LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

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-BF123115.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	4.361	196	199	202	rBV2	58864	87171	1.14%	0.145%
2	5.012	253	256	261	rBV	1128755	1243172	16.20%	2.062%
3	5.104	261	264	266	rVB	82290	104014	1.36%	0.172%
4	5.447	291	294	296	rBV	4350416	3899034	50.80%	6.466%
5	5.847	327	329	331	rBV	139256	129328	1.68%	0.214%
6	6.475	382	384	387	rBV	2460947	2292112	29.86%	3.801%
7	6.613	393	396	398	rBV	6697692	6342085	82.63%	10.517%
8	6.841	414	416	418	rBV	2025181	1680092	21.89%	2.786%
9	7.001	427	430	431	rBV	5847261	5967379	77.74%	9.896%
10	7.024	431	432	434	rVB	185074	135051	1.76%	0.224%
11	7.184	443	446	448	rBV2	57480	80491	1.05%	0.133%
12	7.413	463	466	468	rVB	4406826	5395879	70.30%	8.948%
13	7.618	481	484	485	rVB2	142024	164730	2.15%	0.273%
14	7.664	485	488	489	rBV	80015	105573	1.38%	0.175%
15	7.801	497	500	503	rVB3	94007	192094	2.50%	0.319%
16	7.870	503	506	508	rBV	138343	218877	2.85%	0.363%
17	8.121	526	528	531	rBV	1641810	2273664	29.62%	3.771%
18	8.178	531	533	534	rVV	148736	163187	2.13%	0.271%
19	8.247	538	539	541	rBV2	66525	81049	1.06%	0.134%
20	8.510	560	562	564	rVB	98959	84090	1.10%	0.139%
21	8.601	566	570	572	rBV3	154048	262020	3.41%	0.435%
22	8.716	579	580	582	rVB2	96682	96373	1.26%	0.160%
23	8.796	585	587	588	rBV	192858	185862	2.42%	0.308%
24	8.933	596	599	601	rVV	211233	247756	3.23%	0.411%
25	8.979	601	603	605	rVB2	70745	122527	1.60%	0.203%
26	9.024	605	607	610	rBV4	59444	157715	2.05%	0.262%
27	9.070	610	611	613	rVB2	96330	90558	1.18%	0.150%
28	9.207	620	623	625	rBV	8288283	7675736	100.00%	12.729%
29	9.321	629	633	635	rBV5	74376	205758	2.68%	0.341%
