LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

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-BF121315.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	4.978	249	253	255	rVB	68495	79296	1.29%	0.075%
2	5.058	255	260	263	rBV3	106003	223989	3.64%	0.211%
3	5.116	263	265	269	rVV2	547727	877422	14.26%	0.827%
4	5.333	281	284	286	rBV	315037	329506	5.36%	0.311%
5	5.424	290	292	296	rVB2	256935	431558	7.02%	0.407%
6	5.527	298	301	304	rVB	2906198	3733186	60.69%	3.519%
7	5.619	304	309	311	rBV2	83832	147228	2.39%	0.139%
8	5.664	311	313	314	rVB	87190	77781	1.26%	0.073%
9	5.699	314	316	318	rBV	208031	288381	4.69%	0.272%
10	5.744	318	320	321	rVB	349205	435551	7.08%	0.411%
11	5.779	321	323	326	rBV2	327552	478477	7.78%	0.451%
12	5.836	326	328	332	rVB	1161339	1103826	17.94%	1.040%
13	5.950	334	338	340	rBV2	548627	886547	14.41%	0.836%
14	6.007	340	343	346	rBV3	582847	1254649	20.40%	1.183%
15	6.087	346	350	352	rVB	1064776	1628384	26.47%	1.535%
16	6.133	352	354	356	rBV	712458	940368	15.29%	0.886%
17	6.179	356	358	361	rVB	2254800	2598340	42.24%	2.449%
18	6.236	361	363	364	rBV	927313	884812	14.38%	0.834%
19	6.270	364	366	367	rVB2	146814	185123	3.01%	0.175%
20	6.373	372	375	377	rVV2	1388811	2011576	32.70%	1.896%
21	6.430	377	380	381	rVV2	1700946	2385431	38.78%	2.249%
22	6.464	381	383	386	rVV3	1934293	3214764	52.26%	3.030%
23	6.544	386	390	392	rVV2	2629614	5411765	87.98%	5.101%
24	6.601	394	395	399	rVV4	794274	1623646	26.39%	1.530%
25	6.693	399	403	405	rVV2	3437975	6151399	100.00%	5.798%
26	6.773	407	410	413	rVV	3251700	5196565	84.48%	4.898%
27	6.819	413	414	415	rVV	354026	450163	7.32%	0.424%
28	6.876	415	419	420	rVV3	905146	2089199	33.96%	1.969%
29	6.921	420	423	424	rVV2	1860079	2926060	47.57%	2.758%
30	6.944	424	425	427	rVV2	1977430	2636770	42.86%	2.485%
31	6.990	427	429	431	rVV2	1284610	2236842	36.36%	2.108%
32	7.082	433	437	439	rVV2	3786910	5985051	97.30%	5.642%
33	7.116	439	440	441	rVV	555075	506675	8.24%	0.478%
34	7.162	441	444	446	rVV2	753040	1828885	29.73%	1.724%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

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-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.207	446	448	449	rVV	1818337	2380536	38.70%	2.244%
36	7.242	449	451	452	rVV	1843203	2058526	33.46%	1.940%
37	7.276	452	454	456	rVV	1045987	1718943	27.94%	1.620%
38	7.322	456	458	460	rVV	1941111	2316566	37.66%	2.184%
39	7.356	460	461	463	rVV2	476535	780053	12.68%	0.735%
40	7.390	463	464	465	rVV	609637	641961	10.44%	0.605%
41	7.413	465	466	468	rVV	714095	913217	14.85%	0.861%
42	7.482	468	472	473	rVV3	2238750	4390002	71.37%	4.138%
43	7.527	473	476	478	rVV	2483627	3145204	51.13%	2.965%
44	7.573	478	480	482	rVV3	1071582	1621397	26.36%	1.528%
45	7.642	482	486	488	rVV4	767357	1823599	29.65%	1.719%
46	7.687	488	490	491	rVV	496762	911062	14.81%	0.859%
47	7.722	491	493	496	rVV3	661646	1448299	23.54%	1.365%
48	7.767	496	497	498	rVV	210262	222883	3.62%	0.210%
49	7.824	498	502	503	rVV3	390471	1024578	16.66%	0.966%
50	7.859	503	505	507	rVV2	502021	863711	14.04%	0.814%
51	7.893	507	508	510	rVV	383643	480115	7.80%	0.453%
52	7.927	510	511	513	rVV2	396579	637896	10.37%	0.601%
53	7.973	513	515	517	rVV2	305210	524796	8.53%	0.495%
54	8.007	517	518	522	rVV4	246215	522840	8.50%	0.493%
55	8.076	522	524	525	rVV	153974	178217	2.90%	0.168%
56	8.156	528	531	533	rVV2	126537	306149	4.98%	0.289%
57	8.202	533	535	536	rVV2	1235481	1437266	23.36%	1.355%
58	8.224	536	537	539	rVV2	125702	175938	2.86%	0.166%
59	8.270	539	541	542	rVV2	135733	186337	3.03%	0.176%
60	8.304	542	544	548	rVV3	64283	120831	1.96%	0.114%
61	9.276	626	629	632	rVB	3755791	3718010	60.44%	3.505%
62	9.665	661	663	668	rVB	824430	754074	12.26%	0.711%
63	9.893	681	683	686	rVV	87214	65687	1.07%	0.062%
64	9.950	686	688	691	rVB	1166825	1072143	17.43%	1.011%
65	10.396	723	727	728	rBV	80609	95115	1.55%	0.090%
66	10.613	743	746	749	rBV	41117	61551	1.00%	0.058%
67	10.739	754	757	759	rBV	2457336	2483382	40.37%	2.341%
68	10.865	766	768	773	rBV	107820	140865	2.29%	0.133%
69	11.310	805	807	808	rBV	77190	62640	1.02%	0.059%
70	11.436	815	818	820	rVB	730660	998533	16.23%	0.941%
71	13.014	953	956	959	rBV	3175950	3095815	50.33%	2.918%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

