LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

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-BF060416.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	1.770	15	16	20	rVV	287752	356667	7.98%	0.850%
2	1.838	20	22	26	rVB	80932	120625	2.70%	0.287%
3	1.907	26	28	46	rVB	2106696	3835092	85.77%	9.135%
4	2.135	46	48	84	rVB	106666	475742	10.64%	1.133%
5	3.827	193	196	199	rBV	43870	60597	1.36%	0.144%
6	5.039	299	302	306	rBV	166165	203020	4.54%	0.484%
7	5.313	324	326	329	rVB	270928	326180	7.30%	0.777%
8	5.450	333	338	341	rBV2	1724430	2924448	65.41%	6.966%
9	5.690	357	359	362	rVB	805694	720010	16.10%	1.715%
10	6.319	411	414	415	rBV	52185	48762	1.09%	0.116%
11	6.387	418	420	421	rVV	219456	288213	6.45%	0.687%
12	6.410	421	422	424	rVV	168847	154561	3.46%	0.368%
13	6.479	424	428	431	rVV	983975	1026743	22.96%	2.446%
14	6.547	431	434	435	rVV	121081	118377	2.65%	0.282%
15	6.627	438	441	443	rBV	2740546	2863668	64.05%	6.821%
16	6.684	444	446	449	rVB	676317	586249	13.11%	1.396%
17	6.856	459	461	465	rBV	837627	765754	17.13%	1.824%
18	6.913	465	466	469	rBV2	128028	189620	4.24%	0.452%
19	7.016	472	475	477	rBV	2687839	2597610	58.10%	6.187%
20	7.119	482	484	486	rBV	571510	503825	11.27%	1.200%
21	7.427	507	511	513	rVB	2115319	2451301	54.82%	5.839%
22	7.816	542	545	548	rVB2	39215	55501	1.24%	0.132%
23	7.896	548	552	553	rVV3	212208	277425	6.20%	0.661%
24	7.930	553	555	559	rVV	224713	354614	7.93%	0.845%
25	8.170	571	576	578	rBV2	3477365	4471166	100.00%	10.650%
26	8.216	578	580	582	rVB	75059	62737	1.40%	0.149%
27	8.650	613	618	619	rVV2	27944	54760	1.22%	0.130%
28	8.856	634	636	638	rVB	411788	340629	7.62%	0.811%
29	8.959	642	645	647	rBV	469984	476895	10.67%	1.136%
30	9.222	665	668	671	rVB	2987795	3905822	87.36%	9.304%
31	9.325	673	677	678	rBV	67641	71258	1.59%	0.170%
32	9.416	683	685	688	rVB2	29998	60248	1.35%	0.144%
33	9.553	695	697	700	rVV	50301	72573	1.62%	0.173%
34	9.622	700	703	704	rVV	309821	368484	8.24%	0.878%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

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-BF060416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.668	704	707	710	rVV2	25168	59943	1.34%	0.143%
36	9.759	713	715	717	rVB	156267	142177	3.18%	0.339%
37	9.896	725	727	729	rBV	1166322	1153933	25.81%	2.749%
38	9.931	729	730	731	rVB	439269	304788	6.82%	0.726%
39	10.136	746	748	752	rVB	42566	46072	1.03%	0.110%
40	10.445	773	775	778	rVB	66170	67836	1.52%	0.162%
41	10.525	778	782	783	rBV2	33676	73753	1.65%	0.176%
42	10.559	783	785	788	rVB4	25432	50890	1.14%	0.121%
43	10.685	793	796	799	rVV	2068619	2316962	51.82%	5.519%
44	10.765	801	803	805	rVV2	31098	49158	1.10%	0.117%
45	10.811	805	807	811	rVB	72663	95954	2.15%	0.229%
46	11.382	854	857	858	rBV	1280102	1194150	26.71%	2.844%
47	11.405	858	859	860	rVB	76567	52777	1.18%	0.126%
48	11.965	905	908	909	rVV2	33459	56680	1.27%	0.135%
49	12.799	979	981	986	rBV3	49427	79718	1.78%	0.190%
50	12.971	993	996	998	rBV	3151696	3254537	72.79%	7.752%
51	13.874	1072	1075	1079	rBV	54887	70613	1.58%	0.168%
52	14.011	1084	1087	1089	rBV	1146123	1010269	22.60%	2.406%
53	15.440	1209	1212	1215	rBV	599995	712226	15.93%	1.697%

