LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.184	24	26	29	rBV	496922	463022	5.53%	0.626%
2	1.550	55	58	61	rVB	311277	515651	6.16%	0.697%
3	1.721	71	73	76	rBV	268326	317715	3.80%	0.429%
4	1.847	80	84	88	rBV2	131432	237791	2.84%	0.321%
5	2.076	101	104	109	rVB3	39230	95330	1.14%	0.129%
6	2.521	132	143	148	rVB5	26799	98420	1.18%	0.133%
7	3.127	193	196	200	rVB	65937	128059	1.53%	0.173%
8	3.527	225	231	235	rBV	249471	451208	5.39%	0.610%
9	3.607	235	238	242	rVV	45855	88000	1.05%	0.119%
10	4.442	307	311	317	rVB	81111	141072	1.69%	0.191%
11	5.036	361	363	368	rBV	102208	127254	1.52%	0.172%
12	5.367	390	392	395	rVB	2296932	3216232	38.44%	4.346%
13	5.539	401	407	411	rVB3	2829742	8366008	100.00%	11.304%
14	5.825	430	432	435	rBV	1904635	2458797	29.39%	3.322%
15	6.236	465	468	470	rBV	563030	558323	6.67%	0.754%
16	6.590	497	499	502	rVB	934052	1211011	14.48%	1.636%
17	6.682	504	507	509	rVV	3007172	3068895	36.68%	4.147%
18	6.716	509	510	512	rVV	1941947	1696853	20.28%	2.293%
19	6.773	512	515	517	rVV	2323446	2133847	25.51%	2.883%
