LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091117.D
Acq On : 9 Nov 2016 8:18
Operator : UM/SJ
Sample : H5547-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

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	1.755	4	6	63	rVB	2989611	8664906	100.00%	21.643%
2	4.784	270	271	283	rBV	157912	232538	2.68%	0.581%
3	5.241	309	311	333	rBV	1153977	1512948	17.46%	3.779%
4	6.304	402	404	413	rBV2	581179	929880	10.73%	2.323%
5	6.430	413	415	417	rBV	3358385	3254537	37.56%	8.129%
6	6.659	433	435	440	rBV	1119756	1074891	12.41%	2.685%
7	6.819	446	449	451	rBV	3451766	3546090	40.92%	8.857%
8	7.230	483	485	494	rBV	2634593	2704575	31.21%	6.755%
9	7.950	546	548	550	rBV	1401251	1413002	16.31%	3.529%
10	9.025	639	642	645	rBV	4908427	4623261	53.36%	11.548%
11	9.425	674	677	679	rBV	432452	381995	4.41%	0.954%
12	9.699	698	701	703	rBV	1405100	1484470	17.13%	3.708%
13	10.488	767	770	772	rBV	2128349	2427336	28.01%	6.063%
14	10.613	779	781	785	rVB	114031	135308	1.56%	0.338%
15	11.059	818	820	821	rBV2	74581	107147	1.24%	0.268%
16	11.173	828	830	833	rBV	1375833	1198041	13.83%	2.992%
17	12.591	952	954	957	rBV	150816	136821	1.58%	0.342%
18	12.762	966	969	971	rBV	3519336	3489009	40.27%	8.715%
19	13.665	1045	1048	1053	rBV	85747	126823	1.46%	0.317%
20	13.802	1058	1060	1063	rBV	1005253	934237	10.78%	2.333%
21	14.282	1099	1102	1105	rBV	390877	387200	4.47%	0.967%
22	14.351	1105	1108	1111	rVV	198257	220612	2.55%	0.551%
23	14.408	1111	1113	1115	rBV	181783	218808	2.53%	0.547%
24	15.174	1178	1180	1183	rBV	621591	831806	9.60%	2.078%

Sum of corrected areas: 40036241

LSC Report - Integrated Chromatogram

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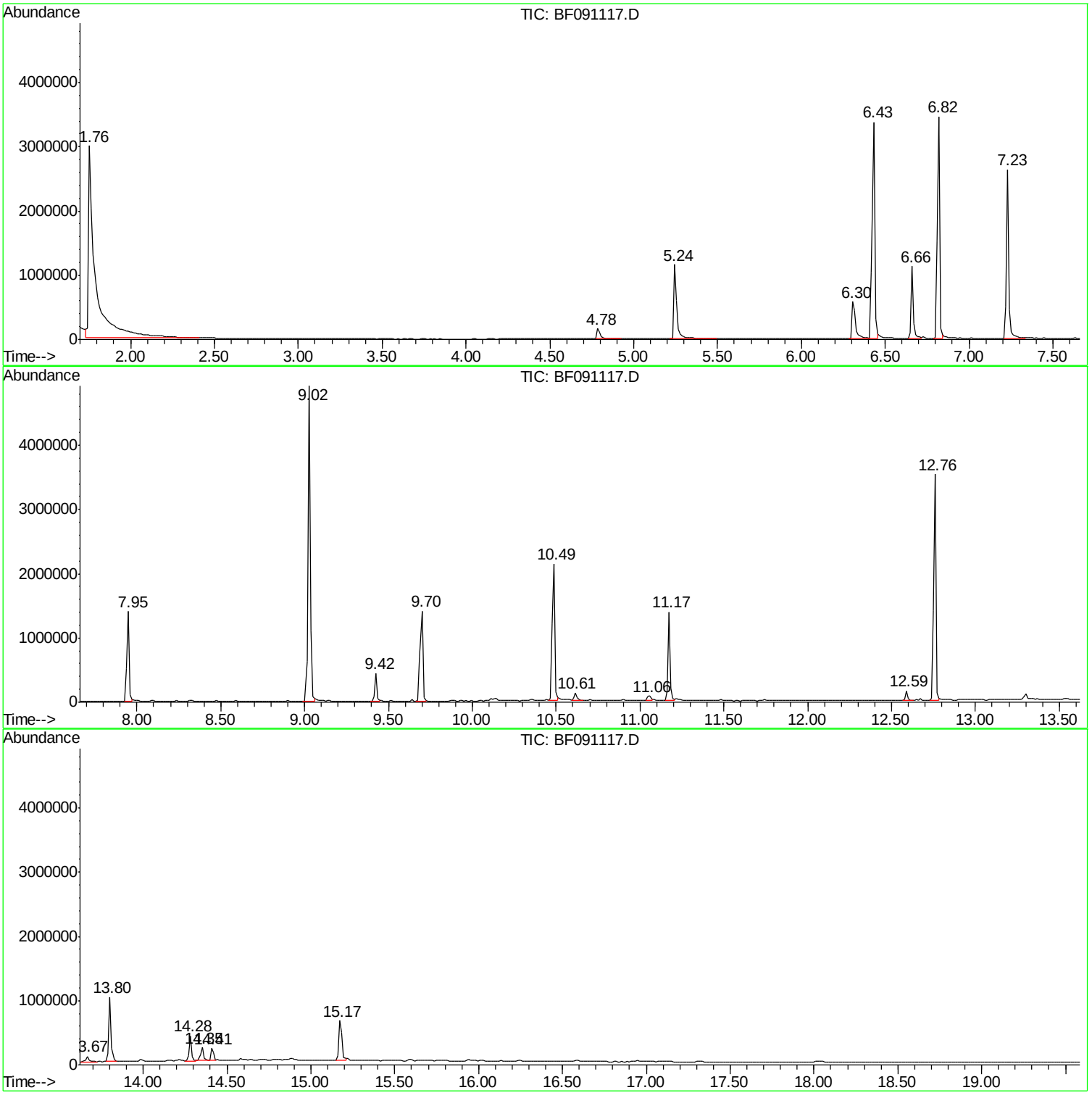
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WATER-QUALITYDRY-4