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-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.905	1032	1034	1043	rVB2	61832	98261	1.60%	0.093%
73	14.054	1045	1047	1050	rBV	769332	730026	11.87%	0.688%
74	15.494	1170	1173	1176	rBV	540834	640737	10.42%	0.604%

Sum of corrected areas: 106086976

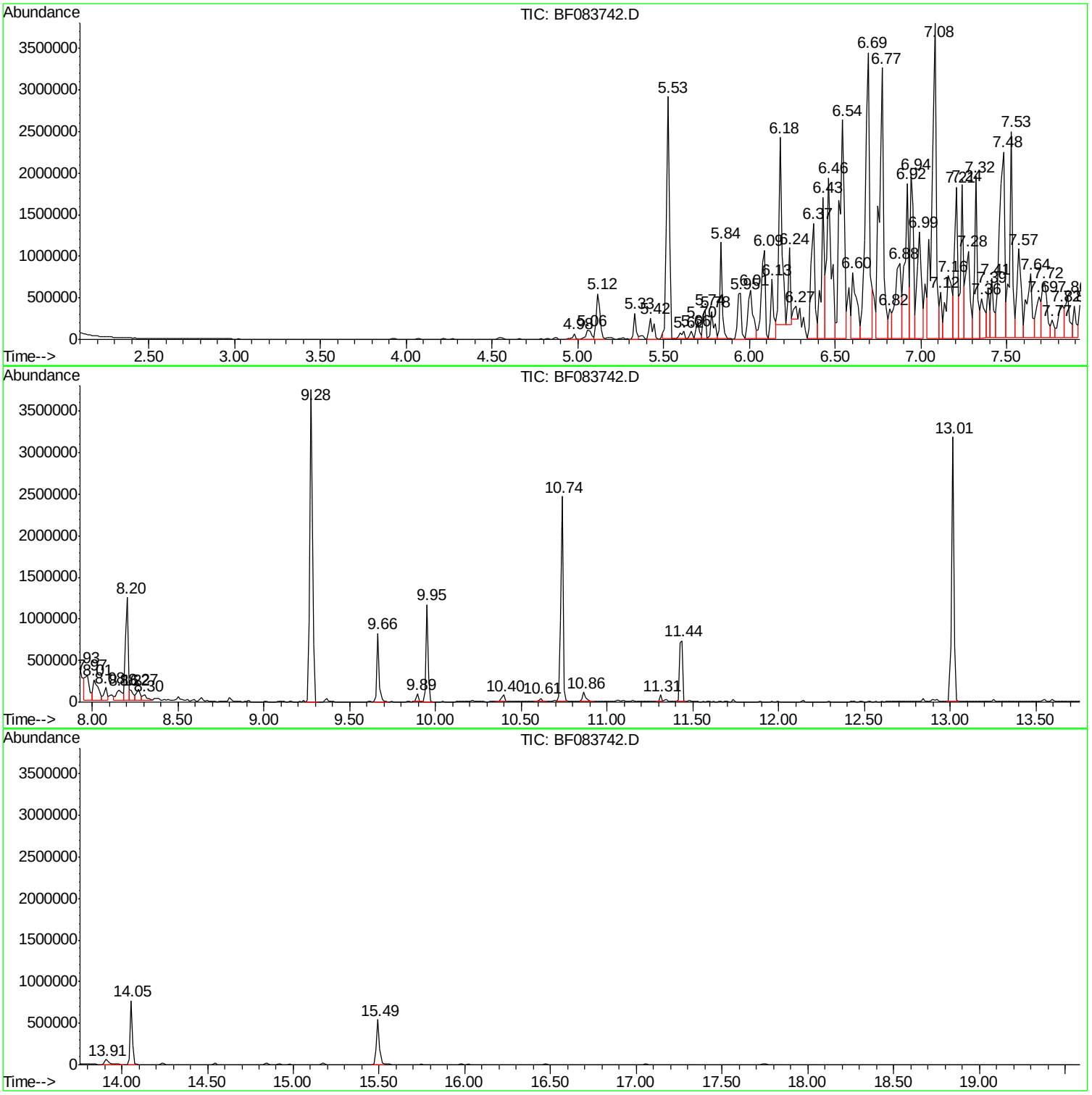
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

