LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

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-BF123115.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	3.596	126	132	138	rBV2	152816	485860	1.55%	0.083%
2	3.767	143	147	151	rBV	196366	451074	1.44%	0.077%
3	3.939	156	162	165	rBV2	533016	974312	3.11%	0.167%
4	4.110	172	177	179	rBV	182563	341864	1.09%	0.059%
5	4.167	179	182	186	rVB	251133	456904	1.46%	0.078%
6	4.316	192	195	199	rVB2	873008	1548556	4.94%	0.265%
7	4.430	199	205	208	rVB	590565	839428	2.68%	0.144%
8	4.533	208	214	217	rBV3	139244	345852	1.10%	0.059%
9	4.659	222	225	226	rBV	363210	498690	1.59%	0.085%
10	4.773	230	235	237	rBV	986179	1396993	4.46%	0.239%
11	4.819	237	239	240	rBV	452560	776918	2.48%	0.133%
12	4.864	240	243	247	rVB3	2151989	3843725	12.26%	0.658%
13	4.933	247	249	252	rBV2	2912728	5791551	18.48%	0.992%
14	5.002	254	255	257	rVB2	616512	577429	1.84%	0.099%
15	5.070	257	261	264	rVB	564763	803122	2.56%	0.138%
16	5.150	265	268	269	rBV	3283117	3847566	12.28%	0.659%
17	5.173	269	270	274	rVB3	493022	630284	2.01%	0.108%
18	5.242	274	276	277	rBV	1484002	1182931	3.77%	0.203%
19	5.264	277	278	280	rVB	1332695	1292988	4.13%	0.221%
20	5.344	280	285	286	rBV	2417378	3223371	10.28%	0.552%
21	5.379	286	288	291	rVB	4622324	4778576	15.25%	0.818%
22	5.436	291	293	296	rBV	1434356	2094166	6.68%	0.359%
23	5.482	296	297	299	rVB	422860	579628	1.85%	0.099%
24	5.527	299	301	303	rBV2	2849956	3821814	12.19%	0.654%
25	5.573	303	305	306	rVB	3359507	3149246	10.05%	0.539%
26	5.607	306	308	312	rVB3	1965893	4180469	13.34%	0.716%
27	5.676	312	314	317	rBV	5227975	6215645	19.83%	1.064%
28	5.790	319	324	326	rBV2	4085504	6270008	20.00%	1.074%
29	5.847	326	329	333	rBV3	1708912	4579993	14.61%	0.784%
30	5.927	333	336	338	rVB2	5331461	6956654	22.19%	1.191%
31	5.984	338	341	343	rBV2	1997371	4029310	12.86%	0.690%
32	6.030	343	345	348	rBV	8526325	11998991	38.28%	2.055%
33	6.087	348	350	351	rBV	4228191	4521314	14.42%	0.774%
34	6.110	351	352	359	rVB4	2341569	7065323	22.54%	1.210%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.224	359	362	364	rBV2	4089726	8328514	26.57%	1.426%
36	6.316	364	370	374	rVB4	4810974	15674099	50.01%	2.684%
37	6.384	374	376	378	rBV2	4435590	5840260	18.63%	1.000%
38	6.430	378	380	381	rVV	4623988	5726436	18.27%	0.981%
39	6.453	381	382	386	rVB4	2060240	4047859	12.91%	0.693%
40	6.556	386	391	395	rBV5	5744421	16470256	52.55%	2.820%
41	6.636	395	398	404	rBV3	9207262	18961123	60.49%	3.247%
42	6.785	409	411	412	rBV	2074897	1672277	5.34%	0.286%
43	6.819	412	414	416	rVB	5074712	4812735	15.35%	0.824%
44	6.853	416	417	419	rVB	2012329	1996647	6.37%	0.342%
45	6.945	423	425	431	rVB3	7125480	14109417	45.01%	2.416%
46	7.082	431	437	438	rBV4	4691567	13174047	42.03%	2.256%
47	7.116	438	440	441	rVB2	2008968	2494481	7.96%	0.427%
48	7.150	441	443	445	rBV2	2375928	3730420	11.90%	0.639%
49	7.196	445	447	452	rVB	6457339	13722051	43.78%	2.350%
50	7.356	456	461	462	rBV3	4209815	10845510	34.60%	1.857%
51	7.425	463	467	473	rVB2	7745070	24358787	77.71%	4.171%
52	7.527	473	476	480	rBV3	2849380	7167740	22.87%	1.227%
53	7.607	481	483	489	rVB4	4946985	11681908	37.27%	2.000%
54	7.722	489	493	496	rBV4	4899926	15298048	48.81%	2.620%
55	8.099	520	526	529	rBV	8581465	31344019	100.00%	5.367%
56	8.293	539	543	549	rBV8	2909722	13891965	44.32%	2.379%
57	8.408	549	553	557	rBV5	3830172	13854261	44.20%	2.372%
58	8.556	563	566	570	rVB2	4850320	11131993	35.52%	1.906%
59	8.728	577	581	583	rBV	6419843	16792001	53.57%	2.875%
60	9.310	626	632	633	rBV	6929881	18774584	59.90%	3.215%
61	9.619	656	659	662	rVB	4159534	9931801	31.69%	1.701%
62	9.836	674	678	680	rBV	5699370	14850193	47.38%	2.543%
63	10.065	694	698	699	rBV2	3583513	9174920	29.27%	1.571%
64	10.339	717	722	725	rBV	6567913	18345268	58.53%	3.141%
65	10.556	737	741	743	rBV	4896115	10433652	33.29%	1.787%
66	10.819	759	764	768	rBV	7318122	22901144	73.06%	3.922%
67	11.265	799	803	808	rVB2	7091277	21951578	70.03%	3.759%
68	11.688	836	840	841	rBV	6412201	12313822	39.29%	2.109%
69	12.076	871	874	878	rBV	6304972	11712554	37.37%	2.006%
70	12.408	901	903	905	rBV2	1551465	1930312	6.16%	0.331%
71	12.454	905	907	909	rVB	6267230	9036946	28.83%	1.547%

LSC Area Percent Report

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Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.819	937	939	940	rVB	7479541	7834296	24.99%	1.342%
73	12.854	940	942	944	rVV	1040846	1488481	4.75%	0.255%
74	12.934	947	949	954	rVB2	3536567	5479402	17.48%	0.938%
75	13.162	966	969	971	rBV	6349645	6783412	21.64%	1.162%
76	13.197	971	972	977	rVB4	652651	1372398	4.38%	0.235%
77	13.494	996	998	1000	rVB	4682469	4367337	13.93%	0.748%
78	13.814	1024	1026	1033	rVB	3013959	3690324	11.77%	0.632%
79	13.962	1037	1039	1041	rVB	964869	1345306	4.29%	0.230%
80	14.134	1051	1054	1056	rVB	880903	1230511	3.93%	0.211%
81	14.431	1078	1080	1086	rVB	688513	902546	2.88%	0.155%
82	14.728	1104	1106	1110	rVB	278148	315212	1.01%	0.054%
83	15.357	1158	1161	1163	rBV	949288	1140469	3.64%	0.195%