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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Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

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

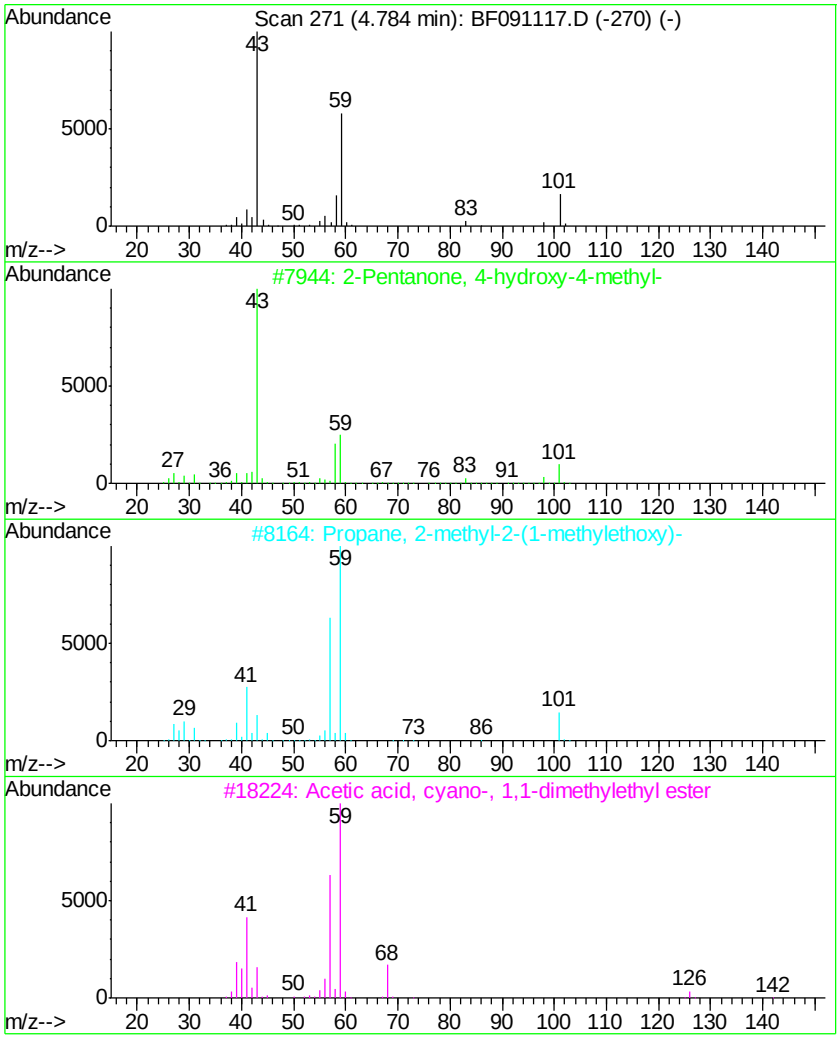
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

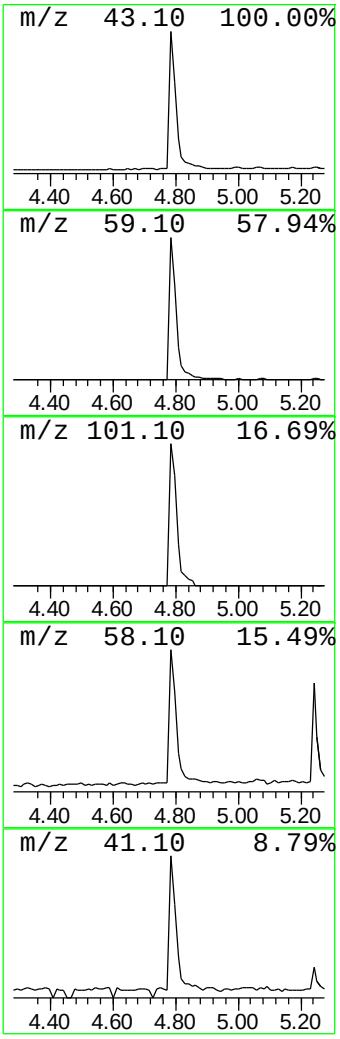
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	4.33 ng	232538	1,4-Dichlorobenzene-d4	6.66

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	37
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33





Library Search Compound Report

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Data File : BF091117.D
Acq On : 9 Nov 2016 8:18
Operator : UM/SJ
Sample : H5547-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WATER-QUALITYDRY-4

