LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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	6.362	371	374	376	rBV	106322	129878	1.33%	0.151%
2	6.487	384	385	389	rVV4	50294	109811	1.12%	0.128%
3	6.556	389	391	393	rVV2	79347	107900	1.10%	0.126%
4	6.613	393	396	397	rVV	87185	147180	1.50%	0.171%
5	6.647	397	399	402	rVV3	107654	255004	2.61%	0.297%
6	6.716	402	405	407	rVV	629001	965276	9.86%	1.124%
7	6.819	407	414	415	rVV3	141512	391288	4.00%	0.456%
8	6.865	415	418	419	rVV	644822	828172	8.46%	0.964%
9	6.887	419	420	422	rVV	587029	749903	7.66%	0.873%
10	6.933	422	424	425	rVV2	296652	455551	4.66%	0.530%
11	6.967	425	427	428	rVV	230403	357474	3.65%	0.416%
12	7.025	428	432	434	rVV2	627428	1736706	17.75%	2.022%
13	7.059	434	435	436	rVV	266634	232042	2.37%	0.270%
14	7.162	436	444	445	rVV	1152865	3161963	32.31%	3.681%
15	7.219	448	449	451	rVV	1497024	2232658	22.82%	2.599%
16	7.265	451	453	455	rVV	1577550	2579932	26.36%	3.004%
17	7.322	455	458	460	rVV2	902300	2168529	22.16%	2.525%
18	7.425	463	467	469	rVV2	1215488	3789244	38.72%	4.412%
19	7.493	469	473	475	rVV	4254433	9785539	100.00%	11.393%
20	7.527	475	476	478	rVV	1269616	2072515	21.18%	2.413%
21	7.596	478	482	484	rVV2	1670115	4771801	48.76%	5.556%
22	7.642	484	486	487	rVV	1347984	2310540	23.61%	2.690%
23	7.687	487	490	492	rVV2	1873332	4443727	45.41%	5.174%
24	7.722	492	493	494	rVV	1081591	1192088	12.18%	1.388%
25	7.790	494	499	502	rVV5	1492379	5901737	60.31%	6.871%
26	7.859	502	505	506	rVV	2144051	4324808	44.20%	5.035%
27	7.916	509	510	512	rVV	2112947	3231683	33.03%	3.762%
28	7.962	512	514	515	rVV2	1966111	2770161	28.31%	3.225%
29	7.985	515	516	518	rVV2	946368	1585825	16.21%	1.846%
30	8.030	518	520	522	rVV2	726864	1835301	18.76%	2.137%
31	8.065	522	523	525	rVV	792176	1349926	13.80%	1.572%
32	8.099	525	526	527	rVV	827439	1086656	11.10%	1.265%
33	8.156	527	531	533	rVV	4181874	7143124	73.00%	8.316%
34	8.225	534	537	539	rVV	1504108	2893780	29.57%	3.369%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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	8.259	539	540	543	rVV2	702345	1354349	13.84%	1.577%
36	8.316	543	545	547	rVV2	379301	772571	7.90%	0.899%
37	8.362	547	549	551	rVV3	306344	751333	7.68%	0.875%
38	8.453	553	557	560	rVV3	648550	1534882	15.69%	1.787%
39	8.499	560	561	563	rVV2	350516	472989	4.83%	0.551%
40	8.533	563	564	566	rVV	411675	474850	4.85%	0.553%
41	8.579	566	568	570	rVV	462731	562710	5.75%	0.655%
42	8.750	581	583	585	rVB	480991	410204	4.19%	0.478%
43	9.905	681	684	686	rBV	616536	567755	5.80%	0.661%
44	11.391	811	814	816	rBV	556487	632119	6.46%	0.736%
45	14.020	1042	1044	1047	rBV	645254	700267	7.16%	0.815%
46	15.460	1168	1170	1173	rBV	428451	560748	5.73%	0.653%

Sum of corrected areas: 85892499

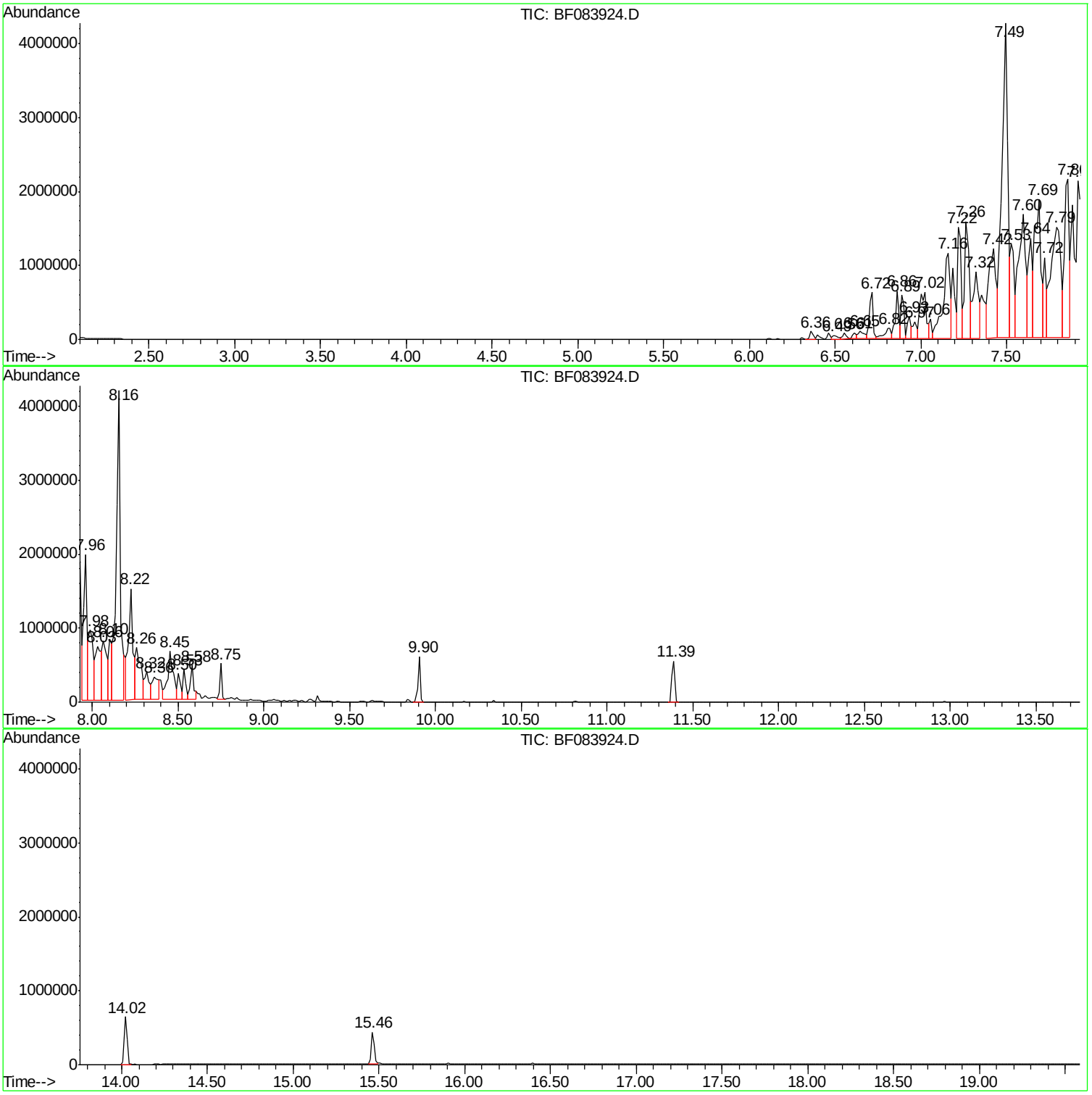
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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 : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

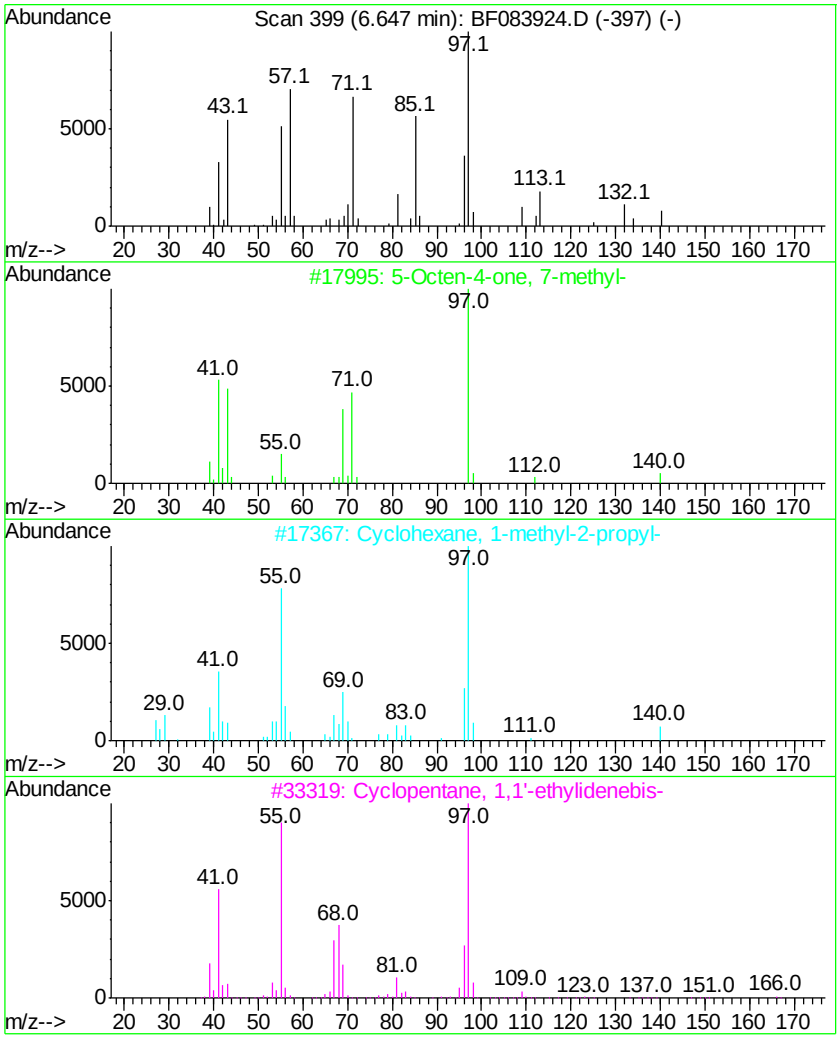
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

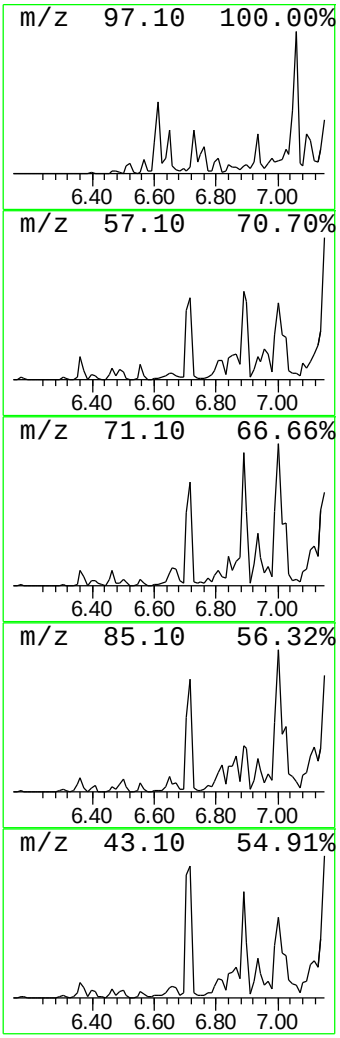
****

Peak Number 1 unknown6.65 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	6.16 ng	255004	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	49
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	35
3	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	35
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	35
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

