LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091020.D
Acq On : 4 Nov 2016 12:07
Operator : UM/SJ
Sample : H5509-29
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-DUP-110116

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-BF110316.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	1.778	6	8	33	rVB	2842310	6678987	88.57%	9.684%
2	2.144	33	40	49	rVV	2659833	4489659	59.54%	6.510%
3	4.853	274	277	286	rBV	651754	959435	12.72%	1.391%
4	5.299	313	316	318	rBV	3679372	4183823	55.48%	6.066%
5	5.653	343	347	350	rBV	2829920	4943349	65.56%	7.167%
6	6.350	405	408	410	rBV	3252934	3463152	45.93%	5.021%
7	6.476	416	419	421	rBV	4691937	5786839	76.74%	8.390%
8	6.510	421	422	424	rVV	149635	206384	2.74%	0.299%
9	6.544	424	425	431	rVB	210589	210472	2.79%	0.305%
10	6.704	436	439	441	rBV	858388	1056860	14.02%	1.532%
11	6.853	450	452	455	rBV	3663286	4836916	64.15%	7.013%
12	7.276	485	489	491	rBV	3295702	4384844	58.15%	6.358%
13	7.356	495	496	503	rVB2	54509	93919	1.25%	0.136%
14	7.745	525	530	541	rVB2	63092	149285	1.98%	0.216%
15	7.985	549	551	561	rVB	1360969	1612005	21.38%	2.337%
16	8.350	580	583	593	rBV2	55338	121854	1.62%	0.177%
17	9.070	642	646	648	rBV	6030676	6984908	92.63%	10.128%
18	9.745	701	705	706	rBV	1234303	1743063	23.12%	2.527%
19	10.533	770	774	776	rBV	3796516	4368336	57.93%	6.334%
20	11.219	832	834	838	rBV2	1816503	2001436	26.54%	2.902%
21	11.299	838	841	847	rVB3	50948	103811	1.38%	0.151%
22	11.459	851	855	859	rBV2	69037	92157	1.22%	0.134%
23	12.431	937	940	942	rBV	121148	122180	1.62%	0.177%
24	12.648	956	959	962	rBV2	76818	139685	1.85%	0.203%
25	12.819	970	974	976	rBV	5035197	7540564	100.00%	10.933%
