LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
Data File : BF093041.D
Acq On : 20 Feb 2017 21:10
Operator : SJ/MA
Sample : I1911-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

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-BF013017.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	5.002	253	255	267	rVB	499027	551921	11.67%	1.354%
2	5.436	291	293	296	rBV	2039313	1857993	39.27%	4.560%
3	5.996	338	342	344	rBV	53234	53271	1.13%	0.131%
4	6.476	382	384	387	rBV	1309482	1181764	24.98%	2.900%
5	6.613	393	396	398	rBV	3569118	3370796	71.25%	8.272%
6	6.670	398	401	408	rVB3	30670	61437	1.30%	0.151%
7	6.796	408	412	414	rBV2	46746	66673	1.41%	0.164%
8	6.842	414	416	418	rBV	1013817	868763	18.36%	2.132%
9	7.002	427	430	431	rBV	3413498	3070871	64.91%	7.536%
10	7.025	431	432	434	rVV	481933	362124	7.65%	0.889%
11	7.093	437	438	443	rVV	77137	74520	1.58%	0.183%
12	7.185	443	446	449	rVB2	56257	118543	2.51%	0.291%
13	7.413	461	466	469	rBV	2625006	2830061	59.82%	6.945%
14	7.619	480	484	486	rBV	138832	148180	3.13%	0.364%
15	7.802	497	500	503	rVB2	197866	307122	6.49%	0.754%
16	7.870	503	506	508	rBV	476426	470819	9.95%	1.155%
17	8.133	525	529	532	rBV	1335536	1528991	32.32%	3.752%
18	8.225	535	537	539	rVB2	48581	52010	1.10%	0.128%
19	8.328	544	546	548	rVB2	115791	138398	2.93%	0.340%
20	8.385	548	551	552	rBV	120695	157511	3.33%	0.387%
21	8.408	552	553	556	rVB3	68920	103818	2.19%	0.255%
22	8.522	559	563	565	rBV	199185	204747	4.33%	0.502%
23	8.602	568	570	572	rVV	135618	130507	2.76%	0.320%
24	8.636	572	573	576	rVB	114131	133918	2.83%	0.329%
25	8.693	576	578	579	rBV2	42751	54646	1.16%	0.134%
26	8.728	579	581	583	rVB2	89128	91970	1.94%	0.226%
27	8.773	583	585	586	rBV2	63815	99221	2.10%	0.243%
28	8.796	586	587	589	rVV2	195158	177309	3.75%	0.435%
29	8.853	589	592	593	rVV	390516	418578	8.85%	1.027%
30	8.945	597	600	602	rVV	657264	800574	16.92%	1.965%
31	8.979	602	603	606	rVB3	81477	92875	1.96%	0.228%
32	9.082	611	612	616	rVB4	73914	94003	1.99%	0.231%
33	9.219	621	624	626	rBV	4482036	4730945	100.00%	11.610%
34	9.253	626	627	629	rVB	42387	56739	1.20%	0.139%

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.311	629	632	635	rBV5	34061	84465	1.79%	0.207%
36	9.356	635	636	637	rVV	61661	71106	1.50%	0.175%
37	9.413	640	641	644	rVB2	86489	111296	2.35%	0.273%
38	9.482	644	647	648	rBV	187836	259786	5.49%	0.638%
39	9.551	650	653	654	rVV	371499	398882	8.43%	0.979%
40	9.608	657	658	660	rVB	465171	372256	7.87%	0.914%
41	9.665	662	663	668	rVB	201465	314074	6.64%	0.771%
42	9.745	668	670	672	rBV	149390	162704	3.44%	0.399%
43	9.802	672	675	676	rBV2	26093	53903	1.14%	0.132%
44	9.859	678	680	681	rBV	36604	49646	1.05%	0.122%
45	9.893	681	683	684	rVV	1258734	1279802	27.05%	3.141%
46	9.916	684	685	687	rVB	61985	84768	1.79%	0.208%
47	9.996	690	692	694	rVB	66667	84649	1.79%	0.208%
48	10.042	694	696	698	rBV3	36901	60550	1.28%	0.149%
49	10.088	698	700	702	rBV2	69821	90391	1.91%	0.222%
50	10.133	702	704	706	rVB	54120	52242	1.10%	0.128%
51	10.202	708	710	714	rVB4	103910	218430	4.62%	0.536%
52	10.316	714	720	722	rBV3	167900	325294	6.88%	0.798%
53	10.431	728	730	733	rVB	120864	129269	2.73%	0.317%
54	10.499	734	736	739	rBV	161521	208290	4.40%	0.511%
55	10.568	739	742	743	rBV3	29316	60756	1.28%	0.149%
56	10.682	749	752	754	rBV	2450220	2621972	55.42%	6.435%
57	10.796	758	762	766	rVB4	54576	135743	2.87%	0.333%
58	10.888	766	770	771	rBV3	30310	59108	1.25%	0.145%
59	10.979	775	778	779	rBV3	47400	85379	1.80%	0.210%
60	11.014	779	781	787	rVB	94776	132745	2.81%	0.326%
61	11.242	798	801	802	rBV	40136	75288	1.59%	0.185%
62	11.368	810	812	815	rBV	1283107	1245650	26.33%	3.057%
63	11.482	821	822	825	rVB	80990	67601	1.43%	0.166%
64	11.608	830	833	834	rVV	114492	153305	3.24%	0.376%
65	11.905	857	859	860	rVB	181820	198501	4.20%	0.487%
66	12.077	870	874	877	rBV2	84357	126169	2.67%	0.310%
67	12.134	877	879	881	rBV2	134757	161201	3.41%	0.396%
68	12.317	894	895	898	rBV2	37053	70718	1.49%	0.174%
69	12.374	898	900	901	rVV	42347	51047	1.08%	0.125%
70	12.408	901	903	906	rVV	75686	128050	2.71%	0.314%
71	12.511	910	912	914	rVV	53483	64795	1.37%	0.159%

LSC Area Percent Report

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	12.557	914	916	920	rVB2	51125	79583	1.68%	0.195%
73	12.957	948	951	953	rBV	4081627	4096826	86.60%	10.054%
74	13.848	1026	1029	1032	rBV	130832	172409	3.64%	0.423%
75	14.008	1040	1043	1045	rBV	856732	1188026	25.11%	2.916%
76	15.425	1165	1167	1170	rBV	588937	899871	19.02%	2.208%

Sum of corrected areas: 40748164

LSC Report - Integrated Chromatogram

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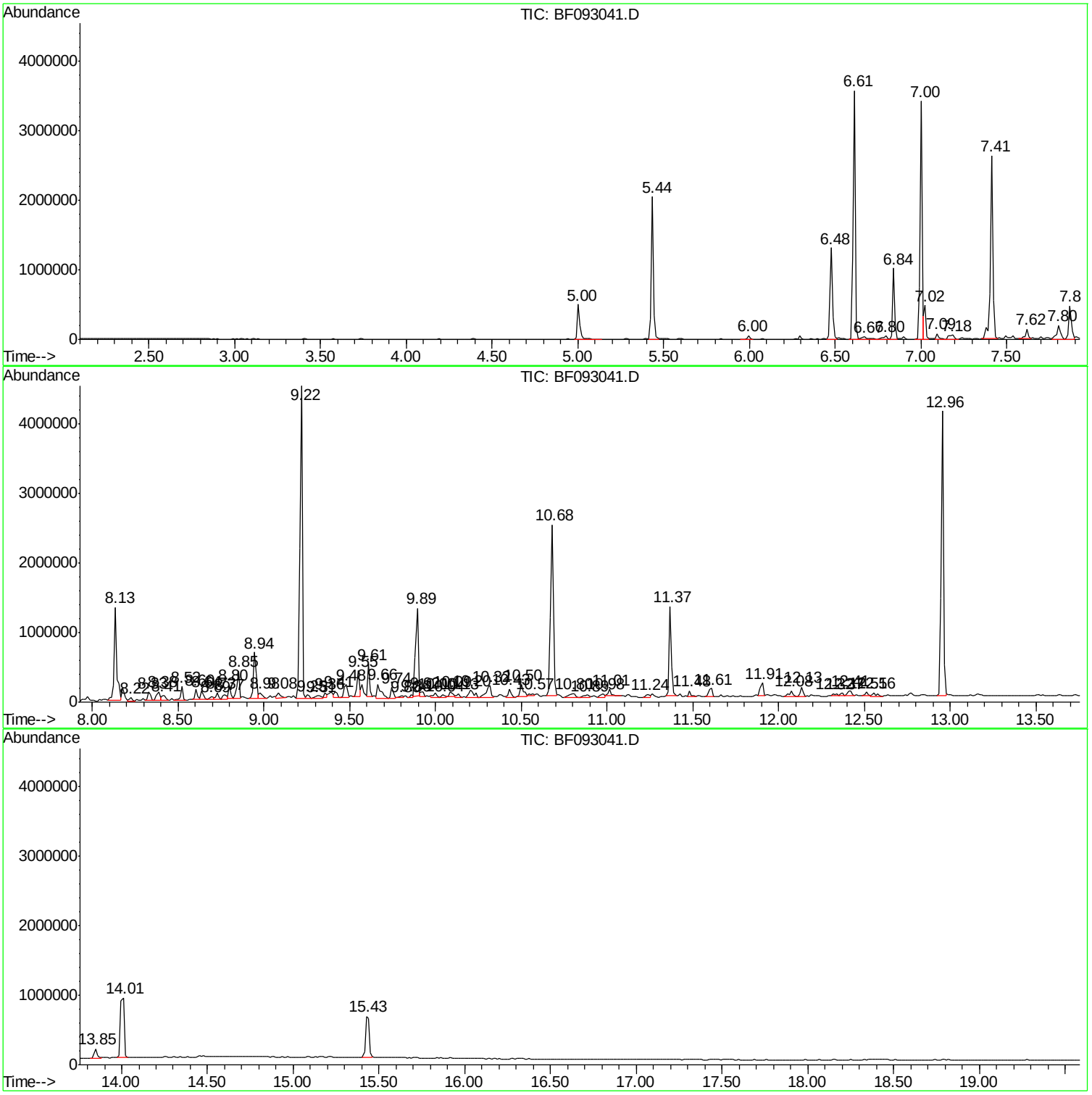
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF022017\
Data File : BF093041.D
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Sample : I1911-01
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