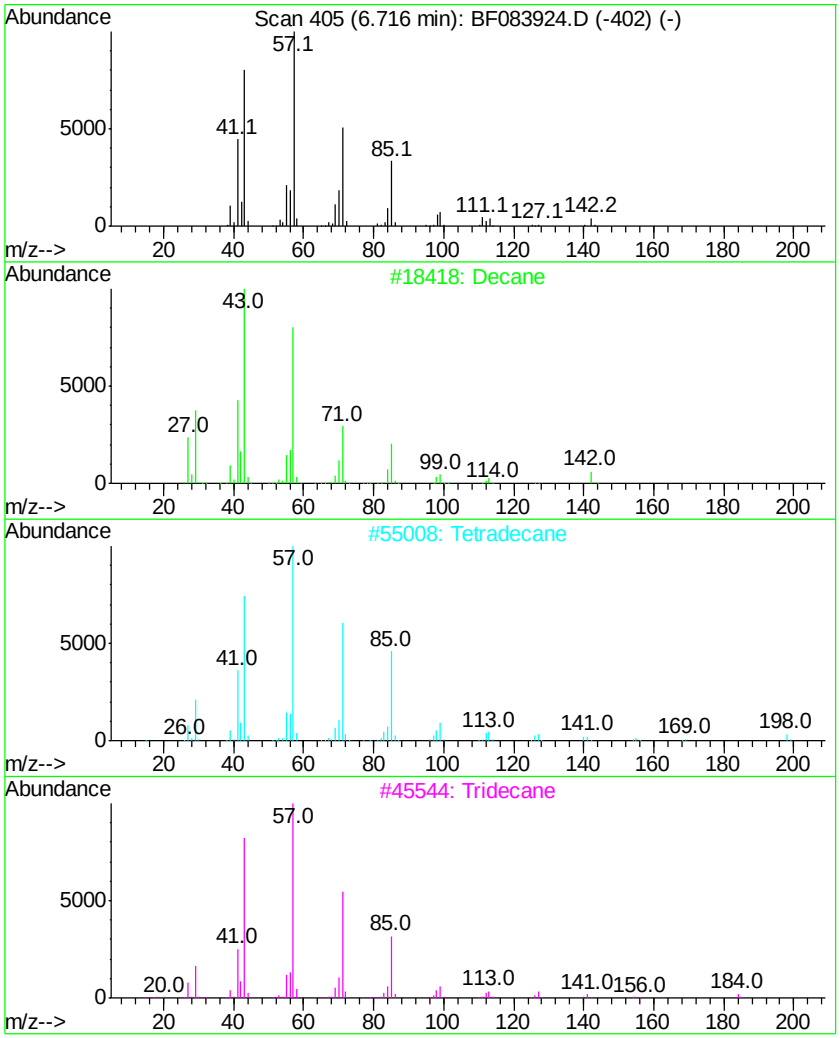
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

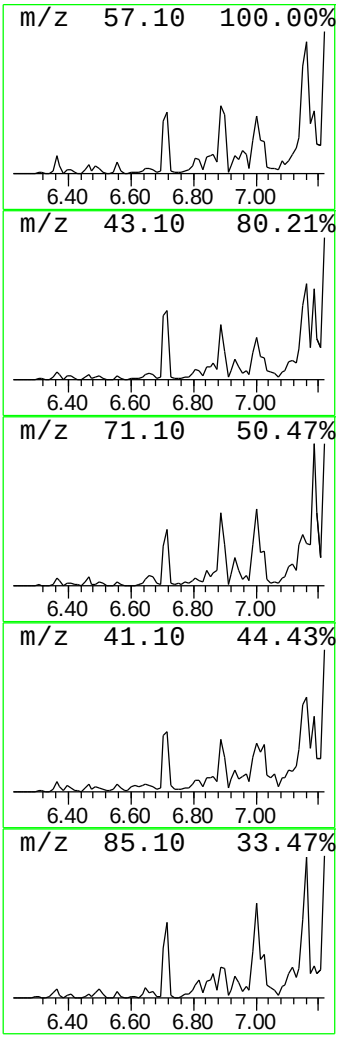
****

Peak Number 2 Decane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	23.31 ng	965276	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tridecane	184	C13H28	000629-50-5	78
4	Pentadecane	212	C15H32	000629-62-9	72
5	Hexatriacontane	507	C36H74	000630-06-8	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

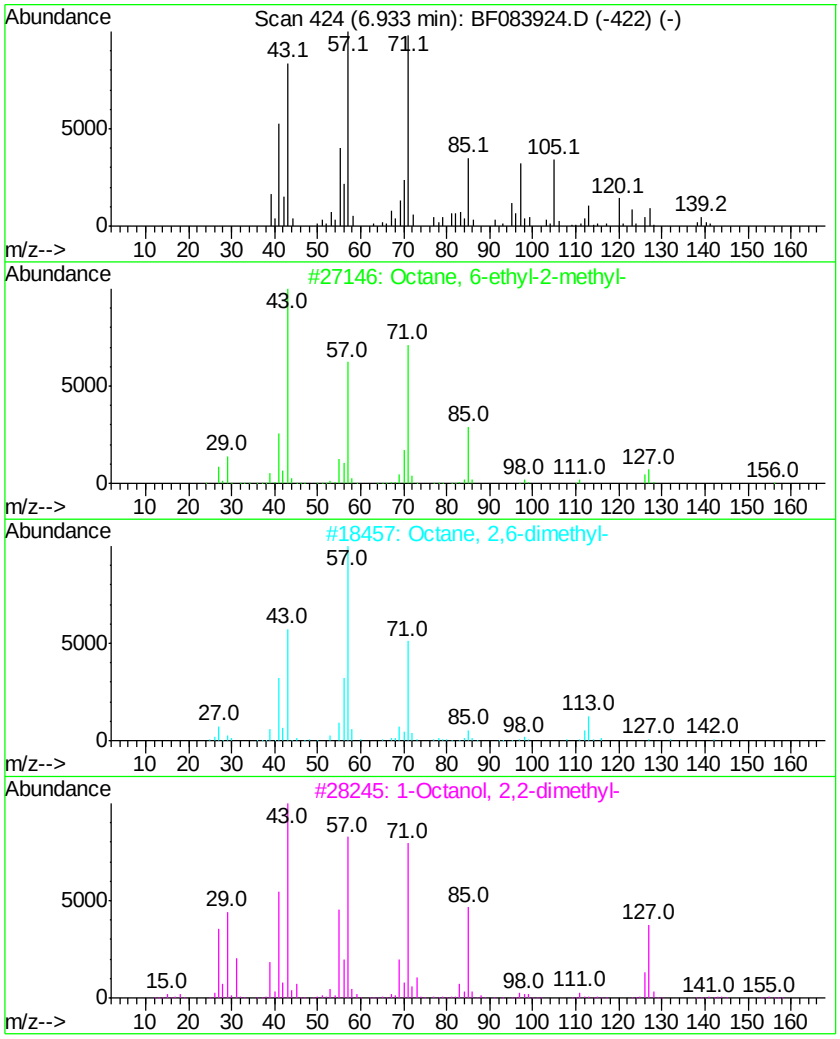
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

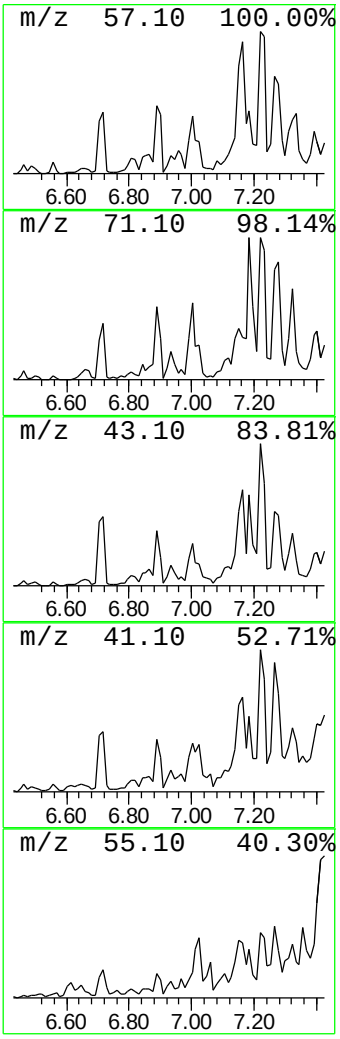
****

Peak Number 3 unknown6.93 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	11.00 ng	455551	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	47
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
3	1-Octanol, 2,2-dimethyl-	158	C10H22O	002370-14-1	43
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	43
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

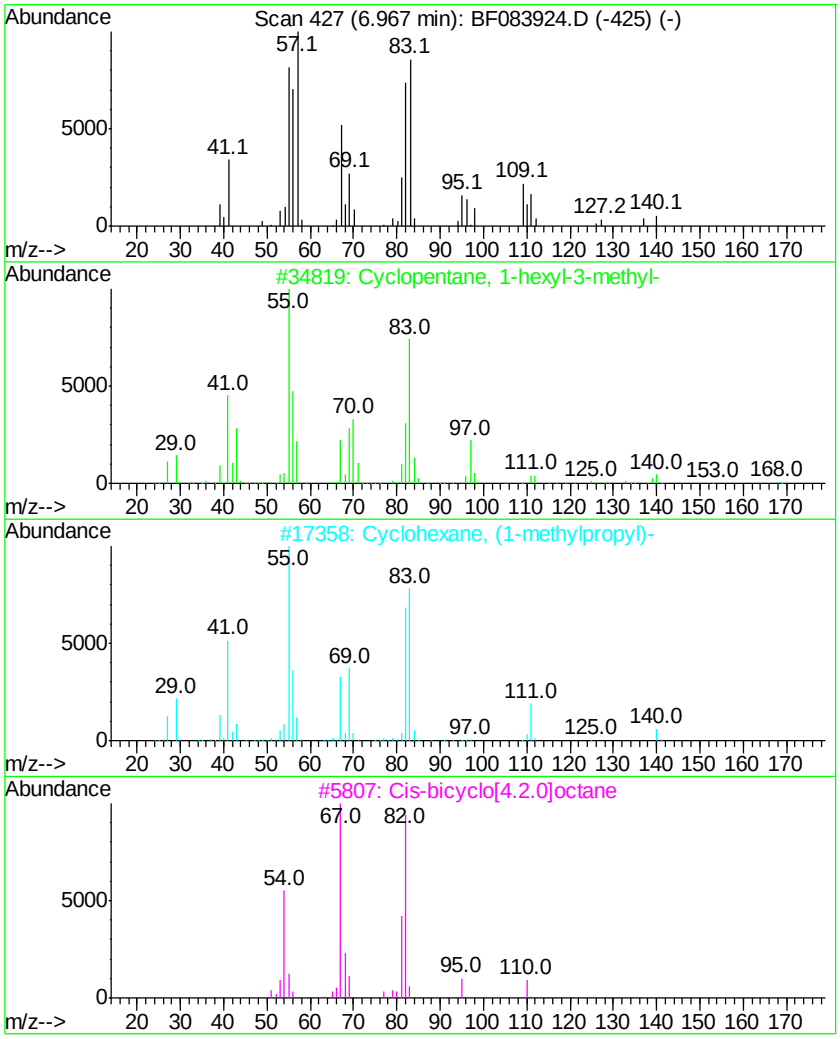
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

