LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

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-BF120415.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	2.864	94	103	105	rBV	4654716	18111635	100.00%	30.143%
2	3.596	164	167	177	rVB	150709	312231	1.72%	0.520%
3	4.041	204	206	224	rVV	1094729	1818746	10.04%	3.027%
4	5.322	315	318	328	rBV2	706770	1422367	7.85%	2.367%
5	5.459	328	330	336	rVV	2994835	3420072	18.88%	5.692%
6	5.767	355	357	362	rBV	740410	886802	4.90%	1.476%
7	5.859	362	365	368	rVB	257789	398677	2.20%	0.664%
8	5.984	373	376	379	rBV	2639865	3243722	17.91%	5.398%
9	6.304	402	404	410	rVB	224300	294641	1.63%	0.490%
10	6.590	424	429	432	rBV	1825380	2933271	16.20%	4.882%
11	7.665	521	523	529	rBV	794682	1188171	6.56%	1.977%
12	7.779	531	533	539	rVB	172660	284696	1.57%	0.474%
13	9.413	673	676	679	rBV	3571268	4895352	27.03%	8.147%
14	9.699	697	701	708	rBV	620750	915170	5.05%	1.523%
15	10.453	765	767	770	rBV	880389	1343488	7.42%	2.236%
16	10.511	770	772	775	rVB	955194	1168015	6.45%	1.944%
17	10.979	810	813	815	rBV	192492	301918	1.67%	0.502%
18	11.299	837	841	844	rBV2	383572	793480	4.38%	1.321%
19	11.528	857	861	868	rVB3	77054	189216	1.04%	0.315%
20	11.745	877	880	888	rBV	2094396	3020807	16.68%	5.027%
21	11.951	896	898	903	rBV	237555	344822	1.90%	0.574%
22	12.545	947	950	958	rVV4	75467	186284	1.03%	0.310%
23	12.854	974	977	984	rVB	982538	1313827	7.25%	2.187%
24	14.705	1135	1139	1142	rVB	3029996	3891385	21.49%	6.476%
25	15.483	1203	1207	1210	rBV	2873631	4874622	26.91%	8.113%
26	17.037	1341	1343	1352	rVB	814349	1104412	6.10%	1.838%
27	17.231	1357	1360	1363	rBV	468157	575195	3.18%	0.957%
28	18.671	1483	1486	1494	rBV	674254	853010	4.71%	1.420%

Sum of corrected areas: 60086034

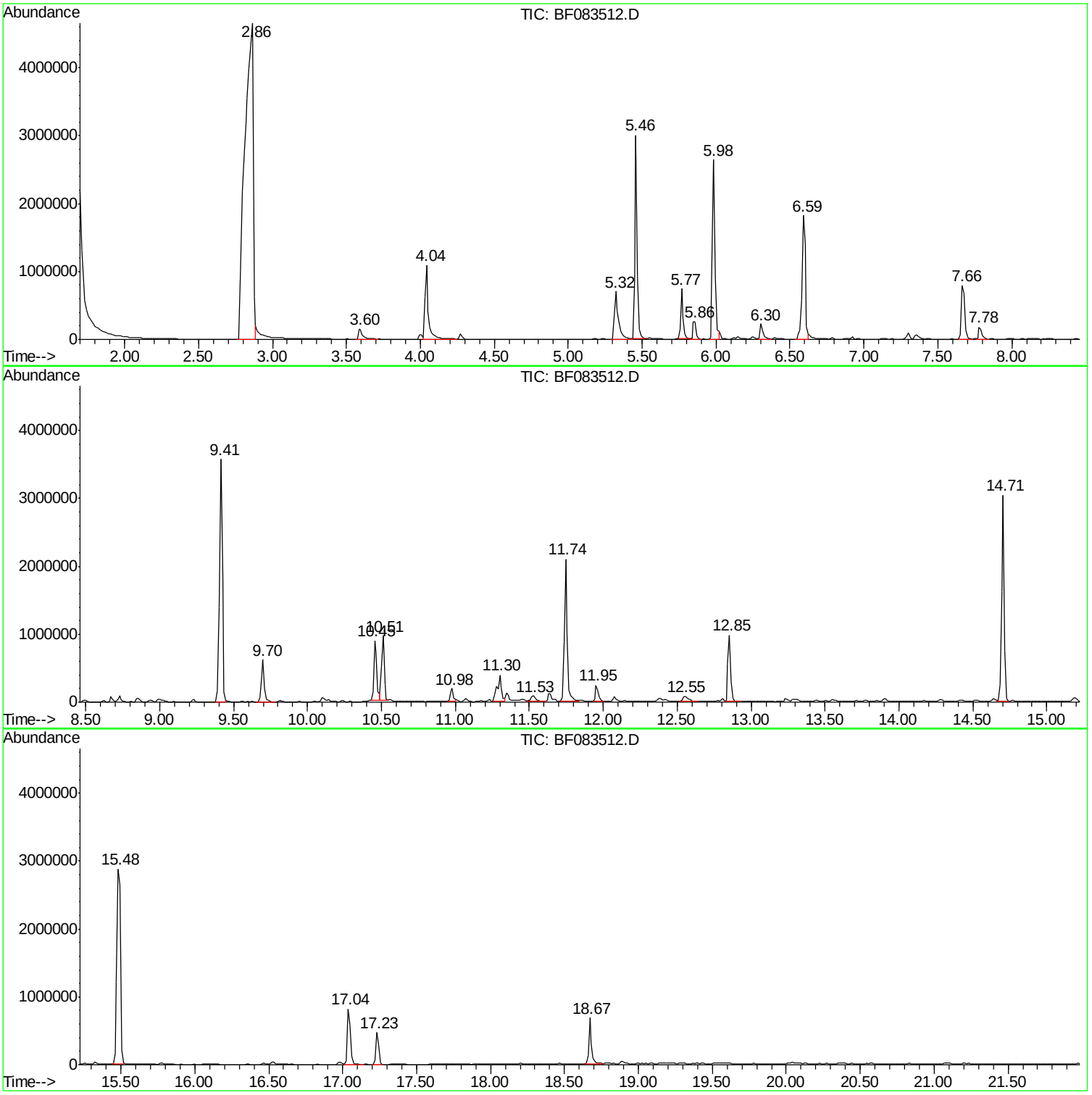
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