Sum of corrected areas: 41981612

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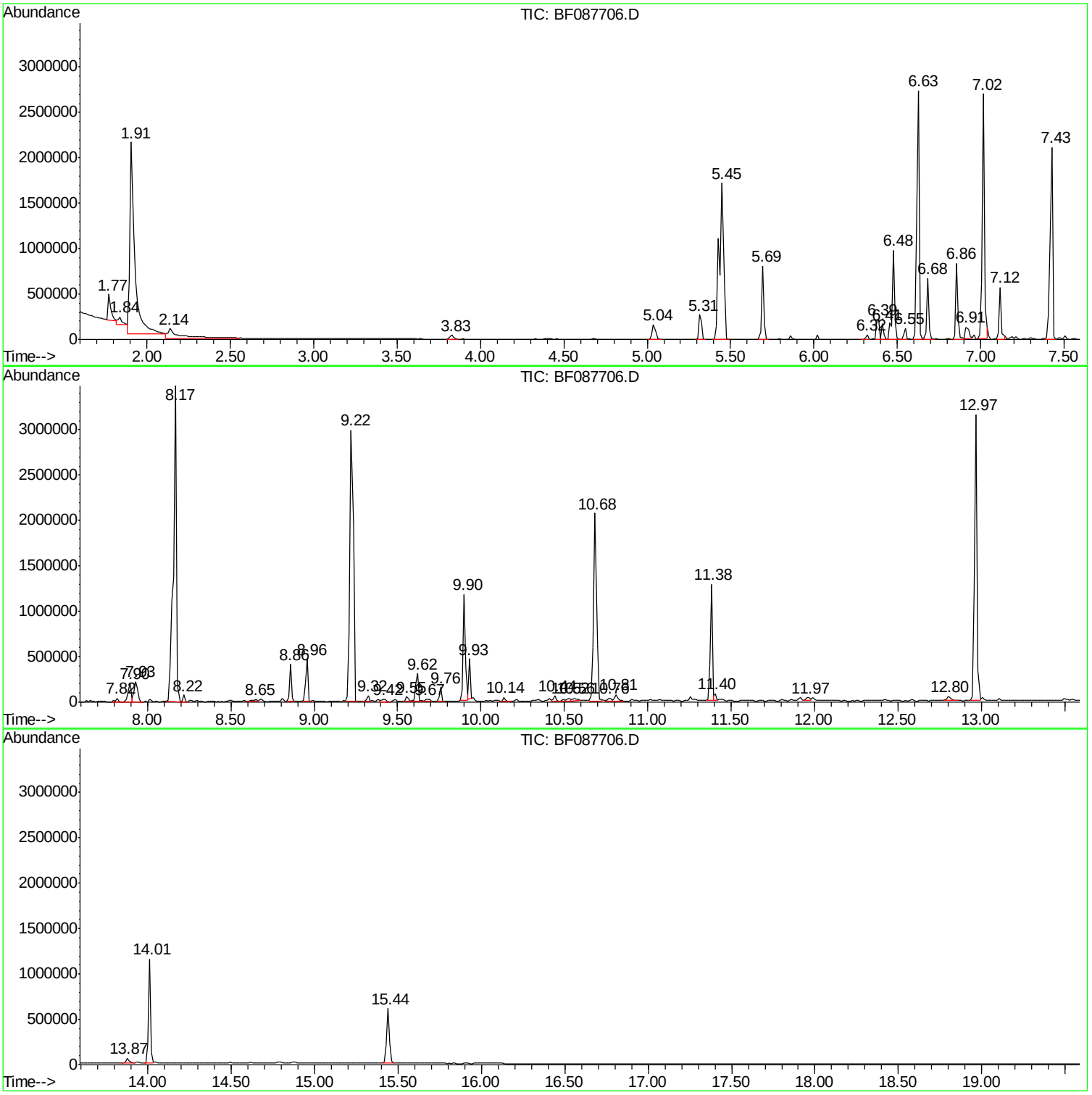
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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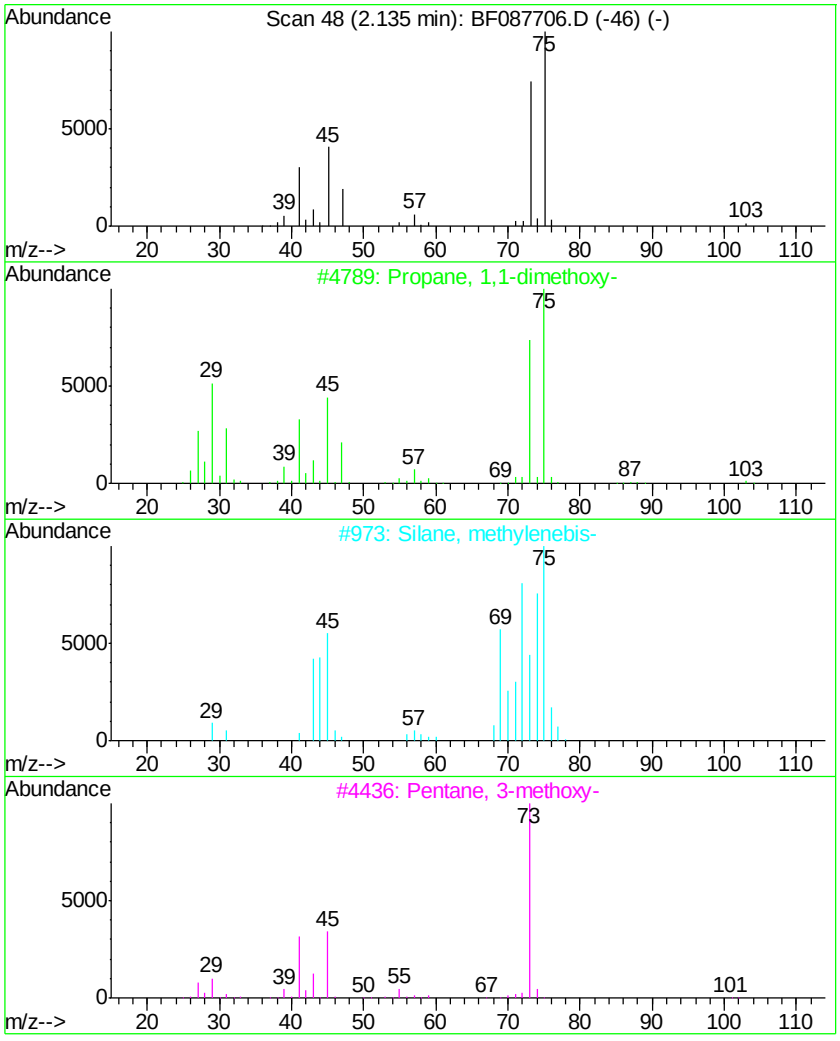
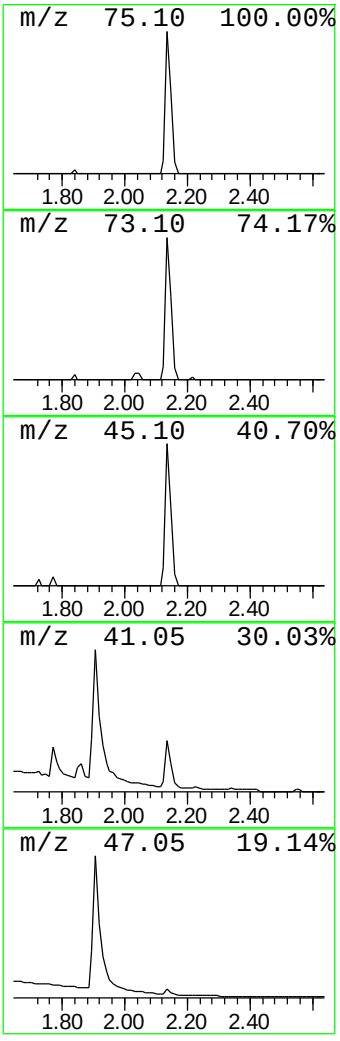
Peak Number 4 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	12.43 ng	475742	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Silane, methylenebis-	76	CH8Si2	001759-88-2	64
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	16
4	Ethane, 1,1,2-trimethoxy-	120	C5H12O3	024332-20-5	9
5	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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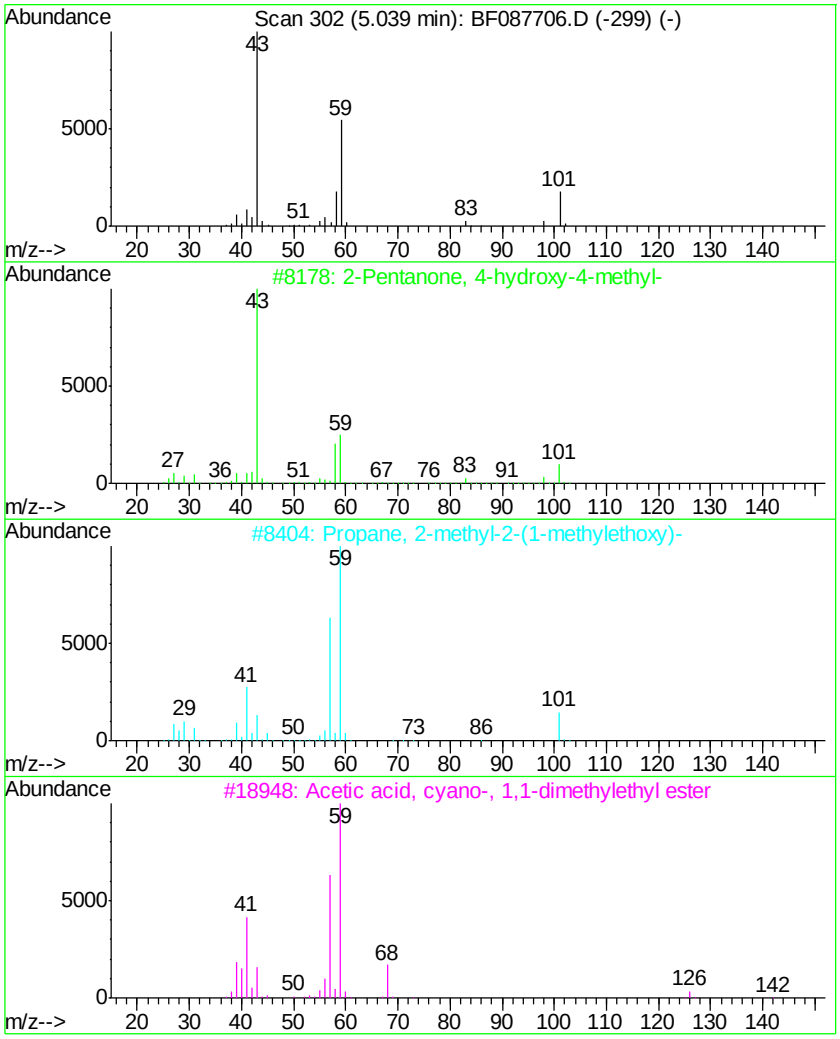
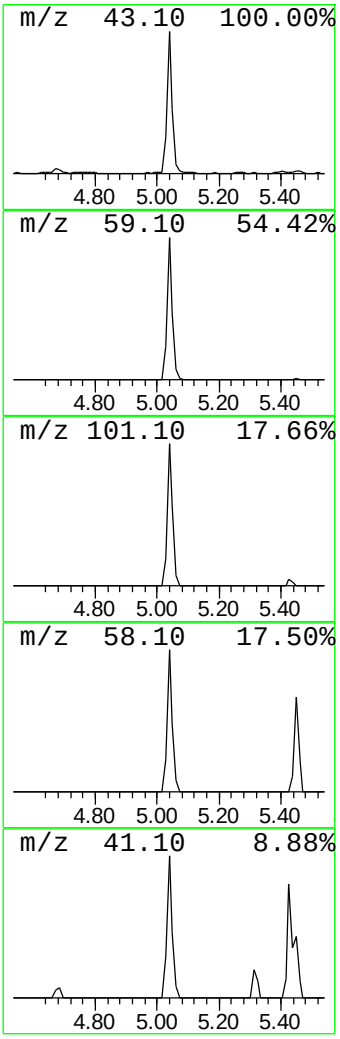
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	5.30 ng	203020	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