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

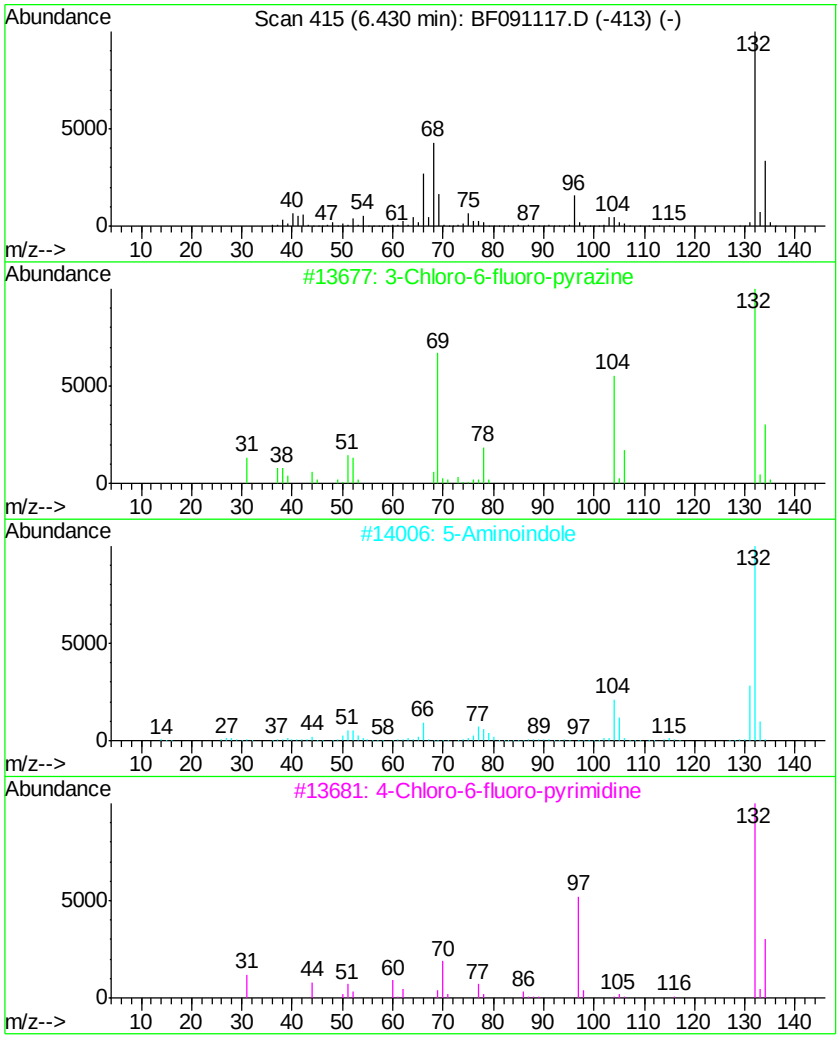
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

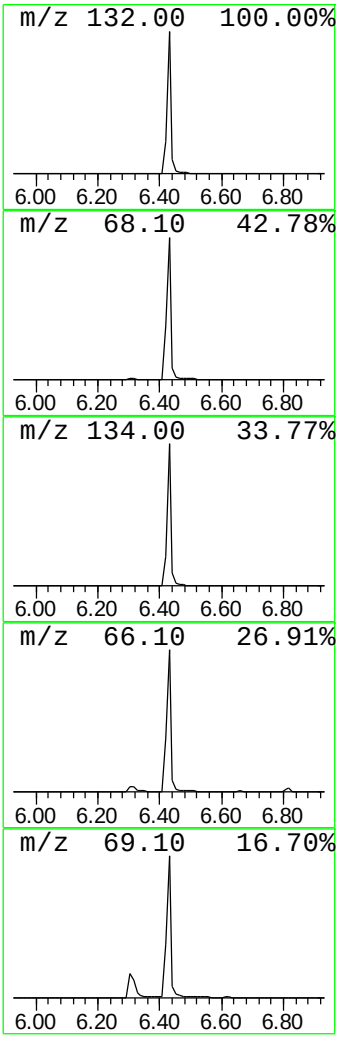
****

Peak Number 3 unknown6.43 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	60.56 ng	3254540	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

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Acq On : 9 Nov 2016 8:18
Operator : UM/SJ
Sample : H5547-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