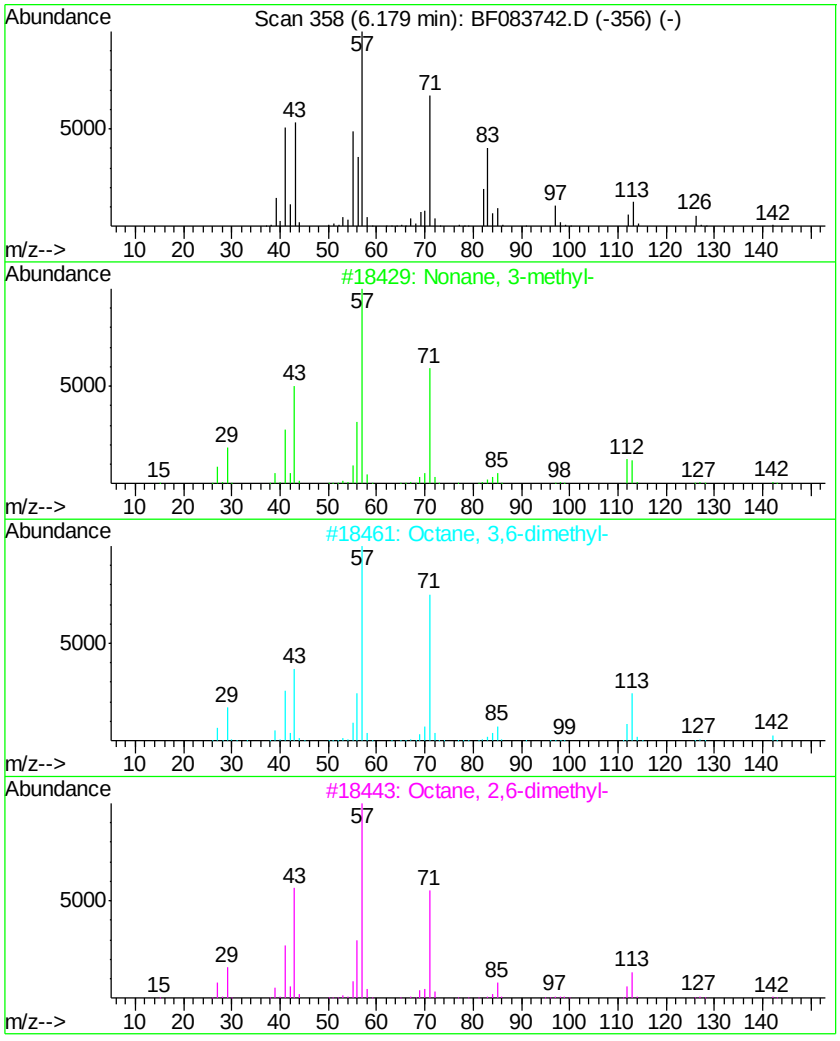
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

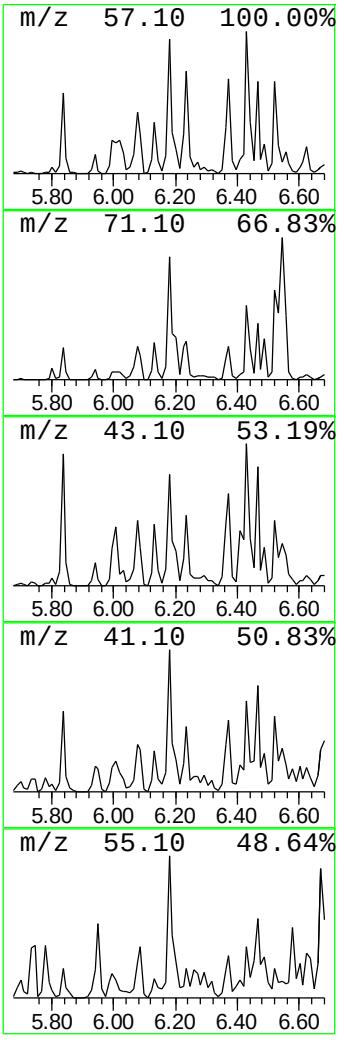
****

Peak Number 1 Nonane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	17.76 ng	2598340	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	52
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	52
4	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	43
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

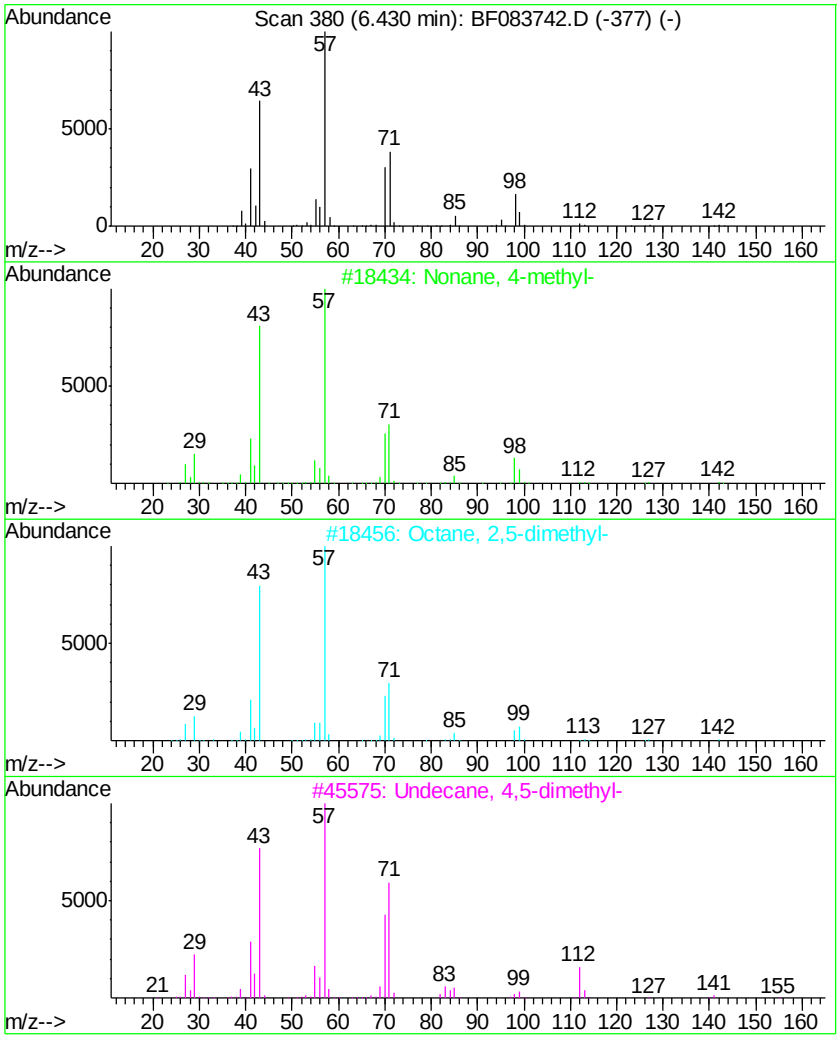
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