30	9.367	635	637	639	rVV2	133343	192078	2.50%	0.319%
31	9.413	639	641	643	rVB	163075	193899	2.53%	0.322%
32	9.470	643	646	647	rBV2	124839	166610	2.17%	0.276%
33	9.539	650	652	654	rVV2	143367	280706	3.66%	0.466%
34	9.573	654	655	658	rVV2	137930	184835	2.41%	0.307%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.676	661	664	665	rVV2	150847	269002	3.50%	0.446%
36	9.744	667	670	672	rVB	185122	257198	3.35%	0.427%
37	9.881	679	682	684	rBV	2584635	2336372	30.44%	3.875%
38	10.041	694	696	698	rBV3	96464	108802	1.42%	0.180%
39	10.202	707	710	711	rBV	118370	118936	1.55%	0.197%
40	10.304	718	719	721	rVB2	80155	90858	1.18%	0.151%
41	10.430	728	730	732	rBV2	124264	169703	2.21%	0.281%
42	10.510	734	737	739	rVV2	79014	136780	1.78%	0.227%
43	10.670	748	751	754	rBV	4379249	4609016	60.05%	7.643%
44	10.796	760	762	765	rVB3	103898	148784	1.94%	0.247%
45	10.842	765	766	768	rBV	176403	177872	2.32%	0.295%
46	11.367	810	812	814	rBV	2335397	2049367	26.70%	3.399%
47	11.573	828	830	837	rVB8	35204	109260	1.42%	0.181%
48	12.956	948	951	953	rBV	6459696	6172656	80.42%	10.237%
49	13.859	1028	1030	1034	rBV	149409	214362	2.79%	0.355%
50	13.996	1040	1042	1045	rBV	1221436	1405108	18.31%	2.330%
51	15.425	1164	1167	1170	rBV	1047896	1224776	15.96%	2.031%

Sum of corrected areas: 60300357

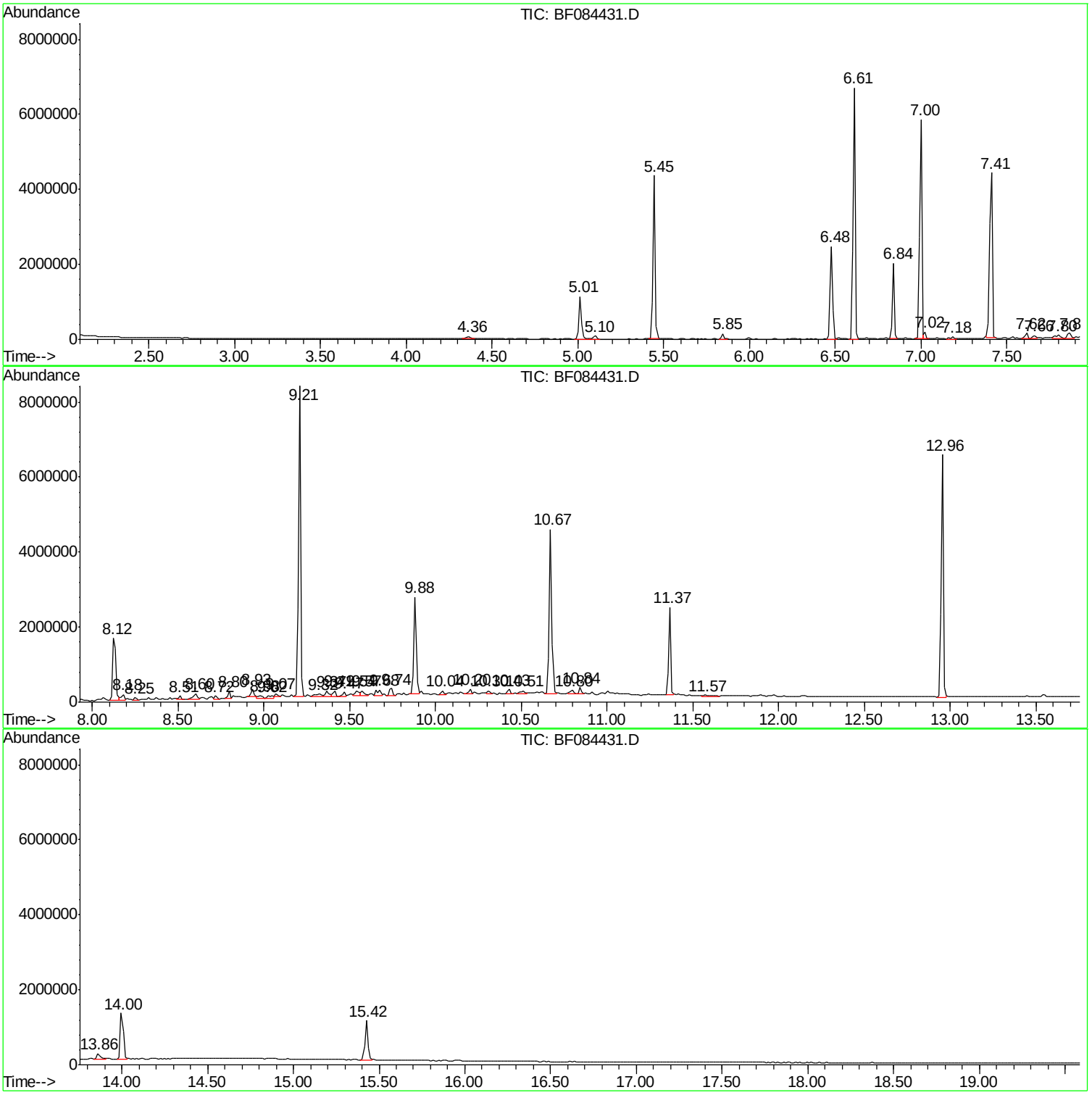
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

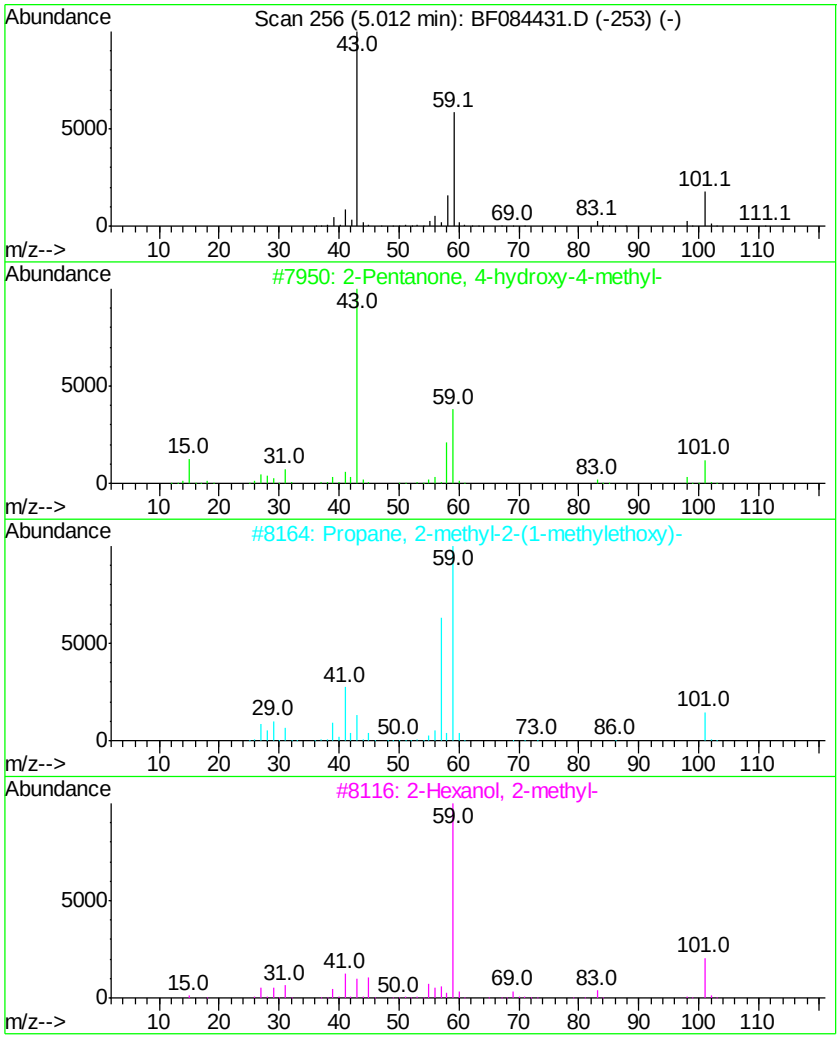
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

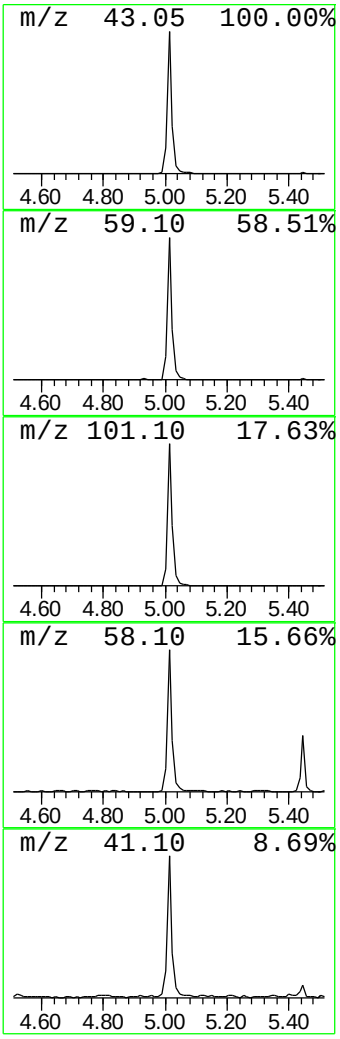
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	14.80 ng	1243170	1,4-Dichlorobenzene-d4	6.84