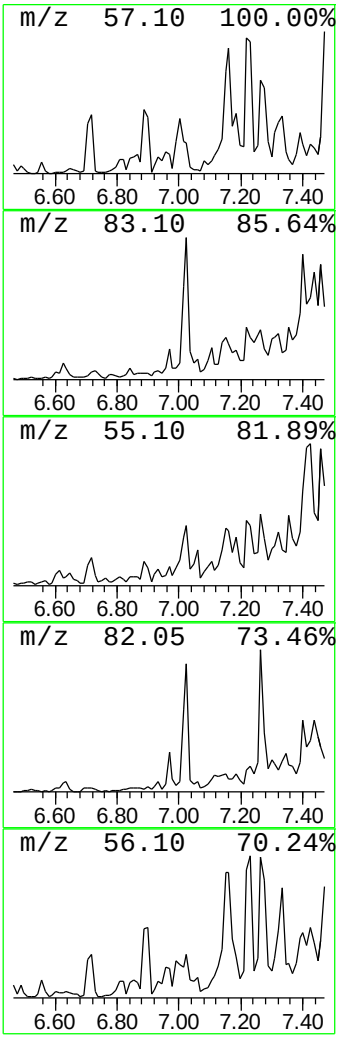
****

Peak Number 4 unknown6.97 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	8.63 ng	357474	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	47
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
3	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	41
4	2,3-Dihydro-2-methyl-5-ethylfuran	112	C7H12O	1000288-51-4	38
5	4-Cyclohexyl-1-butanol	156	C10H20O	004441-57-0	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

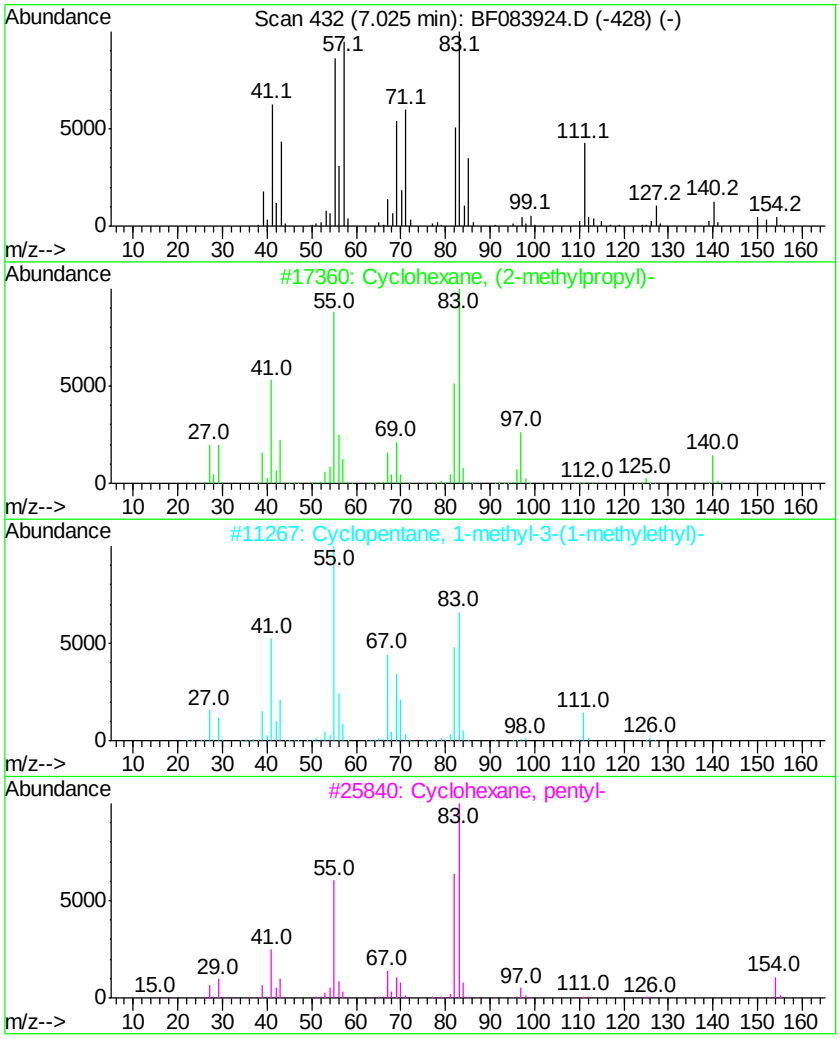
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

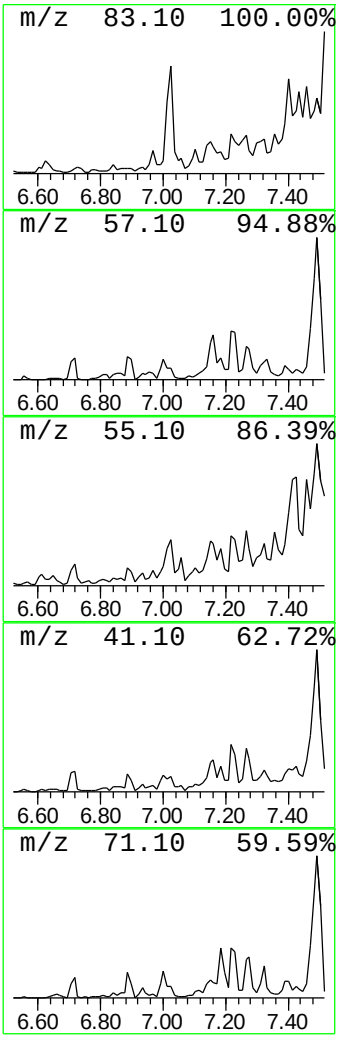
****

Peak Number 5 unknown7.02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	41.94 ng	1736710	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
2	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	46
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	45
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
5	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

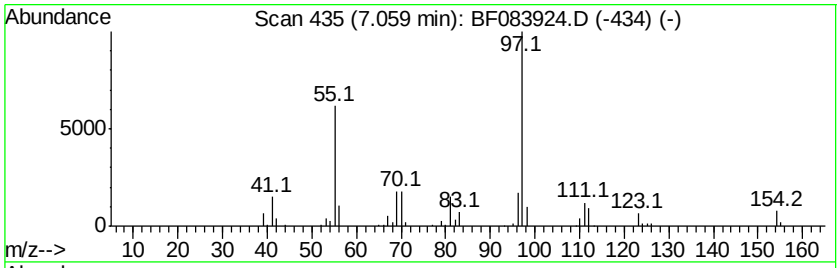
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

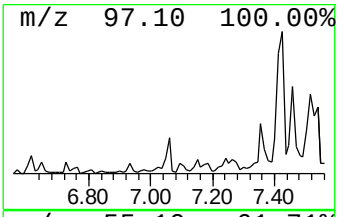
****

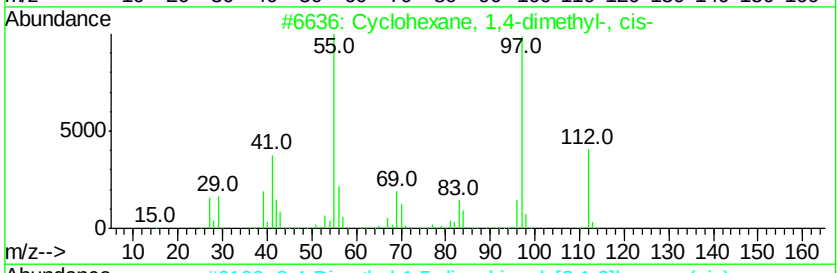
Peak Number 6 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 20

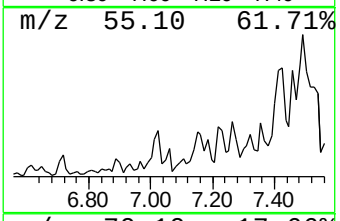
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	5.60 ng	232042	1,4-Dichlorobenzene-d4	6.86

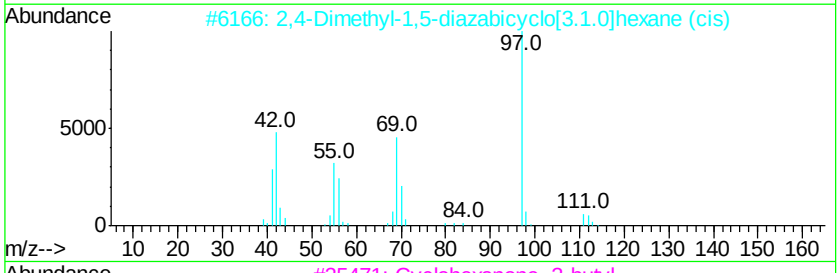
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	59
2	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	59
3	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	58
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53