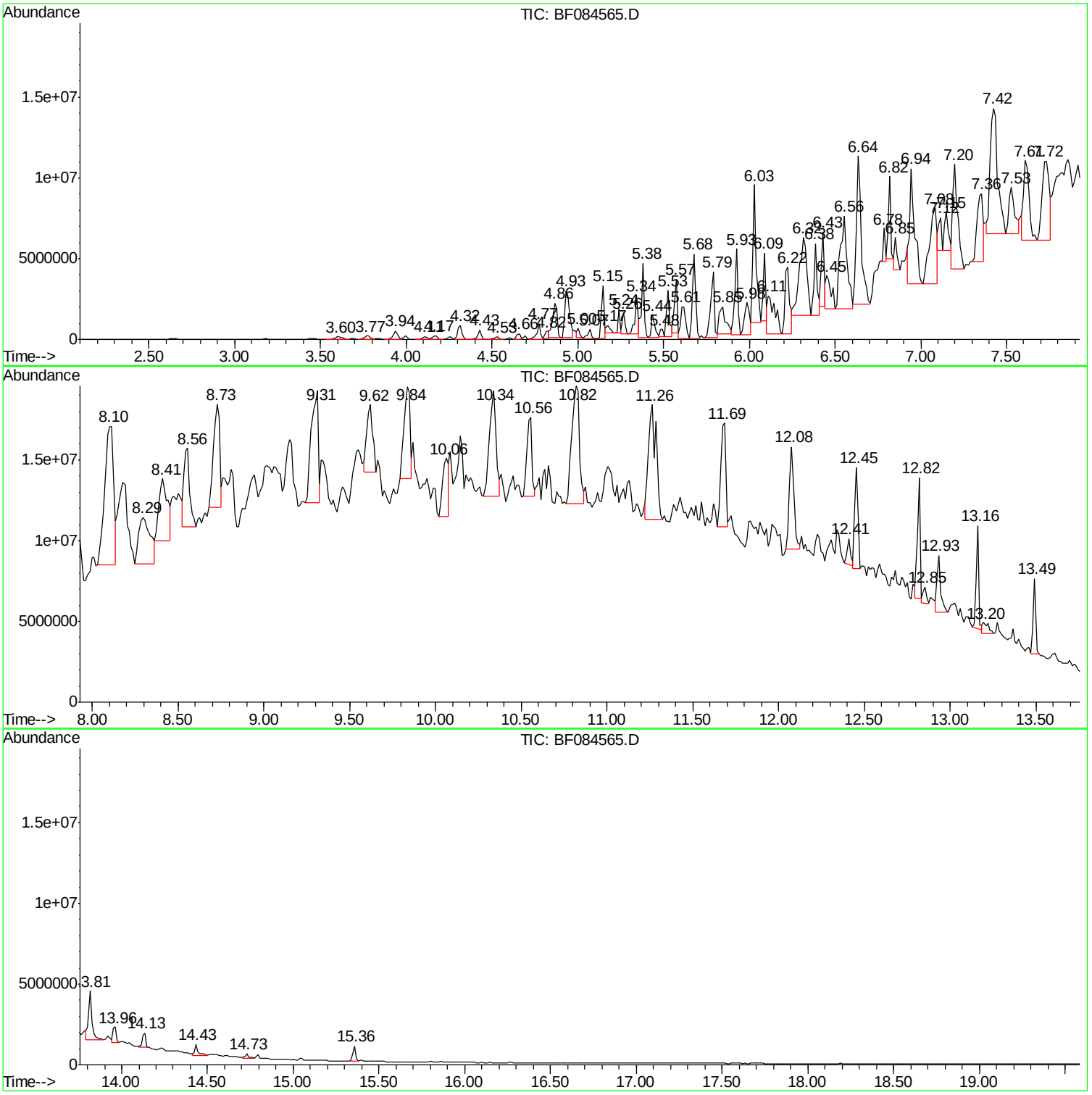
Sum of corrected areas: 583983877

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

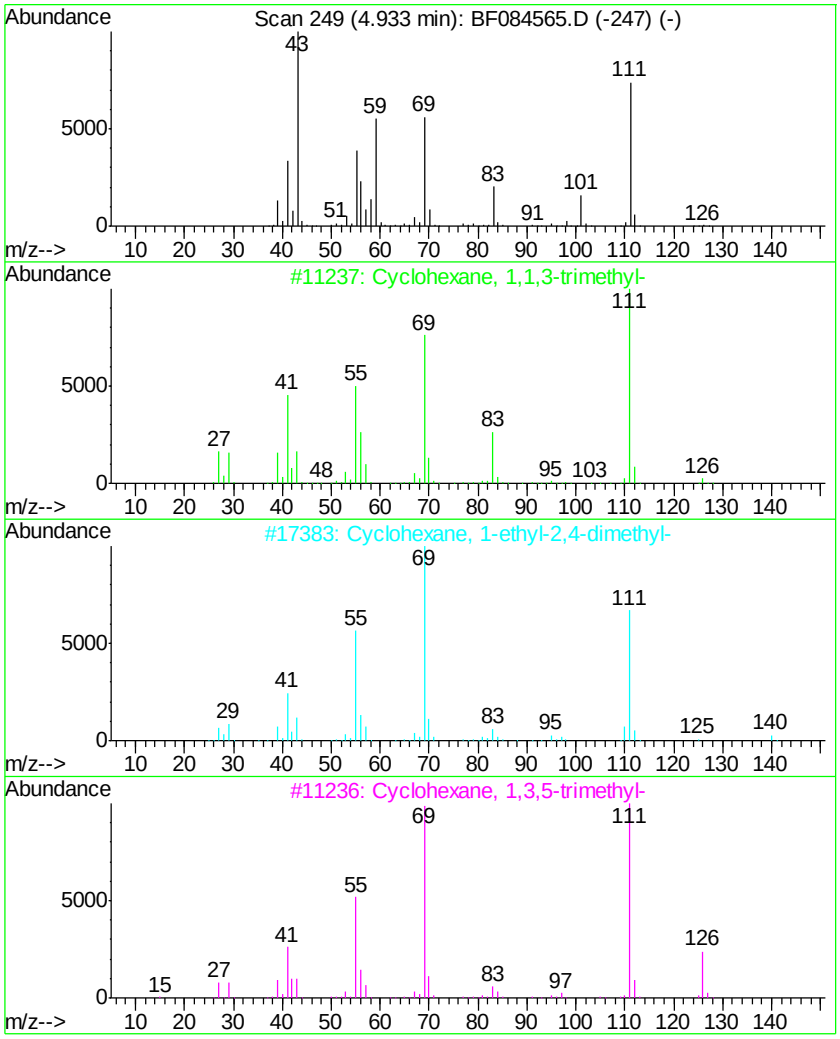
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

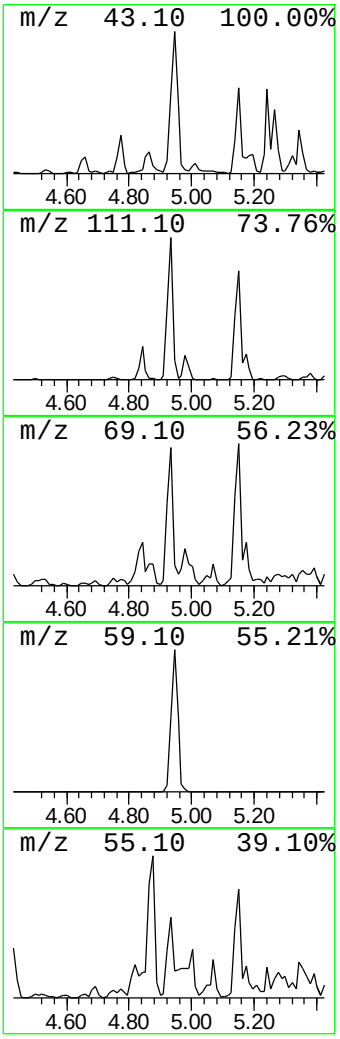
****

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	69.27 ng	5791550	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	38
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	38
4	p-Fluoroaniline	111	C6H6FN	000371-40-4	35
5	2(1H)-Pyrimidinone, 4-amino-	111	C4H5N3O	000071-30-7	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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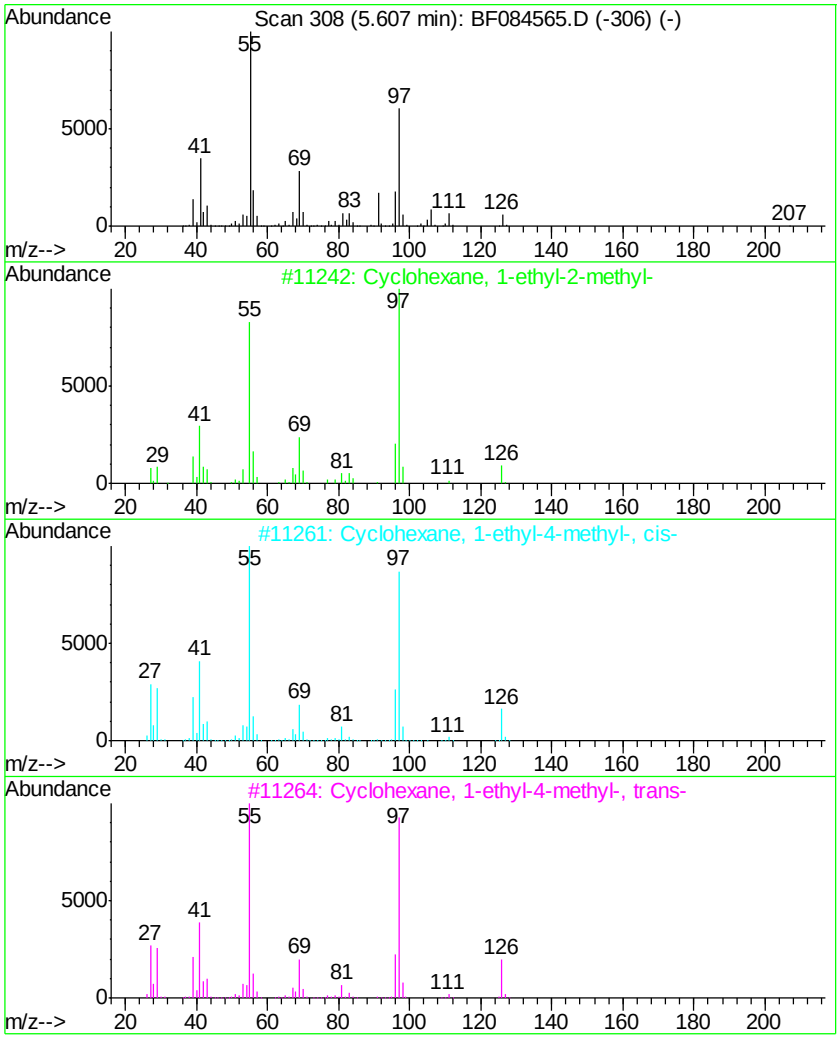
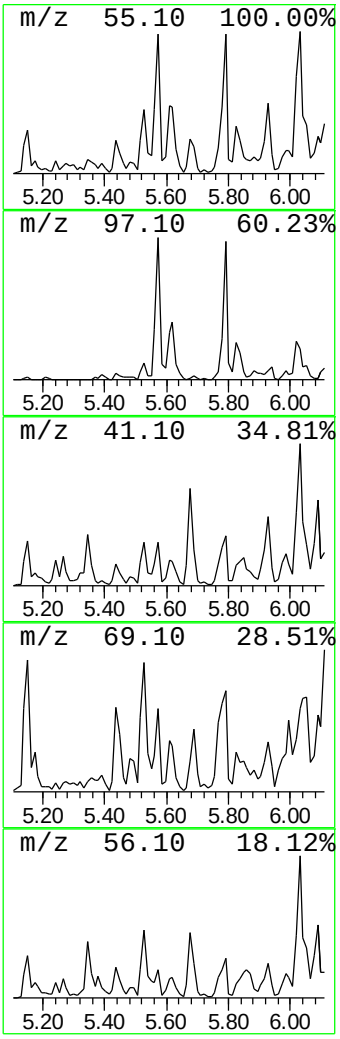
Peak Number 2 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	50.00 ng	4180470	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	74
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59
4	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	53
5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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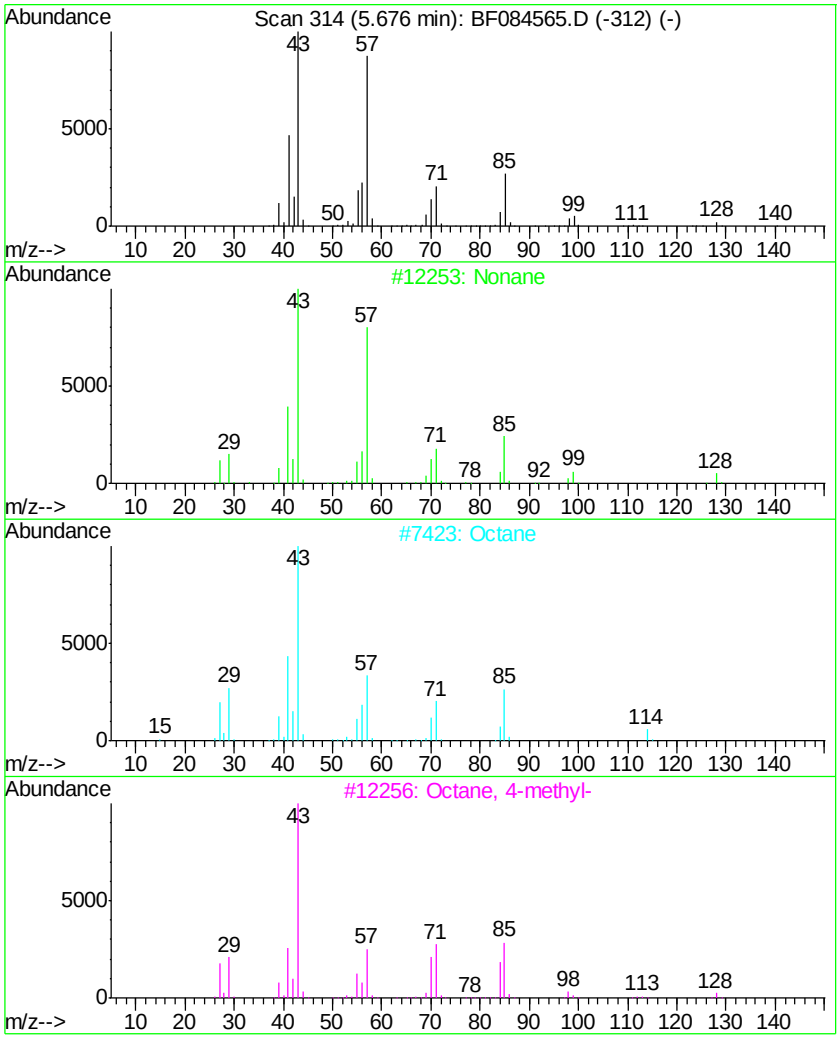
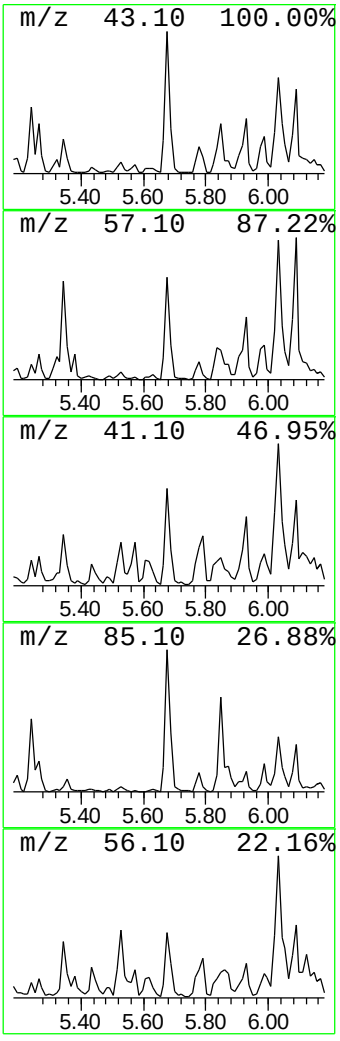
Peak Number 3 Nonane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	74.34 ng	6215650	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	91
2	Octane	114	C8H18	000111-65-9	64
3	Octane, 4-methyl-	128	C9H20	002216-34-4	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
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Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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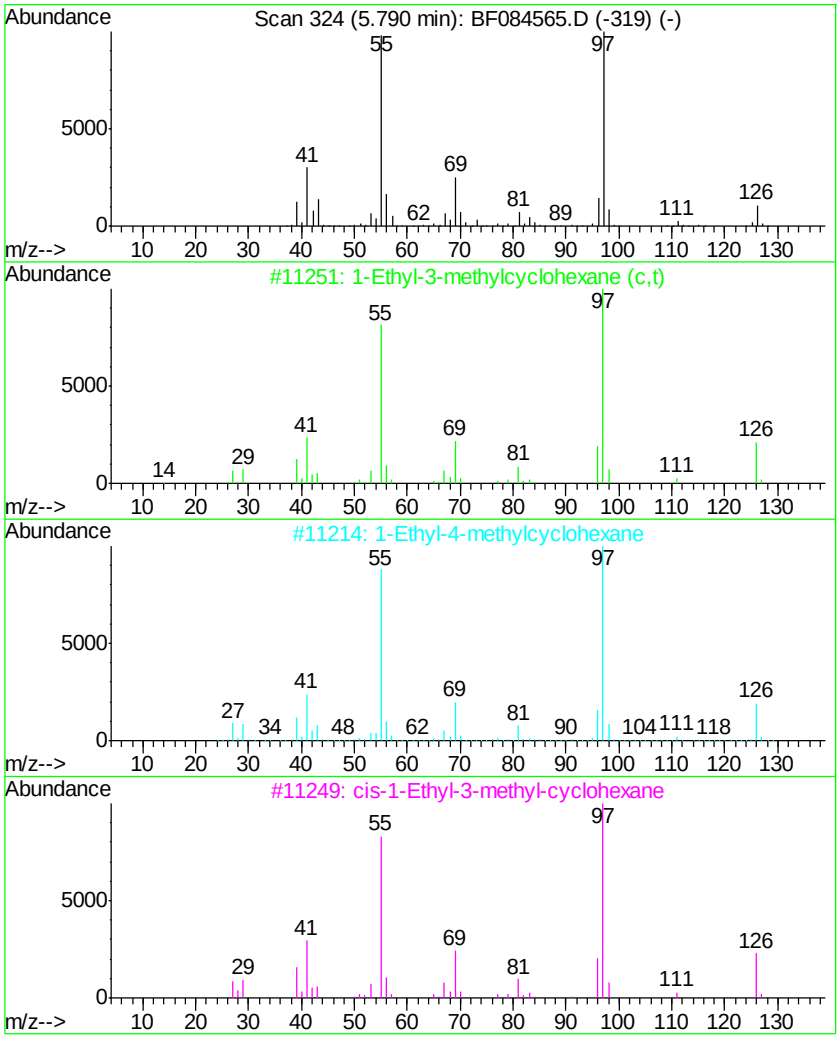
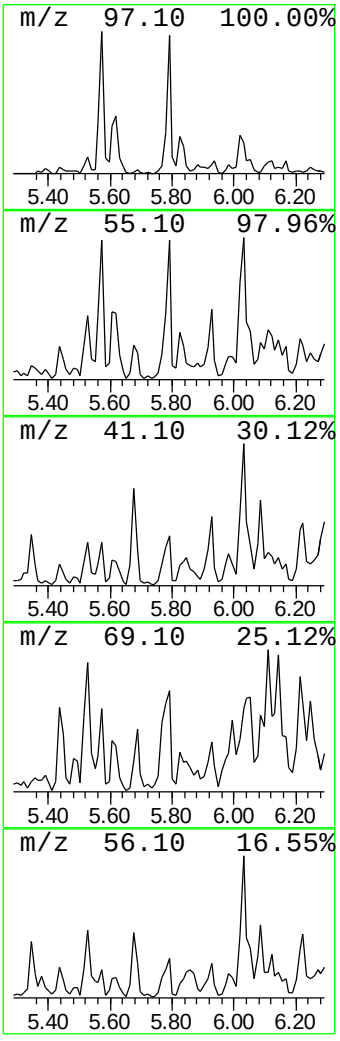
Peak Number 4 1-Ethyl-3-methylcyclohexane... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	74.99 ng	6270010	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
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Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