20	6.819	517	519	521	rVV	464162	510258	6.10%	0.689%
21	6.876	521	524	526	rVV	1751865	1645928	19.67%	2.224%
22	6.968	529	532	534	rBV	1670264	1542834	18.44%	2.085%
23	7.048	537	539	542	rVB	4885552	5179114	61.91%	6.998%
24	7.208	549	553	555	rVB2	136245	221069	2.64%	0.299%
25	7.265	555	558	560	rBV	383313	515464	6.16%	0.697%
26	7.333	560	564	566	rBV	2386521	2441817	29.19%	3.299%
27	7.448	571	574	575	rBV	1684945	1607155	19.21%	2.172%
28	7.482	575	577	579	rVV	2135772	2095755	25.05%	2.832%
29	7.573	583	585	587	rBV	716310	669688	8.00%	0.905%
30	7.608	587	588	590	rVB	664528	507829	6.07%	0.686%
31	7.665	590	593	595	rBV	1409865	1468801	17.56%	1.985%
32	7.745	598	600	604	rVB	253309	331370	3.96%	0.448%
33	7.836	606	608	610	rBV	486586	625010	7.47%	0.845%
34	7.870	610	611	613	rVV	463327	336531	4.02%	0.455%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.928	613	616	617	rVV2	1846290	1994395	23.84%	2.695%
36	7.950	617	618	622	rVV2	1644184	1977617	23.64%	2.672%
37	8.065	626	628	630	rBV3	87606	116944	1.40%	0.158%
38	8.111	630	632	633	rVB	215724	253493	3.03%	0.343%
