LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

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-BF021316.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	1.724	10	12	24	rVB	1393426	3315548	14.46%	0.859%
2	2.204	49	54	56	rBV	328763	670069	2.92%	0.174%
3	2.272	56	60	62	rVB2	255731	583689	2.55%	0.151%
4	2.410	67	72	74	rBV3	229717	445657	1.94%	0.116%
5	2.501	76	80	82	rBV	376630	605080	2.64%	0.157%
6	2.707	95	98	101	rVB2	1122032	2099089	9.16%	0.544%
7	2.798	103	106	109	rVB	1629692	2354136	10.27%	0.610%
8	2.913	112	116	118	rBV	928132	1512715	6.60%	0.392%
9	2.947	118	119	122	rVB	530893	541925	2.36%	0.140%
10	3.027	122	126	127	rBV	501009	1041557	4.54%	0.270%
11	3.061	127	129	132	rVB2	464938	867604	3.79%	0.225%
12	3.153	135	137	143	rVB2	1155906	2756943	12.03%	0.715%
13	3.255	143	146	149	rBV3	1219015	2004969	8.75%	0.520%
14	3.324	151	152	155	rVB	344303	399006	1.74%	0.103%
15	3.381	155	157	158	rBV	386586	529186	2.31%	0.137%
16	3.415	158	160	162	rVB2	601635	867581	3.78%	0.225%
17	3.473	162	165	166	rBV2	315048	658095	2.87%	0.171%
18	3.518	166	169	171	rBV2	995290	1600512	6.98%	0.415%
19	3.564	171	173	174	rBV	432818	578068	2.52%	0.150%
20	3.598	174	176	181	rVB2	1935823	4428981	19.32%	1.148%
21	3.678	181	183	185	rBV	1397662	2361579	10.30%	0.612%
22	3.793	190	193	198	rVB4	990514	2927471	12.77%	0.759%
23	3.884	198	201	202	rBV2	1625228	3083609	13.45%	0.799%
24	3.918	202	204	206	rVB3	1246587	2214433	9.66%	0.574%
25	3.976	206	209	210	rBV2	2336475	3976372	17.35%	1.031%
26	4.090	216	219	222	rVB	4192547	6526878	28.47%	1.692%
27	4.136	222	223	226	rBV3	961211	1918734	8.37%	0.497%
28	4.181	226	227	233	rVB3	949067	2185730	9.54%	0.566%
29	4.284	233	236	239	rBV2	1366440	3108938	13.56%	0.806%
30	4.330	239	240	242	rVB	946968	784434	3.42%	0.203%
31	4.376	242	244	247	rBV2	1347940	3187112	13.90%	0.826%
32	4.444	247	250	254	rVB	3137496	4878055	21.28%	1.264%
33	4.524	254	257	258	rBV3	316560	617366	2.69%	0.160%
34	4.570	258	261	264	rVB3	972884	2260026	9.86%	0.586%

LSC Area Percent Report

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Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

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-BF021316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	4.638	264	267	268	rBV2	912088	1865743	8.14%	0.484%
36	4.730	272	275	279	rBV2	1796646	3971875	17.33%	1.029%
37	4.798	279	281	284	rVB3	833147	1435908	6.26%	0.372%
38	4.867	284	287	290	rBV	2714725	5345380	23.32%	1.385%
39	4.924	290	292	296	rVB2	763654	1246623	5.44%	0.323%
40	5.038	300	302	305	rVB2	346006	583416	2.55%	0.151%
41	5.118	305	309	310	rBV3	1577798	3882718	16.94%	1.006%
42	5.233	313	319	322	rVV5	3177268	12054925	52.59%	3.124%
43	5.336	325	328	334	rVB2	3567964	8278907	36.12%	2.146%
44	5.450	334	338	342	rBV3	2719288	6567210	28.65%	1.702%
45	5.576	346	349	352	rBV3	1074029	2437416	10.63%	0.632%
46	5.656	352	356	366	rVB2	8136485	22921748	100.00%	5.941%
47	5.816	366	370	372	rBV4	885022	2606240	11.37%	0.675%
48	5.884	373	376	377	rBV	431208	624438	2.72%	0.162%
49	5.930	377	380	381	rBV2	1404308	2220416	9.69%	0.575%
50	5.964	381	383	388	rVB2	2087009	3666018	15.99%	0.950%
51	6.101	390	395	402	rVB4	1962101	7800850	34.03%	2.022%
52	6.250	405	408	410	rBV3	1948989	4485177	19.57%	1.162%
53	6.296	410	412	415	rVV2	3322009	7732859	33.74%	2.004%
54	6.364	415	418	421	rVV	5985903	14284544	62.32%	3.702%
55	6.467	425	427	432	rVB2	2257490	5235806	22.84%	1.357%
56	6.581	432	437	439	rBV2	3111298	8172259	35.65%	2.118%
57	6.696	443	447	449	rVV	5724935	13803762	60.22%	3.578%
58	6.810	453	457	459	rVV	3800094	7662693	33.43%	1.986%
59	6.856	459	461	463	rVB2	1530465	2268597	9.90%	0.588%
60	6.902	463	465	467	rBV	922661	1124039	4.90%	0.291%
61	7.039	474	477	479	rBV	3150709	7464663	32.57%	1.935%
62	7.084	479	481	484	rVB	5269549	7826437	34.14%	2.028%
63	7.233	490	494	495	rBV2	2148780	4199688	18.32%	1.088%
64	7.267	495	497	498	rVV	2388284	3974131	17.34%	1.030%
65	7.313	498	501	504	rVV	4386428	9311521	40.62%	2.413%
66	7.416	504	510	513	rVV3	5855941	17543422	76.54%	4.547%
67	7.484	513	516	518	rVV3	4162877	7946596	34.67%	2.060%
68	7.553	518	522	526	rVB4	3090898	7283003	31.77%	1.888%
69	7.633	526	529	535	rVB	1927594	3873296	16.90%	1.004%
70	7.804	537	544	546	rBV2	3890446	14326616	62.50%	3.713%
71	7.862	546	549	555	rVV5	5901473	17518714	76.43%	4.540%

LSC Area Percent Report

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Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

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-BF021316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	7.976	555	559	561	rVB	2506713	3994267	17.43%	1.035%
73	8.056	564	566	568	rVB3	686167	1146520	5.00%	0.297%
74	8.124	568	572	575	rBV3	1611966	3177975	13.86%	0.824%
75	8.250	579	583	585	rBV2	1705623	3122821	13.62%	0.809%
76	8.296	585	587	590	rBV3	689844	1362177	5.94%	0.353%
77	8.422	595	598	600	rVV2	2057339	4055663	17.69%	1.051%
78	8.479	600	603	605	rVV3	853661	2161129	9.43%	0.560%
79	8.547	606	609	612	rVV	2305038	4607116	20.10%	1.194%
80	8.605	612	614	617	rVV2	713788	1572139	6.86%	0.407%
81	8.673	617	620	624	rVV5	614941	1936888	8.45%	0.502%
82	8.742	624	626	627	rVV	319303	555999	2.43%	0.144%
83	8.822	630	633	639	rVV2	2245448	4400019	19.20%	1.140%
84	8.936	639	643	652	rVB	2235783	6296262	27.47%	1.632%
85	9.073	652	655	667	rVB	1194085	3935153	17.17%	1.020%
86	9.279	671	673	677	rVB3	188930	431292	1.88%	0.112%
87	9.530	691	695	710	rVB	1807410	4934166	21.53%	1.279%
88	9.736	710	713	717	rBV2	373552	789291	3.44%	0.205%
89	9.953	728	732	738	rBV	184045	635861	2.77%	0.165%
90	10.056	738	741	743	rBV	216174	457527	2.00%	0.119%
91	10.102	743	745	752	rVB2	210314	477215	2.08%	0.124%
92	10.250	752	758	764	rVB4	322204	1147551	5.01%	0.297%
93	10.593	784	788	804	rVB2	503783	1719995	7.50%	0.446%
94	11.885	897	901	914	rVV	938967	3157290	13.77%	0.818%
95	12.205	925	929	938	rBV	314881	851959	3.72%	0.221%
96	12.994	993	998	1008	rVV2	362732	1244423	5.43%	0.323%
97	15.622	1225	1228	1244	rVB	1796464	4054409	17.69%	1.051%
98	16.502	1302	1305	1315	rBV	144413	649975	2.84%	0.168%
99	17.177	1361	1364	1374	rVB	424802	890025	3.88%	0.231%
100	18.800	1503	1506	1512	rBV	324343	636601	2.78%	0.165%

Sum of corrected areas: 385840509

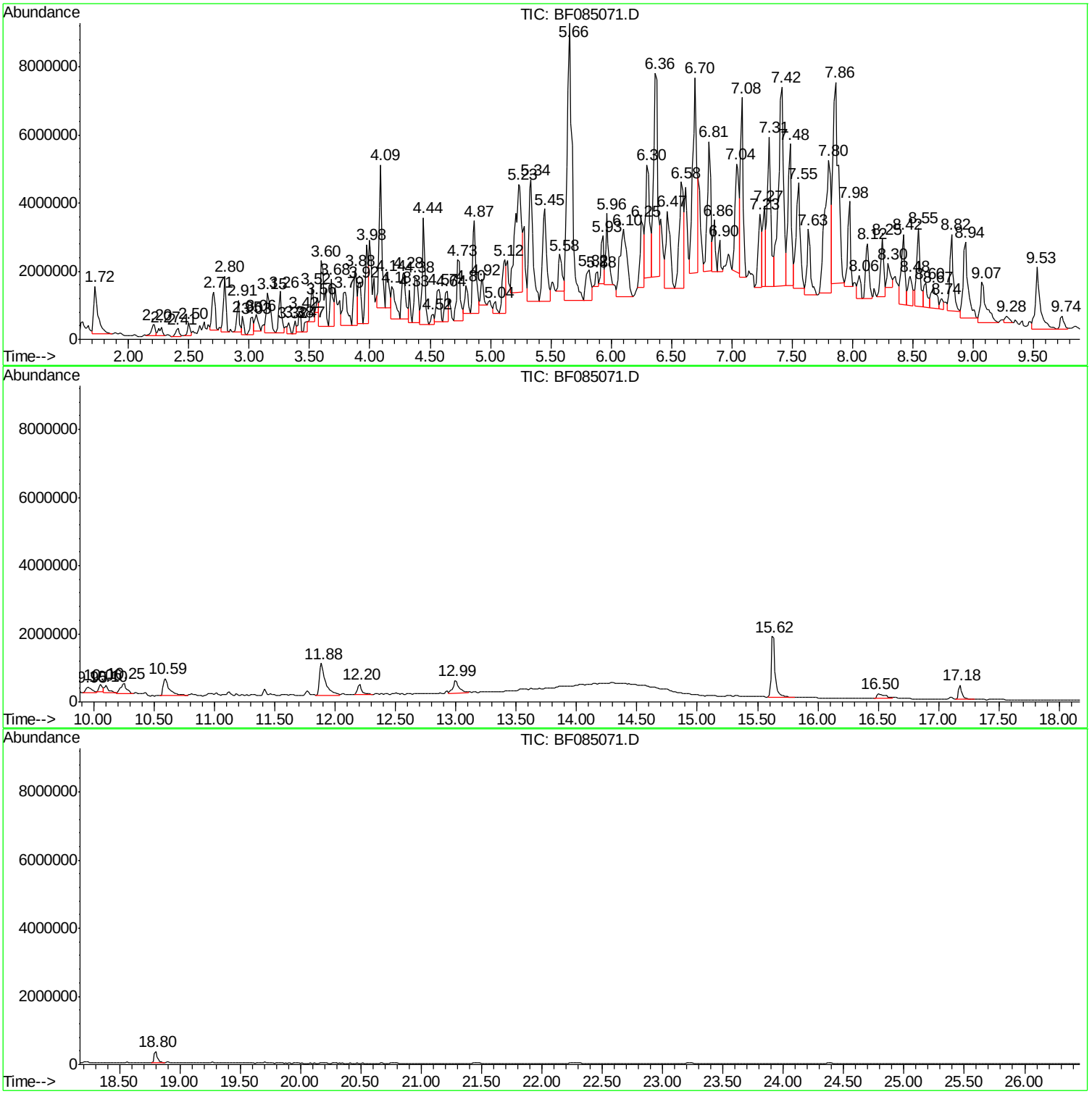
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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\BF021416\
Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