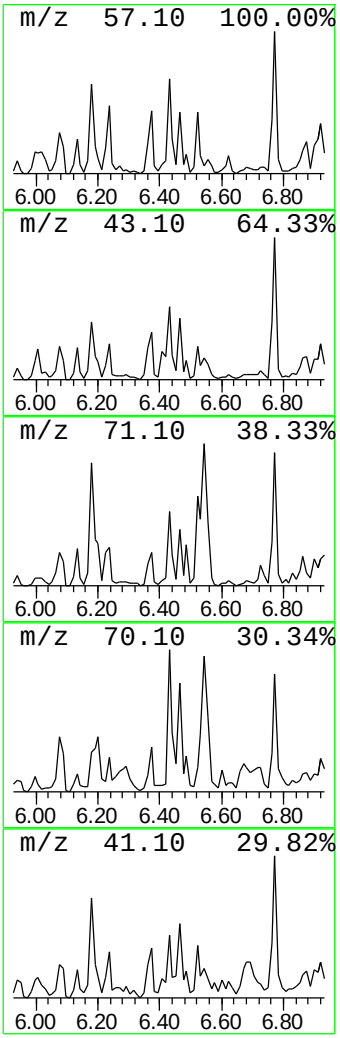
****

Peak Number 2 Nonane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	16.30 ng	2385430	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	87
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

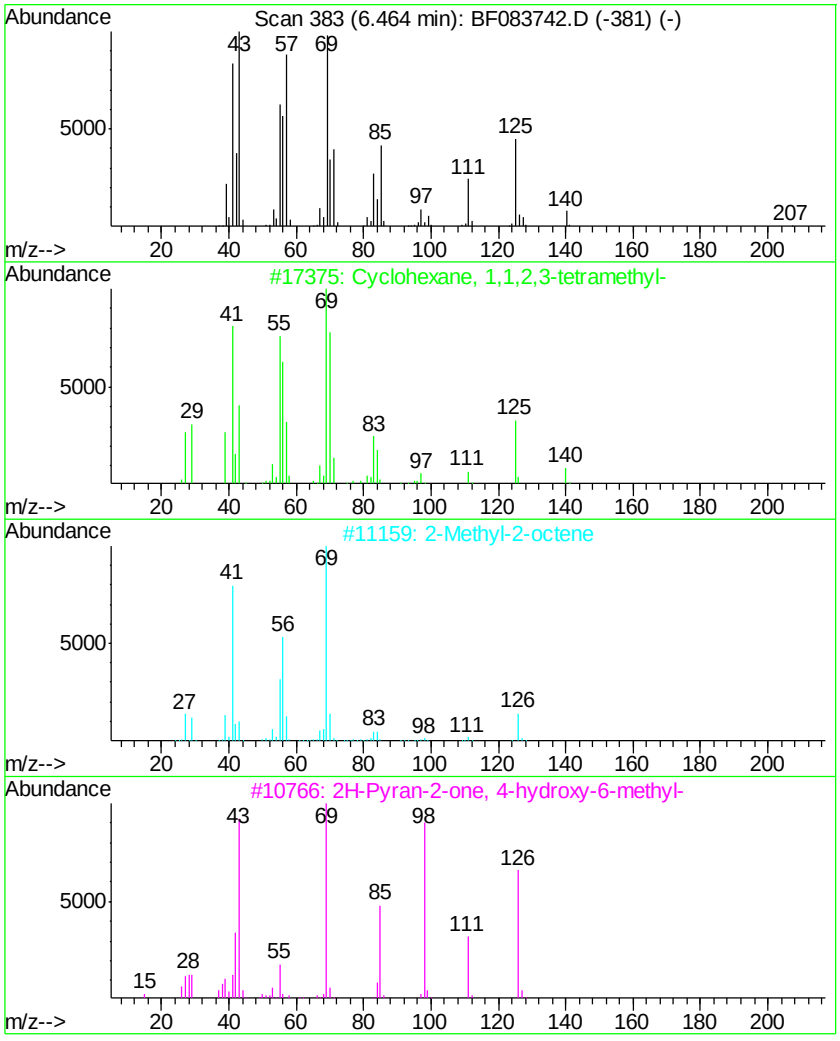
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

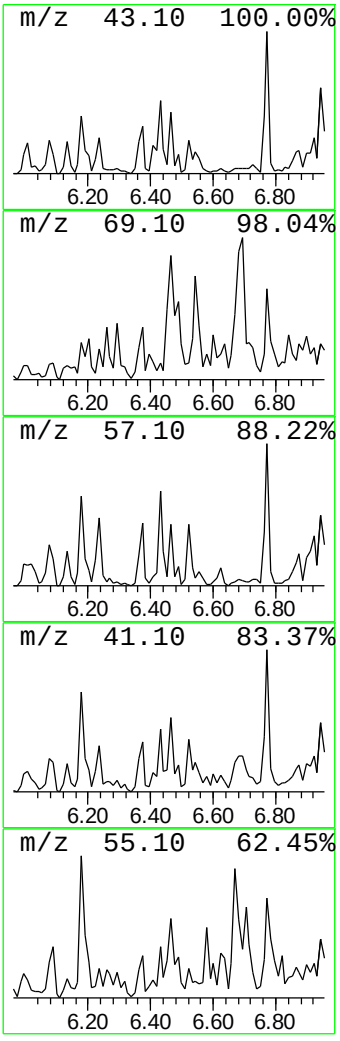
****

Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	21.97 ng	3214760	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	55
2	2-Methyl-2-octene	126	C9H18	016993-86-5	38
3	2H-Pyran-2-one, 4-hydroxy-6-methyl-	126	C6H6O3	000675-10-5	35
4	1-Nonanol, 4,8-dimethyl-	172	C11H24O	033933-80-1	27
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