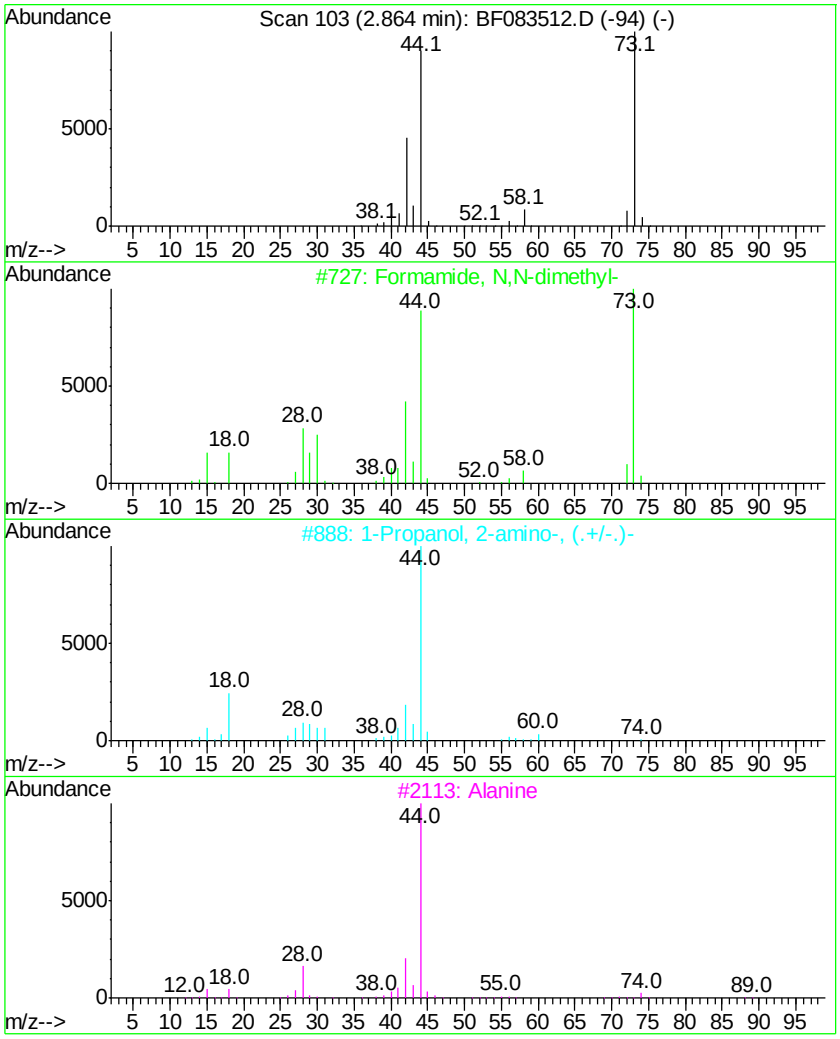
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

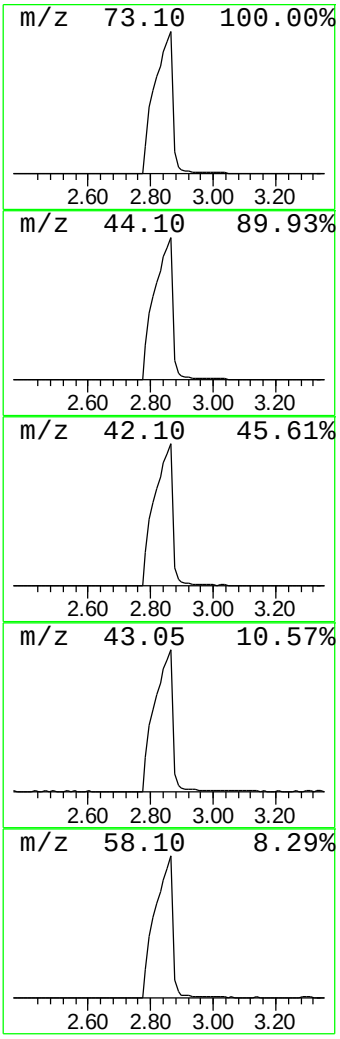
****

Peak Number 1 Formamide, N,N-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.86	408.47 ng	18111600	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	91
2	1-Propanol, 2-amino-, (.+/-.)-	75	C3H9NO	006168-72-5	9
3	Alanine	89	C3H7NO2	000056-41-7	9
4	Formic acid, ethenyl ester	72	C3H4O2	000692-45-5	5
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	5





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

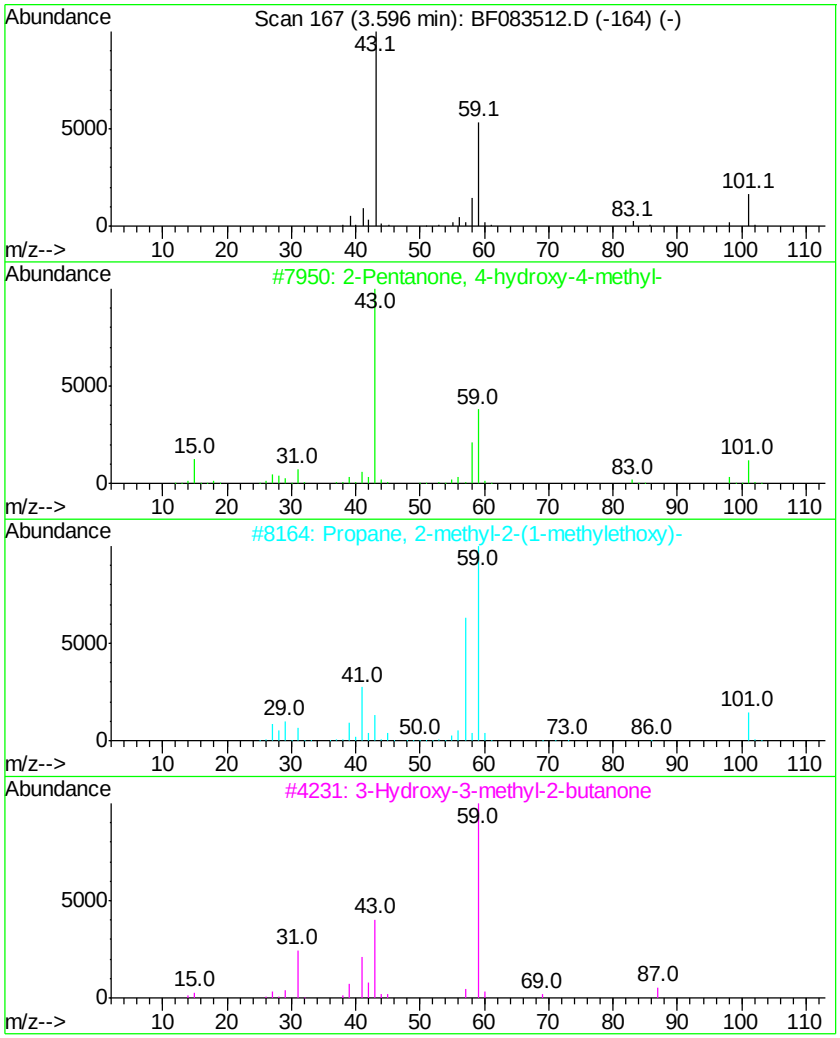
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

