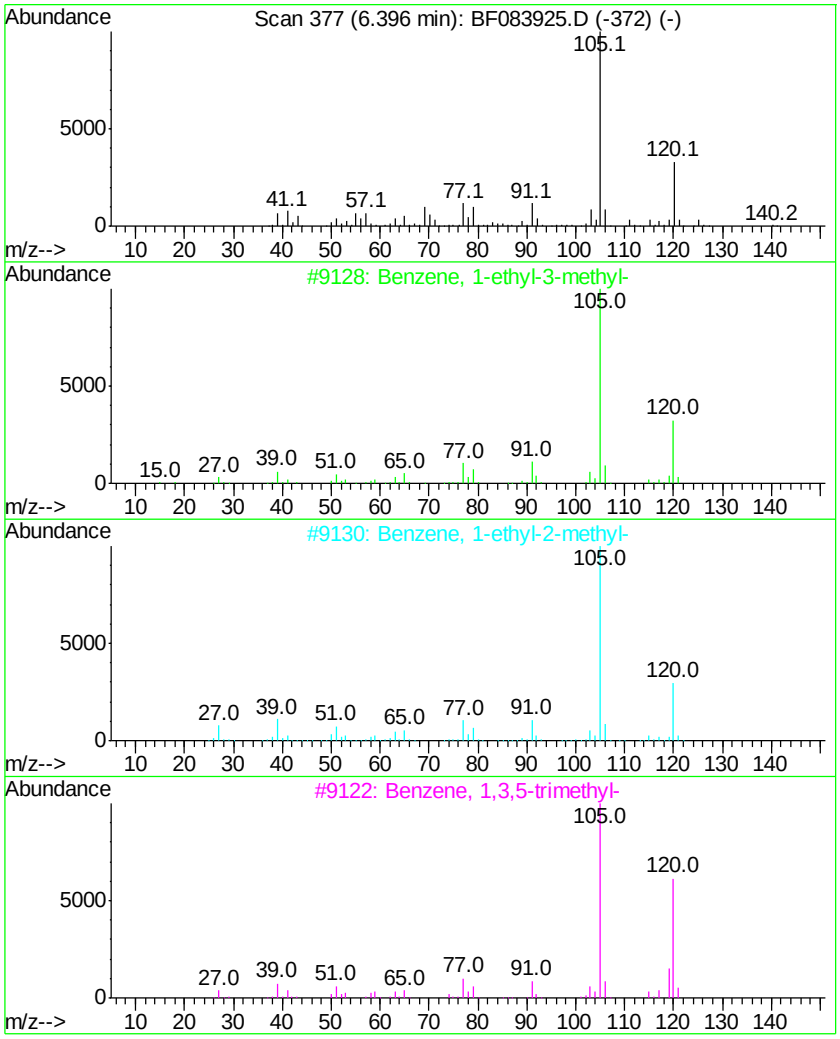
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

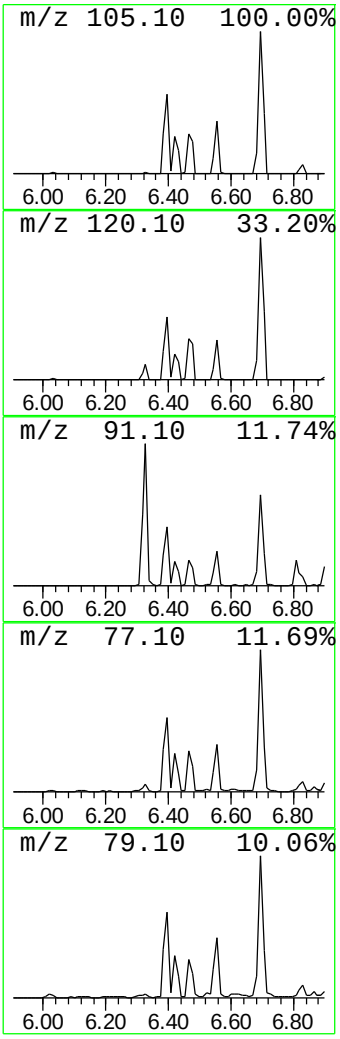
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	86.16 ng	2157820	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

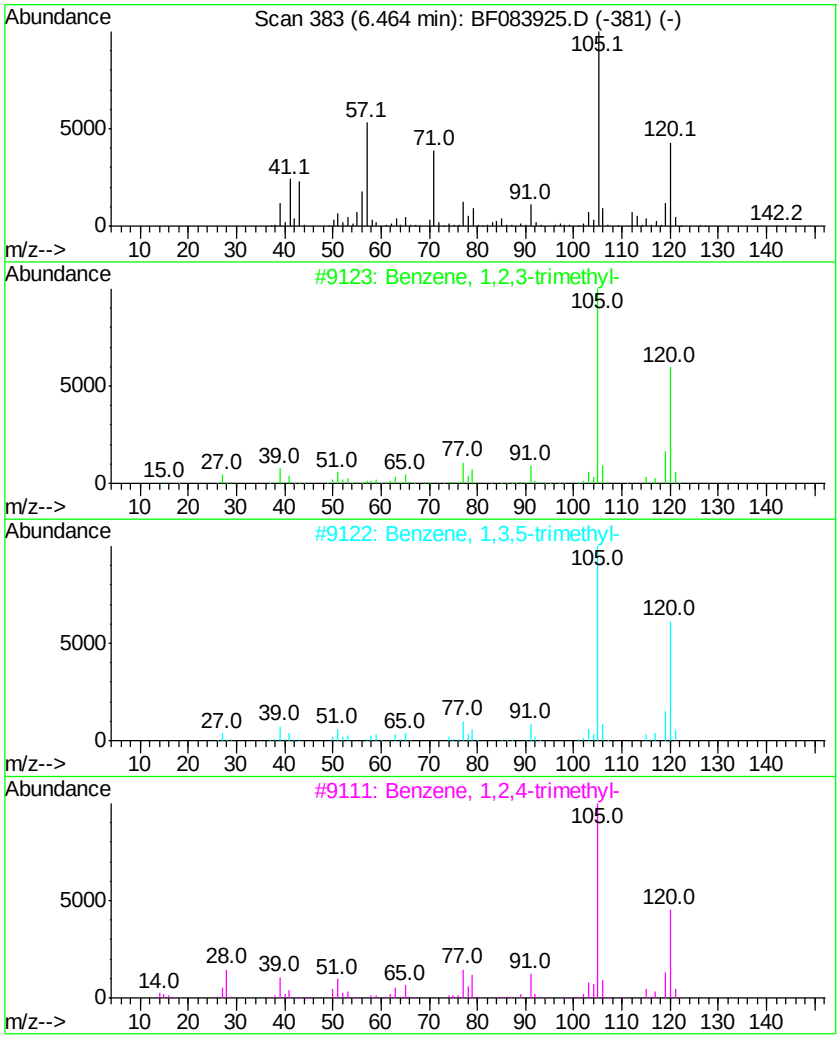
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

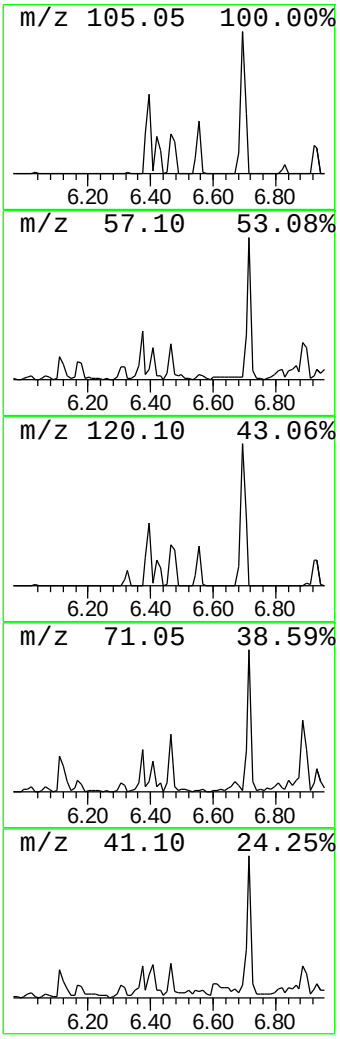
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	44.86 ng	1123470	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	83
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