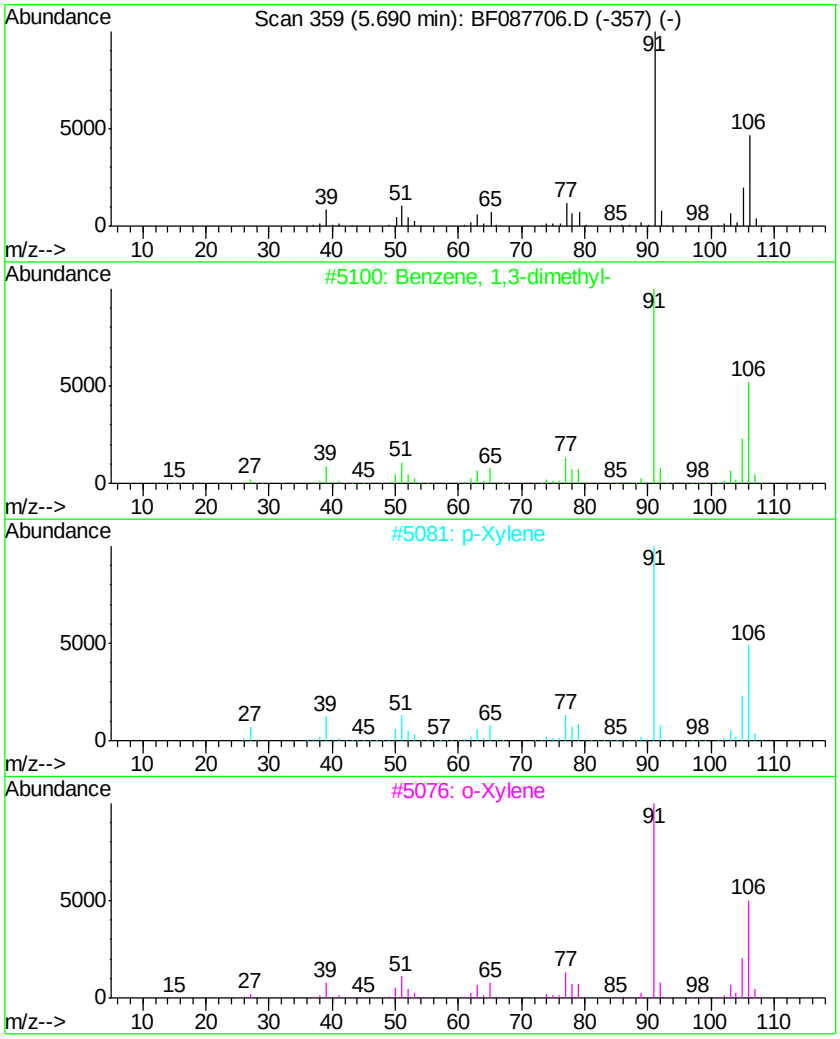
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

