LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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	50	rVB	2839481	7151460	100.00%	13.730%
2	4.796	269	272	281	rBV	278255	425885	5.96%	0.818%
3	5.253	309	312	314	rBV	1269338	1906905	26.66%	3.661%
4	5.802	356	360	363	rVB2	57206	83854	1.17%	0.161%
5	6.304	402	404	407	rBV	867026	1279205	17.89%	2.456%
6	6.430	412	415	417	rBV	3984192	3829356	53.55%	7.352%
7	6.613	427	431	433	rBV2	76220	94495	1.32%	0.181%
8	6.659	433	435	439	rVV	1042174	1009267	14.11%	1.938%
9	6.819	446	449	450	rVV	3992589	3930802	54.97%	7.547%
10	6.842	450	451	453	rVV	673532	535240	7.48%	1.028%
11	6.922	456	458	462	rVV2	95417	169195	2.37%	0.325%
12	6.990	462	464	468	rVB2	93340	159742	2.23%	0.307%
13	7.230	483	485	488	rVB	2670368	2748242	38.43%	5.276%
14	7.436	500	503	508	rVB2	169088	254367	3.56%	0.488%
15	7.619	515	519	523	rVB2	303166	435431	6.09%	0.836%
16	7.687	523	525	527	rBV	778133	755589	10.57%	1.451%
17	7.790	530	534	536	rVB4	55518	110117	1.54%	0.211%
18	7.882	539	542	544	rBV3	48647	106849	1.49%	0.205%
19	7.950	545	548	549	rVV	1282187	1479456	20.69%	2.840%
20	7.996	551	552	554	rVB	316709	245211	3.43%	0.471%
21	8.042	554	556	558	rVB2	67991	81551	1.14%	0.157%
22	8.145	563	565	568	rBV	253501	266370	3.72%	0.511%
23	8.190	568	569	571	rBV	167012	198707	2.78%	0.381%
24	8.225	571	572	576	rVB2	147251	182283	2.55%	0.350%
25	8.339	580	582	584	rVB	269787	242760	3.39%	0.466%
26	8.419	584	589	590	rBV	236706	252255	3.53%	0.484%
27	8.453	590	592	595	rVB	238522	235680	3.30%	0.452%
28	8.510	595	597	598	rBV2	79468	79183	1.11%	0.152%
29	8.533	598	599	602	rVB2	77896	107937	1.51%	0.207%
30	8.613	602	606	607	rBV2	265768	359465	5.03%	0.690%
31	8.659	607	610	612	rBV	573661	563963	7.89%	1.083%
32	8.762	616	619	621	rBV	1015263	1191200	16.66%	2.287%
33	8.796	621	622	625	rVB	107964	113080	1.58%	0.217%
34	8.853	625	627	629	rBV3	62559	86306	1.21%	0.166%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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

35	8.899	629	631	633	rVB2	55890	102261	1.43%	0.196%
36	9.025	640	642	645	rBV	4749502	4949992	69.22%	9.503%
37	9.128	648	651	653	rBV4	41945	77757	1.09%	0.149%
38	9.173	653	655	656	rVB	104400	94600	1.32%	0.182%
39	9.196	656	657	658	rBV	100215	116822	1.63%	0.224%
40	9.230	658	660	662	rVB	168021	214780	3.00%	0.412%
41	9.288	662	665	668	rBV2	256762	386851	5.41%	0.743%
42	9.356	669	671	673	rBV	510427	640883	8.96%	1.230%
43	9.471	680	681	686	rVB	230162	407075	5.69%	0.782%
44	9.562	686	689	691	rVB	141072	209184	2.93%	0.402%
45	9.699	698	701	702	rVV	1411740	1496553	20.93%	2.873%
46	9.722	702	703	708	rVV2	113625	180915	2.53%	0.347%
47	9.802	708	710	712	rVV	67916	99171	1.39%	0.190%
48	9.905	717	719	720	rVB	95907	105475	1.47%	0.203%
49	9.939	720	722	724	rVB	93492	98354	1.38%	0.189%
50	10.008	726	728	730	rBV	113185	170301	2.38%	0.327%
51	10.042	730	731	733	rVB2	76481	76414	1.07%	0.147%
52	10.122	733	738	741	rVB4	95047	212456	2.97%	0.408%
53	10.191	741	744	746	rBV3	74569	98124	1.37%	0.188%
54	10.236	746	748	750	rVB2	138685	152092	2.13%	0.292%
55	10.305	752	754	757	rBV	221006	286703	4.01%	0.550%
56	10.488	767	770	772	rBV	3030393	3066703	42.88%	5.888%
57	10.613	779	781	784	rVB2	69220	87066	1.22%	0.167%
58	10.819	797	799	805	rVB2	104849	208926	2.92%	0.401%
59	11.059	815	820	824	rBV4	27248	94281	1.32%	0.181%
60	11.174	828	830	834	rVV	1295808	1191571	16.66%	2.288%
61	11.288	838	840	844	rVB	79114	77179	1.08%	0.148%
62	11.414	849	851	855	rVB	114622	124229	1.74%	0.239%
63	11.711	875	877	881	rBV	173706	202810	2.84%	0.389%
64	11.939	895	897	901	rVB2	105184	134791	1.88%	0.259%
65	12.214	919	921	924	rVV	56040	84452	1.18%	0.162%
66	12.762	967	969	971	rVV	4610359	4171027	58.32%	8.008%
67	13.802	1058	1060	1063	rBV	1006488	942300	13.18%	1.809%
68	15.174	1178	1180	1183	rBV	631859	852868	11.93%	1.637%