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

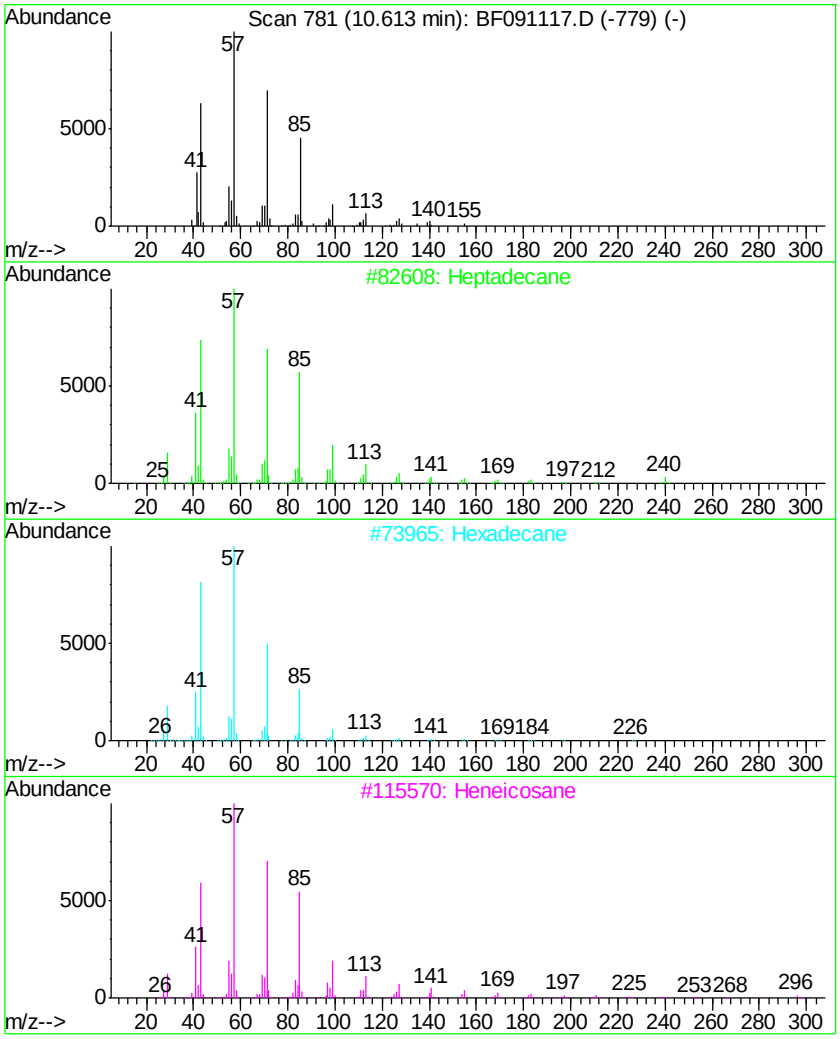
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

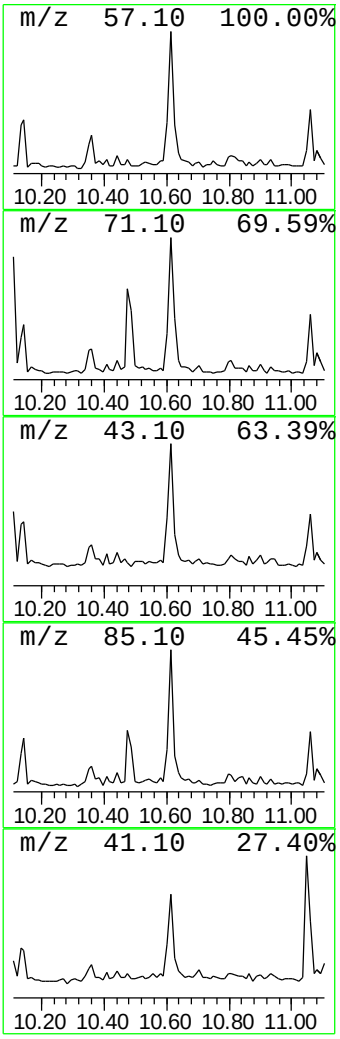
****

Peak Number 5 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	2.26 ng	135308	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Nonadecane	268	C19H40	000629-92-5	87
5	Eicosane	282	C20H42	000112-95-8	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
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Sample : H5547-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

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

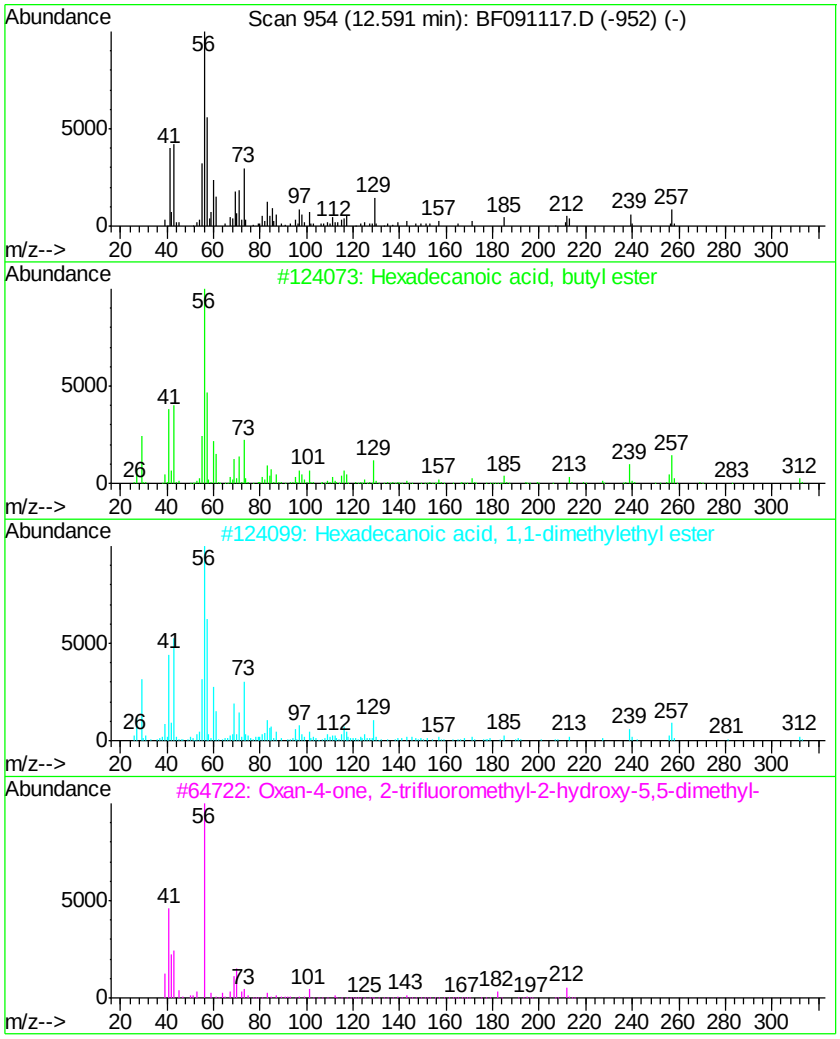
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