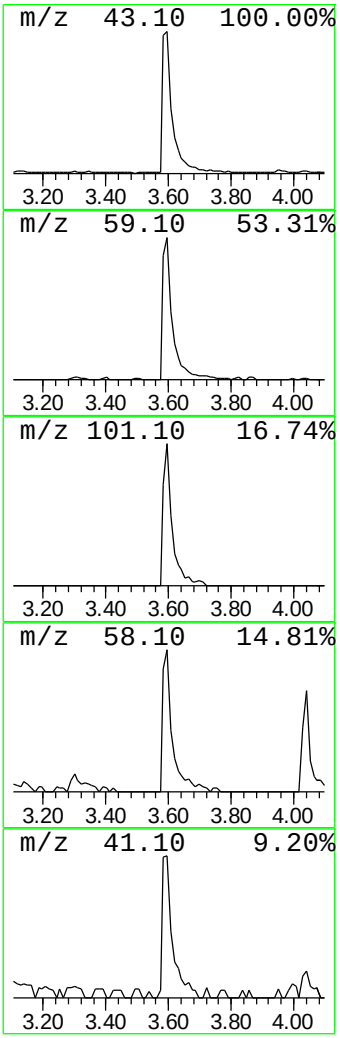
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	7.04 ng	312231	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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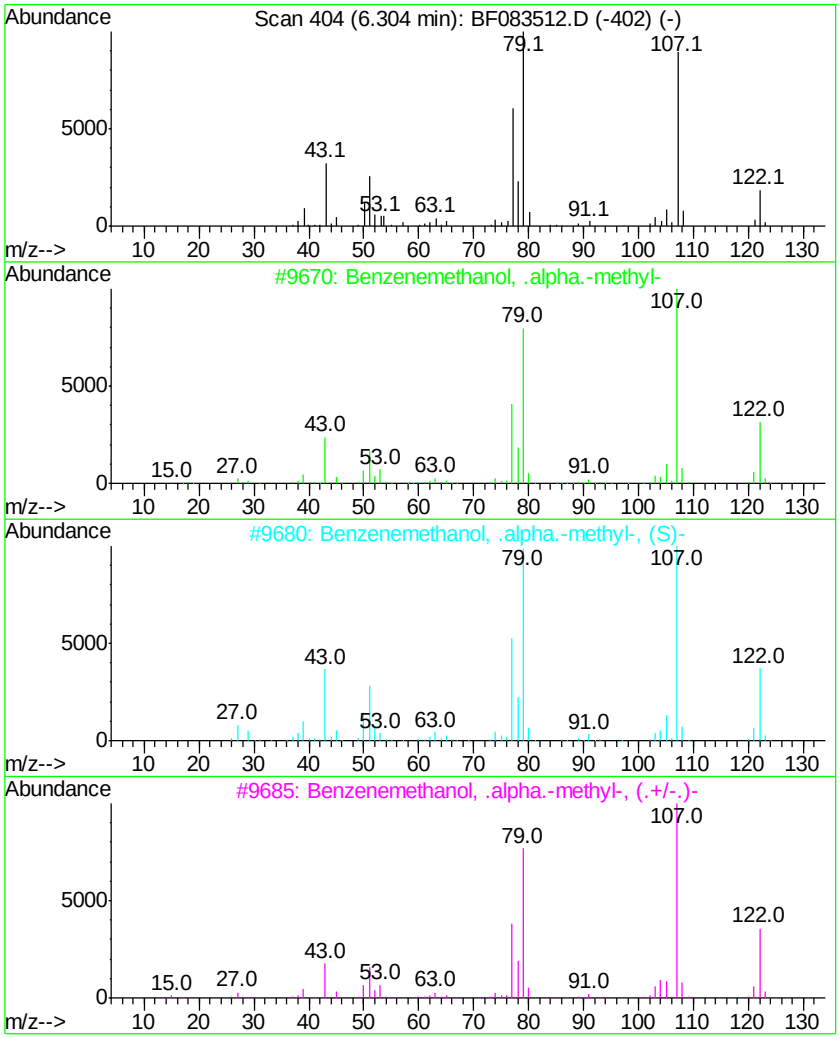
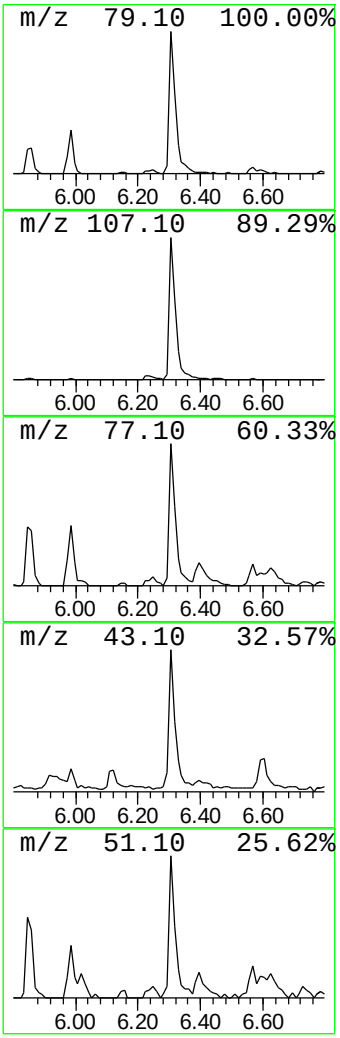
Peak Number 6 Benzenemethanol, .alpha.-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	6.65 ng	294641	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, .alpha.-methyl-	122	C8H10O	000098-85-1	97
2	Benzenemethanol, .alpha.-methyl-...	122	C8H10O	001445-91-6	94
3	Benzenemethanol, .alpha.-methyl-...	122	C8H10O	013323-81-4	94
4	(S)-(+)-3-Chloro-1-phenyl-1-prop...	170	C9H11ClO	100306-34-1	72
5	Benzenemethanol, .alpha.-2-prope...	148	C10H12O	000936-58-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