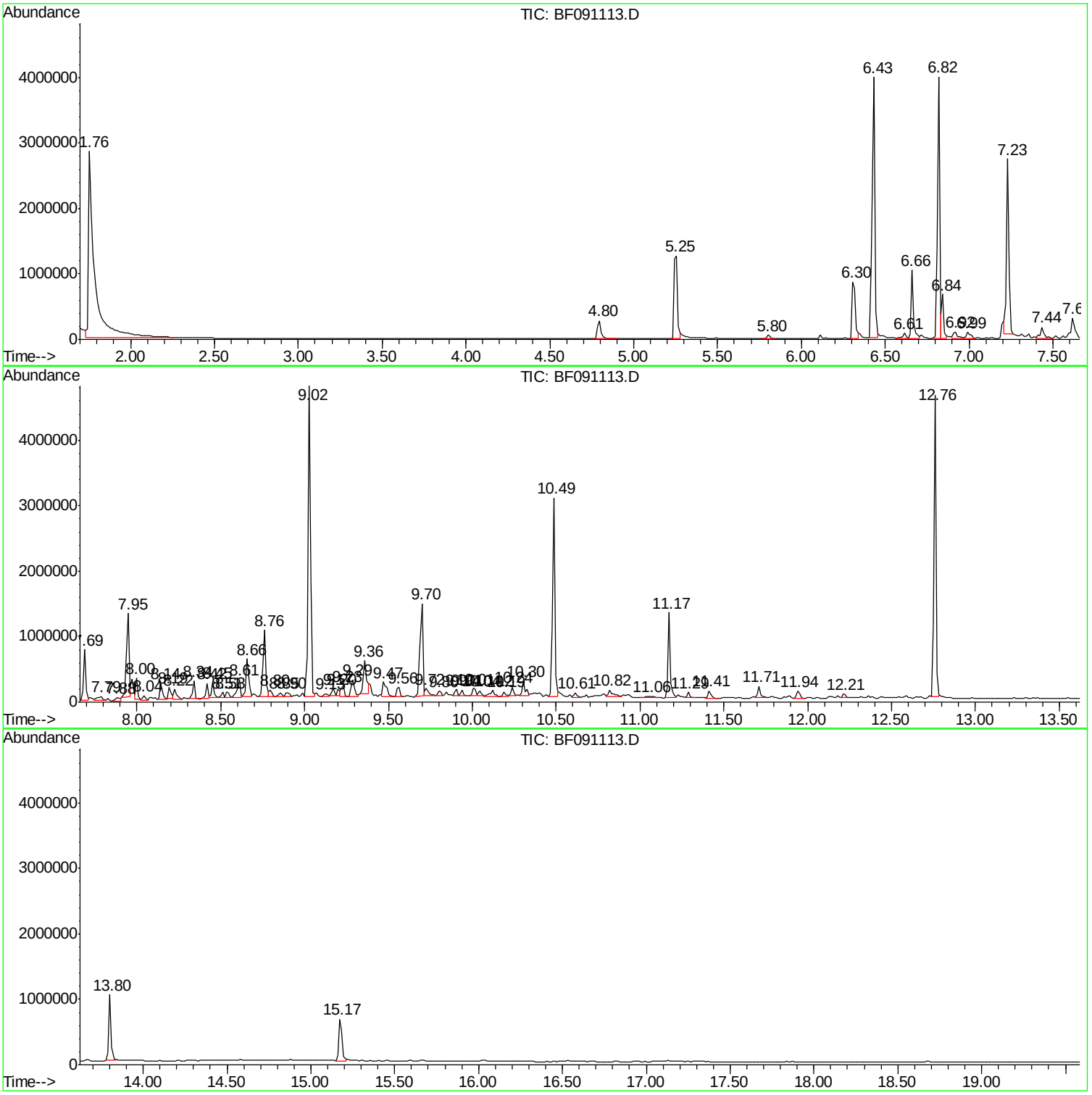
Sum of corrected areas: 52086374

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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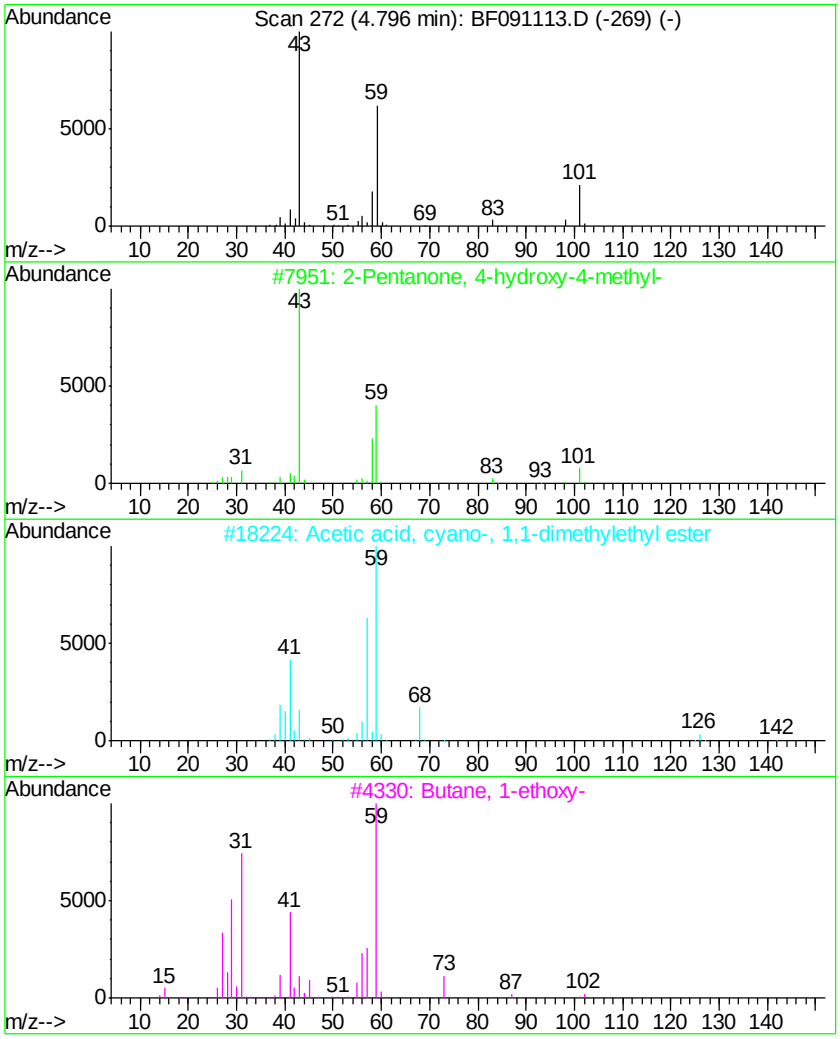
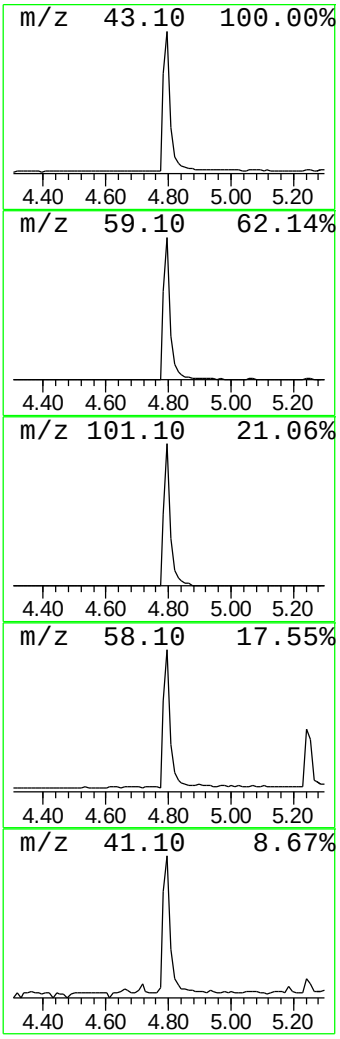
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	8.44 ng	425885	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	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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

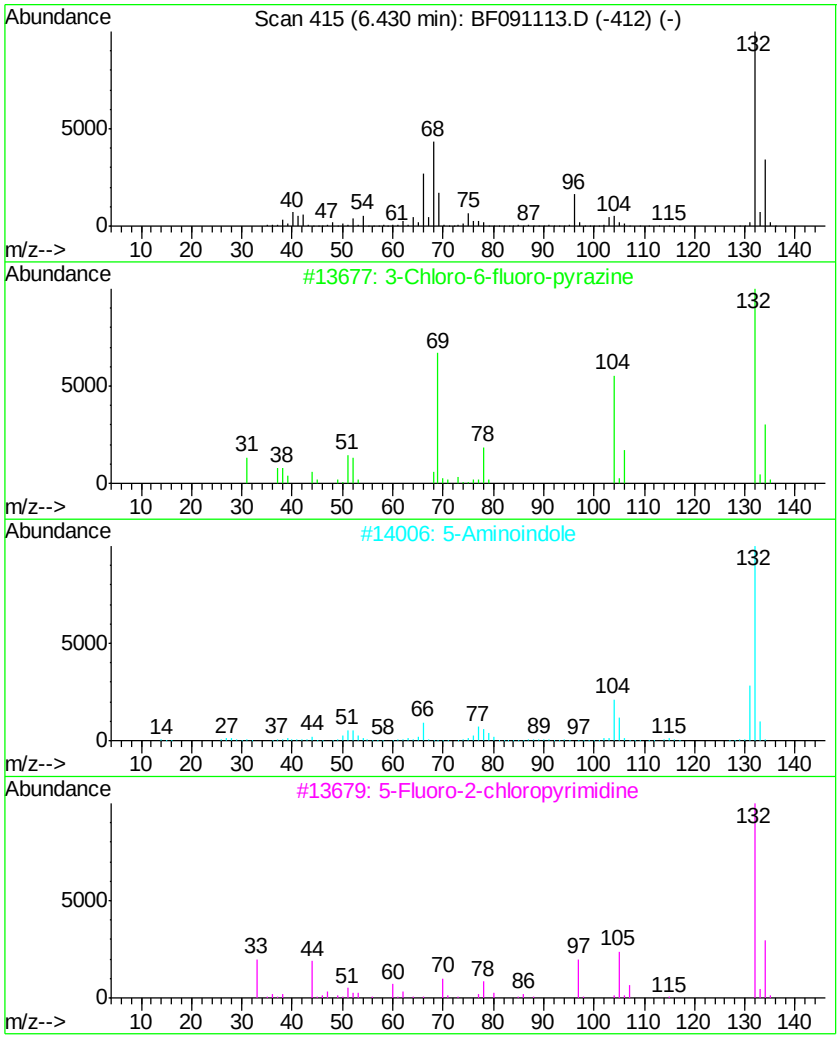
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

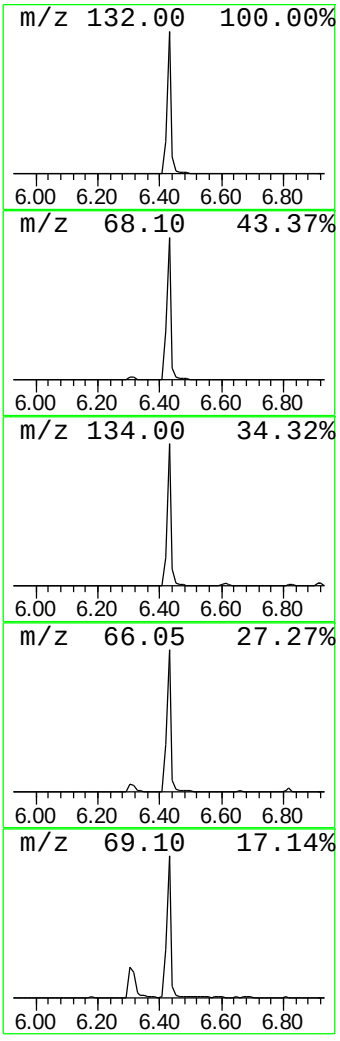
****

Peak Number 3 unknown6.43 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	75.88 ng	3829360	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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