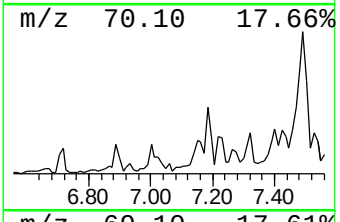


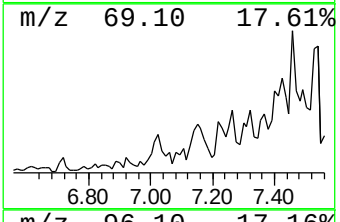


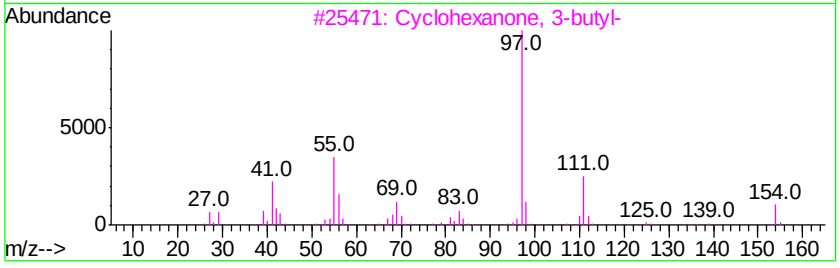


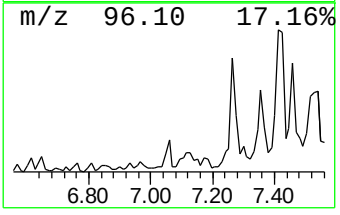












Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

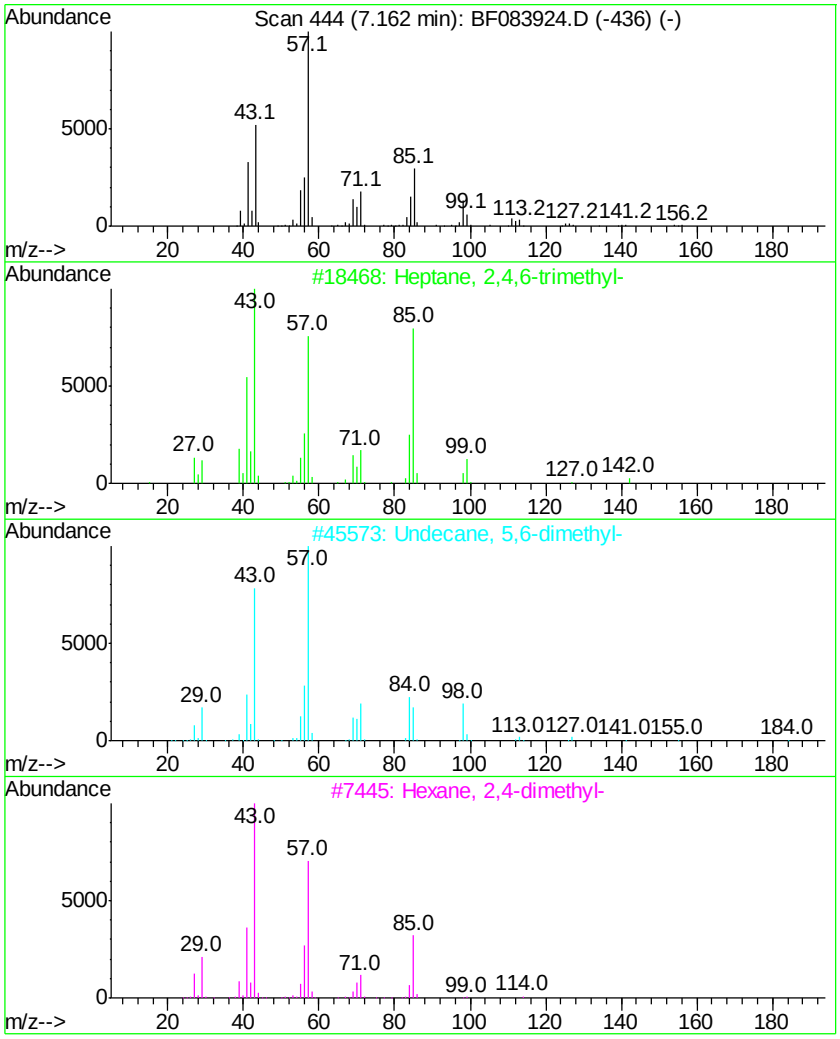
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

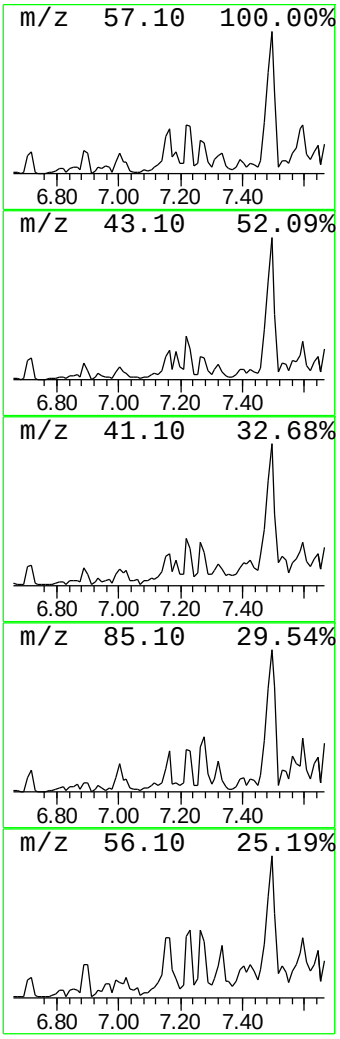
****

Peak Number 7 Heptane, 2,4,6-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	76.36 ng	3161960	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	64
2	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4	4,4-Dimethylcyclooctene	138	C10H18	1000113-56-7	59
5	Decane, 5-methyl-	156	C11H24	013151-35-4	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

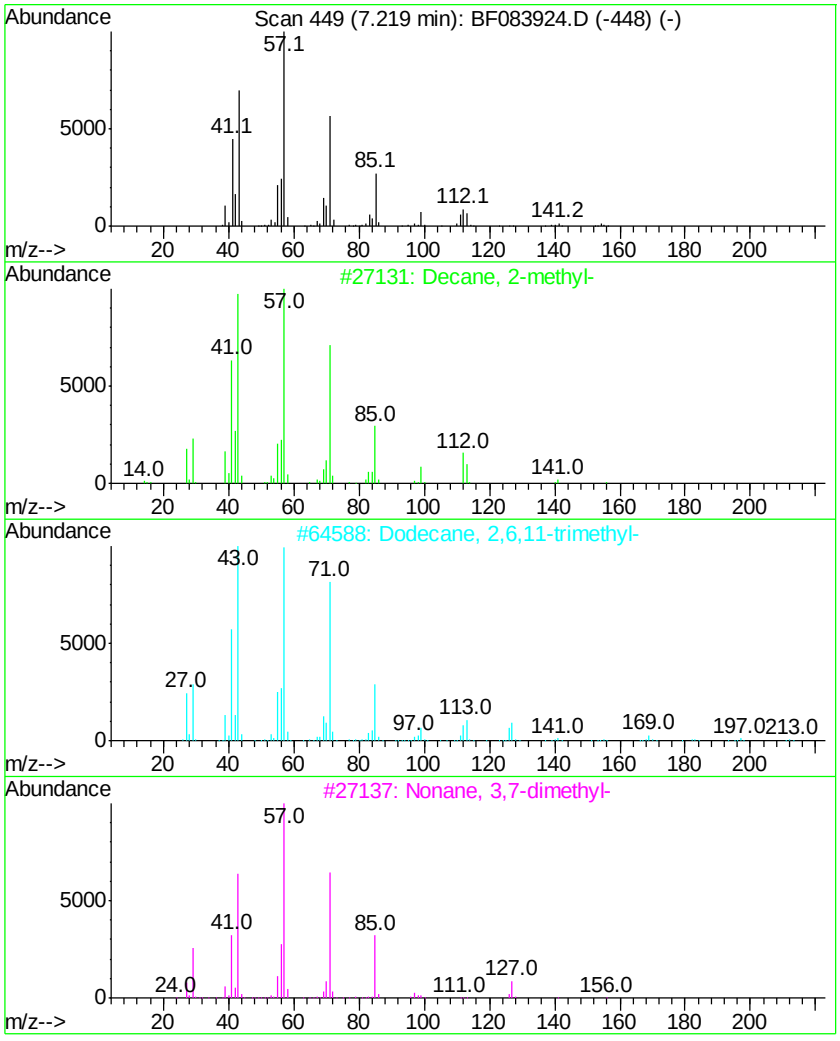
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

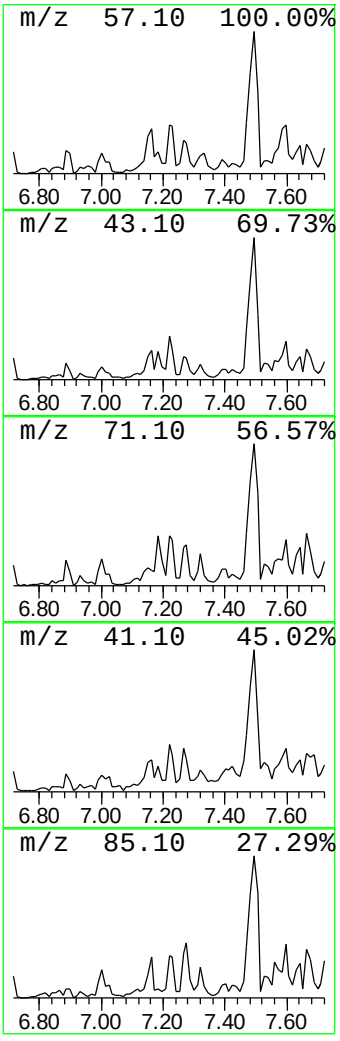
****

Peak Number 8 Decane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	53.92 ng	2232660	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	74
4	Tridecane	184	C13H28	000629-50-5	72
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

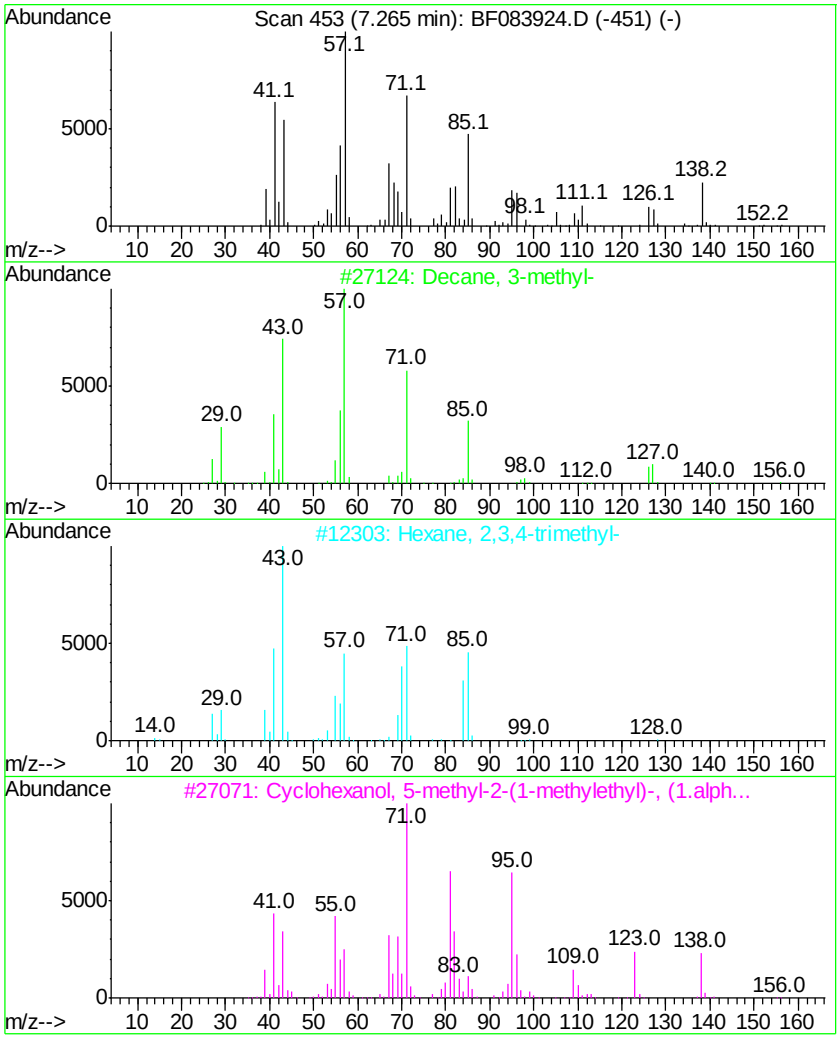
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