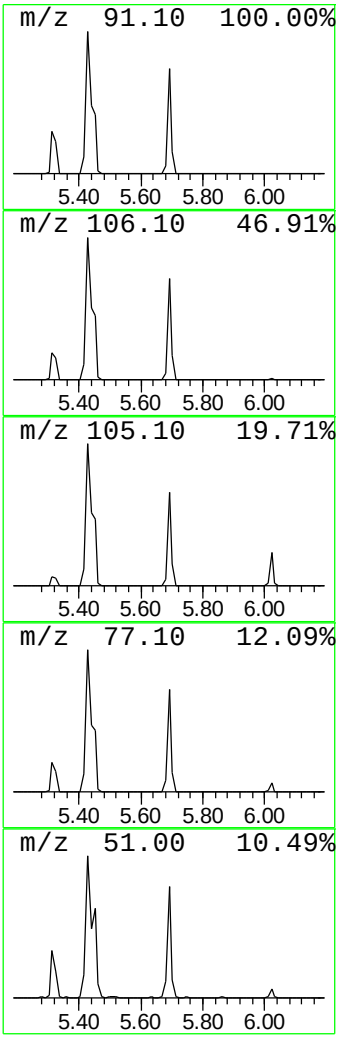
****

Peak Number 7 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	18.81 ng	720010	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	Ethylbenzene	106	C8H10	000100-41-4	87
5	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
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Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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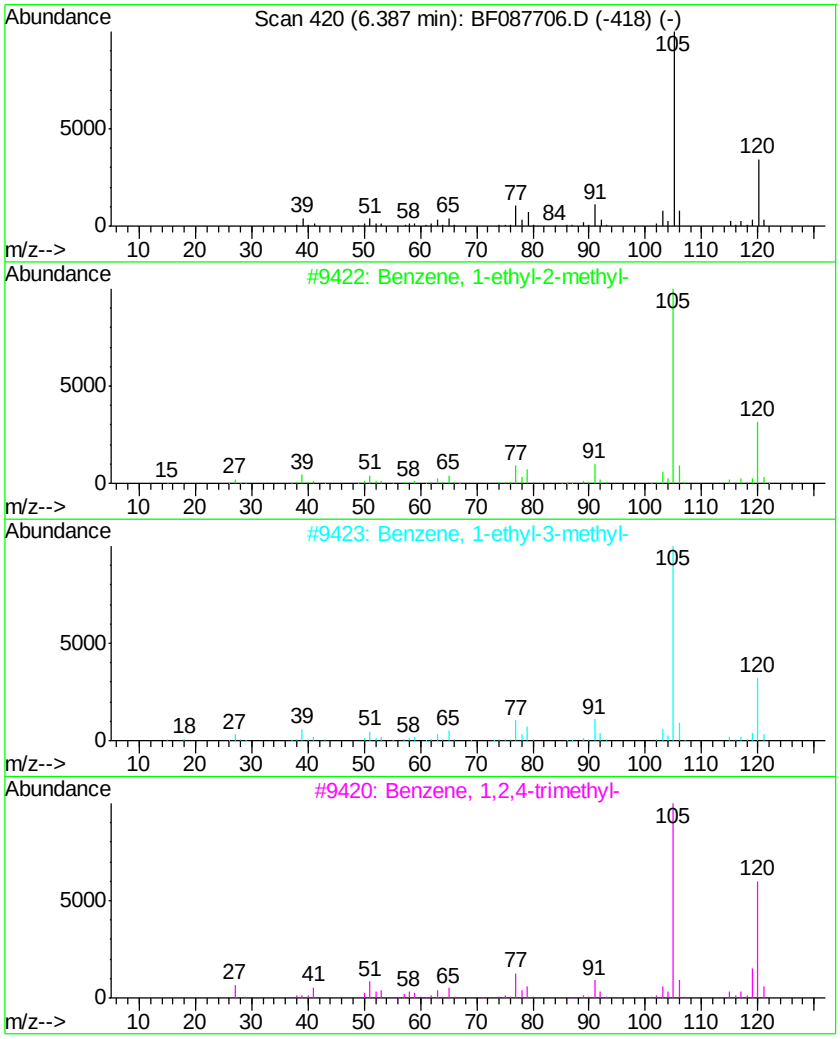
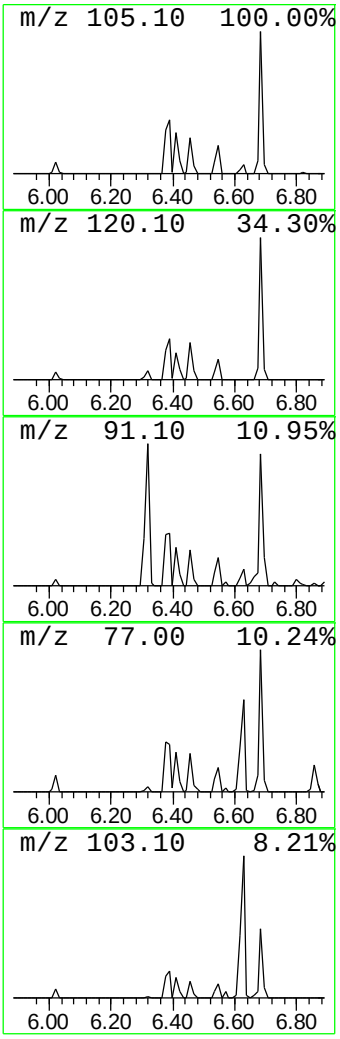
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	7.53 ng	288213	1,4-Dichlorobenzene-d4	6.86