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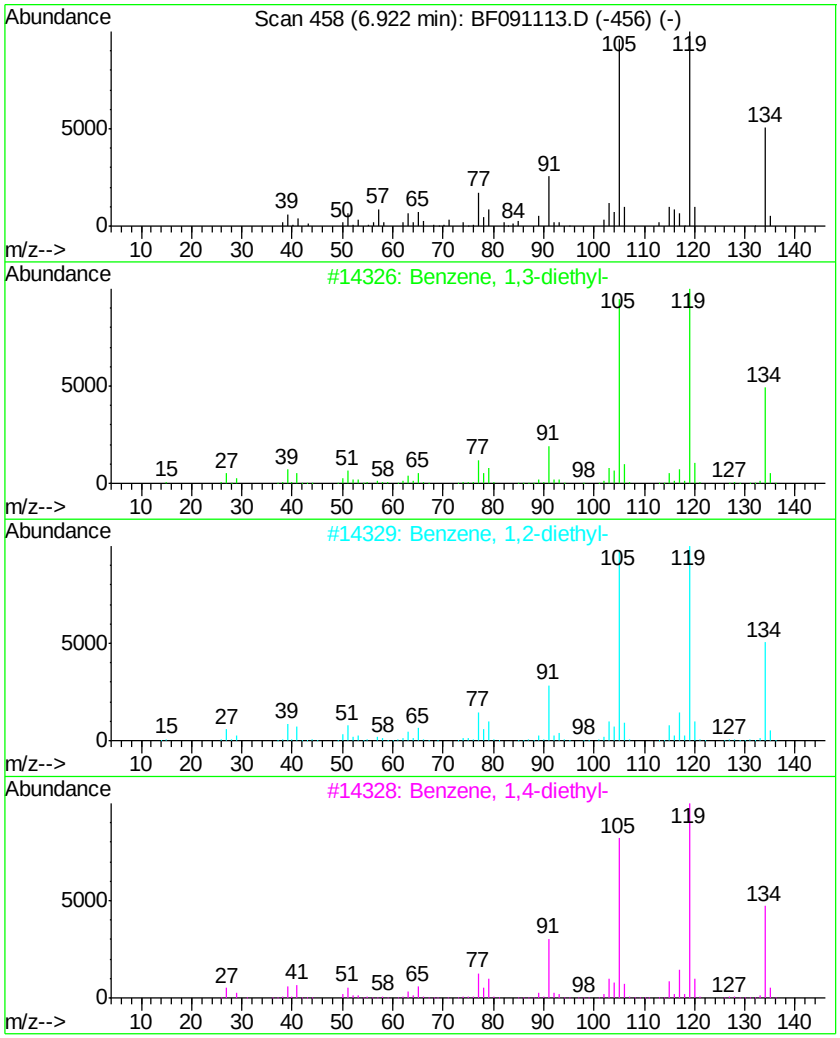
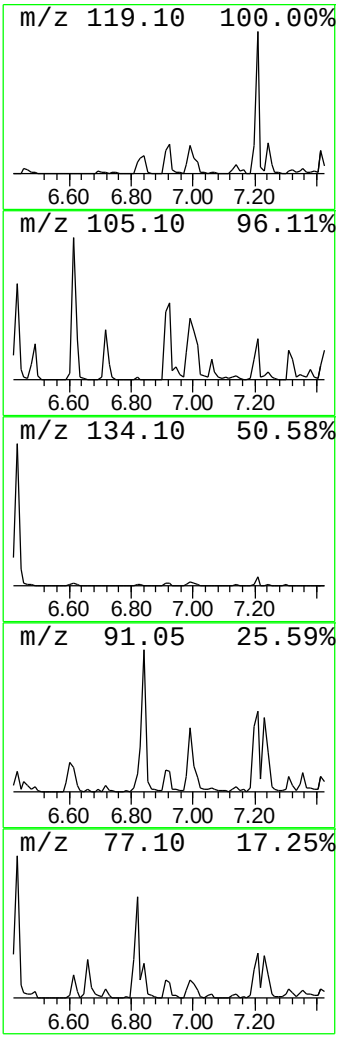
Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	3.35 ng	169195	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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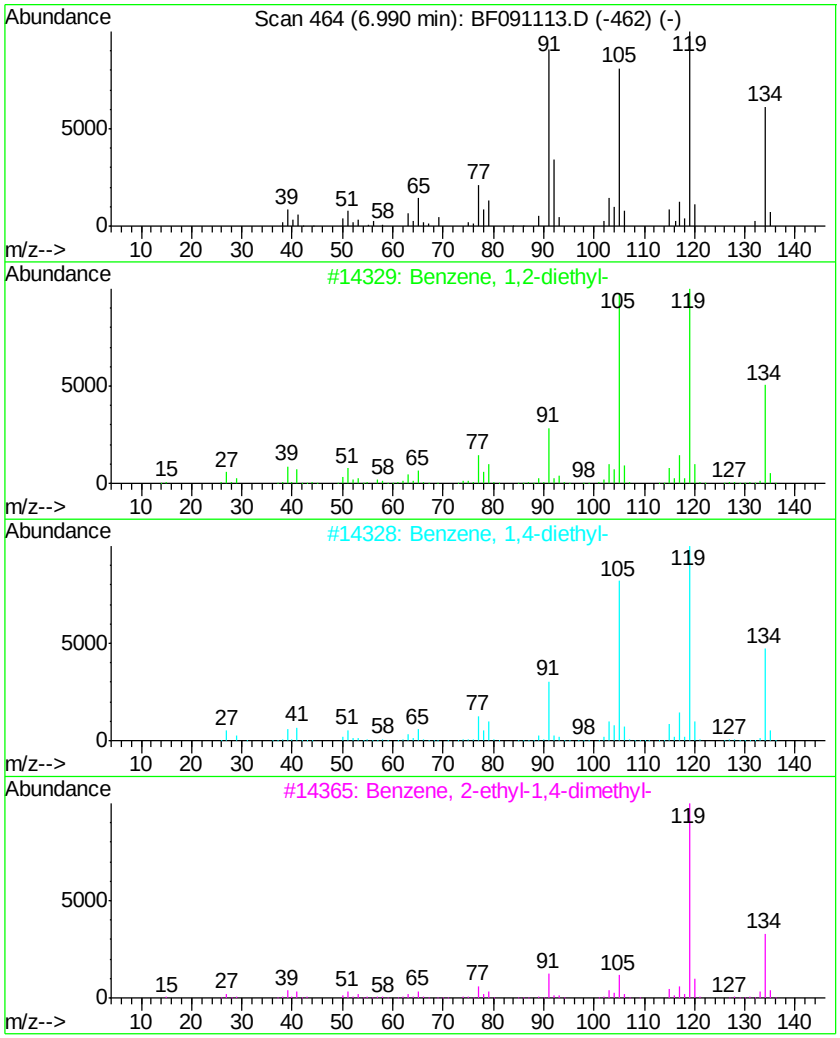
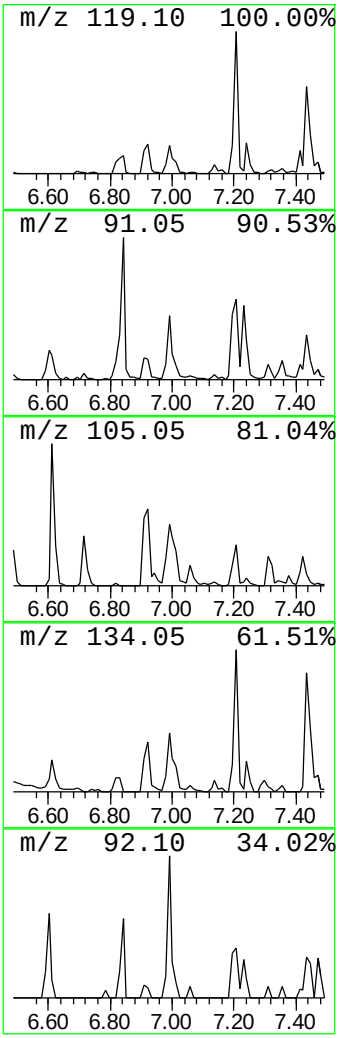
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	3.17 ng	159742	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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

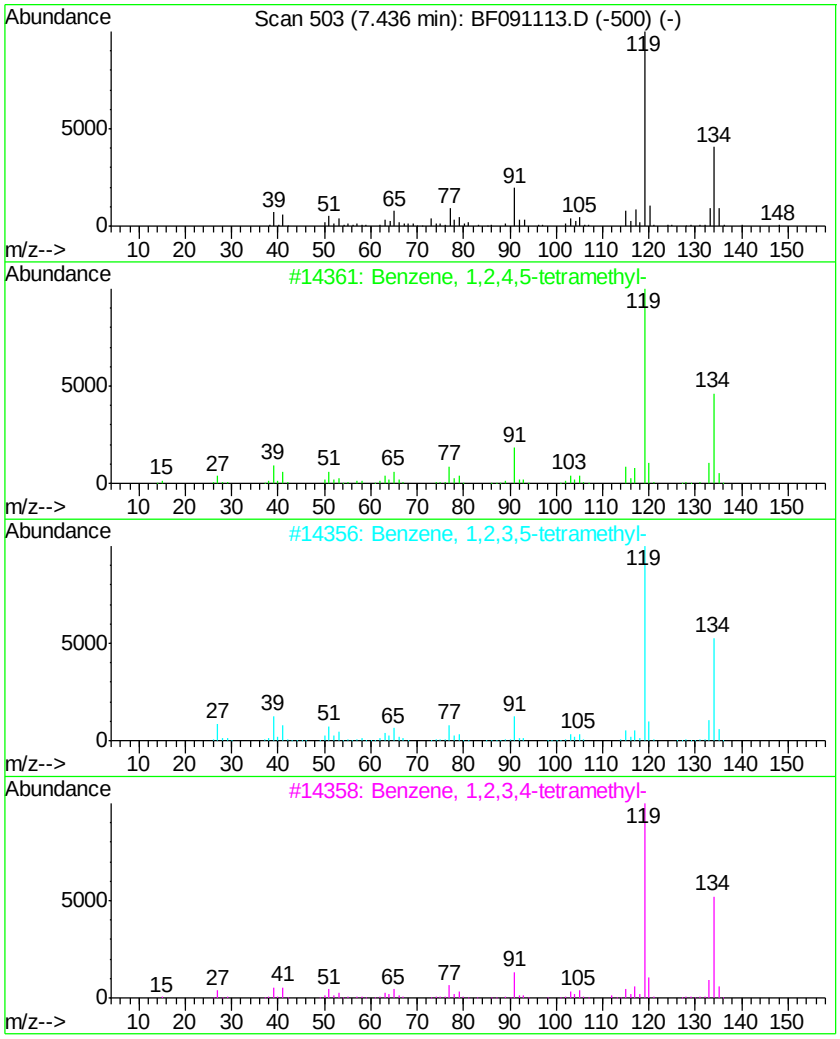
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

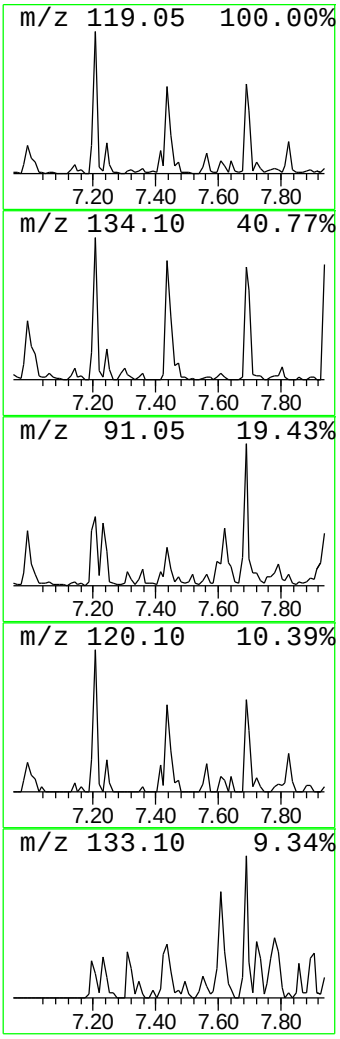
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	3.44 ng	254367	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Instrument : BNA_F
ClientSampleId : ERM33