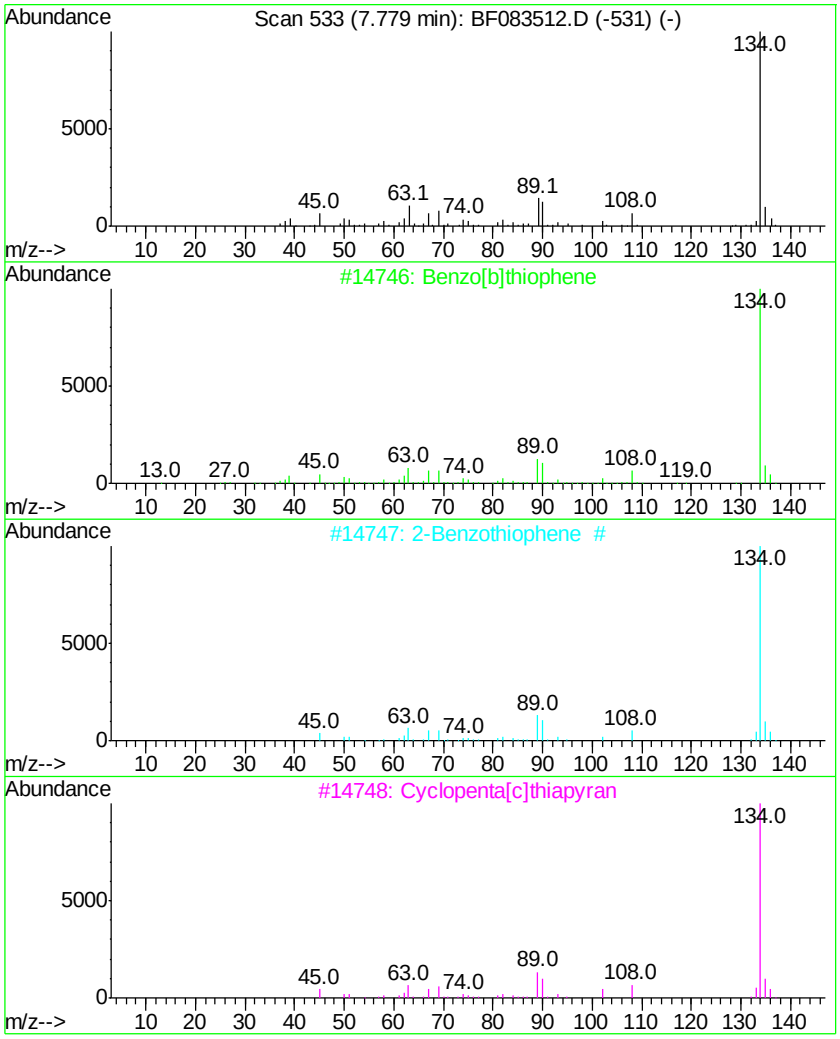
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

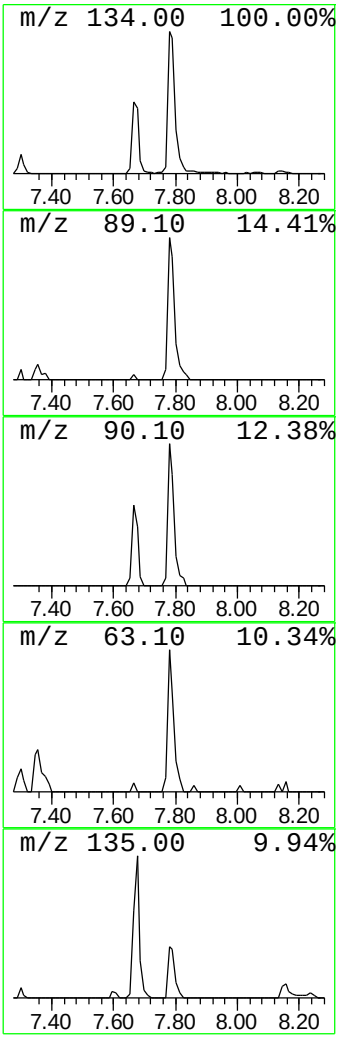
****

Peak Number 7 Benzo[b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	4.79 ng	284696	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	2-Benzothiophene #	134	C8H6S	000270-82-6	93
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90
4	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	87
5	Pyrimidine, 2,4,6-trifluoro-	134	C4HF3N2	000696-82-2	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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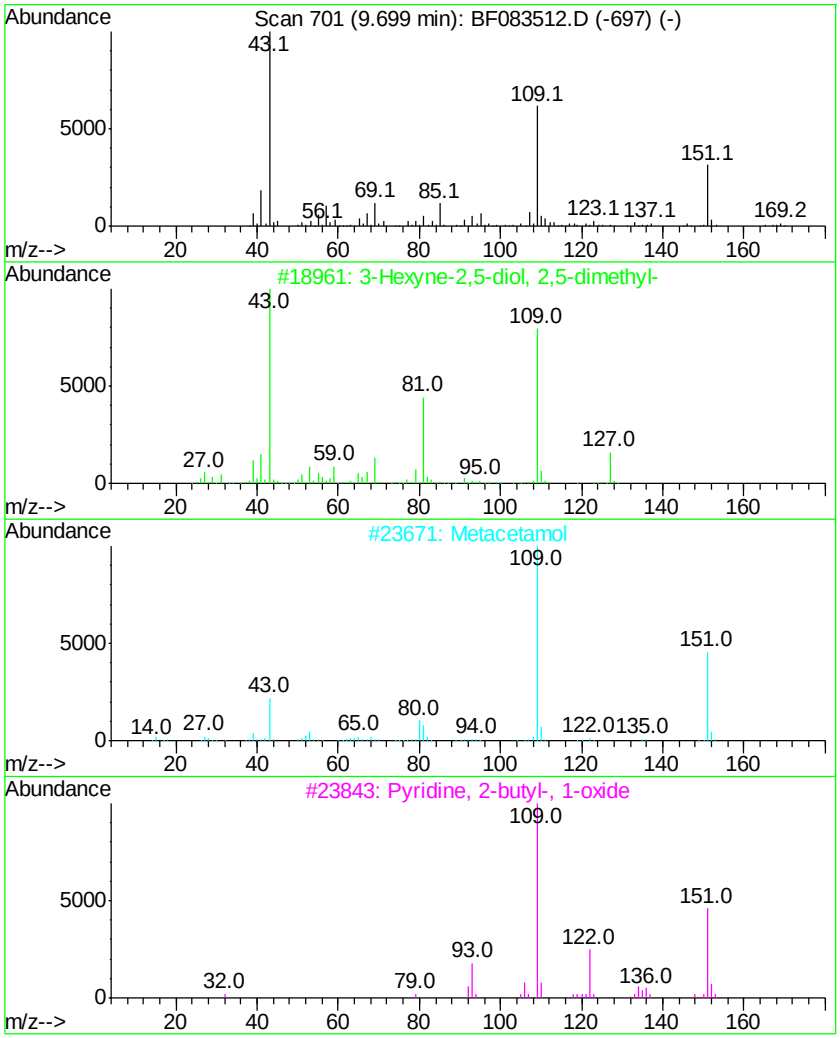
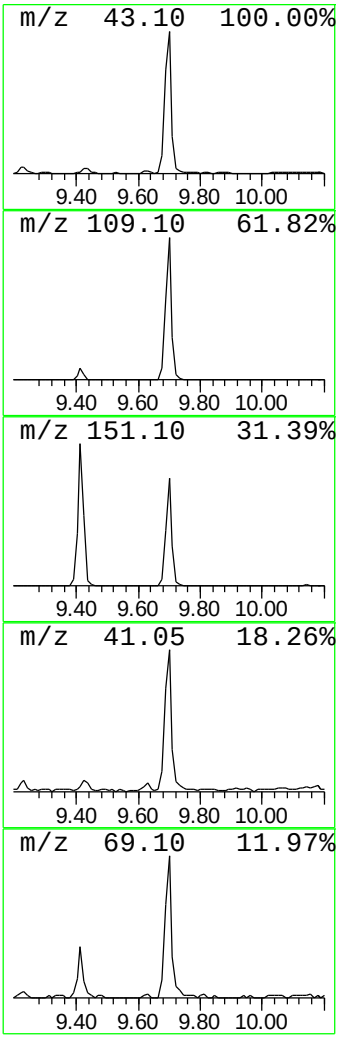
Peak Number 8 unknown9.70 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	13.62 ng	915170	Acenaphthene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexyne-2,5-diol, 2,5-dimethyl-	142	C8H14O2	000142-30-3	38
2	Metacetamol	151	C8H9NO2	000621-42-1	38
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	36
4	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	32
5	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