39	8.213	639	641	643	rBV	920339	888926	10.63%	1.201%
40	8.248	643	644	646	rVB	955856	704904	8.43%	0.952%
41	8.362	651	654	656	rBV2	150589	247284	2.96%	0.334%
42	8.442	658	661	662	rVV2	768451	949772	11.35%	1.283%
43	8.522	665	668	670	rBV	1382616	1860236	22.24%	2.514%
44	8.568	670	672	675	rVV2	240263	310713	3.71%	0.420%
45	8.636	675	678	680	rVB2	189716	294851	3.52%	0.398%
46	8.693	680	683	685	rVB	185878	195486	2.34%	0.264%
47	8.796	688	692	693	rBV2	94812	172434	2.06%	0.233%
48	8.831	693	695	696	rVV	854971	1054209	12.60%	1.424%
49	8.865	696	698	700	rVV	2456292	2435715	29.11%	3.291%
50	8.899	700	701	705	rVB	183669	304516	3.64%	0.411%
51	8.956	705	706	708	rBV	81571	91513	1.09%	0.124%
52	9.082	714	717	720	rBV3	57783	118785	1.42%	0.161%
53	9.139	720	722	723	rVV2	61399	98104	1.17%	0.133%
54	9.185	723	726	728	rVV2	213860	271342	3.24%	0.367%
55	9.276	731	734	737	rBV2	54593	112230	1.34%	0.152%
56	9.322	737	738	739	rVV	169759	124679	1.49%	0.168%
57	9.356	739	741	743	rVV	260735	266090	3.18%	0.360%
58	9.425	743	747	748	rVV2	109644	179776	2.15%	0.243%