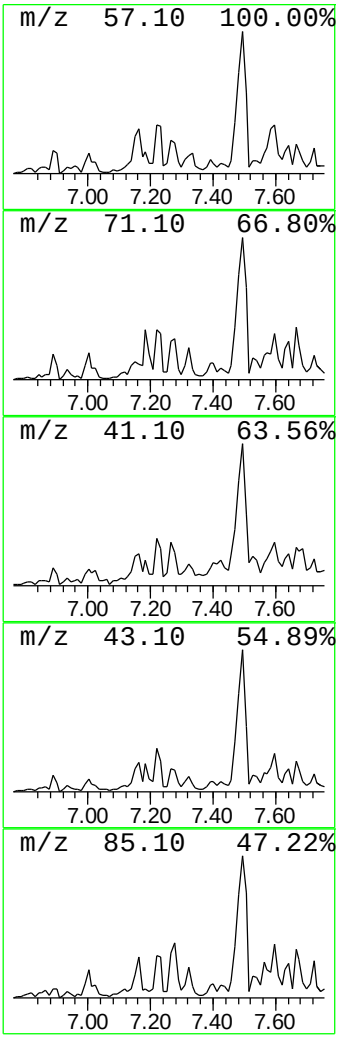
****

Peak Number 9 unknown7.26 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	62.30 ng	2579930	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	45
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	35
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	35
5	(+)-Isomenthol	156	C10H20O	1000152-08-3	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

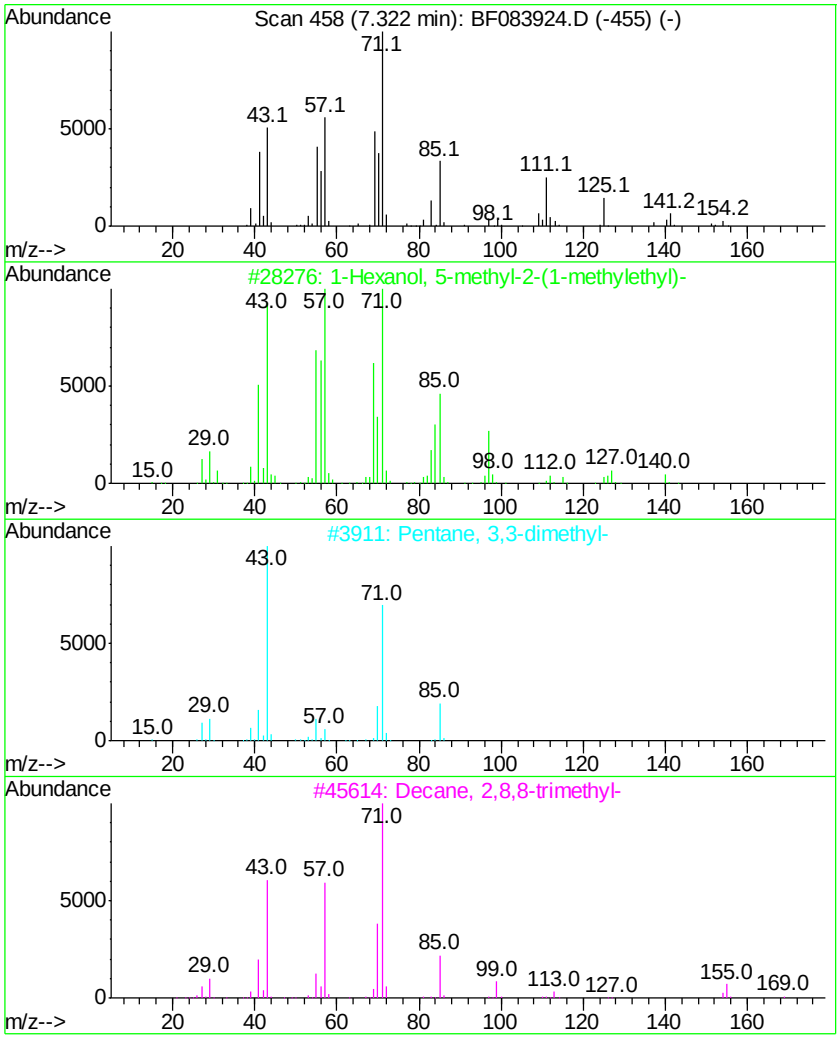
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

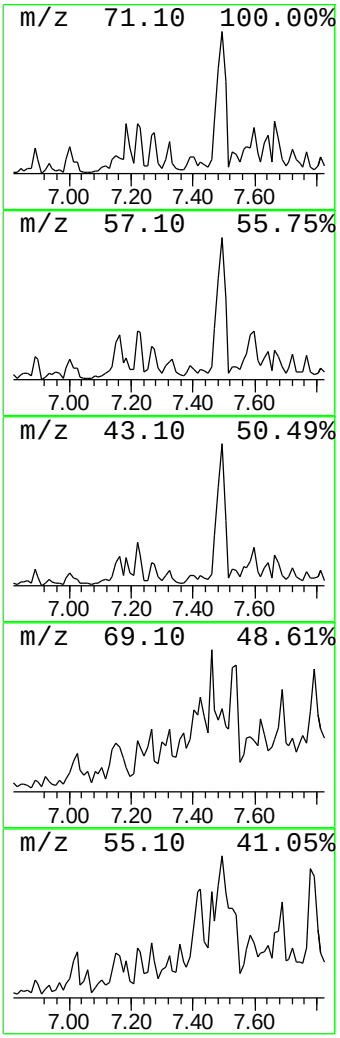
****

Peak Number 10 1-Hexanol, 5-methyl-2-(1-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	52.37 ng	2168530	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	53
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50
3	Decane, 2,8,8-trimethyl-	184	C13H28	1000060-81-2	47
4	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	47
5	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

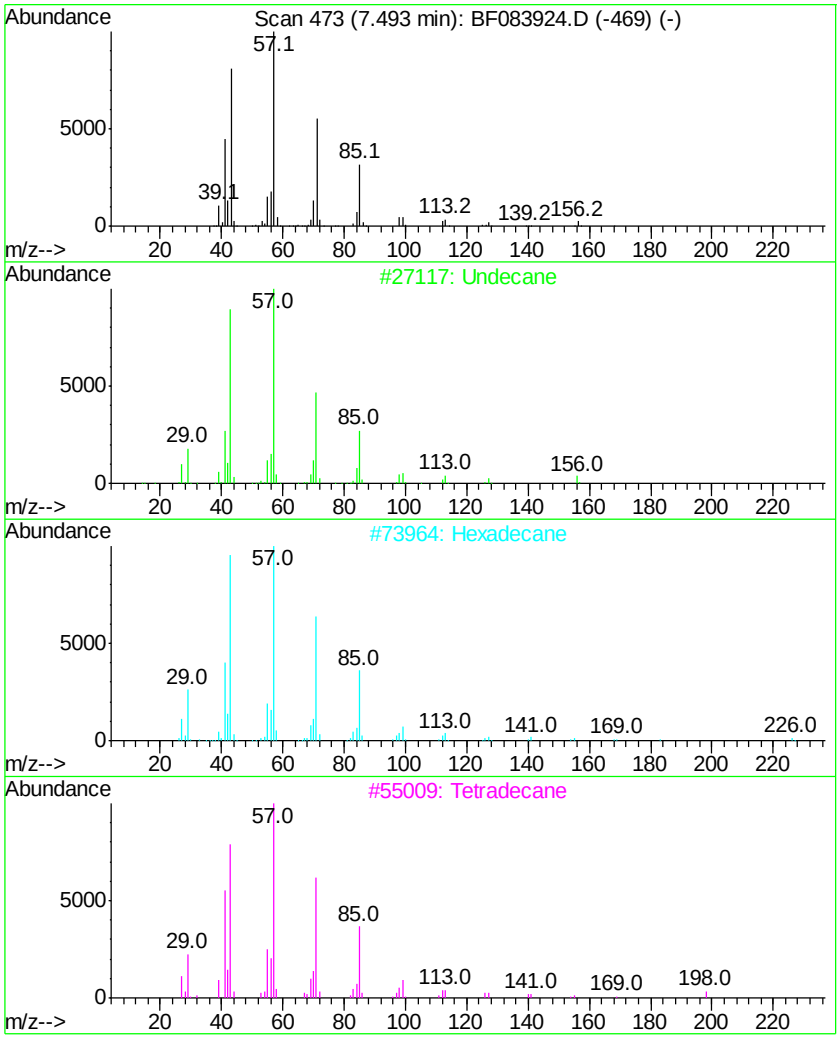
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

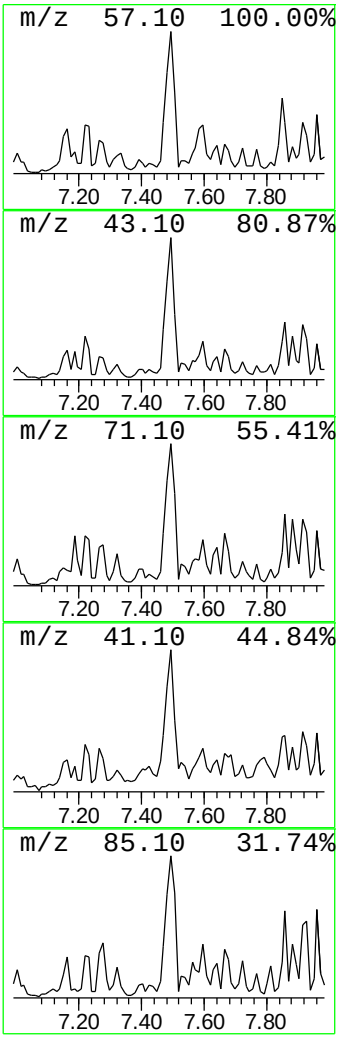
****

Peak Number 11 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	236.32 ng	9785540	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	83
4	Pentadecane	212	C15H32	000629-62-9	83
5	Tridecane	184	C13H28	000629-50-5	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

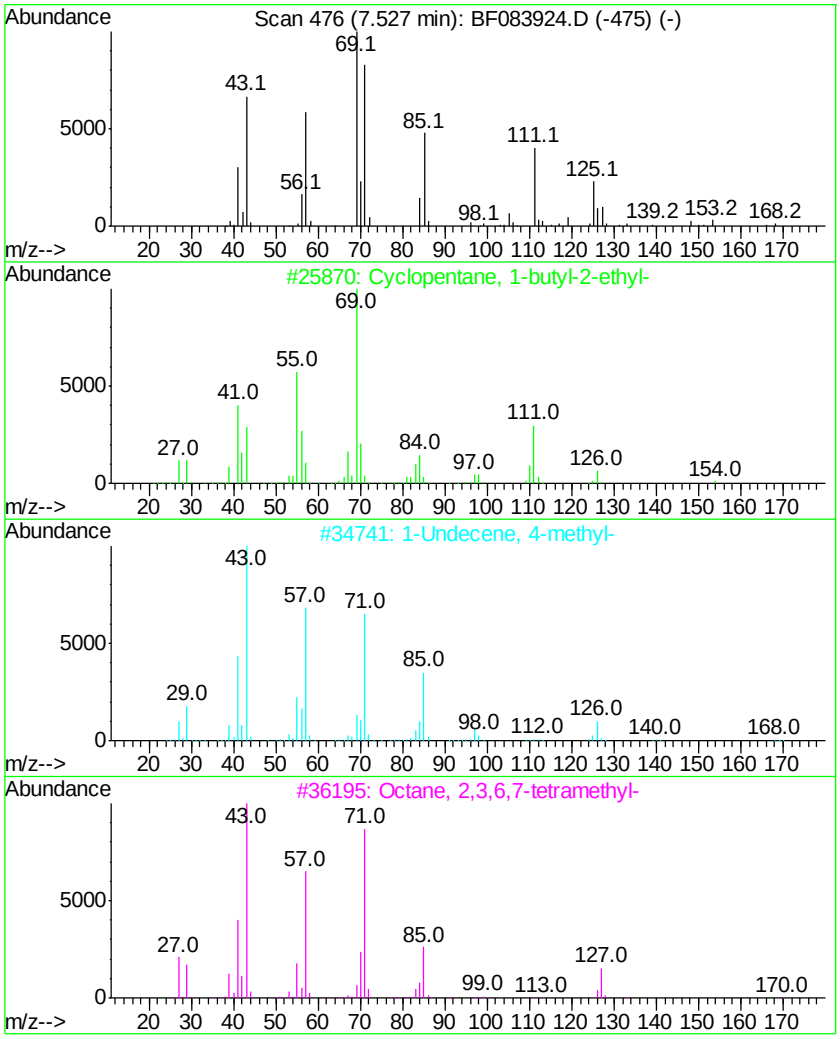
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