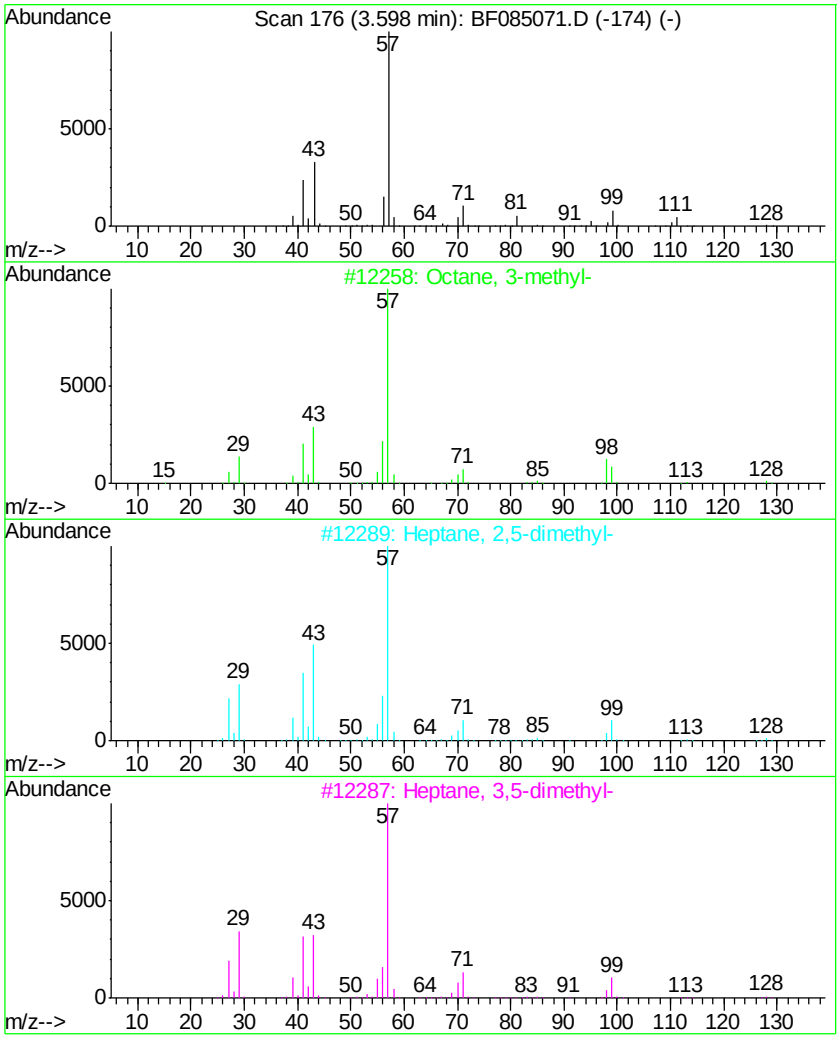
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

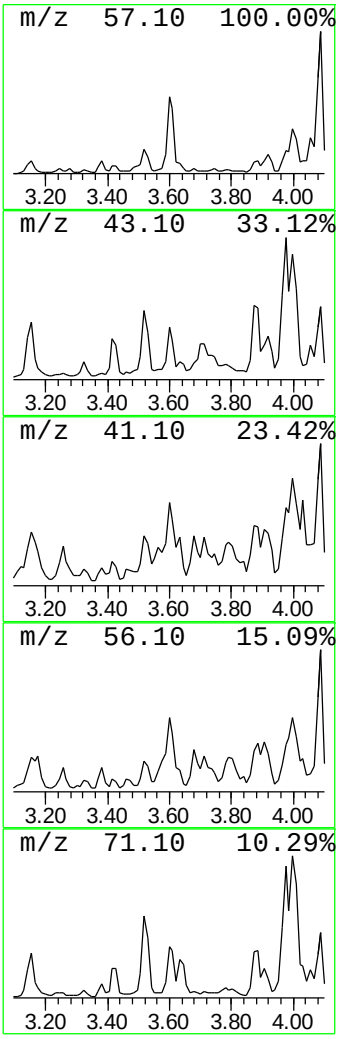
****

Peak Number 2 Octane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	141.86 ng	4428980	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	59
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	49
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	47
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	45
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

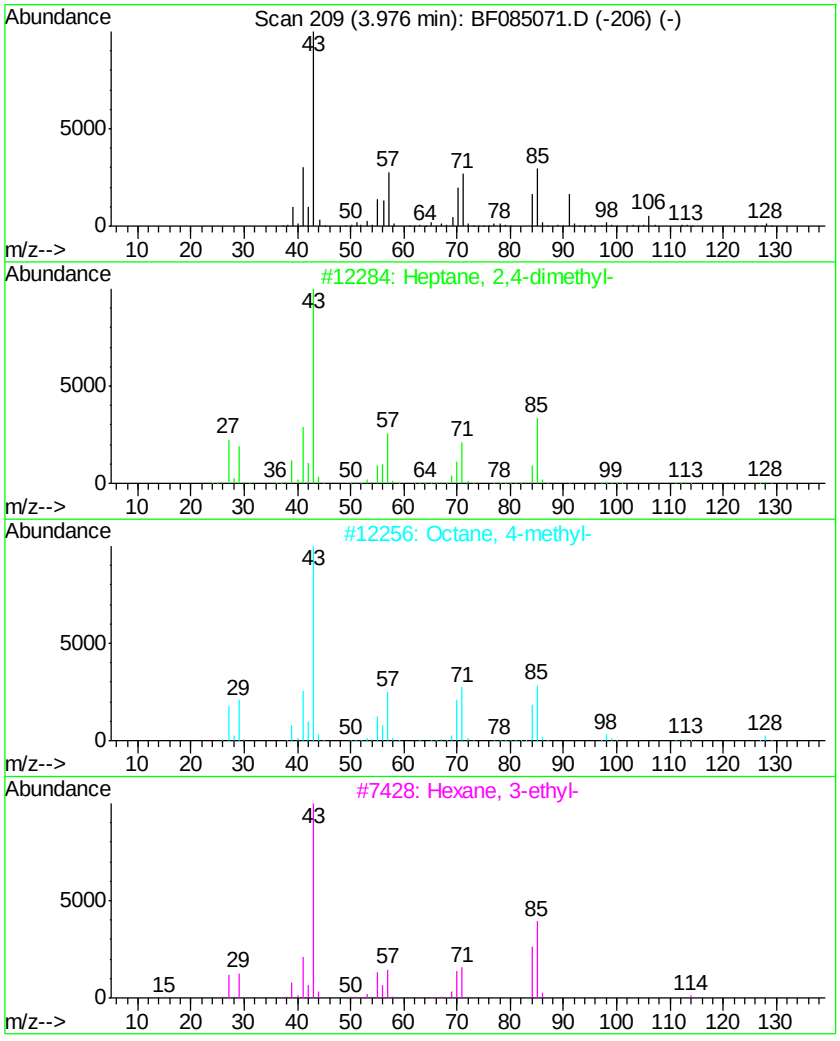
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

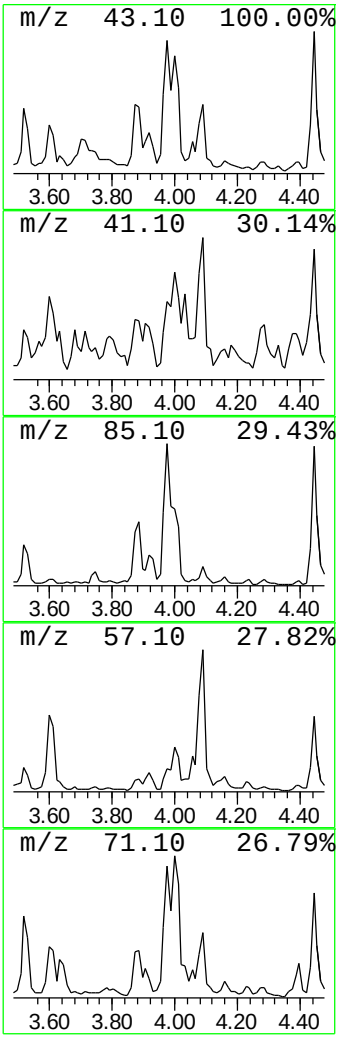
****

Peak Number 3 Heptane, 2,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	127.36 ng	3976370	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	81
2	Octane, 4-methyl-	128	C9H20	002216-34-4	72
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
5	Octane	114	C8H18	000111-65-9	59





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Sample : H1409-02
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Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

