LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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-BF112916.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	5.018	237	239	242	rBV	344060	466762	10.20%	0.814%
2	5.304	262	264	266	rVB	201578	188157	4.11%	0.328%
3	5.441	274	276	279	rVB	1802344	1821429	39.79%	3.177%
4	5.681	293	297	299	rBV	125550	128280	2.80%	0.224%
5	6.013	323	326	328	rBV	157998	149821	3.27%	0.261%
6	6.470	364	366	369	rVB	1224475	1089777	23.81%	1.901%
7	6.539	369	372	373	rBV	311756	342643	7.48%	0.598%
8	6.619	376	379	381	rBV	3478861	3628774	79.27%	6.329%
9	6.801	393	395	397	rBV2	63573	75138	1.64%	0.131%
10	6.847	397	399	401	rVB	906143	739745	16.16%	1.290%
11	6.973	408	410	411	rBV	732215	869573	19.00%	1.517%
12	7.007	411	413	415	rVV	3539374	3132106	68.42%	5.462%
13	7.110	418	422	423	rBV	74739	83367	1.82%	0.145%
14	7.190	427	429	432	rVB2	45328	64732	1.41%	0.113%
15	7.247	432	434	436	rBV	66782	72139	1.58%	0.126%
16	7.419	446	449	451	rVV	2250817	3160376	69.04%	5.512%
17	7.499	453	456	458	rVB2	139532	187841	4.10%	0.328%
18	7.556	458	461	463	rBV	261226	277604	6.06%	0.484%
19	7.716	472	475	478	rVB2	101144	136537	2.98%	0.238%
20	7.784	478	481	483	rBV	81935	95790	2.09%	0.167%
21	7.876	486	489	495	rVV2	588047	1343447	29.35%	2.343%
22	8.024	495	502	504	rVV	423310	1097865	23.98%	1.915%
23	8.070	504	506	508	rVV3	47743	90302	1.97%	0.157%
24	8.127	508	511	513	rVV2	907821	1286188	28.10%	2.243%
25	8.162	513	514	515	rVB	134472	92248	2.02%	0.161%
26	8.207	515	518	519	rBV	336923	347014	7.58%	0.605%
27	8.310	524	527	530	rVV3	133518	320945	7.01%	0.560%
28	8.379	532	533	537	rVB2	82327	106756	2.33%	0.186%
29	8.459	537	540	541	rBV3	50702	94699	2.07%	0.165%
30	8.493	541	543	544	rVV2	72179	95524	2.09%	0.167%
31	8.539	544	547	548	rVB2	43343	74756	1.63%	0.130%
32	8.562	548	549	551	rBV2	53032	71774	1.57%	0.125%
33	8.607	551	553	555	rVV3	179856	353543	7.72%	0.617%
34	8.642	555	556	558	rVV	170796	149345	3.26%	0.260%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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-BF112916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.676	558	559	560	rVV	134967	108102	2.36%	0.189%
36	8.767	564	567	568	rBV2	91851	124145	2.71%	0.217%
37	8.802	568	570	572	rVV	744456	661744	14.46%	1.154%
38	8.859	572	575	577	rVV4	59909	121379	2.65%	0.212%
39	8.916	577	580	584	rVB2	531867	1105465	24.15%	1.928%
40	8.985	584	586	588	rBV	716323	656741	14.35%	1.145%
41	9.019	588	589	593	rVB3	42053	68243	1.49%	0.119%
42	9.122	596	598	601	rVB2	160538	289923	6.33%	0.506%
43	9.213	603	606	608	rBV	4956243	4561772	99.65%	7.956%
44	9.293	611	613	614	rBV	44650	65991	1.44%	0.115%
45	9.316	614	615	616	rVB	110909	76084	1.66%	0.133%
46	9.385	619	621	623	rVV3	602343	990835	21.64%	1.728%
47	9.419	623	624	626	rVB	719196	567822	12.40%	0.990%
48	9.476	626	629	630	rBV	448602	424029	9.26%	0.740%
49	9.510	630	632	634	rVV	161261	180027	3.93%	0.314%
50	9.545	634	635	637	rVB2	68057	76086	1.66%	0.133%
51	9.579	637	638	643	rBV3	248847	359060	7.84%	0.626%
52	9.659	643	645	649	rBV2	510463	846722	18.50%	1.477%
53	9.750	650	653	655	rBV	574995	807472	17.64%	1.408%
54	9.887	660	665	666	rBV	1354409	1501511	32.80%	2.619%
55	9.922	666	668	670	rVB	1458545	1347159	29.43%	2.349%
56	10.002	673	675	676	rBV2	65876	82219	1.80%	0.143%
57	10.036	676	678	680	rBV2	738439	776861	16.97%	1.355%
58	10.093	680	683	685	rVB2	465852	551978	12.06%	0.963%
59	10.127	685	686	688	rBV2	118278	99481	2.17%	0.173%
60	10.207	691	693	694	rVB2	171275	194819	4.26%	0.340%
61	10.242	694	696	697	rVB2	62081	76463	1.67%	0.133%
62	10.310	697	702	706	rBV6	141780	404291	8.83%	0.705%
63	10.402	706	710	711	rBV2	285434	332777	7.27%	0.580%
64	10.425	711	712	715	rVB3	88602	162050	3.54%	0.283%
65	10.493	715	718	719	rBV3	116588	249986	5.46%	0.436%
66	10.562	721	724	725	rBV2	363504	479530	10.48%	0.836%
67	10.676	731	734	736	rVB	3294762	3309672	72.30%	5.772%
68	10.722	736	738	740	rVB2	80851	94725	2.07%	0.165%
69	10.779	740	743	746	rBV2	654967	927988	20.27%	1.618%
70	10.825	746	747	749	rVB2	101406	121542	2.66%	0.212%
71	10.870	749	751	753	rBV	117202	135045	2.95%	0.236%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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-BF112916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.928	753	756	757	rBV2	84436	120197	2.63%	0.210%
73	10.962	757	759	764	rVB4	129852	272914	5.96%	0.476%
74	11.065	764	768	769	rBV	157290	199103	4.35%	0.347%
75	11.156	772	776	777	rBV3	100809	153199	3.35%	0.267%
76	11.259	781	785	787	rBV	240195	319585	6.98%	0.557%
77	11.305	787	789	793	rBV2	288458	500810	10.94%	0.873%
78	11.373	793	795	797	rBV	755974	1069771	23.37%	1.866%
79	11.476	802	804	806	rVV3	102467	148615	3.25%	0.259%
80	11.522	806	808	811	rVB3	47880	73440	1.60%	0.128%
81	11.636	816	818	819	rBV2	69130	65727	1.44%	0.115%
82	11.693	822	823	827	rVV3	128554	222277	4.86%	0.388%
83	11.762	827	829	833	rVV2	100099	235816	5.15%	0.411%
84	11.819	833	834	837	rVV2	103919	224719	4.91%	0.392%
85	11.899	840	841	843	rVV2	157819	173384	3.79%	0.302%
86	11.933	843	844	846	rVB2	51387	68653	1.50%	0.120%
87	11.979	846	848	851	rBV2	469058	489714	10.70%	0.854%
88	12.162	863	864	867	rVV	128071	160959	3.52%	0.281%
89	12.253	868	872	874	rVV3	66968	127957	2.80%	0.223%
90	12.311	876	877	880	rVB3	50460	68775	1.50%	0.120%
91	12.413	883	886	887	rBV3	49461	84442	1.84%	0.147%
92	12.459	887	890	892	rVV3	64066	72536	1.58%	0.127%
93	12.493	892	893	898	rVV4	66837	141870	3.10%	0.247%
94	12.573	898	900	903	rVB	404248	343683	7.51%	0.599%
95	12.688	908	910	912	rBV	184831	165377	3.61%	0.288%
96	12.802	917	920	924	rVB	463886	452396	9.88%	0.789%
97	12.962	931	934	936	rBV	3468543	4577841	100.00%	7.984%
98	13.294	961	963	968	rBV3	42140	91768	2.00%	0.160%
99	14.002	1022	1025	1027	rBV	642267	889454	19.43%	1.551%
100	15.419	1146	1149	1152	rBV	504064	649833	14.20%	1.133%