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

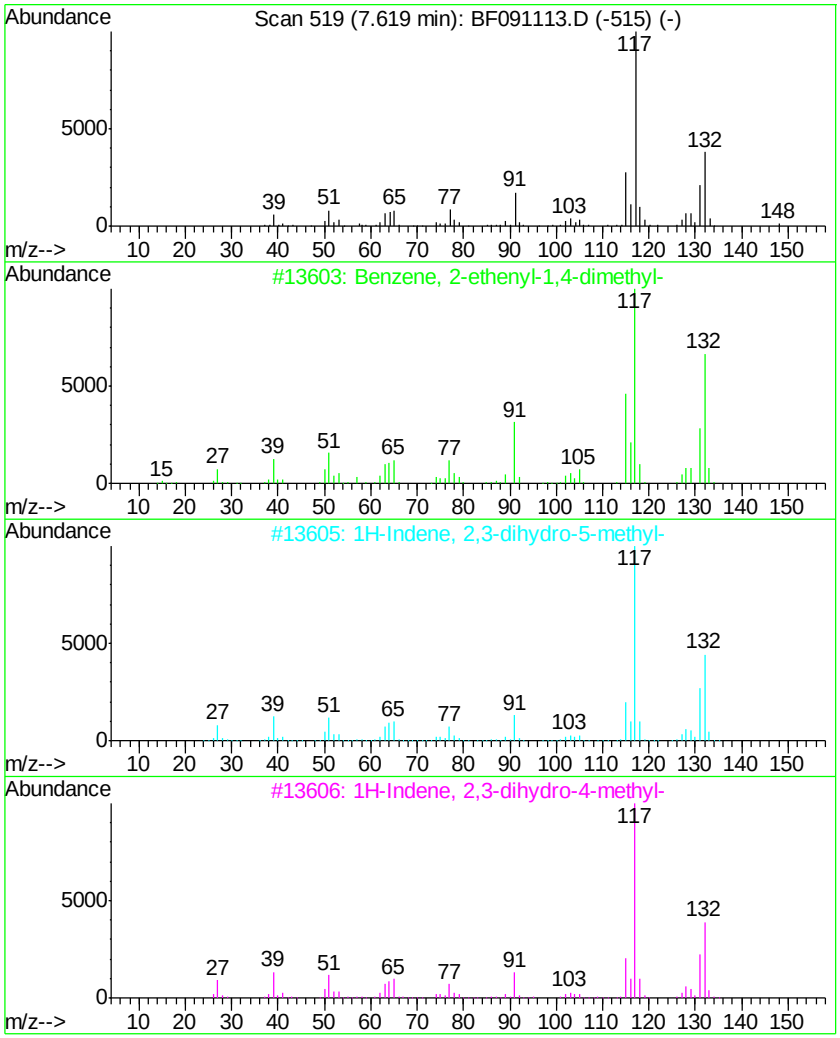
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

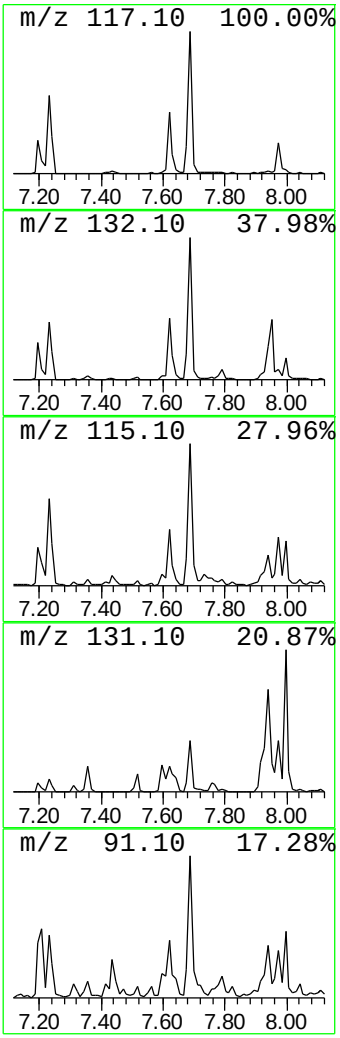
****

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	5.89 ng	435431	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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

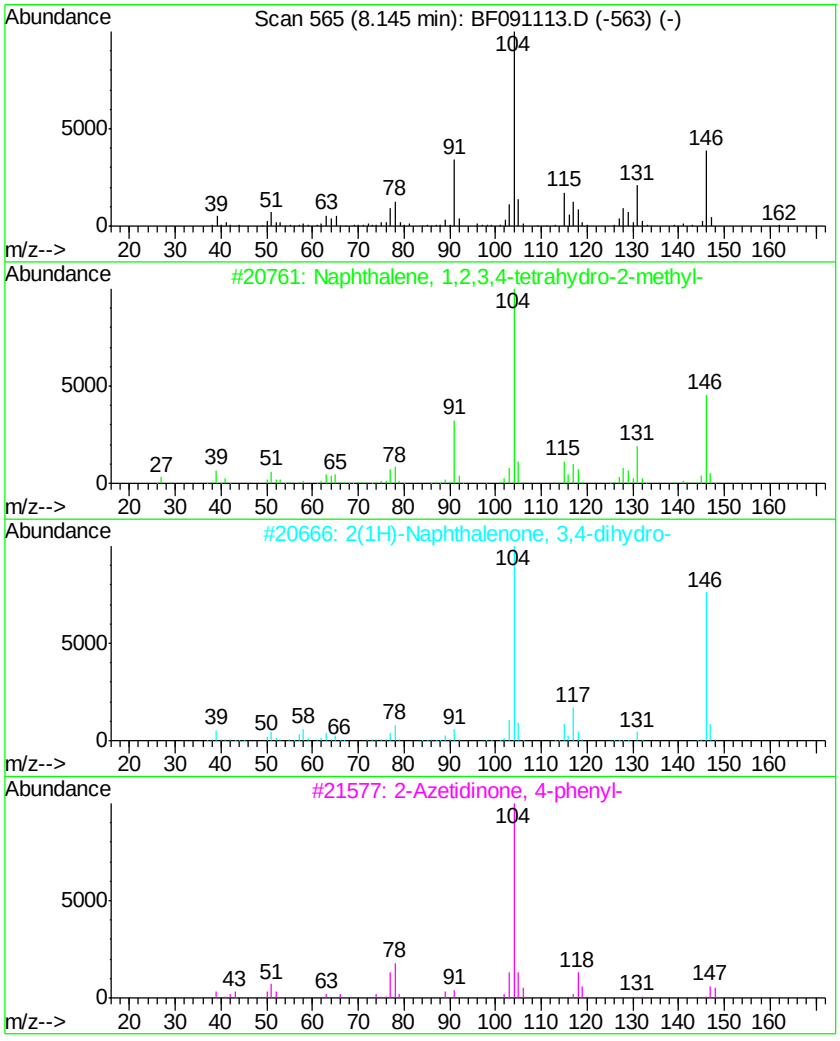
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

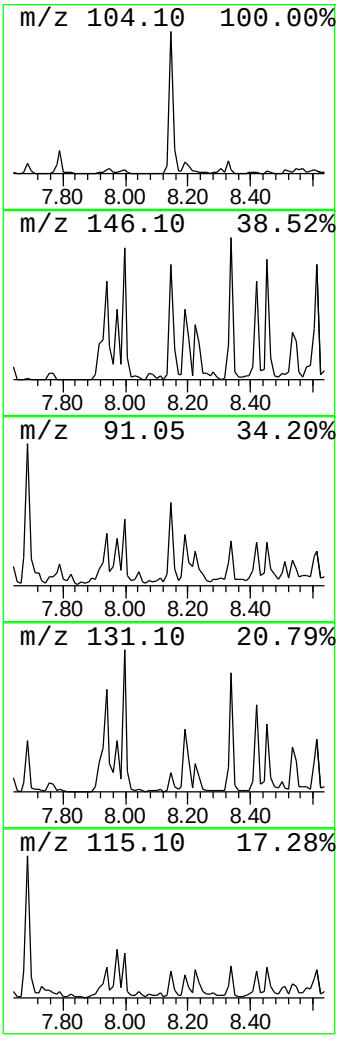
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	3.60 ng	266370	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	96
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	72
3	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	43
4	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	43
5	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	43





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Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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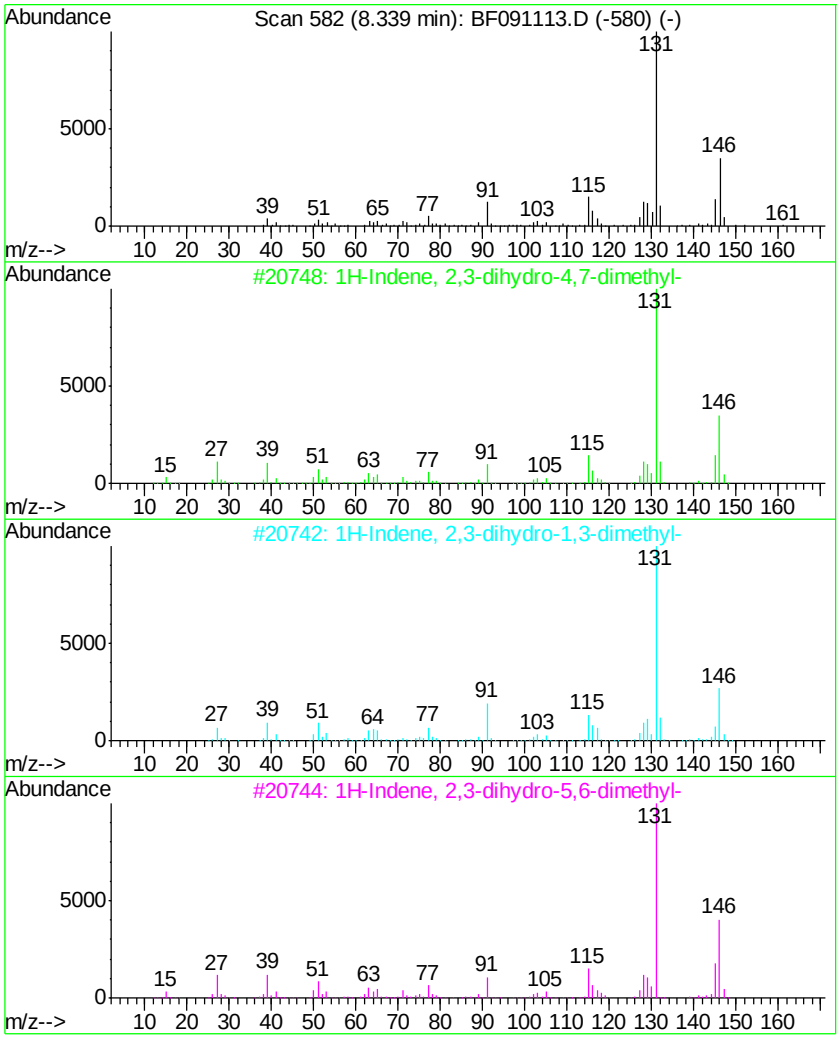
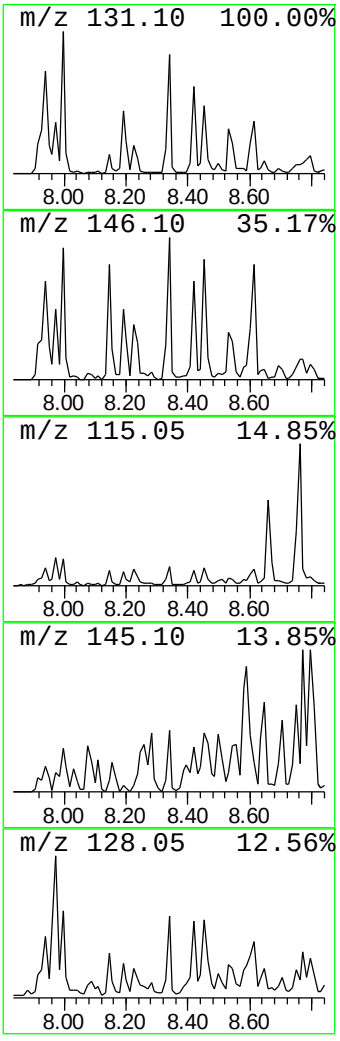
Peak Number 10 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	3.28 ng	242760	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91





