LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083976.D
Acq On : 20 Dec 2015 3:35
Operator : UM/SJ
Sample : G4855-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM(78-115)COMPOSITE

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-BF121815.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	2.235	11	13	15	rVB	3016442	4118784	100.00%	14.925%
2	2.372	20	25	28	rVB	86717	164083	3.98%	0.595%
3	4.396	200	202	211	rBV	368220	534496	12.98%	1.937%
4	5.047	256	259	267	rVB	301095	544743	13.23%	1.974%
5	5.481	294	297	299	rBV	1919046	2050158	49.78%	7.429%
6	6.499	383	386	389	rBV	1690290	1704815	41.39%	6.178%
7	6.624	394	397	400	rBV	2227941	2097316	50.92%	7.600%
8	6.853	415	417	419	rBV	320880	364070	8.84%	1.319%
9	7.002	428	430	433	rBV	1121350	1531219	37.18%	5.549%
10	7.104	437	439	442	rBB	125528	131089	3.18%	0.475%
11	7.413	463	466	468	rBV	1198675	1187566	28.83%	4.303%
12	8.156	526	531	533	rBV2	1956854	2368182	57.50%	8.582%
13	8.202	533	535	538	rVB	83607	73203	1.78%	0.265%
14	8.842	589	591	594	rBV	290286	266055	6.46%	0.964%
15	8.945	597	600	602	rVB	176515	166981	4.05%	0.605%
16	9.207	620	623	626	rBV	2615882	2710859	65.82%	9.824%
17	9.310	630	632	634	rVB	54684	58760	1.43%	0.213%
18	9.882	680	682	684	rBV	758610	740702	17.98%	2.684%
19	9.916	684	685	687	rVB	356587	259804	6.31%	0.941%
20	10.088	698	700	703	rBV	179106	160507	3.90%	0.582%
21	10.430	728	730	732	rVB	161455	131541	3.19%	0.477%
22	10.670	748	751	754	rBV	1444446	1703705	41.36%	6.174%