59	9.471	748	751	755	rVV5	59296	134855	1.61%	0.182%
60	9.574	758	760	762	rVB	383444	354783	4.24%	0.479%
61	9.654	762	767	770	rVB3	62514	138940	1.66%	0.188%
62	9.722	770	773	775	rBV	972730	1031874	12.33%	1.394%
63	9.756	775	776	780	rVB2	127044	143072	1.71%	0.193%
64	9.836	781	783	785	rVV2	528319	735059	8.79%	0.993%
65	9.905	787	789	794	rVB5	54050	161734	1.93%	0.219%
66	10.019	794	799	801	rBV2	53835	122860	1.47%	0.166%
67	10.179	811	813	815	rVB	2631689	2339891	27.97%	3.162%
68	10.271	818	821	827	rBV3	118087	258929	3.10%	0.350%
69	10.499	837	841	843	rBV2	143719	229539	2.74%	0.310%
70	10.591	847	849	850	rVV2	88605	97955	1.17%	0.132%
71	11.002	883	885	888	rBV2	645099	790637	9.45%	1.068%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.151	894	898	901	rVB2	82696	139618	1.67%	0.189%
73	11.311	910	912	919	rBV3	188660	372610	4.45%	0.503%
74	11.985	968	971	974	rBV	1492421	1441121	17.23%	1.947%
75	12.854	1044	1047	1049	rBV	610825	794541	9.50%	1.074%
76	14.843	1219	1221	1224	rBV	2528462	2767057	33.07%	3.739%
77	16.134	1332	1334	1337	rBV	803588	939988	11.24%	1.270%