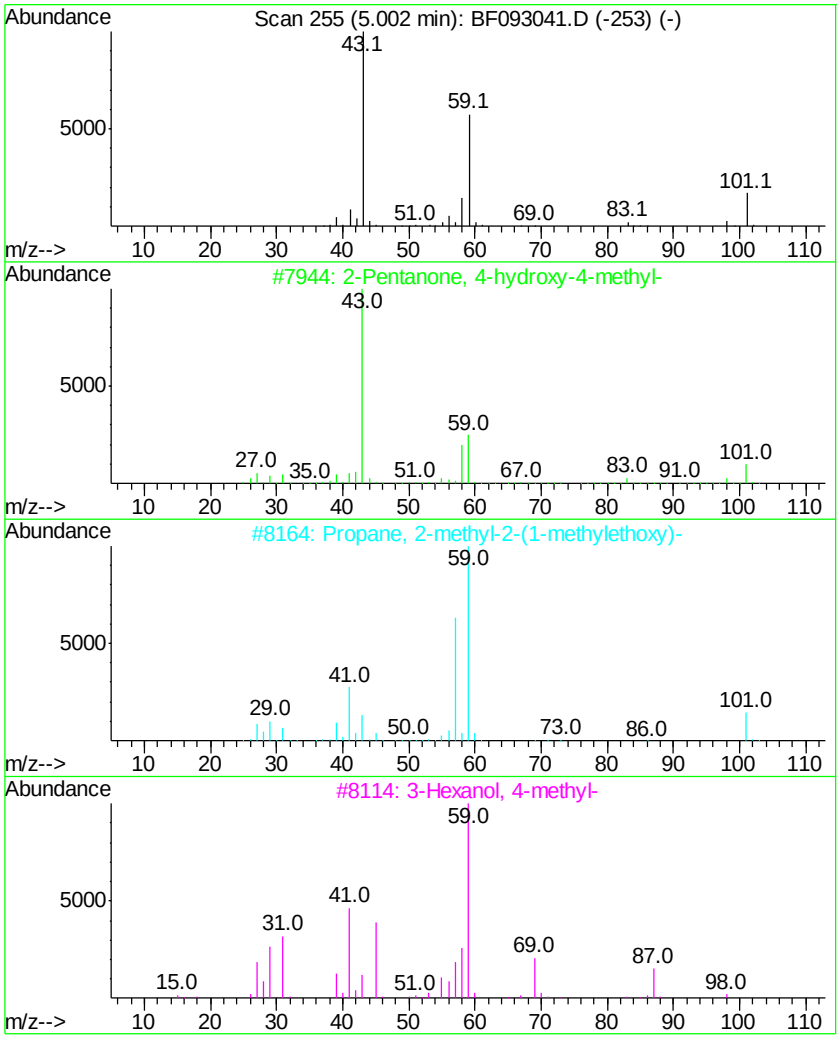
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

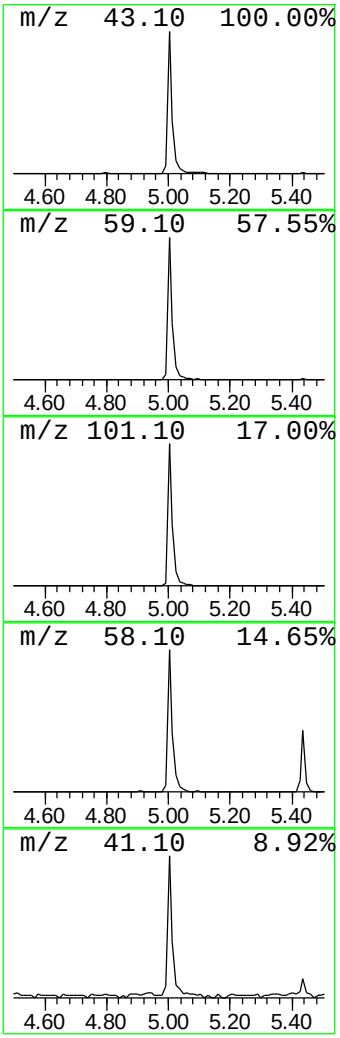
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	12.71 ng	551921	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	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Library Search Compound Report

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Instrument :
BNA_F
ClientSampleId :
HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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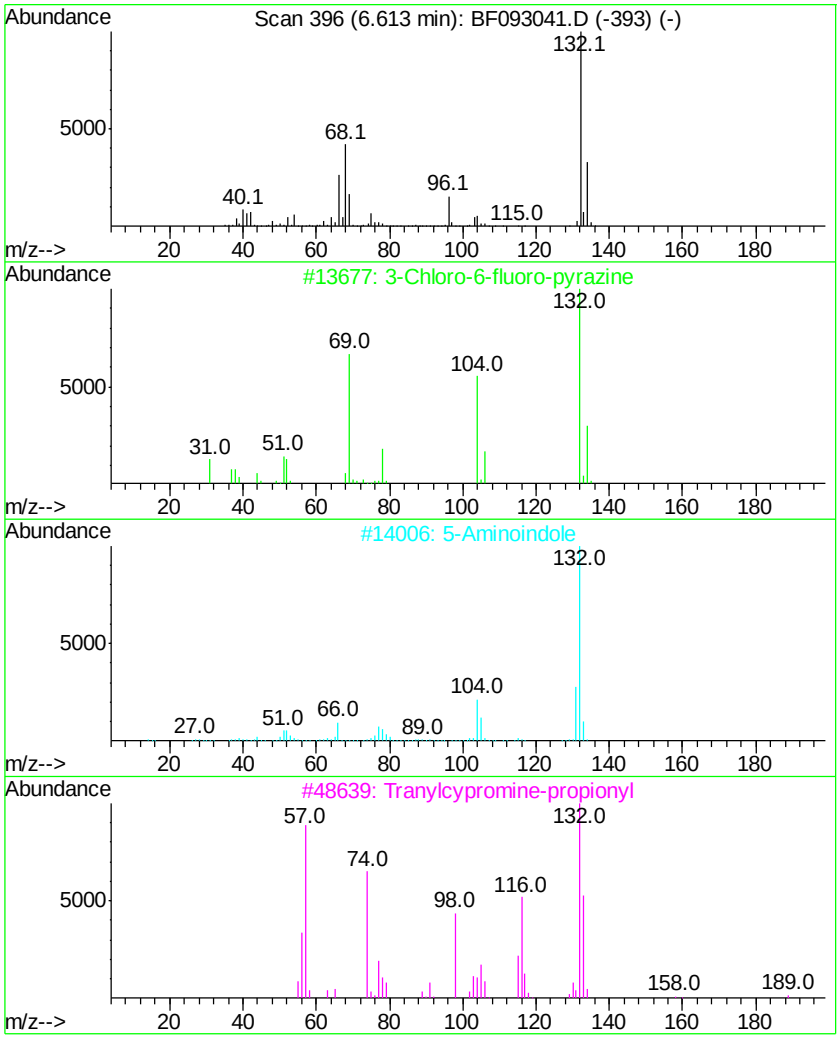
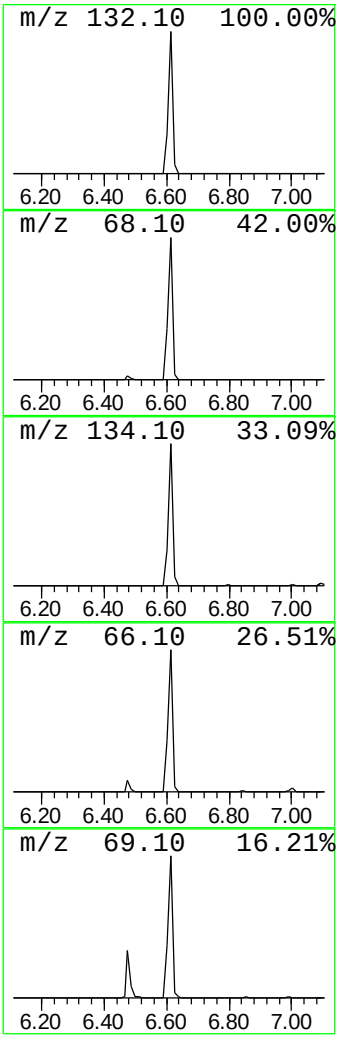
****

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	77.60 ng	3370800	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	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

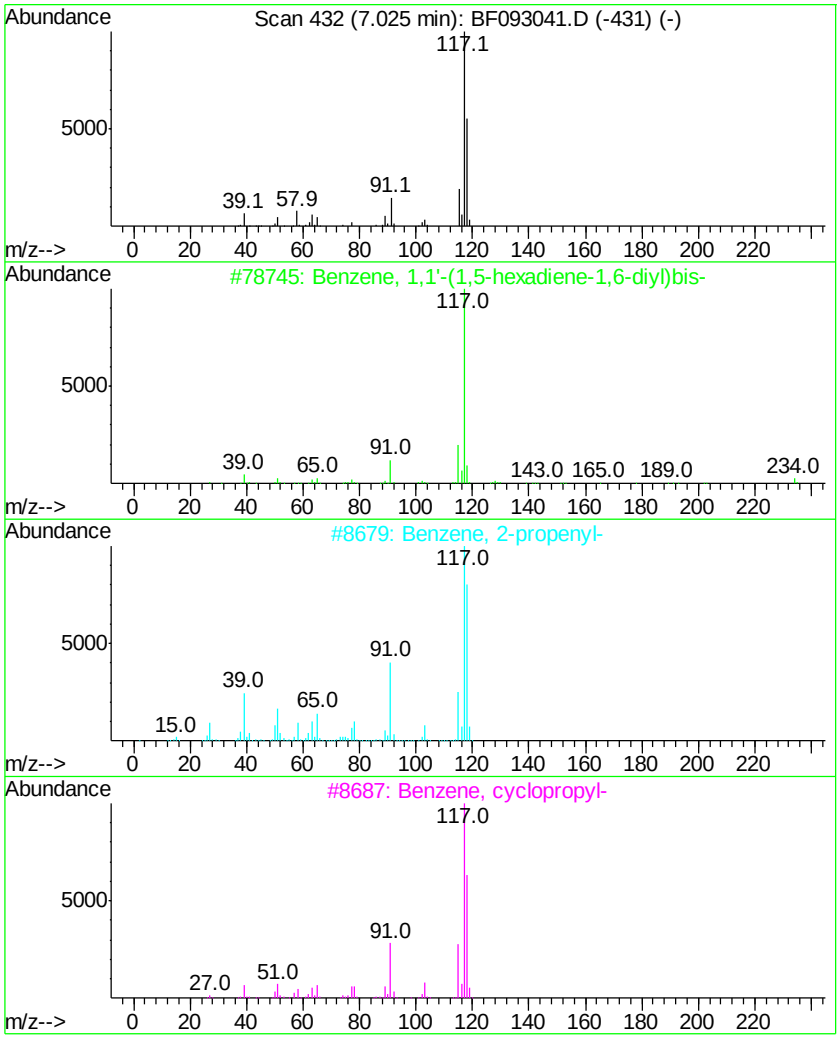
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