23	11.368	809	812	813	rBV	667683	648541	15.75%	2.350%
24	11.391	813	814	816	rVB	124225	88705	2.15%	0.321%
25	11.596	830	832	835	rVB	51912	42422	1.03%	0.154%
26	12.956	948	951	953	rBV	2500870	2812402	68.28%	10.191%
27	13.996	1040	1042	1045	rBV	477538	498782	12.11%	1.807%
28	15.437	1165	1168	1174	rVB	305108	436162	10.59%	1.581%

Sum of corrected areas: 27595652

LSC Report - Integrated Chromatogram

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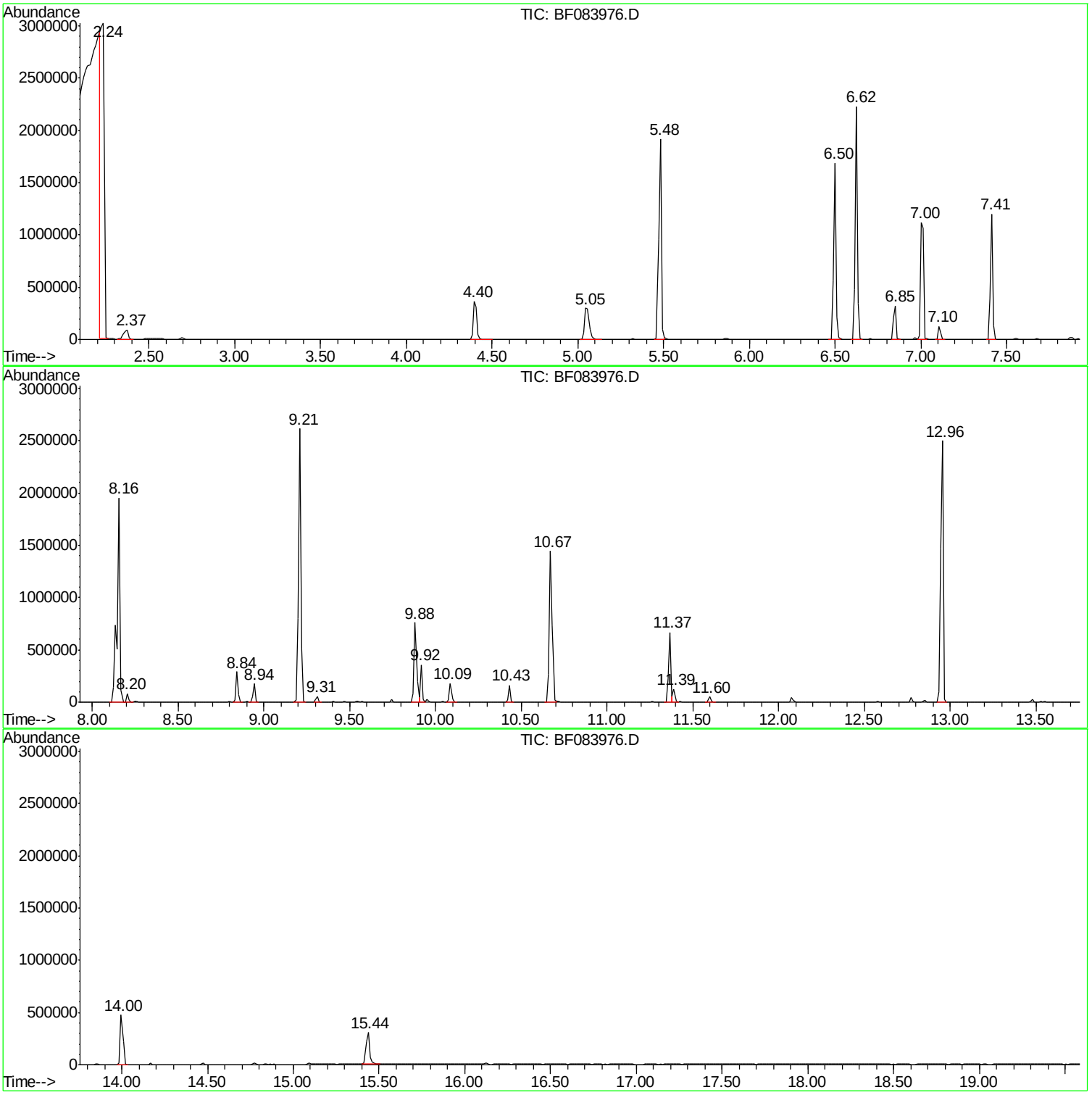
Operator : UM/SJ
Sample : G4855-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF122015\
Data File : BF083976.D
Acq On : 20 Dec 2015 3:35
Operator : UM/SJ
Sample : G4855-02
Misc :
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Instrument : BNA_F