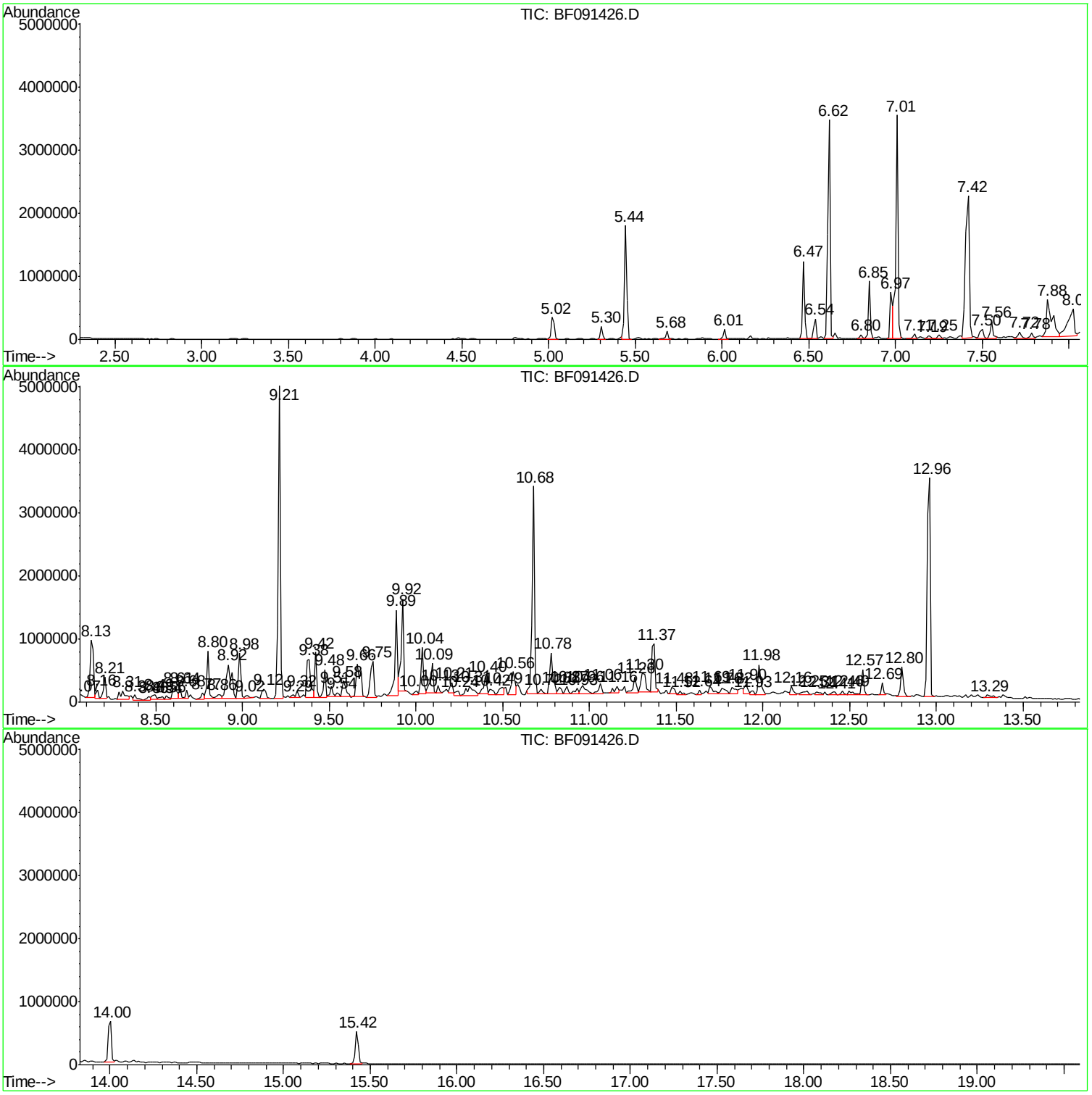
Sum of corrected areas: 57339551

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

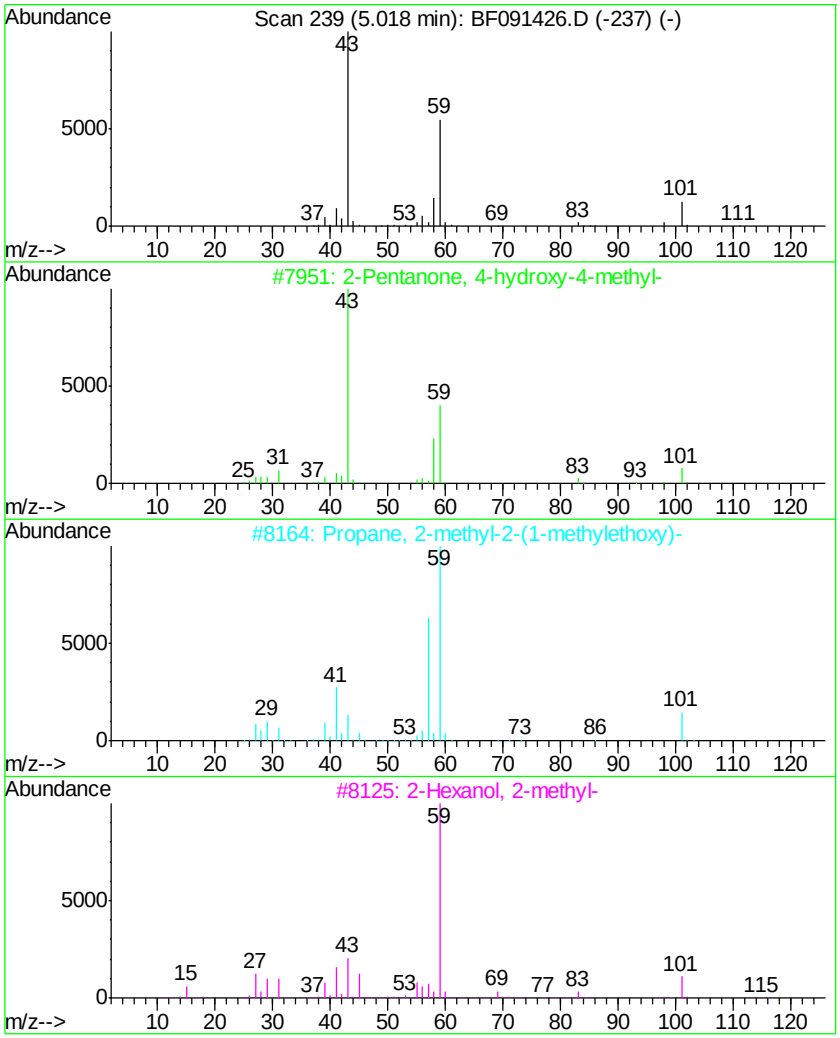
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

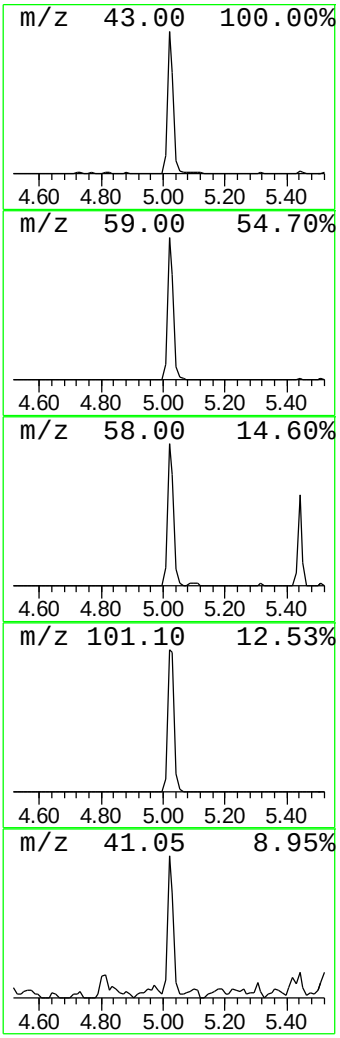
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	12.62 ng	466762	1,4-Dichlorobenzene-d4	6.85

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	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

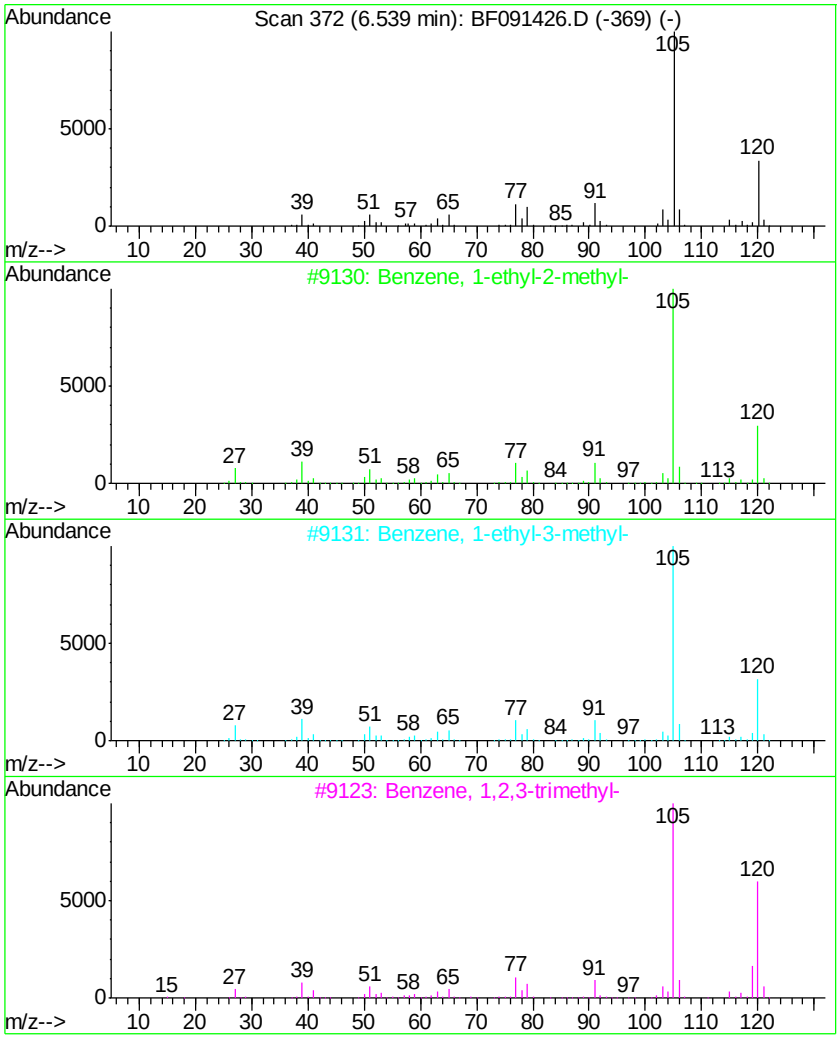
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