26	13.848	1062	1064	1067	rBV	1207767	1458653	19.34%	2.115%
27	15.242	1183	1186	1188	rBV	881775	1056992	14.02%	1.533%
28	16.694	1309	1313	1319	rVB	34613	99507	1.32%	0.144%
29	17.448	1374	1379	1386	rBV2	25000	80232	1.06%	0.116%

Sum of corrected areas: 68969307

LSC Report - Integrated Chromatogram

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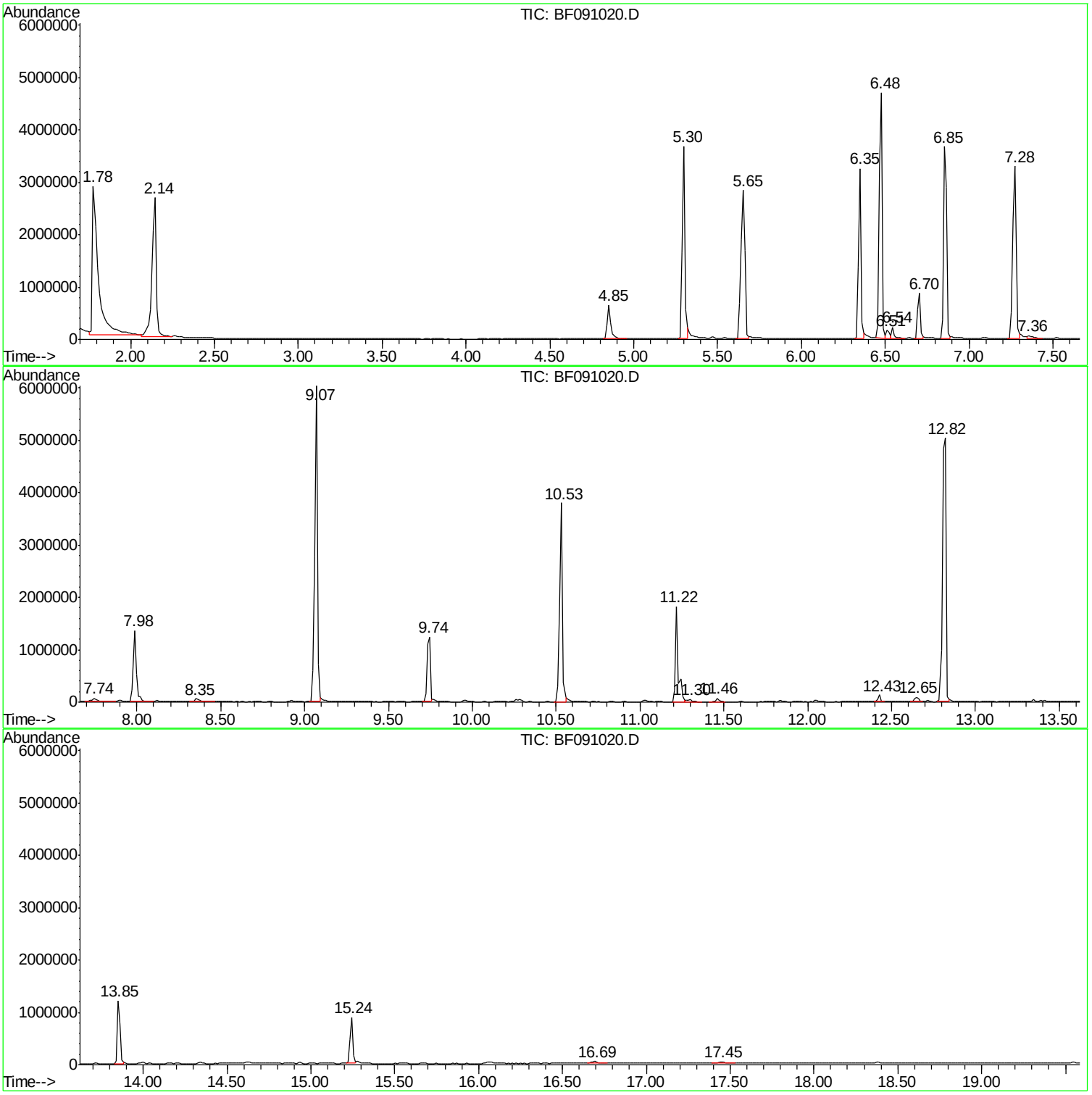
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-DUP-110116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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\BF110416\
Data File : BF091020.D
Acq On : 4 Nov 2016 12:07
Operator : UM/SJ
Sample : H5509-29