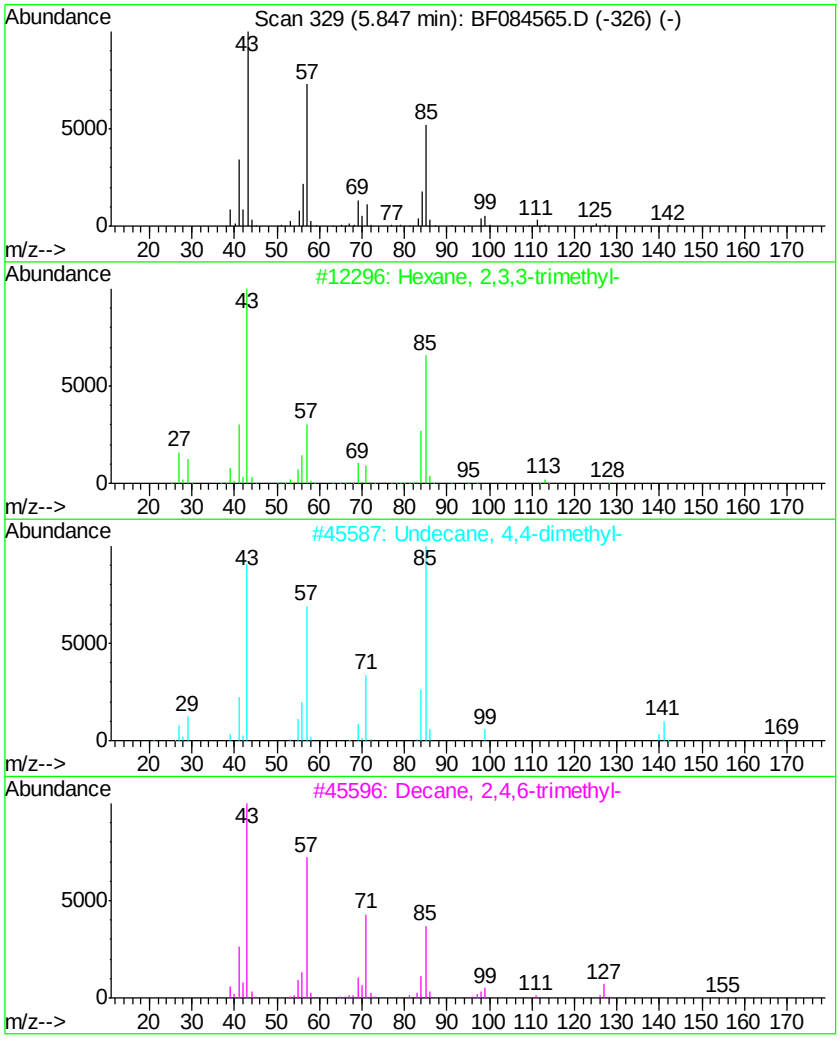
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