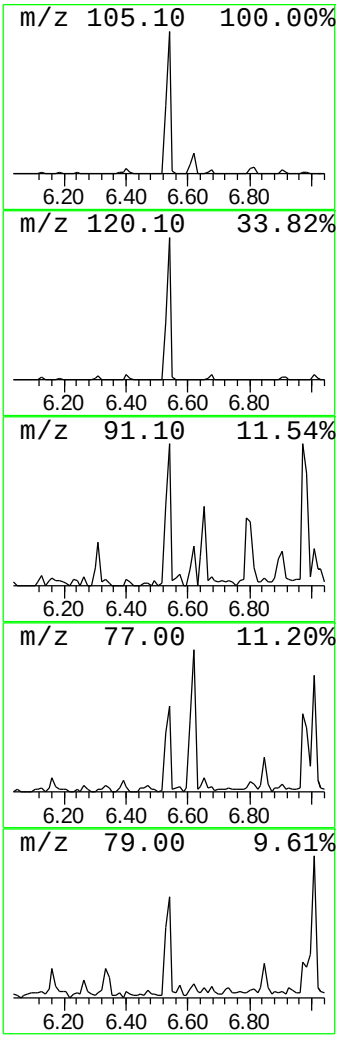
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	9.26 ng	342643	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

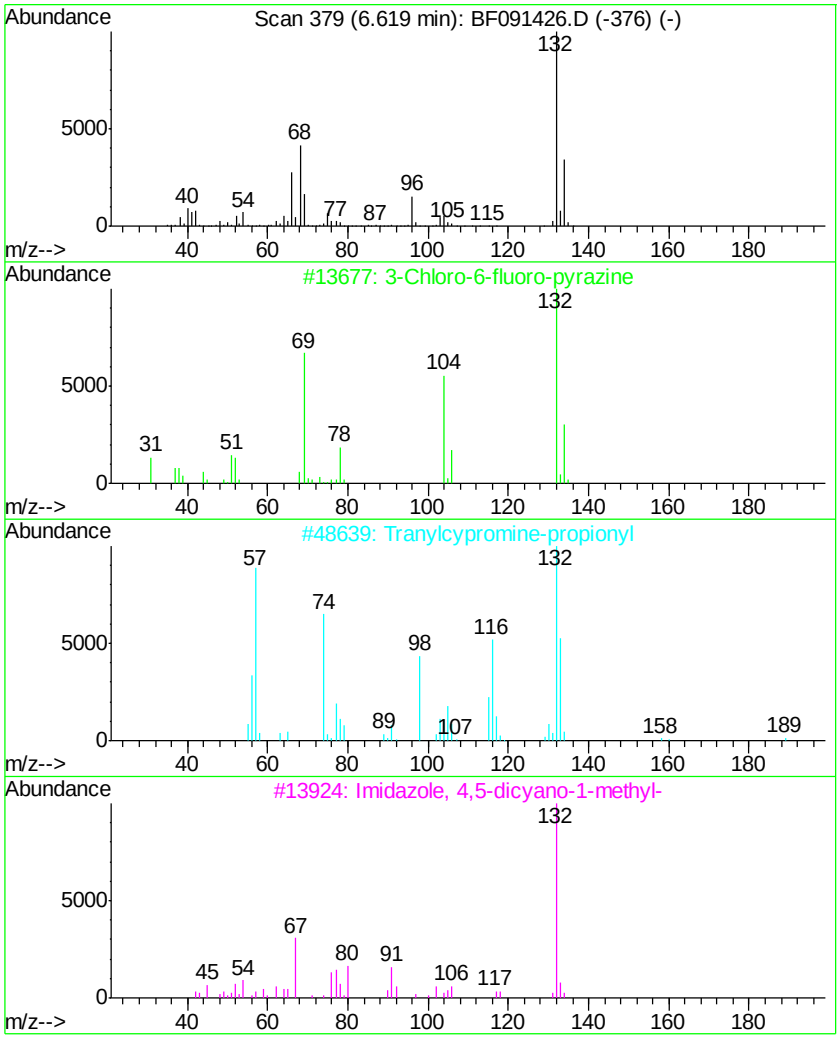
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

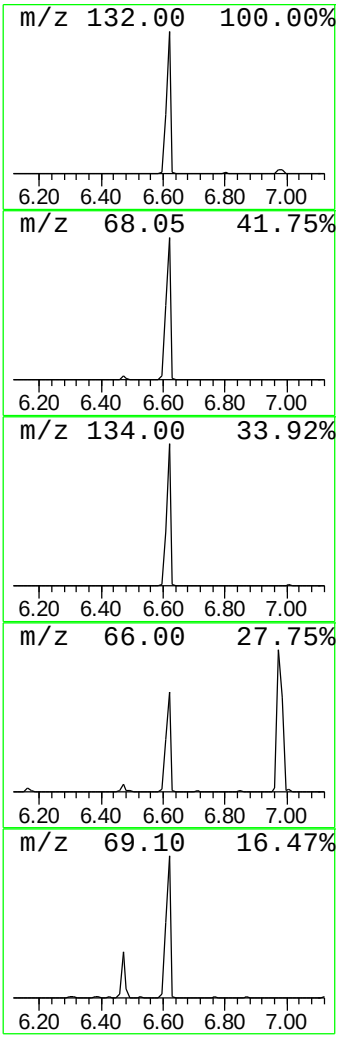
****

Peak Number 3 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	98.11 ng	3628770	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

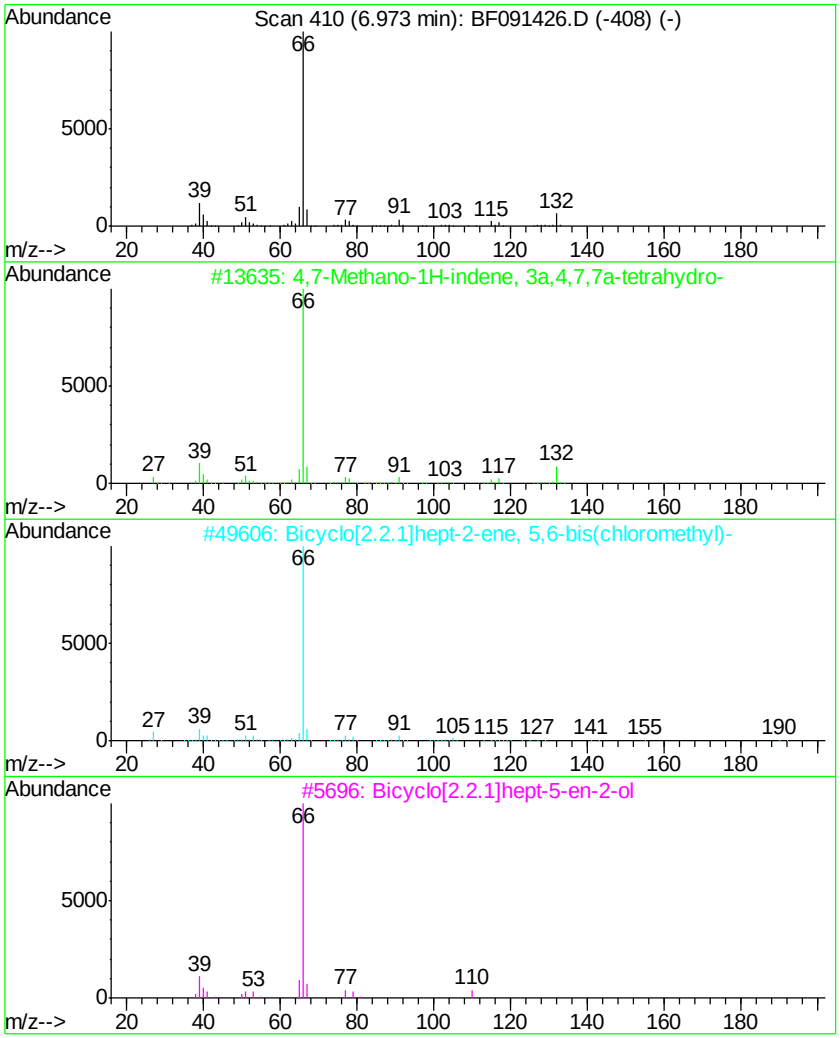
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

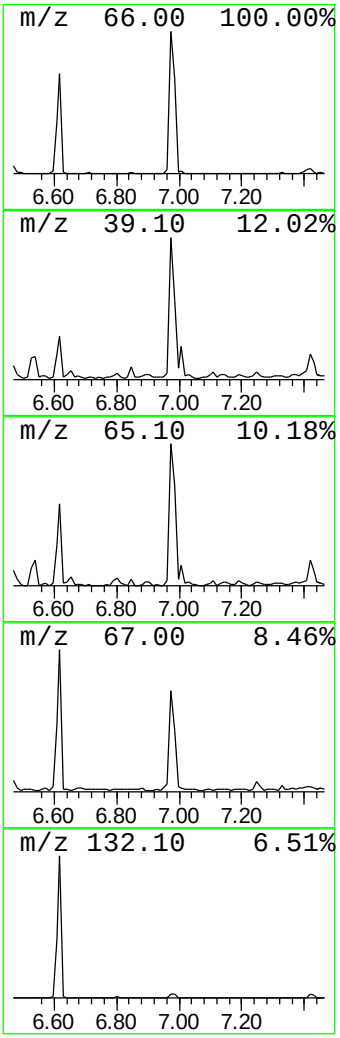
****

Peak Number 4 4,7-Methano-1H-indene, 3a,4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	23.51 ng	869573	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	91
2	Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	83
3	Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	83
4	Bicyclo[2.2.1]hept-2-ene, 5-ethe...	120	C9H12	003048-64-4	83
5	Propanedinitrile	66	C3H2N2	000109-77-3	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