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

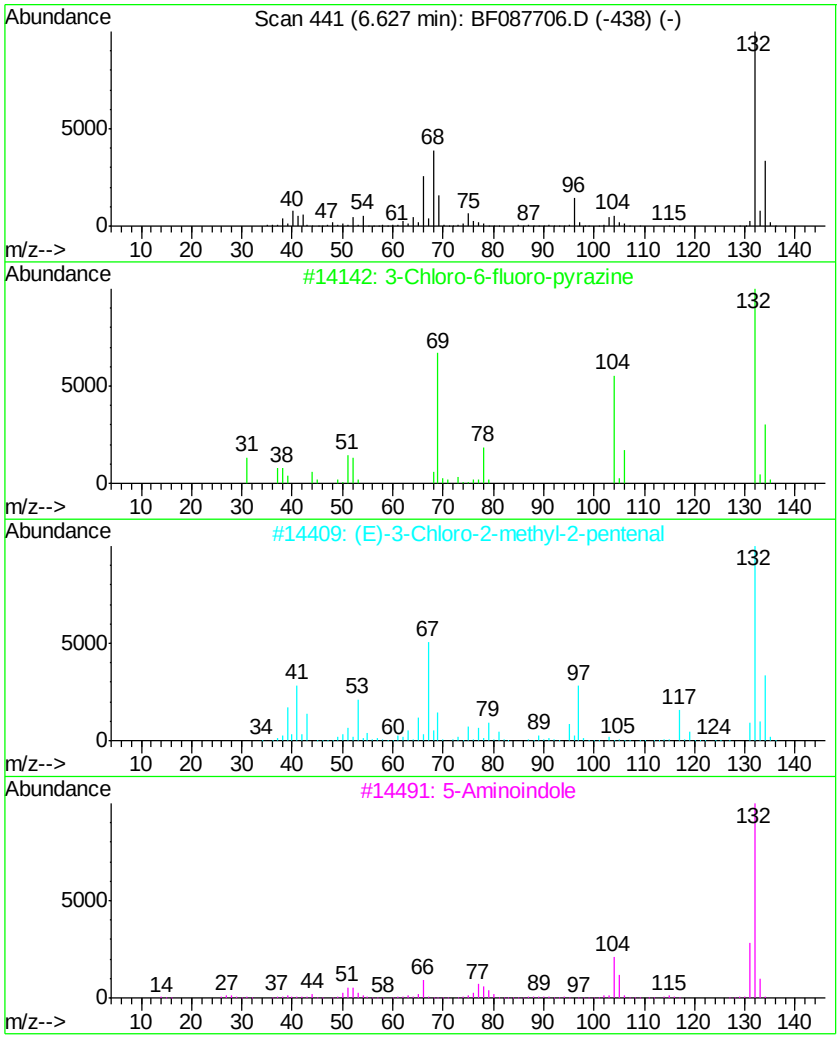
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