78	17.894	1485	1488	1491	rBV	811992	915069	10.94%	1.236%

Sum of corrected areas: 74006257

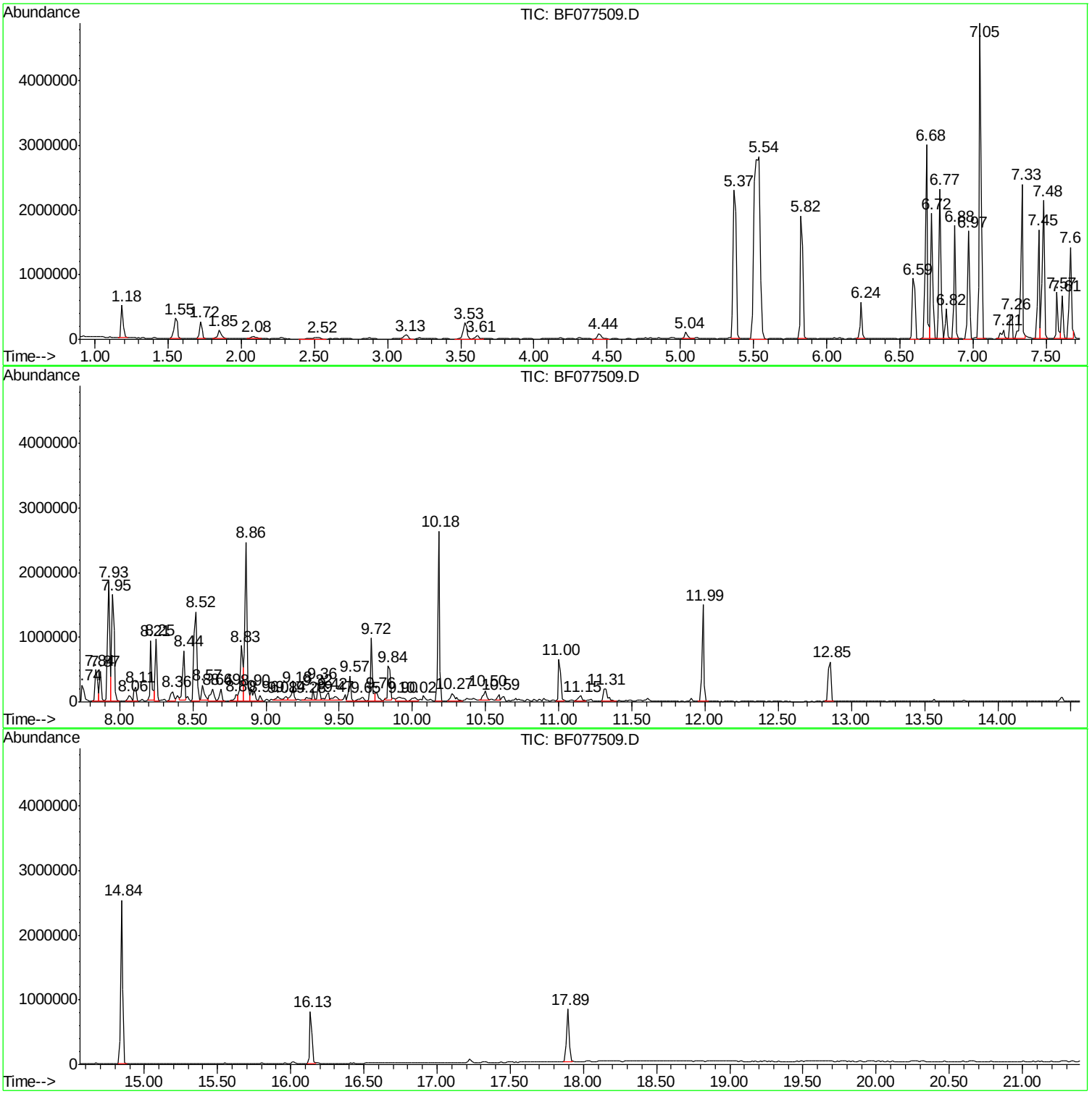
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

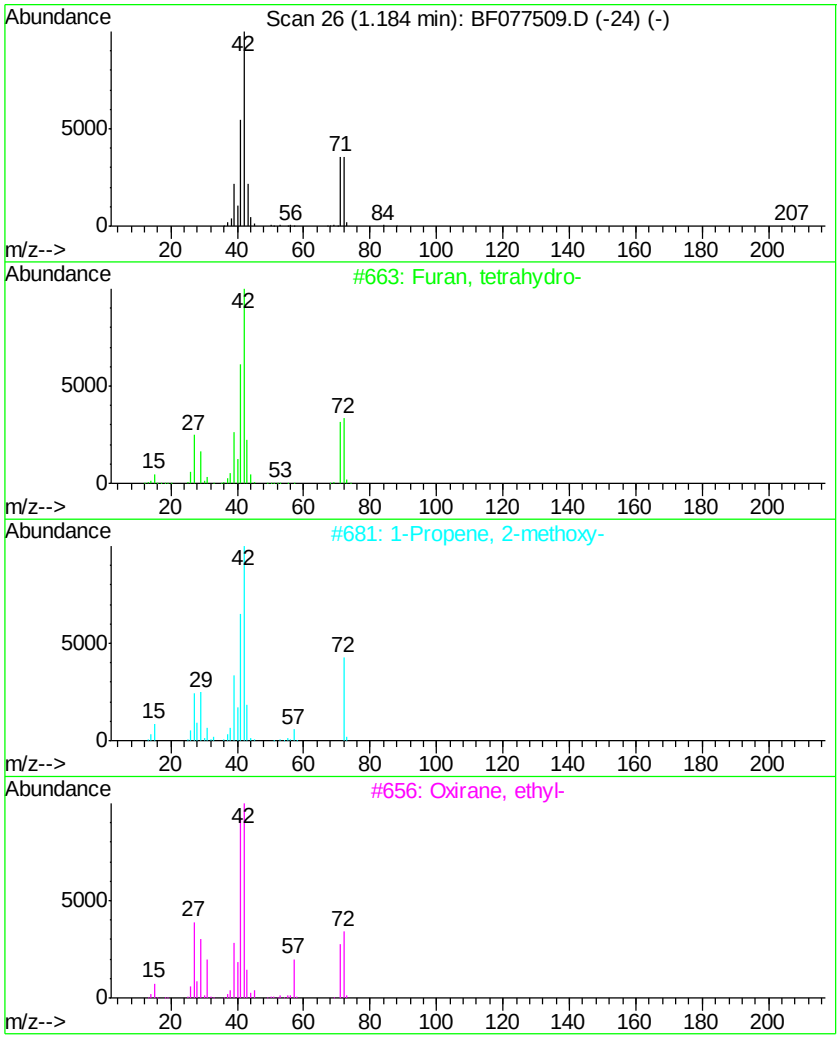
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

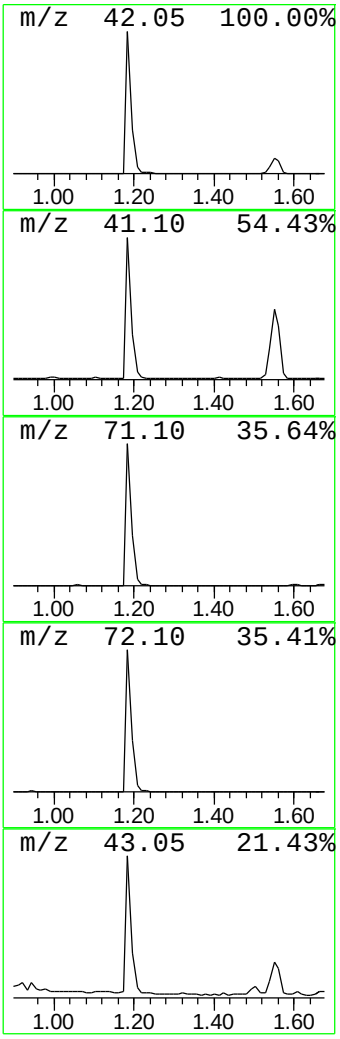
****

Peak Number 1 Furan, tetrahydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	17.97 ng	463022	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-	72	C4H8O	000109-99-9	91
2	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	72
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	56
4	Isobutylene epoxide	72	C4H8O	000558-30-5	46
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

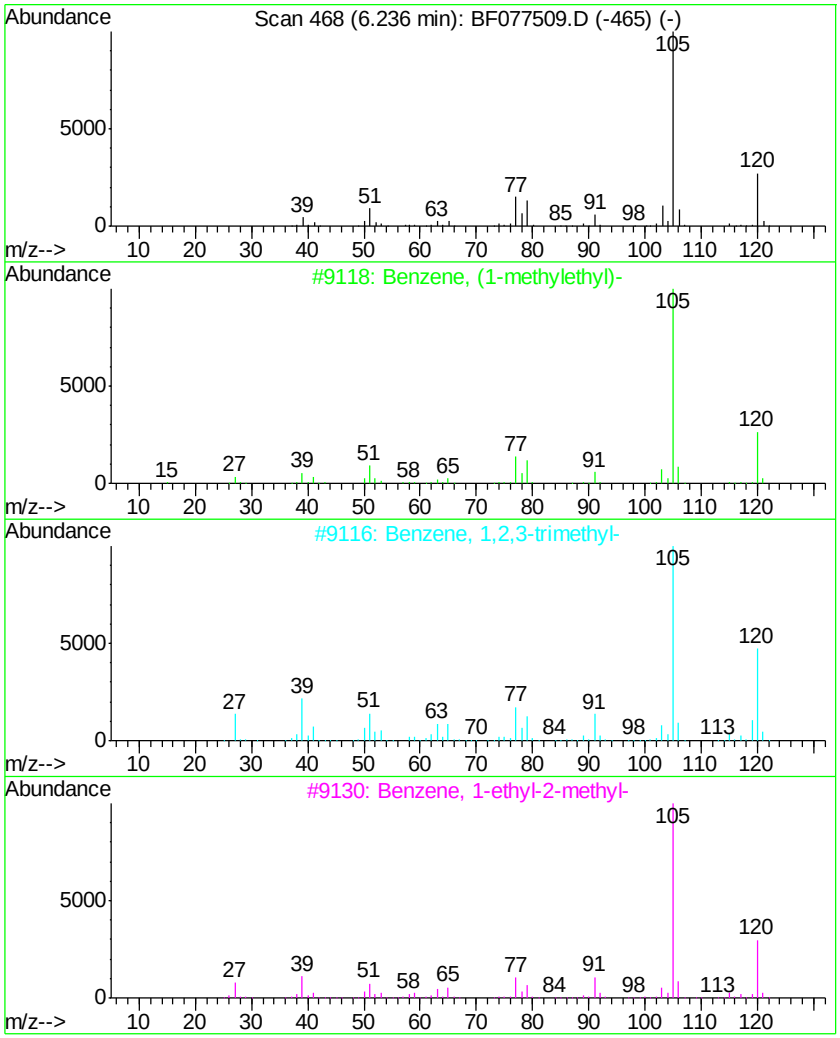
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

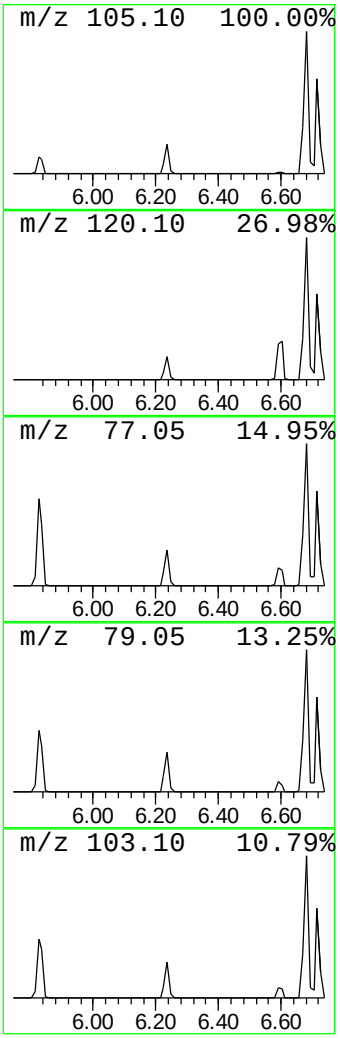
****

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	21.66 ng	558323	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

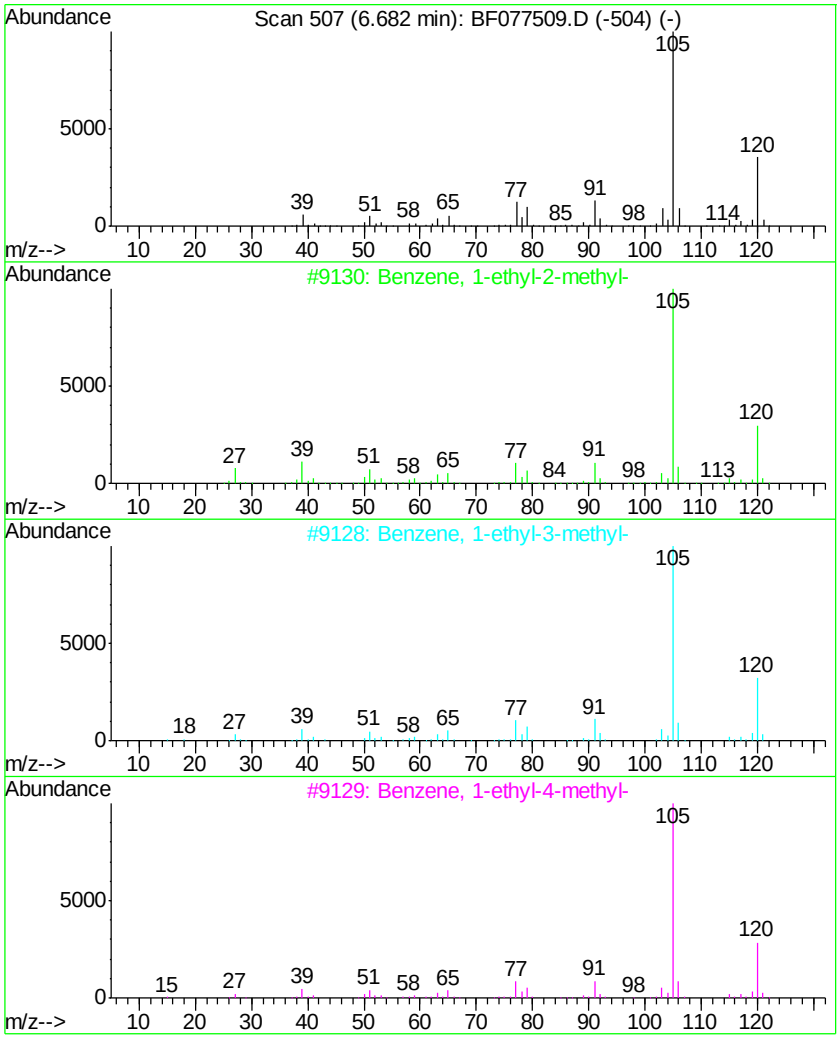
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