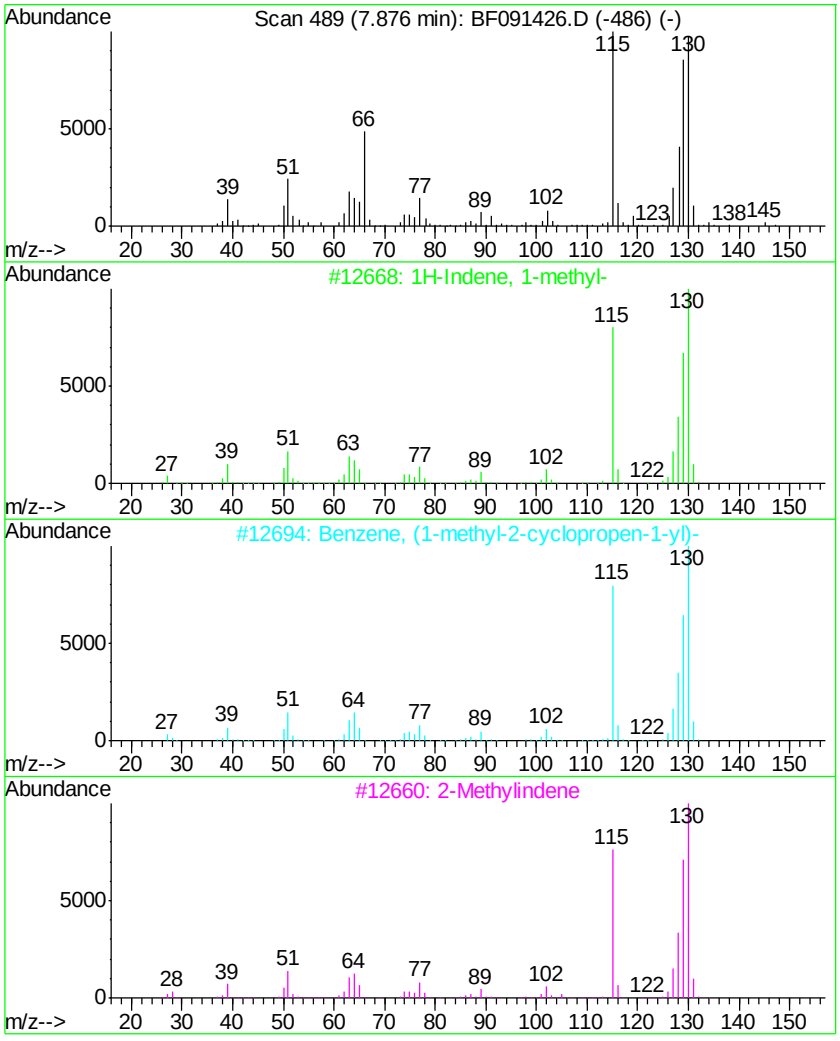
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

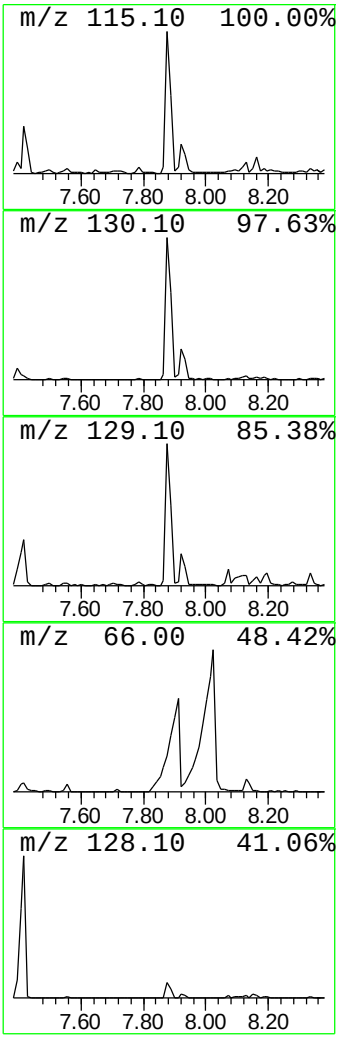
****

Peak Number 6 1H-Indene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	20.89 ng	1343450	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91
3	2-Methylindene	130	C10H10	002177-47-1	91
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	90
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

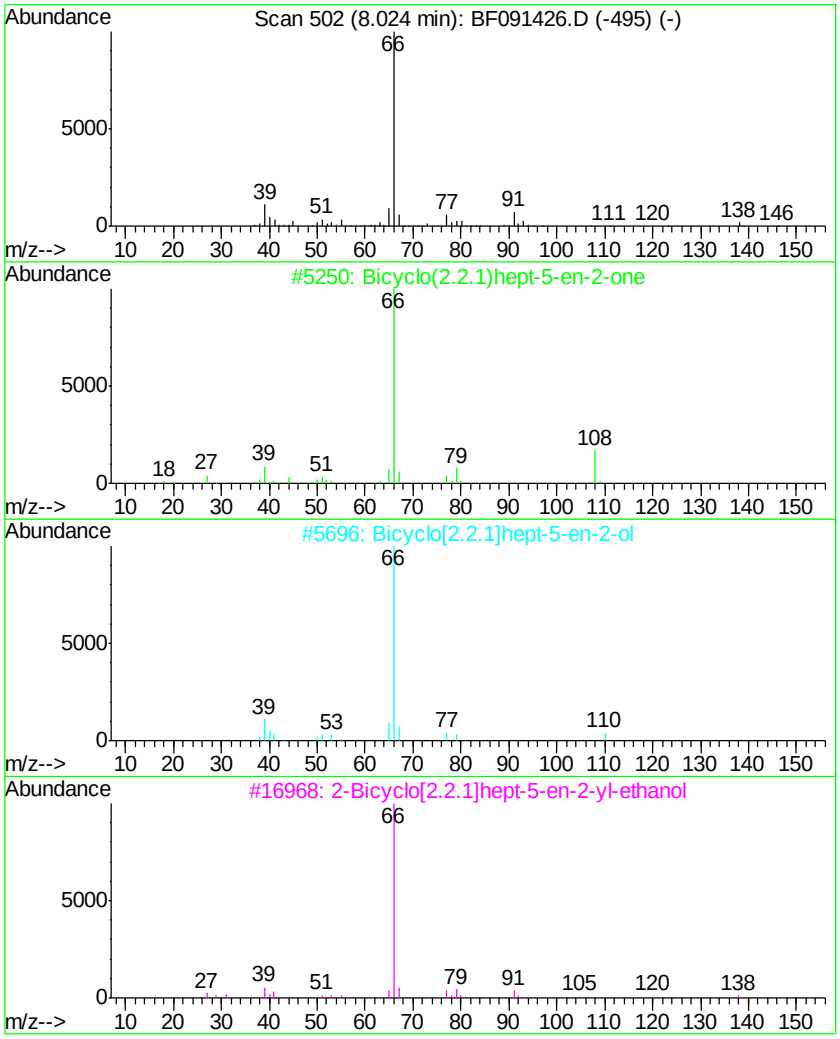
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

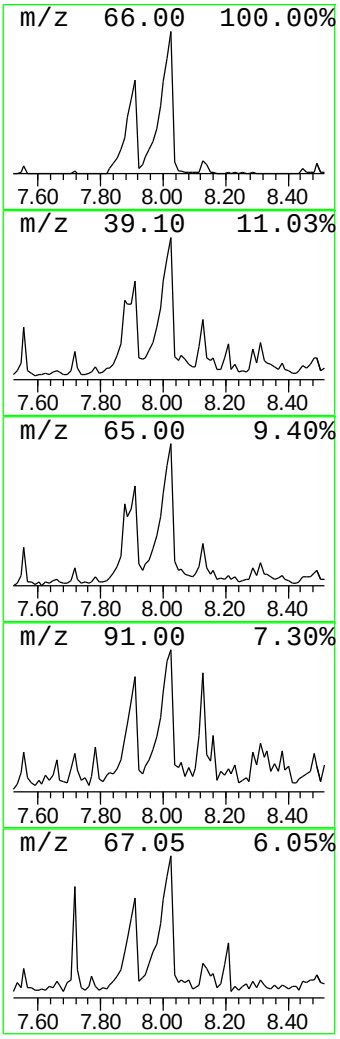
****

Peak Number 7 Bicyclo(2.2.1)hept-5-en-2-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	17.07 ng	1097870	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo(2.2.1)hept-5-en-2-one	108	C7H8O	000694-98-4	83
2	Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	83
3	2-Bicyclo[2.2.1]hept-5-en-2-yl-e...	138	C9H14O	013080-91-6	83
4	2-Methylbicyclo[2.2.1]-5-heptene...	152	C9H12O2	000825-03-6	83
5	5-Norbornene-2,3-diacetonitrile	172	C11H12N2	101832-55-7	83





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Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