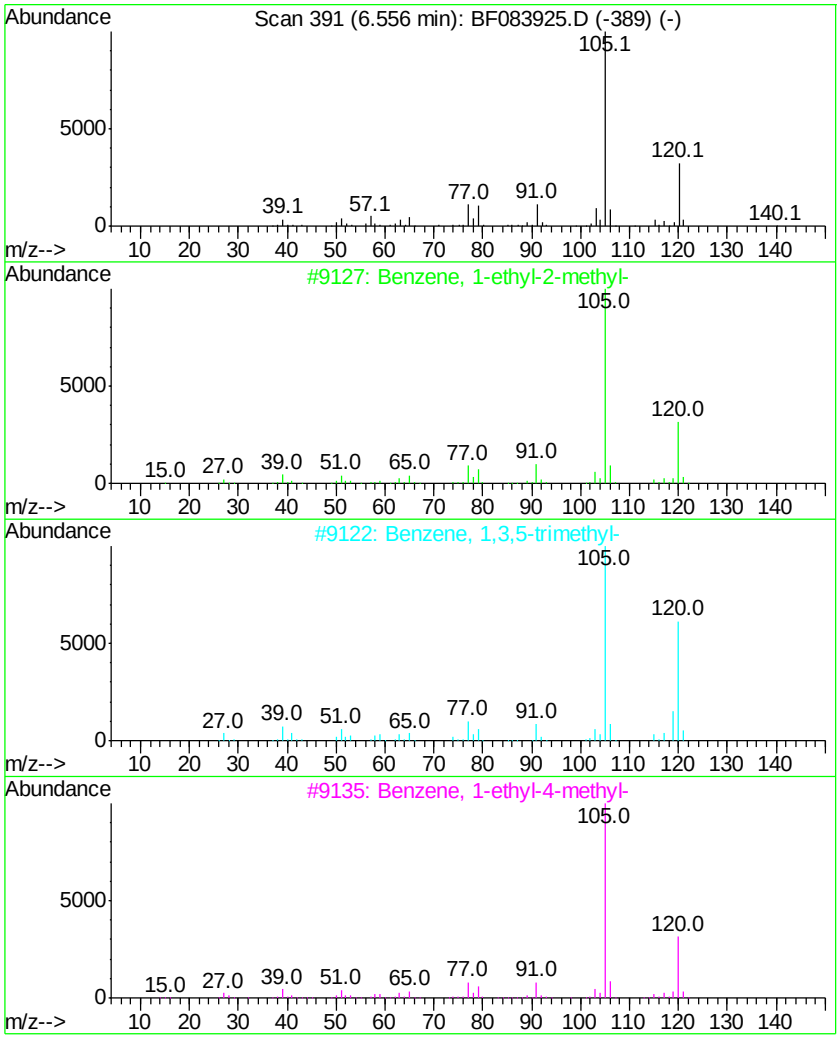
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

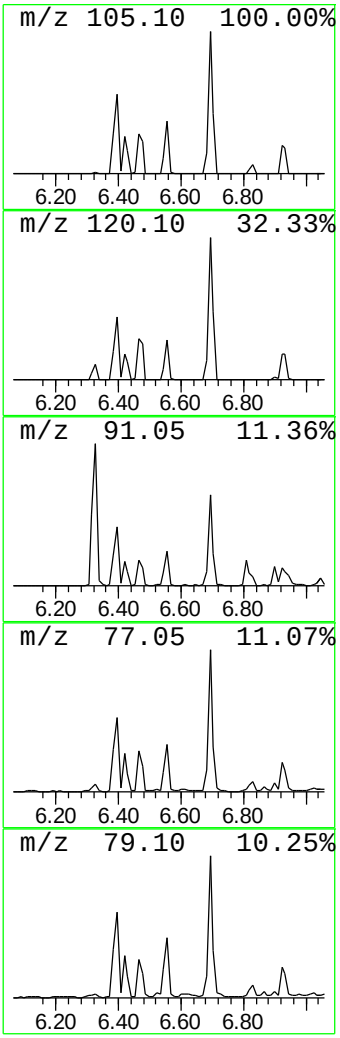
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	32.75 ng	820085	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

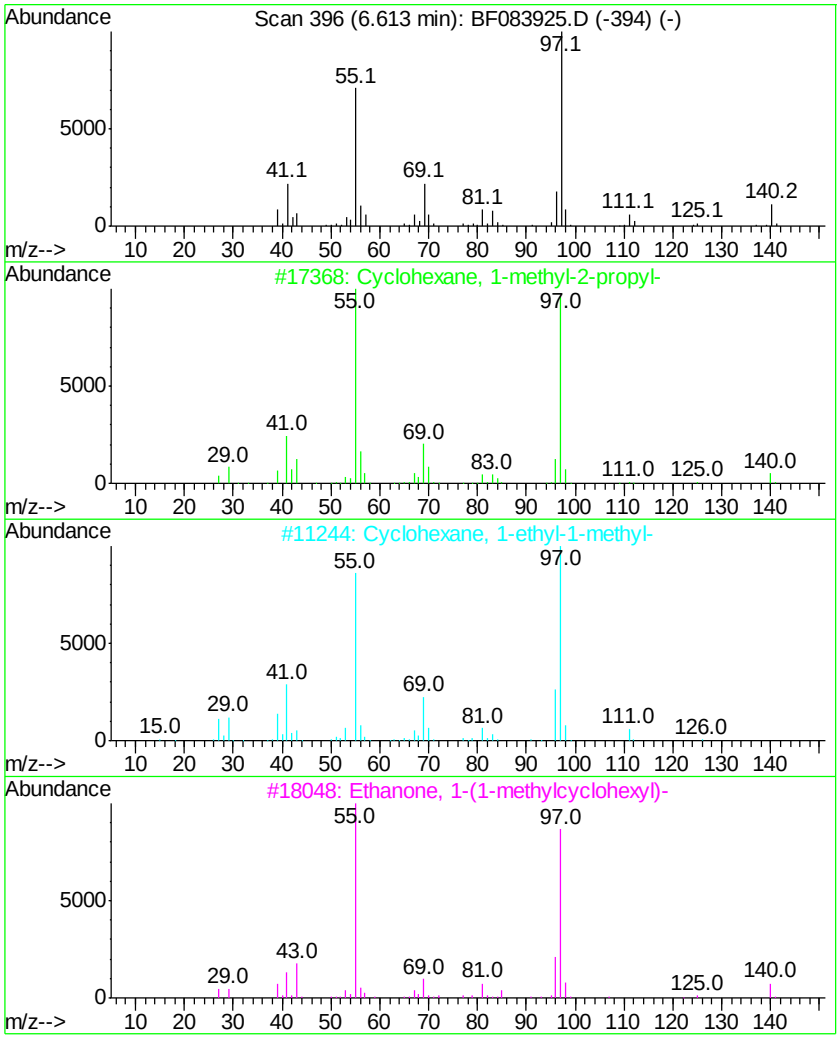
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

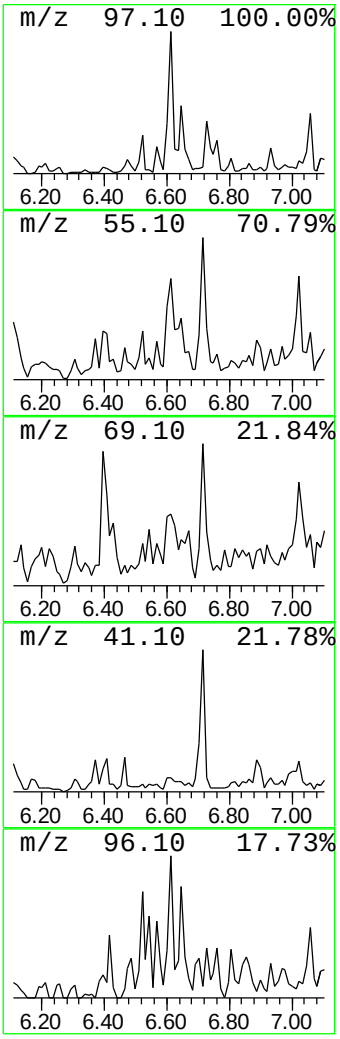
****

Peak Number 8 Cyclohexane, 1-methyl-2-pro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	24.52 ng	614014	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	87
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	80
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