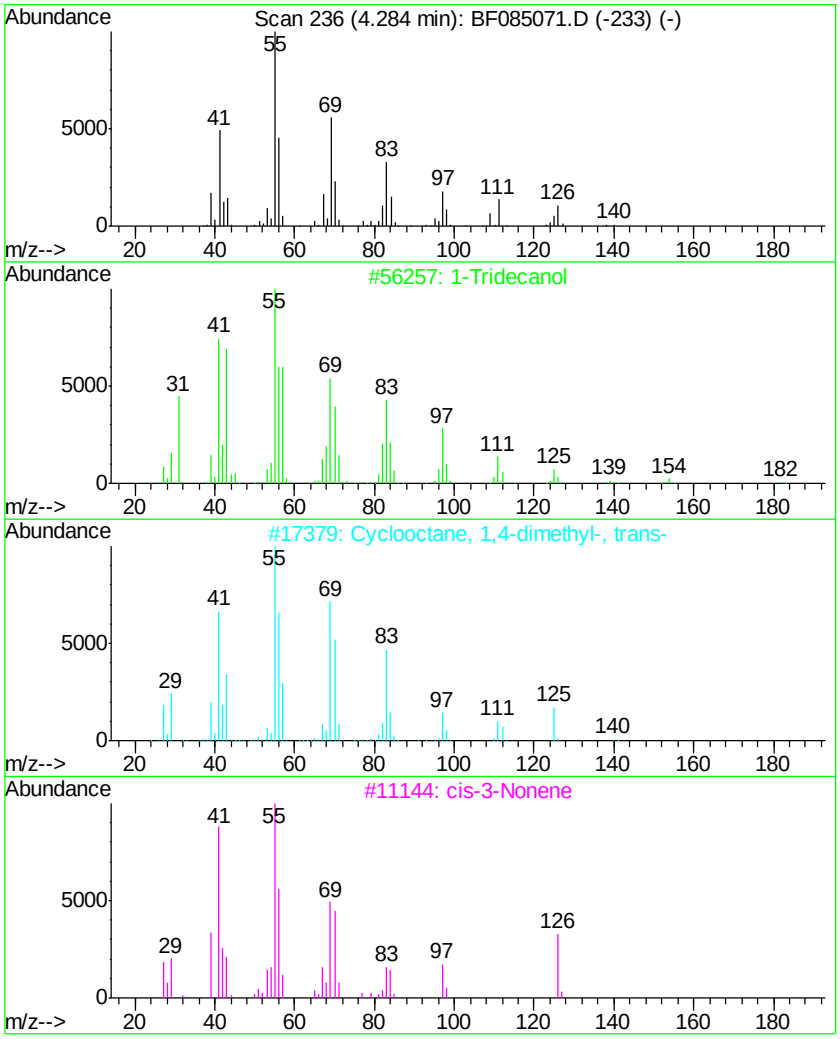
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

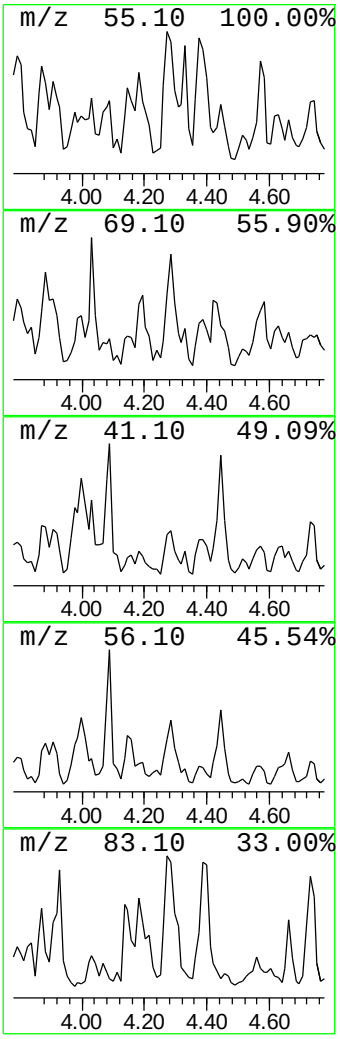
****

Peak Number 4 1-Tridecanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	99.58 ng	3108940	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tridecanol	200	C13H28O	000112-70-9	72
2	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	64
3	cis-3-Nonene	126	C9H18	020237-46-1	58
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	55
5	3-Undecene, 5-methyl-	168	C12H24	1000061-84-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
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Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

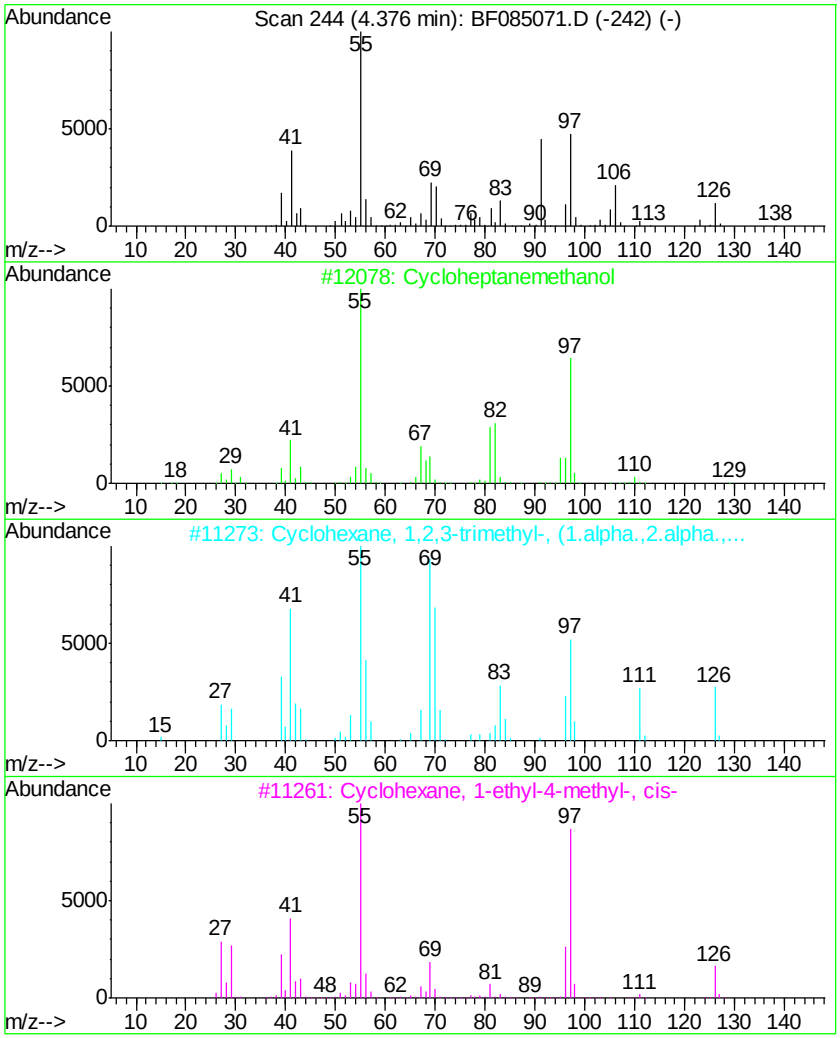
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

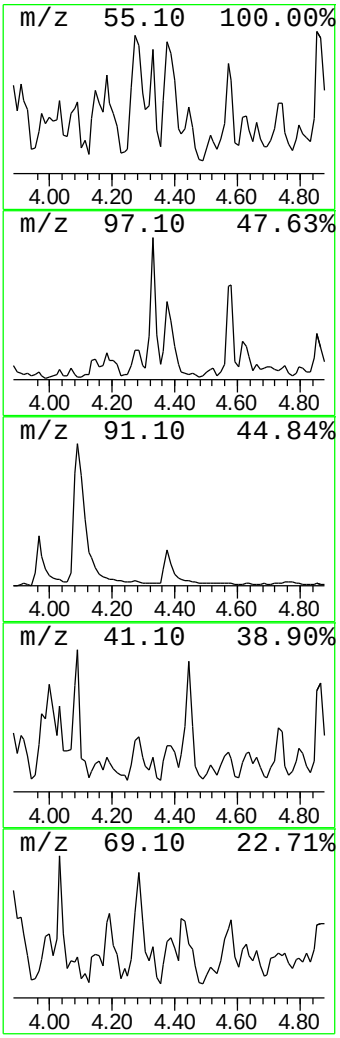
****

Peak Number 5 unknown4.38 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	102.08 ng	3187110	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanemethanol	128	C8H16O	004448-75-3	43
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	41
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	38
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38