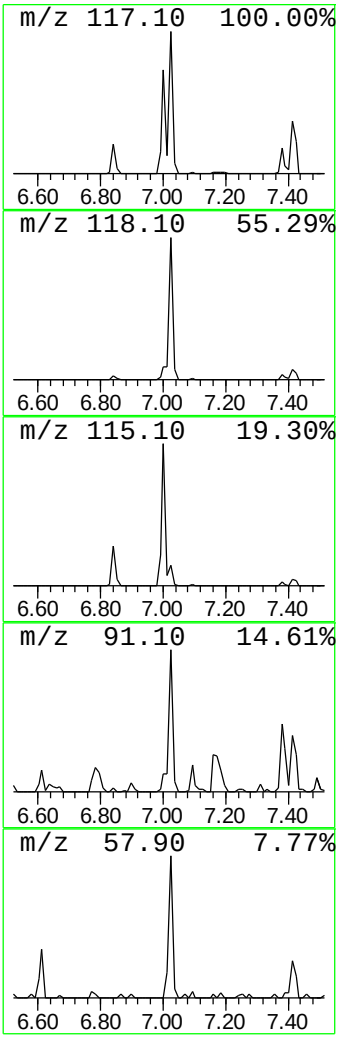
****

Peak Number 4 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	8.34 ng	362124	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	47
5	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	42





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TIC Library : C:\DATABASE\NIST02.L
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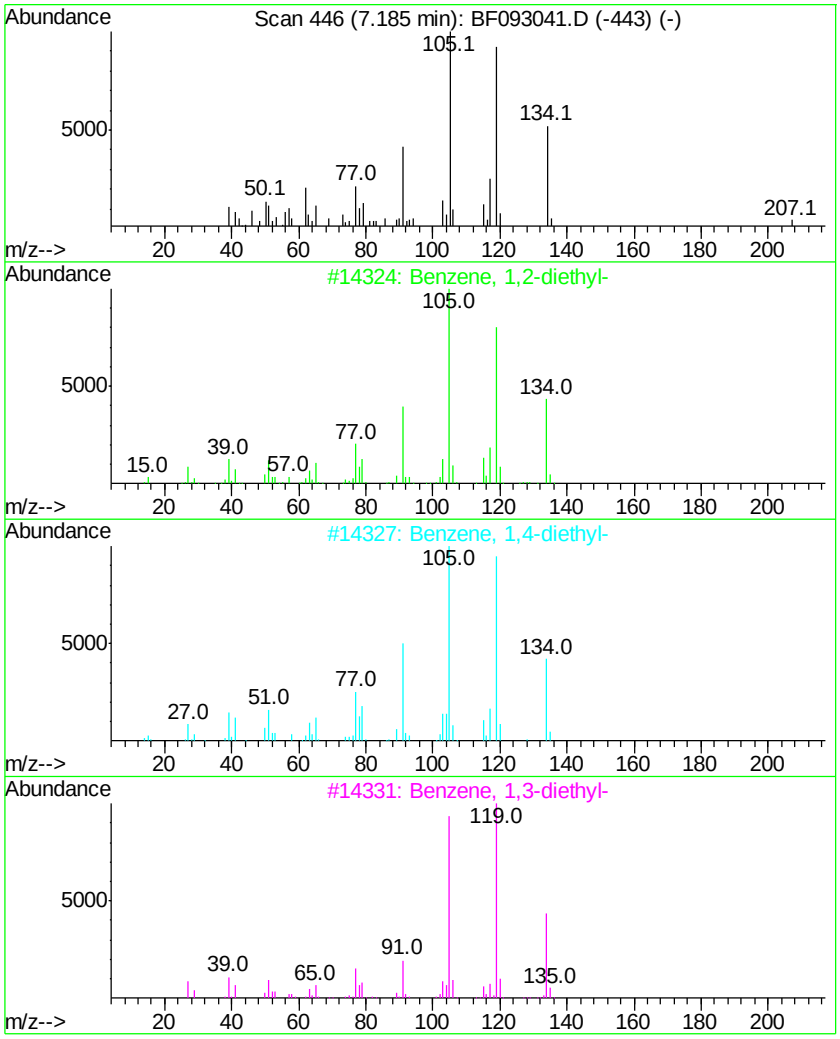
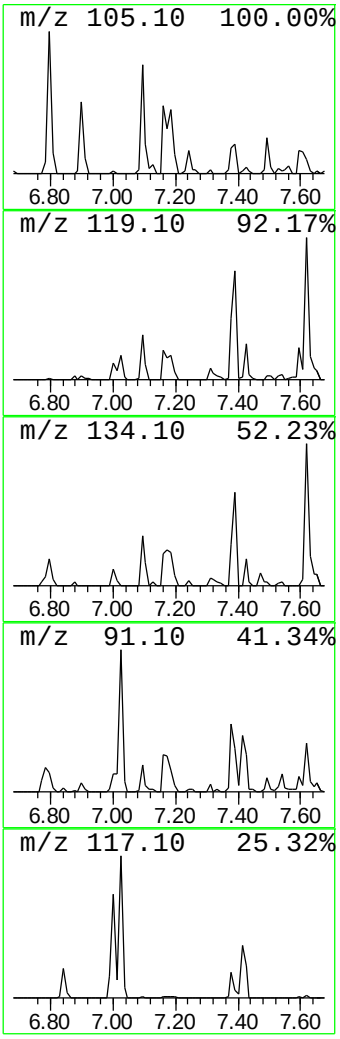
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	2.73 ng	118543	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	83
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

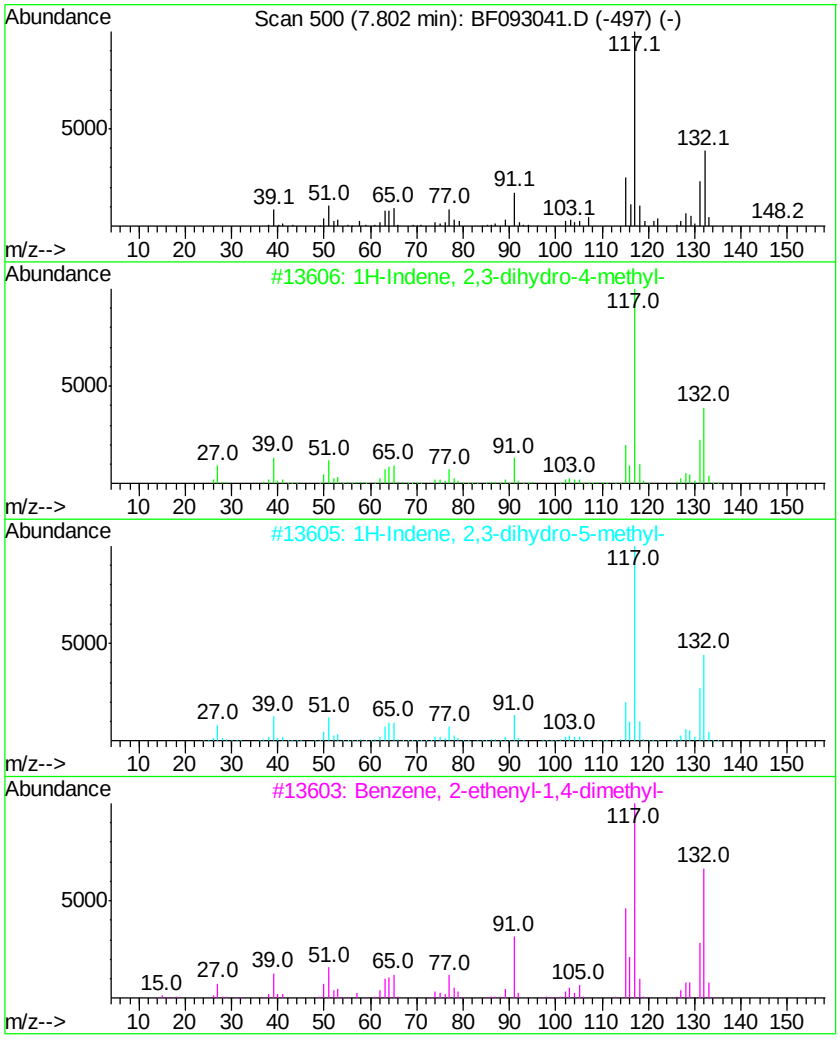
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

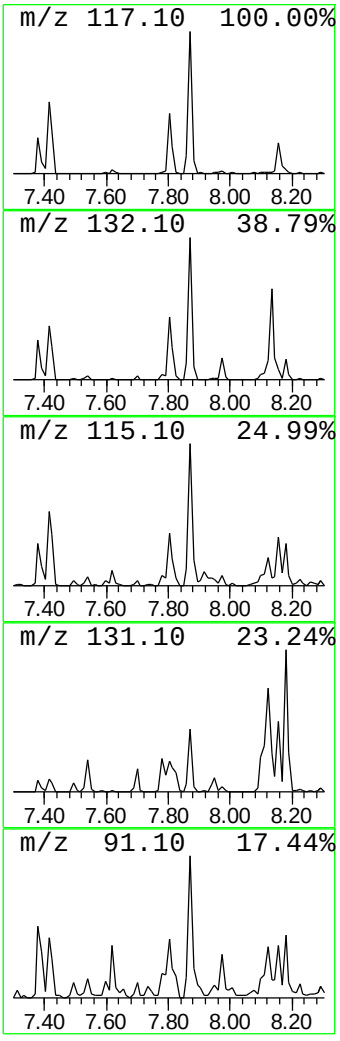
****

Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	4.02 ng	307122	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90





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Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

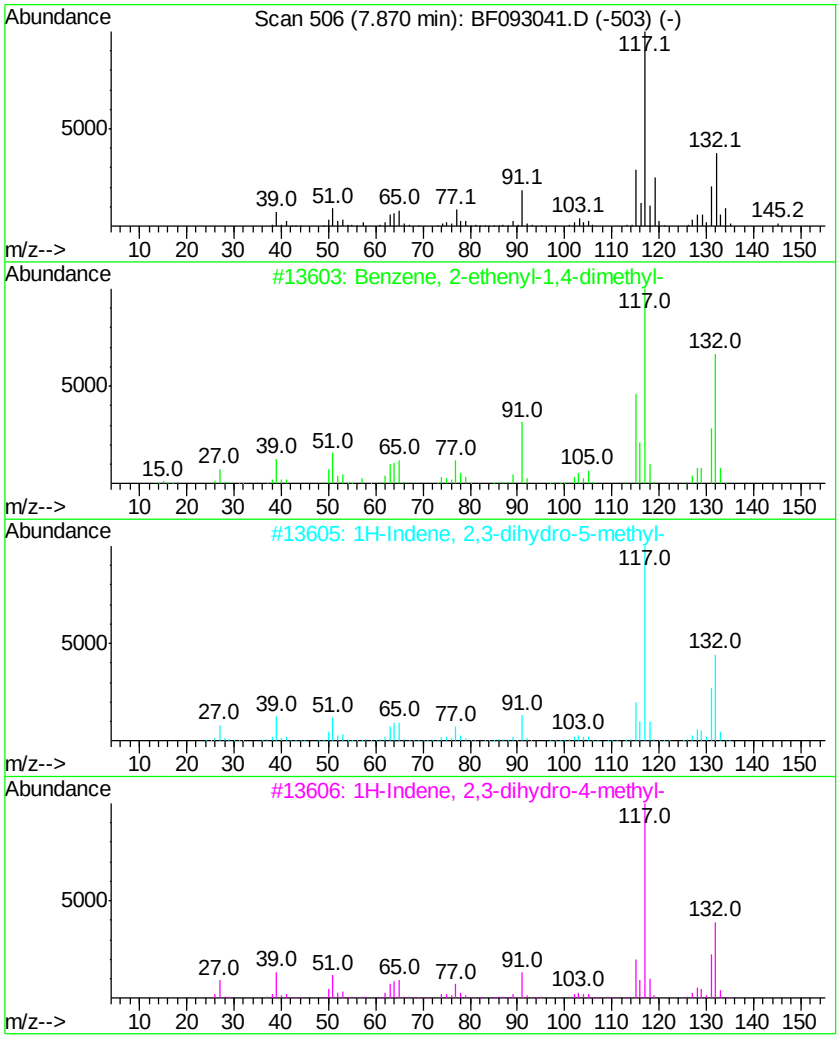
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