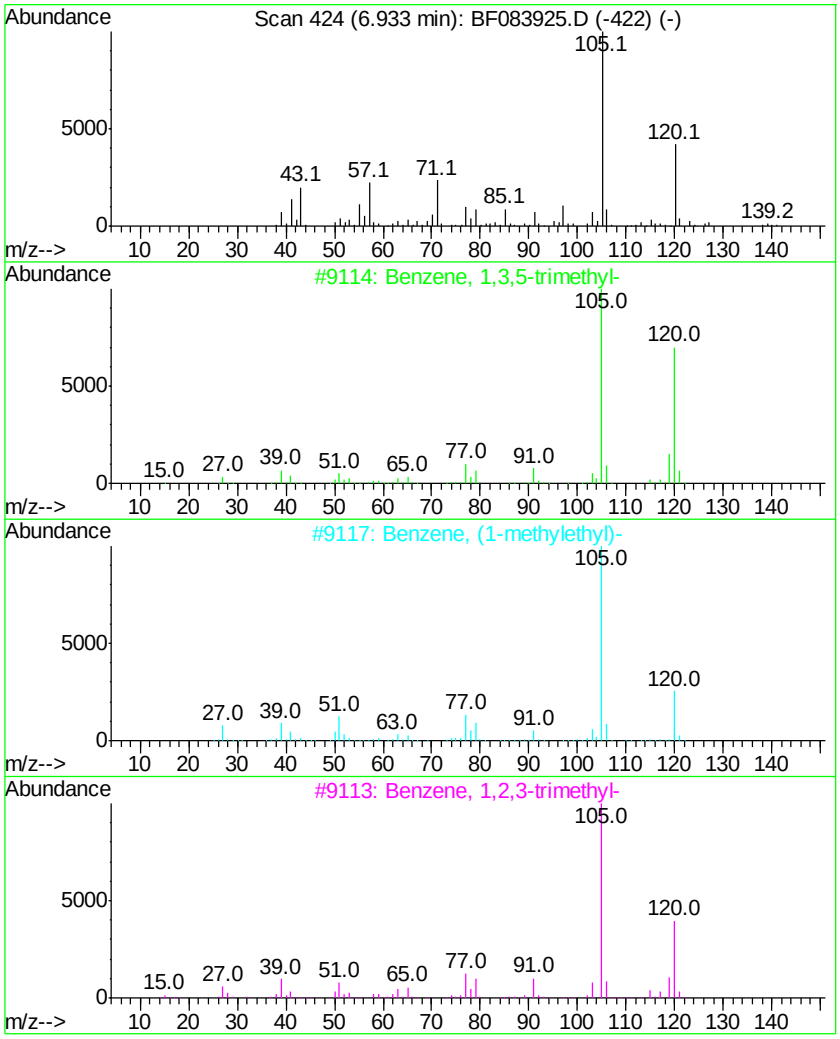
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

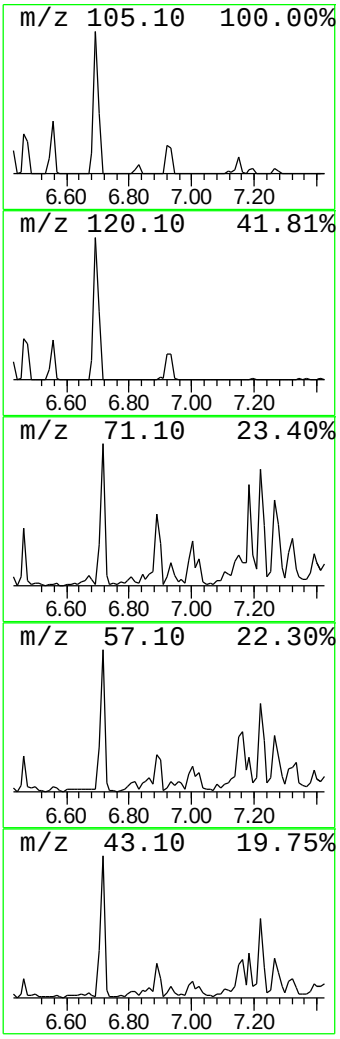
****

Peak Number 10 Benzene, 1,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	33.10 ng	829041	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	70
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	62
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	62
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	62
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58





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Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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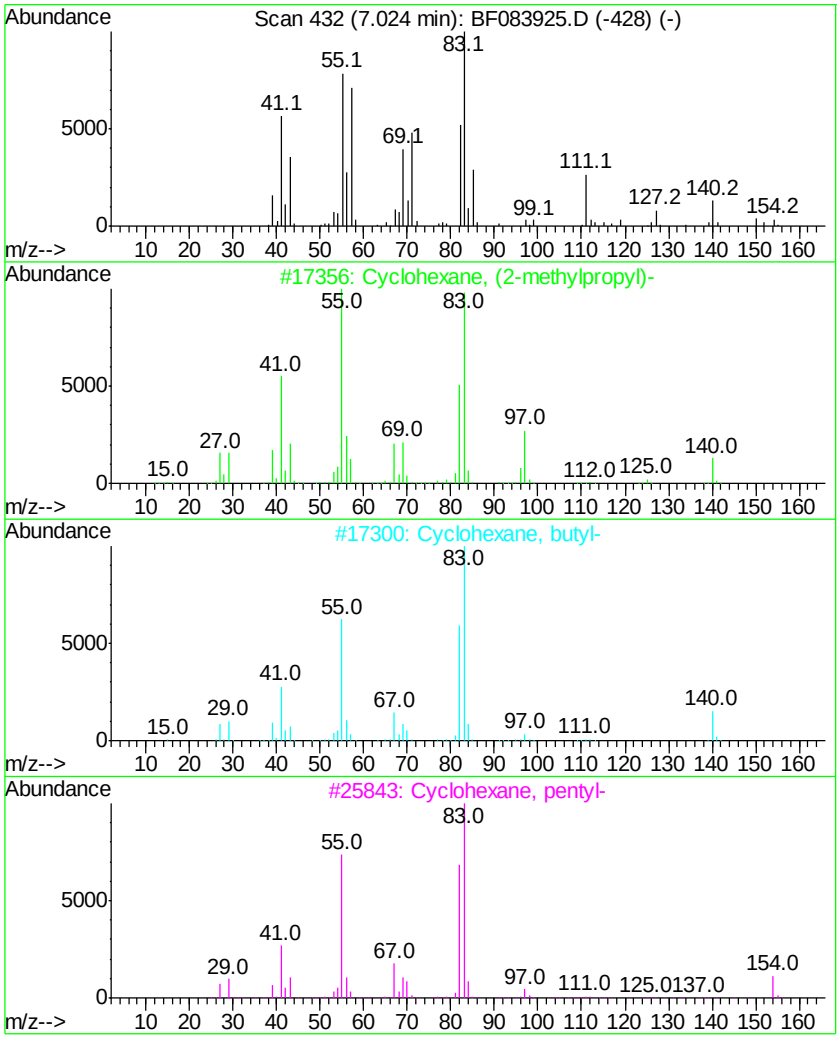
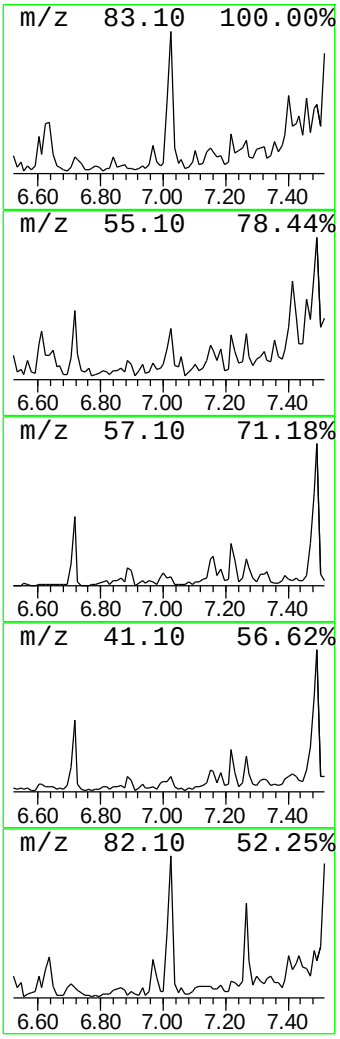
Peak Number 11 Cyclohexane, (2-methylpropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	44.19 ng	1106580	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
5	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	38