ClientSampleId : DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

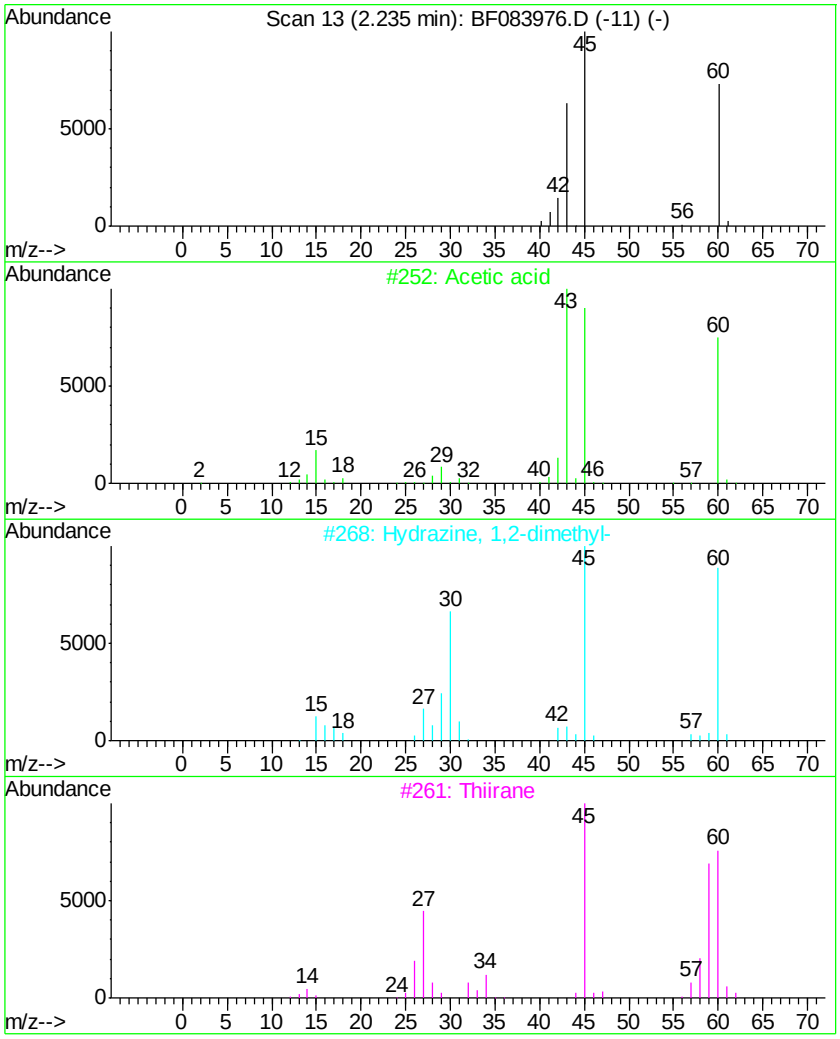
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

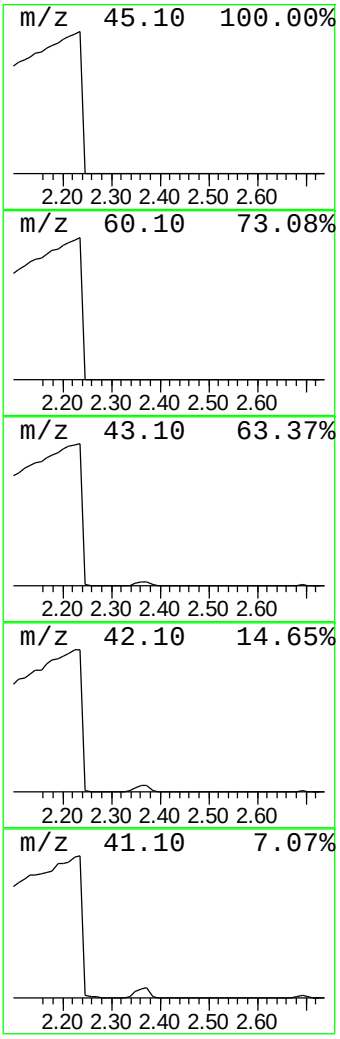
****

Peak Number 1 Acetic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	226.26 ng	4118780	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	78
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Thiirane	60	C2H4S	000420-12-2	5
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	5
5	Urea	60	CH4N2O	000057-13-6	4





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Data File : BF083976.D
Acq On : 20 Dec 2015 3:35
Operator : UM/SJ