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	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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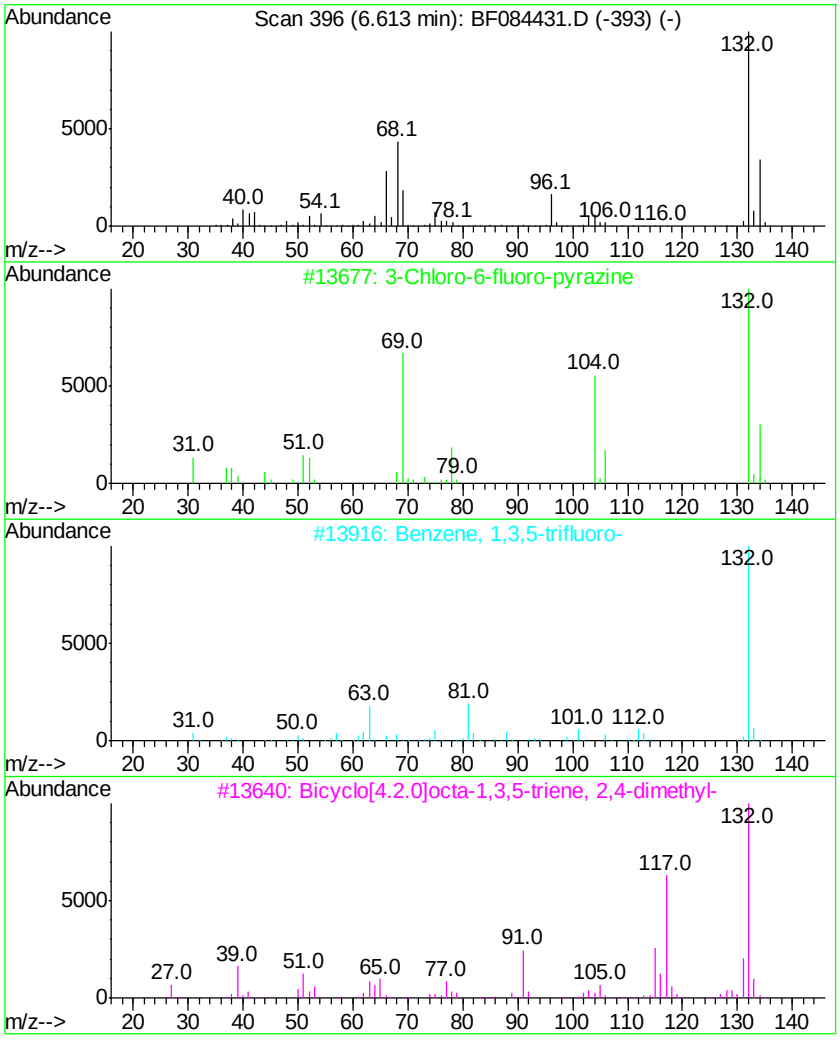
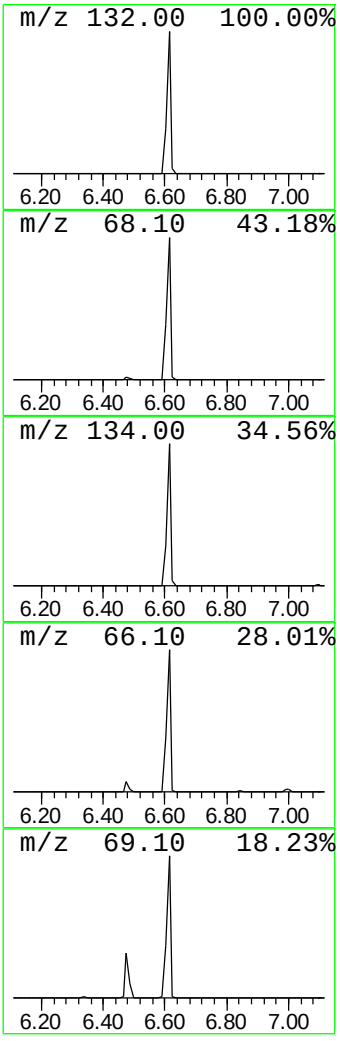
Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	75.50 ng	6342090	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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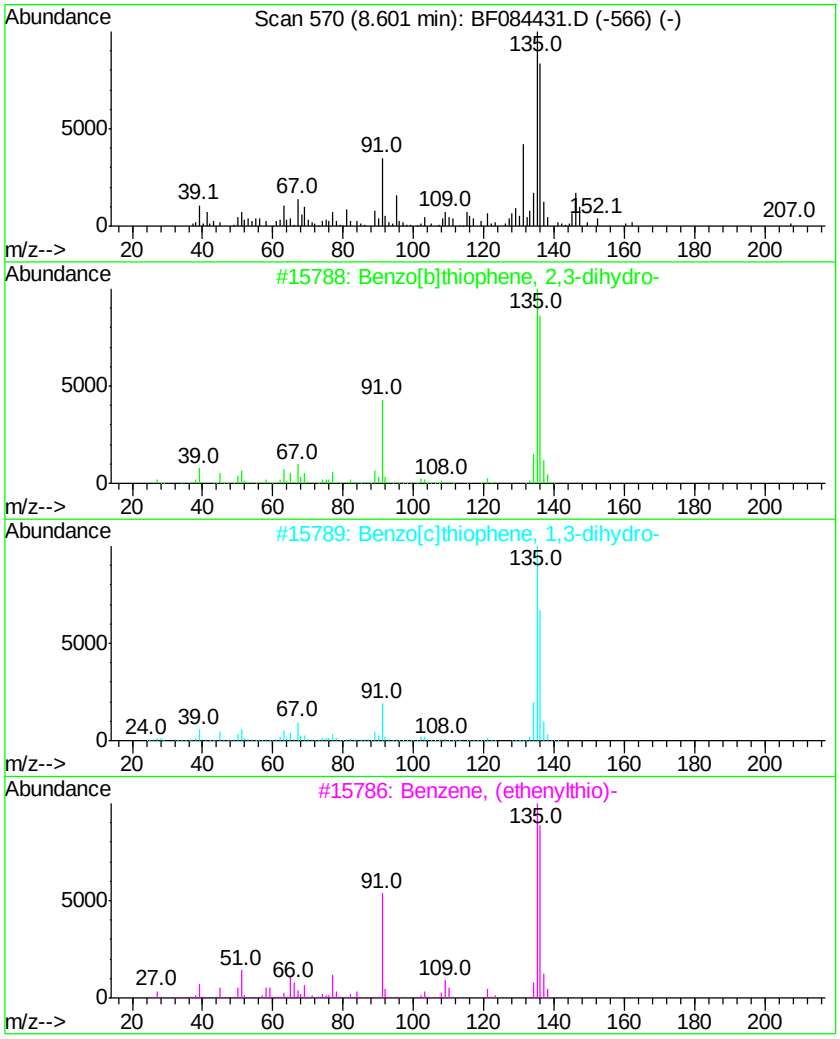
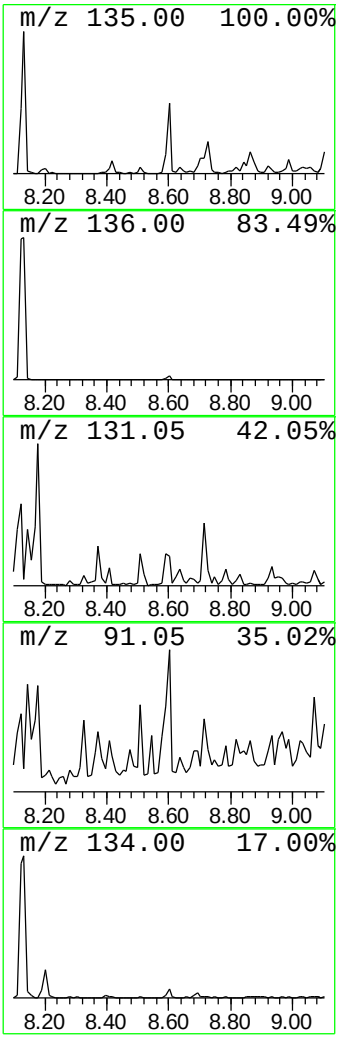
Peak Number 4 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	2.30 ng	262020	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	70
2	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	58
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	58
4	3-Hydroxy-4-methylbenzaldehyde	136	C8H8O2	057295-30-4	52