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-DUP-110116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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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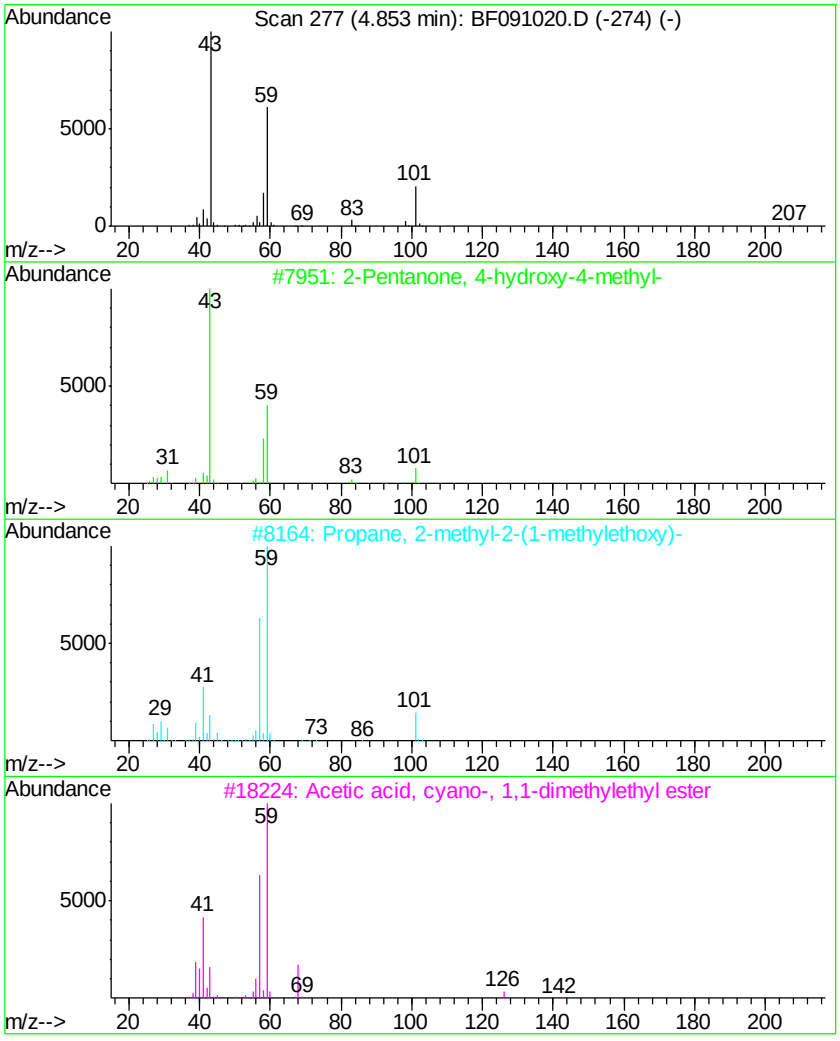
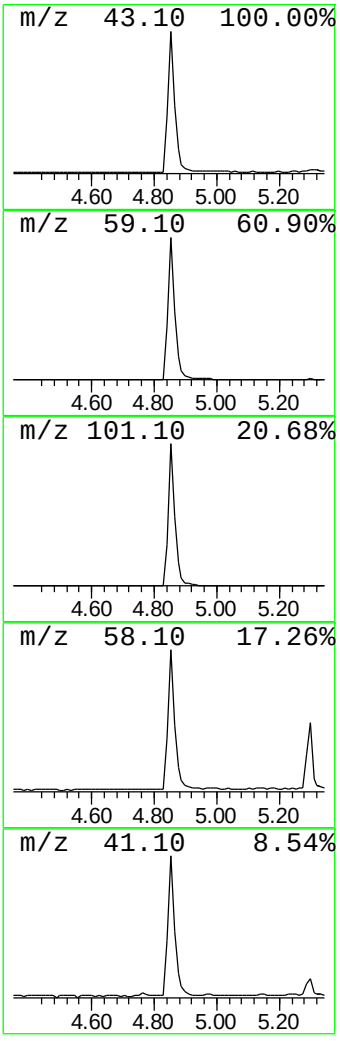
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	18.16 ng	959435	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetone	58	C3H6O	000067-64-1	9





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Operator : UM/SJ
Sample : H5509-29
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-DUP-110116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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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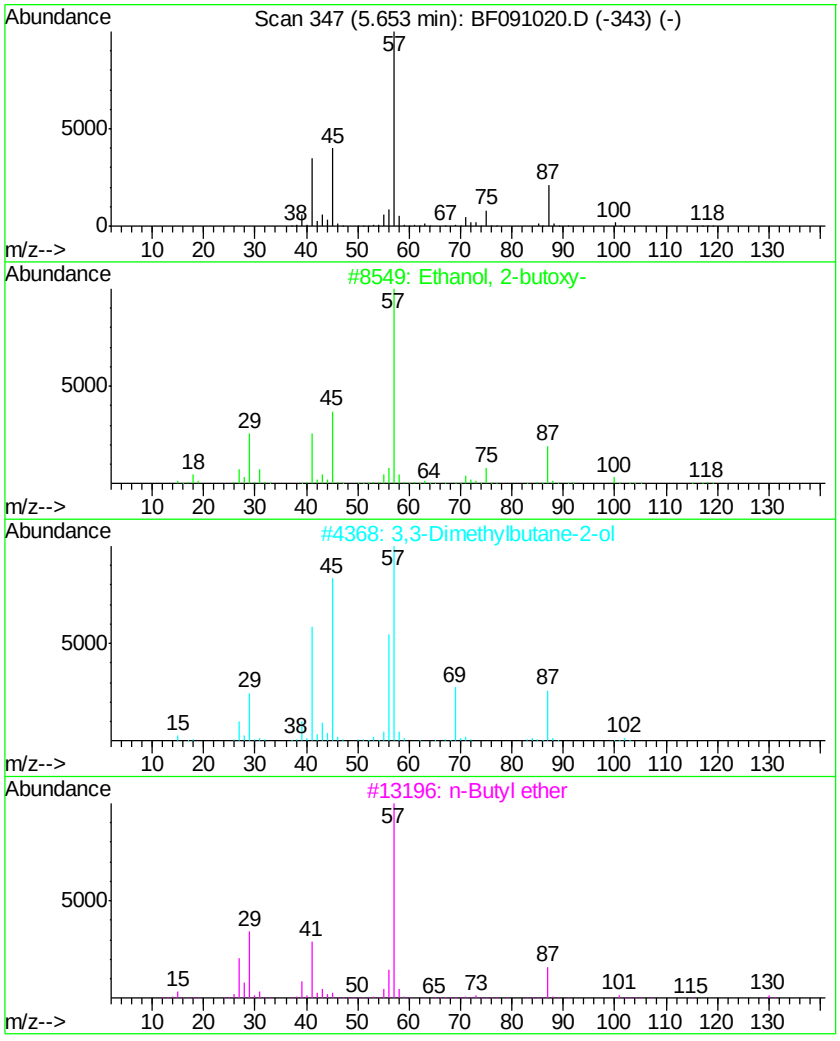
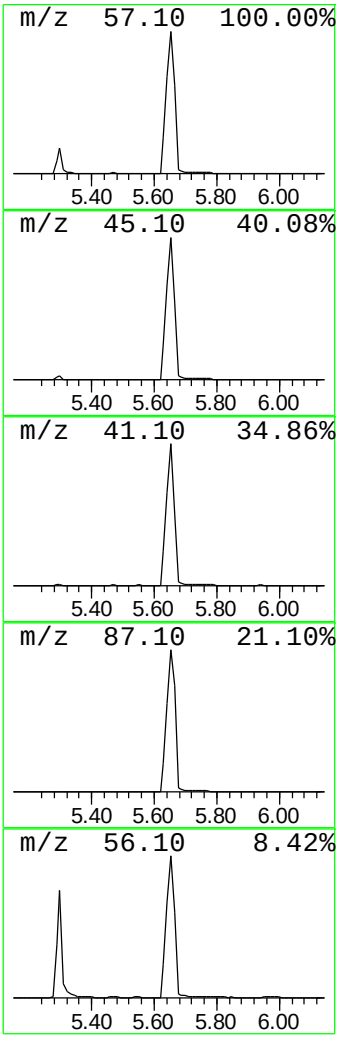