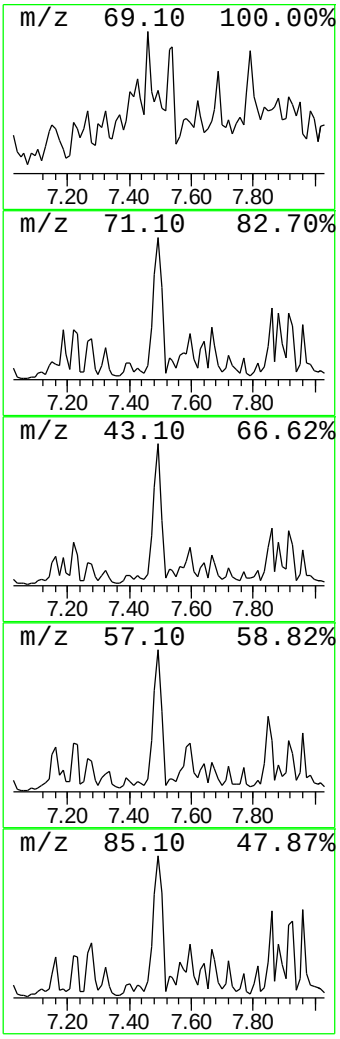
****

Peak Number 12 unknown7.53 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	5.80 ng	2072520	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	38
2	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	38
3	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	35
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	35
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

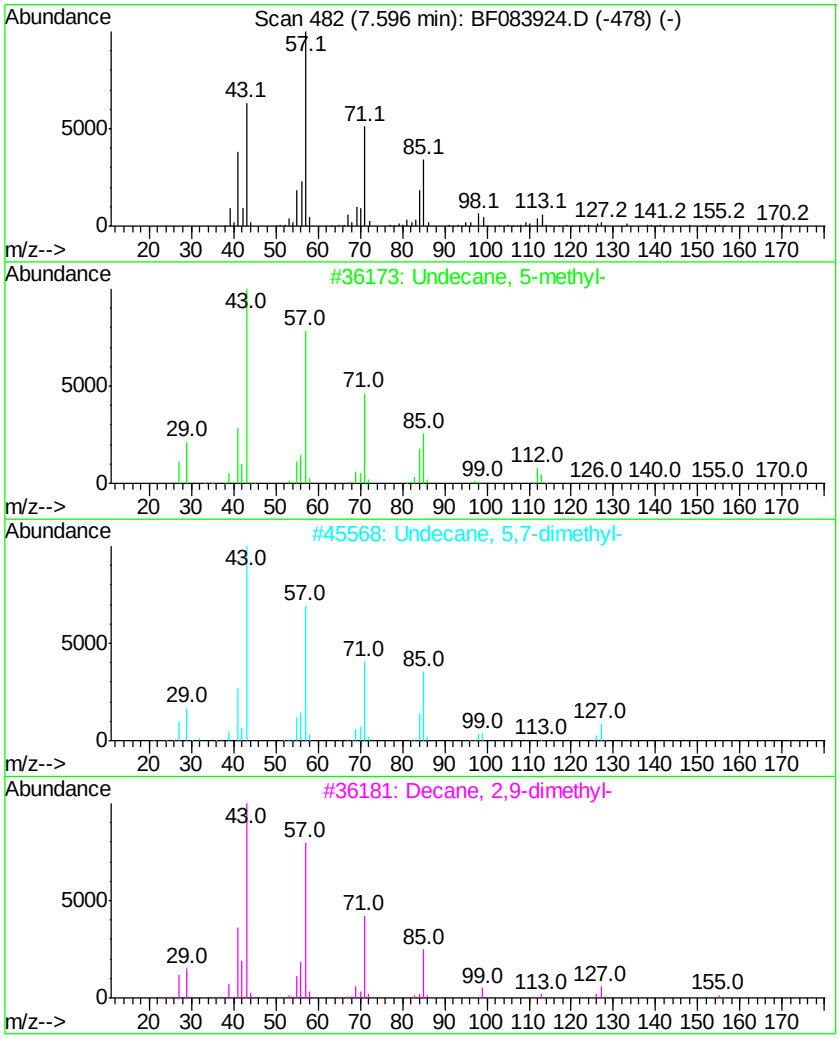
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

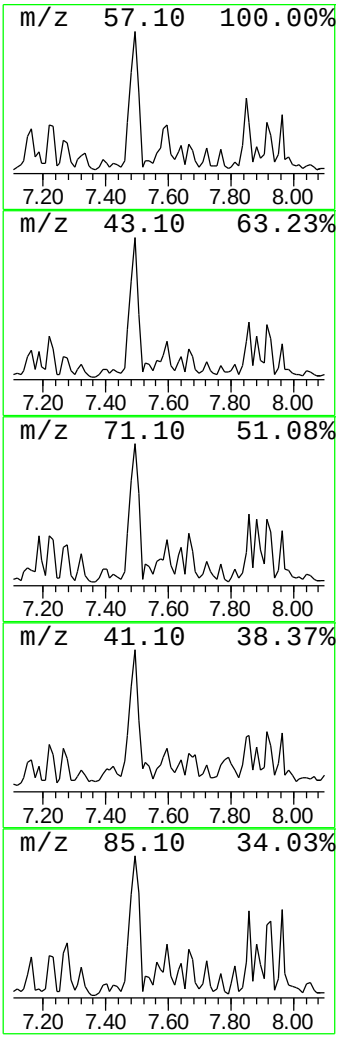
****

Peak Number 13 Undecane, 5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	13.36 ng	4771800	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
2	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

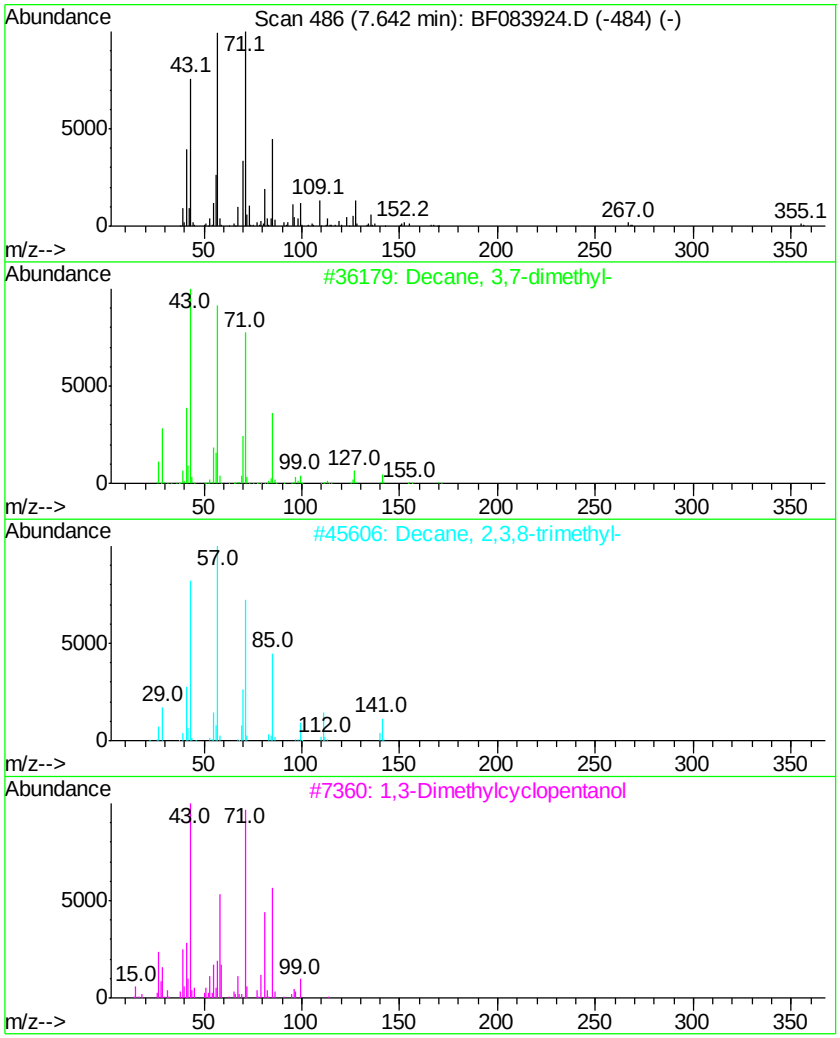
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

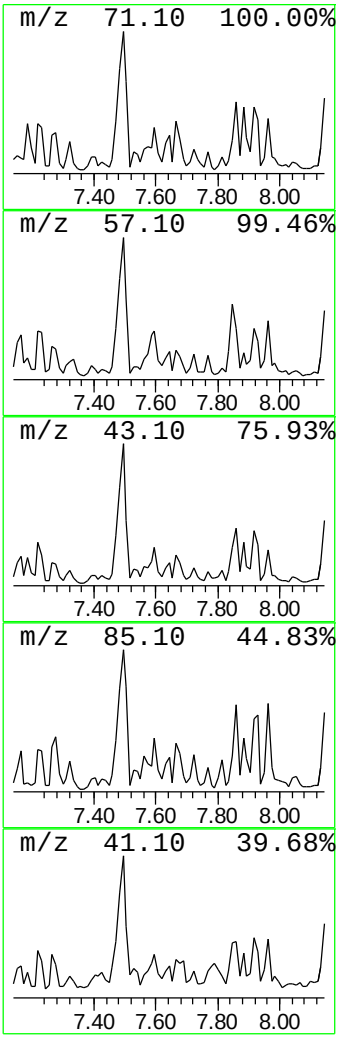
****

Peak Number 14 Decane, 3,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	6.47 ng	2310540	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	64
2	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	59
3	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	53
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