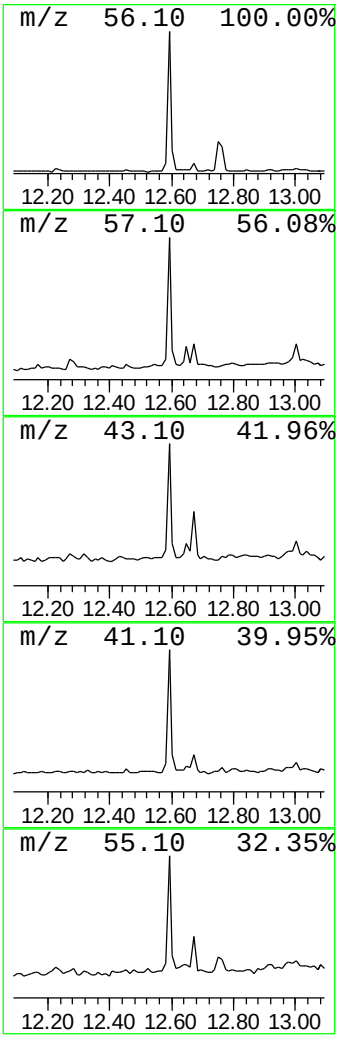
****

Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.93 ng	136821	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	49
3	Oxan-4-one, 2-trifluoromethyl-2-...	212	C8H11F3O3	212615-80-0	43
4	Cyclohexanol,2-amino-,trans-	115	C6H13NO	006982-39-4	38
5	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
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Operator : UM/SJ
Sample : H5547-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

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

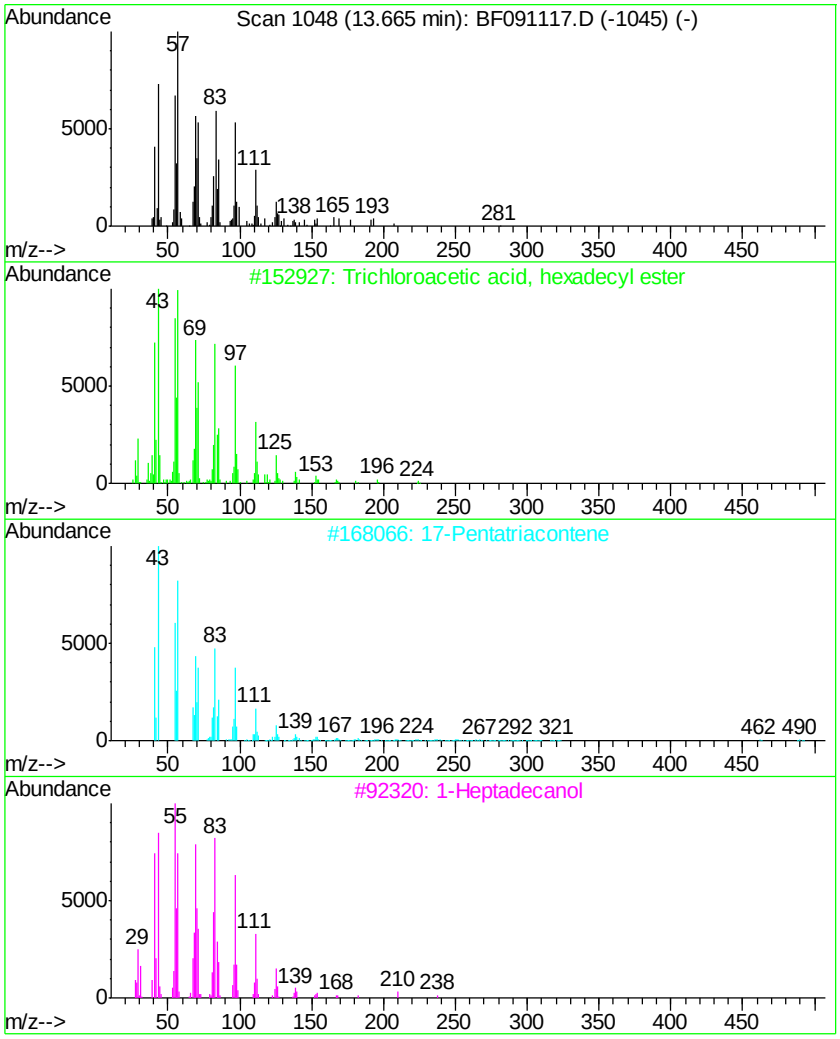
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