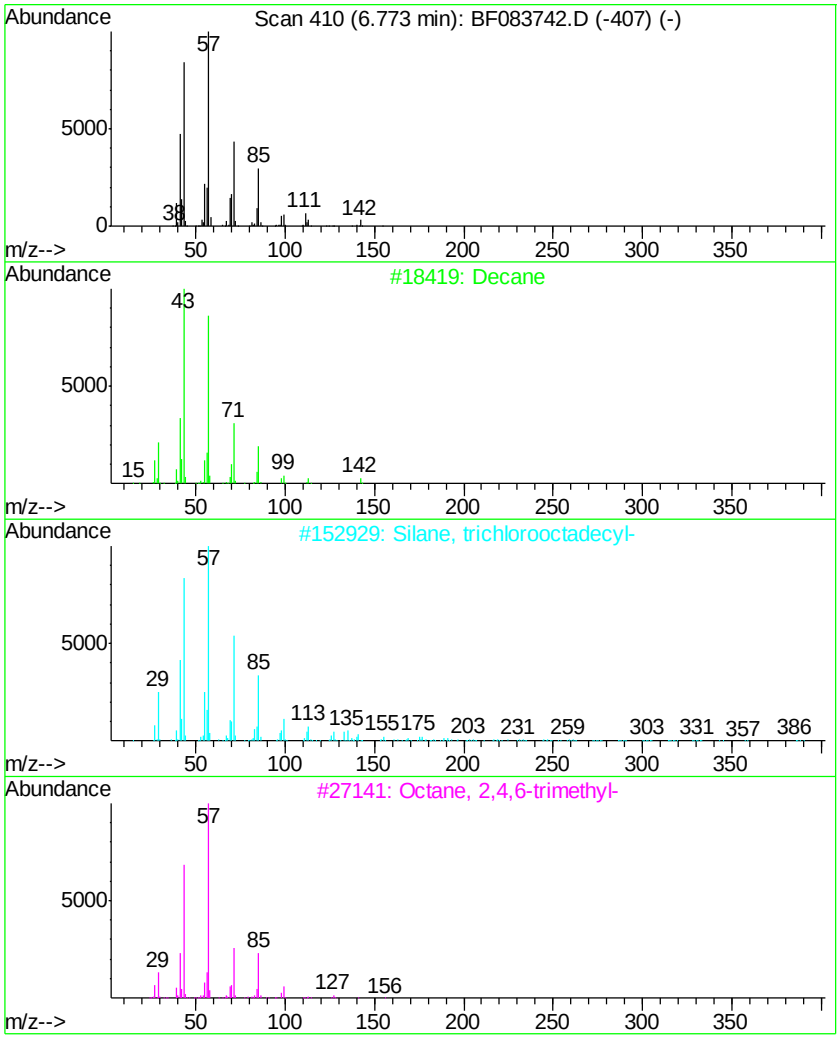
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

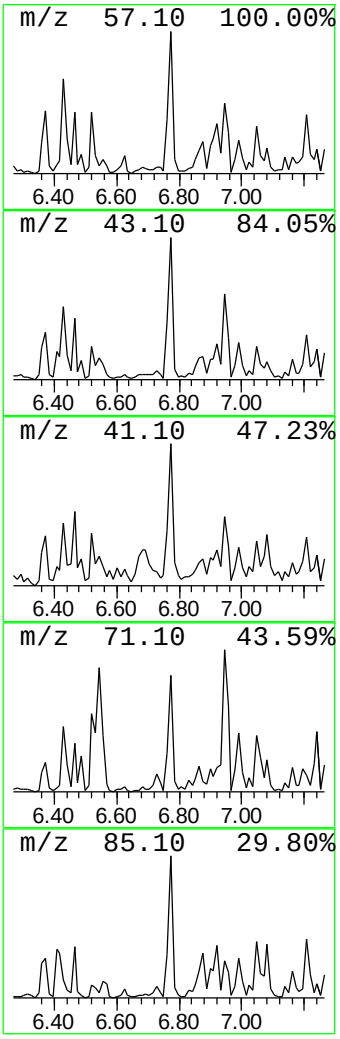
****

Peak Number 5 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	35.52 ng	5196570	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	72
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