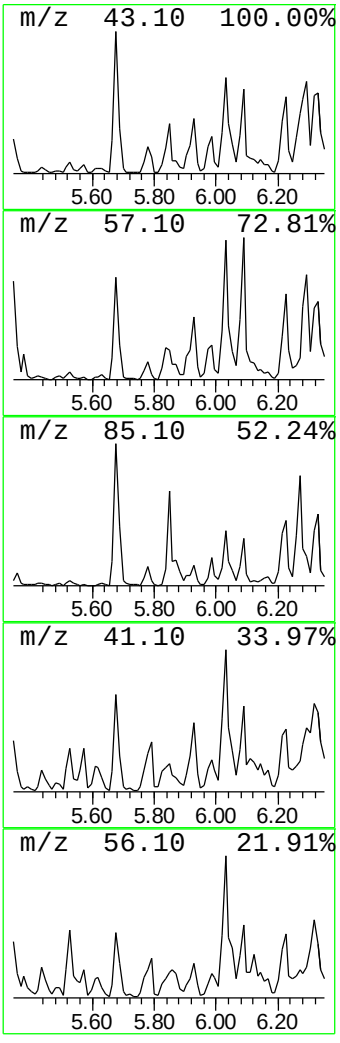
****

Peak Number 5 Hexane, 2,3,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	54.78 ng	4579990	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	80
2	Undecane, 4,4-dimethyl-	184	C13H28	017312-68-4	72
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
4	6,6,7-Trimethyl-octane-2,5-dione	184	C11H20O2	1000187-31-5	64
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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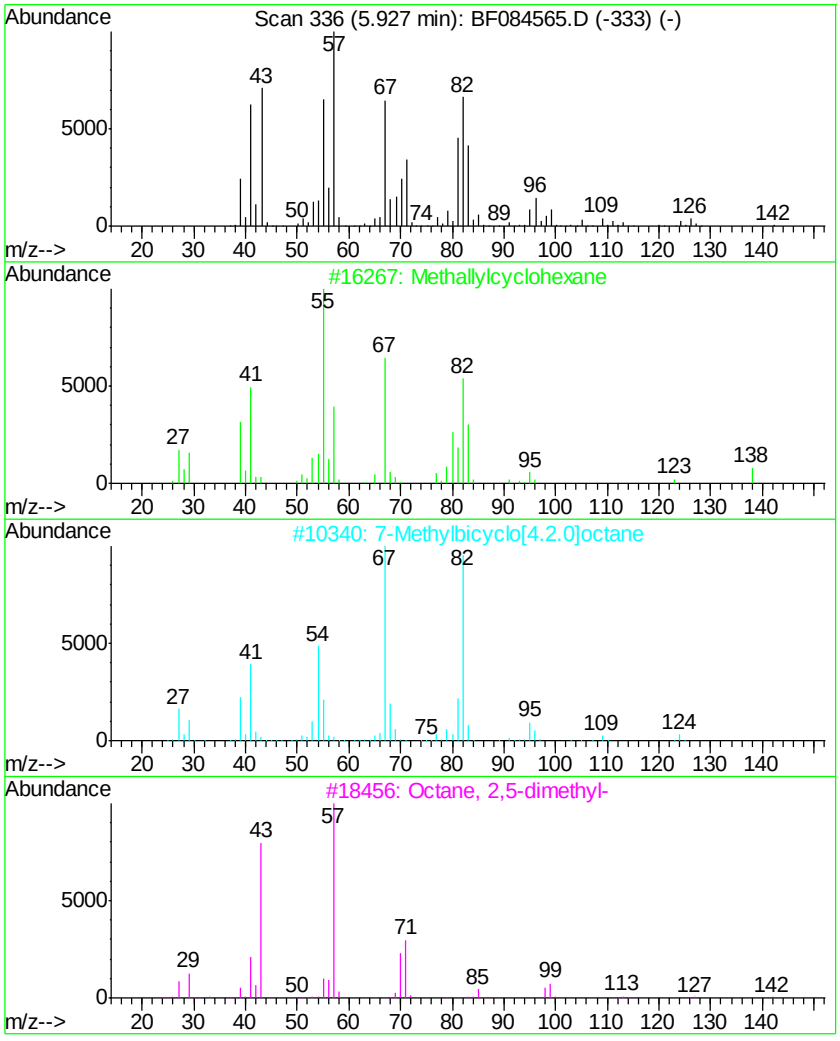
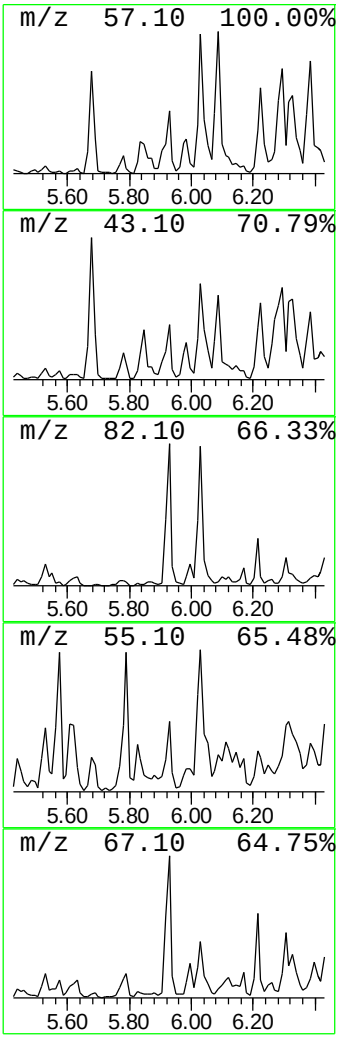
Peak Number 6 unknown5.93 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	83.20 ng	6956650	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methallylcyclohexane	138	C10H18	003990-93-0	38
2	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	38
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	35
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	25
5	4-Penten-1-ol, 3-methyl-	100	C6H12O	051174-44-8	22





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Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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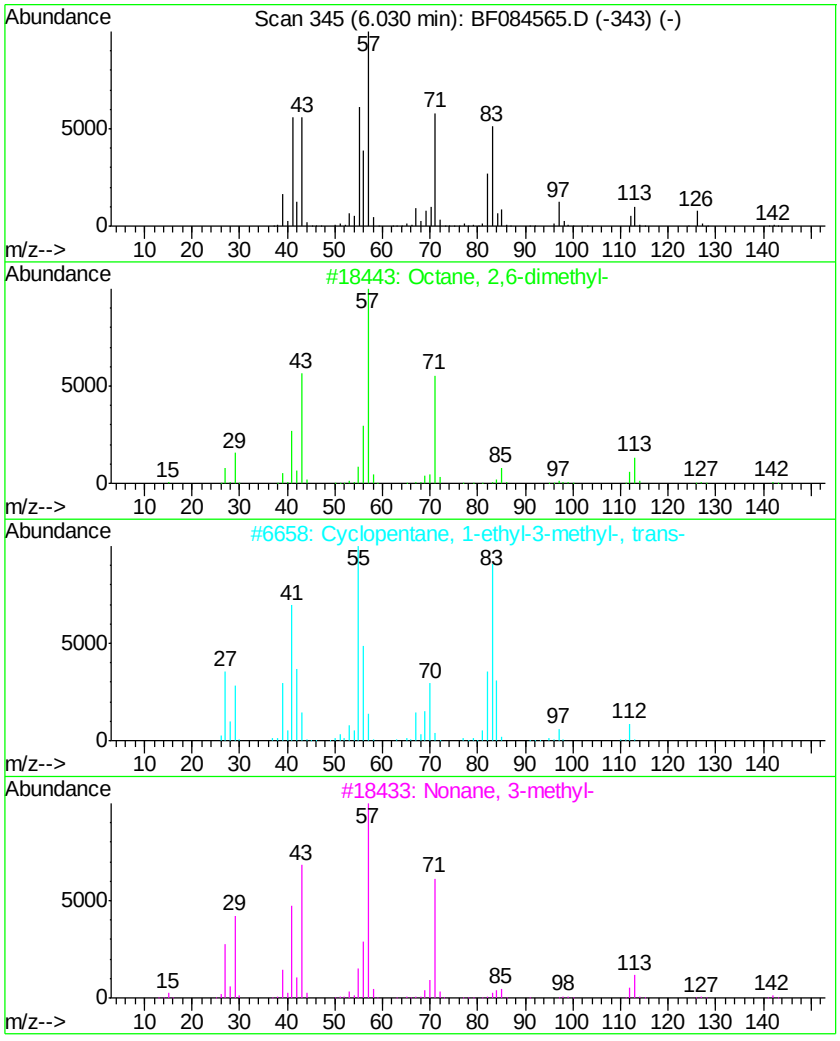
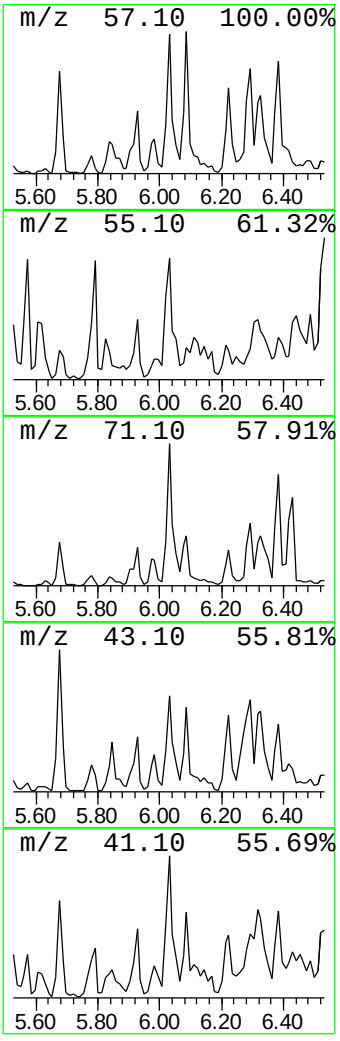
Peak Number 7 unknown6.03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	143.51 ng	11999000	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	46
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	38
4	Oxirane, (3-methylbutyl)-	114	C7H14O	053229-41-7	35
5	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	30





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : A5-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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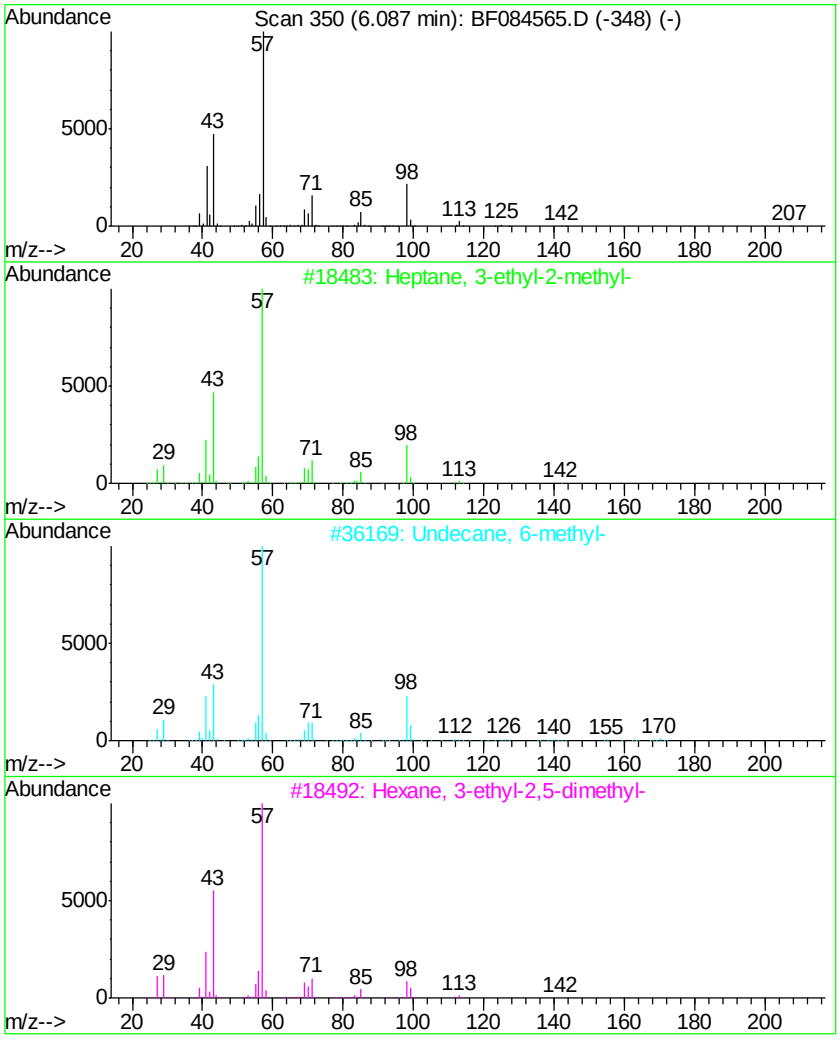
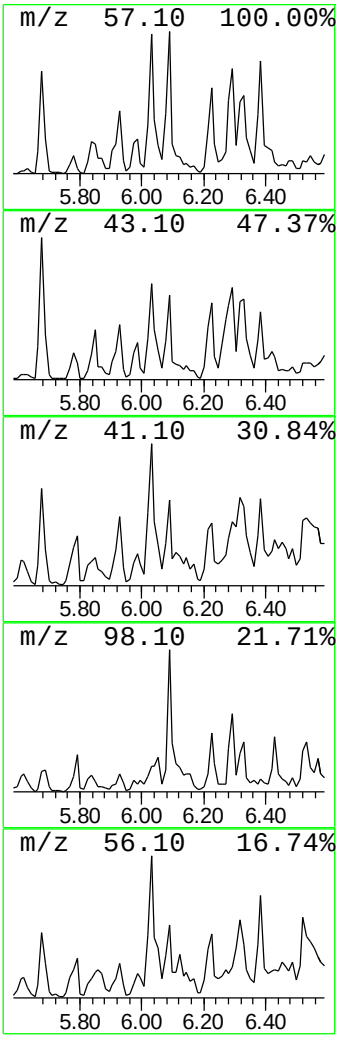
Peak Number 8 Heptane, 3-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.09	54.07 ng	4521310	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	62
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
5	Octane, 3-methyl-	128	C9H20	002216-33-3	53