Sample : G4855-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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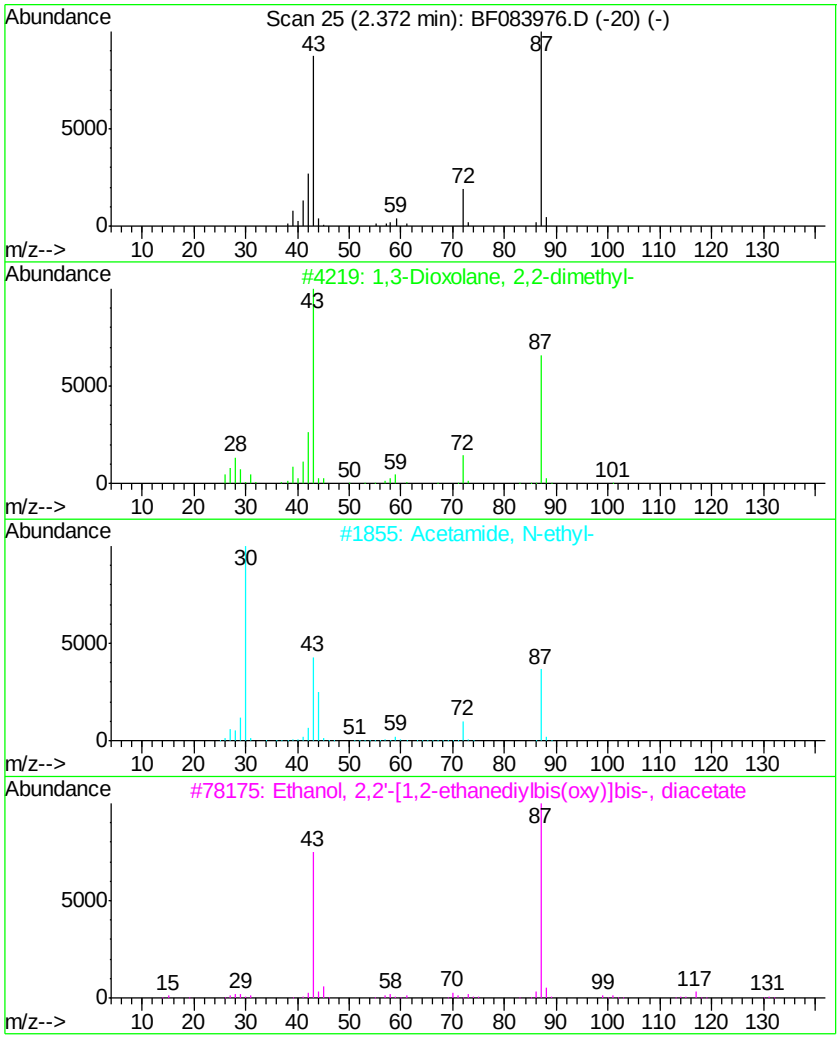
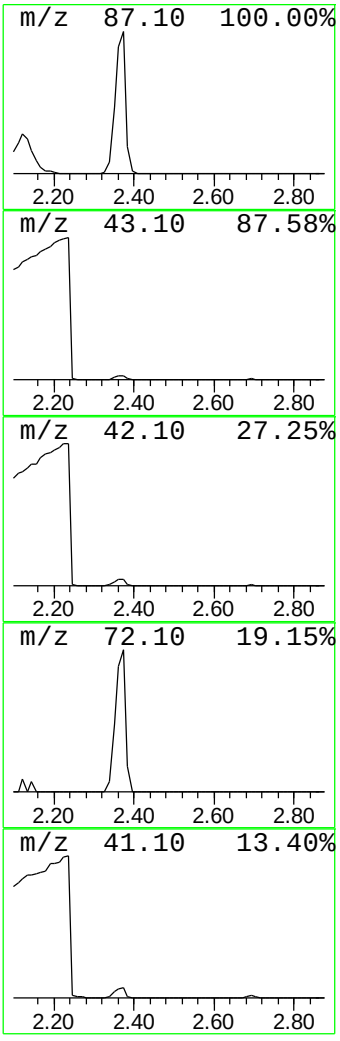
Peak Number 2 1,3-Dioxolane, 2,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.37	9.01 ng	164083	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2,2-dimethyl-	102	C5H10O2	002916-31-6	78
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	72
3	Ethanol, 2,2'-[1,2-ethanediylbis...	234	C10H18O6	000111-21-7	53
4	Ethanol, 2,2'-oxybis-, diacetate	190	C8H14O5	000628-68-2	42
5	2-Oxazolidone	87	C3H5NO2	000497-25-6	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083976.D
Acq On : 20 Dec 2015 3:35
Operator : UM/SJ