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Data File : BF085071.D
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Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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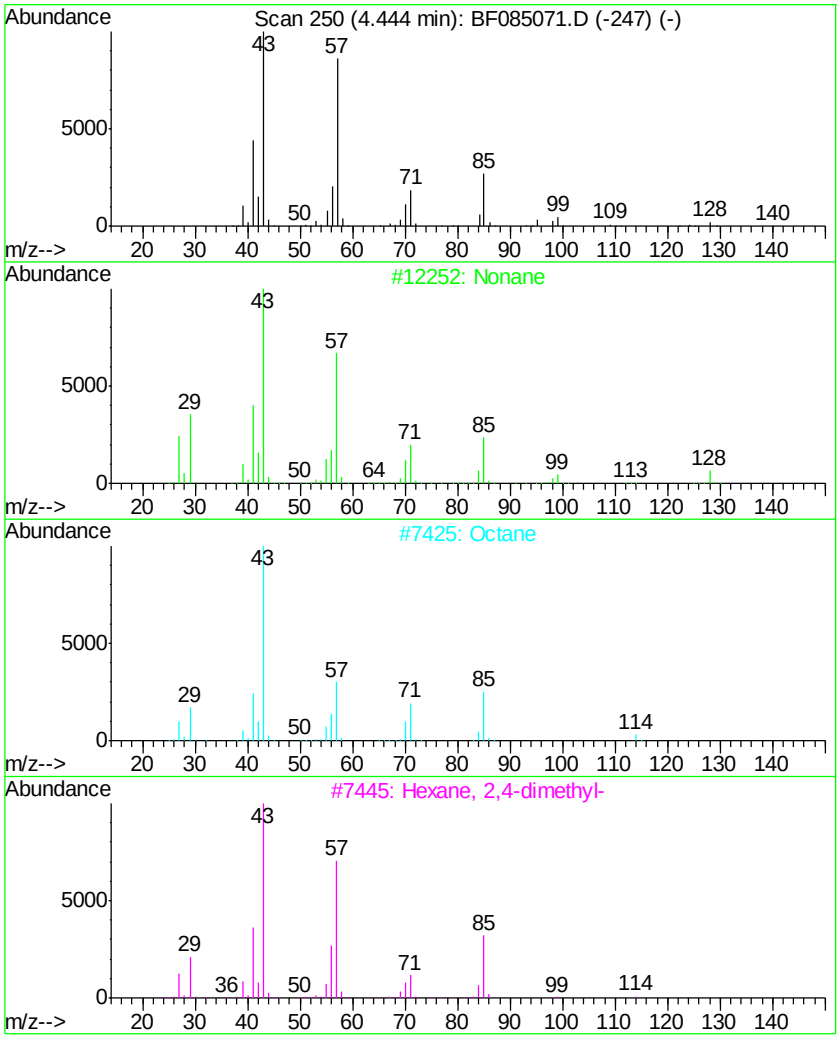
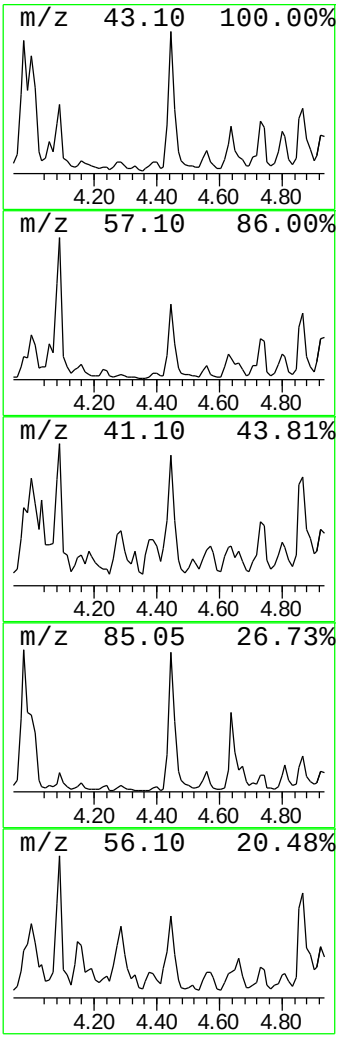
Peak Number 6 Nonane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	156.24 ng	4878060	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Octane	114	C8H18	000111-65-9	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	59
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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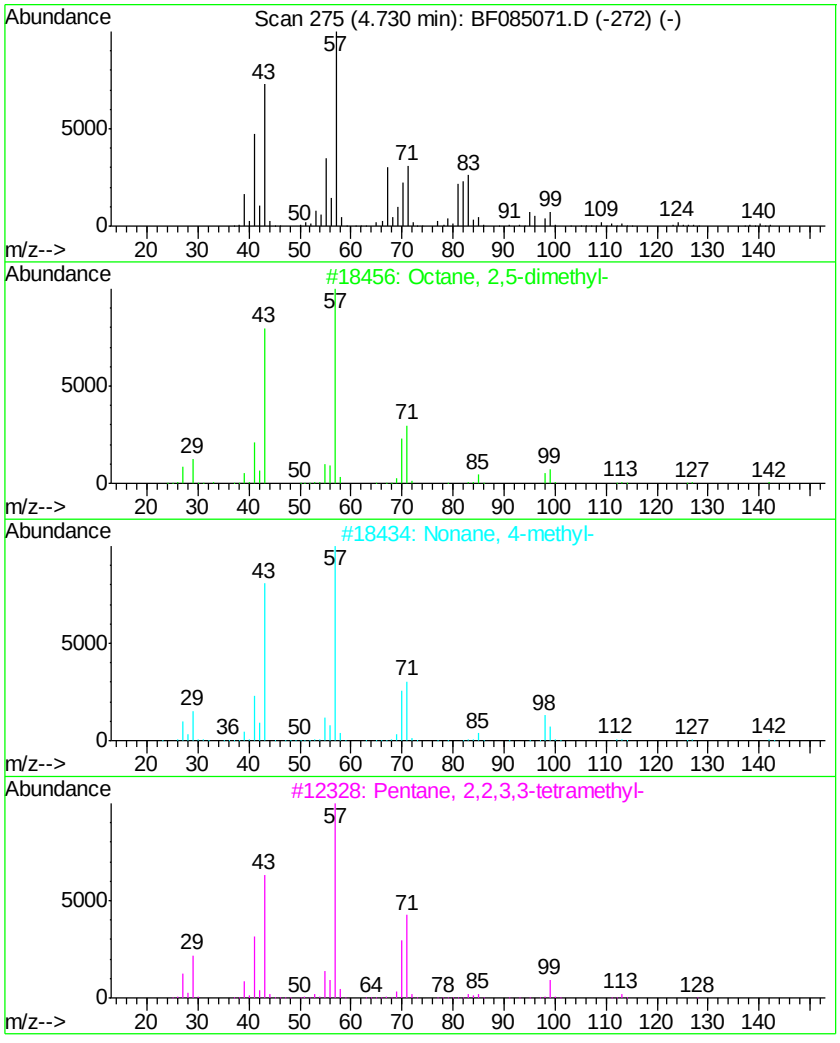
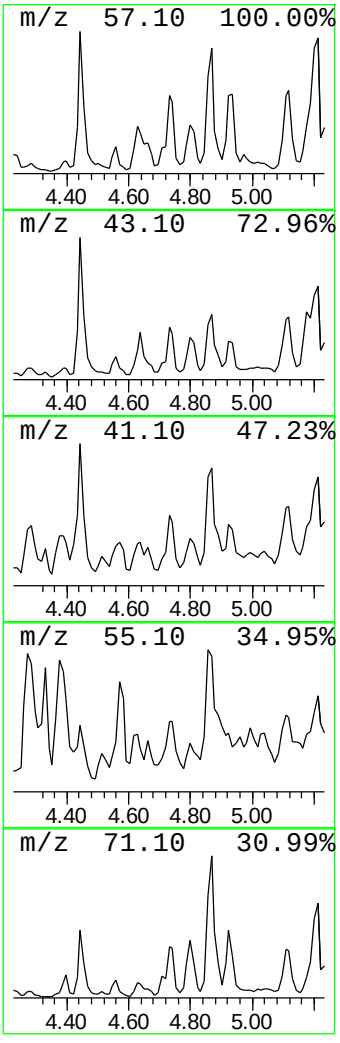
Peak Number 7 Octane, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	127.21 ng	3971880	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	35
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	35
4	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	27
5	3,4-Octadiene, 7,7-dimethyl-	138	C10H18	061129-34-8	27





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Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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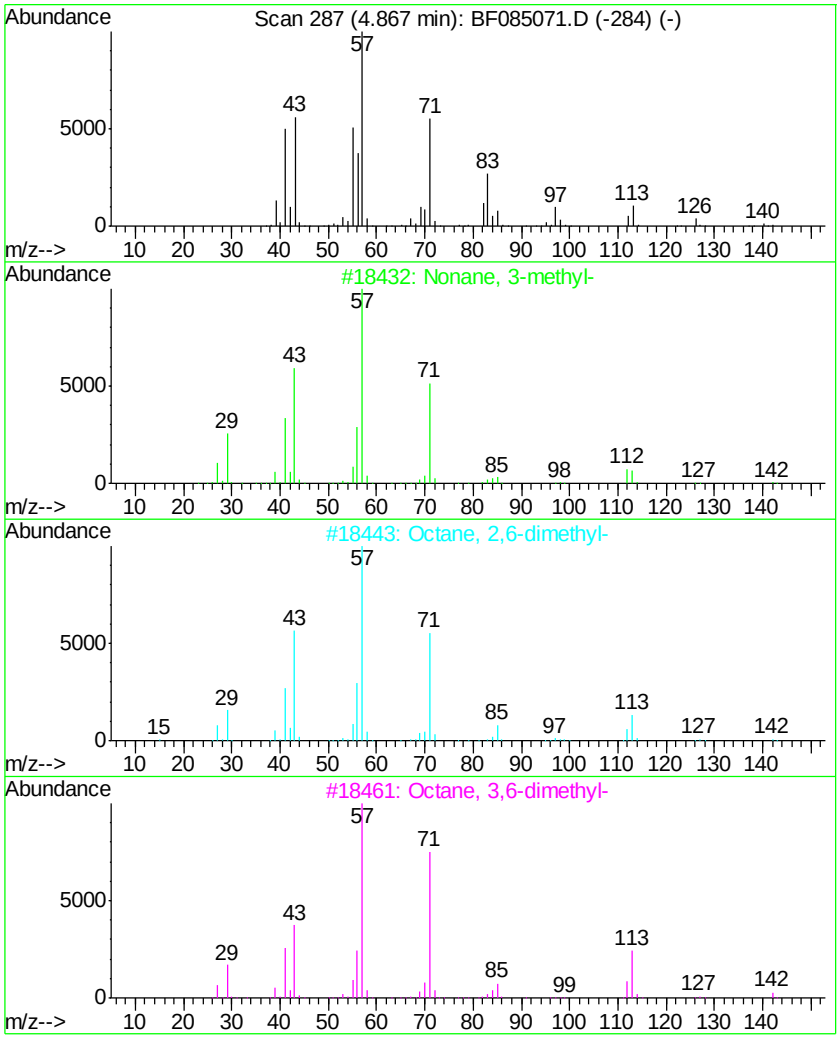
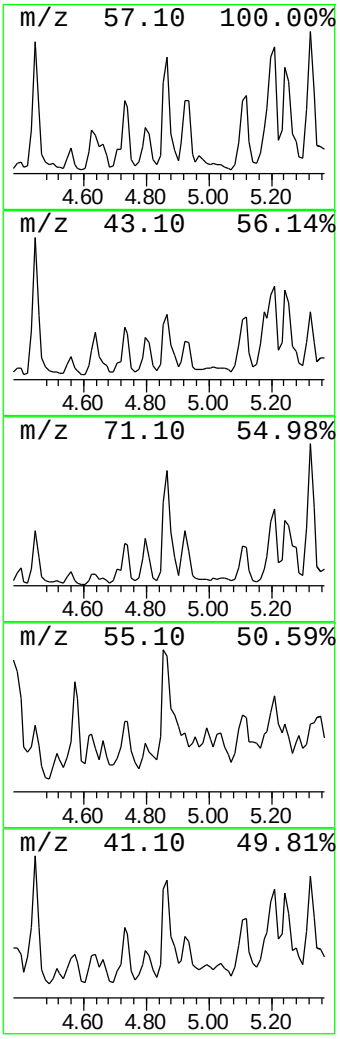
Peak Number 8 Nonane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	171.21 ng	5345380	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	43