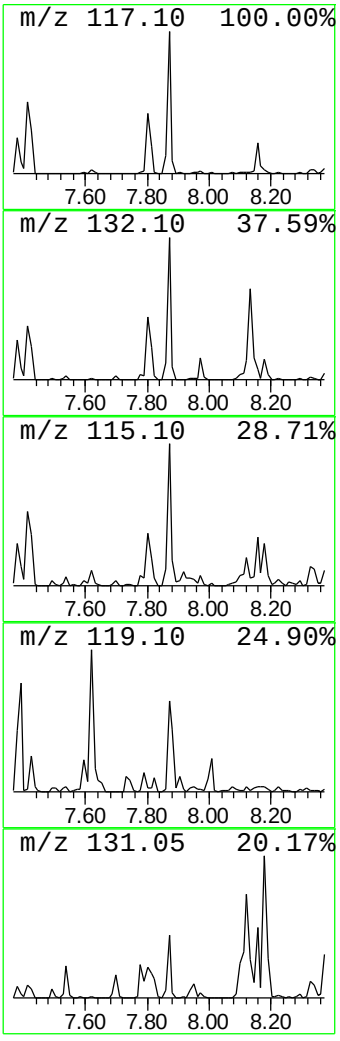
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	6.16 ng	470819	Naphthalene-d8	8.13

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	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	89
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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ALS Vial : 13 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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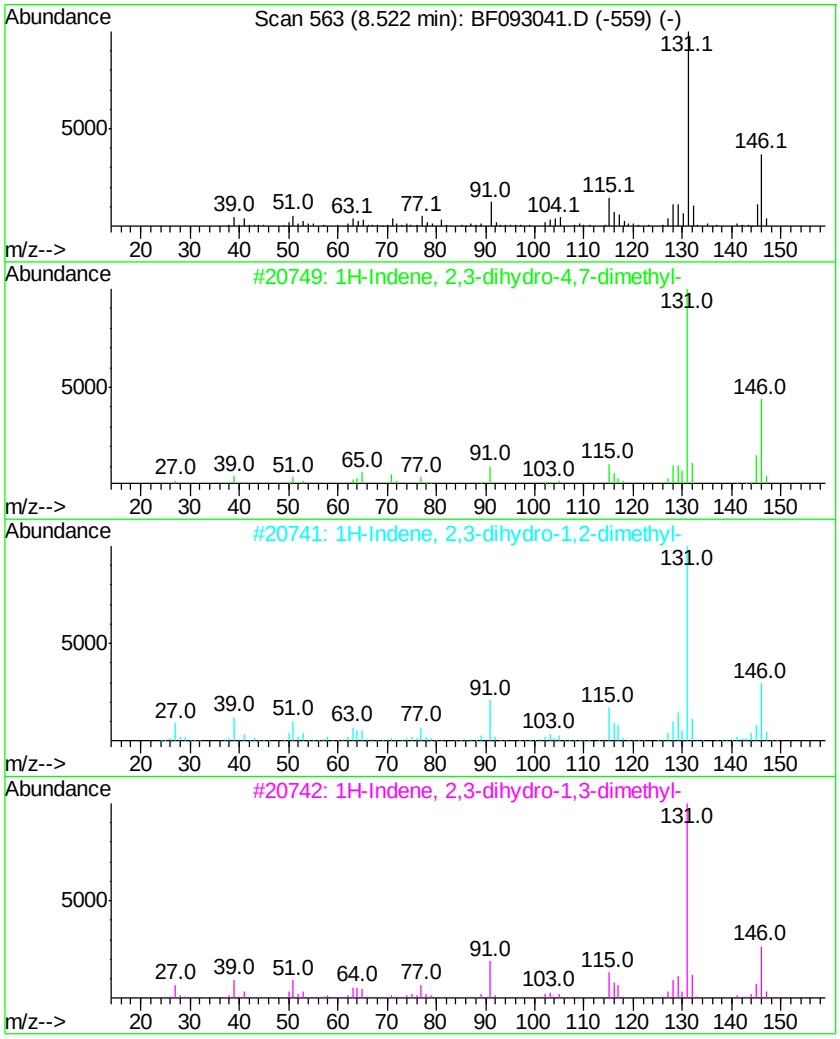
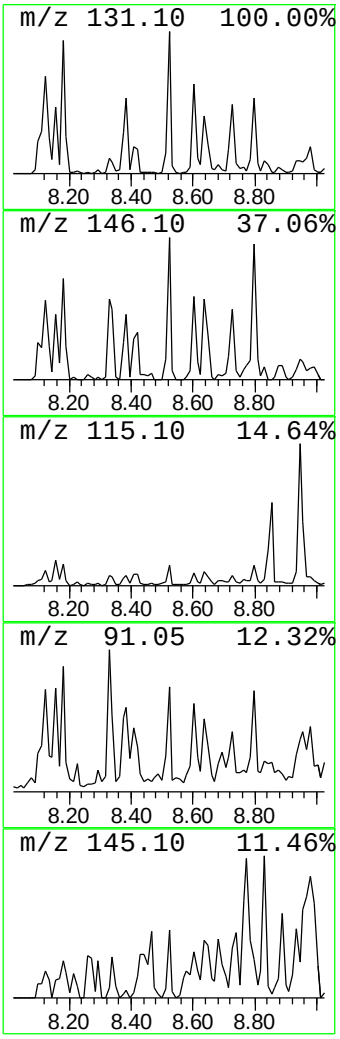
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	2.68 ng	204747	Naphthalene-d8	8.13

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-1,2-dimet...	146	C11H14	017057-82-8	96
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





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Data File : BF093041.D
Acq On : 20 Feb 2017 21:10
Operator : SJ/MA
Sample : I1911-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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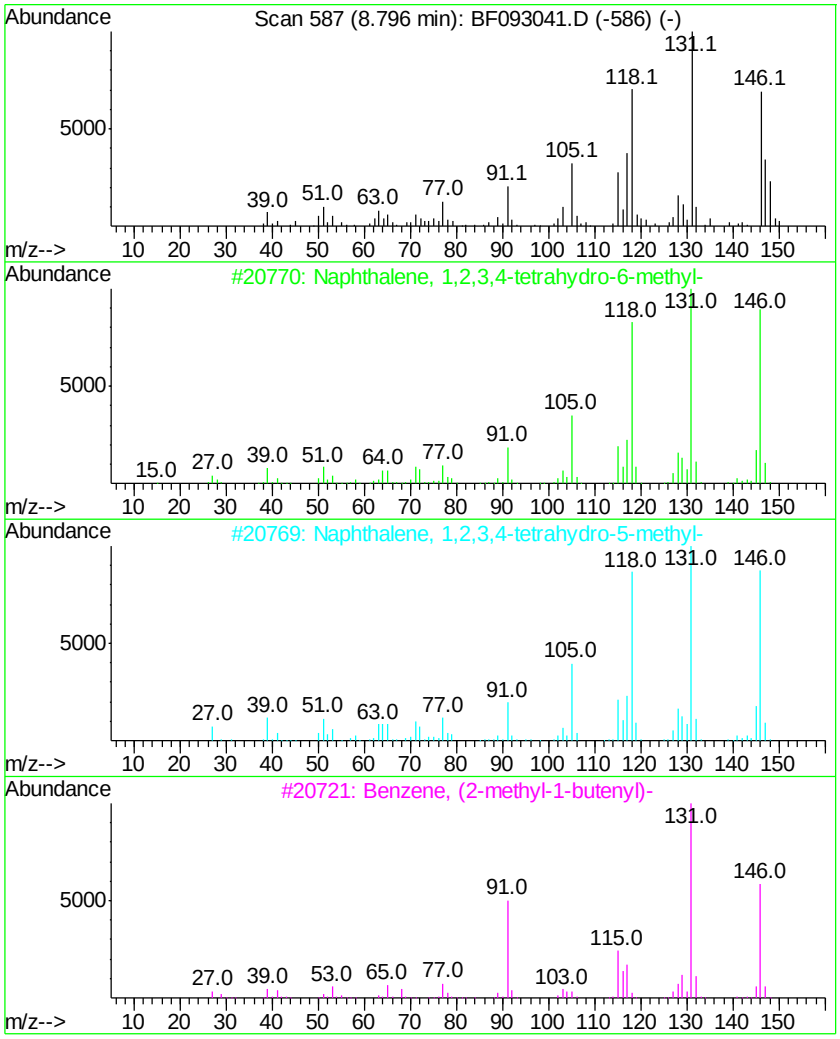
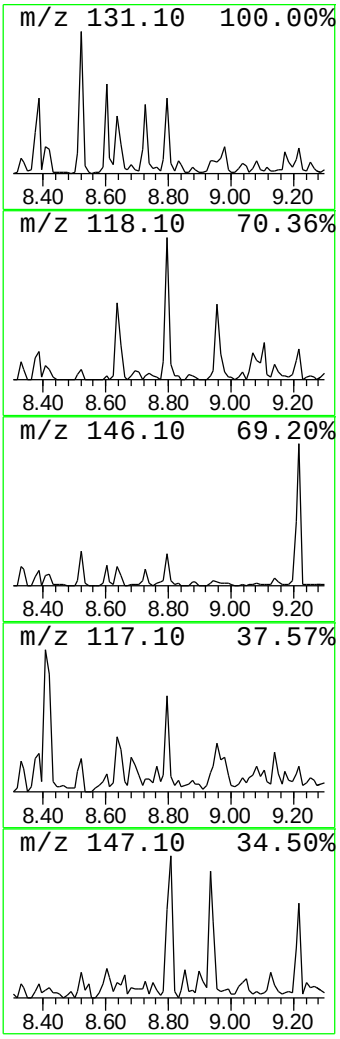
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	2.32 ng	177309	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	58
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	52
5	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	49