5	Pyrazine, 2,6-diethyl-	136	C8H12N2	013067-27-1	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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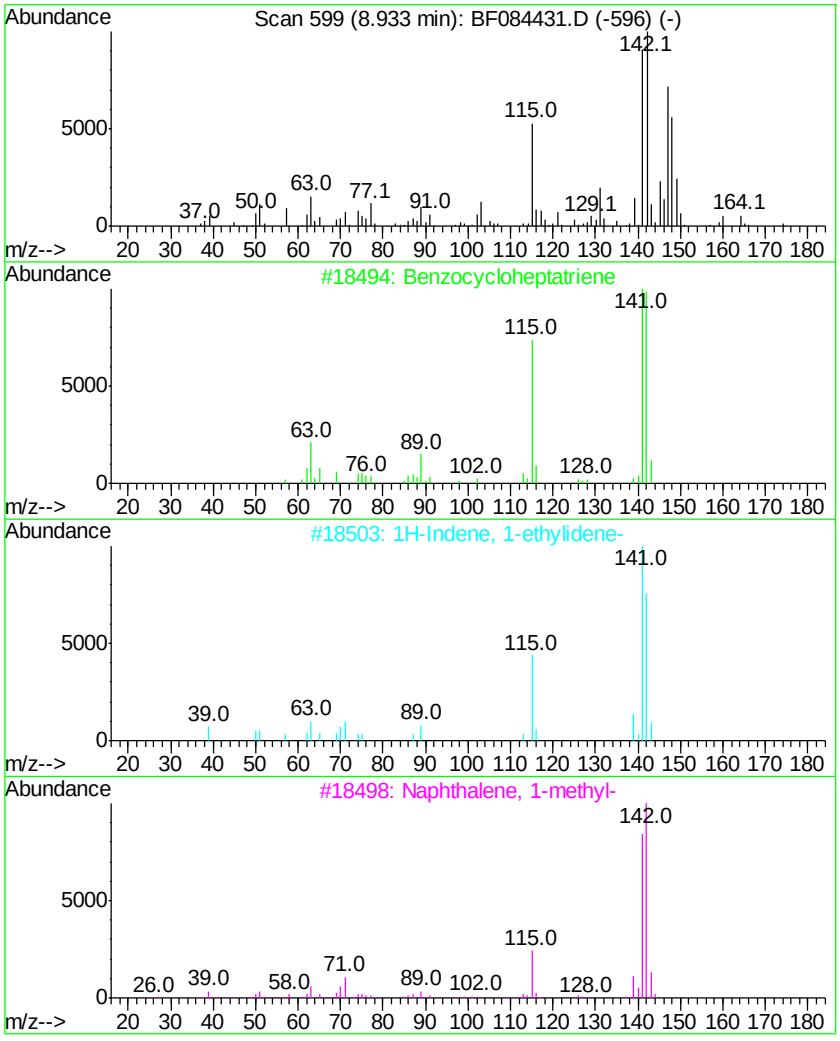
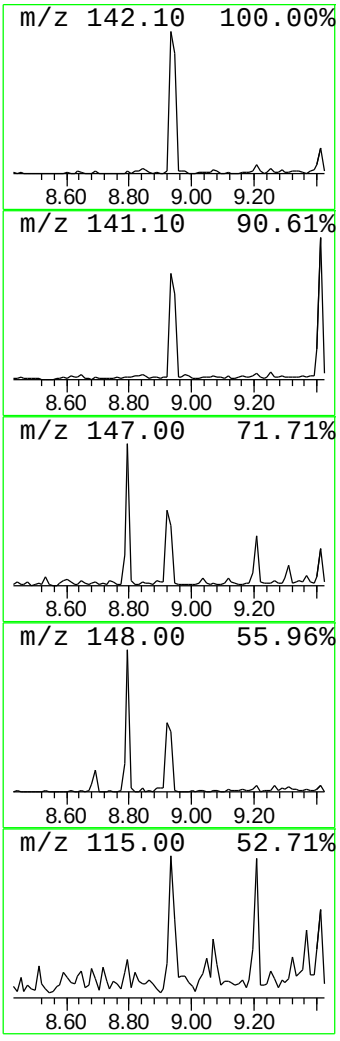
Peak Number 5 Benzocycloheptatriene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	2.18 ng	247756	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	55
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	55
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	55
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	49
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

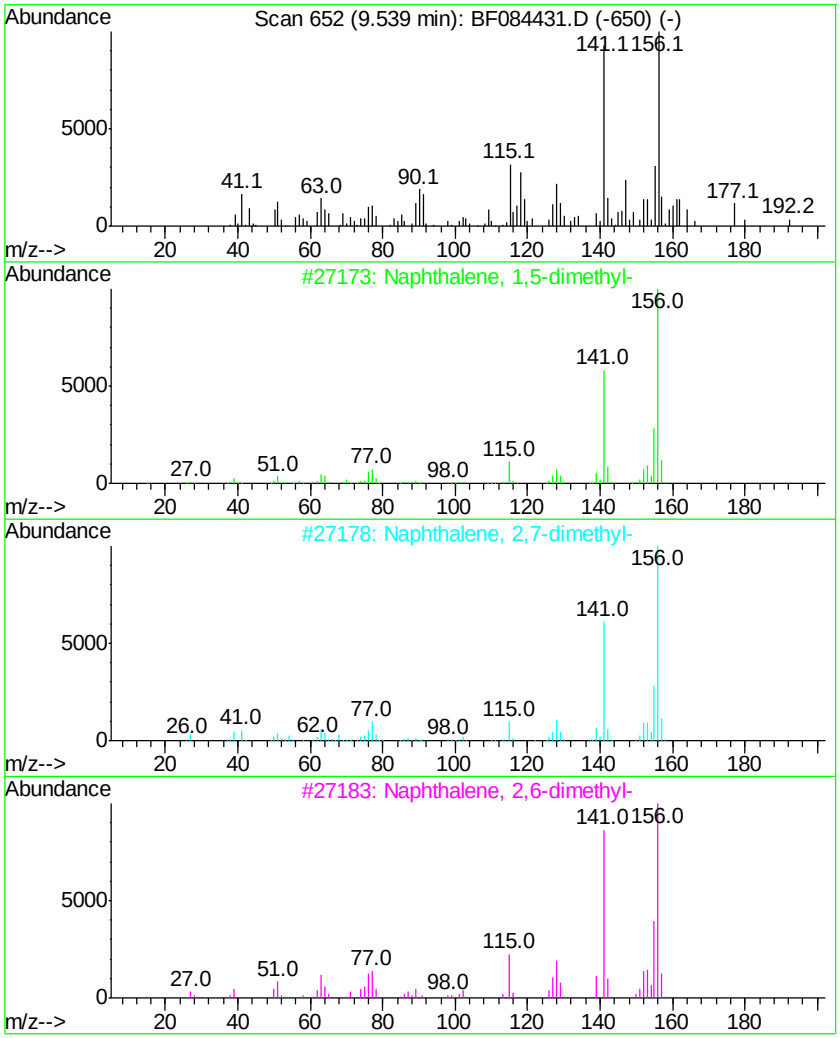
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

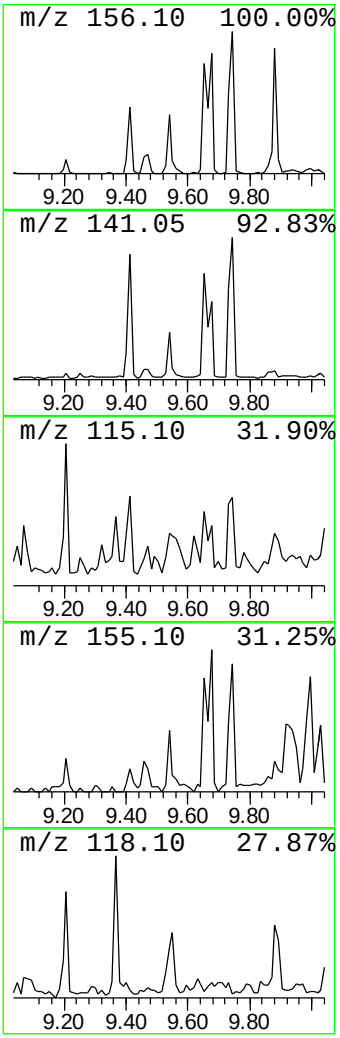
****

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	2.40 ng	280706	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	86