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Sample : H1409-02
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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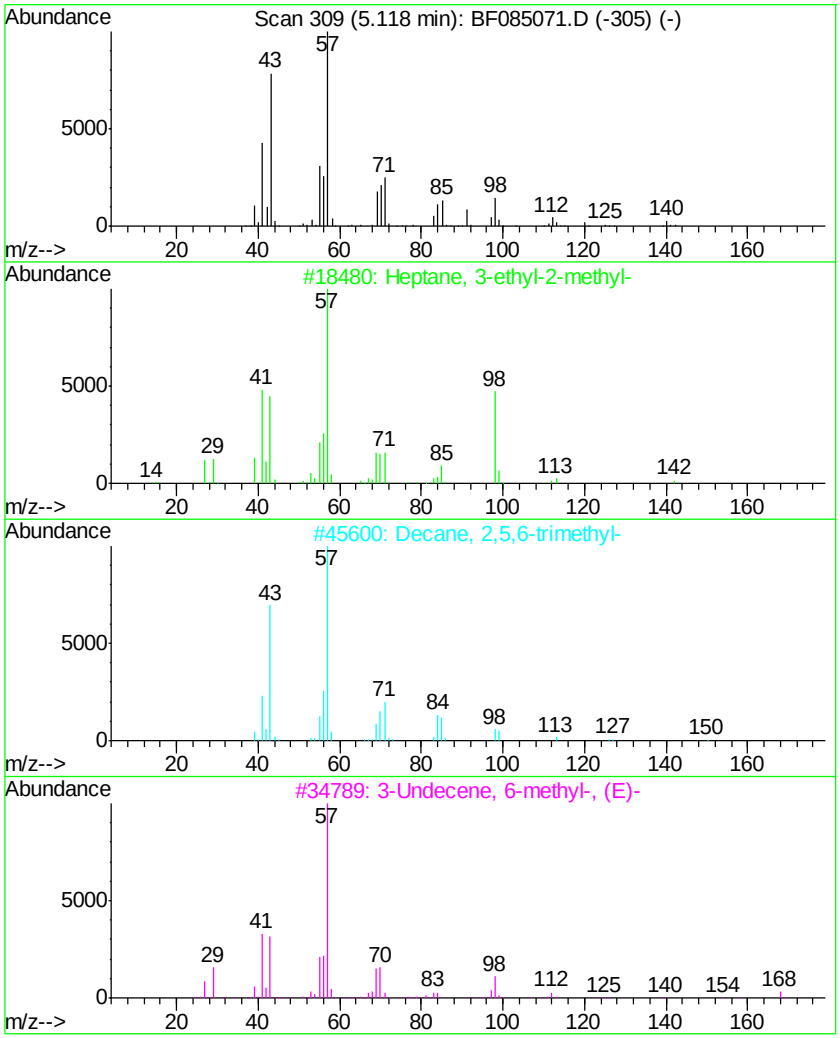
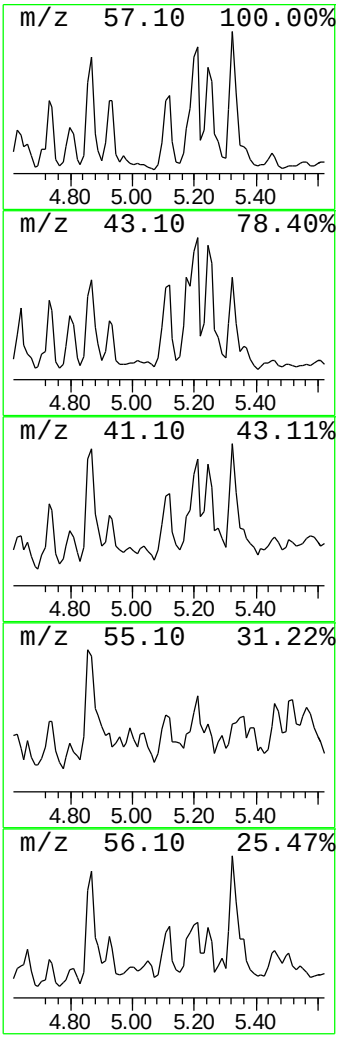
Peak Number 9 Heptane, 3-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	124.36 ng	3882720	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	50
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	50





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Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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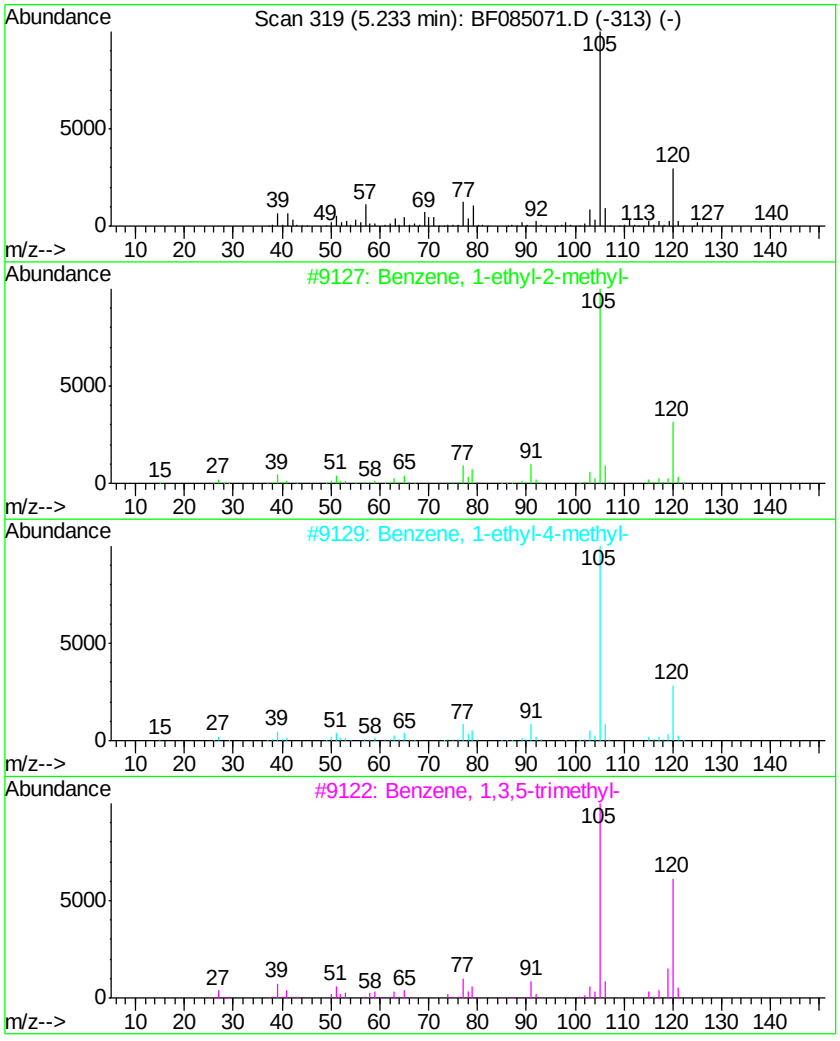
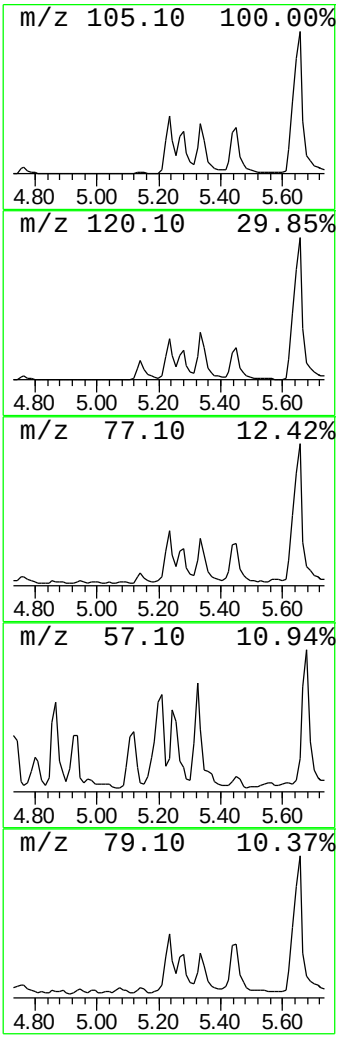
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	386.11 ng	12054900	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	81
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81





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Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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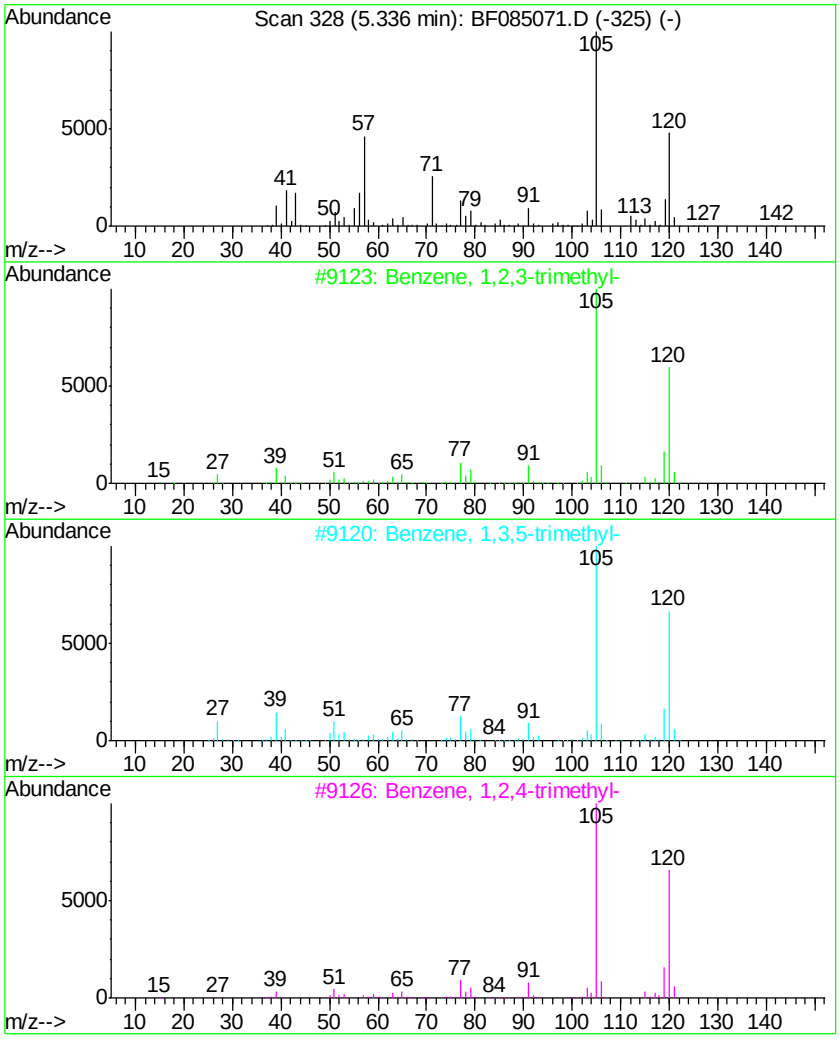
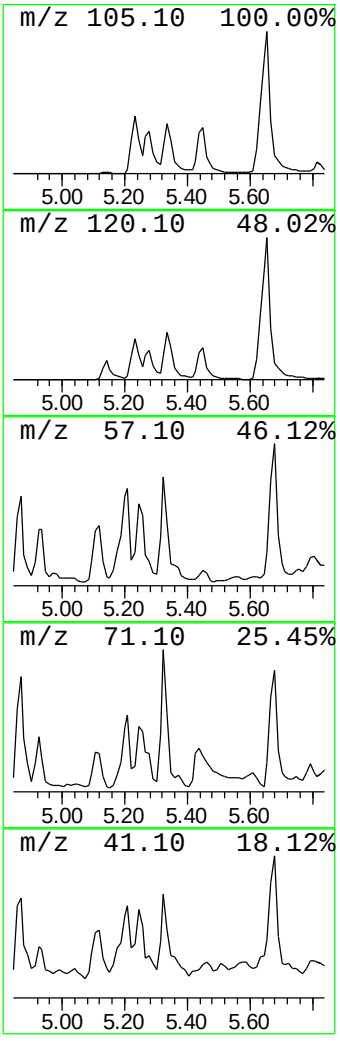
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.34	265.16 ng	8278910	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76