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Misc :
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Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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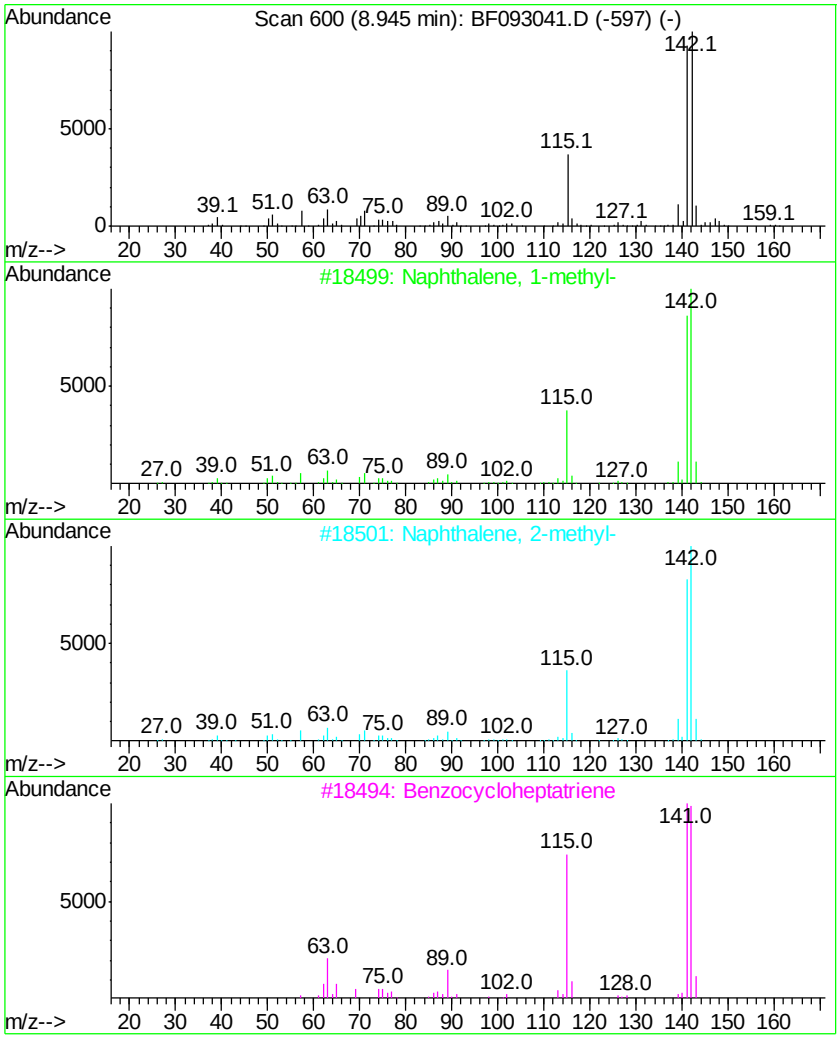
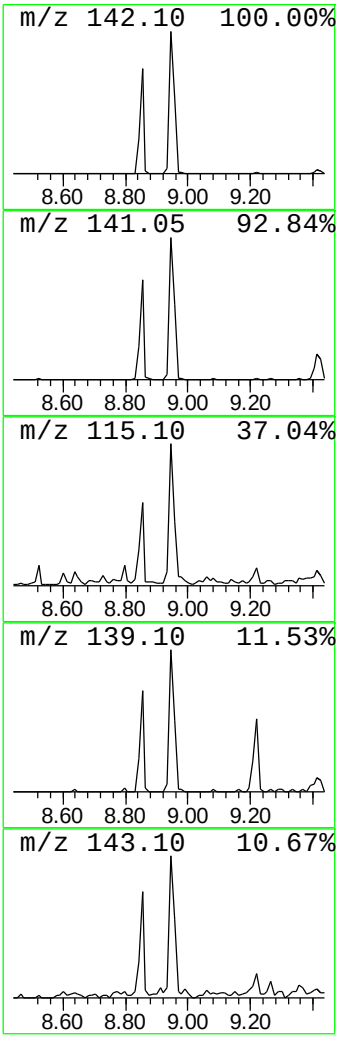
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	10.47 ng	800574	Naphthalene-d8	8.13

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	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





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ClientSampleId : HARMONFIRETOWER-ERM-33

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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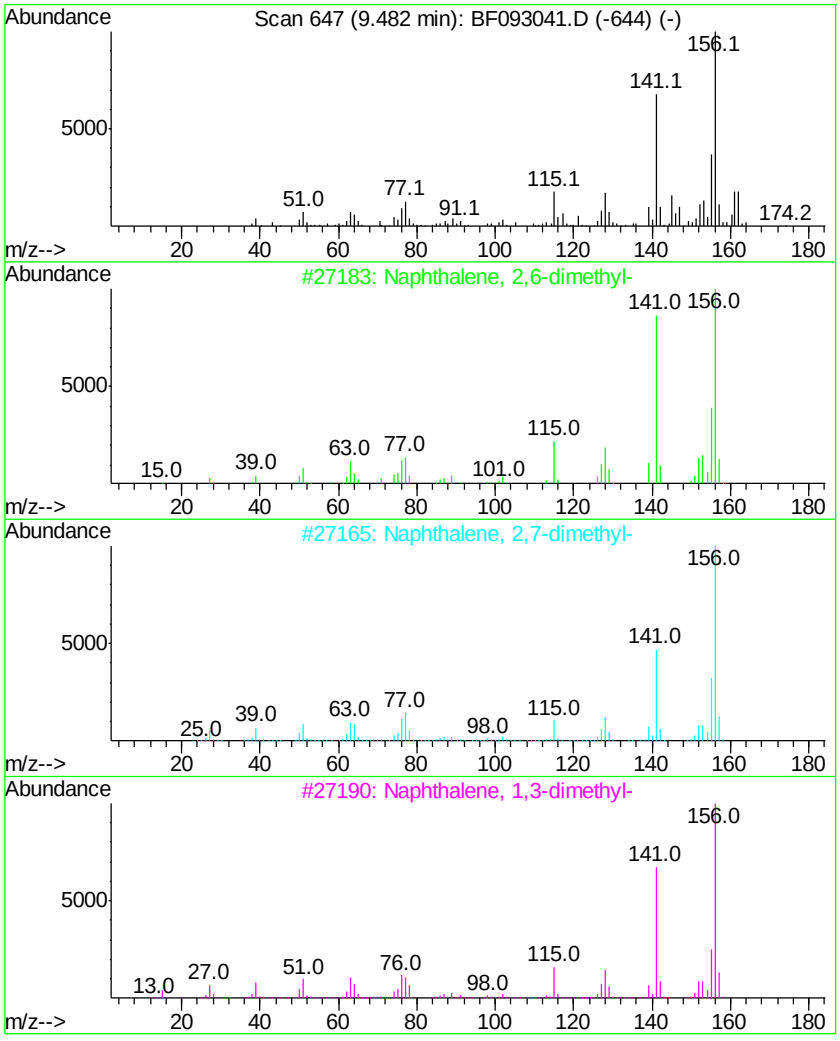
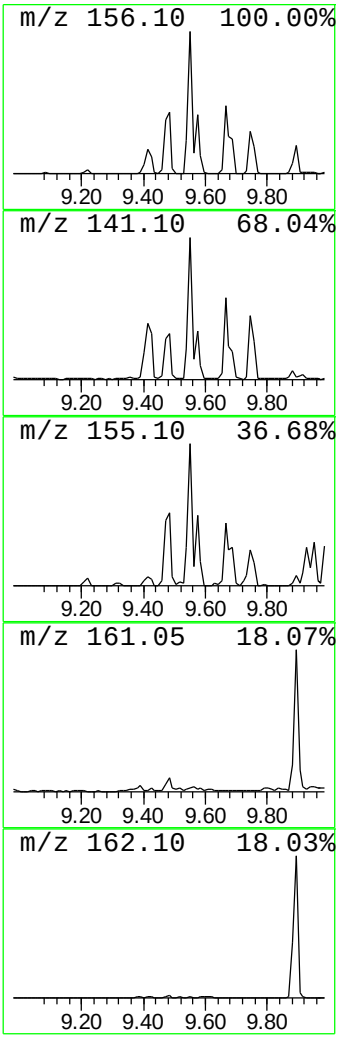
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	4.06 ng	259786	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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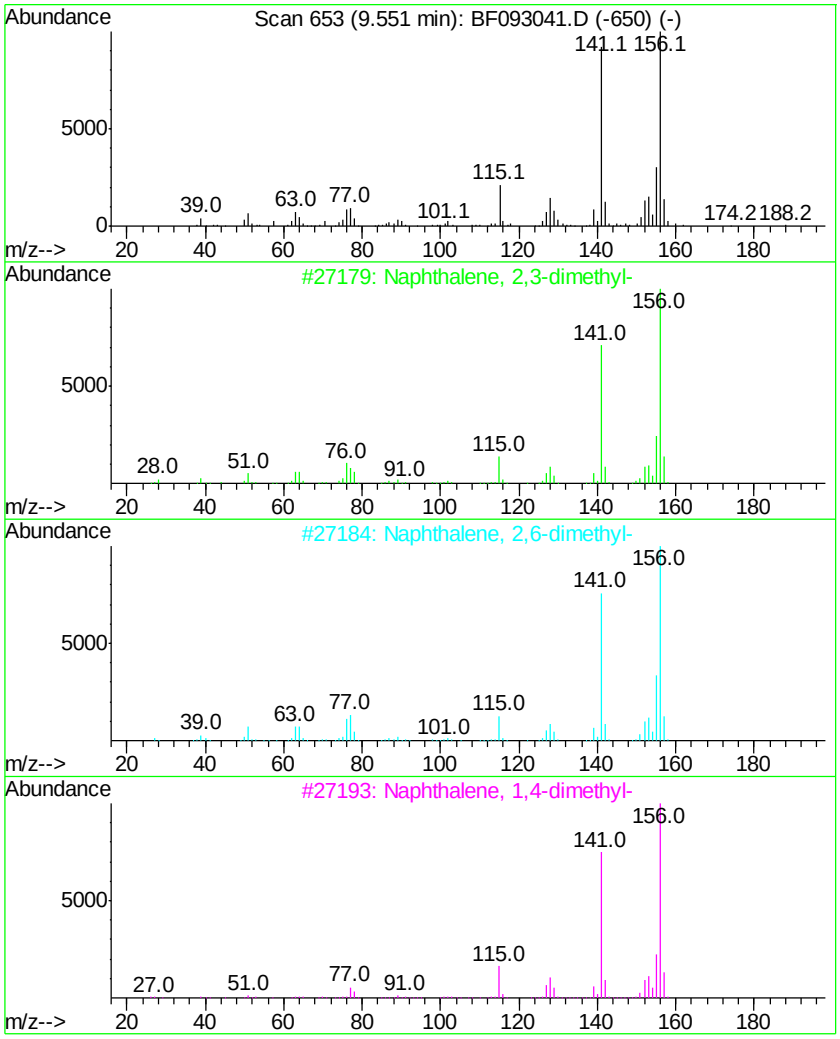
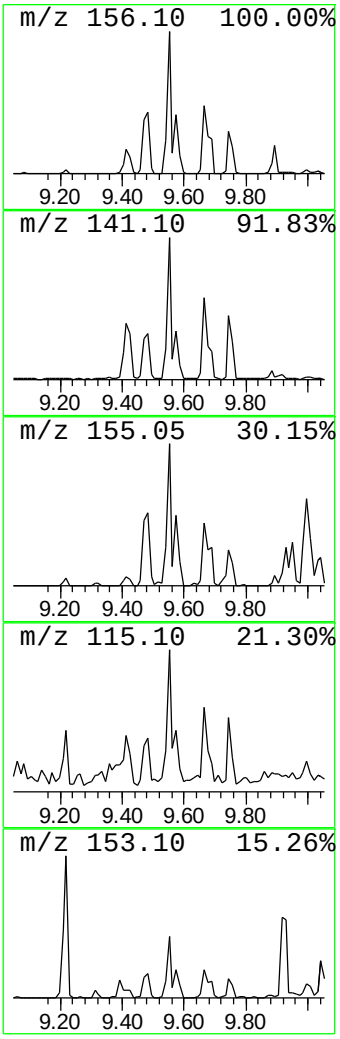
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	6.23 ng	398882	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : I1911-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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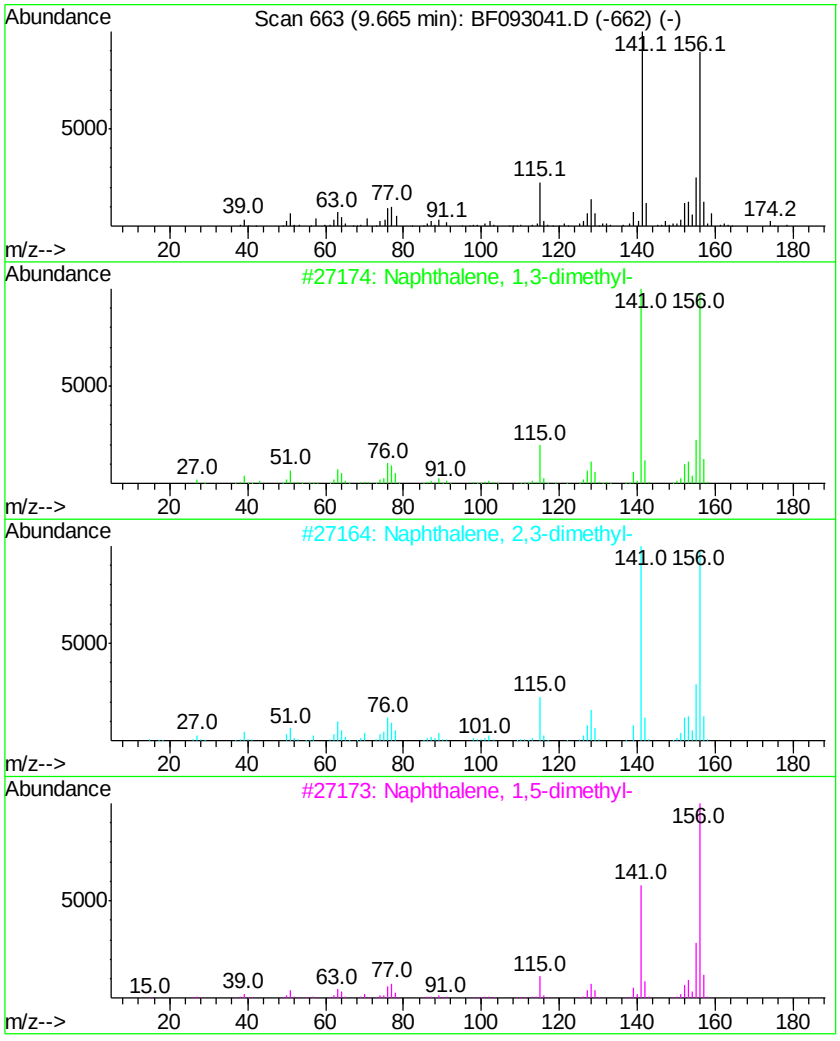
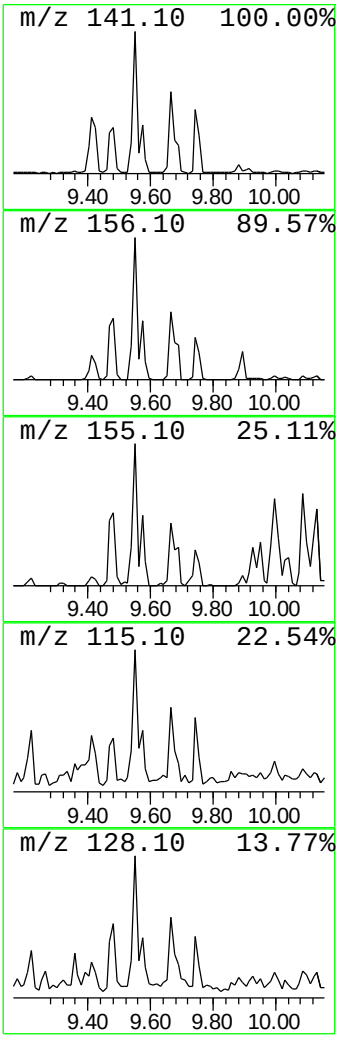
Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	4.91 ng	314074	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId : HARMONFIRETOWER-ERM-33