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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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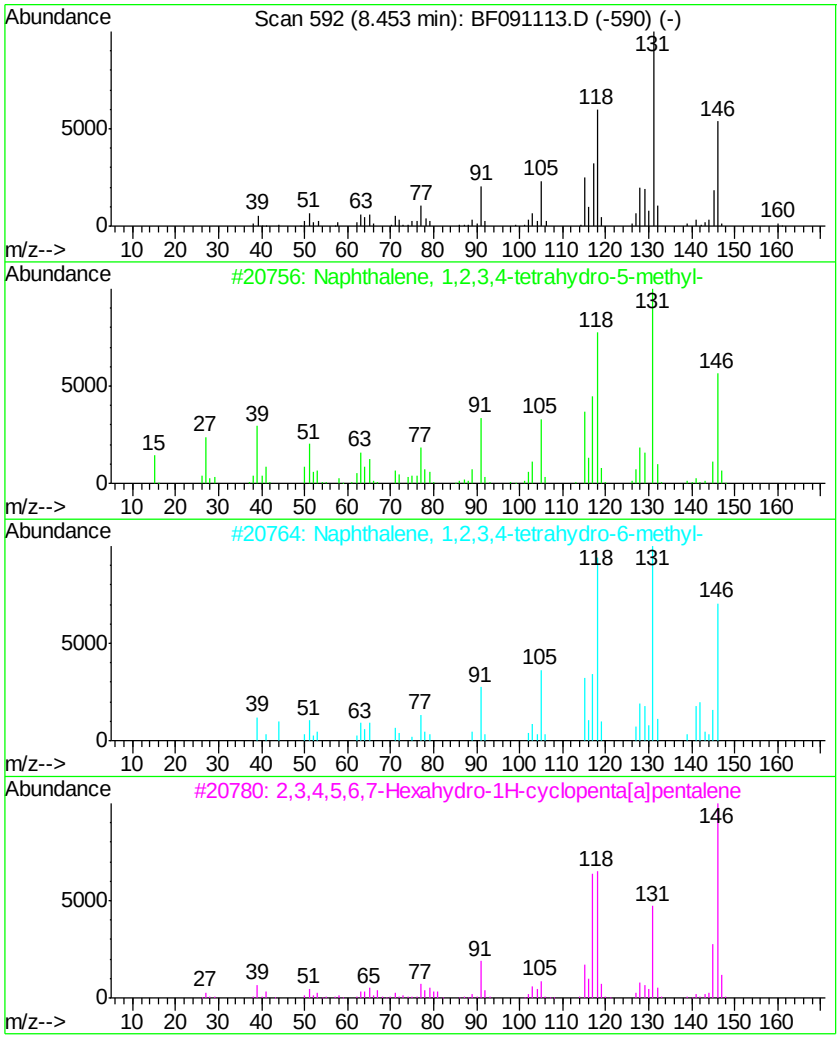
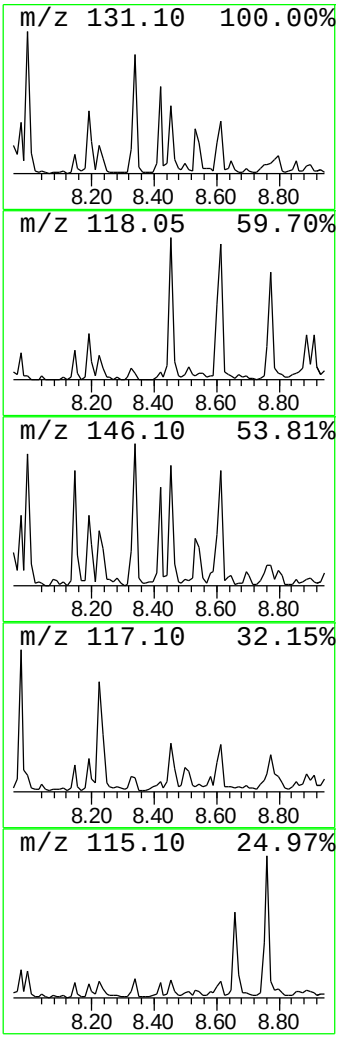
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.19 ng	235680	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	72
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70





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Acq On : 9 Nov 2016 6:28
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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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

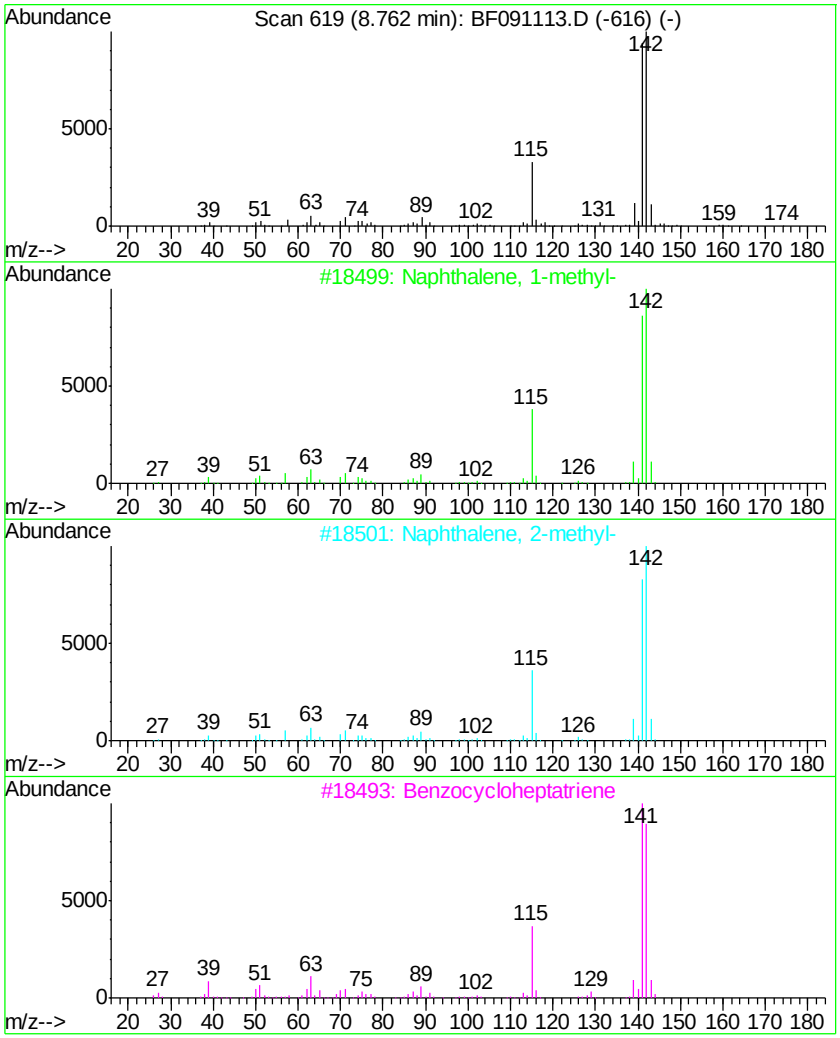
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