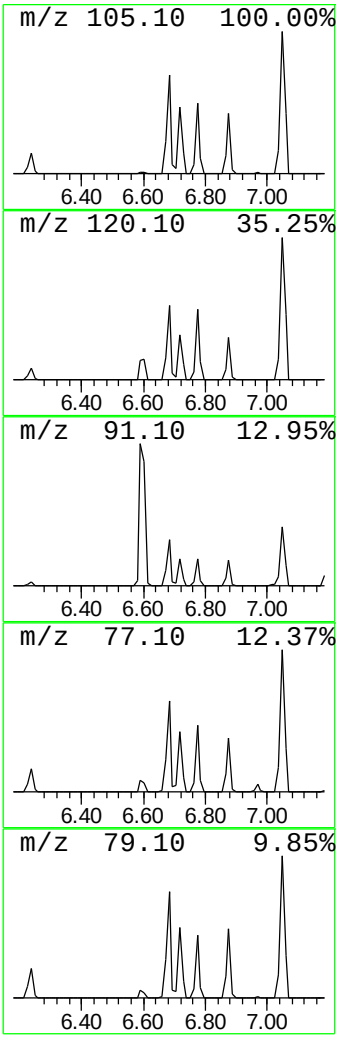
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	119.07 ng	3068900	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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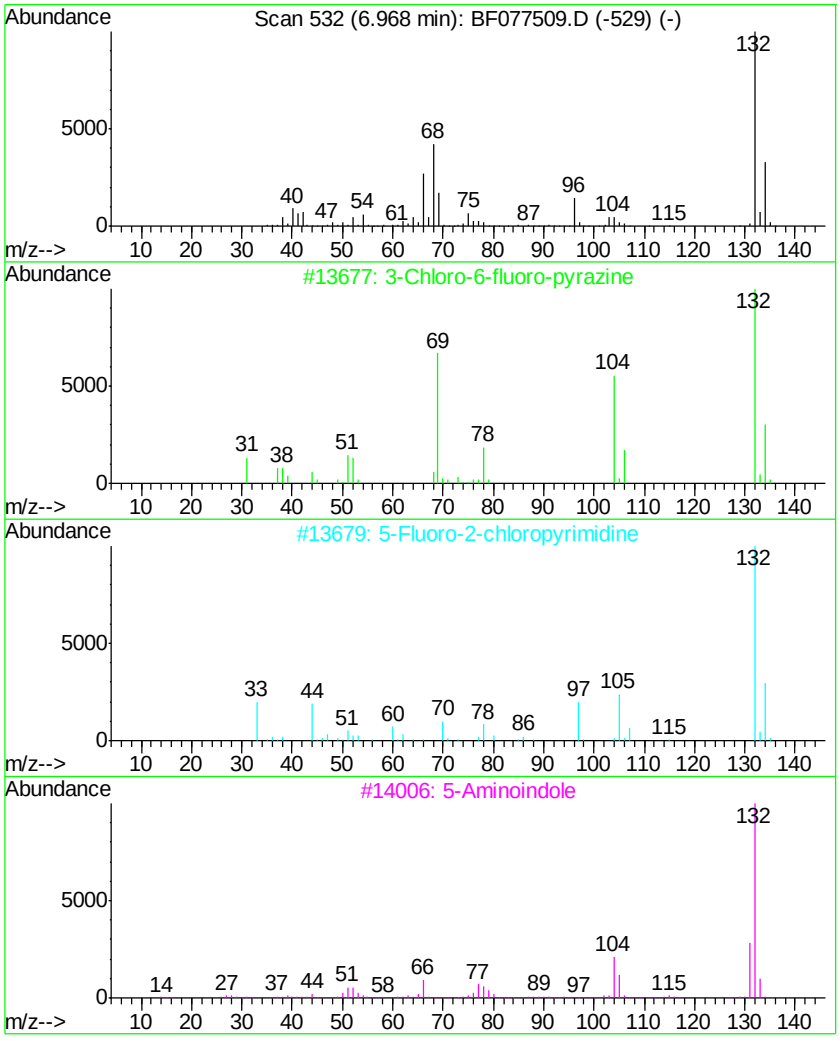
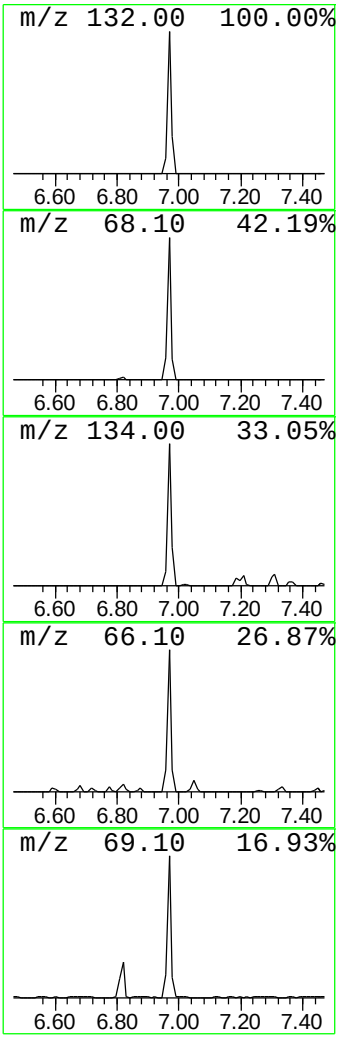
Peak Number 10 unknown6.97 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	59.86 ng	1542830	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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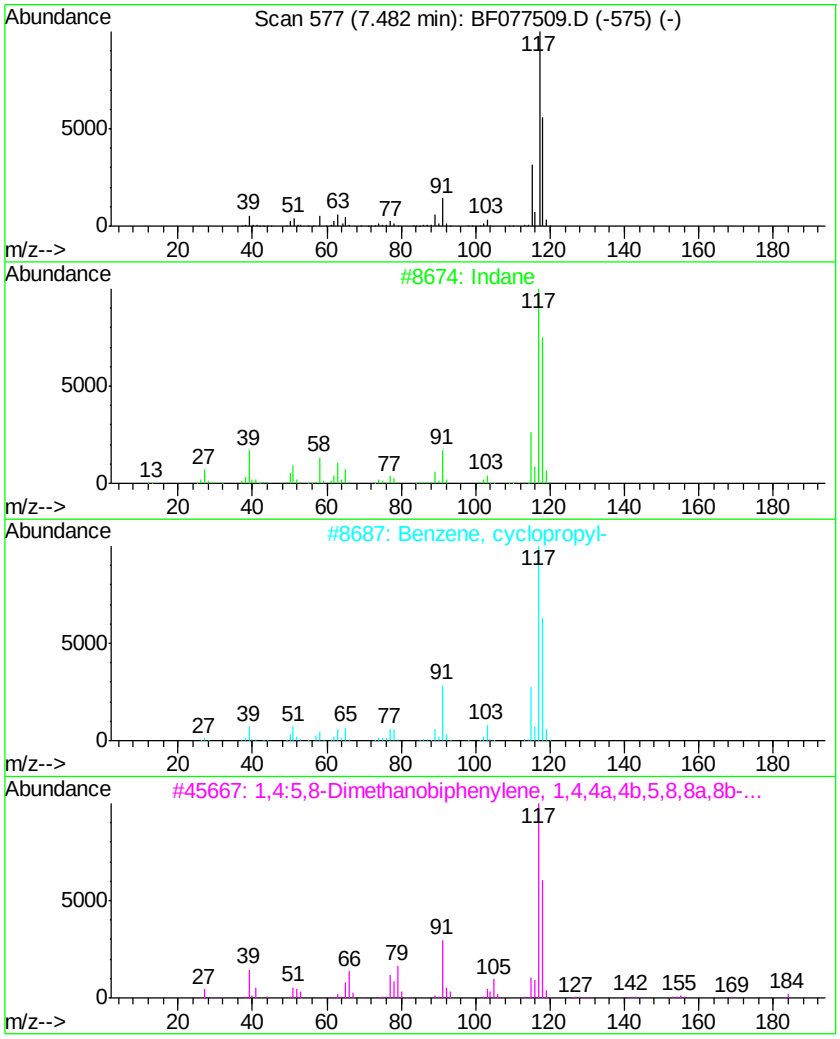
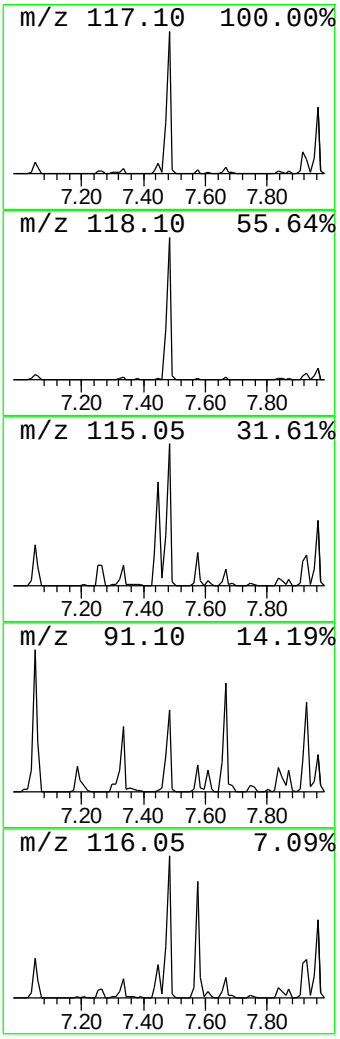
Peak Number 14 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	81.32 ng	2095760	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	72
4	Deltacyclene	118	C9H10	007785-10-6	64
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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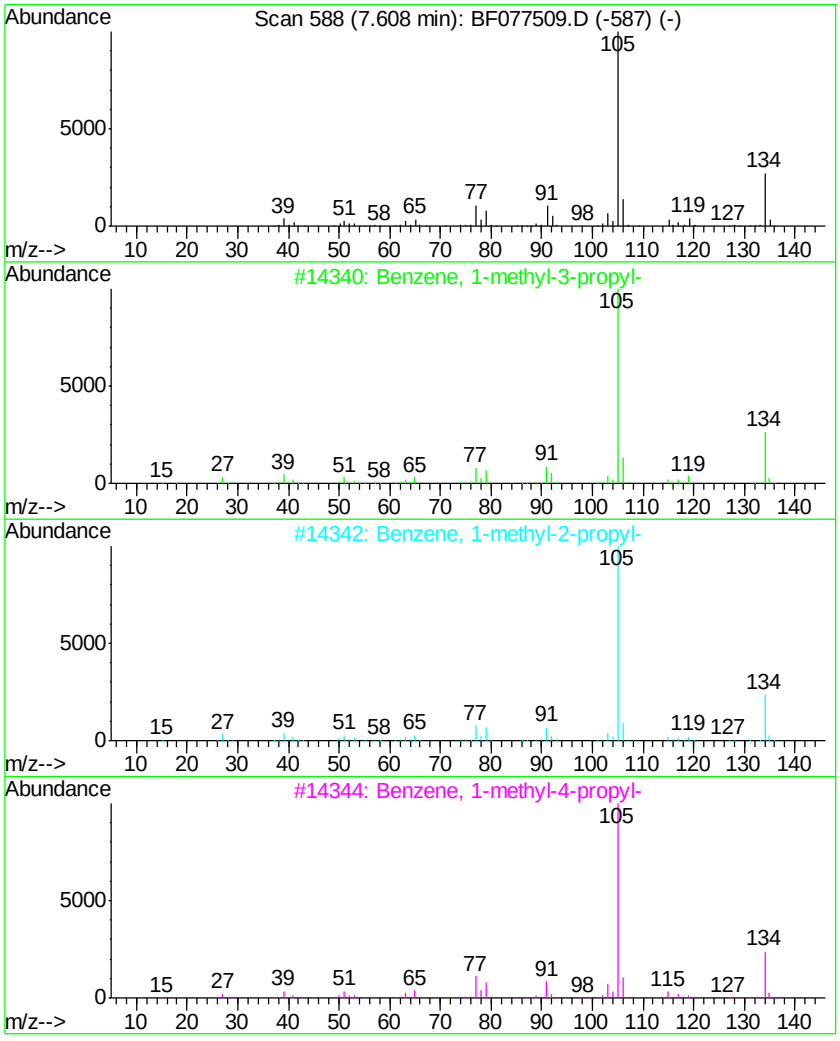
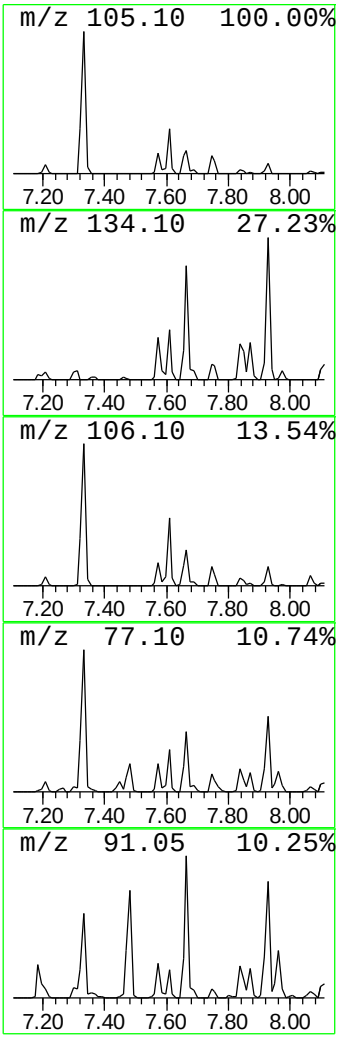