Sample : G4855-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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TIC Library : C:\DATABASE\NIST02.L
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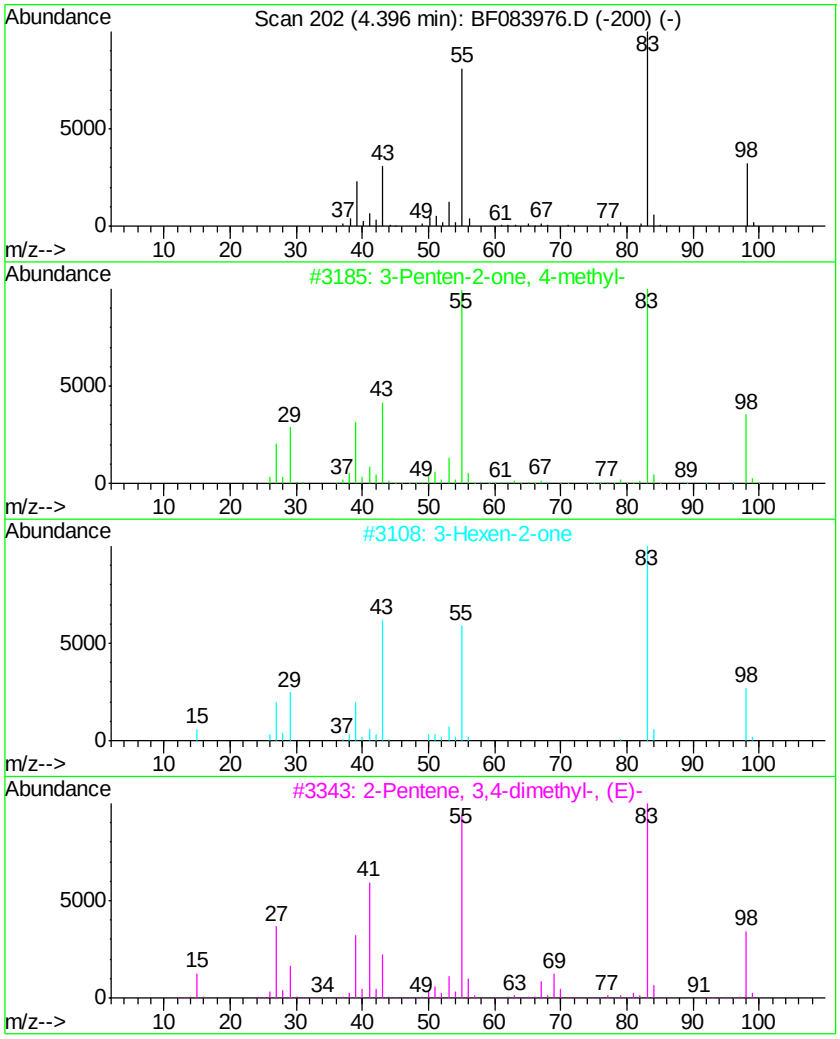
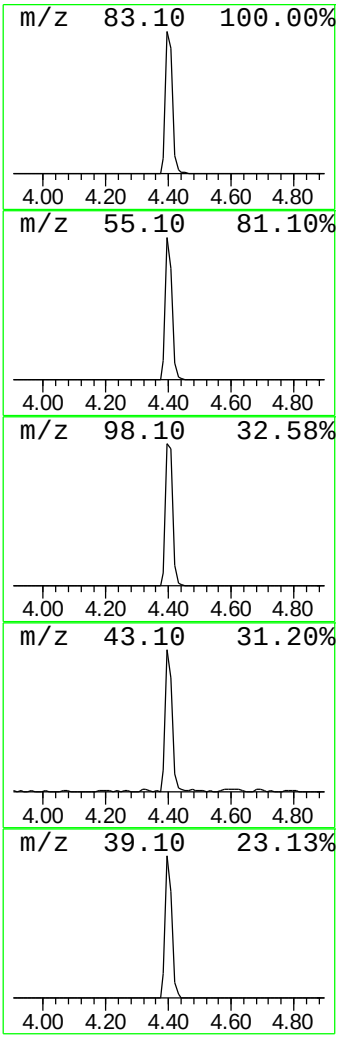
Peak Number 3 3-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	29.36 ng	534496	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86





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Operator : UM/SJ
Sample : G4855-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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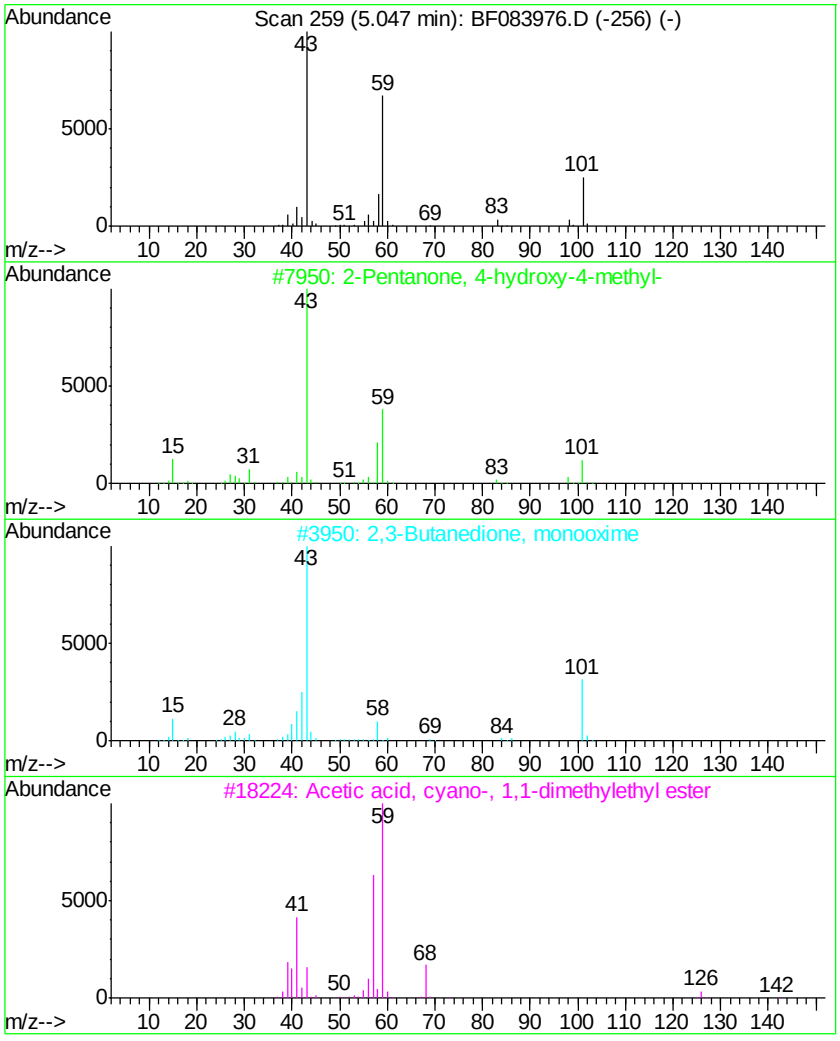
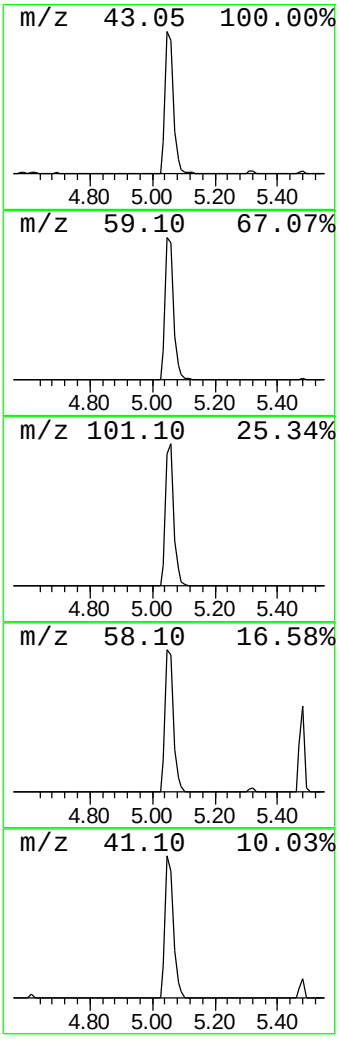