Peak Number 4 Ethanol, 2-butoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	93.55 ng	4943350	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	45
3	n-Butyl ether	130	C8H18O	000142-96-1	25
4	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	17
5	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	10





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Operator : UM/SJ
Sample : H5509-29
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-DUP-110116

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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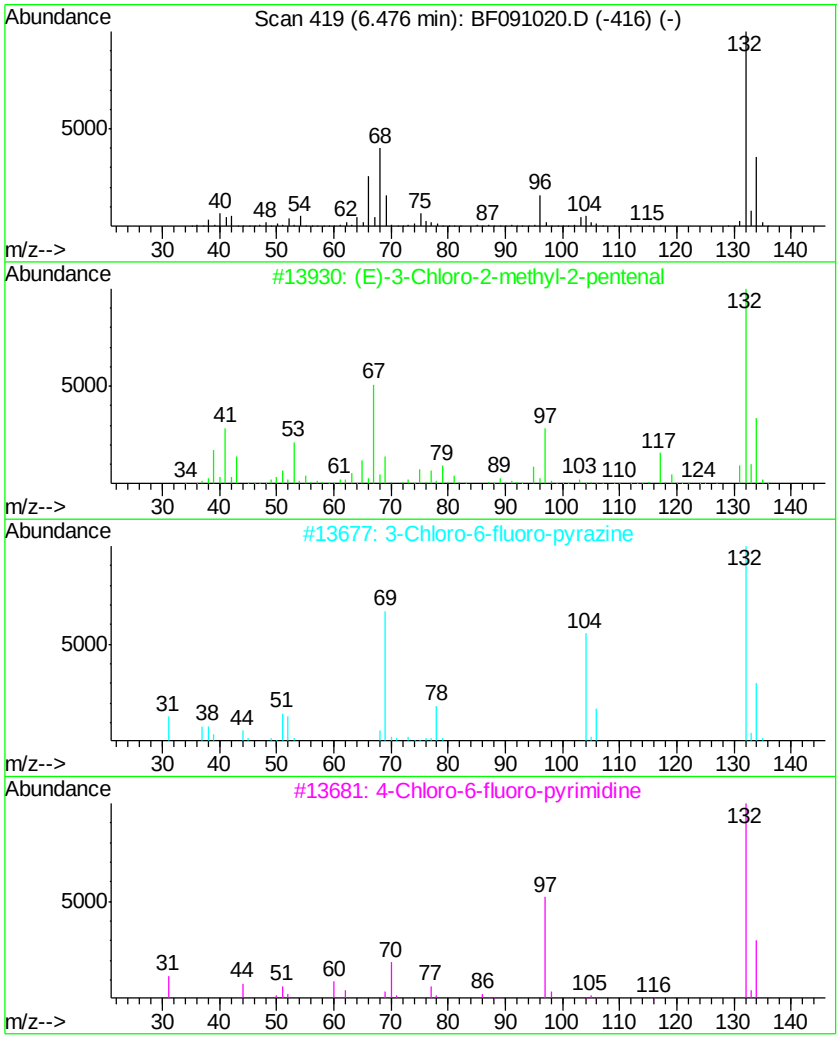
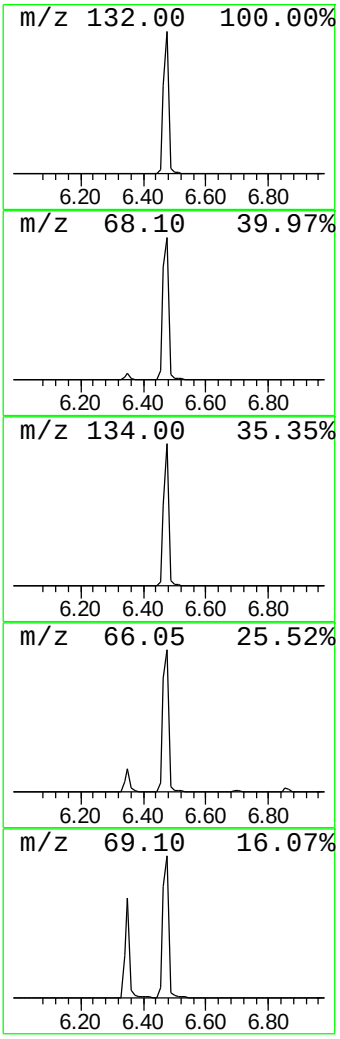
Peak Number 5 unknown6.48 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	109.51 ng	5786840	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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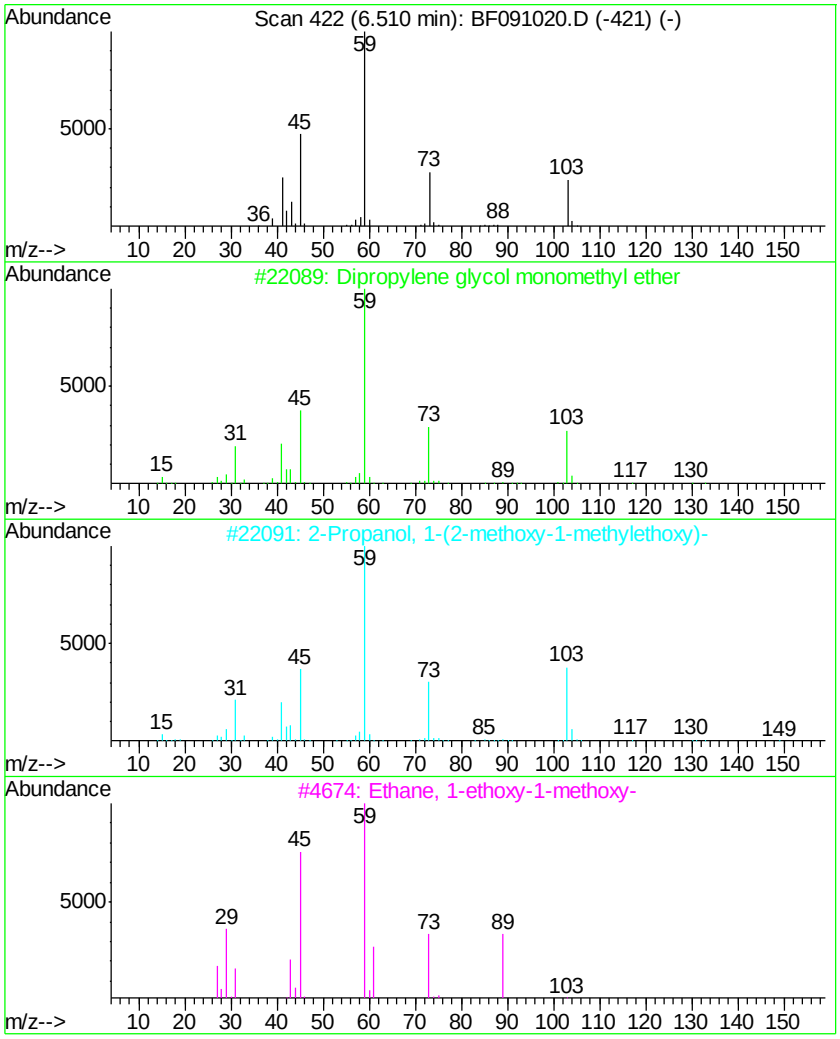