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Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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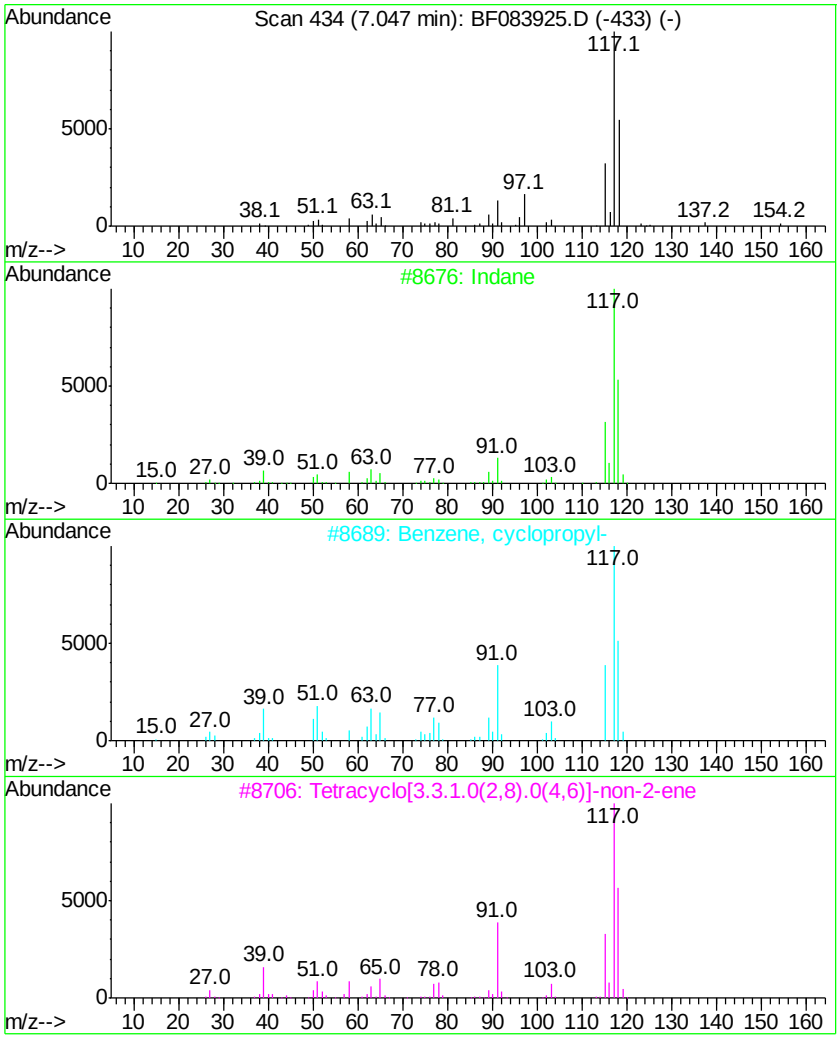
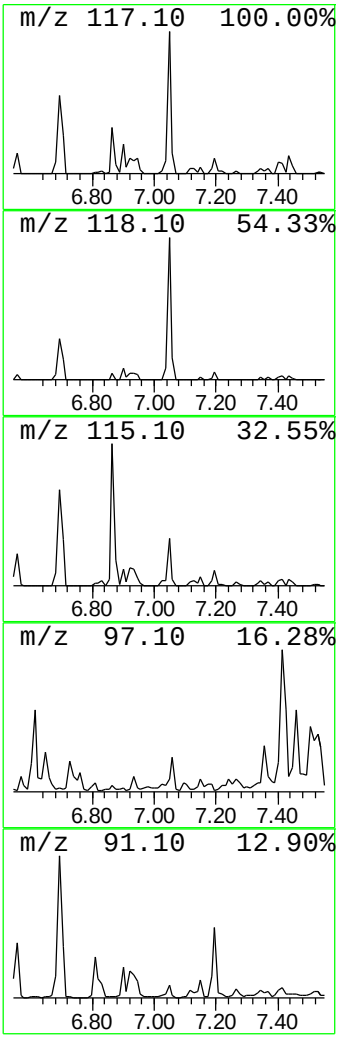
Peak Number 12 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	10.21 ng	255769	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
4	Deltacyclene	118	C9H10	007785-10-6	53
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53





Library Search Compound Report

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Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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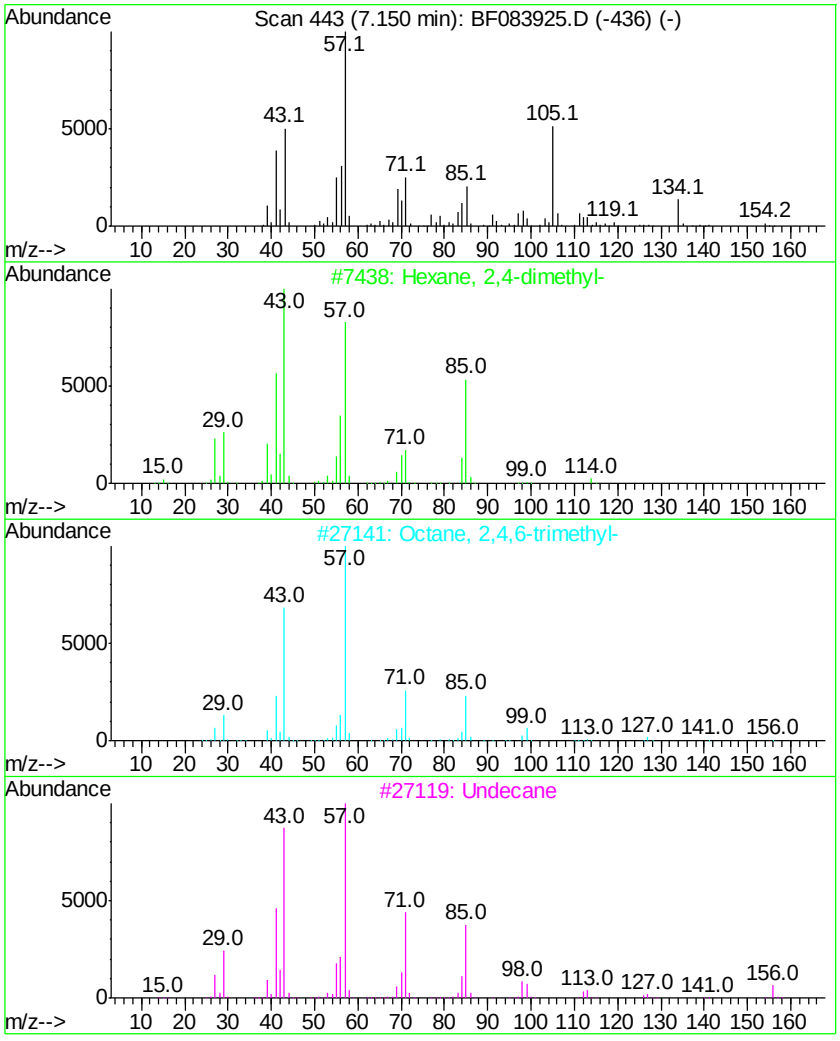
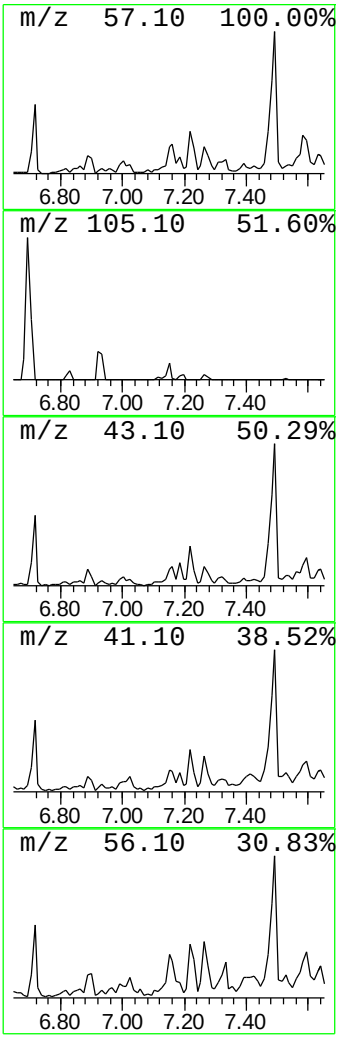
Peak Number 13 Hexane, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	78.69 ng	1970710	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	52
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47
3	Undecane	156	C11H24	001120-21-4	43
4	Decane	142	C10H22	000124-18-5	43
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43