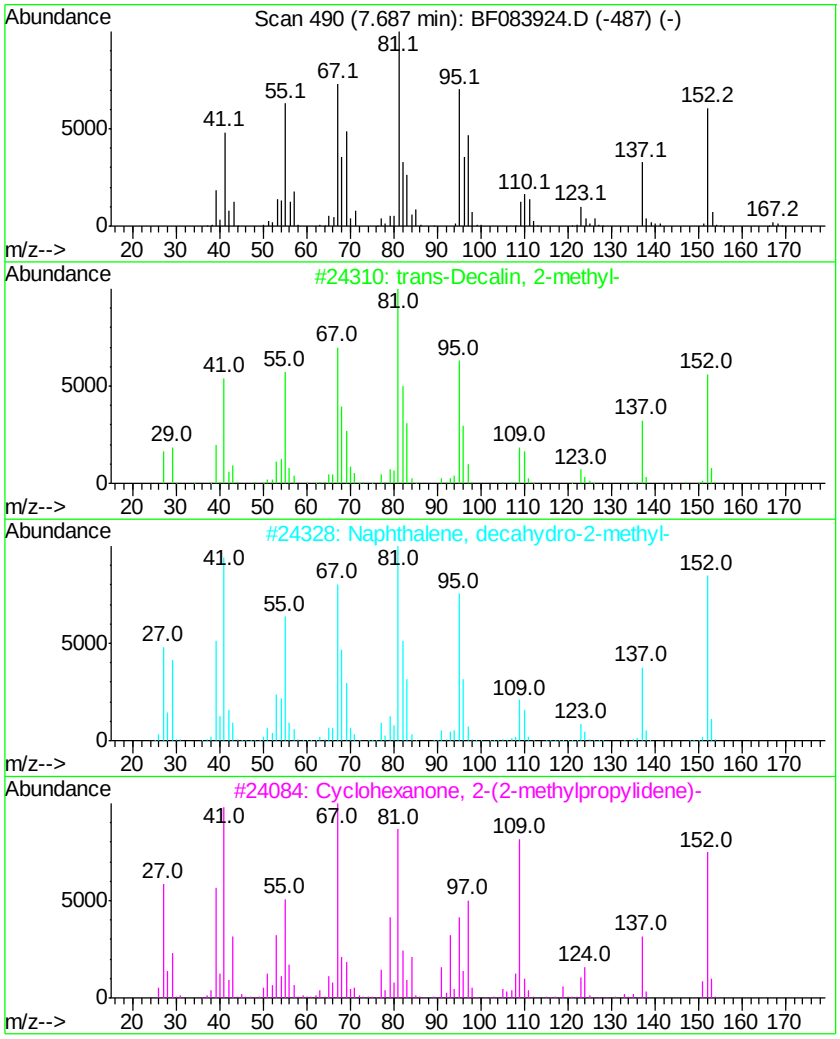
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

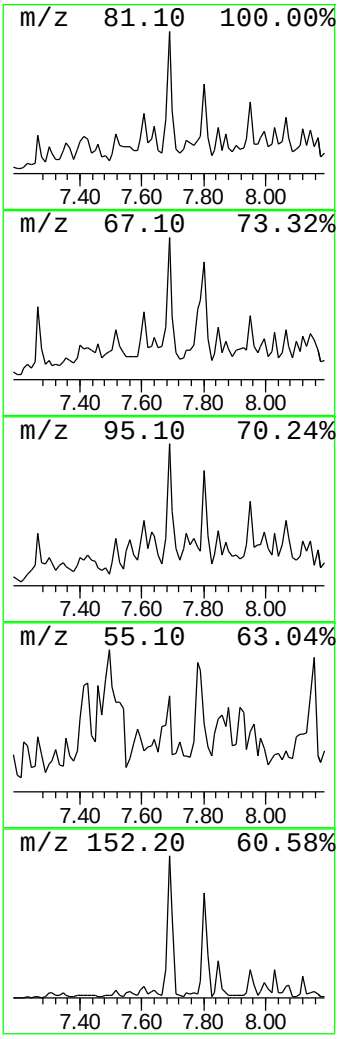
****

Peak Number 15 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	12.44 ng	4443730	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3	Cyclohexanone, 2-(2-methylpropyl...	152	C10H16O	043108-69-6	80
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	78
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

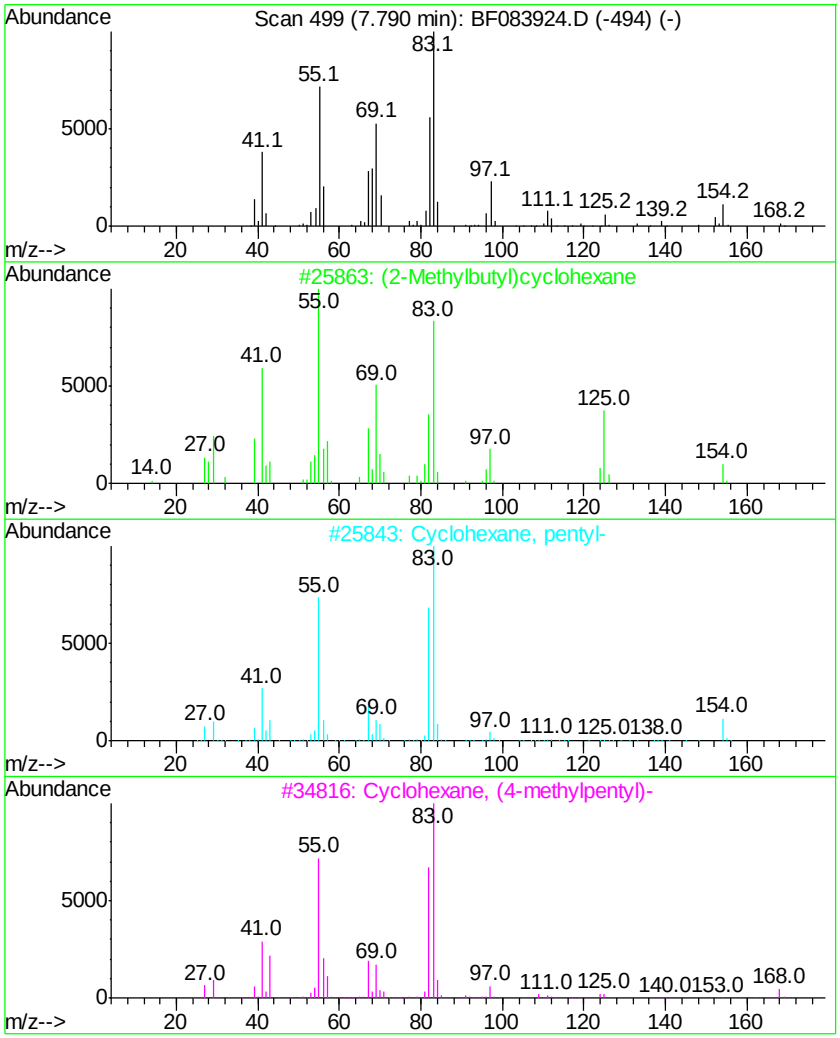
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

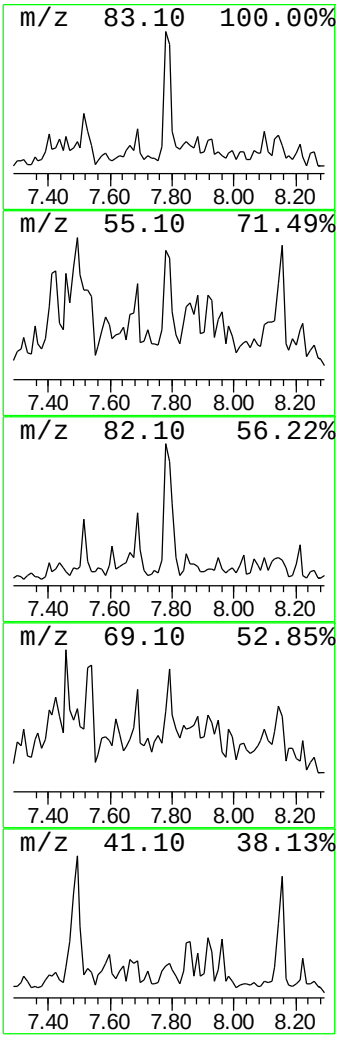
****

Peak Number 16 (2-Methylbutyl)cyclohexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	16.52 ng	5901740	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2-Methylbutyl)cyclohexane	154	C11H22	054105-77-0	68
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53
4	Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	52
5	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

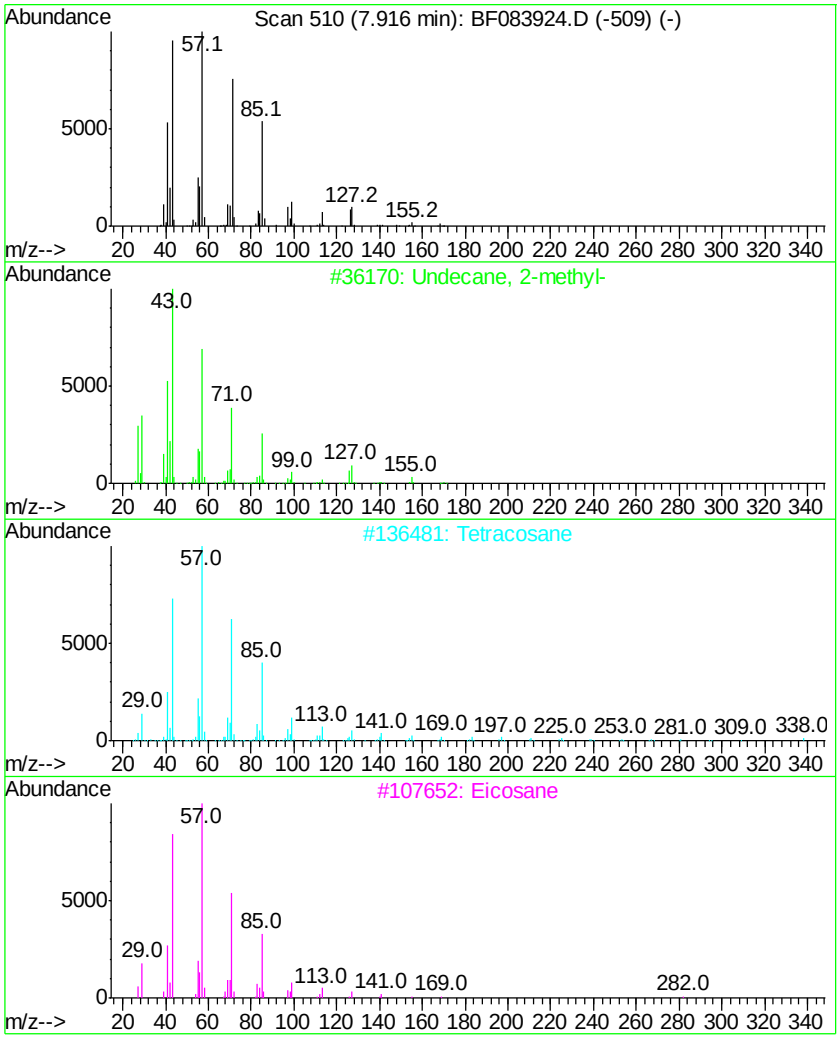
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