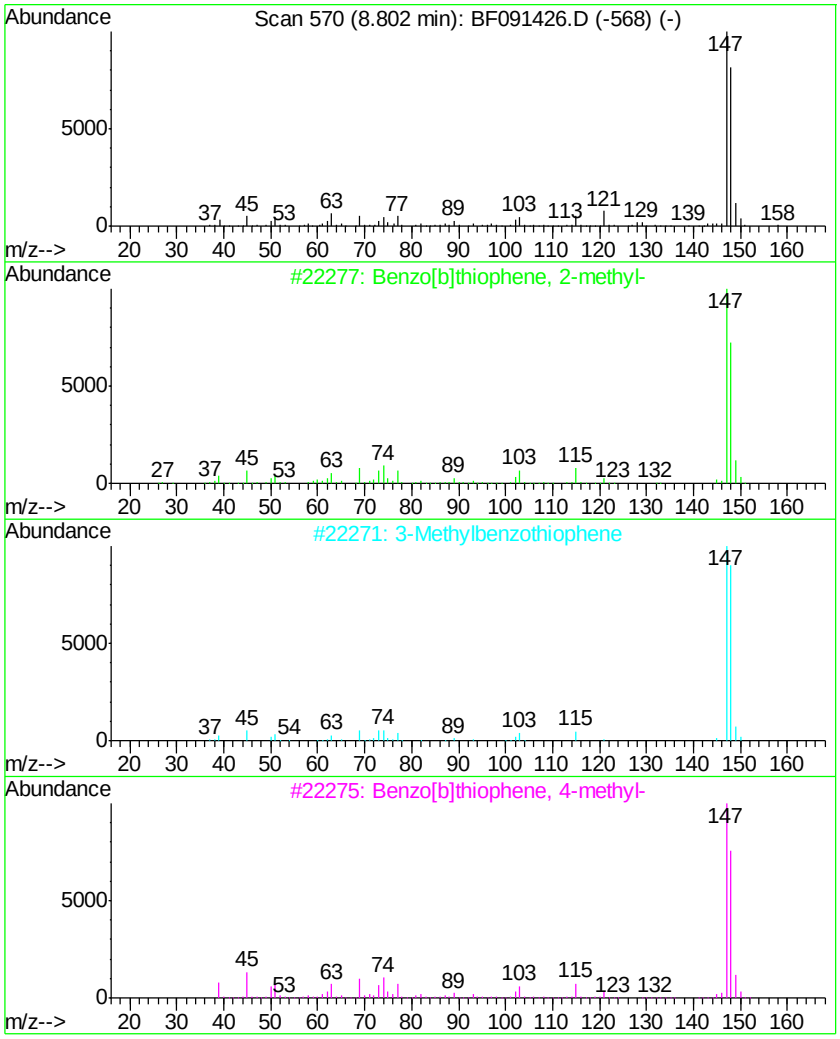
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

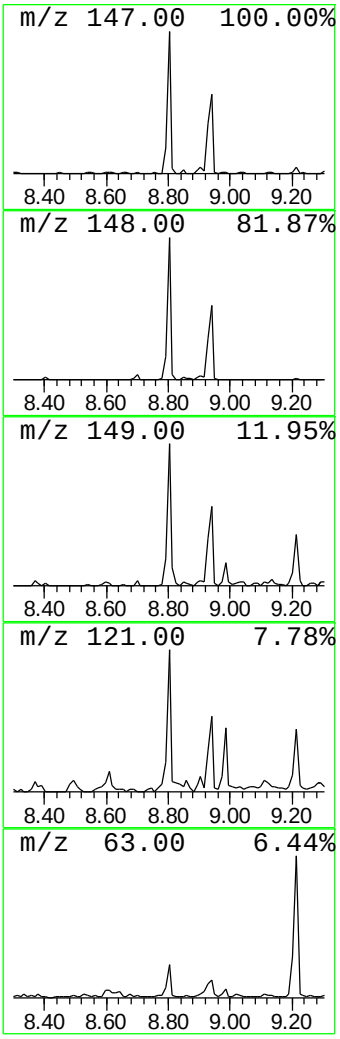
****

Peak Number 8 Benzo[b]thiophene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	10.29 ng	661744	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
4	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
5	Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	80





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Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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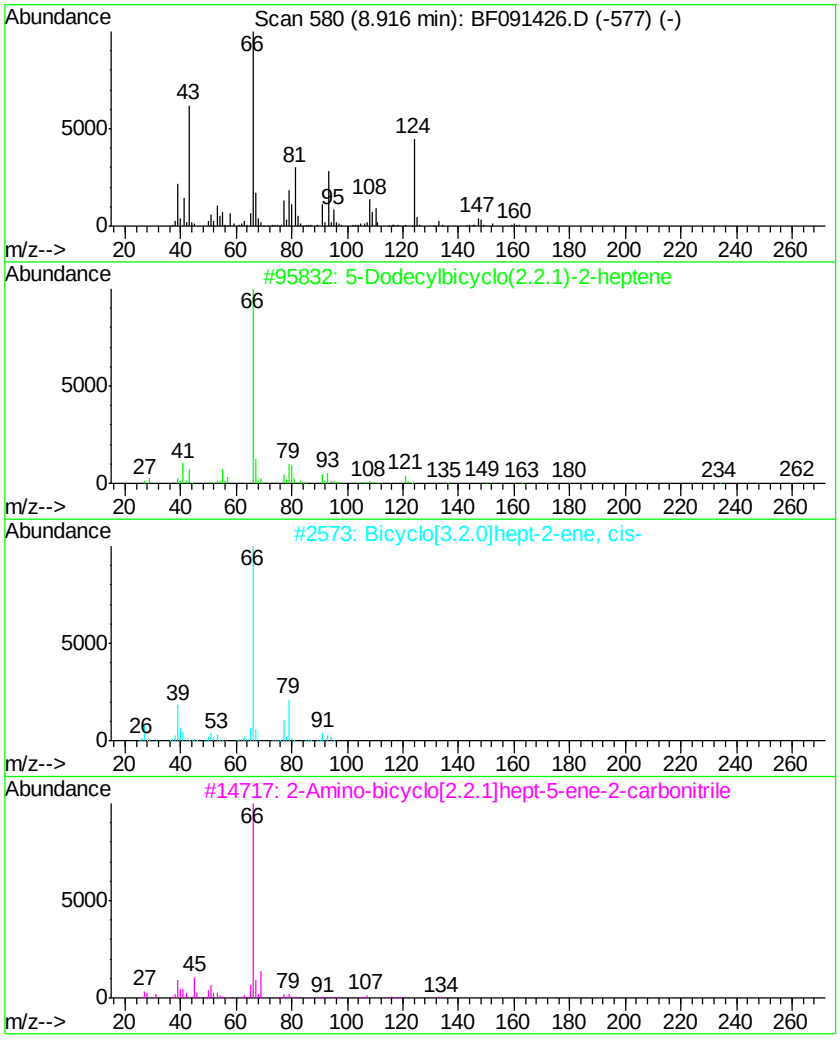
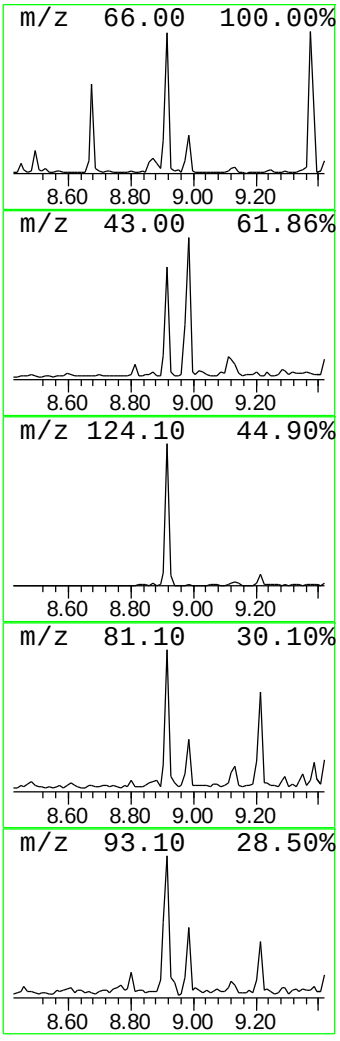
Peak Number 9 5-Dodecylbicyclo(2.2.1)-2-h... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	17.19 ng	1105470	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Dodecylbicyclo(2.2.1)-2-heptene	262	C19H34	022094-86-6	64
2	Bicyclo[3.2.0]hept-2-ene, cis-	94	C7H10	1000155-54-0	64
3	2-Amino-bicyclo[2.2.1]hept-5-ene...	134	C8H10N2	1000190-89-6	64
4	Tetrazolo[1,5-a]pyrazine	121	C4H3N5	013349-87-6	64
5	Spiro[bicyclo[2.2.1]hept-5-ene-2...	180	C10H12O3	1000142-21-3	59