Library Search Compound Report

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Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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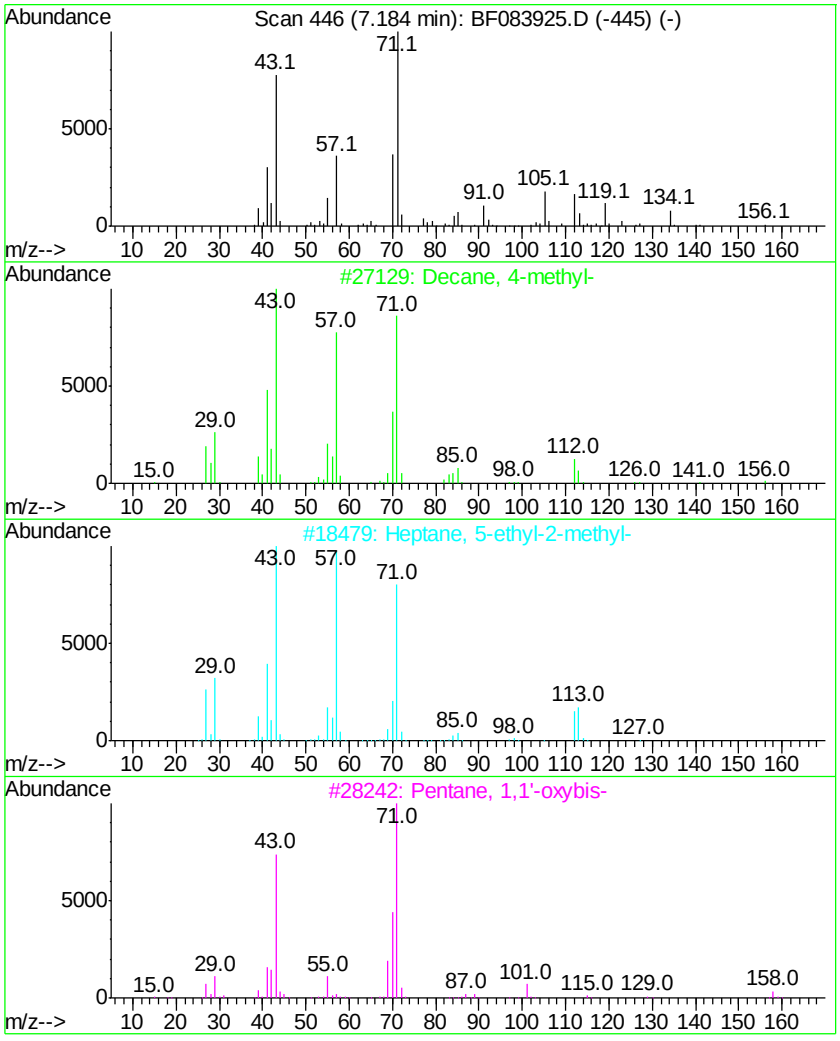
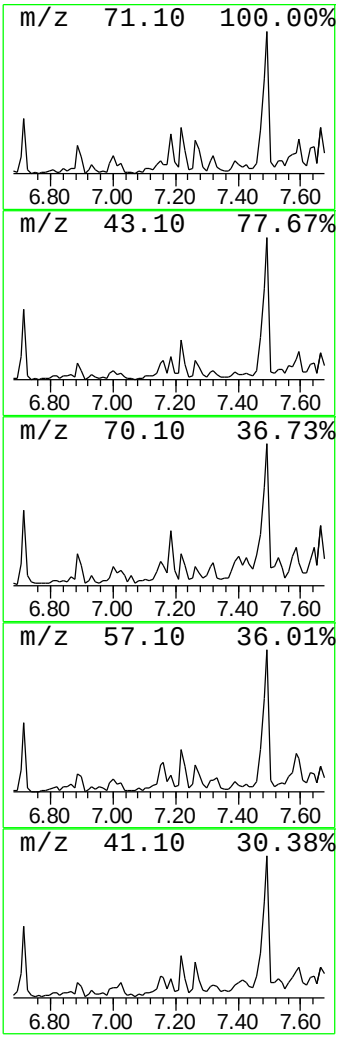
Peak Number 14 Decane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	35.92 ng	899678	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	50
3	Pentane, 1,1'-oxybis-	158	C10H22O	000693-65-2	47
4	2,2'-Bifuran, octahydro-	142	C8H14O2	001592-33-2	47
5	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	46





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Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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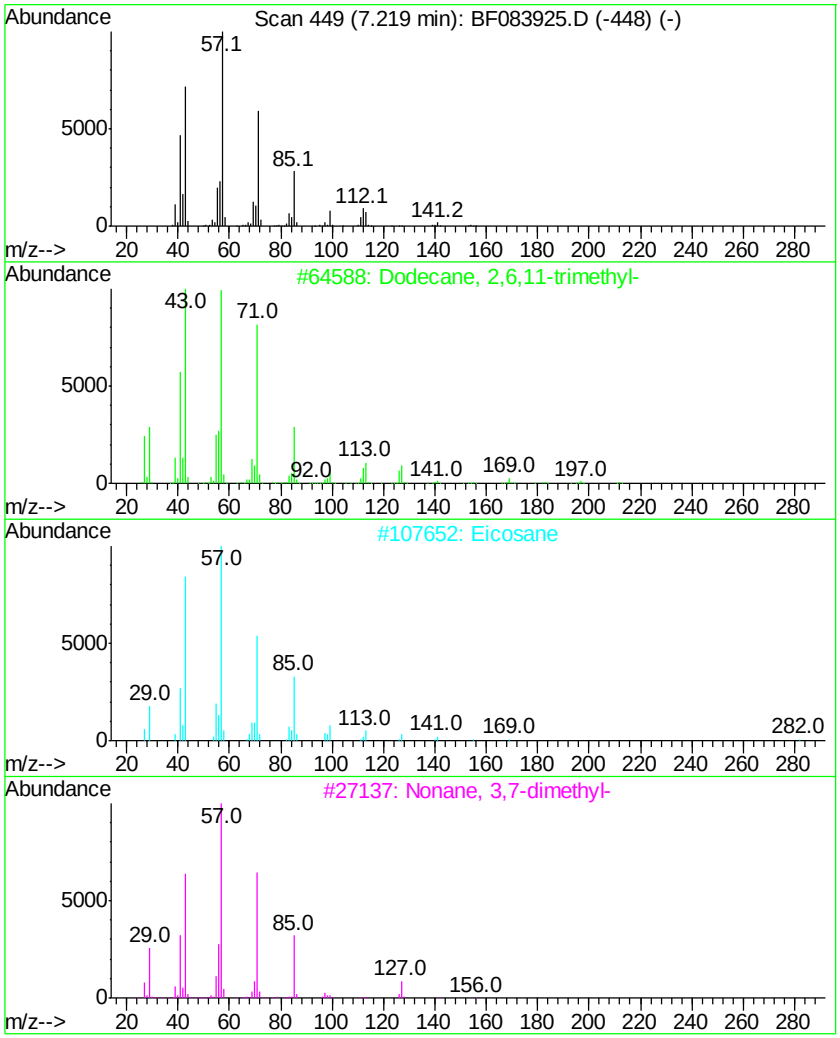
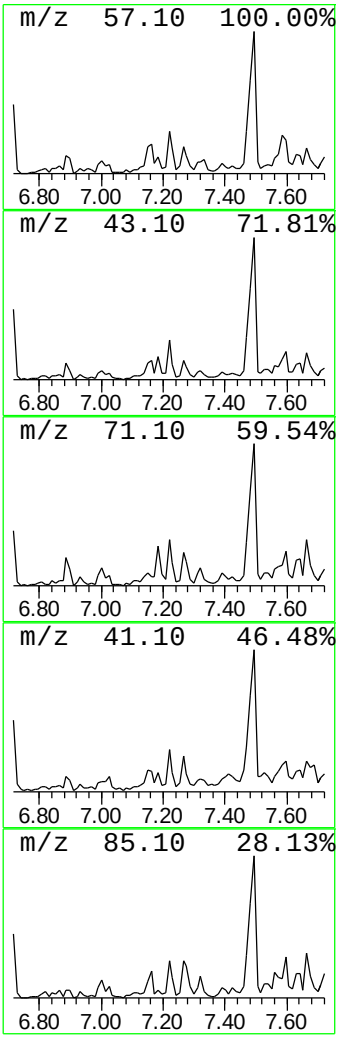
Peak Number 15 Dodecane, 2,6,11-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	55.46 ng	1389030	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Eicosane	282	C20H42	000112-95-8	72
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59