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ClientSampleId : A5-4

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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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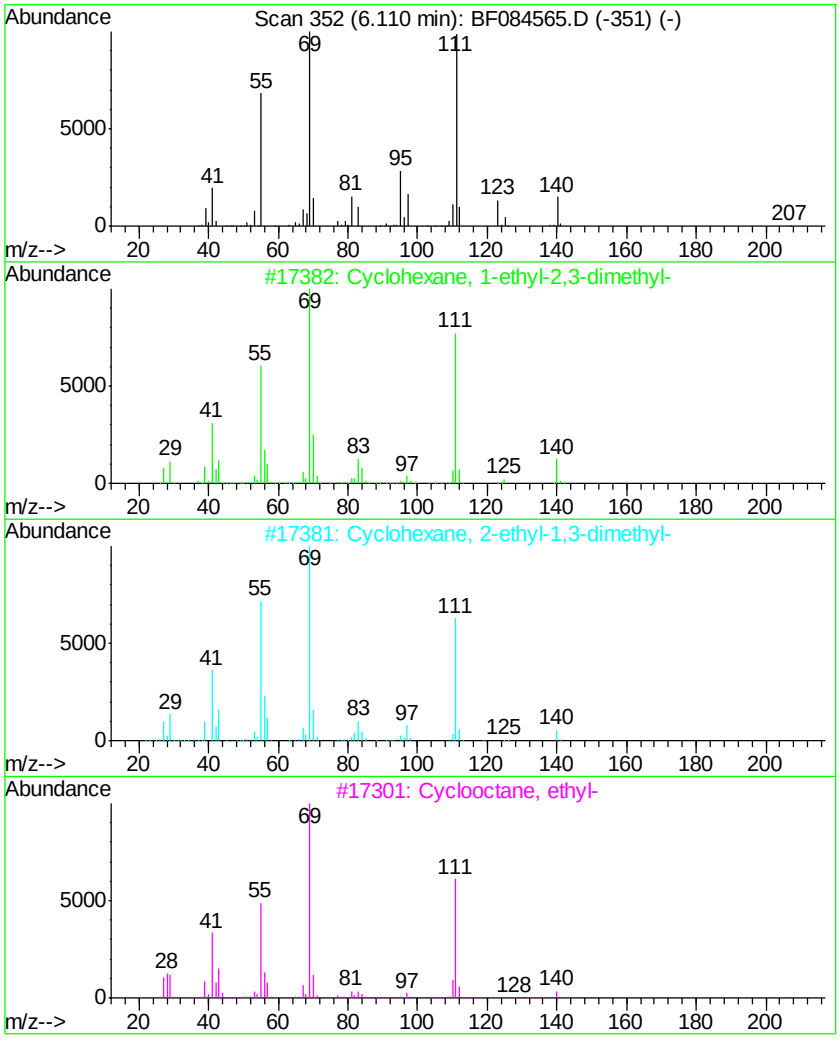
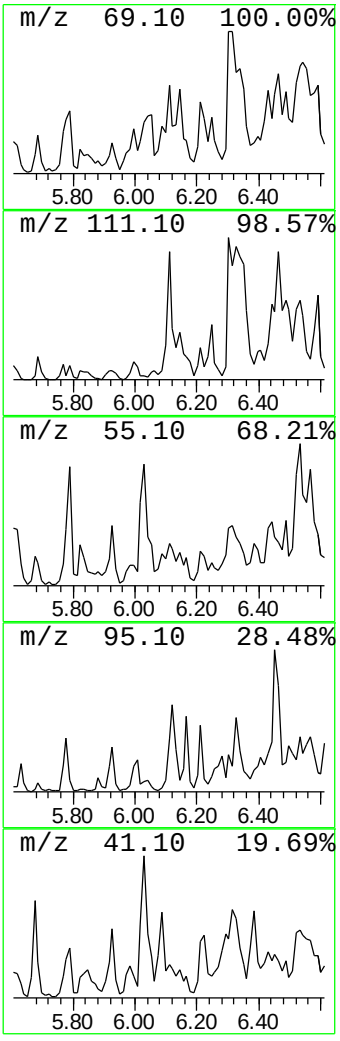
Peak Number 9 Cyclohexane, 1-ethyl-2,3-di... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	84.50 ng	7065320	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	72
2	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	64
3	Cyclooctane, ethyl-	140	C10H20	013152-02-8	59
4	2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	59
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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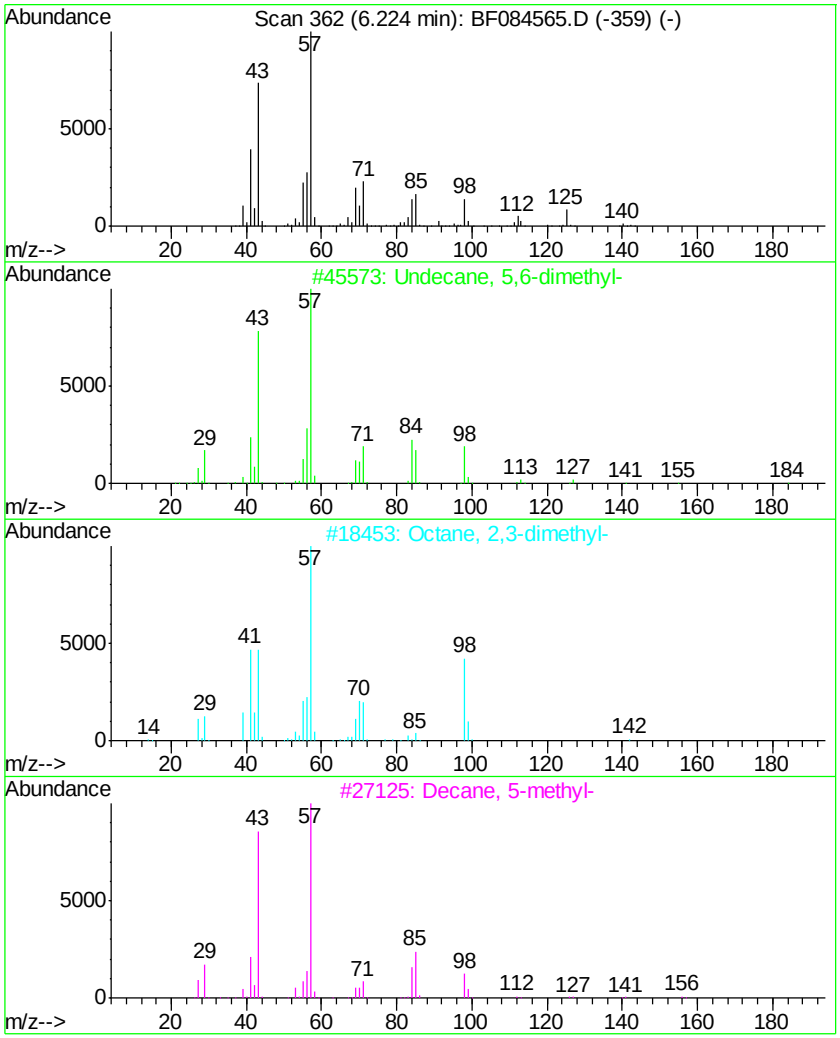
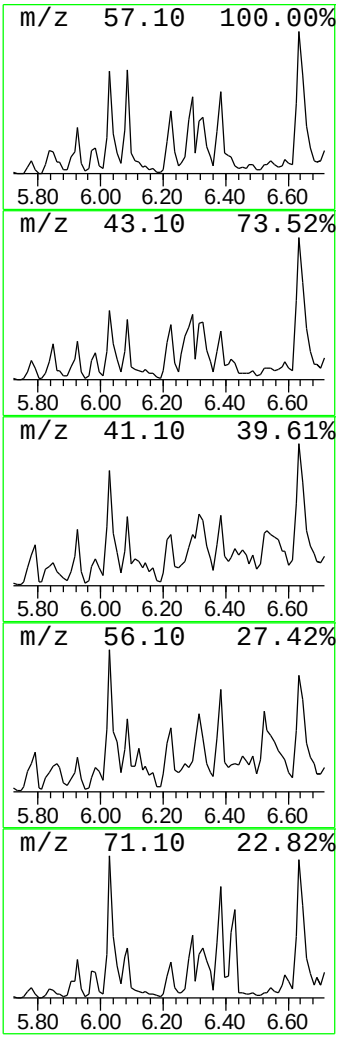
Peak Number 10 Undecane, 5,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	99.61 ng	8328510	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	72
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3	Decane, 5-methyl-	156	C11H24	013151-35-4	53
4	Decane	142	C10H22	000124-18-5	50
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId : A5-4

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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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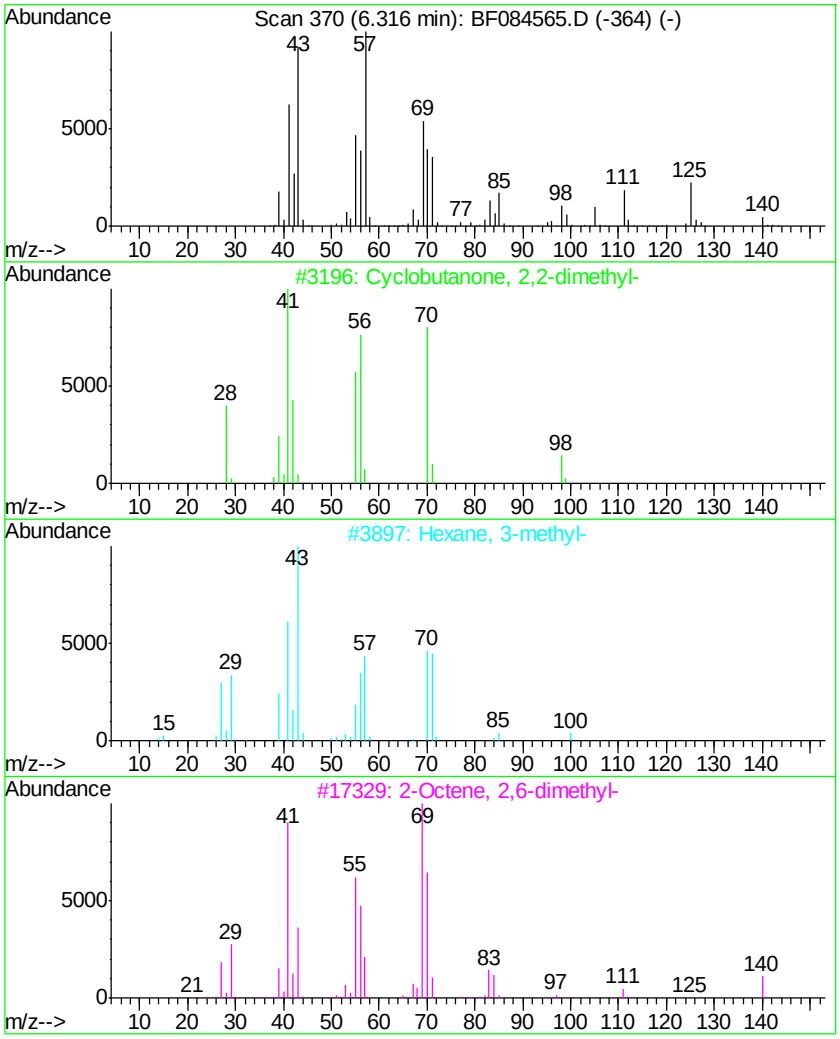
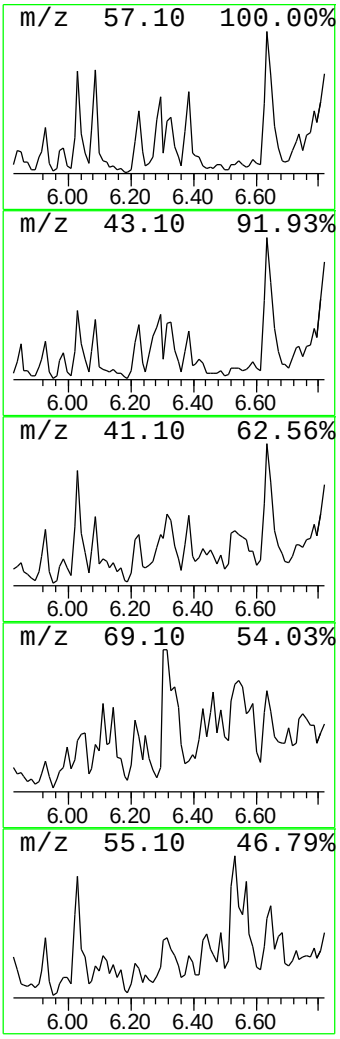
Peak Number 11 unknown6.32 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	187.46 ng	15674100	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	49
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	47
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	45
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5	1-Octene	112	C8H16	000111-66-0	43