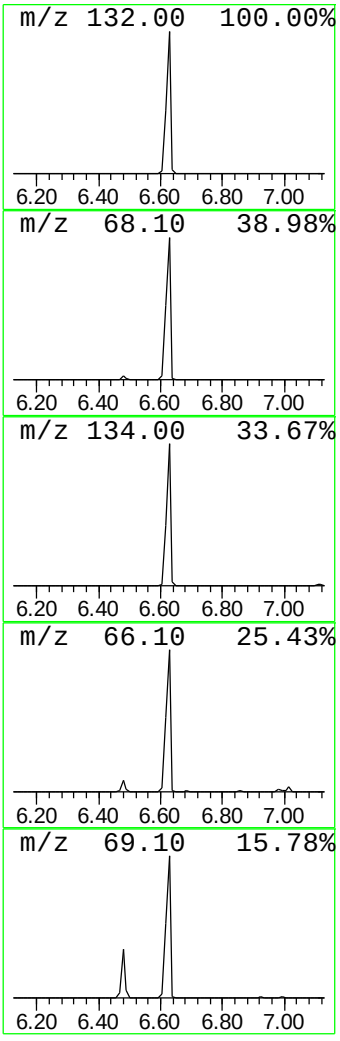
****

Peak Number 11 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	74.79 ng	2863670	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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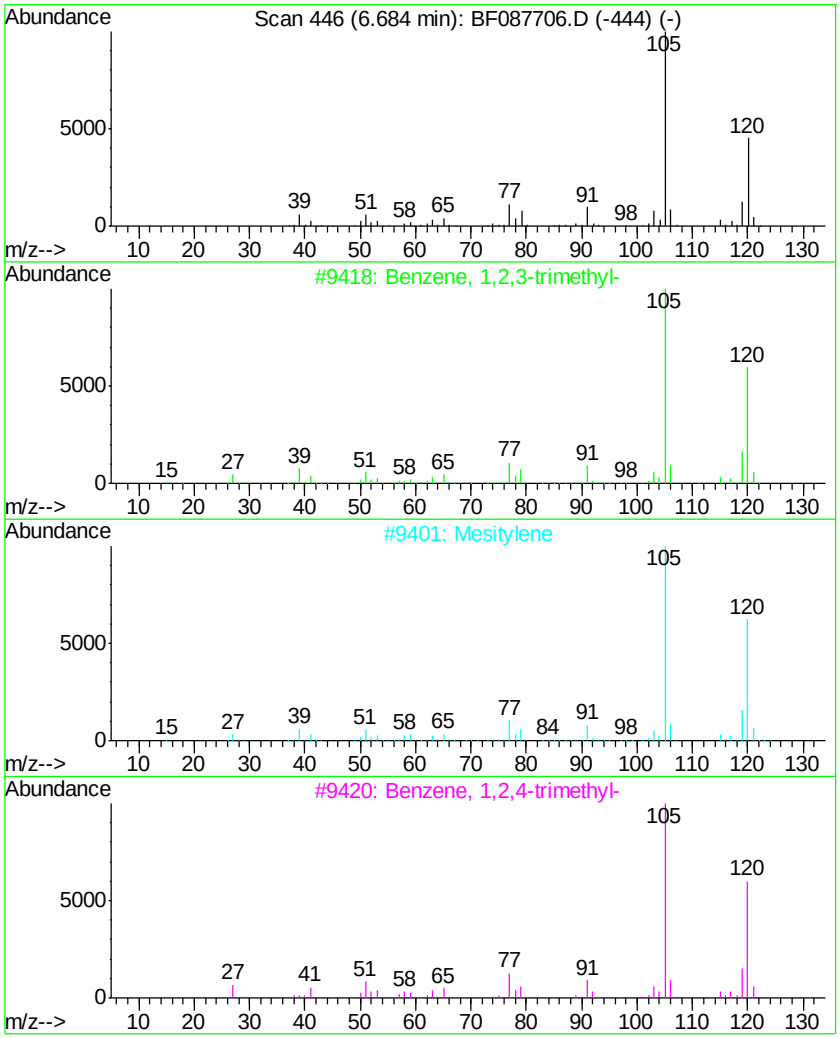
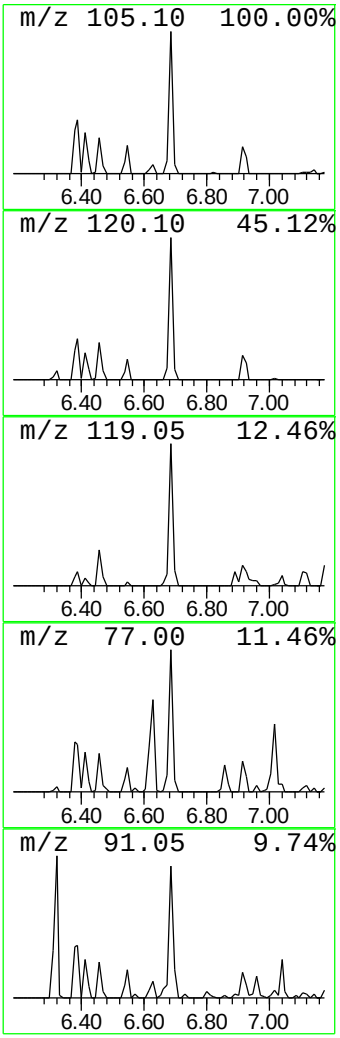
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	15.31 ng	586249	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

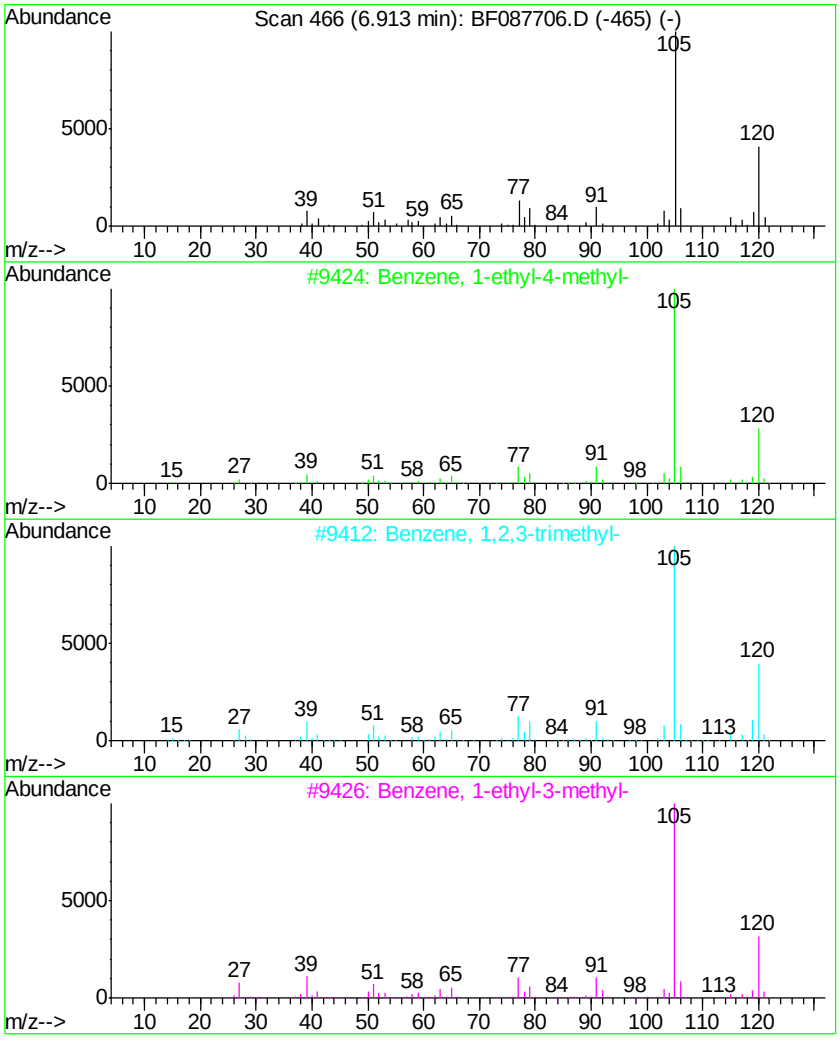
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