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Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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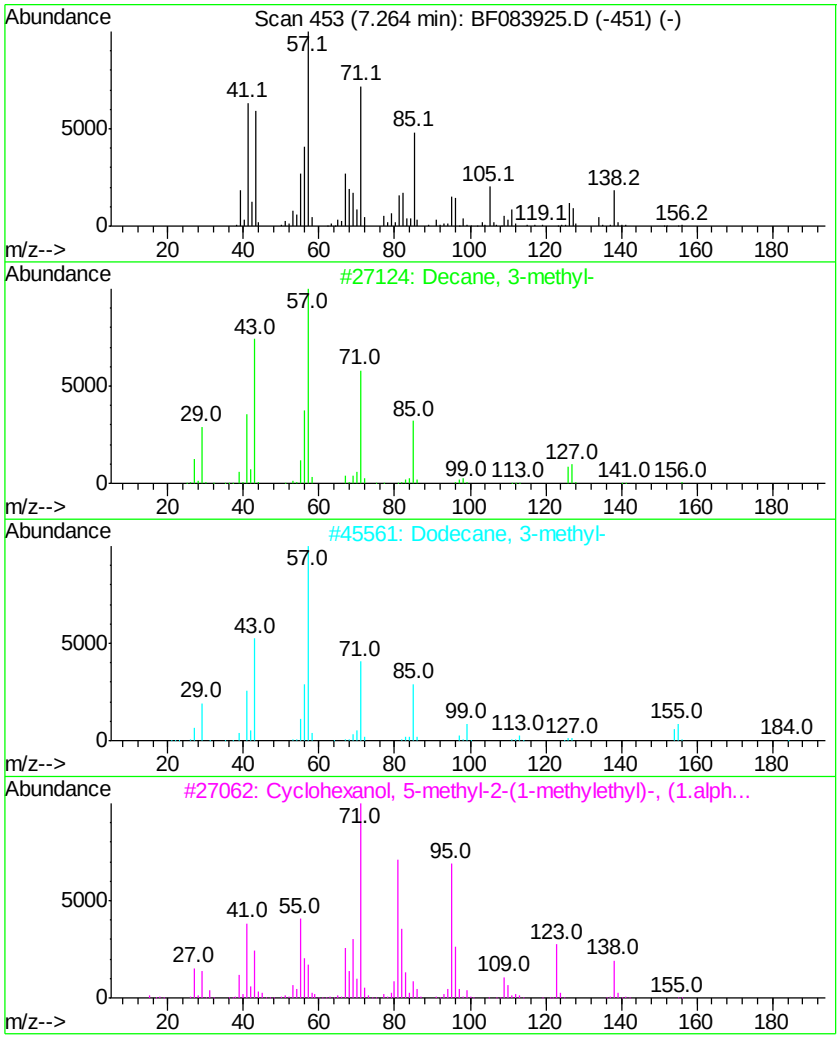
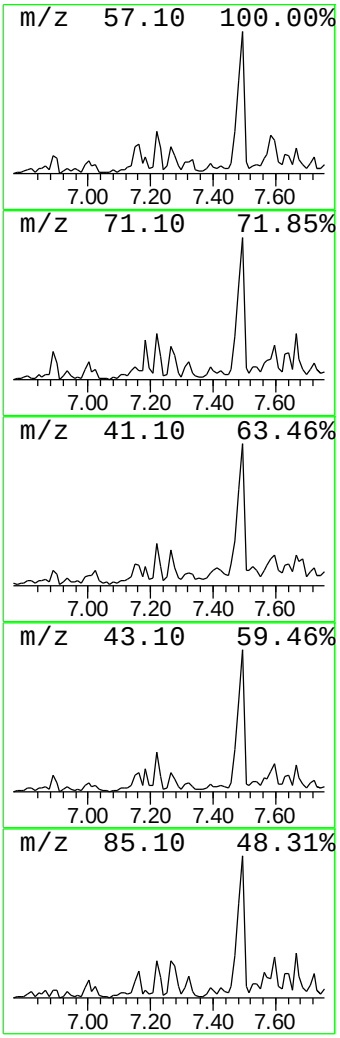
Peak Number 16 Decane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	72.28 ng	1810230	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	60
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	43
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	43
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	43
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38





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Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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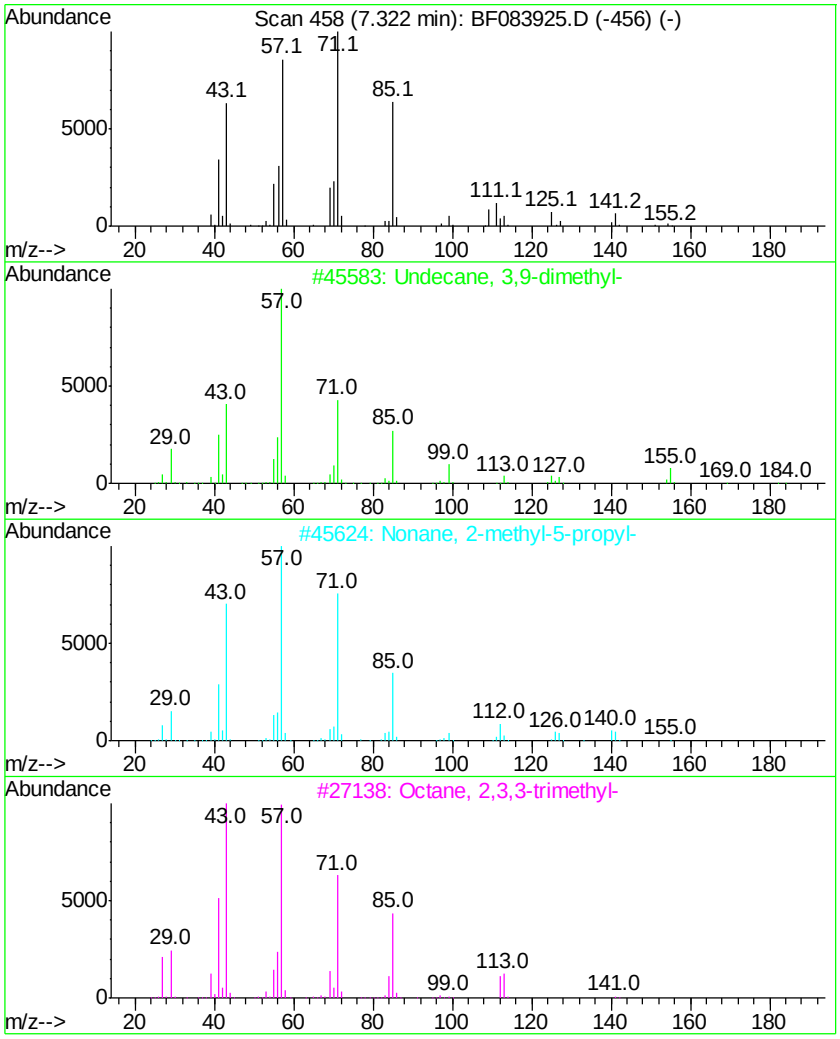
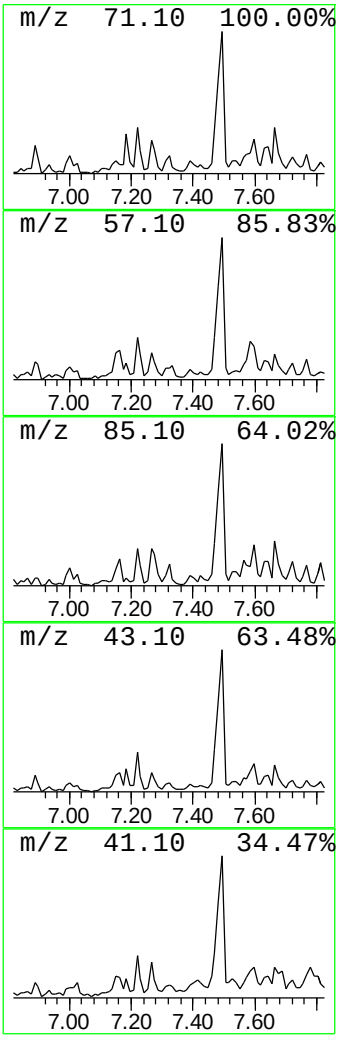
Peak Number 17 Undecane, 3,9-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	41.36 ng	1035800	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	64
2	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
3	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	59
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	53