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ALS Vial : 4 Sample Multiplier: 1

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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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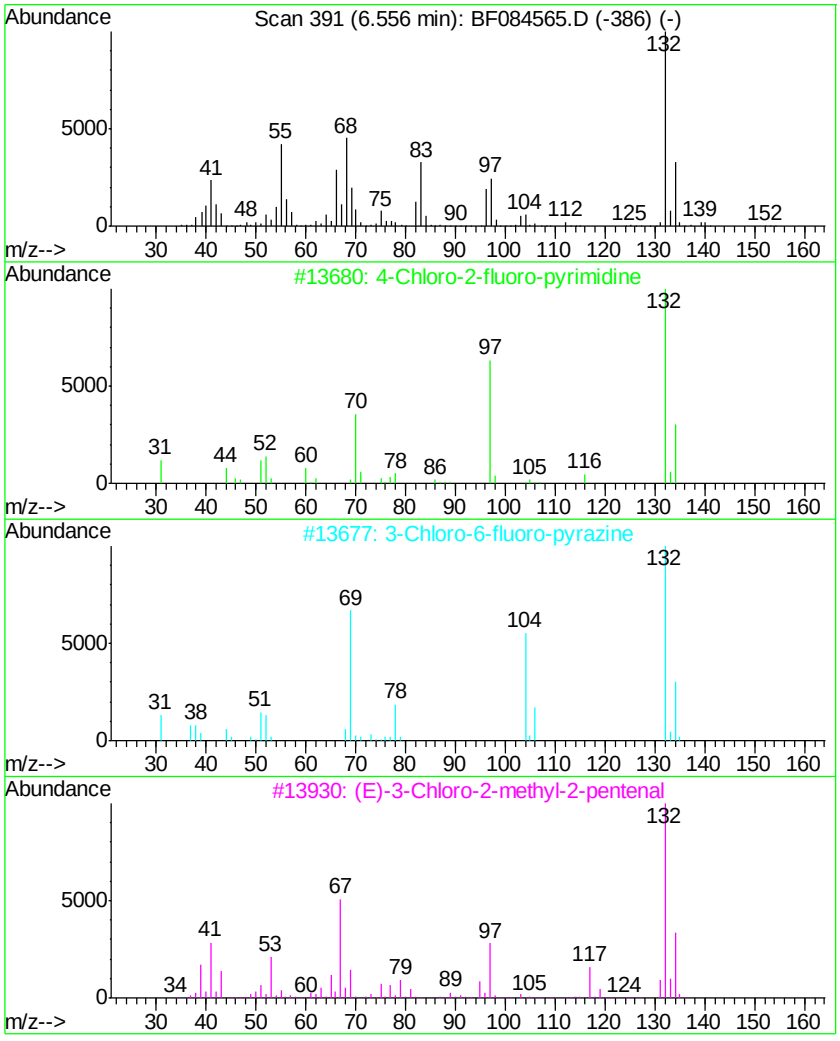
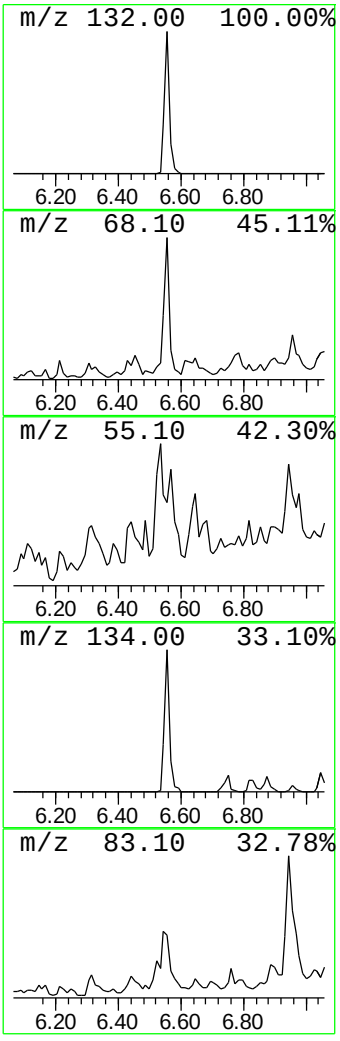
Peak Number 12 unknown6.56 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	196.98 ng	16470300	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10





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Misc :
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Instrument : BNA_F
ClientSampleId : A5-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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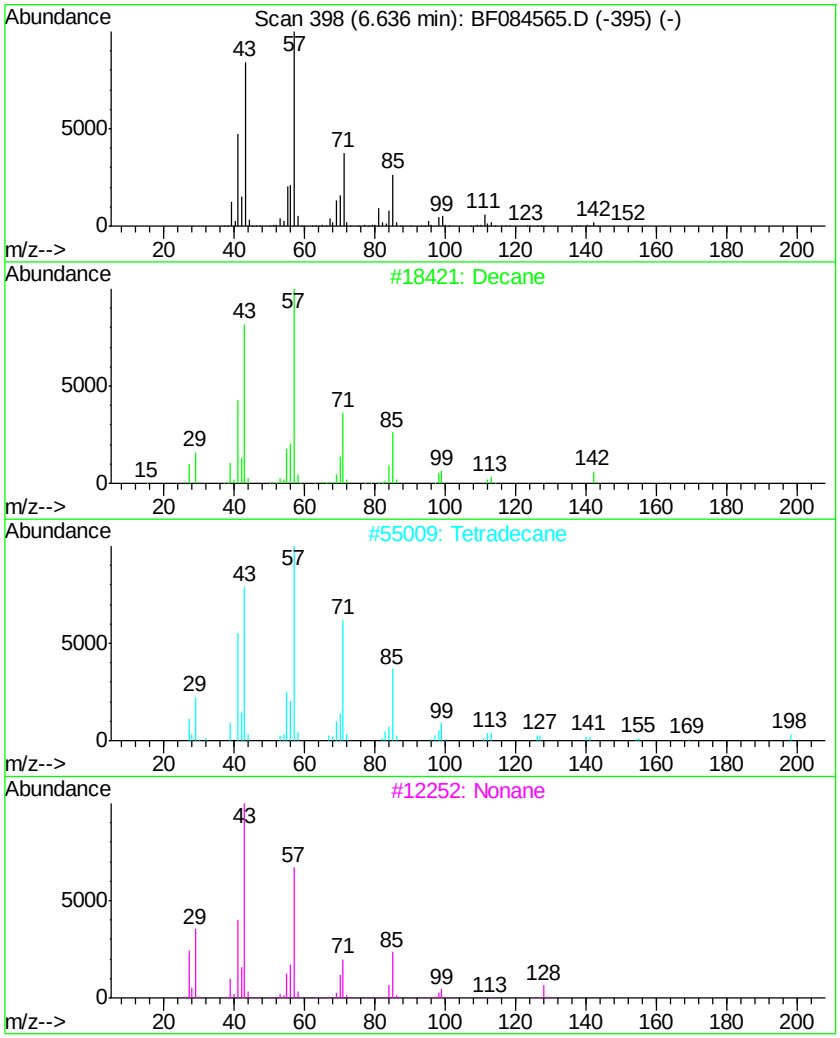
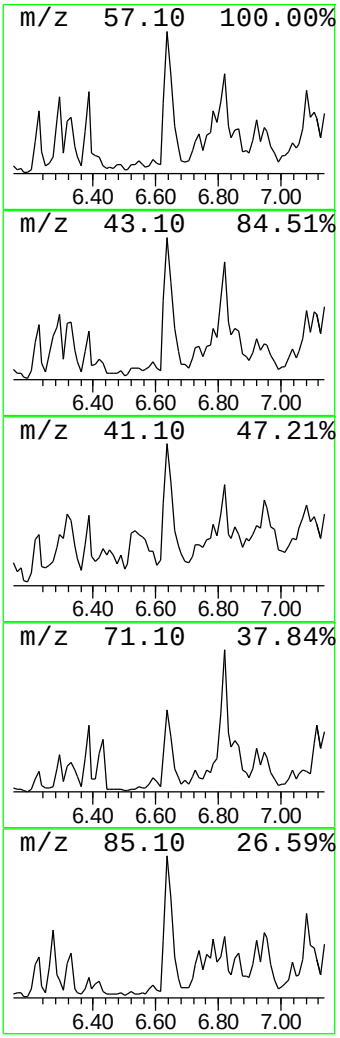
Peak Number 13 Decane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	226.77 ng	18961100	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Tetradecane	198	C14H30	000629-59-4	80
3	Nonane	128	C9H20	000111-84-2	80
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64