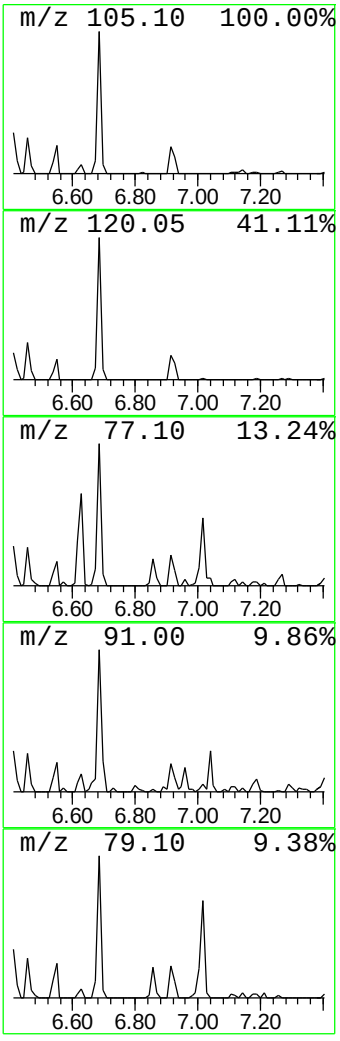
****

Peak Number 13 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	4.95 ng	189620	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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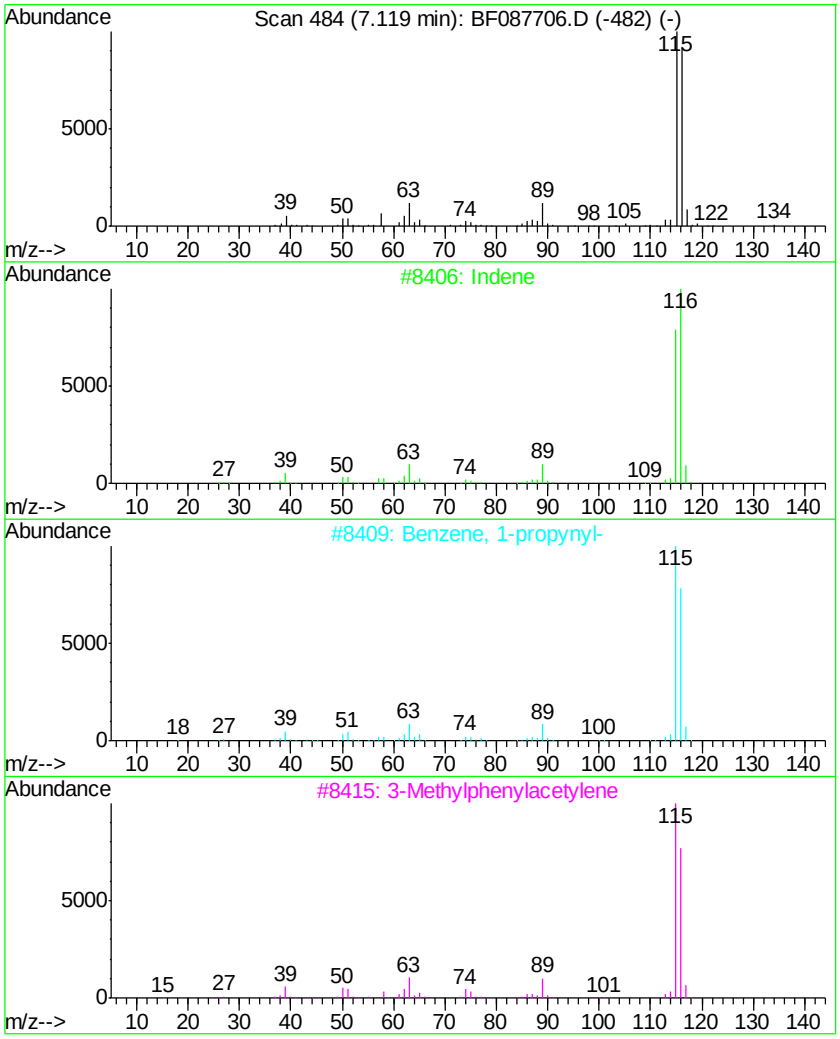
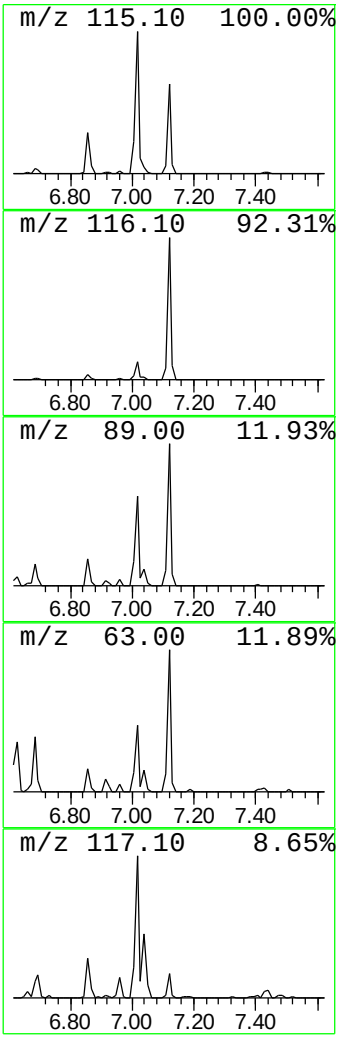
Peak Number 15 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	13.16 ng	503825	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