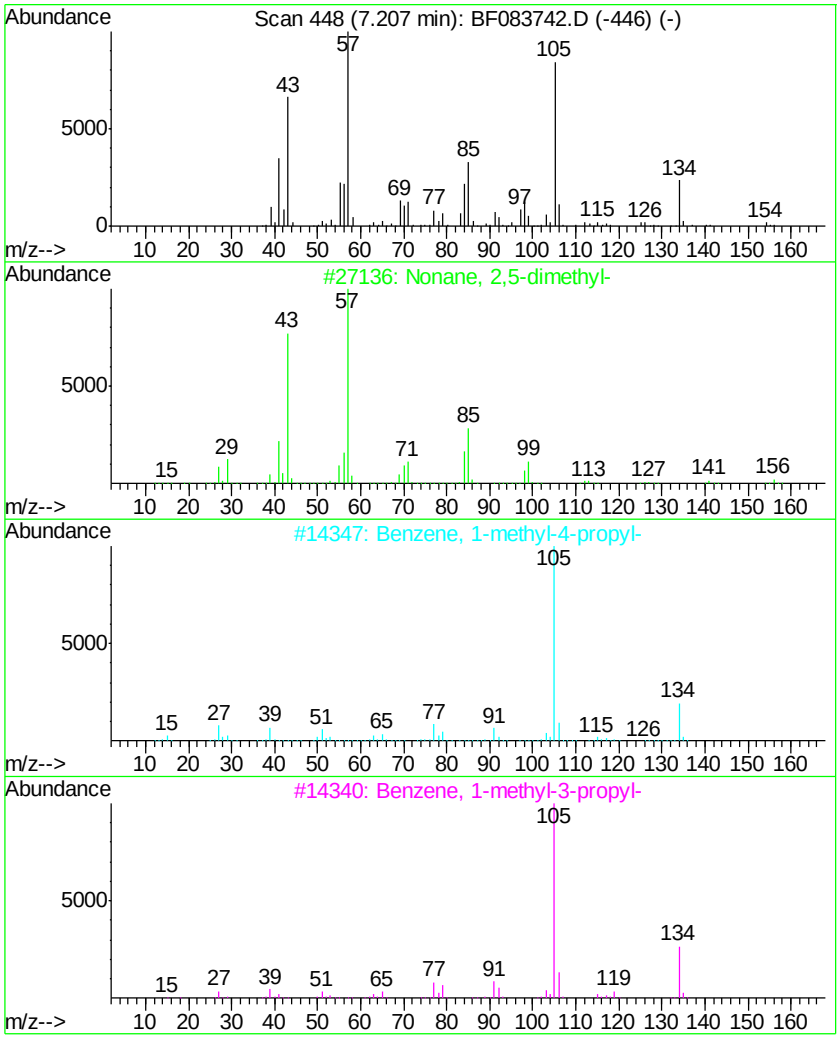
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

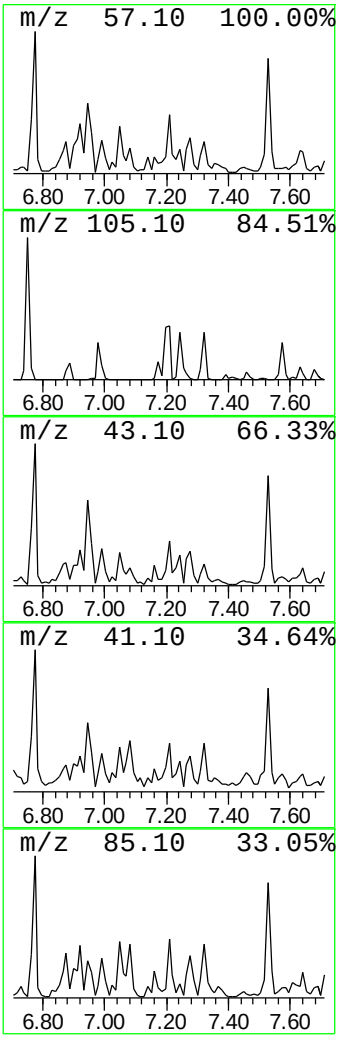
****

Peak Number 7 Nonane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	16.27 ng	2380540	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	60
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	38
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	38
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

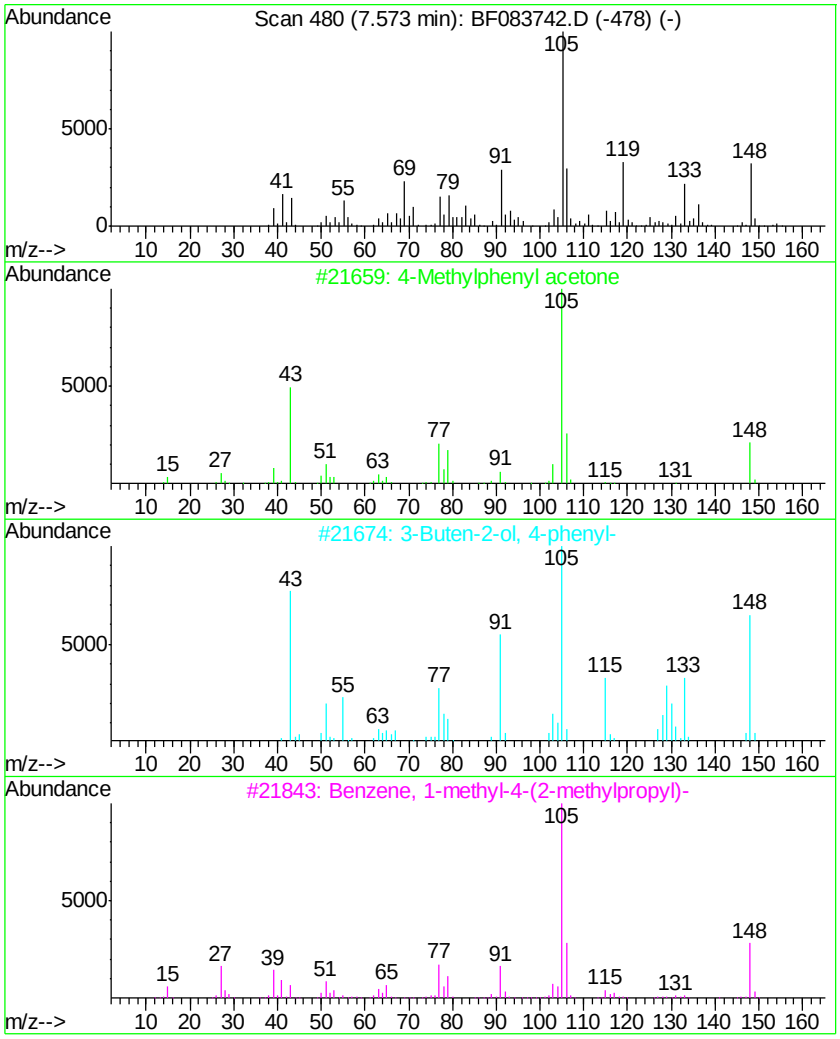
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