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Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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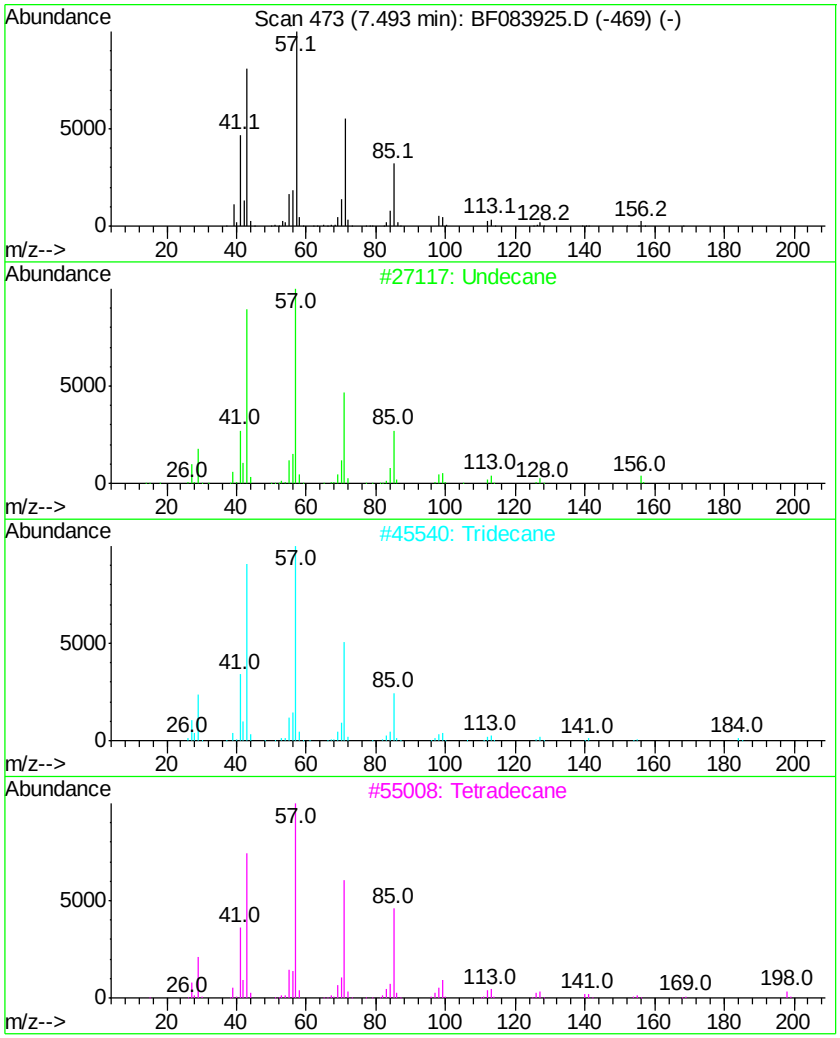
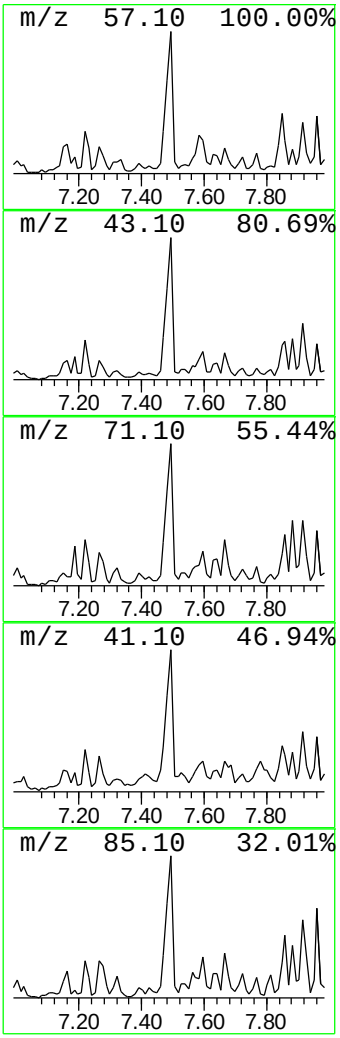
Peak Number 18 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	257.92 ng	6459460	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Tridecane	184	C13H28	000629-50-5	86
3	Tetradecane	198	C14H30	000629-59-4	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Decane	142	C10H22	000124-18-5	64





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Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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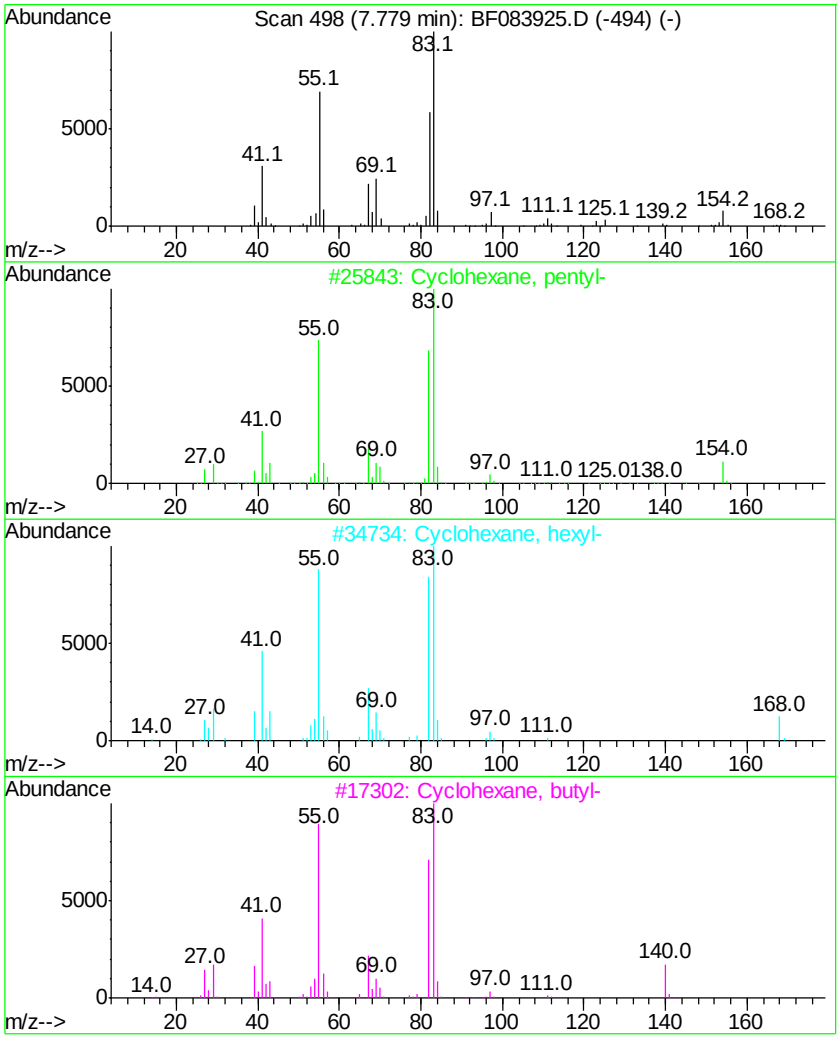
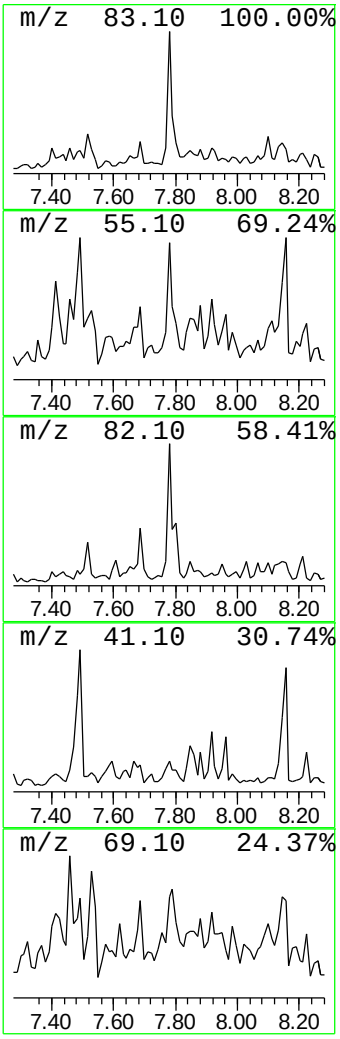
Peak Number 19 Cyclohexane, pentyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	13.21 ng	4082590	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	78
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	78
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
5	n-Amylcyclohexane	154	C11H22	029949-27-7	72