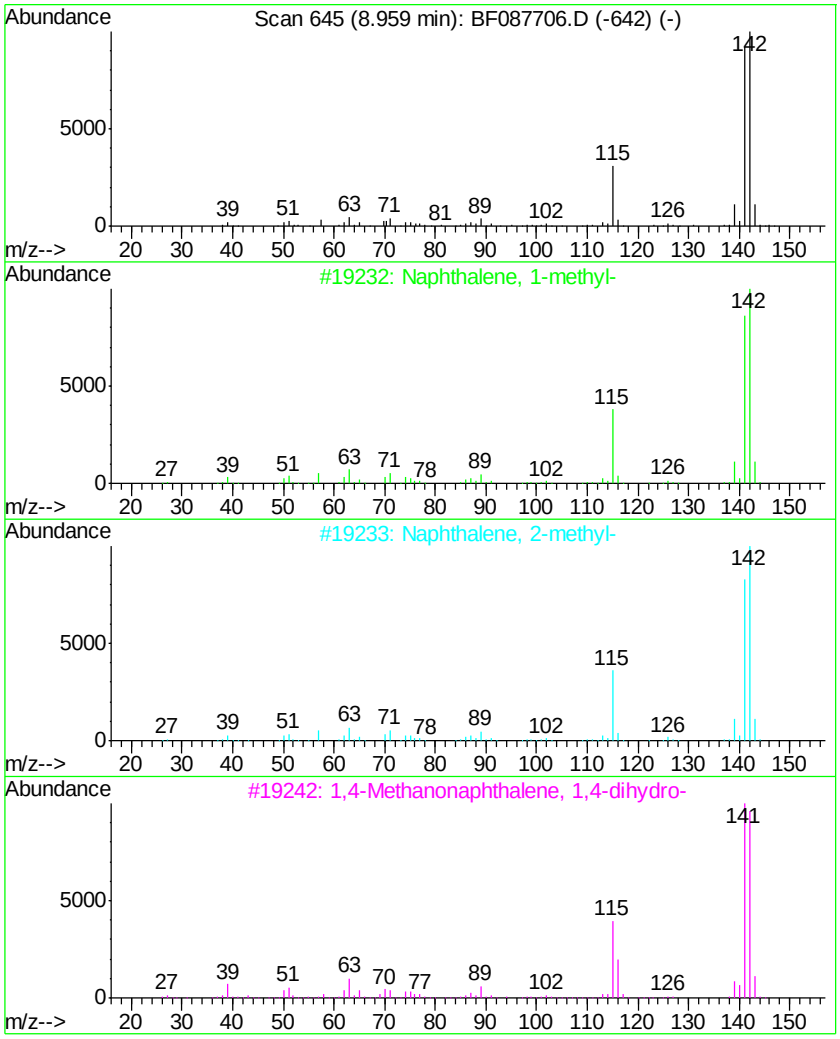
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

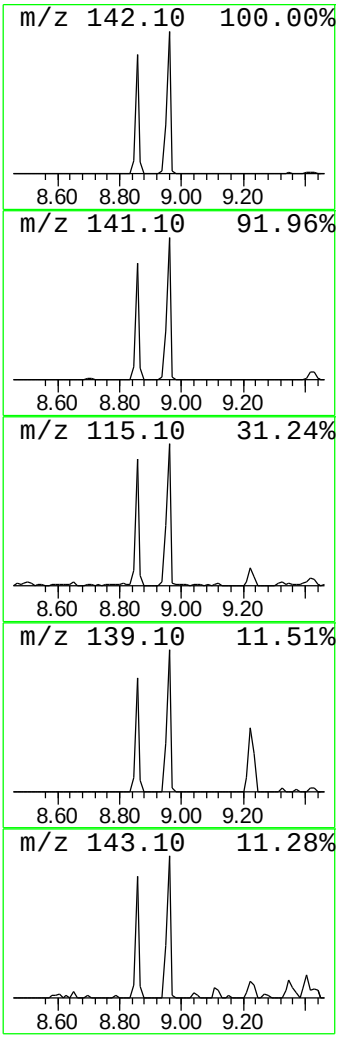
****

Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	2.13 ng	476895	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
Data File : BF087706.D
Acq On : 5 Jun 2016 14:19
Operator : UM/SJ
Sample : H3346-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-201605B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-dime...	2.14	12.4	ng	475742	1	6.86	765754	20.0
2-Pentanone, 4-hy...	5.04	5.3	ng	203020	1	6.86	765754	20.0
Benzene, 1,3-dime...	5.69	18.8	ng	720010	1	6.86	765754	20.0
Benzene, 1-ethyl-...	6.39	7.5	ng	288213	1	6.86	765754	20.0
unknown6.63	6.63	74.8	ng	2863670	1	6.86	765754	20.0
Benzene, 1,2,3-tr...	6.68	15.3	ng	586249	1	6.86	765754	20.0
Benzene, 1-ethyl-...	6.91	5.0	ng	189620	1	6.86	765754	20.0
Indene	7.12	13.2	ng	503825	1	6.86	765754	20.0
Naphthalene, 1-me...	8.96	2.1	ng	476895	2	8.15	4471170	20.0