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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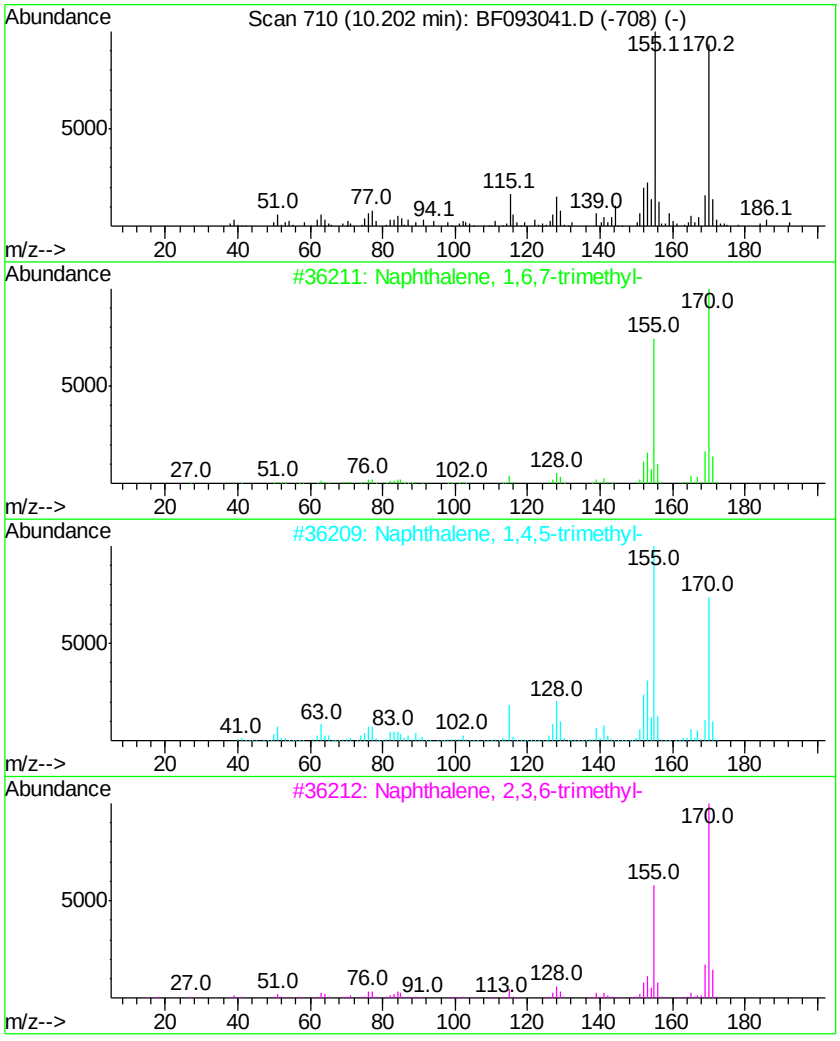
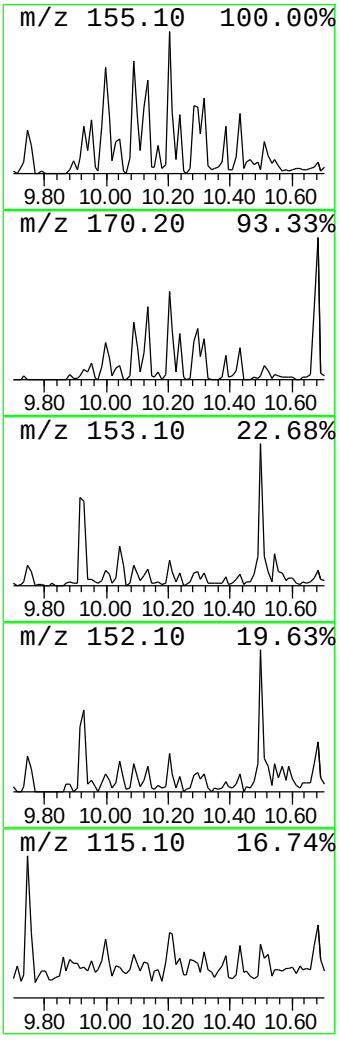
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	3.41 ng	218430	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93