Library Search Compound Report

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Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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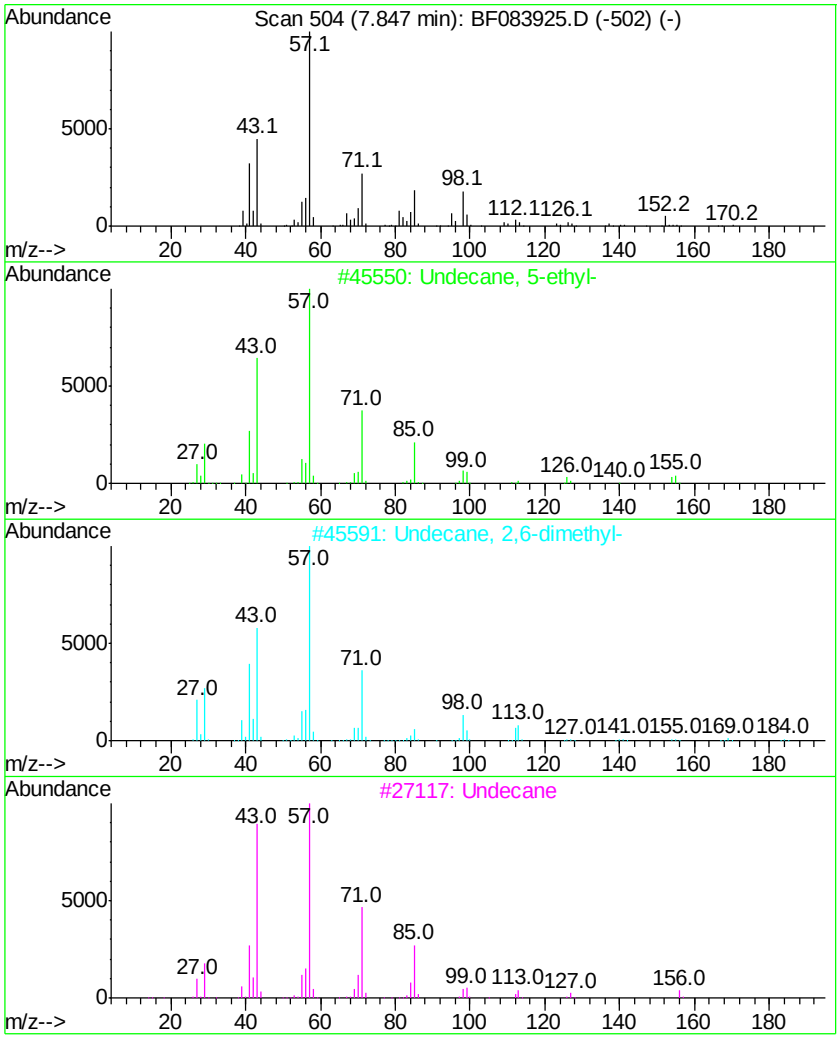
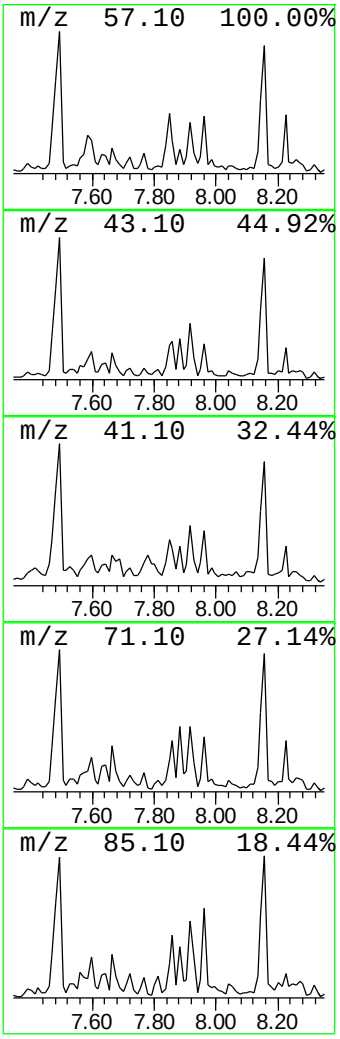
Peak Number 20 Undecane, 5-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	9.81 ng	3029760	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
3	Undecane	156	C11H24	001120-21-4	53
4	Pentadecane	212	C15H32	000629-62-9	53
5	Decane	142	C10H22	000124-18-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083925.D
Acq On : 18 Dec 2015 20:54
Operator : UM/SJ
Sample : G4821-01 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9877

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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
Nonane, 3-methyl-	6.11	23.1	ng	579160	1	6.86	500881	20.0
Heptane, 3-ethyl-...	6.18	10.1	ng	252792	1	6.86	500881	20.0
unknown6.20	6.20	10.4	ng	261574	1	6.86	500881	20.0
Benzene, 1-ethyl-...	6.40	86.2	ng	2157820	1	6.86	500881	20.0
Benzene, 1,2,3-tr...	6.46	44.9	ng	1123470	1	6.86	500881	20.0
Benzene, 1-ethyl-...	6.56	32.8	ng	820085	1	6.86	500881	20.0
Cyclohexane, 1-me...	6.61	24.5	ng	614014	1	6.86	500881	20.0
Benzene, 1,3,5-tr...	6.93	33.1	ng	829041	1	6.86	500881	20.0
Cyclohexane, (2-m...	7.02	44.2	ng	1106580	1	6.86	500881	20.0
Indane	7.05	10.2	ng	255769	1	6.86	500881	20.0
Hexane, 2,4-dimet...	7.15	78.7	ng	1970710	1	6.86	500881	20.0
Decane, 4-methyl-	7.18	35.9	ng	899678	1	6.86	500881	20.0
Dodecane, 2,6,11-...	7.22	55.5	ng	1389030	1	6.86	500881	20.0
Decane, 3-methyl-	7.26	72.3	ng	1810230	1	6.86	500881	20.0
Undecane, 3,9-dim...	7.32	41.4	ng	1035800	1	6.86	500881	20.0
Undecane	7.49	257.9	ng	6459460	1	6.86	500881	20.0
Cyclohexane, pentyl-	7.78	13.2	ng	4082590	2	8.16	6179640	20.0
Undecane, 5-ethyl-	7.85	9.8	ng	3029760	2	8.16	6179640	20.0