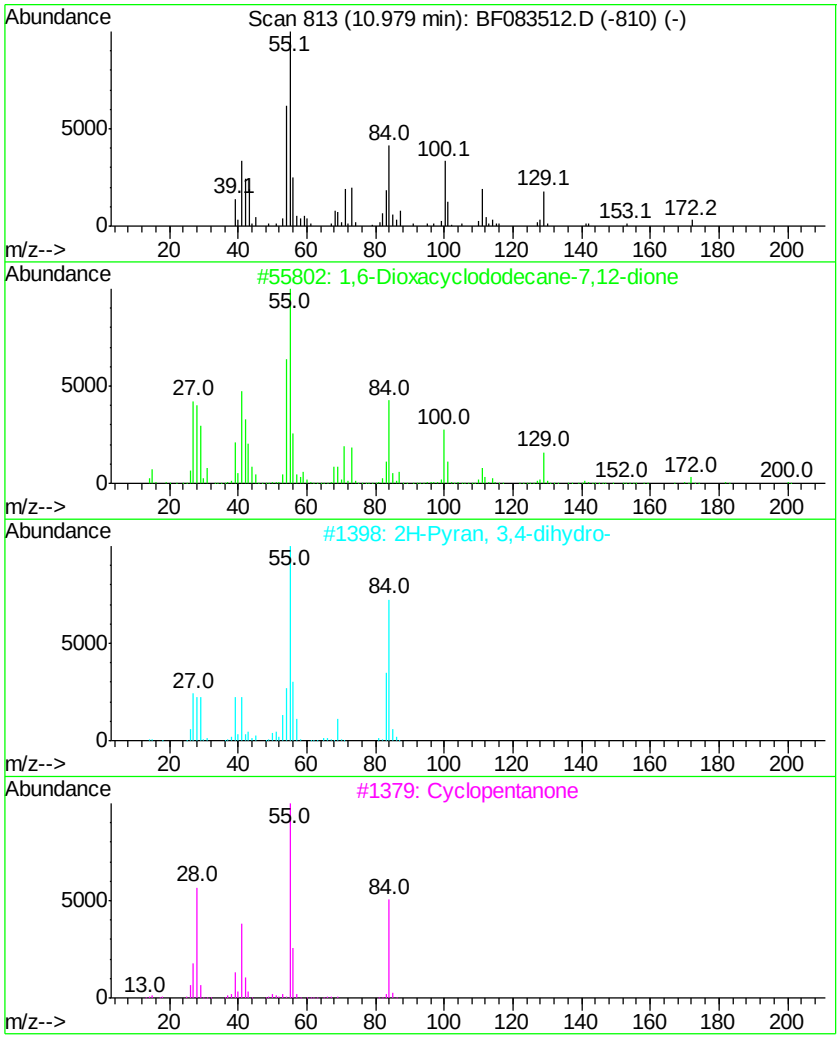
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