Peak Number 16 Benzene, 1-methyl-3-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	19.70 ng	507829	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	2-Indanol	134	C9H10O	004254-29-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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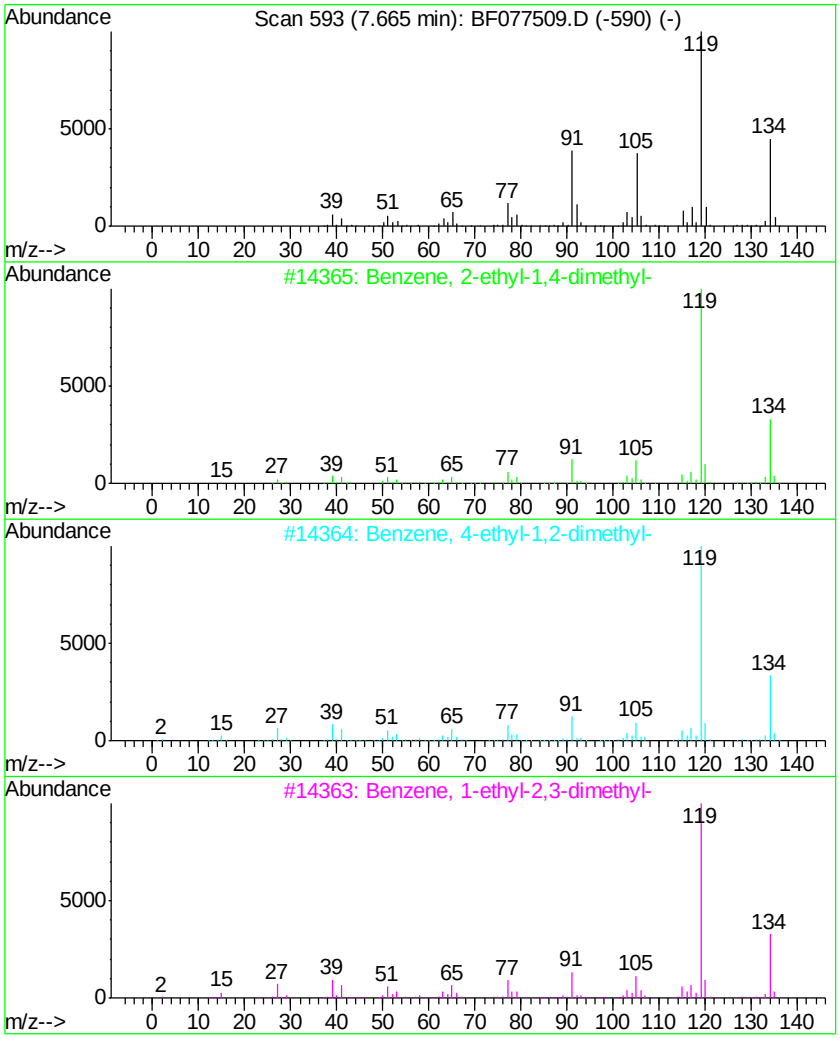
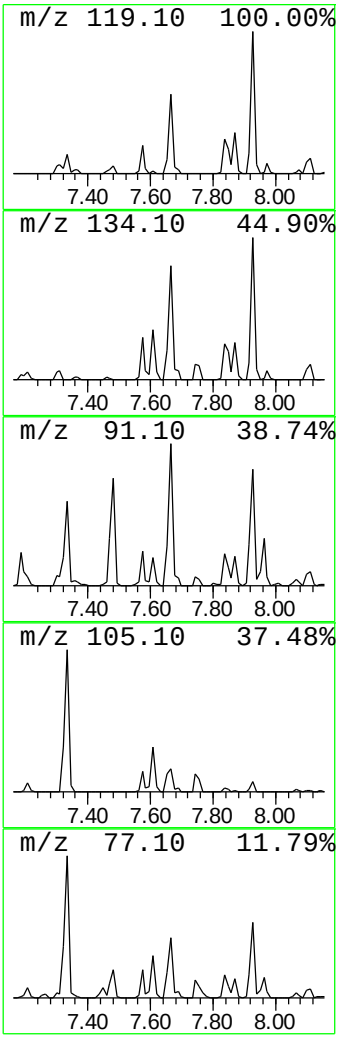
Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	56.99 ng	1468800	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





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Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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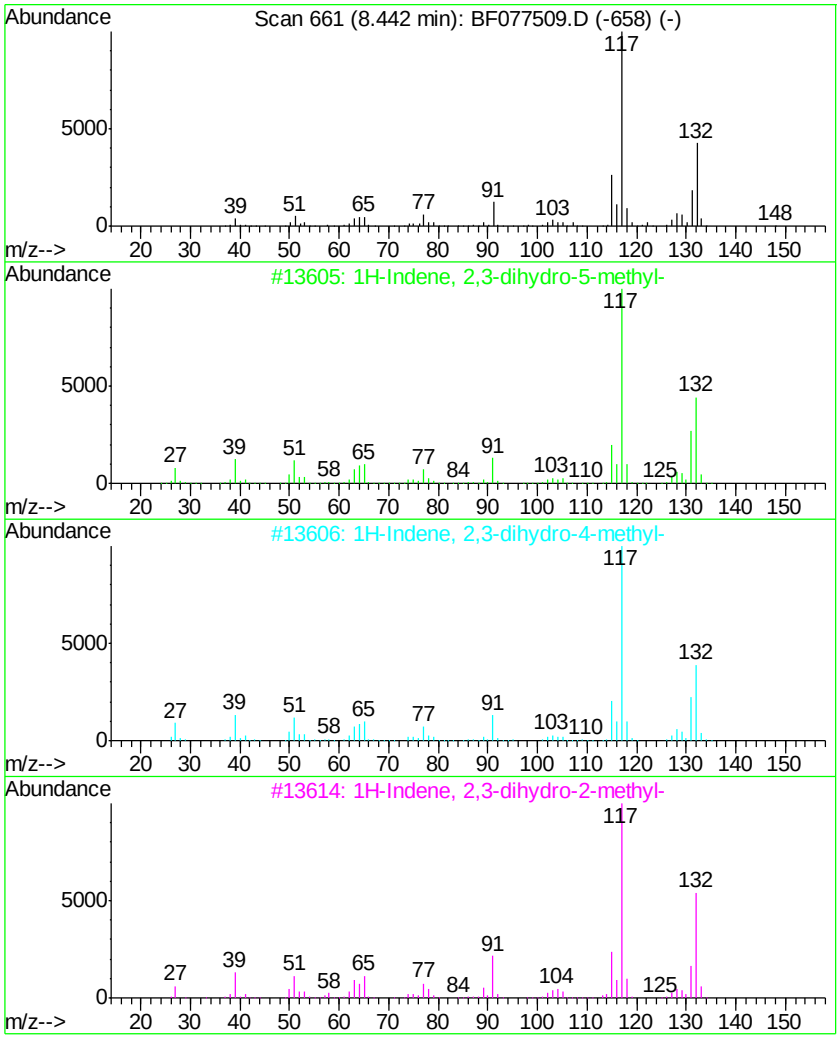
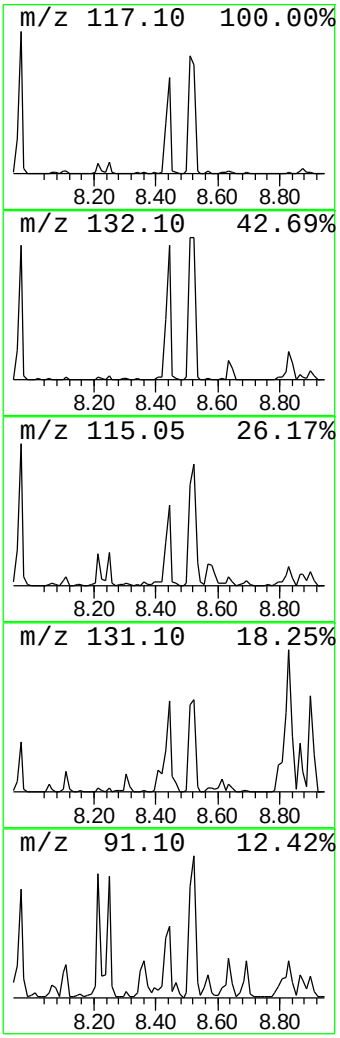
Peak Number 19 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	18.02 ng	949772	Naphthalene-d8	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





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Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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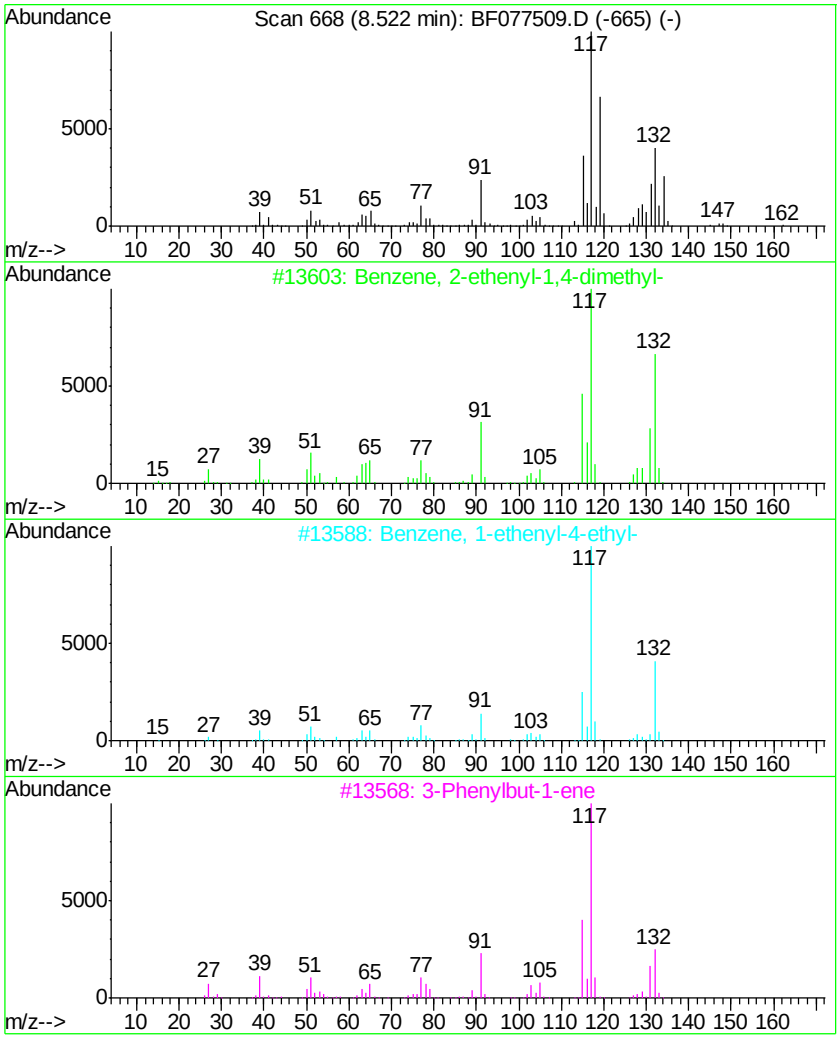
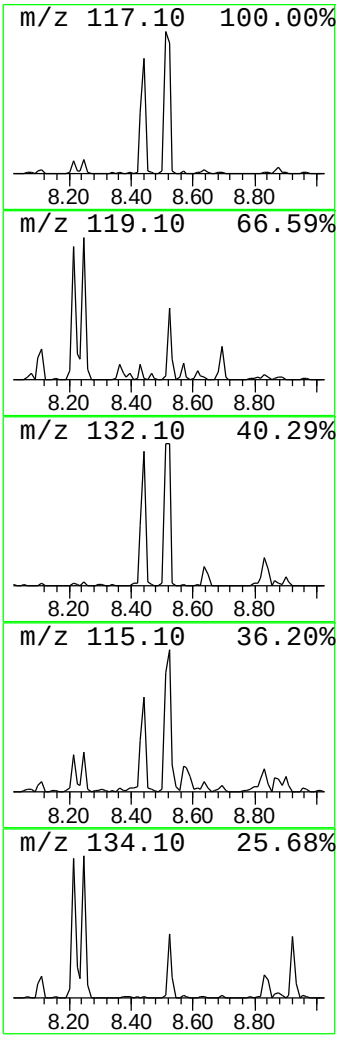
Peak Number 20 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	35.29 ng	1860240	Naphthalene-d8	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	58
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	53
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022715\
Data File : BF077509.D
Acq On : 27 Feb 2015 17:09
Operator : TP/IZ
Sample : G1382-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW2-022515

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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
Furan, tetrahydro-	1.18	18.0	ng	463022	1	7.26	515464	20.0
Benzene, (1-methy...	6.24	21.7	ng	558323	1	7.26	515464	20.0
Benzene, 1-ethyl-...	6.68	119.1	ng	3068900	1	7.26	515464	20.0
unknown6.97	6.97	59.9	ng	1542830	1	7.26	515464	20.0
Indane	7.48	81.3	ng	2095760	1	7.26	515464	20.0
Benzene, 1-methyl...	7.61	19.7	ng	507829	1	7.26	515464	20.0
Benzene, 2-ethyl-...	7.66	57.0	ng	1468800	1	7.26	515464	20.0
1H-Indene, 2,3-di...	8.44	18.0	ng	949772	2	8.84	1054210	20.0
Benzene, 1-etheny...	8.52	35.3	ng	1860240	2	8.84	1054210	20.0