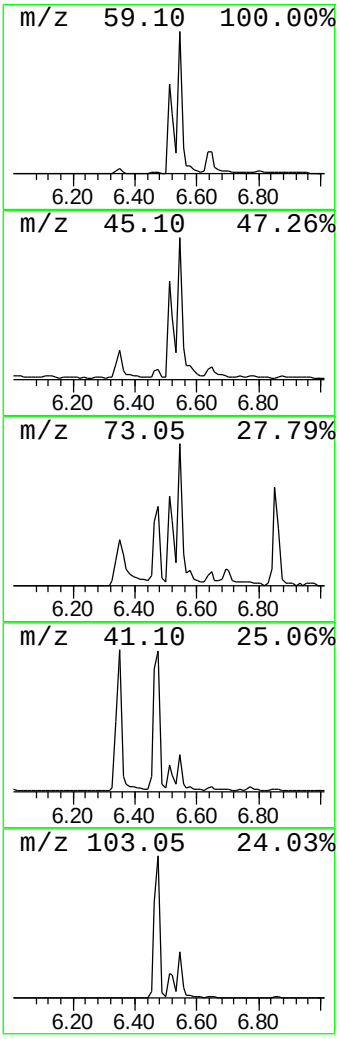
Peak Number 6 Dipropylene glycol monometh... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	3.91 ng	206384	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dipropylene glycol monomethyl ether	148	C7H16O3	034590-94-8	83
2	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	72
3	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	64
4	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	64
5	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	59





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.85	18.2	ng	959435	1	6.70	1056860	20.0
Ethanol, 2-butoxy-	5.65	93.5	ng	4943350	1	6.70	1056860	20.0
unknown6.48	6.48	109.5	ng	5786840	1	6.70	1056860	20.0
Dipropylene glyco...	6.51	3.9	ng	206384	1	6.70	1056860	20.0