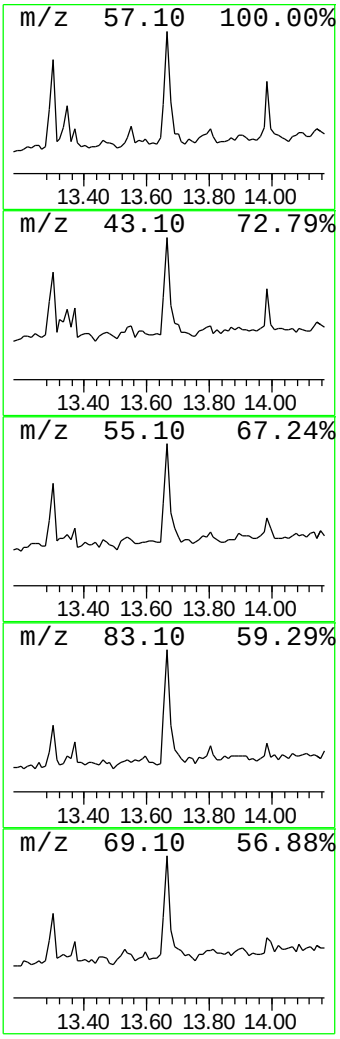
****

Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.72 ng	126823	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
2	17-Pentatriacontene	491	C35H70	006971-40-0	83
3	1-Heptadecanol	256	C17H36O	001454-85-9	81
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	81
5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	80





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Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

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

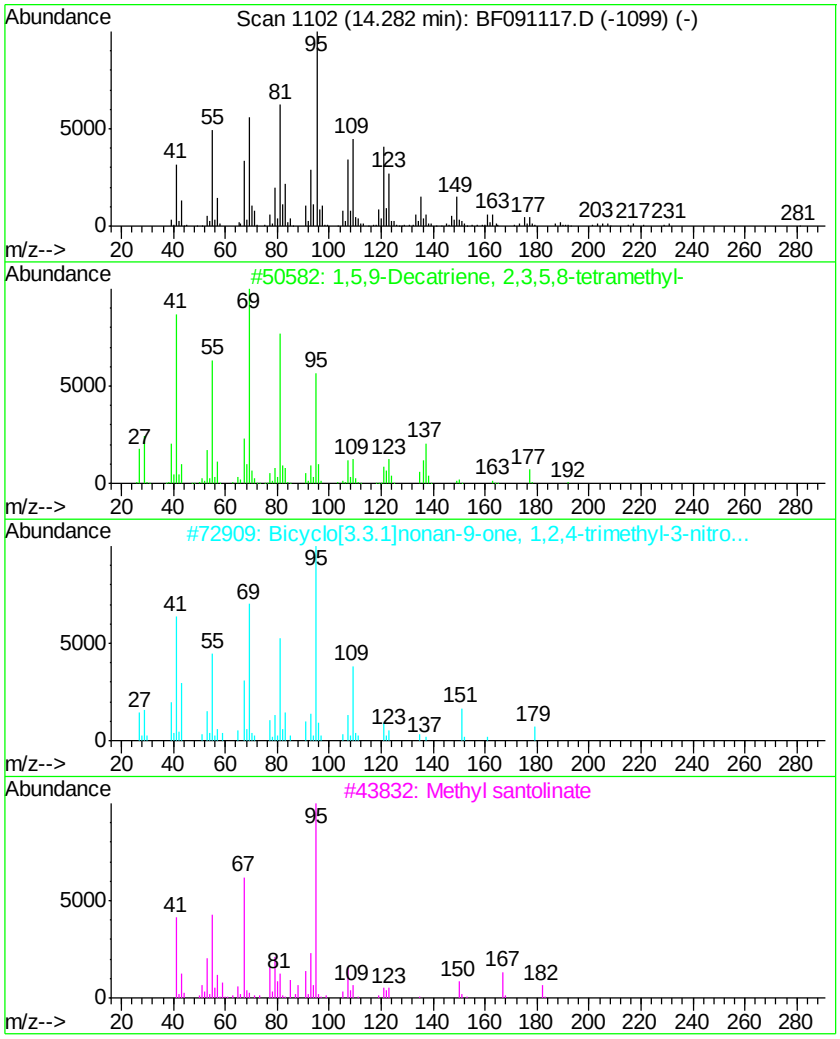
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

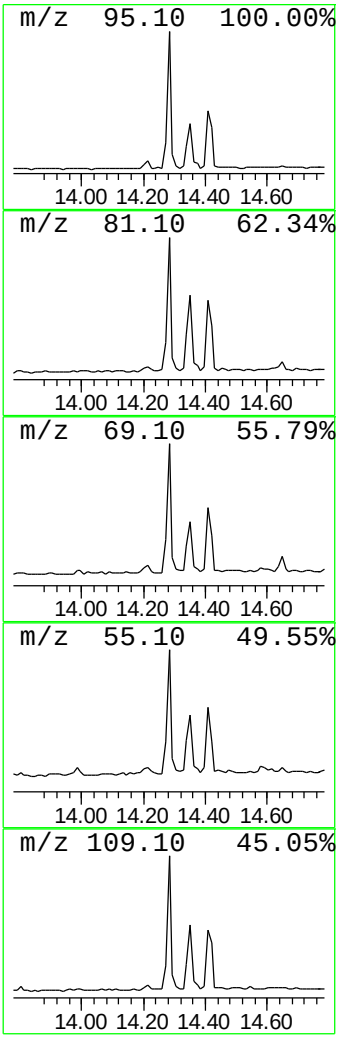
****

Peak Number 8 unknown14.28 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	8.29 ng	387200	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	47
2	Bicyclo[3.3.1]nonan-9-one, 1,2,4...	225	C12H19NO3	129967-65-3	47
3	Methyl santolinate	182	C11H18O2	053163-37-4	43
4	1-(3,3,6a-Trimethyl-1a,2,3,5,6a,...	220	C14H20O2	1000190-30-6	43
5	4,8,12,16-Octadecatetraen-1-ol, ...	318	C22H38O	1000142-00-0	40