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Misc :
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Instrument : BNA_F
ClientSampleId : MW-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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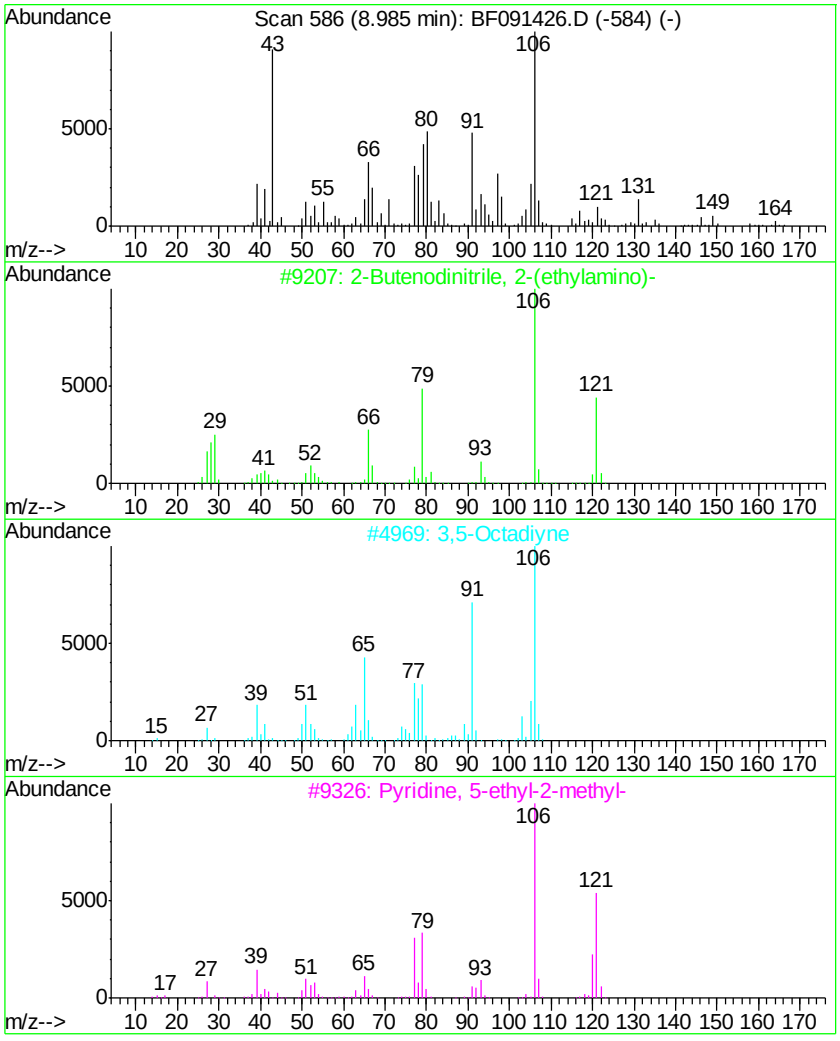
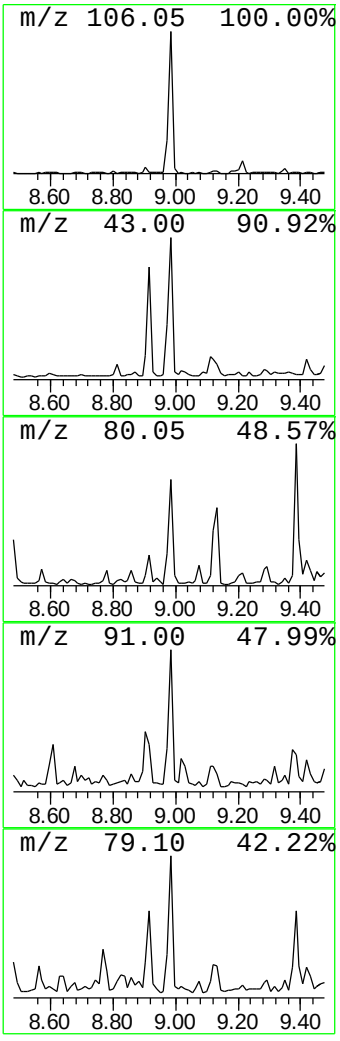
Peak Number 10 unknown8.98 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	10.21 ng	656741	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenodinitrile, 2-(ethylamino)-	121	C6H7N3	1000196-59-7	43
2	3,5-Octadiyne	106	C8H10	016387-70-5	43
3	Pyridine, 5-ethyl-2-methyl-	121	C8H11N	000104-90-5	35
4	Benzeneacetamide, .alpha.-amino-	150	C8H10N2O	000700-63-0	27
5	Spiro[2.4]heptane, 1-ethenyl-5-(...	160	C12H16	074793-03-6	27





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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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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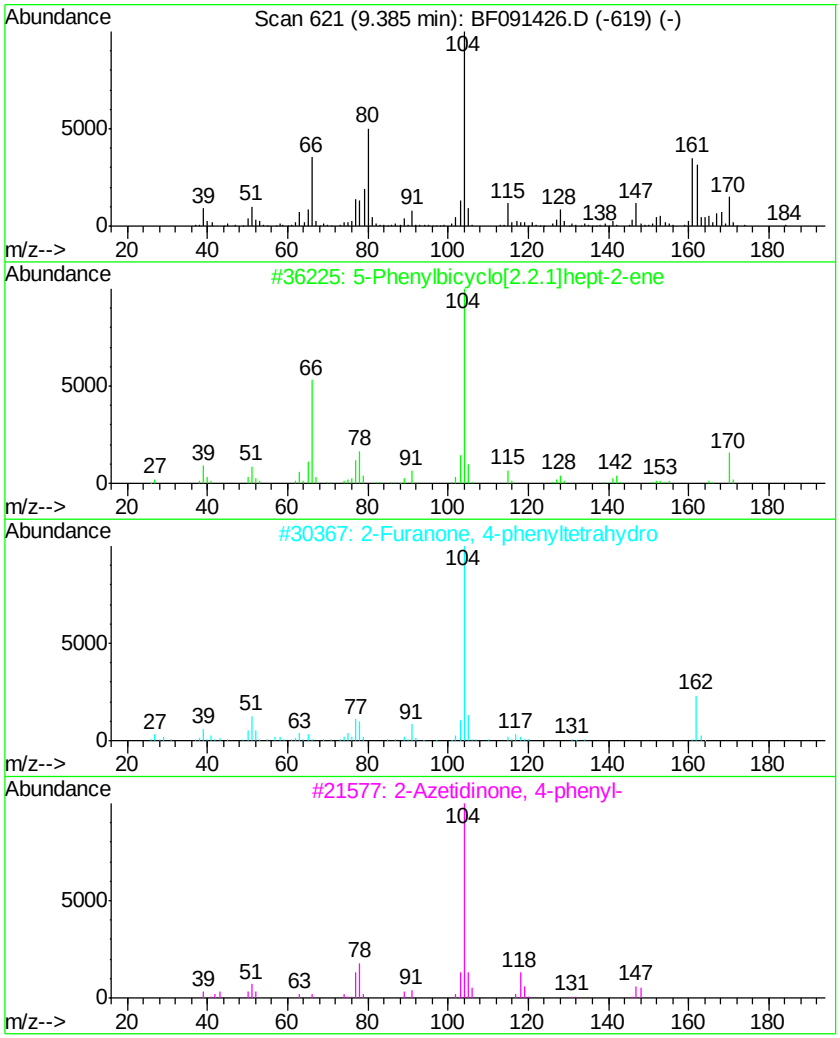
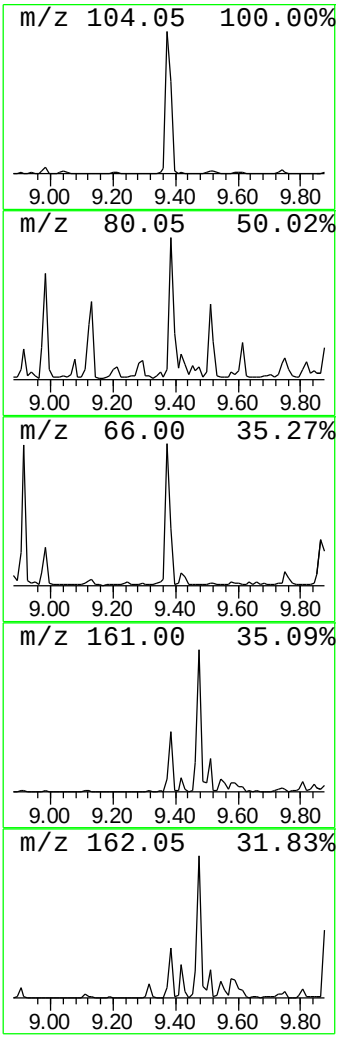
Peak Number 11 5-Phenylbicyclo[2.2.1]hept-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	13.20 ng	990835	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Phenylbicyclo[2.2.1]hept-2-ene	170	C13H14	006143-30-2	64
2	2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	38
3	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	22
4	Sydnone, 3-phenyl-	162	C8H6N2O2	000120-06-9	22
5	Benzeneethanol, .alpha.,.alpha.-...	162	C11H14O	025982-72-3	22