Library Search Compound Report

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Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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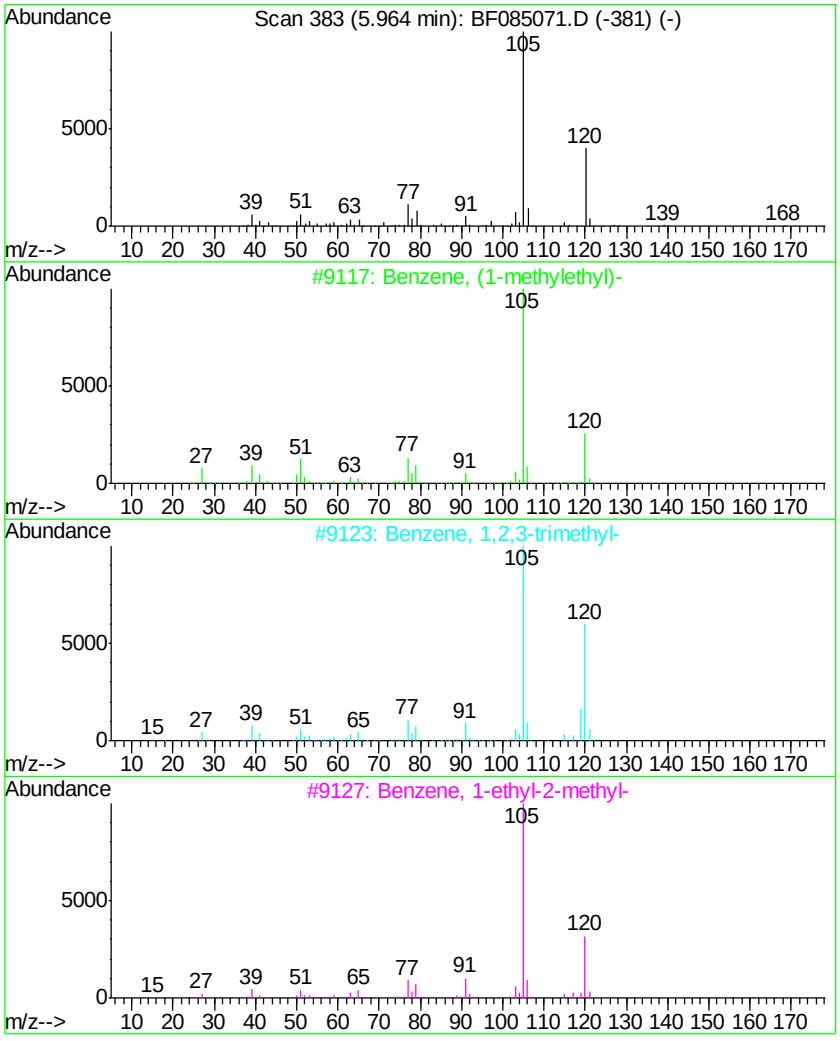
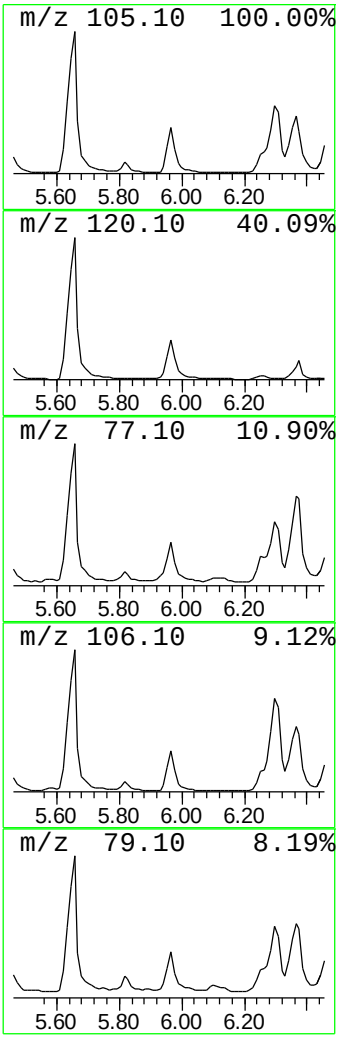
Peak Number 13 Benzene, (1-methylethyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	117.42 ng	3666020	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86





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Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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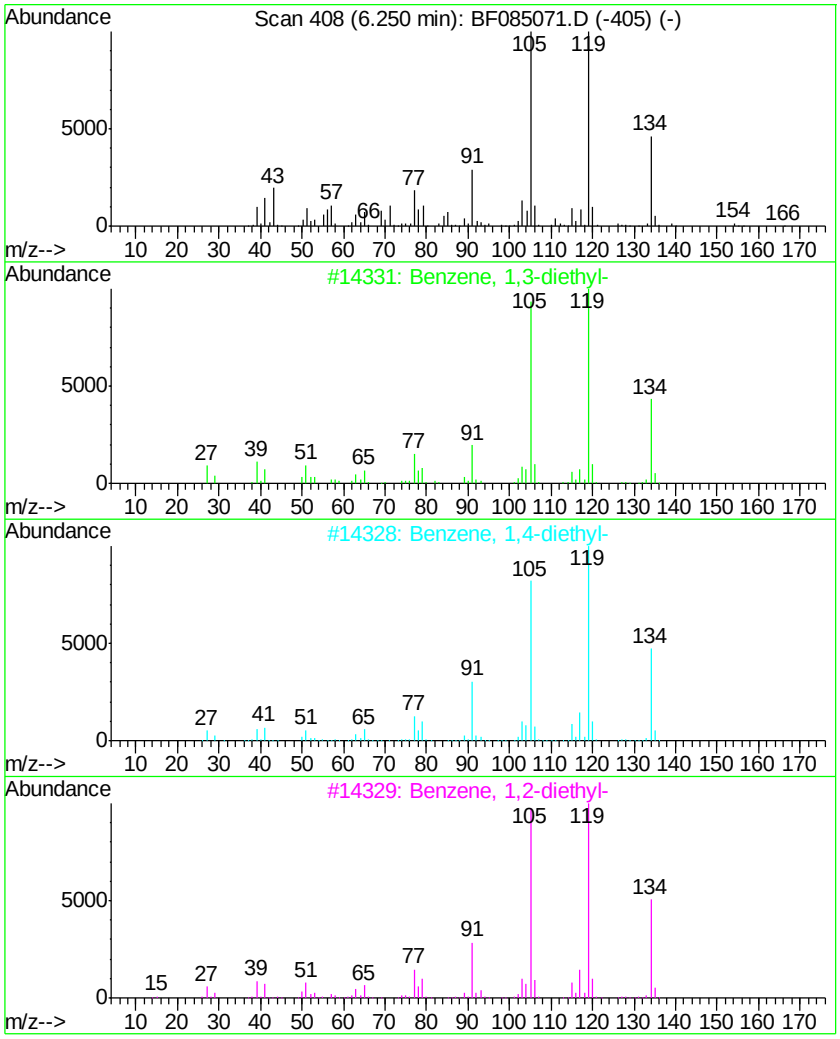
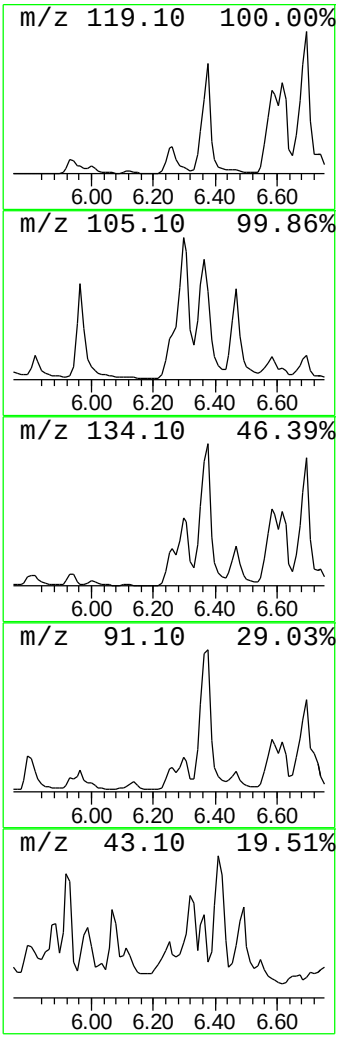
Peak Number 15 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	143.66 ng	4485180	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