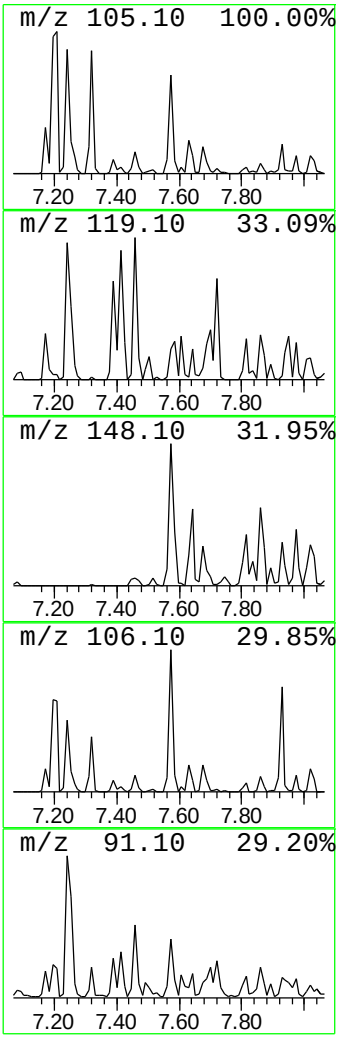
****

Peak Number 8 unknown7.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	22.56 ng	1621400	Naphthalene-d8	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylphenyl acetone	148	C10H12O	002096-86-8	45
2	3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	43
3	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	43
4	Benzeneethanol, 2-methyl-	136	C9H12O	019819-98-8	42
5	2-Methylindan-2-ol	148	C10H12O	033223-84-6	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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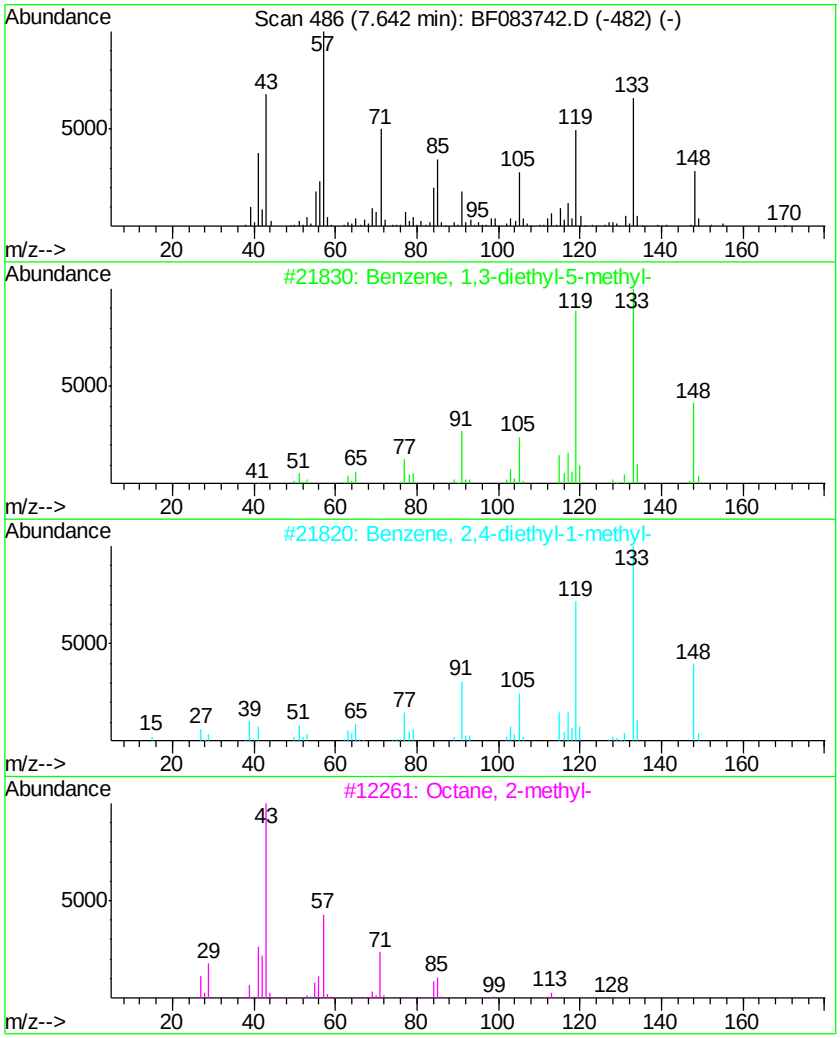
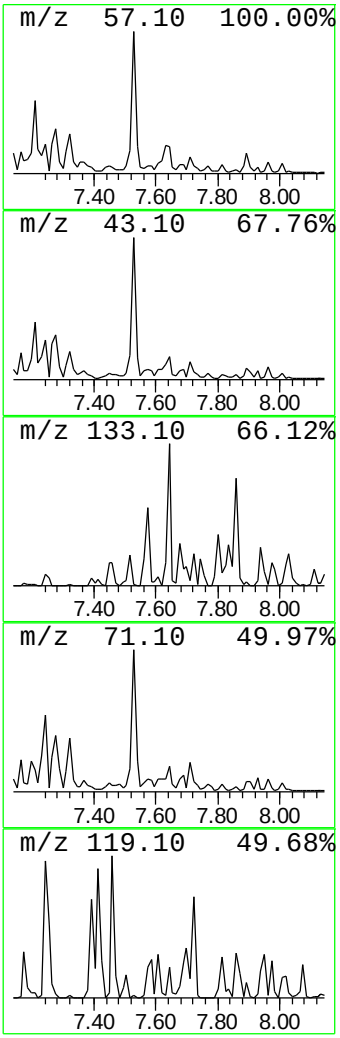
Peak Number 9 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	25.38 ng	1823600	Naphthalene-d8	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	86
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	46
3	Octane, 2-methyl-	128	C9H20	003221-61-2	38
4	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	35
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	35