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	86
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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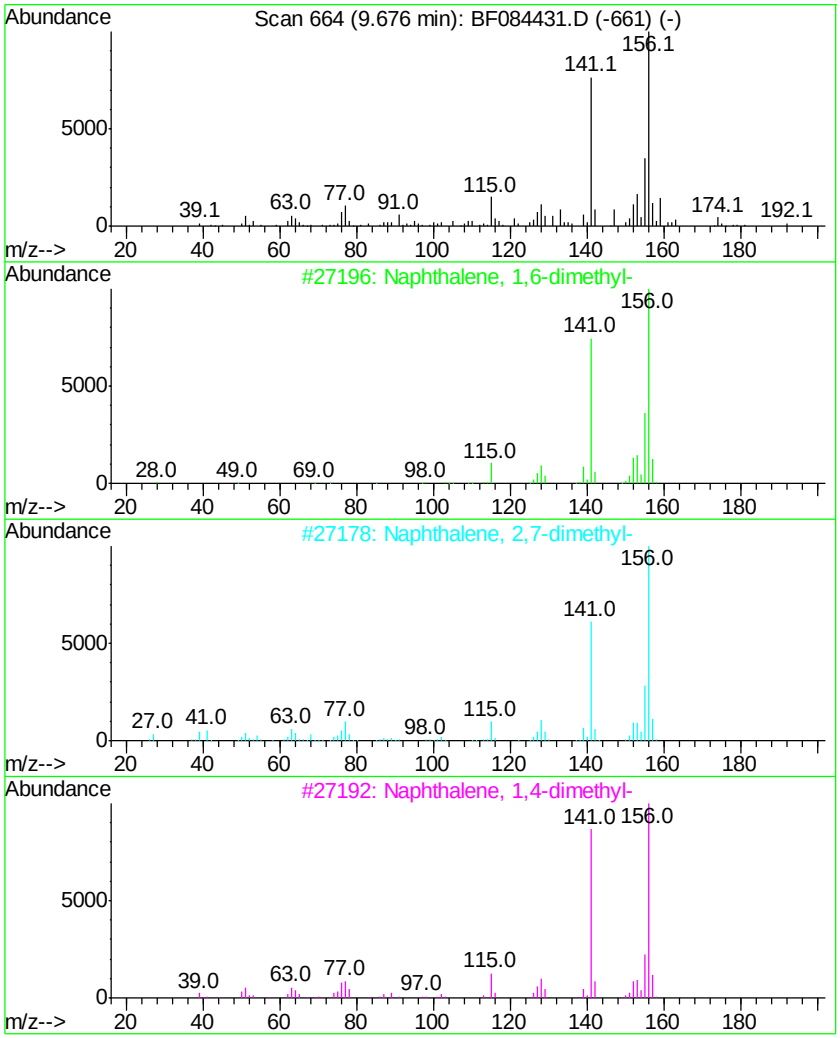
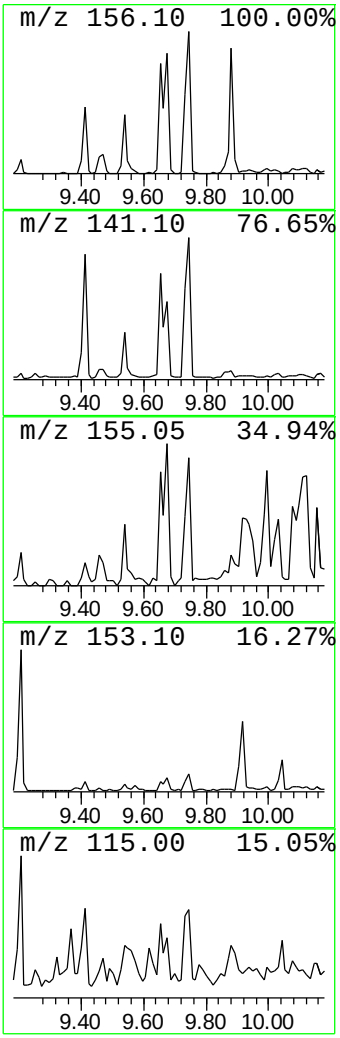
Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	2.30 ng	269002	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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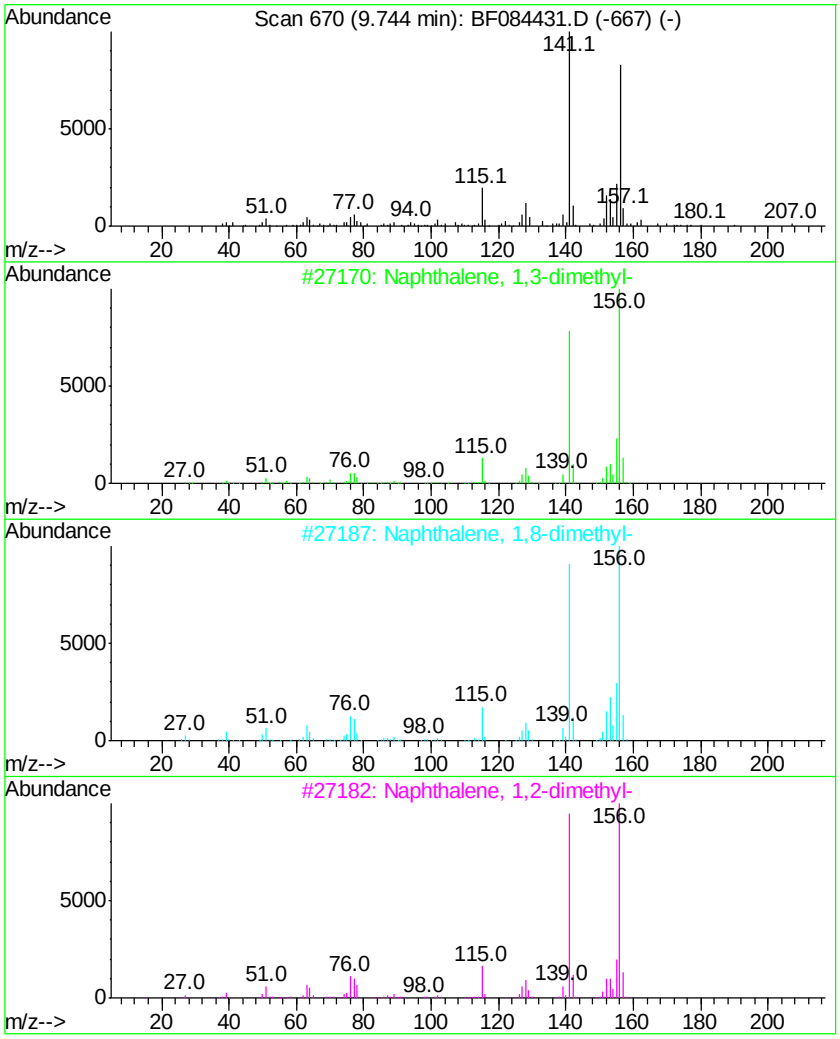
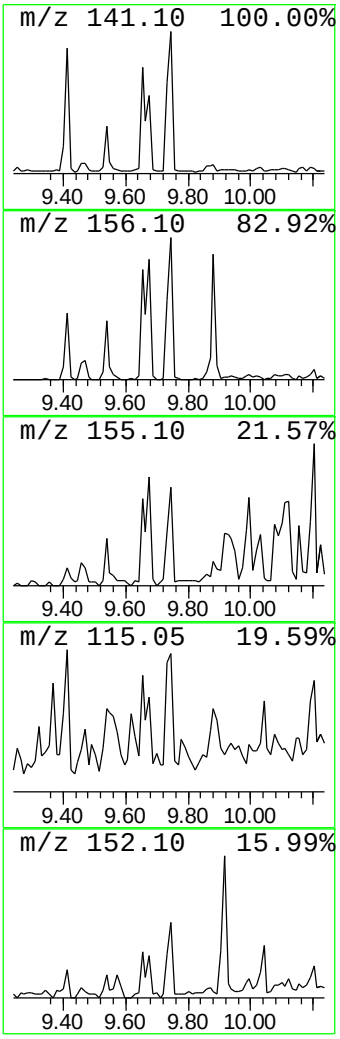
Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	2.20 ng	257198	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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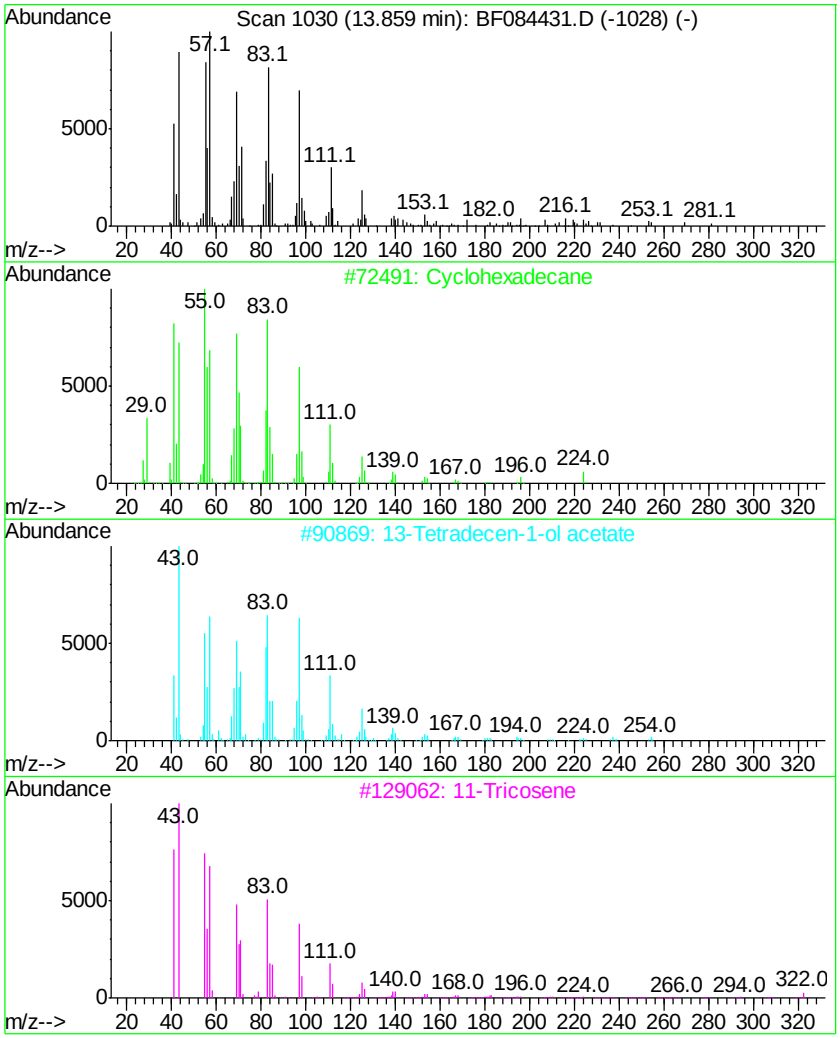
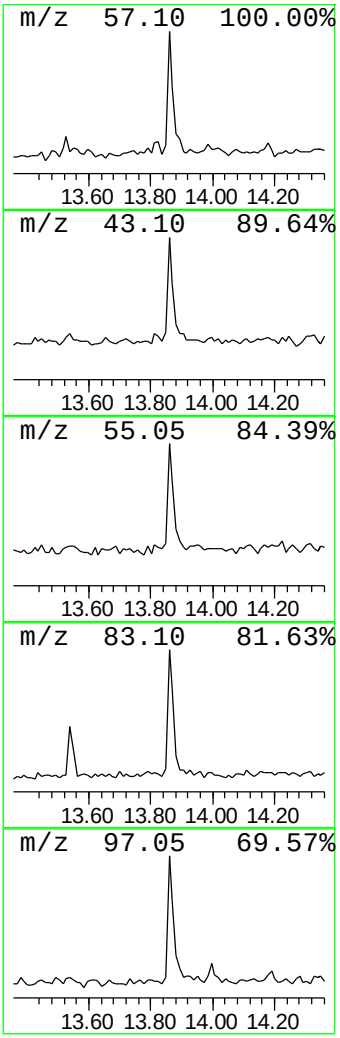
Peak Number 9 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.05 ng	214362	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
3	11-Tricosene	322	C23H46	052078-56-5	91
4	1-Nonadecanol	284	C19H40O	001454-84-8	90
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
Data File : BF084431.D
Acq On : 13 Jan 2016 1:29
Operator : SJ/UM
Sample : H1078-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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...	5.01	14.8	ng	1243170	1	6.84	1680090	20.0
unknown6.61	6.61	75.5	ng	6342090	1	6.84	1680090	20.0
Benzo[b]thiophene...	8.60	2.3	ng	262020	2	8.13	2273660	20.0
Benzocycloheptatr...	8.93	2.2	ng	247756	2	8.13	2273660	20.0
Naphthalene, 1,5-...	9.54	2.4	ng	280706	3	9.88	2336370	20.0
Naphthalene, 1,6-...	9.68	2.3	ng	269002	3	9.88	2336370	20.0
Naphthalene, 1,3-...	9.74	2.2	ng	257198	3	9.88	2336370	20.0
Cyclohexadecane	13.86	3.0	ng	214362	5	14.00	1405110	20.0