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	29.93 ng	544743	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
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Sample : G4855-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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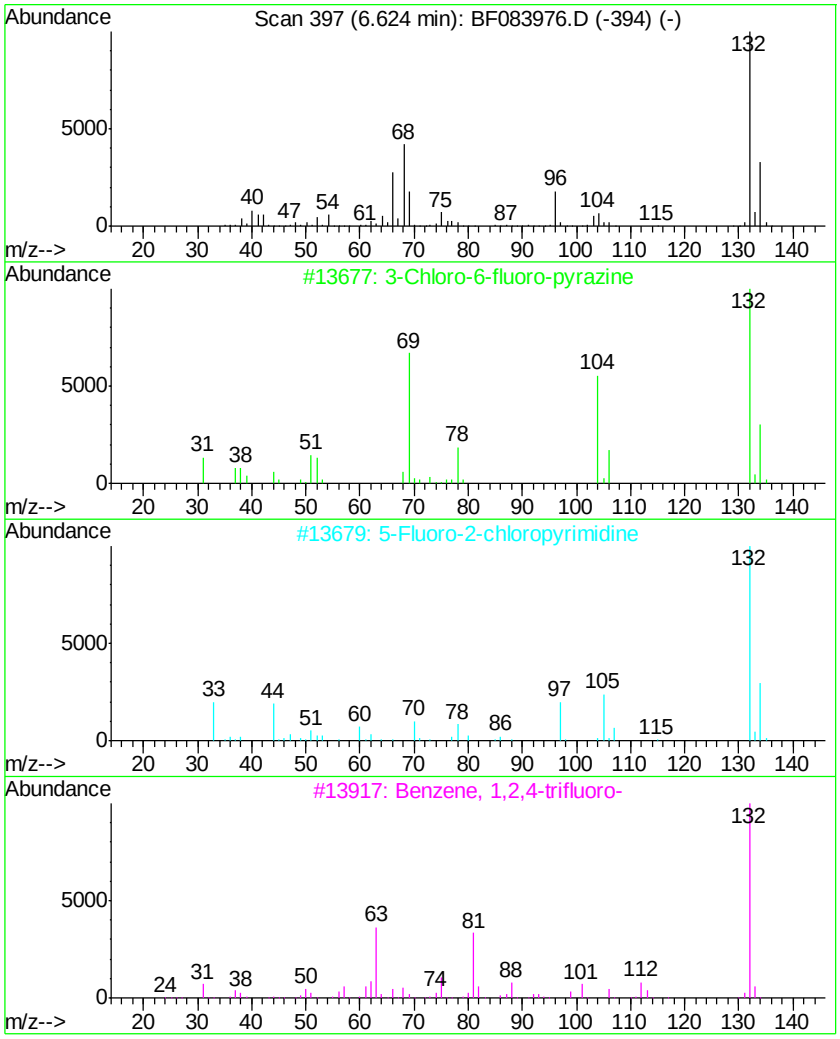
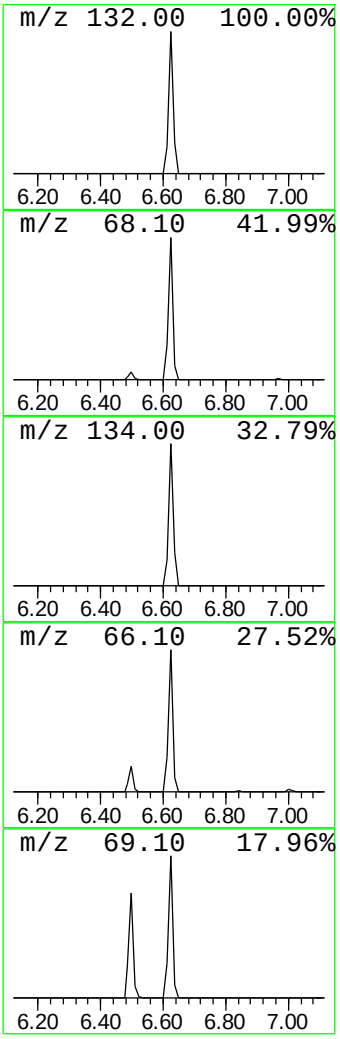
Peak Number 5 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	115.22 ng	2097320	1,4-Dichlorobenzene-d4	6.85

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	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM(78-115)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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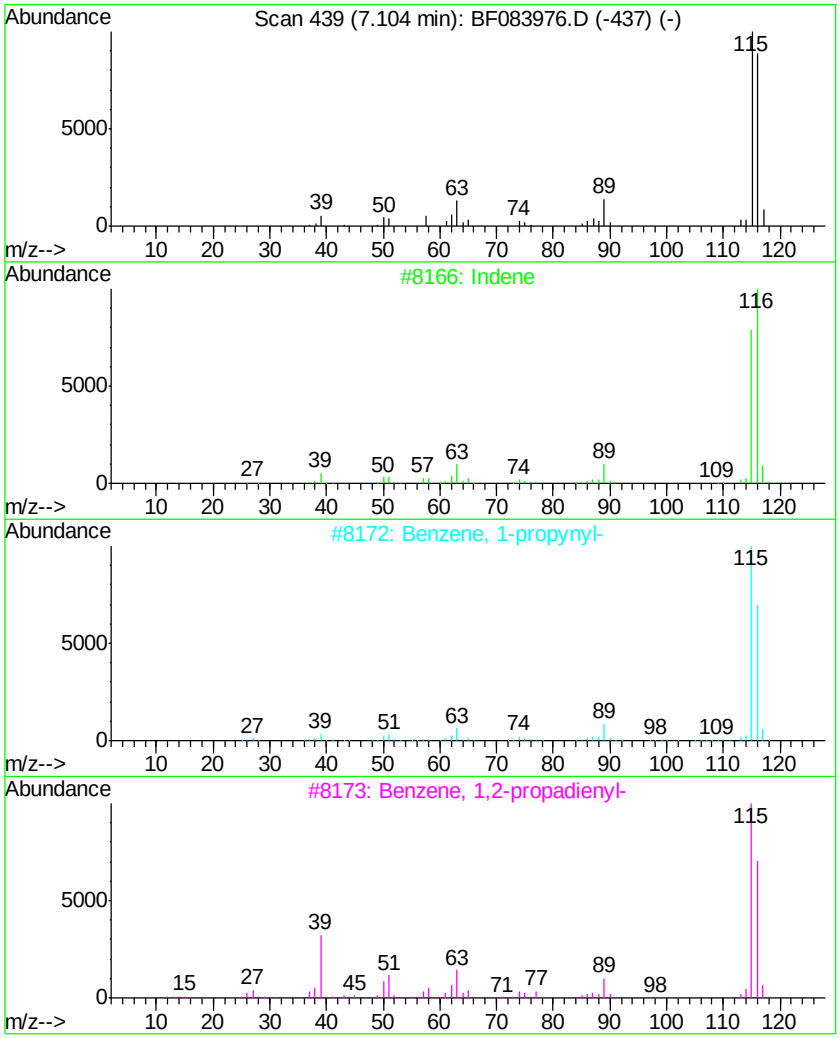
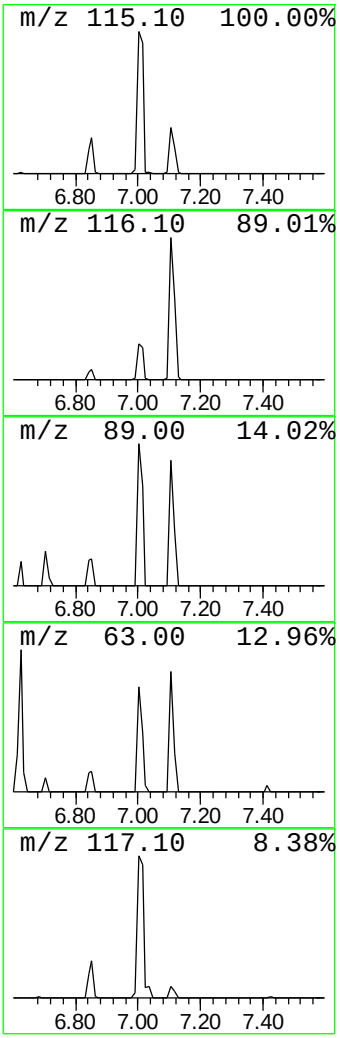
Peak Number 7 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	7.20 ng	131089	1,4-Dichlorobenzene-d4	6.85

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	95
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	90





Tentatively Identified Compound (LSC) summary

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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
Acetic acid	2.24	226.3	ng	4118780	1	6.85	364070	20.0
1,3-Dioxolane, 2,...	2.37	9.0	ng	164083	1	6.85	364070	20.0
3-Penten-2-one, 4...	4.40	29.4	ng	534496	1	6.85	364070	20.0
2-Pentanone, 4-hy...	5.05	29.9	ng	544743	1	6.85	364070	20.0
unknown6.62	6.62	115.2	ng	2097320	1	6.85	364070	20.0
Indene	7.10	7.2	ng	131089	1	6.85	364070	20.0