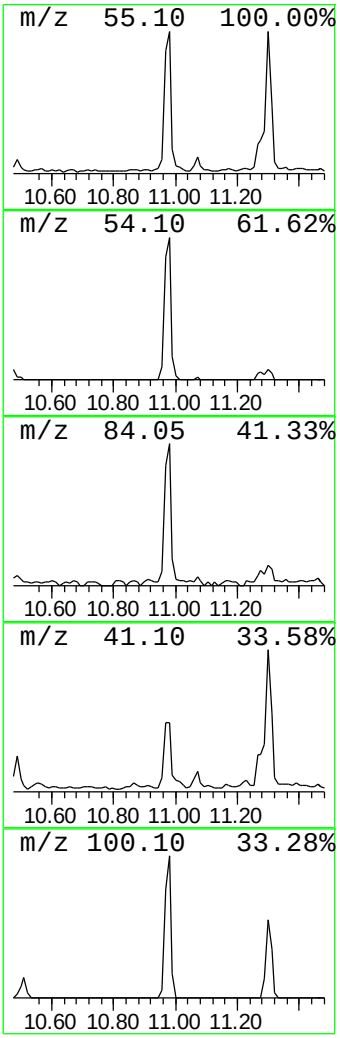
****

Peak Number 9 1,6-Dioxacyclododecane-7,12... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	4.49 ng	301918	Acenaphthene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dioxacyclododecane-7,12-dione	200	C10H16O4	000777-95-7	91
2	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	38
3	Cyclopentanone	84	C5H8O	000120-92-3	30
4	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	30
5	3-Hexene	84	C6H12	000592-47-2	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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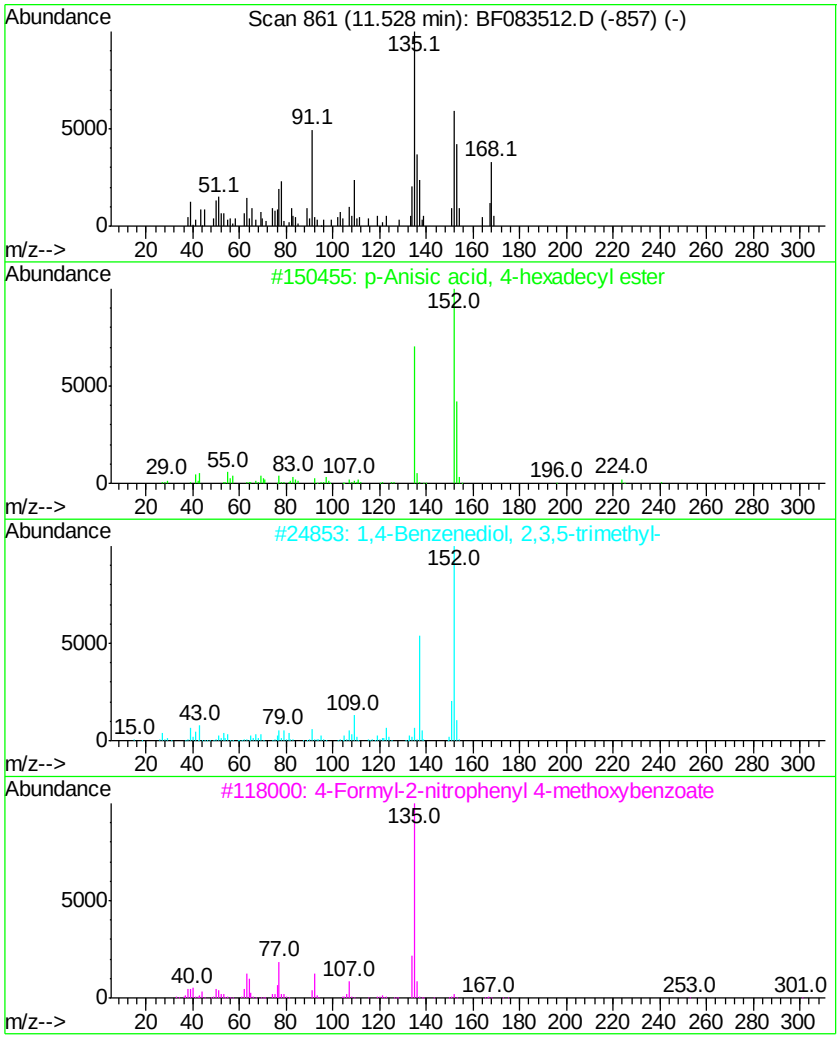
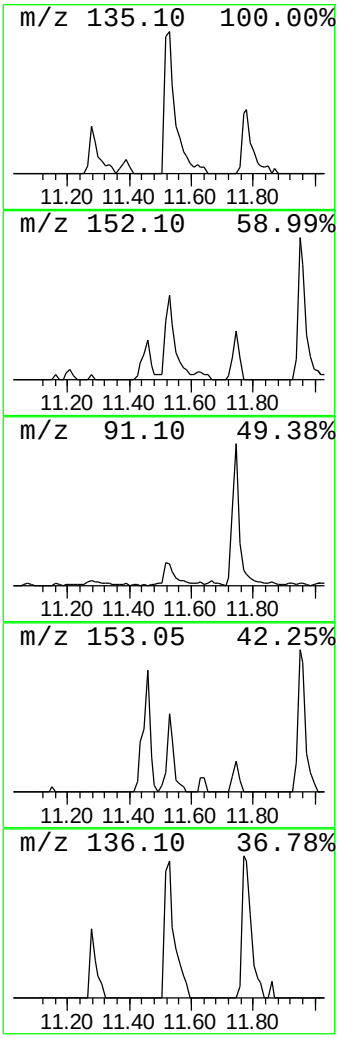
Peak Number 10 unknown11.53 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	2.82 ng	189216	Acenaphthene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Anisic acid, 4-hexadecyl ester	376	C24H40O3	1000292-46-2	38
2	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	25
3	4-Formyl-2-nitrophenyl 4-methoxy...	301	C15H11NO6	349489-11-8	22
4	4-Cyanothiophenol	135	C7H5NS	036801-01-1	16
5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	16