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Instrument : BNA_F
ClientSampleId : WATER-QUALITYDRY-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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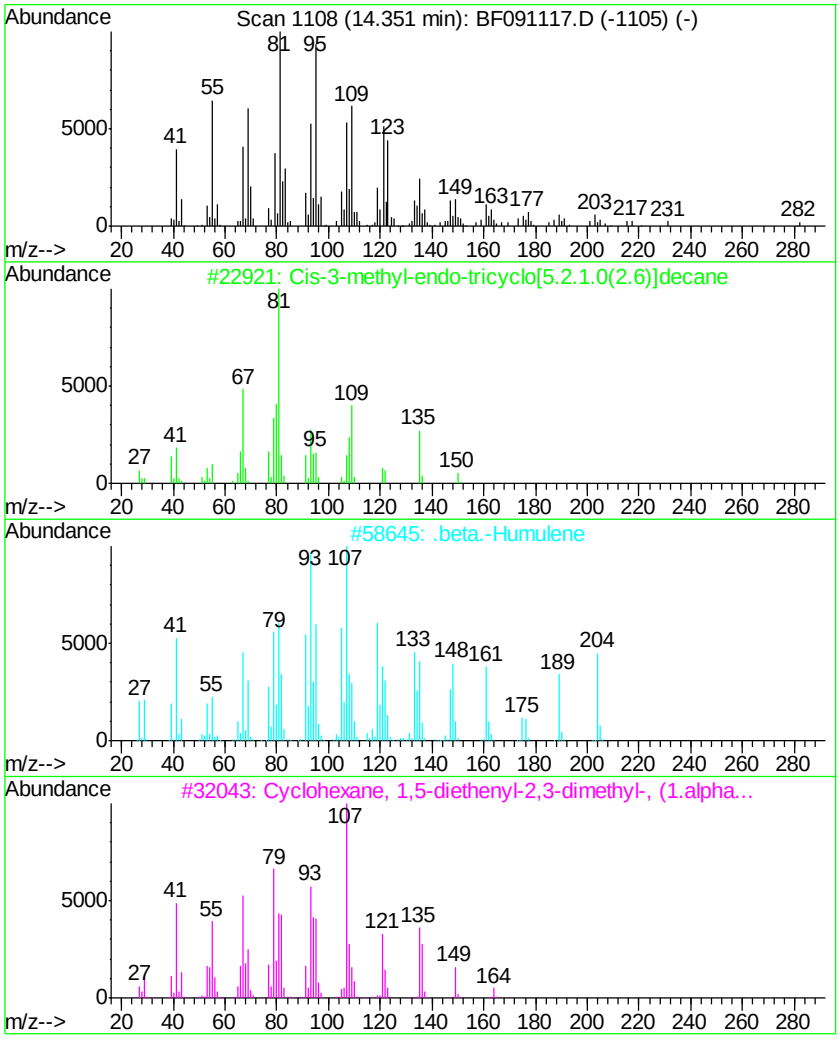
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

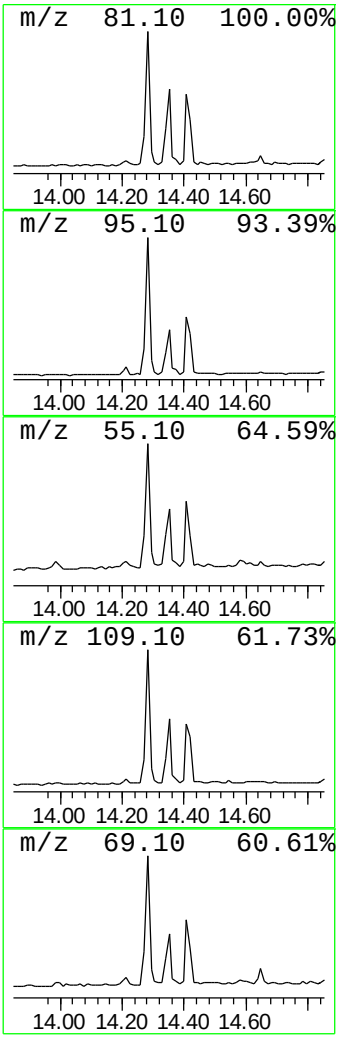
****

Peak Number 9 unknown14.35 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	4.72 ng	220612	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-3-methyl-endo-tricyclo[5.2.1...	150	C11H18	1000215-29-0	43
2	.beta.-Humulene	204	C15H24	000116-04-1	38
3	Cyclohexane, 1,5-diethenyl-2,3-d...	164	C12H20	068779-12-4	30
4	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	30
5	di-t-Butylacetylene	138	C10H18	017530-24-4	27





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TIC Integration Parameters: LSCINT.P