Library Search Compound Report

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Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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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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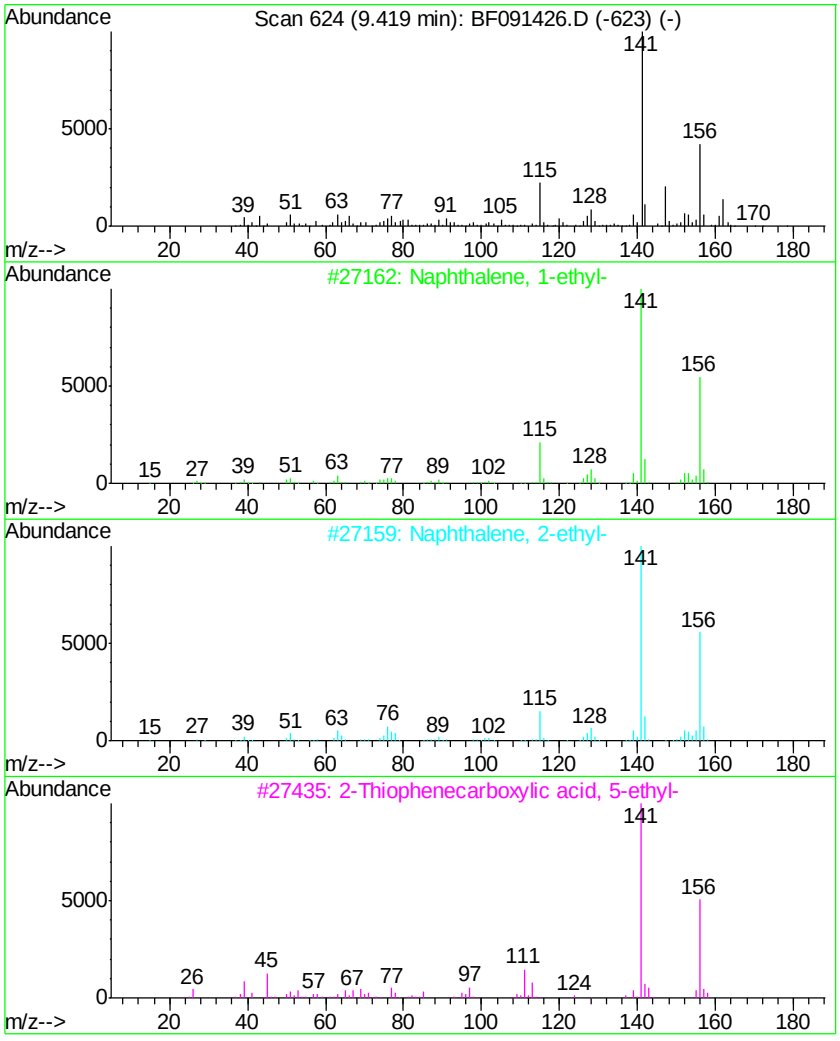
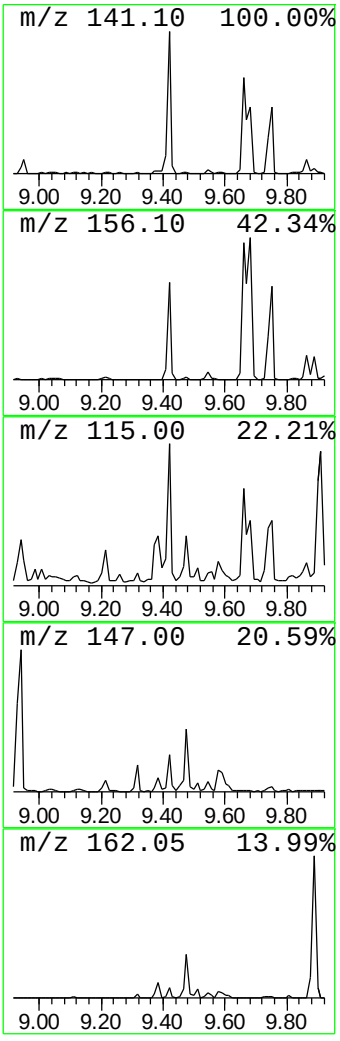
Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	7.56 ng	567822	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	50
4	Ethanone, 1-(2,6-difluorophenyl)-	156	C8H6F2O	013670-99-0	50
5	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	43





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Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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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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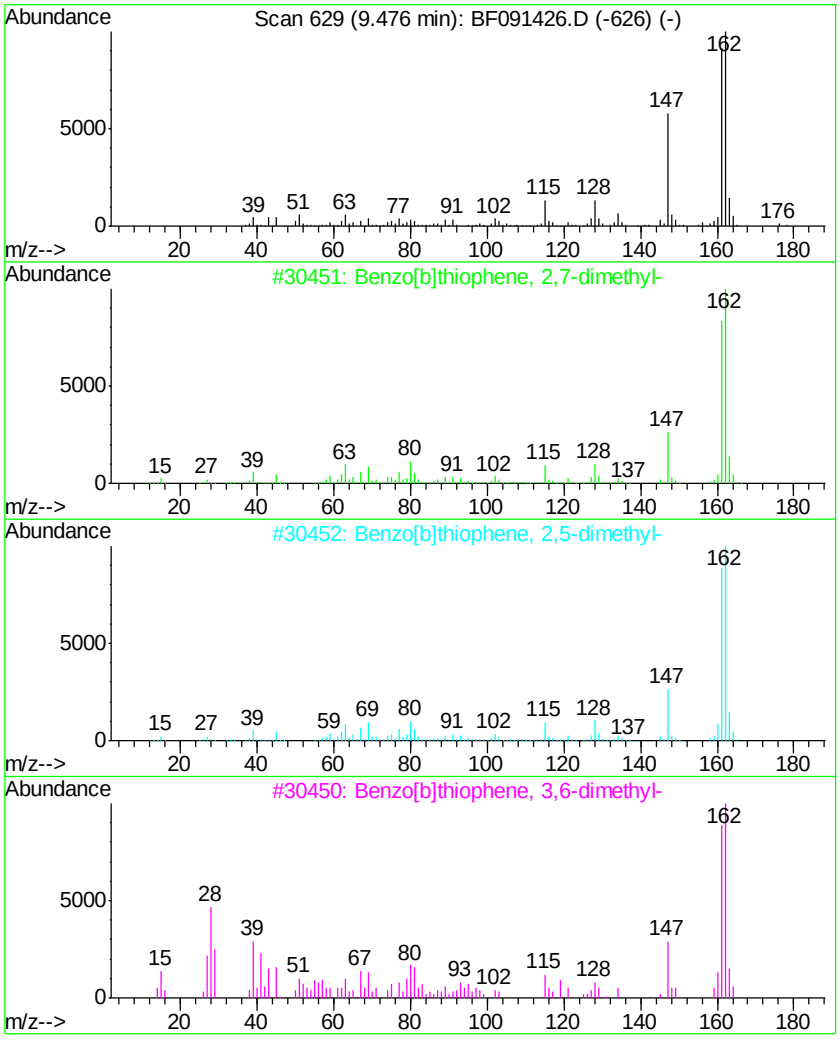
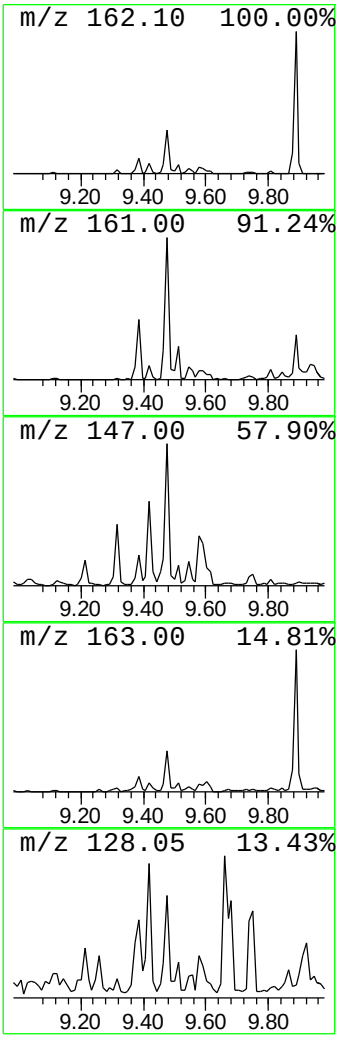
Peak Number 13 Benzo[b]thiophene, 2,7-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	5.65 ng	424029	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	87
2	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	83
3	Benzo[b]thiophene, 3,6-dimethyl-	162	C10H10S	016587-50-1	72
4	4-Piperidinopyridine	162	C10H14N2	002767-90-0	58
5	1,2,3,4-Tetrahydro-1-methyl-4-ox...	162	C9H10N2O	035042-16-1	53