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Sample : H1178-02
Misc :
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Instrument : BNA_F
ClientSampleId : A5-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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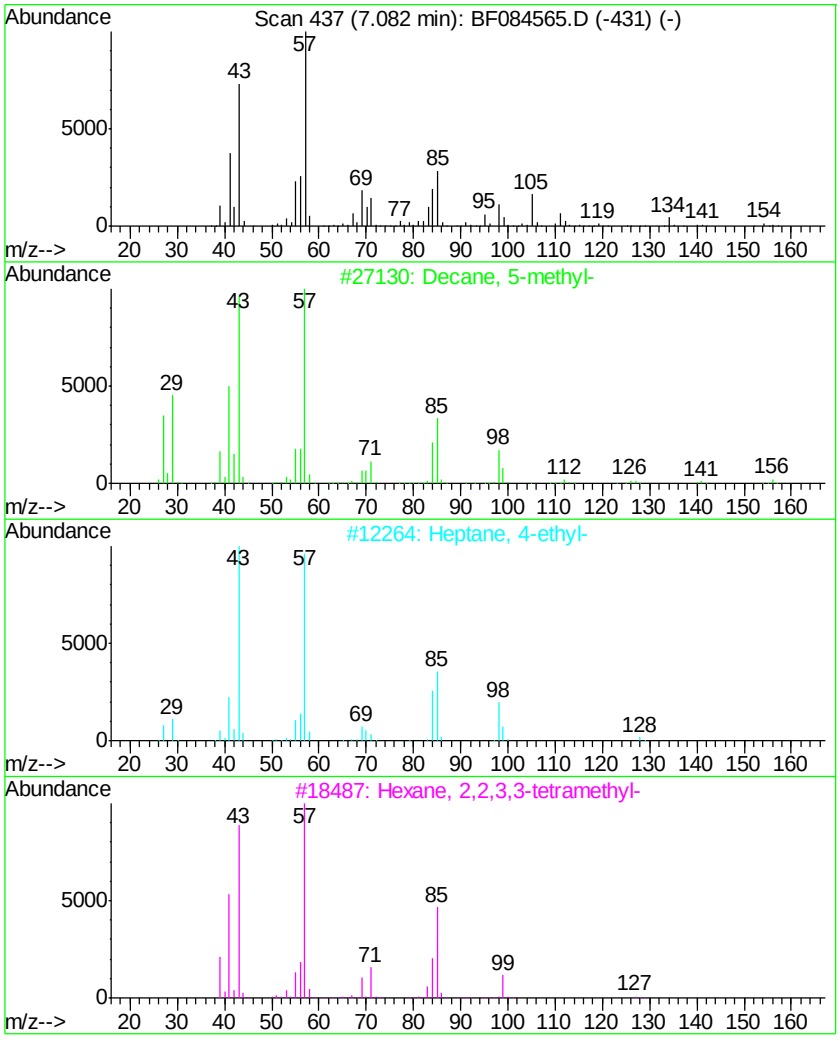
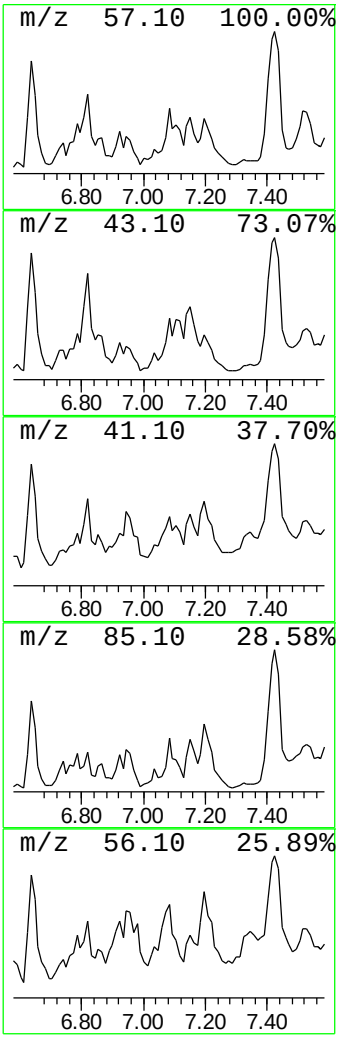
Peak Number 15 Decane, 5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	157.56 ng	13174000	1,4-Dichlorobenzene-d4	6.78

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	53
3	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	47
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	43
5	4,4-Dimethylcyclooctene	138	C10H18	1000113-56-7	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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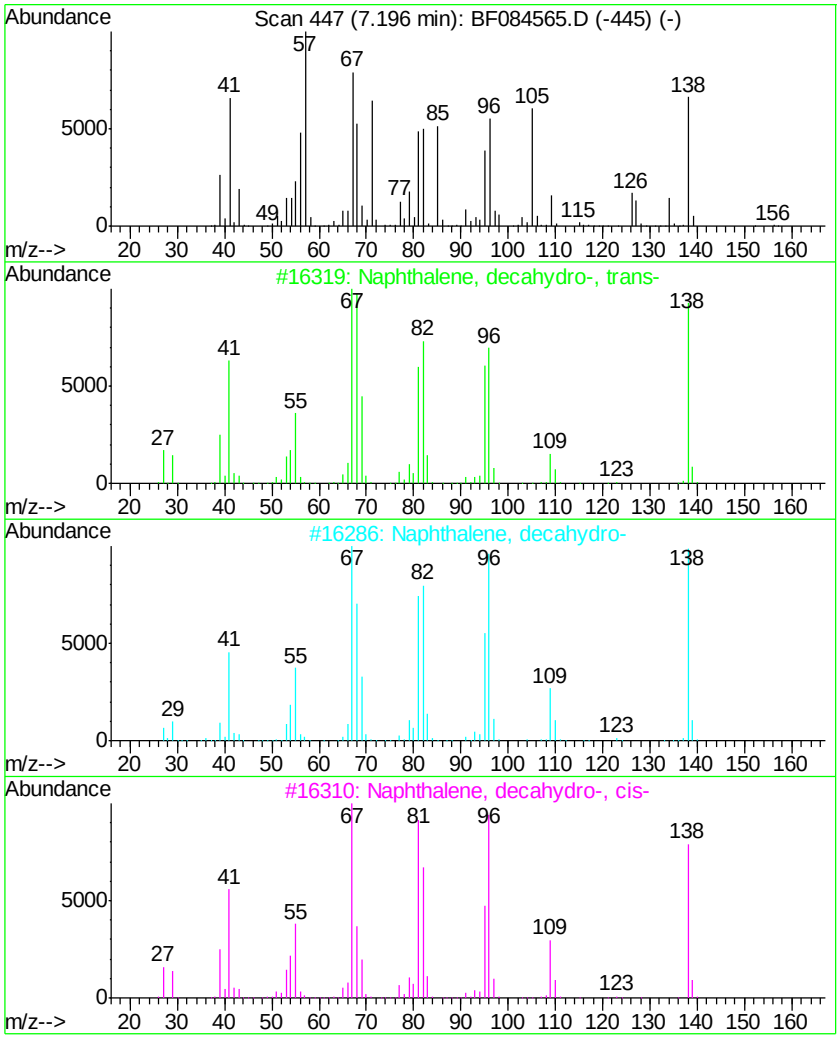
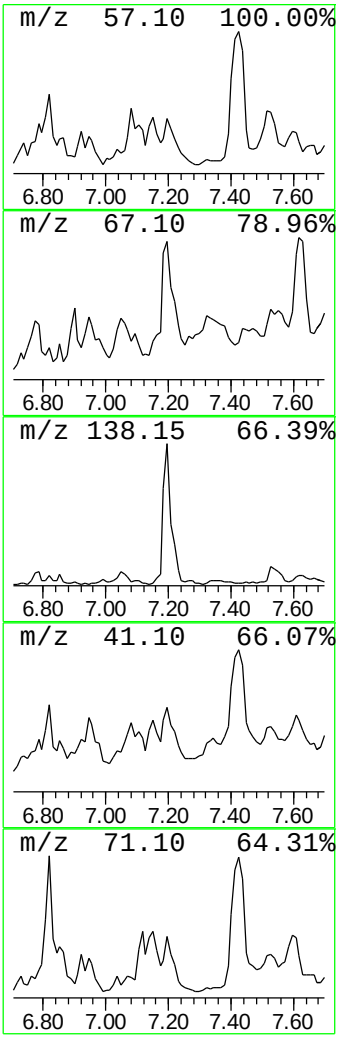
Peak Number 16 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	164.11 ng	13722100	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	64
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	55
4	Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	46
5	Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	45





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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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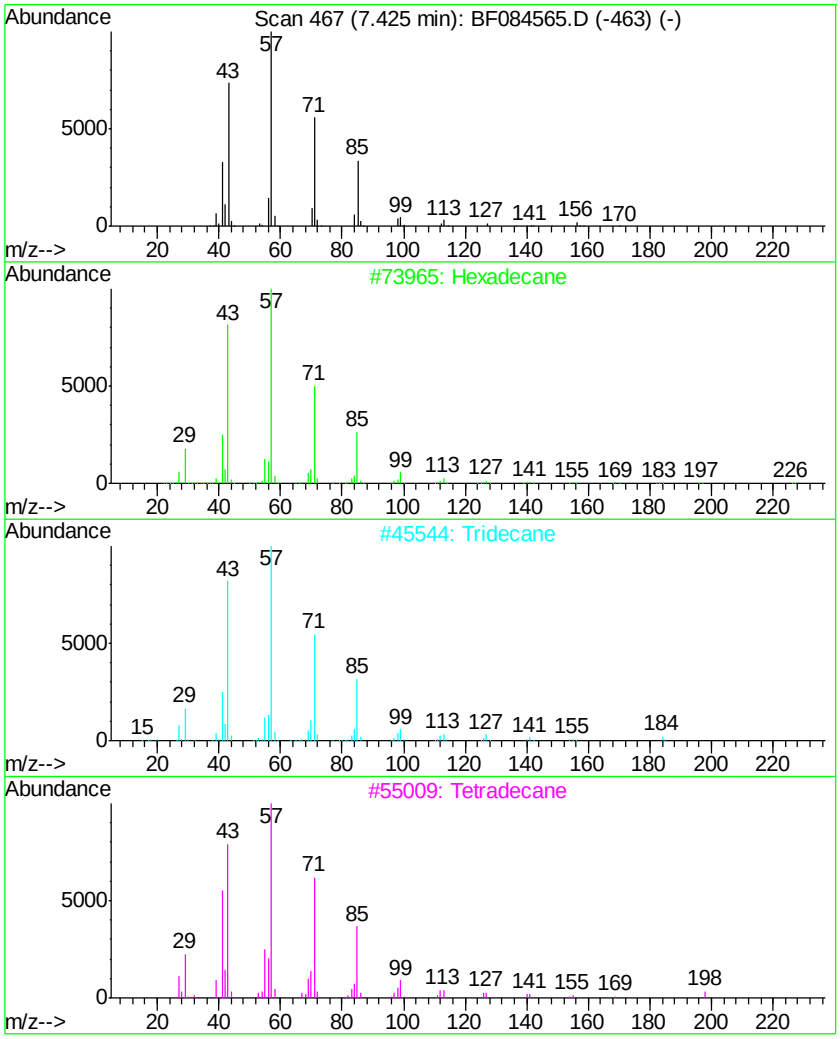
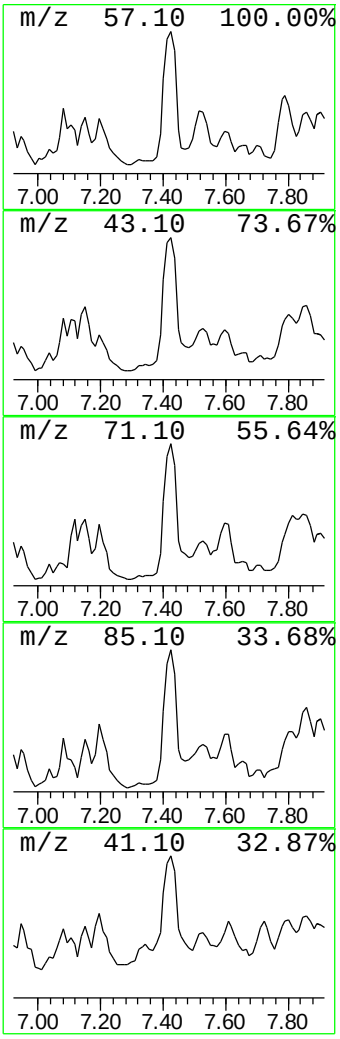
Peak Number 17 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	291.33 ng	24358800	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane	184	C13H28	000629-50-5	83
3	Tetradecane	198	C14H30	000629-59-4	83
4	Undecane	156	C11H24	001120-21-4	76
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59