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Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

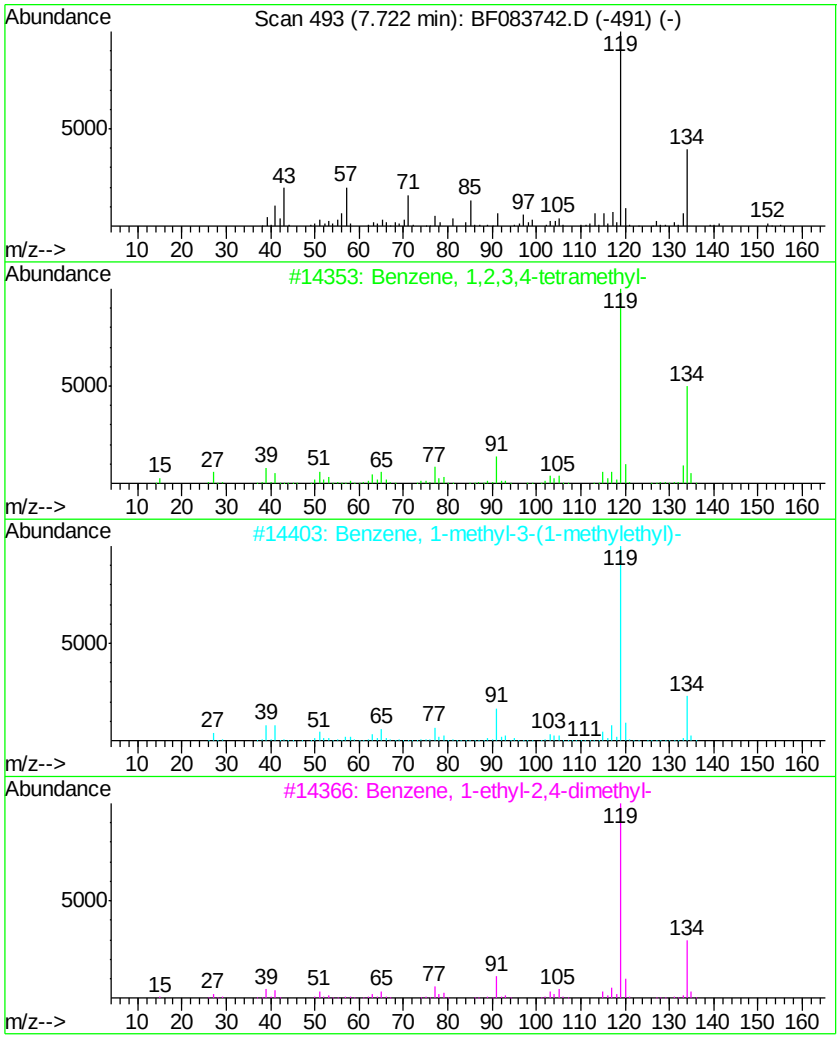
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

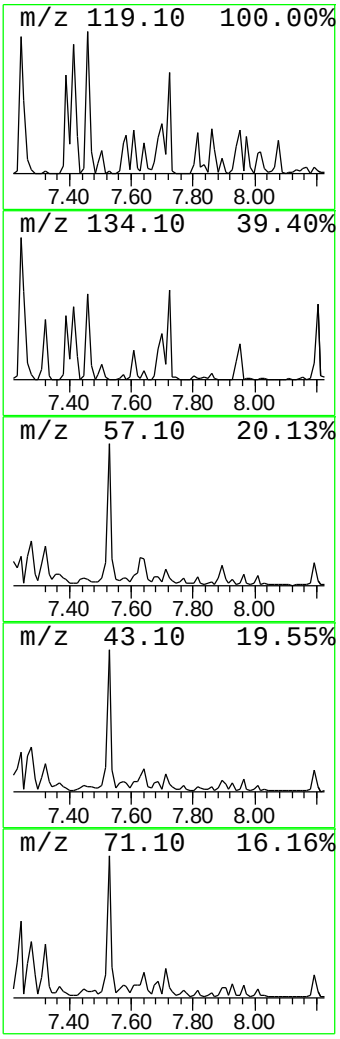
****

Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	20.15 ng	1448300	Naphthalene-d8	8.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
Data File : BF083742.D
Acq On : 13 Dec 2015 21:16
Operator : UM/IZ
Sample : G4648-24
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(17-20)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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-	6.18	17.8	ng	2598340	1	6.92	2926060	20.0
Nonane, 4-methyl-	6.43	16.3	ng	2385430	1	6.92	2926060	20.0
Cyclohexane, 1,1,...	6.46	22.0	ng	3214760	1	6.92	2926060	20.0
Decane	6.77	35.5	ng	5196570	1	6.92	2926060	20.0
Nonane, 2,5-dimet...	7.21	16.3	ng	2380540	1	6.92	2926060	20.0
unknown7.57	7.57	22.6	ng	1621400	2	8.20	1437270	20.0
Benzene, 1,3-diet...	7.64	25.4	ng	1823600	2	8.20	1437270	20.0
Benzene, 1,2,3,4-...	7.72	20.1	ng	1448300	2	8.20	1437270	20.0