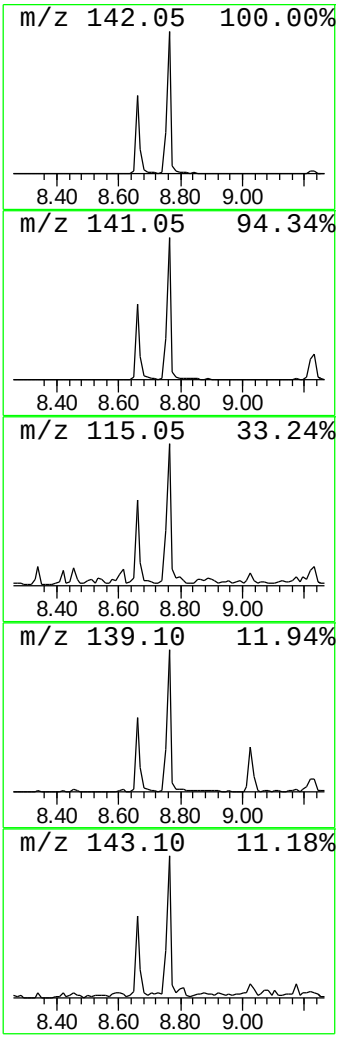
****

Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	16.10 ng	1191200	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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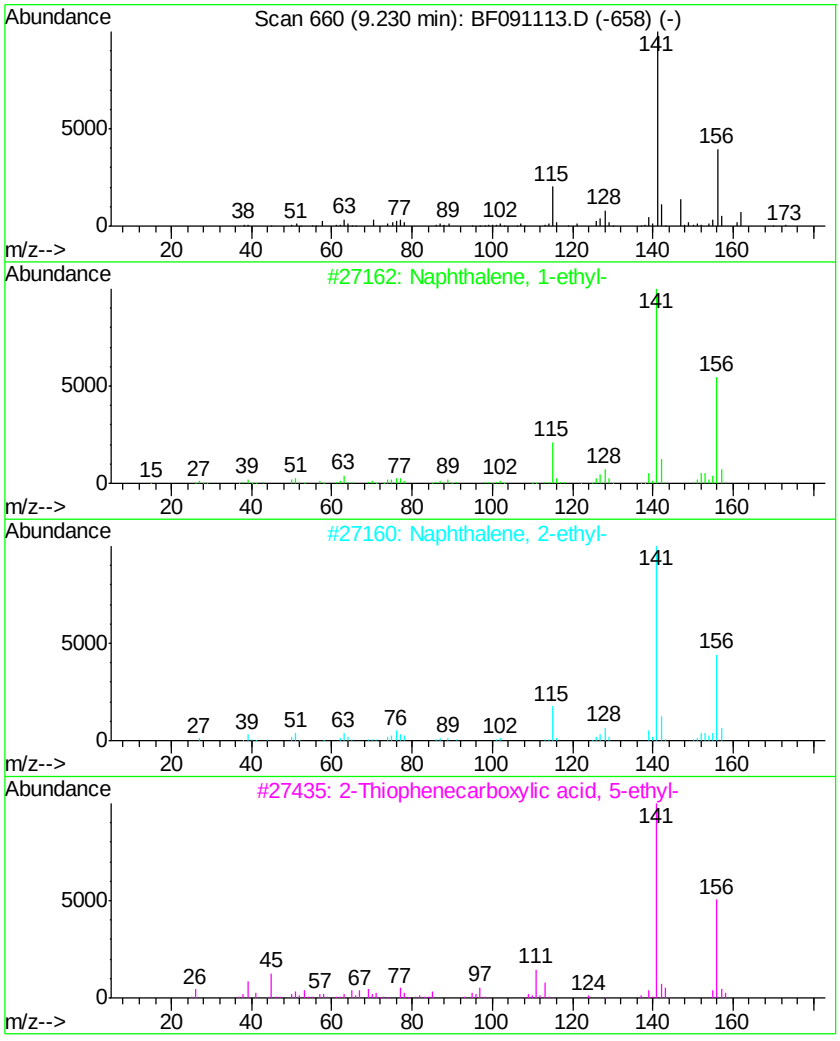
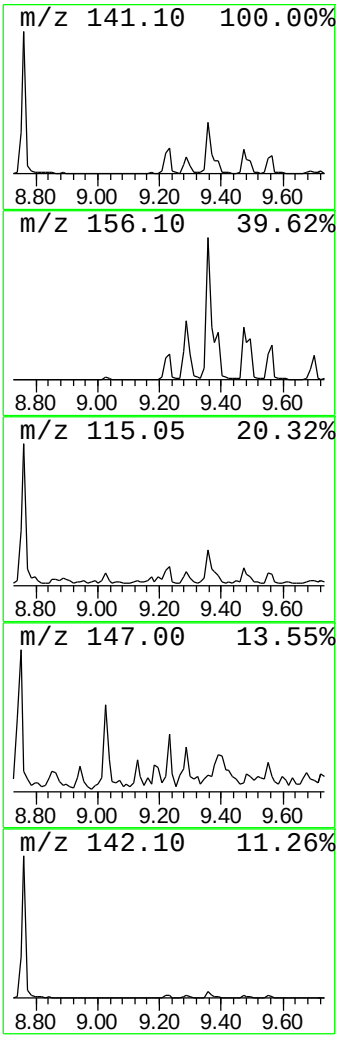
Peak Number 14 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	2.87 ng	214780	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	42
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	42