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Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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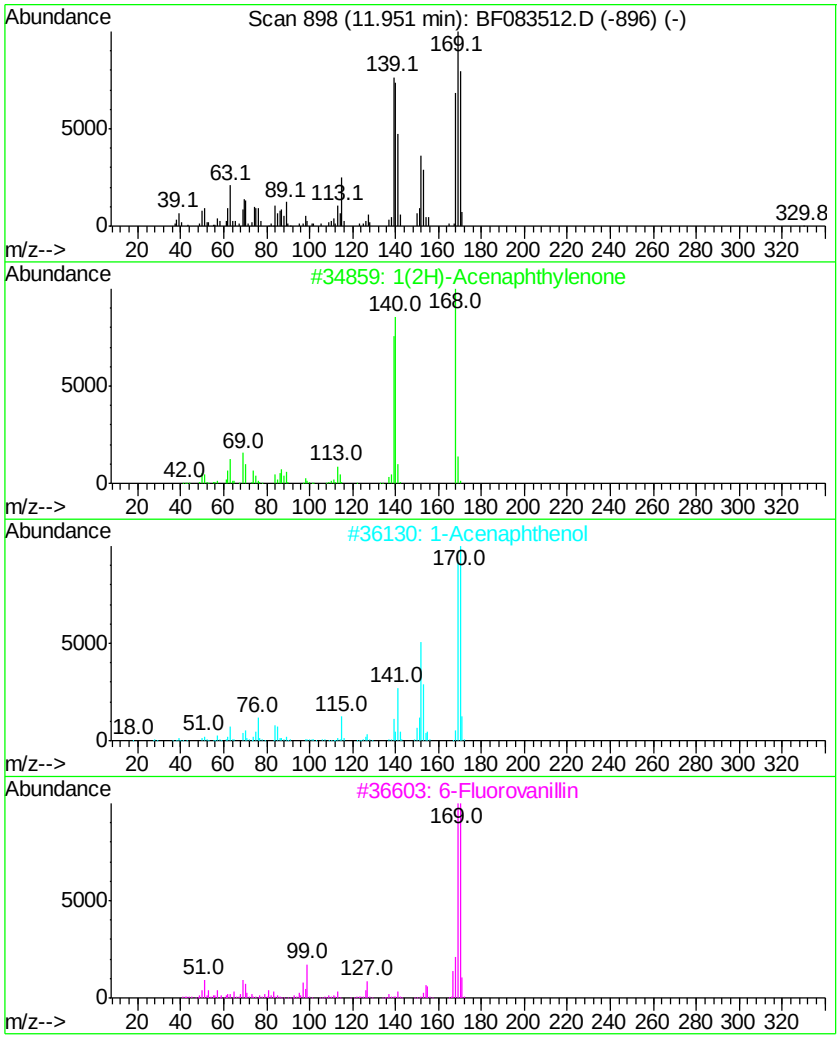
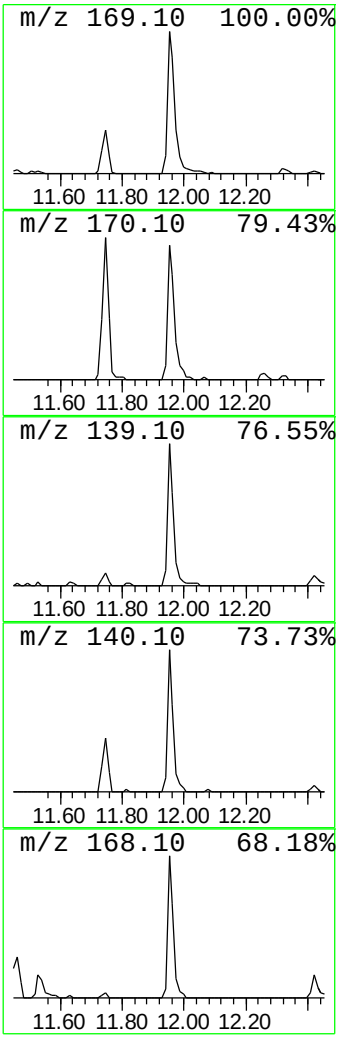
Peak Number 11 unknown11.95 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.25 ng	344822	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	49
2	1-Acenaphthenol	170	C12H10O	006306-07-6	38
3	6-Fluorovanillin	170	C8H7FO3	079418-77-2	35
4	1,2-Dihydro-5-acenaphthylenamine	169	C12H11N	004657-93-6	35
5	1H-Inden-1-ol, 4,7-difluoro-2,3-...	170	C9H8F2O	130408-17-2	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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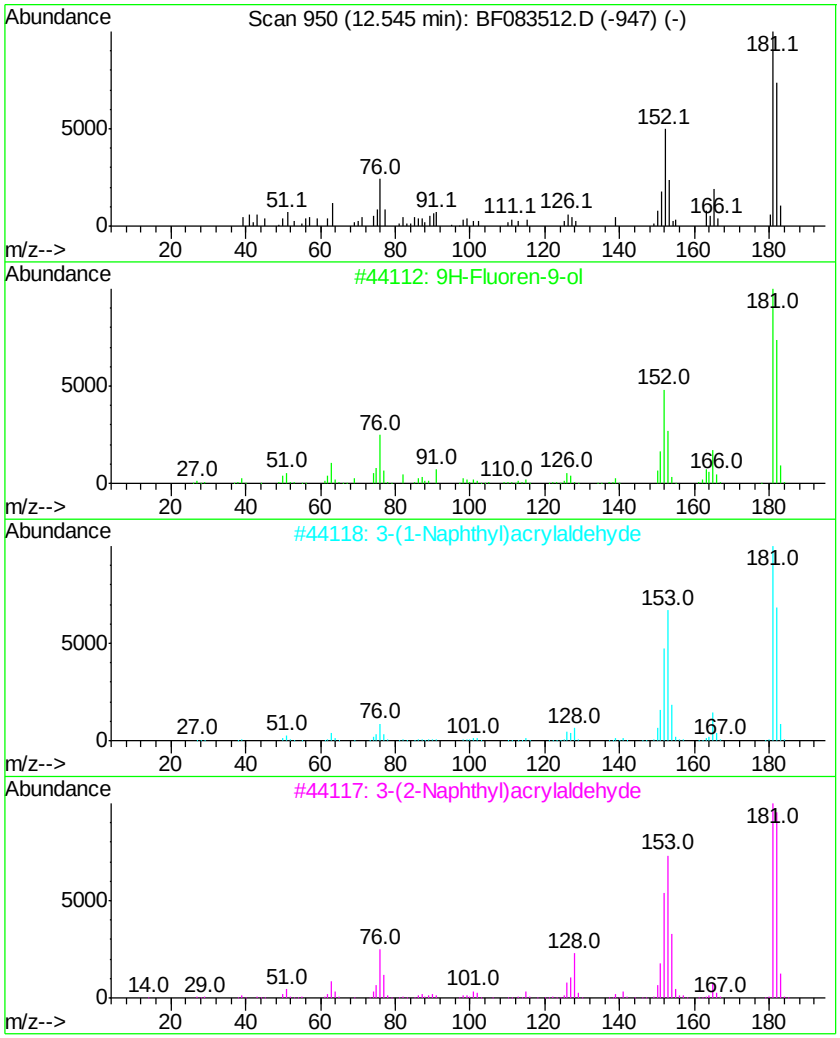
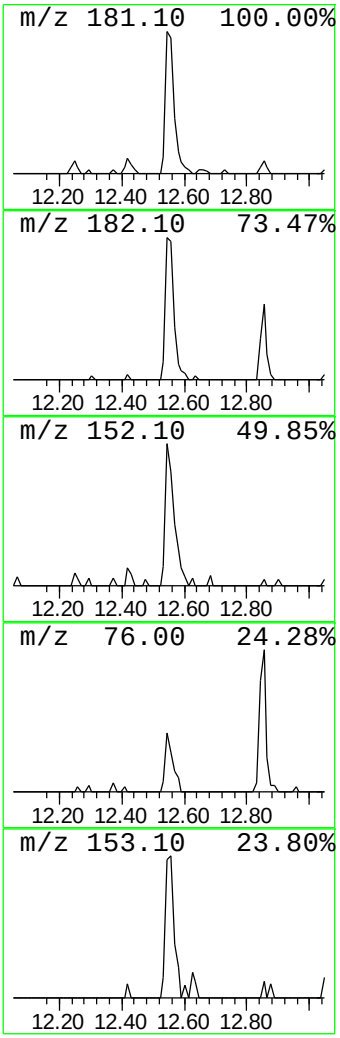
Peak Number 12 9H-Fluoren-9-ol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.84 ng	186284	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	99
2	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	91
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	83
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	81
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	76