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Misc :
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Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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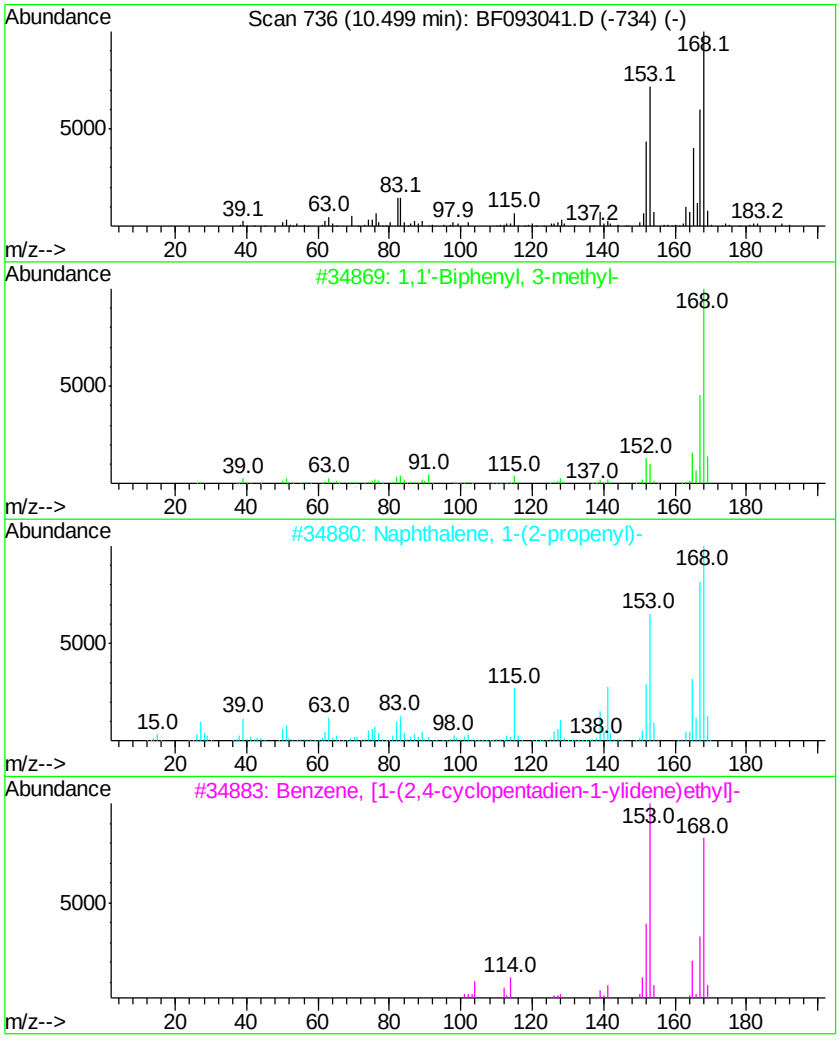
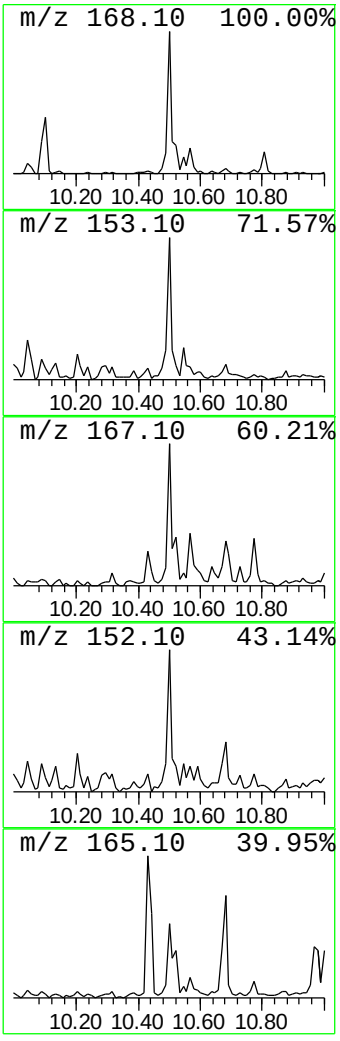
Peak Number 16 1,1'-Biphenyl, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	3.26 ng	208290	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	70
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	47
4	Diphenylmethane	168	C13H12	000101-81-5	43
5	Nordiphenamid	225	C15H15NO	000954-21-2	43





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Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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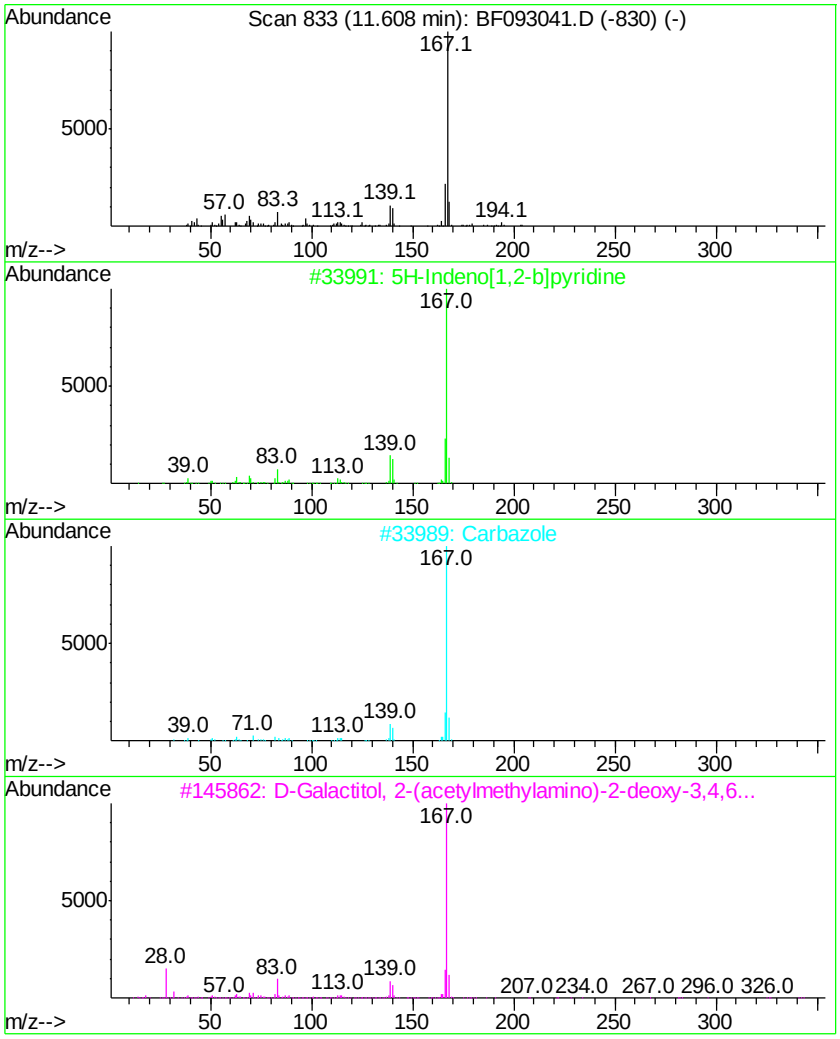
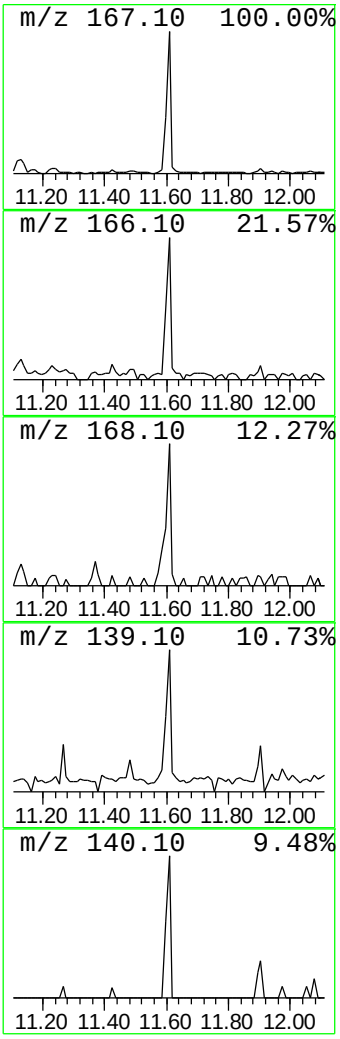
Peak Number 17 5H-Indeno[1,2-b]pyridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	2.46 ng	153305	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	87
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	83
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	78
5	4H-1,3,2-Dioxaborin, 2-ethyl-4-m...	210	C12H23BO2	074421-10-6	72





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

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

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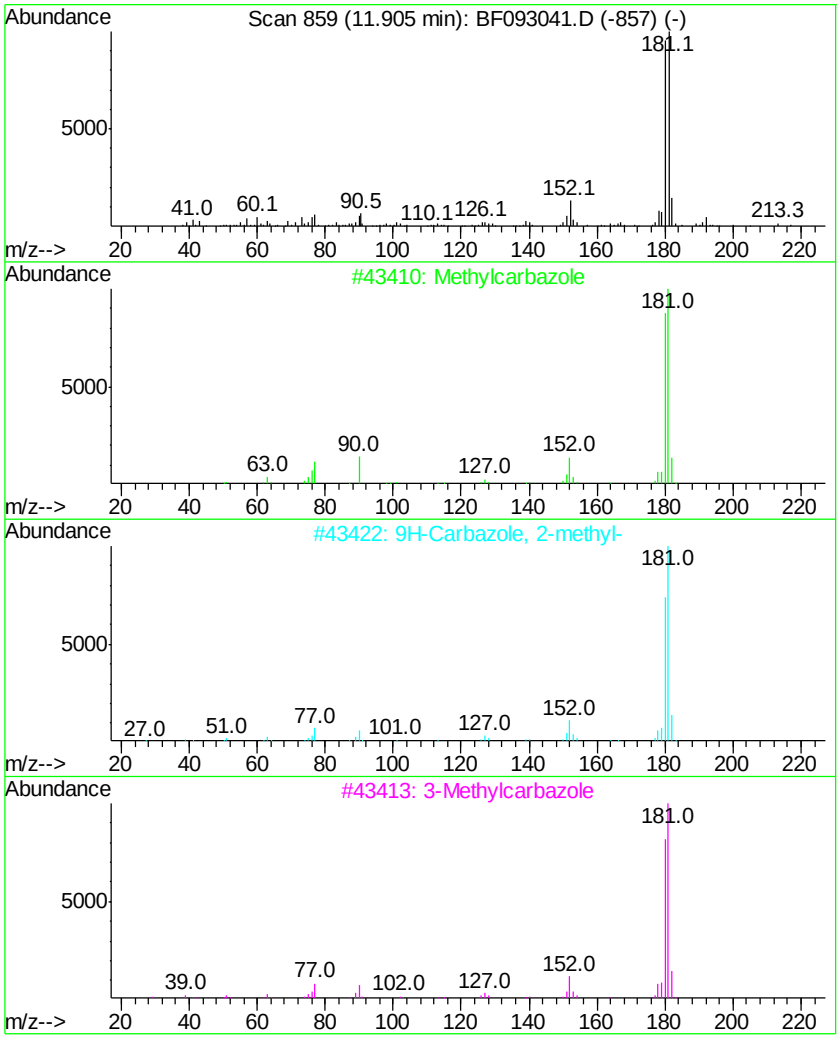
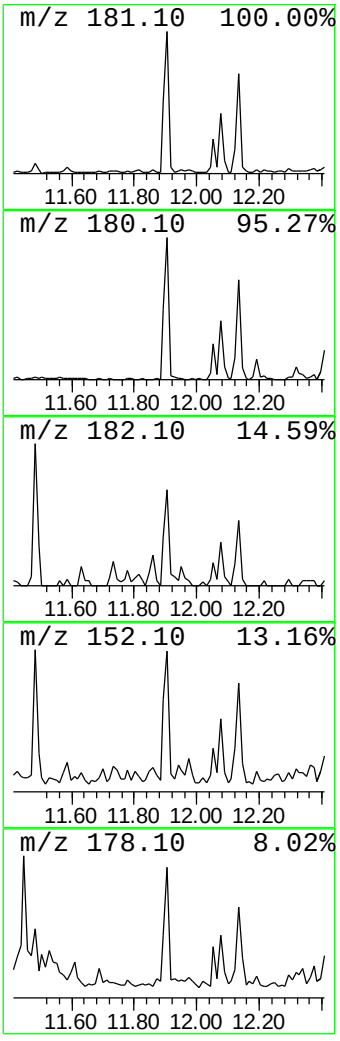
Peak Number 18 Methylcarbazole Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.19 ng	198501	Phenanthrene-d10	11.37