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Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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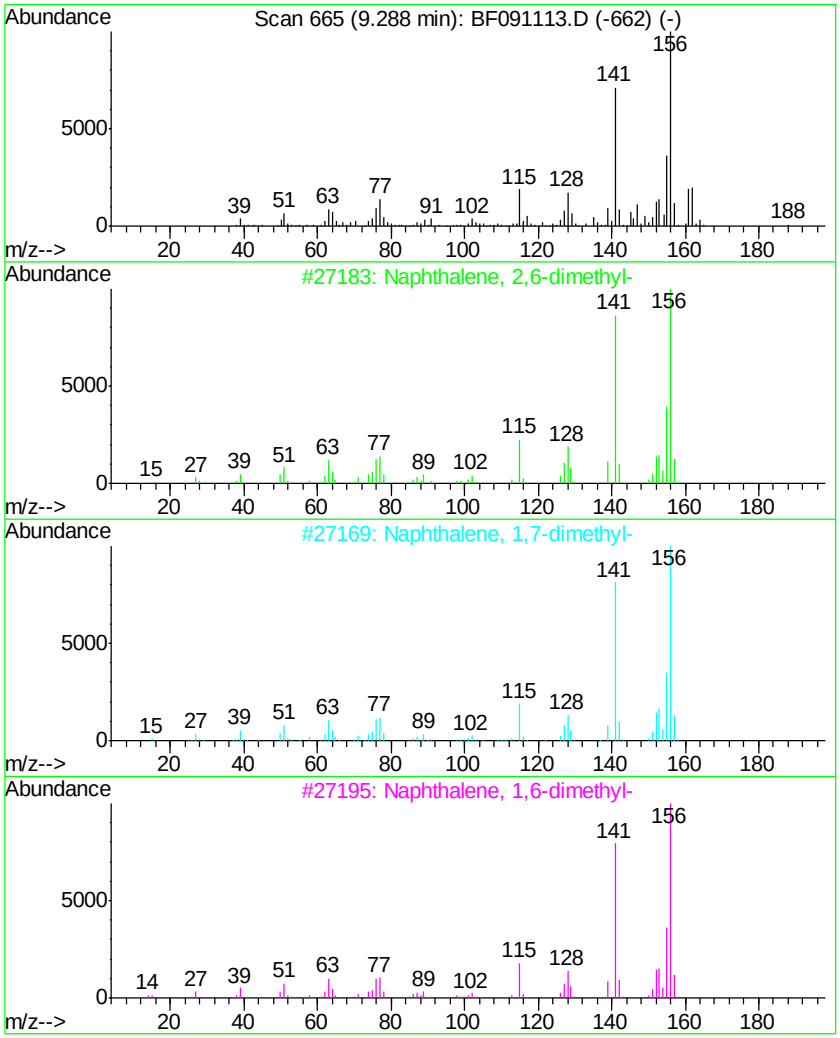
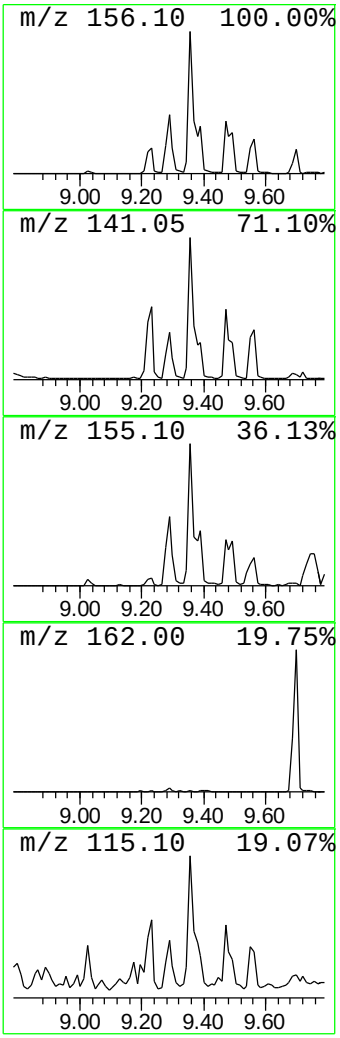
Peak Number 15 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	5.17 ng	386851	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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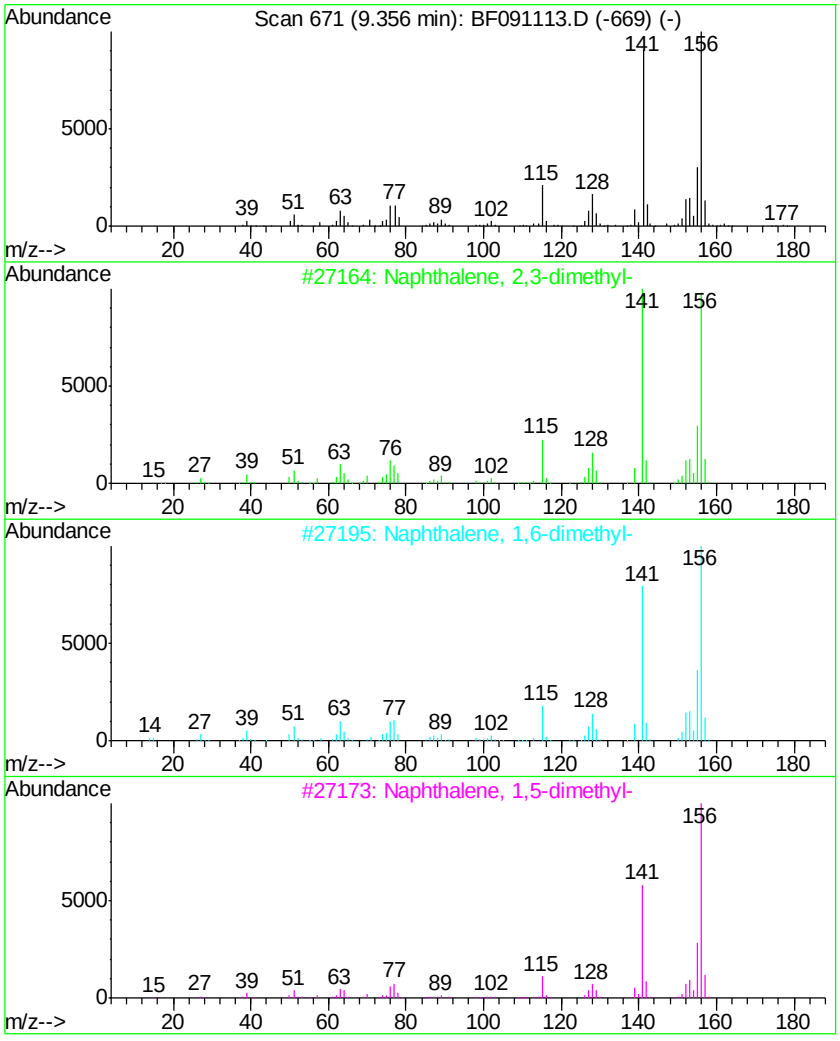
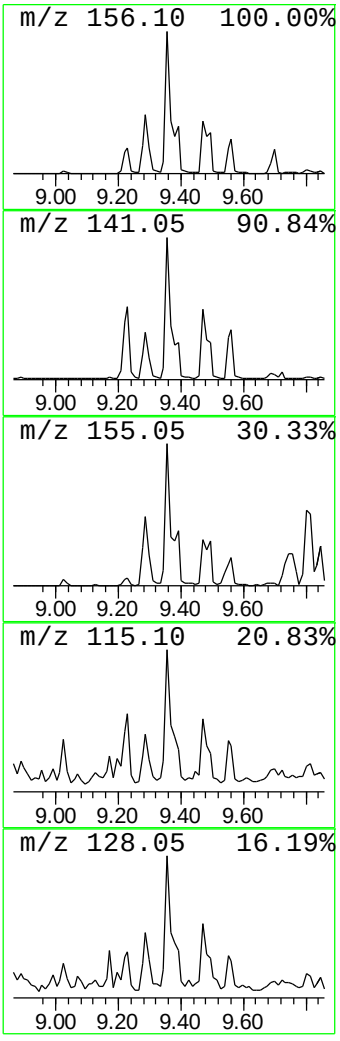
Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	8.56 ng	640883	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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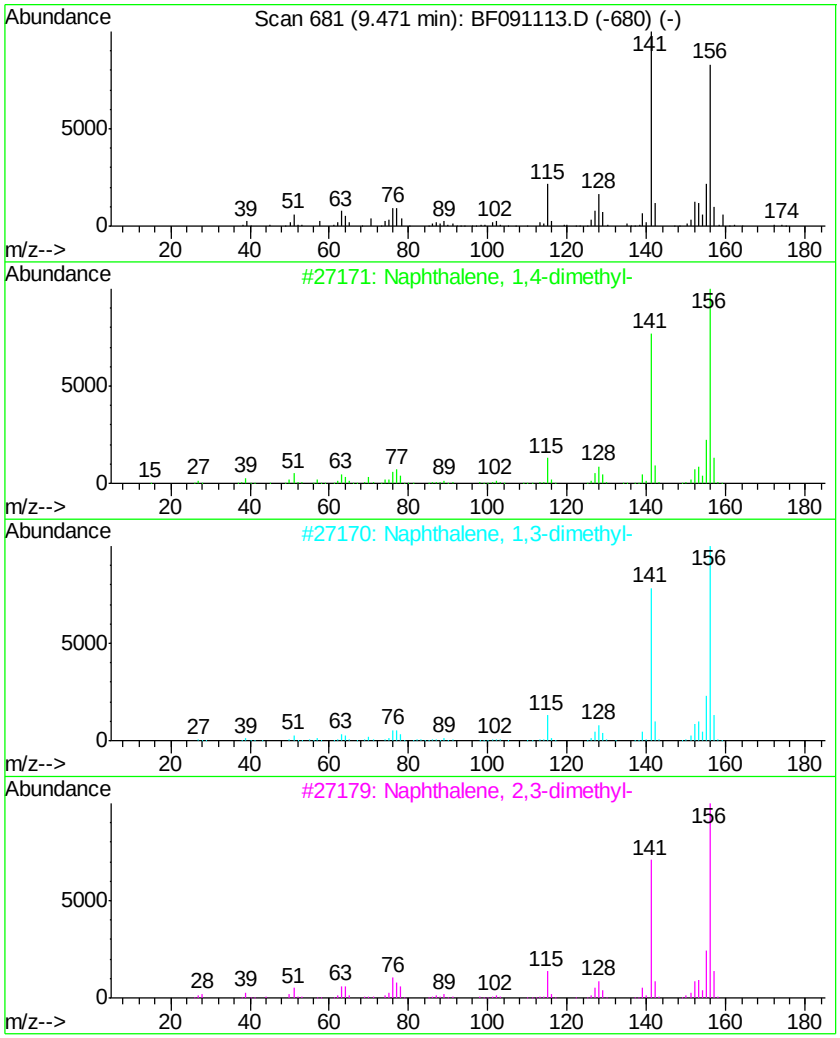
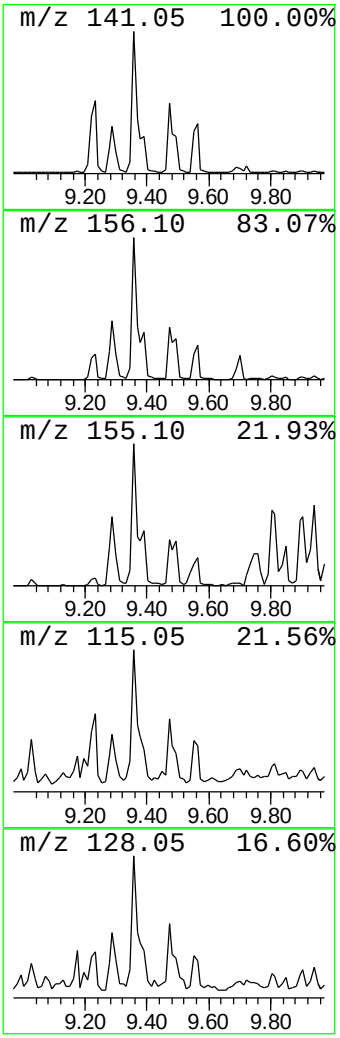
Peak Number 17 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	5.44 ng	407075	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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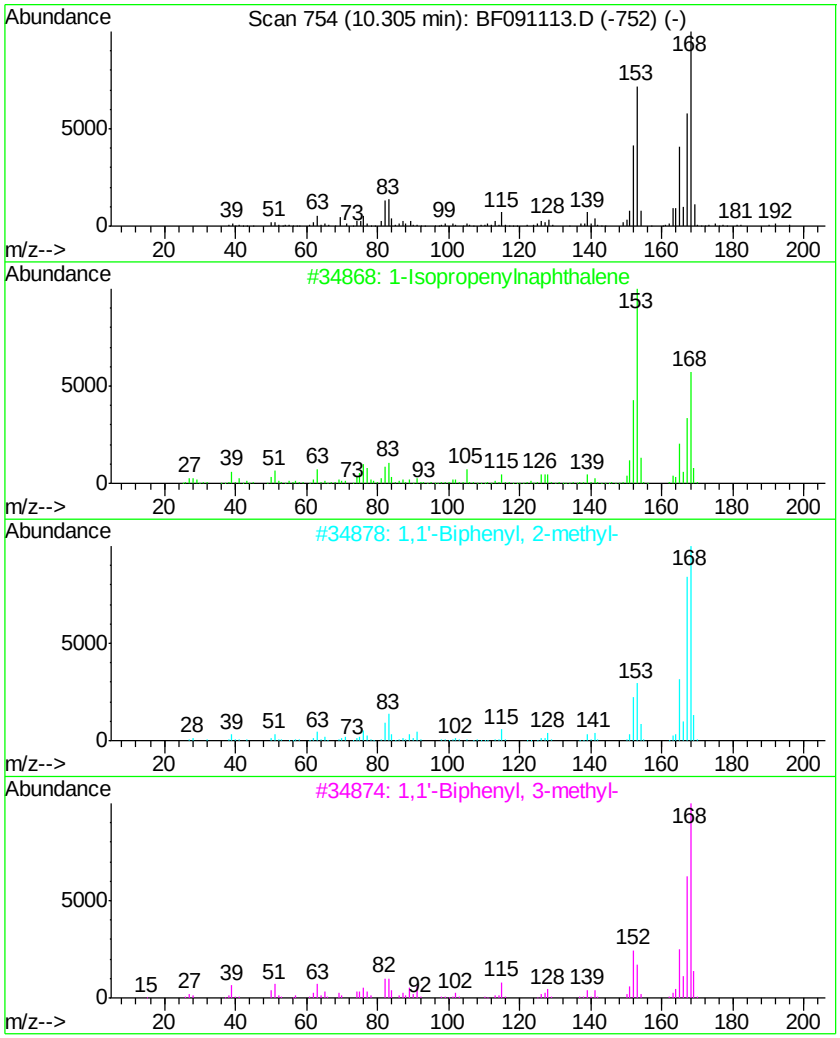
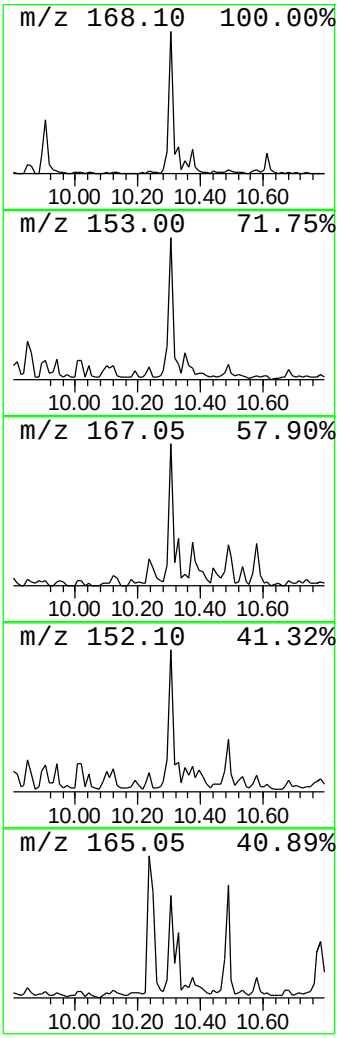
Peak Number 18 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	3.83 ng	286703	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	70
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	47
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	47