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Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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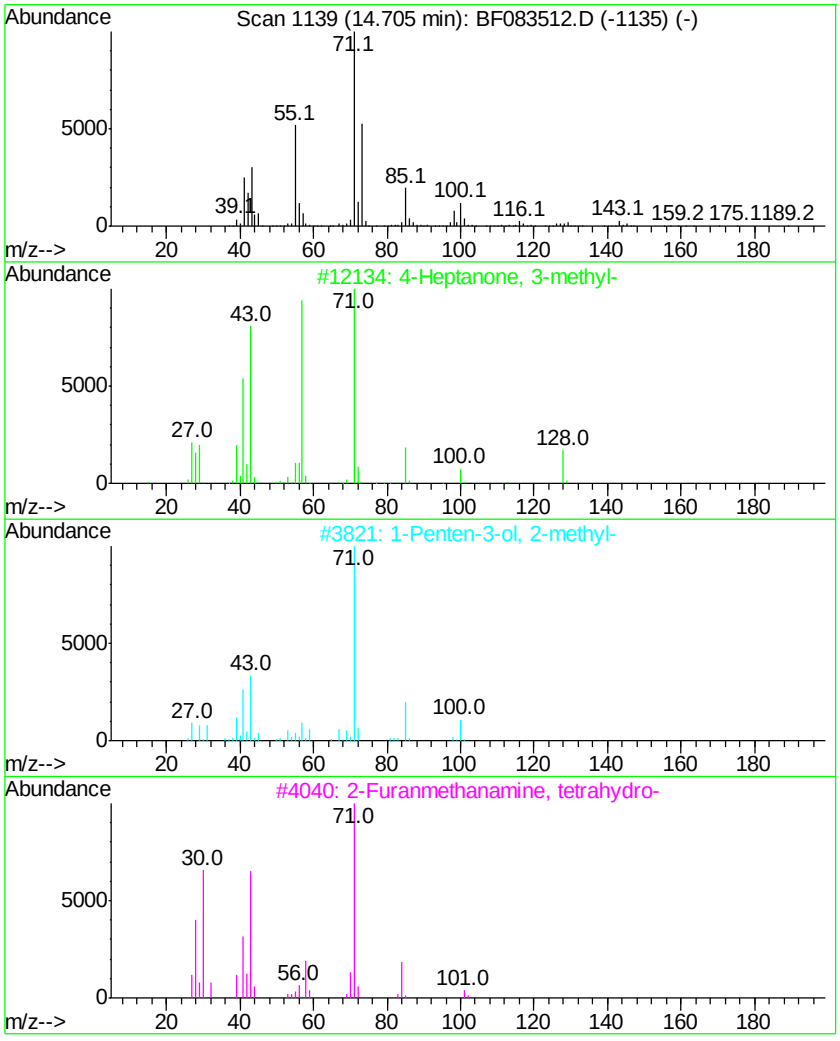
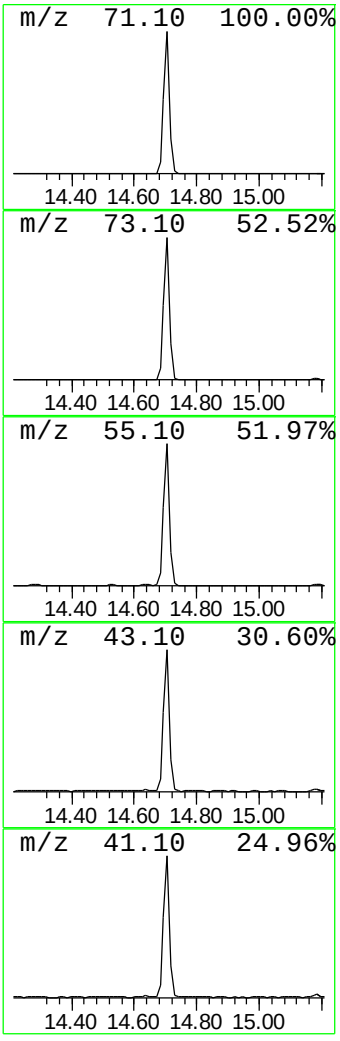
Peak Number 13 4-Heptanone, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	59.24 ng	3891390	Phenanthrene-d10	12.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	64
2	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	59
3	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	50
4	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	47
5	Methylamine, N-(1-methylhexylide...	127	C8H17N	022058-71-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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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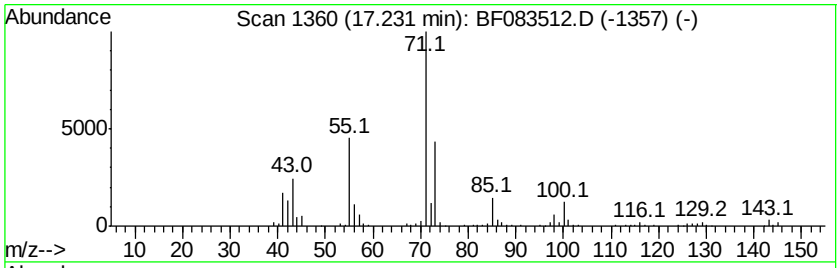
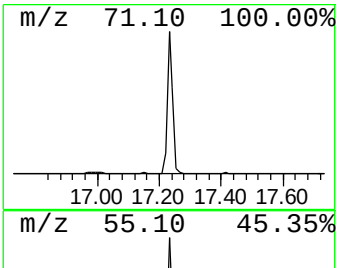
Peak Number 14 Acrolein,dimethyl acetal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	10.42 ng	575195	Chrysene-d12	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	50
2	2(3H)-Furanone, dihydro-3-hydrox...	130	C6H10O3	052126-90-6	50
3	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	45
4	Pantolactone	130	C6H10O3	000599-04-2	40
5	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120415\
Data File : BF083512.D
Acq On : 5 Dec 2015 13:58
Operator : UM/IZ
Sample : G4595-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151125MGP225BRV78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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
Formamide, N,N-di...	2.86	408.5	ng	18111600	1	5.77	886802	20.0
2-Pentanone, 4-hy...	3.60	7.0	ng	312231	1	5.77	886802	20.0
Benzenemethanol, ...	6.30	6.7	ng	294641	1	5.77	886802	20.0
Benzo[b]thiophene	7.78	4.8	ng	284696	2	7.66	1188170	20.0
unknown9.70	9.70	13.6	ng	915170	3	10.45	1343490	20.0
1,6-Dioxacyclodod...	10.98	4.5	ng	301918	3	10.45	1343490	20.0
unknown11.53	11.53	2.8	ng	189216	3	10.45	1343490	20.0
unknown11.95	11.95	5.3	ng	344822	4	12.85	1313830	20.0
9H-Fluoren-9-ol	12.55	2.8	ng	186284	4	12.85	1313830	20.0
4-Heptanone, 3-me...	14.71	59.2	ng	3891390	4	12.85	1313830	20.0
Acrolein,dimethyl...	17.23	10.4	ng	575195	5	17.04	1104410	20.0