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





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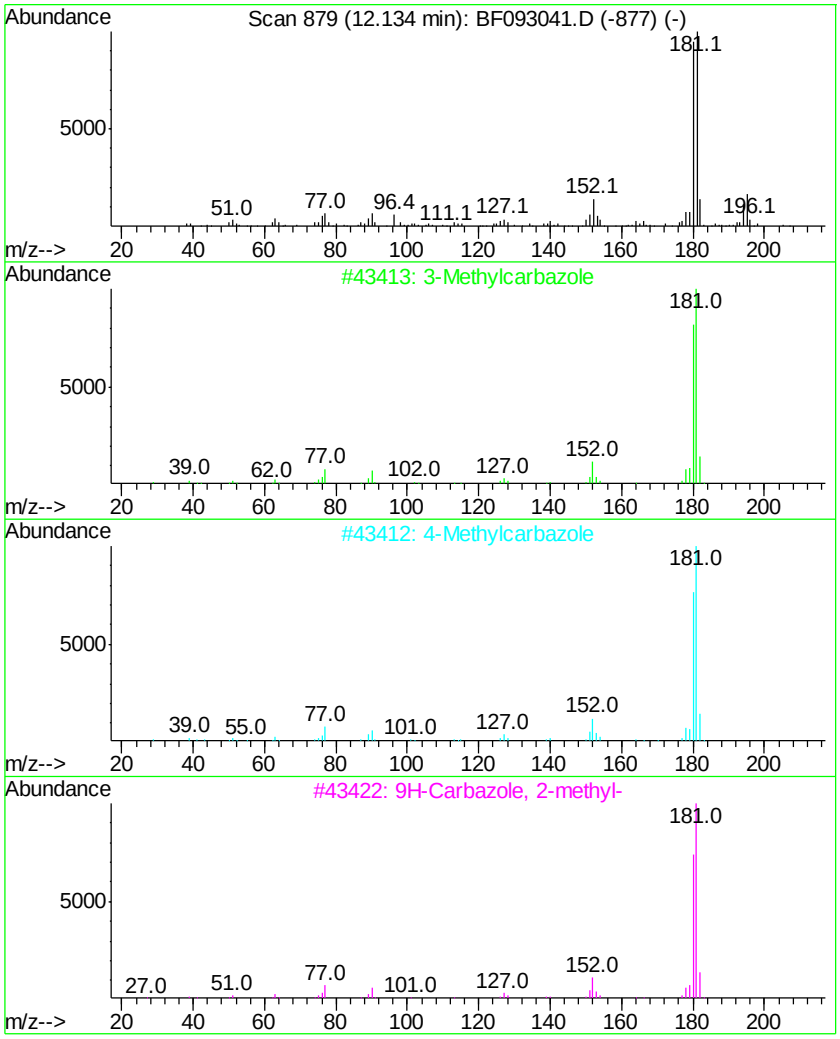
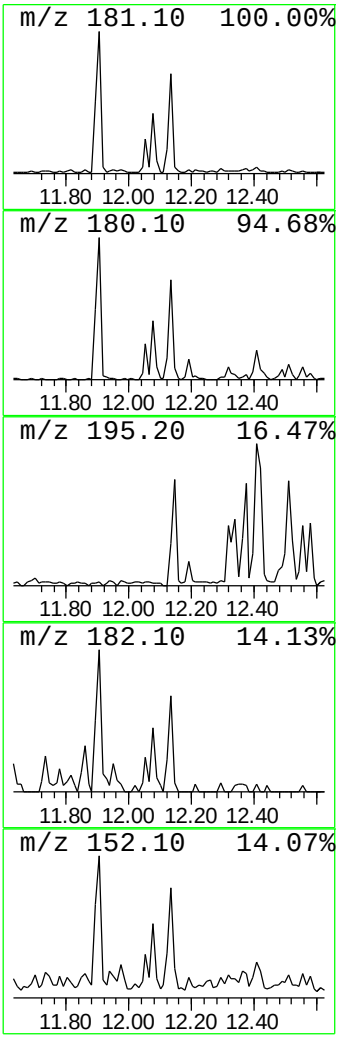
Peak Number 19 3-Methylcarbazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.59 ng	161201	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	96
2	4-Methylcarbazole	181	C13H11N	003770-48-7	96
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	96
4	1-Methylcarbazole	181	C13H11N	006510-65-2	93
5	Methylcarbazole	181	C13H11N	027323-29-1	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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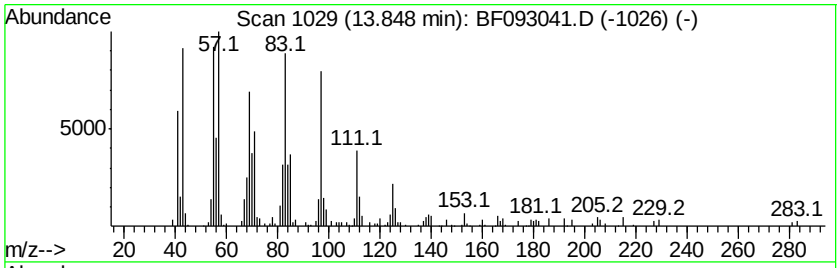
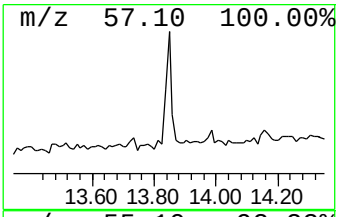
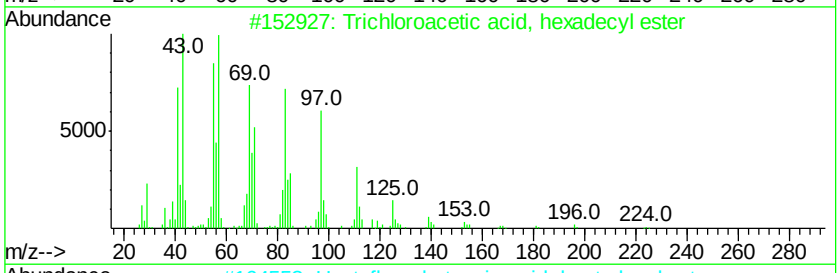
Peak Number 20 Trichloroacetic acid, hexad... Concentration Rank 14

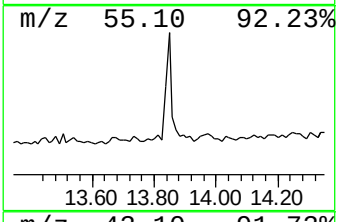
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.90 ng	172409	Chrysene-d12	14.01

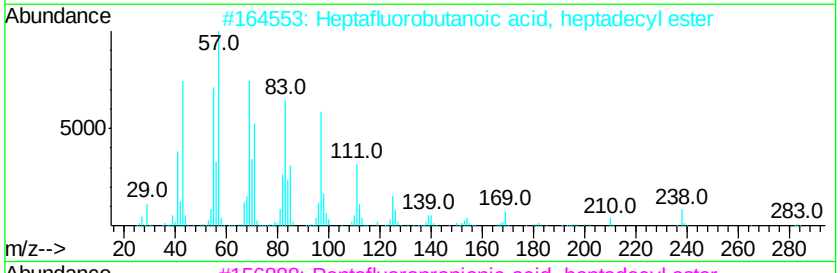
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	90
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	87
5	Cycloeicosane	280	C20H40	000296-56-0	83

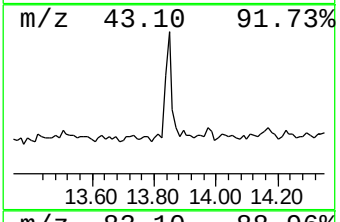


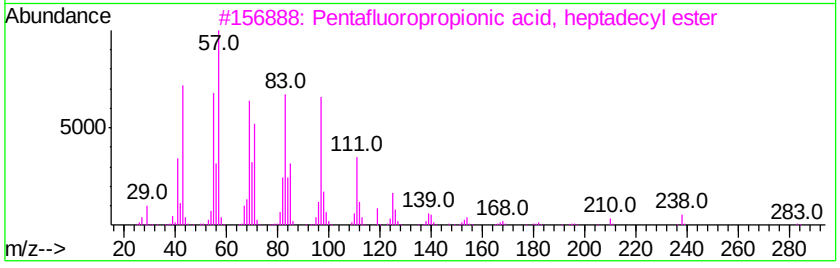


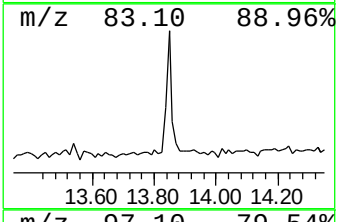


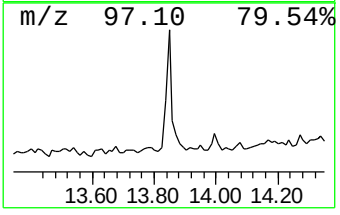












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022017\
Data File : BF093041.D
Acq On : 20 Feb 2017 21:10
Operator : SJ/MA
Sample : I1911-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HARMONFIRETOWER-ERM-33

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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...	5.00	12.7	ng	551921	1	6.84	868763	20.0
unknown6.61	6.61	77.6	ng	3370800	1	6.84	868763	20.0
Benzene, 1,1'-(1,...	7.02	8.3	ng	362124	1	6.84	868763	20.0
Benzene, 1,2-diet...	7.18	2.7	ng	118543	1	6.84	868763	20.0
1H-Indene, 2,3-di...	7.80	4.0	ng	307122	2	8.13	1528990	20.0
Benzene, 2-etheny...	7.87	6.2	ng	470819	2	8.13	1528990	20.0
1H-Indene, 2,3-di...	8.52	2.7	ng	204747	2	8.13	1528990	20.0
Naphthalene, 1,2,...	8.80	2.3	ng	177309	2	8.13	1528990	20.0
Naphthalene, 1-me...	8.94	10.5	ng	800574	2	8.13	1528990	20.0
Naphthalene, 2,6-...	9.48	4.1	ng	259786	3	9.89	1279800	20.0
Naphthalene, 2,3-...	9.55	6.2	ng	398882	3	9.89	1279800	20.0
Naphthalene, 1,3-...	9.66	4.9	ng	314074	3	9.89	1279800	20.0
Naphthalene, 1,6,...	10.20	3.4	ng	218430	3	9.89	1279800	20.0
1,1'-Biphenyl, 3-...	10.50	3.3	ng	208290	3	9.89	1279800	20.0
5H-Indeno[1,2-b]p...	11.61	2.5	ng	153305	4	11.37	1245650	20.0
Methylcarbazole	11.91	3.2	ng	198501	4	11.37	1245650	20.0
3-Methylcarbazole	12.13	2.6	ng	161201	4	11.37	1245650	20.0
Trichloroacetic a...	13.85	2.9	ng	172409	5	14.01	1188030	20.0