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Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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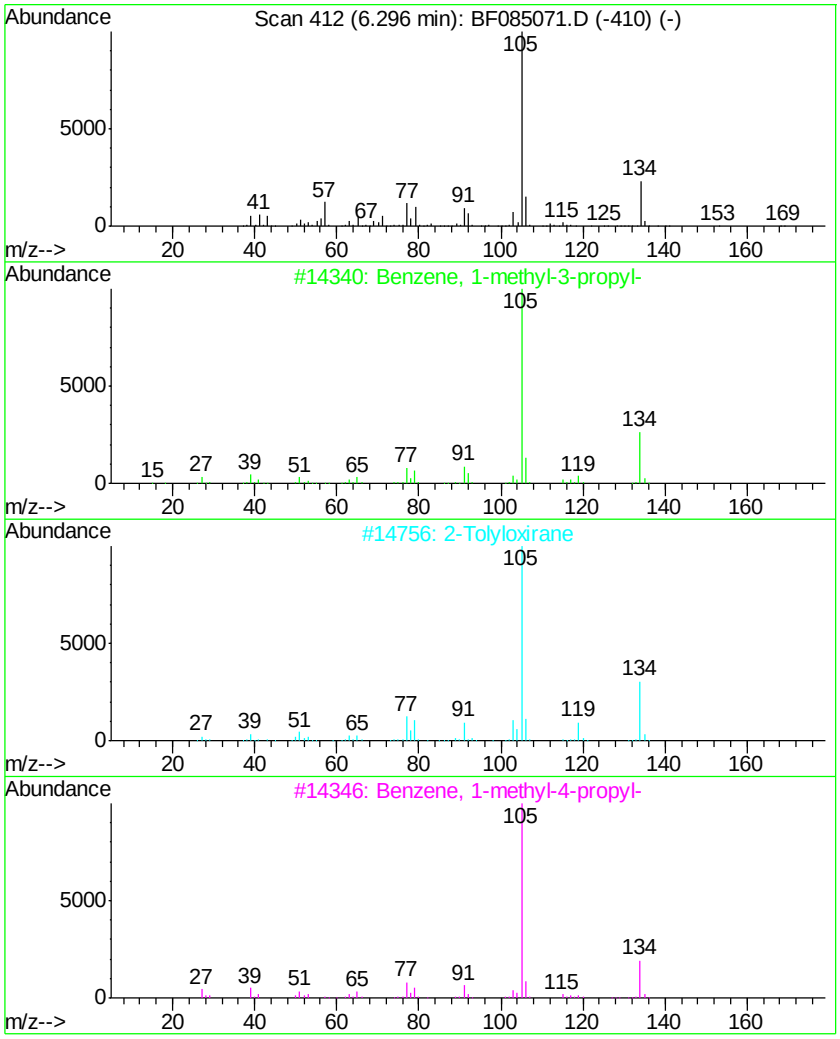
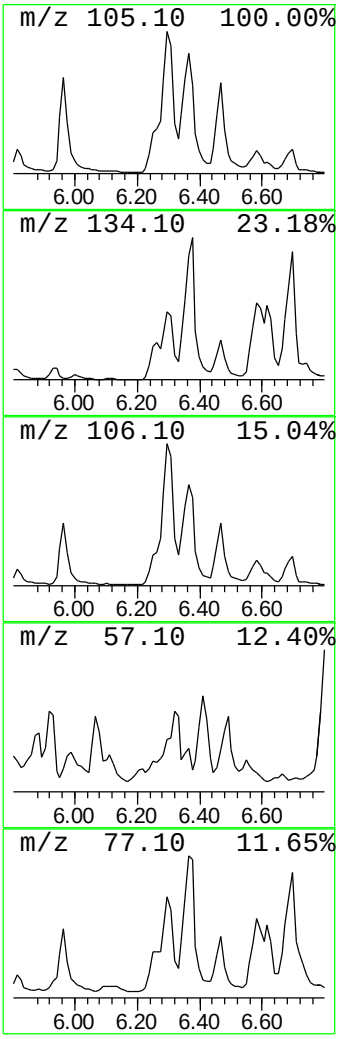
Peak Number 16 Benzene, 1-methyl-3-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	247.67 ng	7732860	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2	2-Tolyloxirane	134	C9H10O	002783-26-8	87
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	74





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Acq On : 13 Feb 2016 7:20
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Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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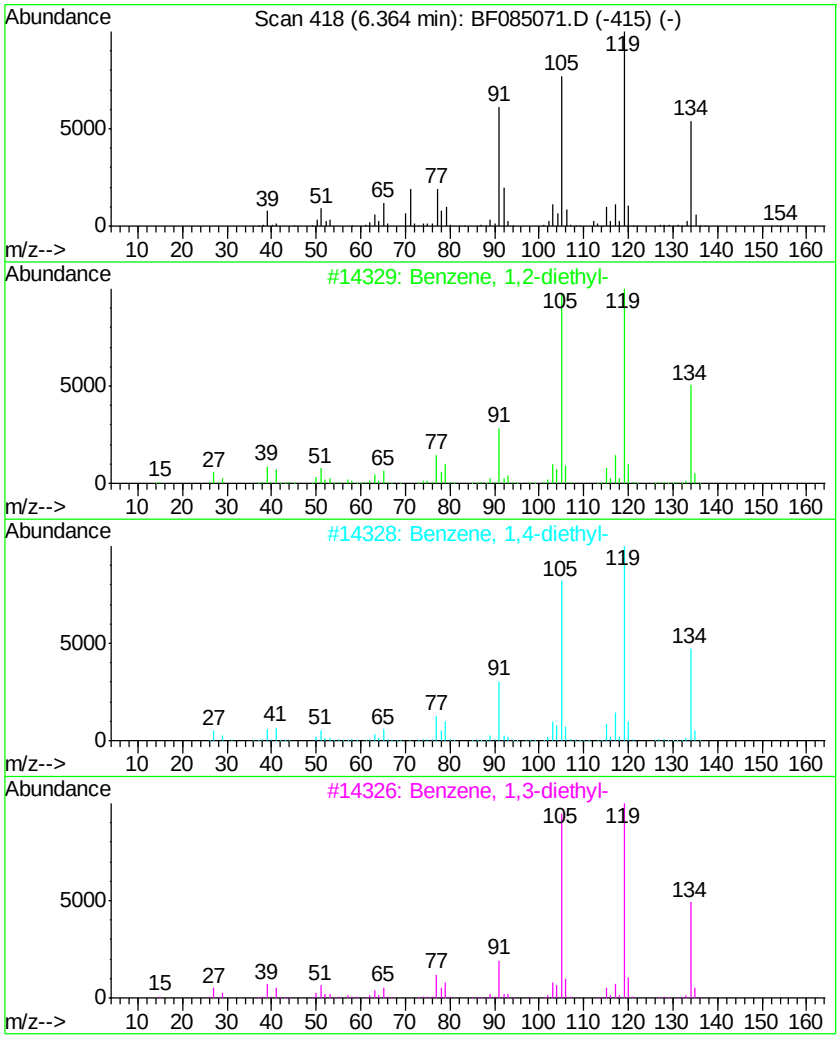
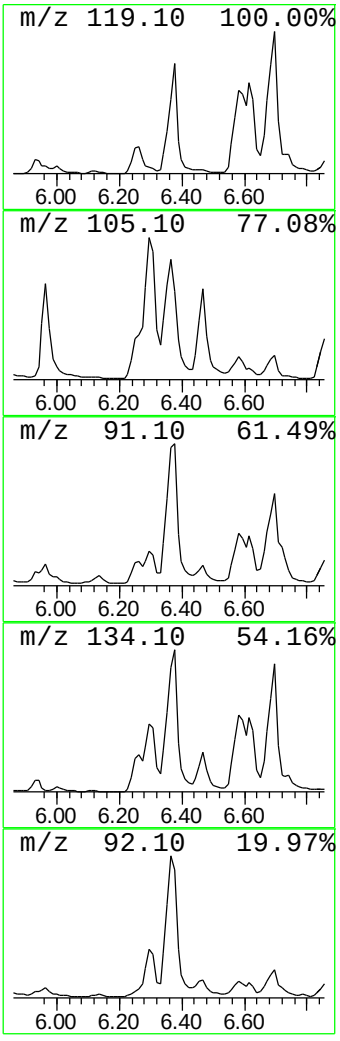
Peak Number 17 Benzene, 1,2-diethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	457.52 ng	14284500	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





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Misc :
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Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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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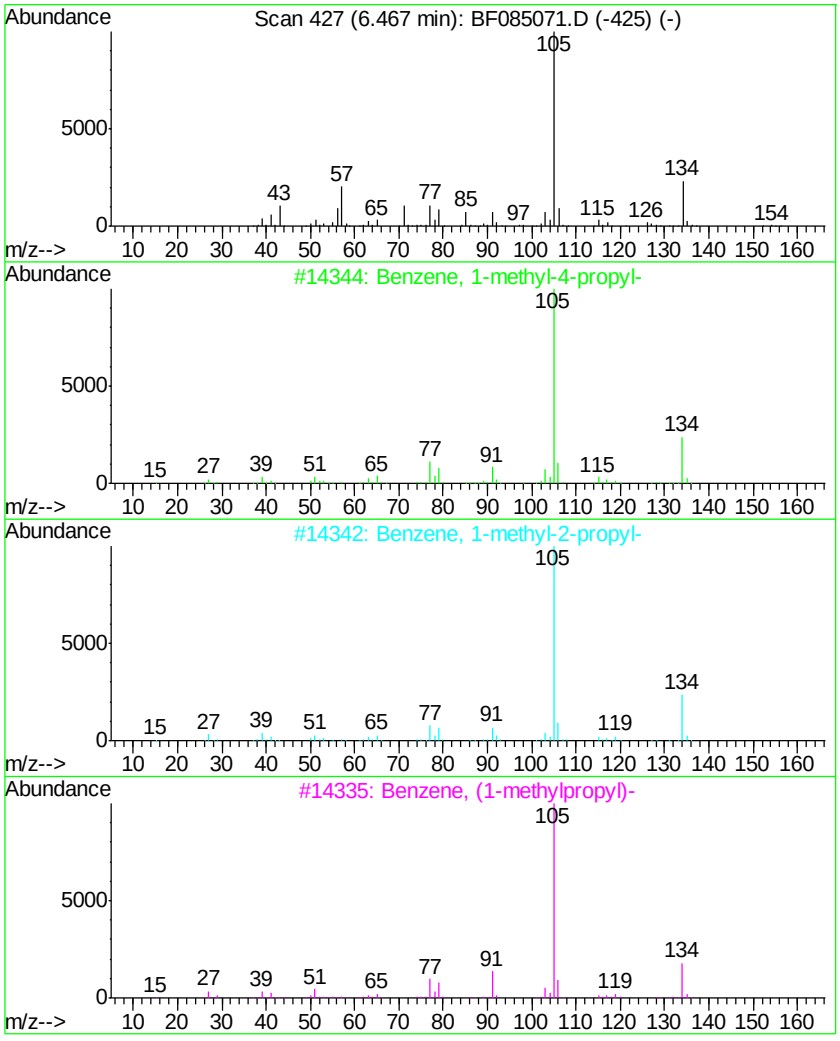
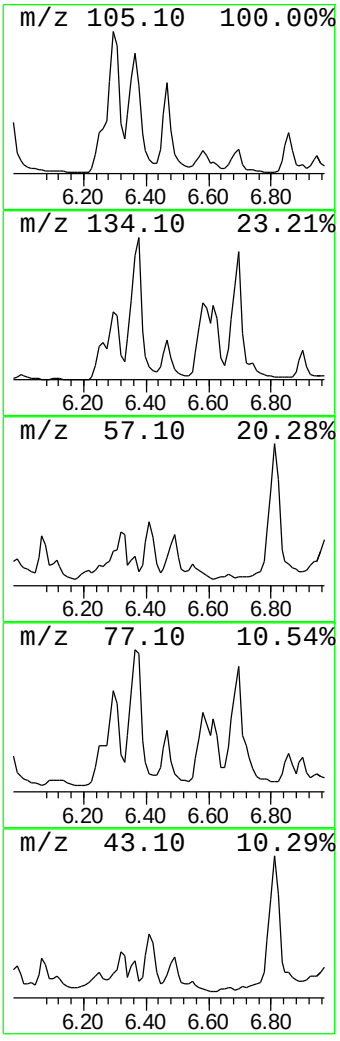
Peak Number 18 Benzene, 1-methyl-4-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	167.70 ng	5235810	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	92
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	70
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	70
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
5	2-Tolyloxirane	134	C9H10O	002783-26-8	53