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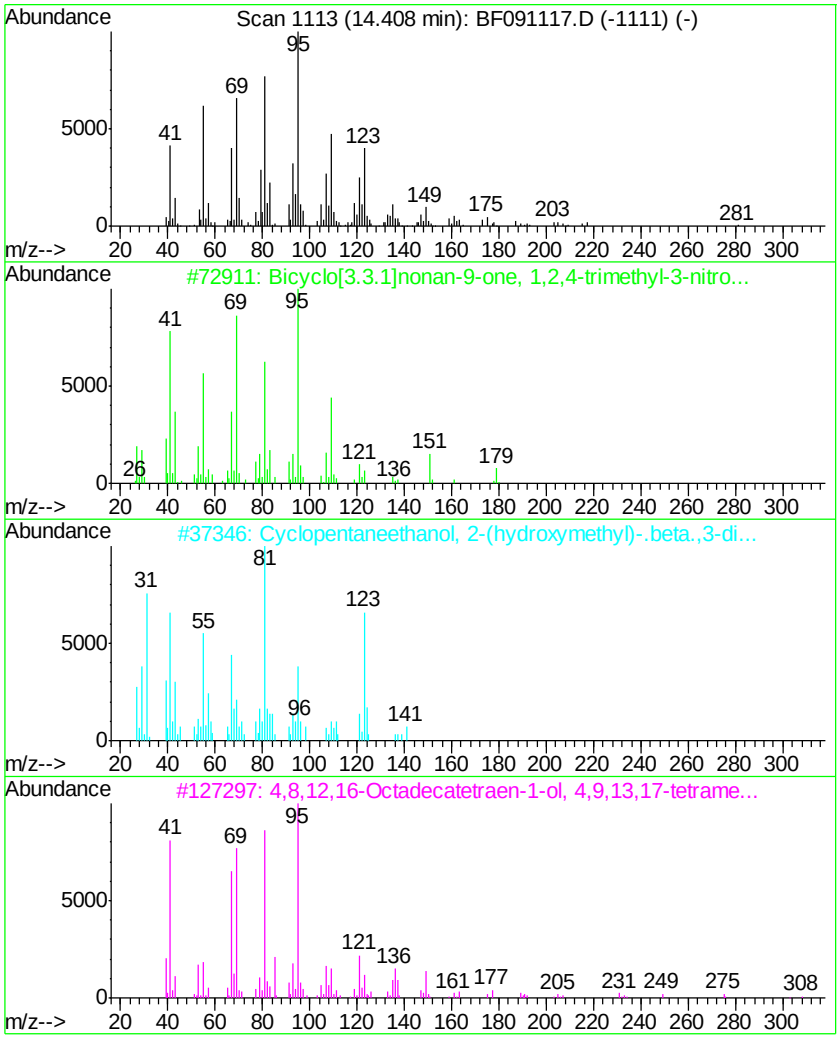
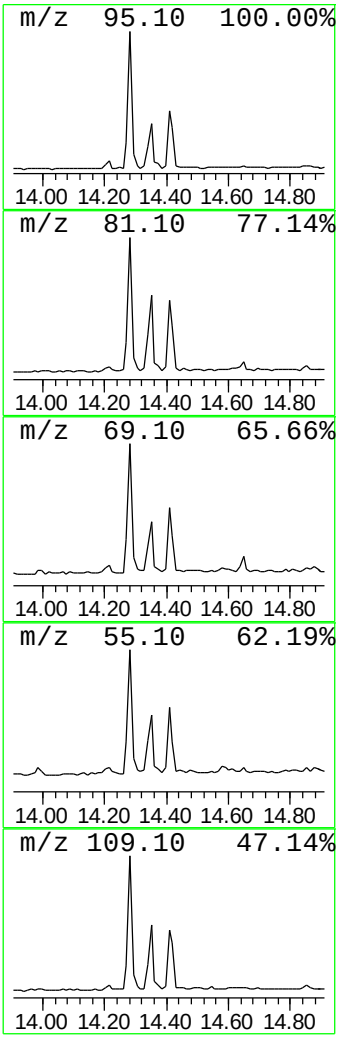
Peak Number 10 unknown14.41 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	4.68 ng	218808	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonan-9-one, 1,2,4...	225	C12H19NO3	129967-65-3	45
2	Cyclopentaneethanol, 2-(hydroxym...	172	C10H20O2	000485-42-7	43
3	4,8,12,16-Octadecatetraen-1-ol, ...	318	C22H38O	1000142-00-0	42
4	1,5-Heptadiene, 2-methyl-, (E)-	110	C8H14	041044-63-7	38
5	1,3-Nonadiene, 5,5-dimethyl-	152	C11H20	1000142-73-3	35





Tentatively Identified Compound (LSC) summary

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Operator : UM/SJ
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.78	4.3	ng	232538	1	6.66	1074890	20.0
unknown6.43	6.43	60.6	ng	3254540	1	6.66	1074890	20.0
Heptadecane	10.61	2.3	ng	135308	4	11.17	1198040	20.0
Hexadecanoic acid...	12.59	2.9	ng	136821	5	13.80	934237	20.0
Trichloroacetic a...	13.67	2.7	ng	126823	5	13.80	934237	20.0
unknown14.28	14.28	8.3	ng	387200	5	13.80	934237	20.0
unknown14.35	14.35	4.7	ng	220612	5	13.80	934237	20.0
unknown14.41	14.41	4.7	ng	218808	5	13.80	934237	20.0