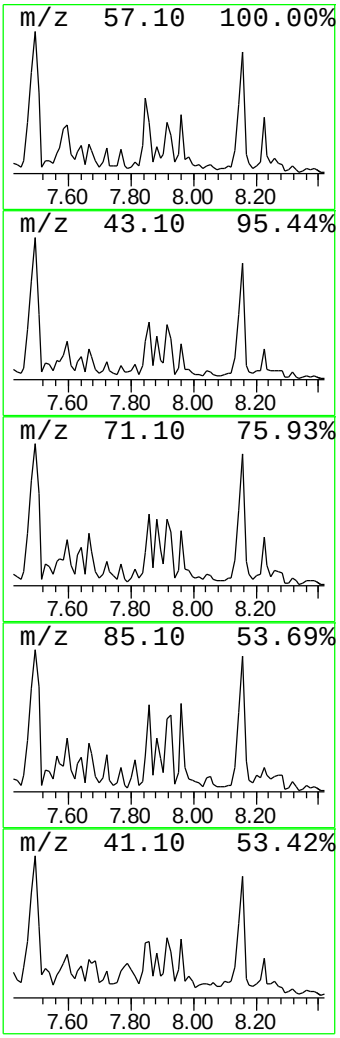
****

Peak Number 18 Undecane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	9.05 ng	3231680	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	90
2	Tetracosane	338	C24H50	000646-31-1	80
3	Eicosane	282	C20H42	000112-95-8	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

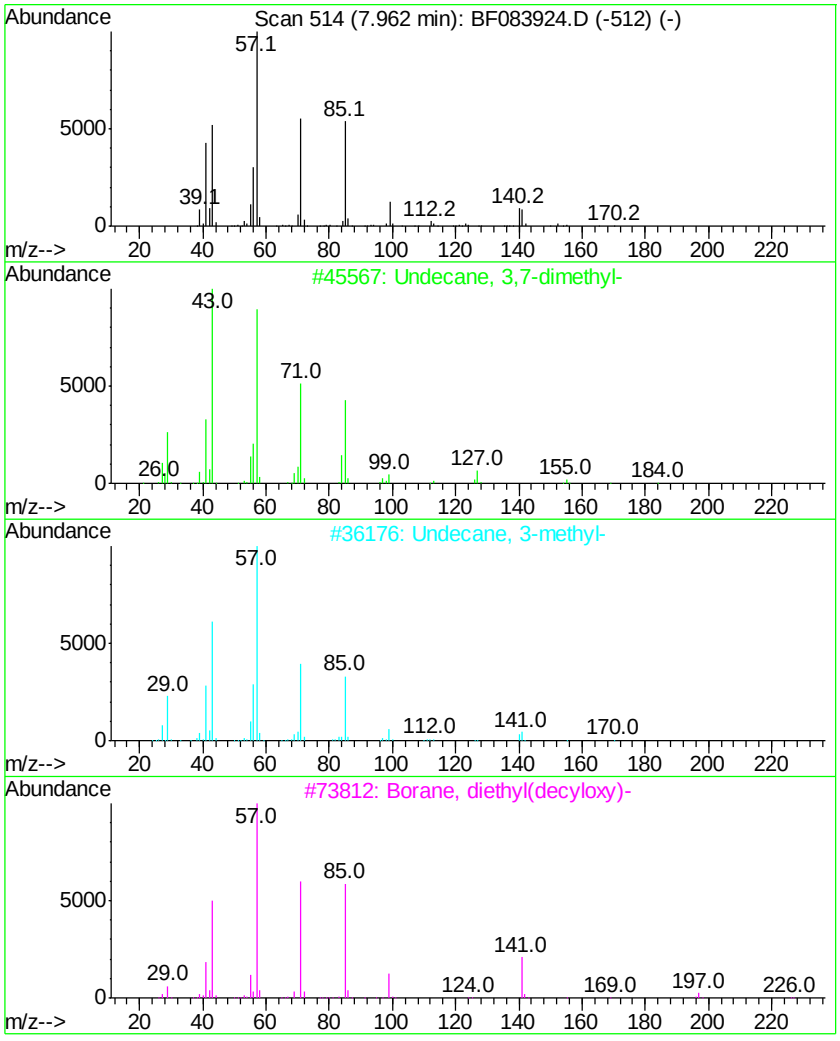
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

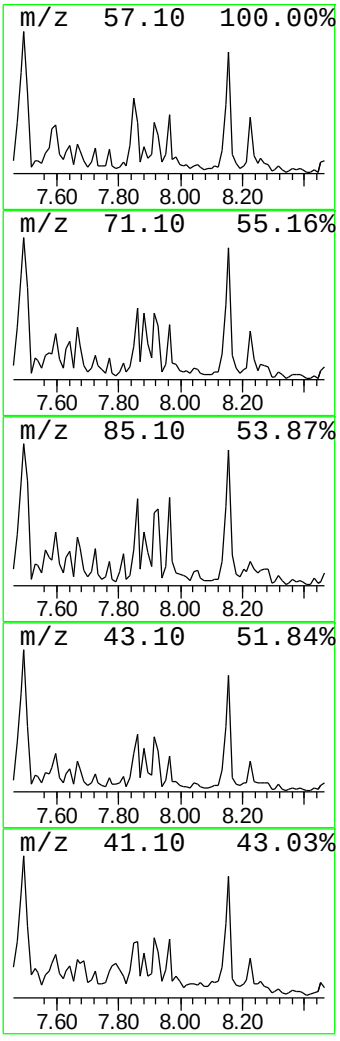
****

Peak Number 19 Undecane, 3,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	7.76 ng	2770160	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	64
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
3	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	59
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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

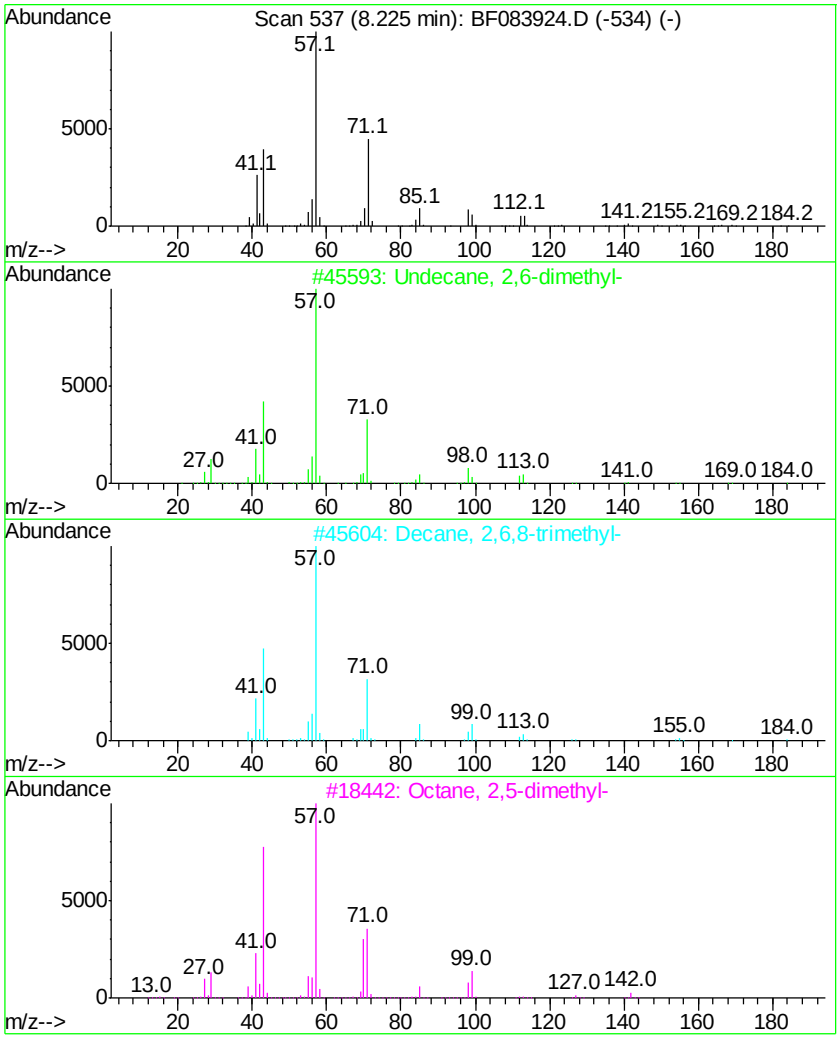
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

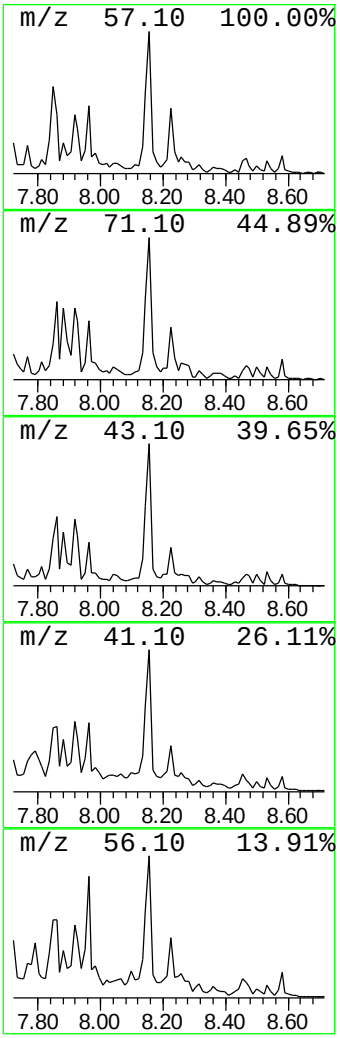
****

Peak Number 20 Undecane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	8.10 ng	2893780	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	59
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
Data File : BF083924.D
Acq On : 18 Dec 2015 20:26
Operator : UM/SJ
Sample : G4820-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9876

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
unknown6.65	6.65	6.2	ng	255004	1	6.86	828172	20.0
Decane	6.72	23.3	ng	965276	1	6.86	828172	20.0
unknown6.93	6.93	11.0	ng	455551	1	6.86	828172	20.0
unknown6.97	6.97	8.6	ng	357474	1	6.86	828172	20.0
unknown7.02	7.02	41.9	ng	1736710	1	6.86	828172	20.0
Cyclohexane, 1,4-...	7.06	5.6	ng	232042	1	6.86	828172	20.0
Heptane, 2,4,6-tr...	7.16	76.4	ng	3161960	1	6.86	828172	20.0
Decane, 2-methyl-	7.22	53.9	ng	2232660	1	6.86	828172	20.0
unknown7.26	7.26	62.3	ng	2579930	1	6.86	828172	20.0
1-Hexanol, 5-meth...	7.32	52.4	ng	2168530	1	6.86	828172	20.0
Undecane	7.49	236.3	ng	9785540	1	6.86	828172	20.0
unknown7.53	7.53	5.8	ng	2072520	2	8.16	7143120	20.0
Undecane, 5-methyl-	7.60	13.4	ng	4771800	2	8.16	7143120	20.0
Decane, 3,7-dimet...	7.64	6.5	ng	2310540	2	8.16	7143120	20.0
trans-Decalin, 2-...	7.69	12.4	ng	4443730	2	8.16	7143120	20.0
(2-Methylbutyl)cy...	7.79	16.5	ng	5901740	2	8.16	7143120	20.0
Undecane, 2-methyl-	7.92	9.1	ng	3231680	2	8.16	7143120	20.0
Undecane, 3,7-dim...	7.96	7.8	ng	2770160	2	8.16	7143120	20.0
Undecane, 2,6-dim...	8.22	8.1	ng	2893780	2	8.16	7143120	20.0