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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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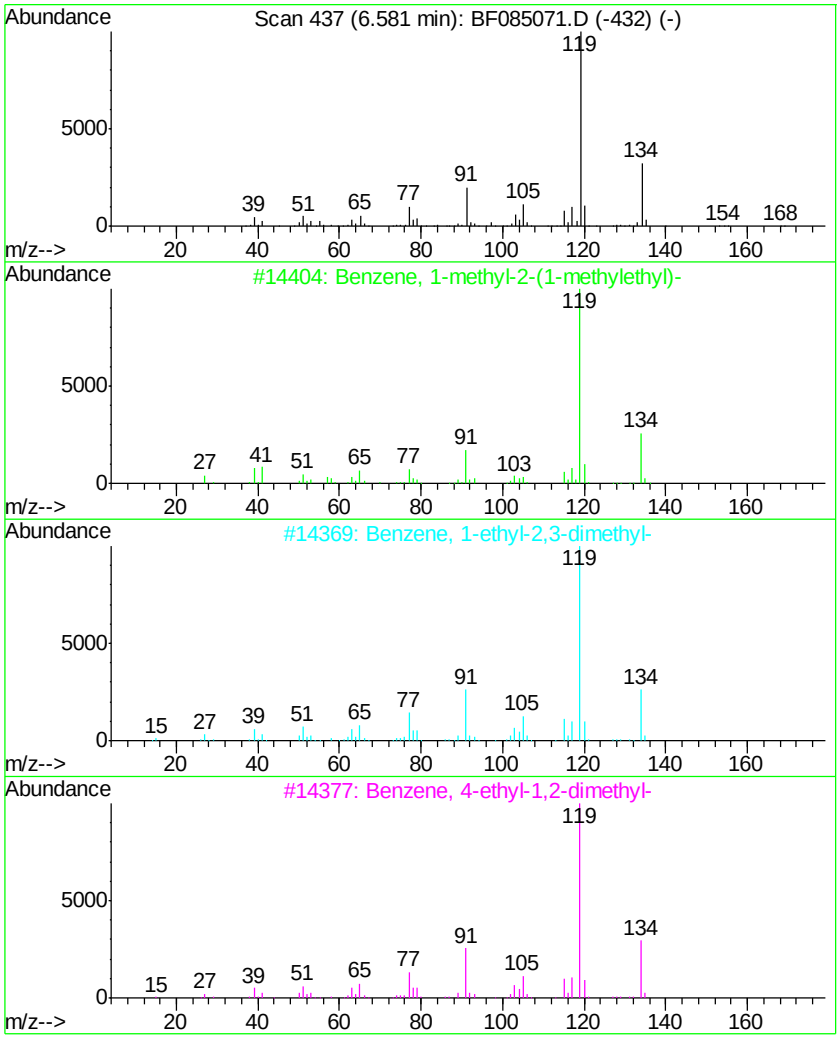
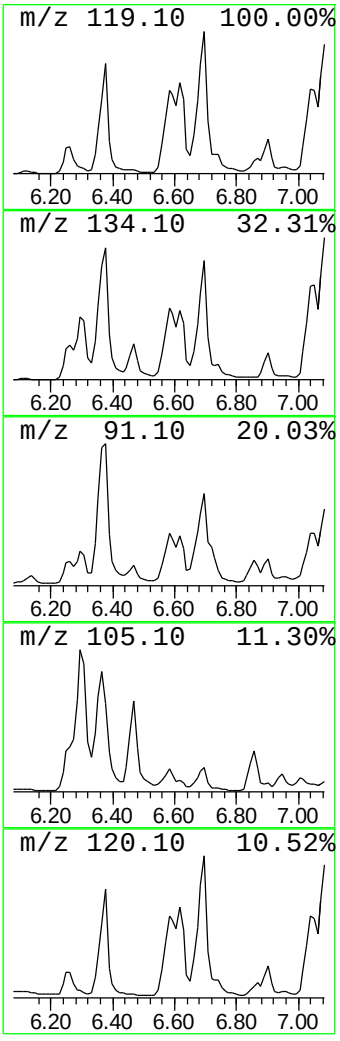
Peak Number 19 Benzene, 1-methyl-2-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	261.75 ng	8172260	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

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Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : SUP-B004(16-18)

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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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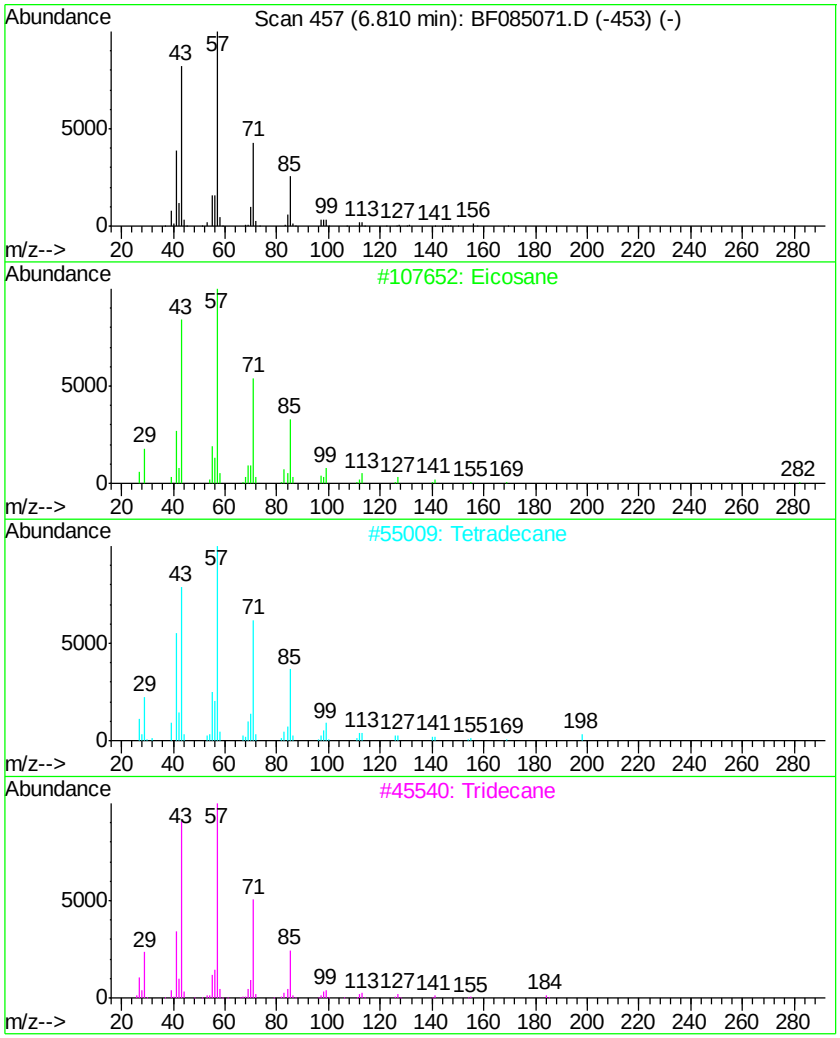
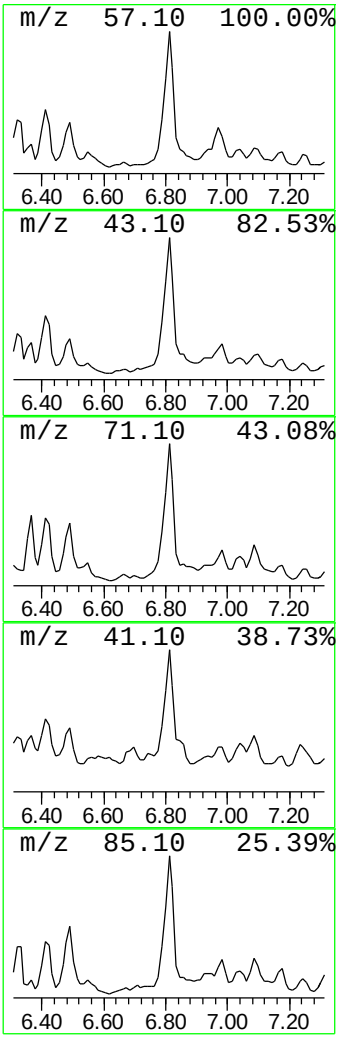
Peak Number 20 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	245.43 ng	7662690	1,4-Dichlorobenzene-d4	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Tridecane	184	C13H28	000629-50-5	86
4	Hexadecane	226	C16H34	000544-76-3	83
5	Decane	142	C10H22	000124-18-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021416\
Data File : BF085071.D
Acq On : 13 Feb 2016 7:20
Operator : SJ/IZ
Sample : H1409-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B004(16-18)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.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
Octane, 3-methyl-	3.60	141.9	ng	4428980	1	5.90	624438	20.0
Heptane, 2,4-dime...	3.98	127.4	ng	3976370	1	5.90	624438	20.0
1-Tridecanol	4.28	99.6	ng	3108940	1	5.90	624438	20.0
unknown4.38	4.38	102.1	ng	3187110	1	5.90	624438	20.0
Nonane	4.44	156.2	ng	4878060	1	5.90	624438	20.0
Octane, 2,5-dimet...	4.73	127.2	ng	3971880	1	5.90	624438	20.0
Nonane, 3-methyl-	4.87	171.2	ng	5345380	1	5.90	624438	20.0
Heptane, 3-ethyl-...	5.12	124.4	ng	3882720	1	5.90	624438	20.0
Benzene, 1-ethyl-...	5.23	386.1	ng	12054900	1	5.90	624438	20.0
Benzene, 1,2,3-tr...	5.34	265.2	ng	8278910	1	5.90	624438	20.0
Benzene, (1-methy...	5.96	117.4	ng	3666020	1	5.90	624438	20.0
Benzene, 1,3-diet...	6.25	143.7	ng	4485180	1	5.90	624438	20.0
Benzene, 1-methyl...	6.30	247.7	ng	7732860	1	5.90	624438	20.0
Benzene, 1,2-diet...	6.36	457.5	ng	14284500	1	5.90	624438	20.0
Benzene, 1-methyl...	6.47	167.7	ng	5235810	1	5.90	624438	20.0
Benzene, 1-methyl...	6.58	261.8	ng	8172260	1	5.90	624438	20.0
Eicosane	6.81	245.4	ng	7662690	1	5.90	624438	20.0