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ClientSampleId : A5-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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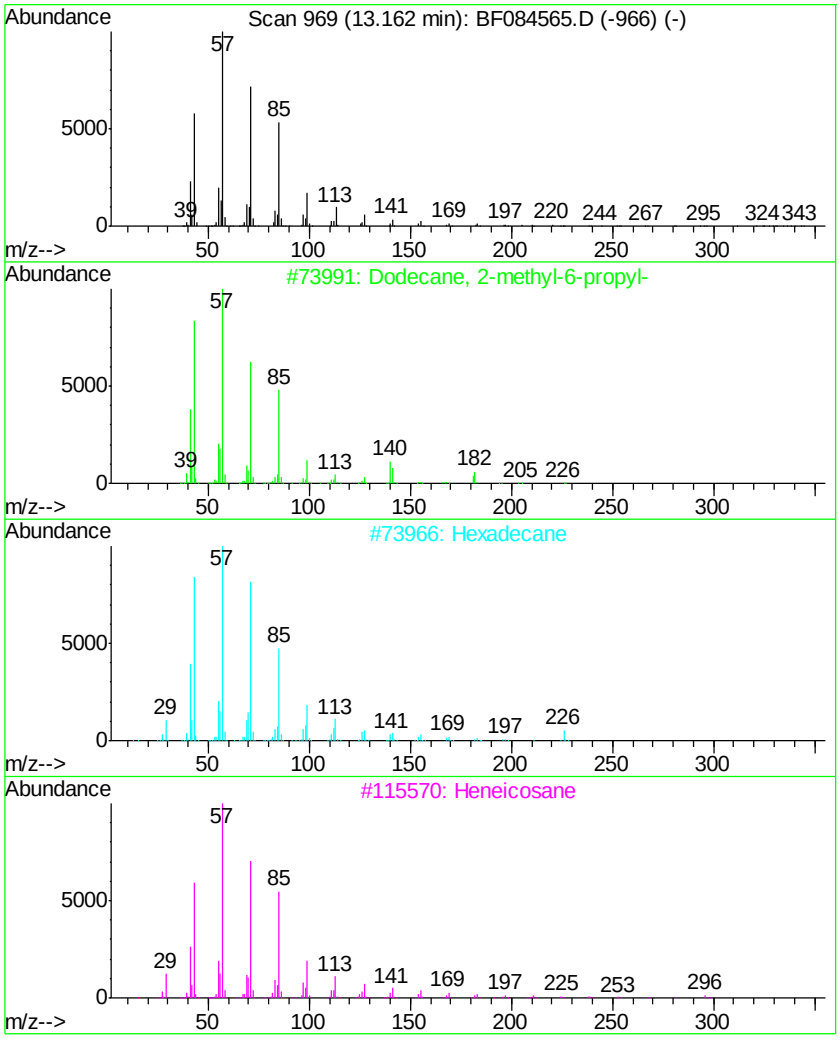
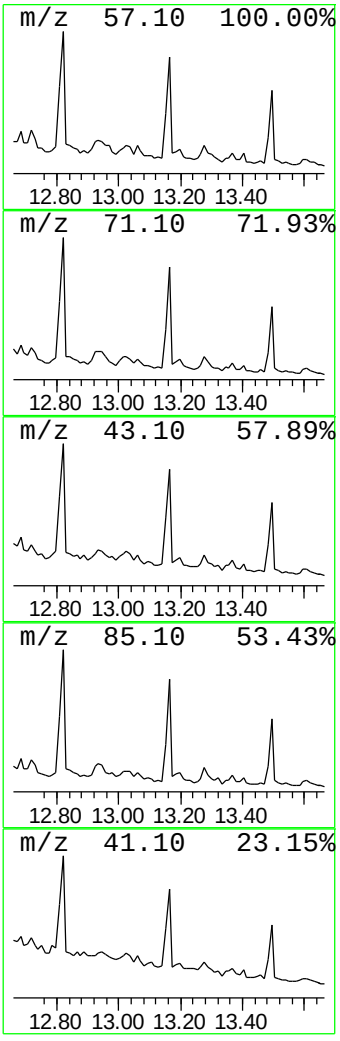
Peak Number 18 Dodecane, 2-methyl-6-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	100.85 ng	6783410	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5	Heptacosane	380	C27H56	000593-49-7	87





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

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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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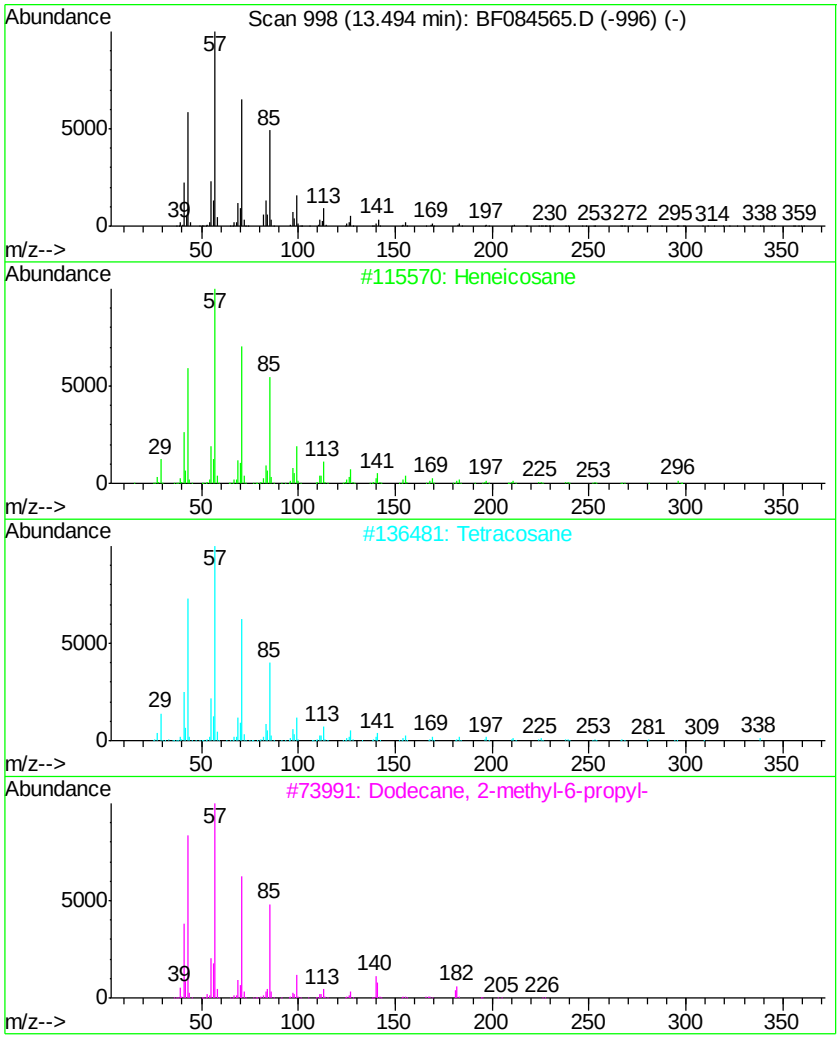
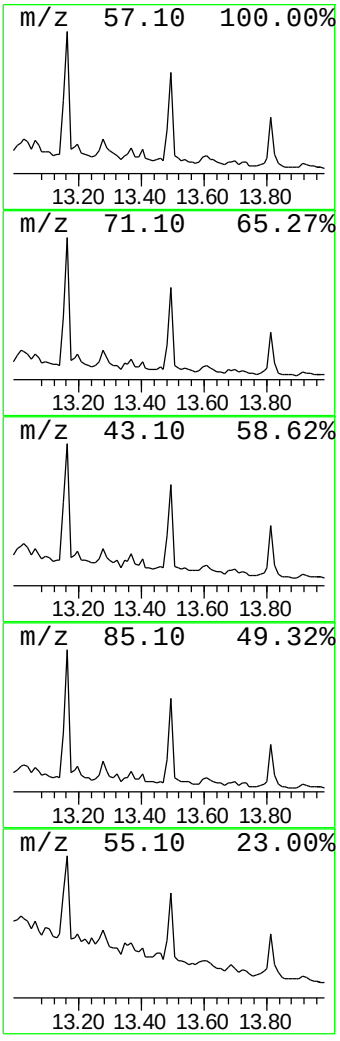
Peak Number 19 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	64.93 ng	4367340	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetracosane	338	C24H50	000646-31-1	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	86
5	Heptacosane	380	C27H56	000593-49-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012016\
Data File : BF084565.D
Acq On : 20 Jan 2016 12:50
Operator : SJ/UM
Sample : H1178-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A5-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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
Cyclohexane, 1,1,...	4.93	69.3	ng	5791550	1	6.78	1672280	20.0
Cyclohexane, 1-et...	5.61	50.0	ng	4180470	1	6.78	1672280	20.0
Nonane	5.68	74.3	ng	6215650	1	6.78	1672280	20.0
1-Ethyl-3-methylc...	5.79	75.0	ng	6270010	1	6.78	1672280	20.0
Hexane, 2,3,3-tri...	5.85	54.8	ng	4579990	1	6.78	1672280	20.0
unknown5.93	5.93	83.2	ng	6956650	1	6.78	1672280	20.0
unknown6.03	6.03	143.5	ng	11999000	1	6.78	1672280	20.0
Heptane, 3-ethyl-...	6.09	54.1	ng	4521310	1	6.78	1672280	20.0
Cyclohexane, 1-et...	6.11	84.5	ng	7065320	1	6.78	1672280	20.0
Undecane, 5,6-dim...	6.22	99.6	ng	8328510	1	6.78	1672280	20.0
unknown6.32	6.32	187.5	ng	15674100	1	6.78	1672280	20.0
unknown6.56	6.56	197.0	ng	16470300	1	6.78	1672280	20.0
Decane	6.64	226.8	ng	18961100	1	6.78	1672280	20.0
Decane, 5-methyl-	7.08	157.6	ng	13174000	1	6.78	1672280	20.0
Naphthalene, deca...	7.20	164.1	ng	13722100	1	6.78	1672280	20.0
Hexadecane	7.42	291.3	ng	24358800	1	6.78	1672280	20.0
Dodecane, 2-methy...	13.16	100.8	ng	6783410	5	13.96	1345310	20.0
Heneicosane	13.49	64.9	ng	4367340	5	13.96	1345310	20.0