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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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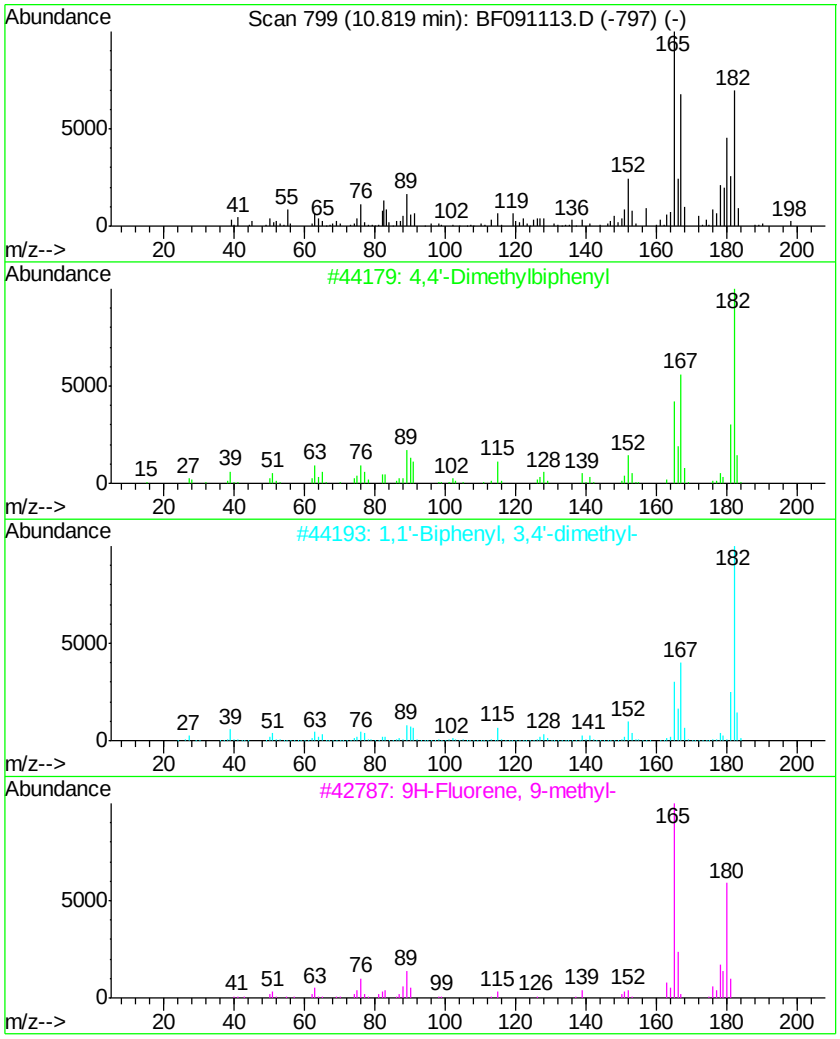
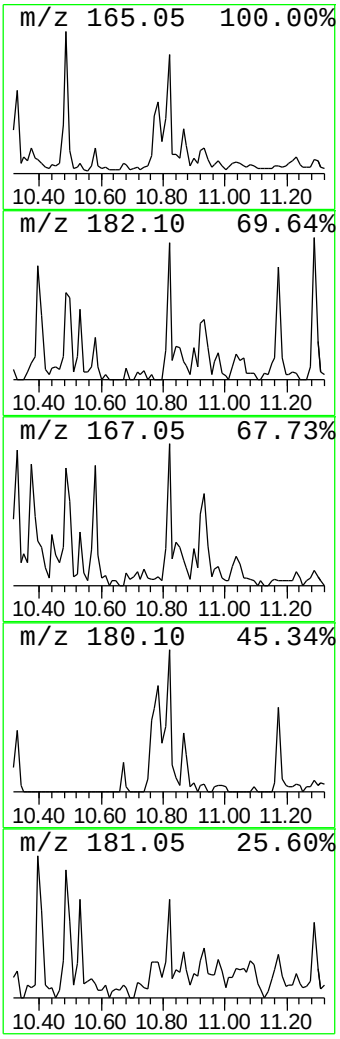
Peak Number 19 4,4'-Dimethylbiphenyl Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	3.51 ng	208926	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	78
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	53
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
5	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	50





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Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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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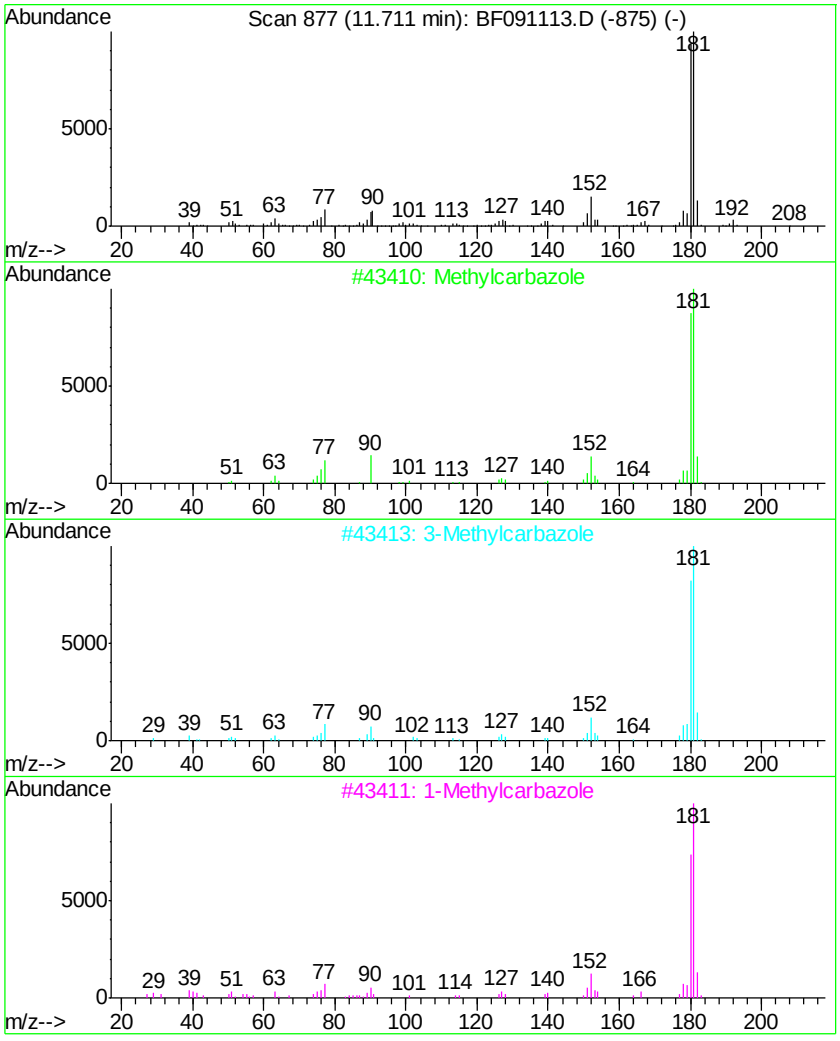
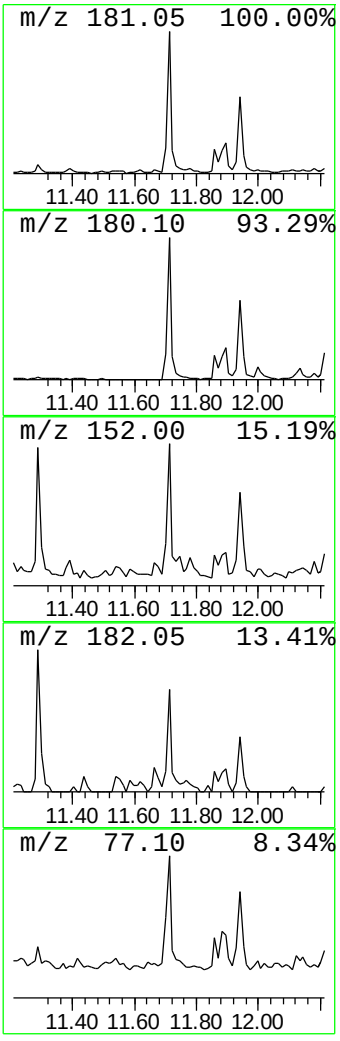
Peak Number 20 Methylcarbazole Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	3.40 ng	202810	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylcarbazole	181	C13H11N	027323-29-1	97
2	3-Methylcarbazole	181	C13H11N	004630-20-0	95
3	1-Methylcarbazole	181	C13H11N	006510-65-2	94
4	4-Methylcarbazole	181	C13H11N	003770-48-7	94
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ERM33

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...	4.80	8.4	ng	425885	1	6.66	1009270	20.0
unknown6.43	6.43	75.9	ng	3829360	1	6.66	1009270	20.0
Benzene, 1,3-diet...	6.92	3.4	ng	169195	1	6.66	1009270	20.0
Benzene, 1,2-diet...	6.99	3.2	ng	159742	1	6.66	1009270	20.0
Benzene, 1,2,4,5-...	7.44	3.4	ng	254367	2	7.95	1479460	20.0
Benzene, 2-etheny...	7.62	5.9	ng	435431	2	7.95	1479460	20.0
Naphthalene, 1,2,...	8.14	3.6	ng	266370	2	7.95	1479460	20.0
1H-Indene, 2,3-di...	8.34	3.3	ng	242760	2	7.95	1479460	20.0
Naphthalene, 1,2,...	8.45	3.2	ng	235680	2	7.95	1479460	20.0
Naphthalene, 1-me...	8.76	16.1	ng	1191200	2	7.95	1479460	20.0
Naphthalene, 1-et...	9.23	2.9	ng	214780	3	9.70	1496550	20.0
Naphthalene, 2,6-...	9.29	5.2	ng	386851	3	9.70	1496550	20.0
Naphthalene, 2,3-...	9.36	8.6	ng	640883	3	9.70	1496550	20.0
Naphthalene, 1,4-...	9.47	5.4	ng	407075	3	9.70	1496550	20.0
1-Isopropenylnaph...	10.30	3.8	ng	286703	3	9.70	1496550	20.0
4,4'-Dimethylbiph...	10.82	3.5	ng	208926	4	11.17	1191570	20.0
Methylcarbazole	11.71	3.4	ng	202810	4	11.17	1191570	20.0