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Misc :
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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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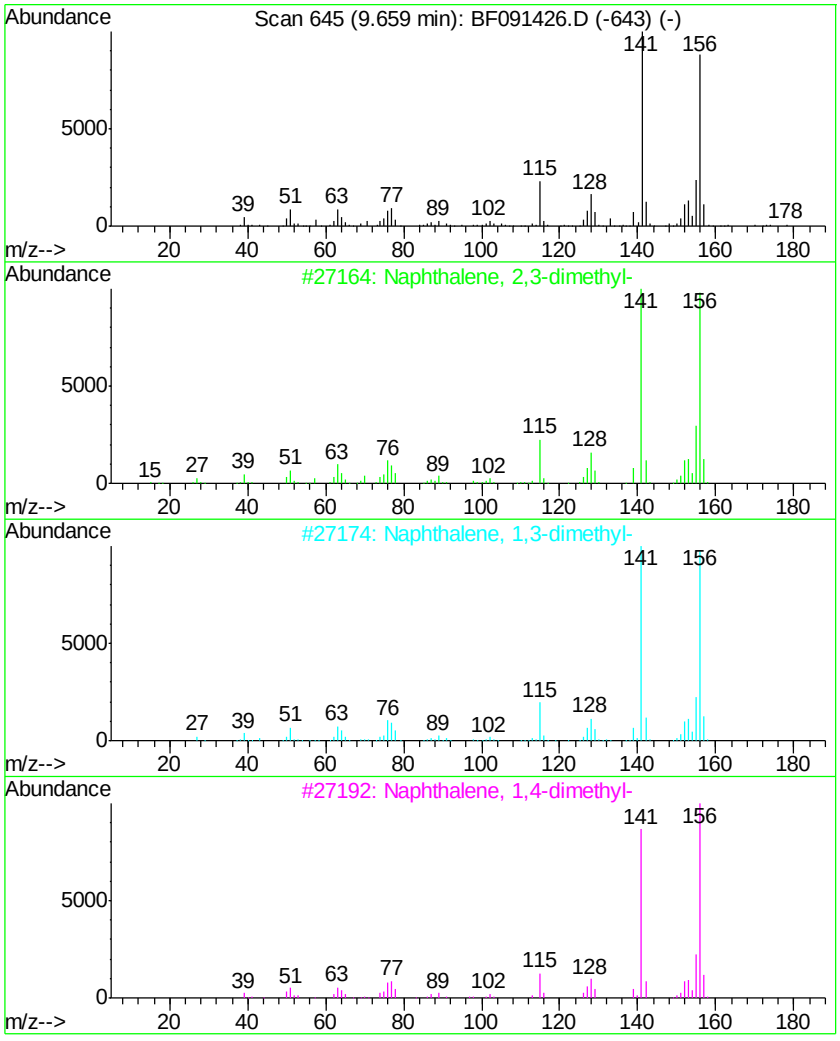
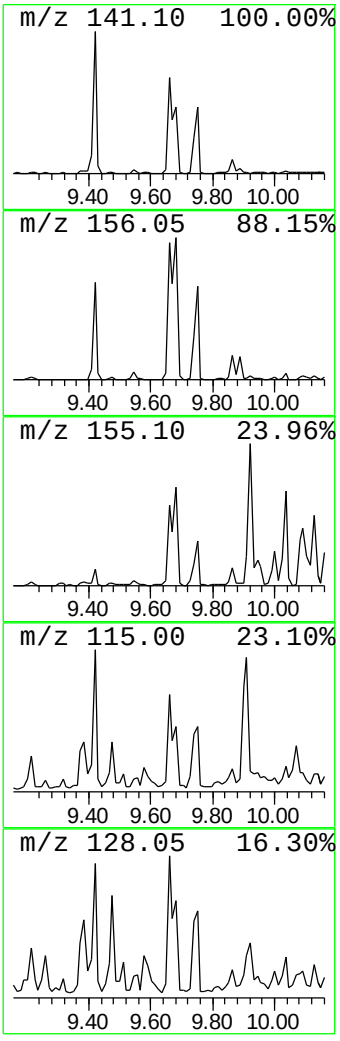
Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	11.28 ng	846722	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
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 : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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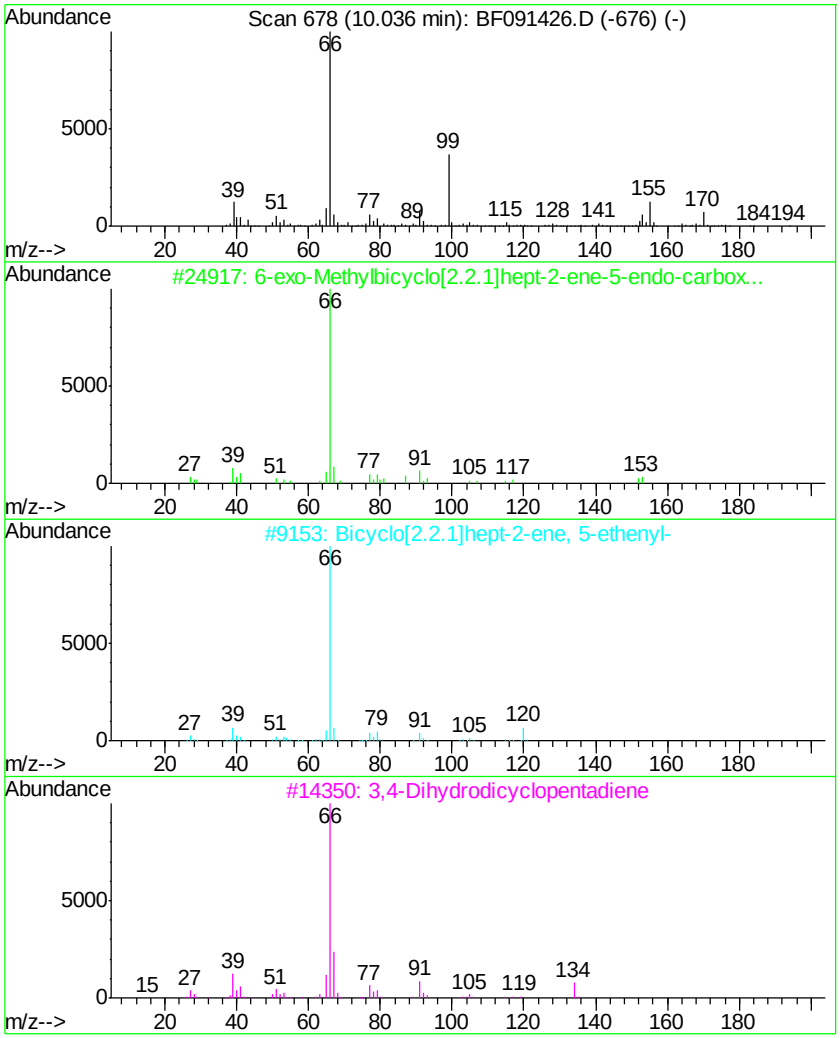
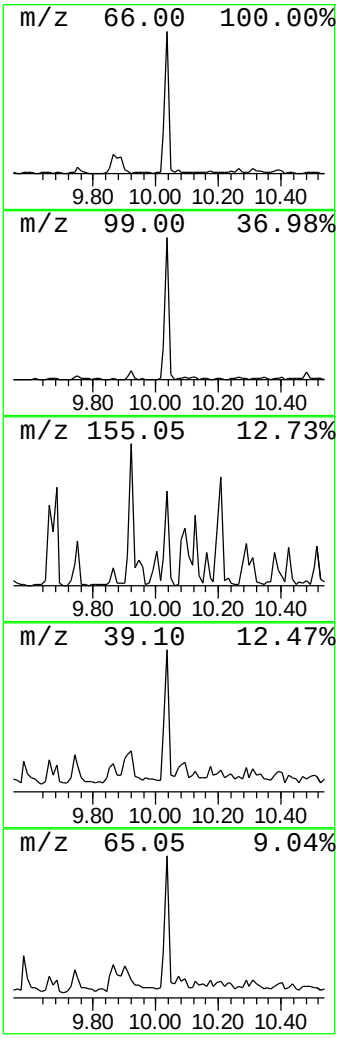
Peak Number 15 6-exo-Methylbicyclo[2.2.1]h... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	10.35 ng	776861	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-exo-Methylbicyclo[2.2.1]hept-2...	152	C9H12O2	004397-23-3	80
2	Bicyclo[2.2.1]hept-2-ene, 5-ethe...	120	C9H12	003048-64-4	72
3	3,4-Dihydrodicyclopentadiene	134	C10H14	1000113-53-5	72
4	Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	72
5	Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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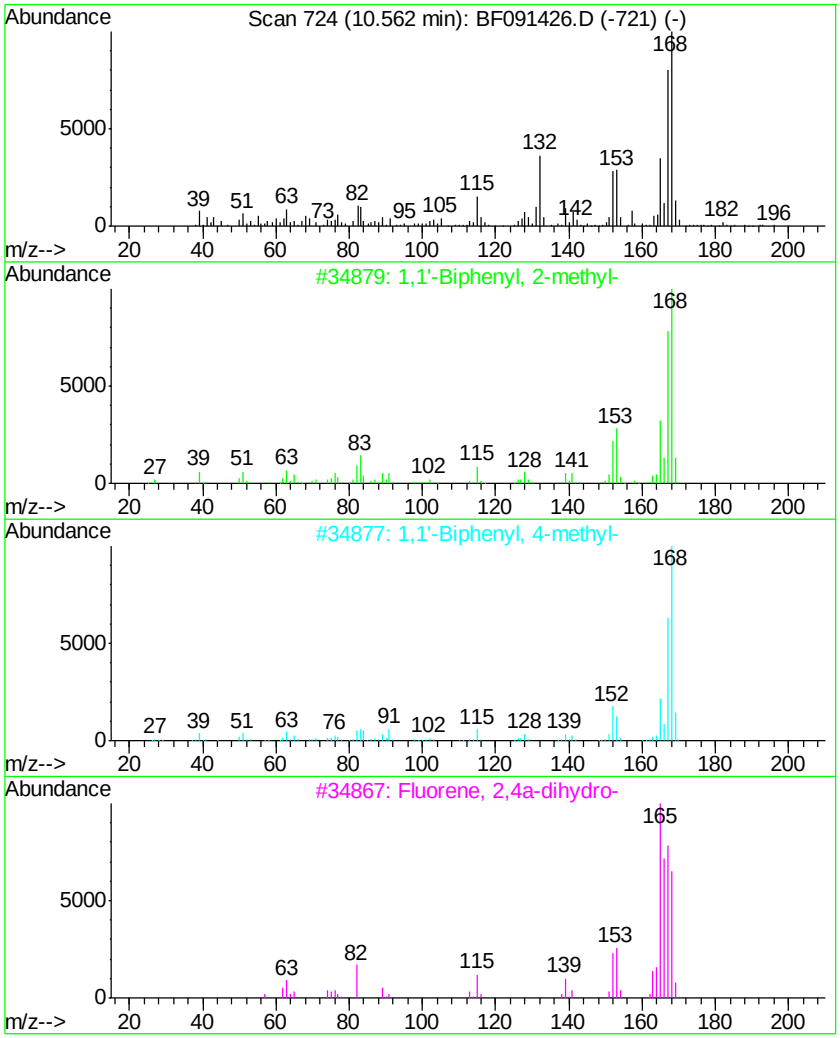
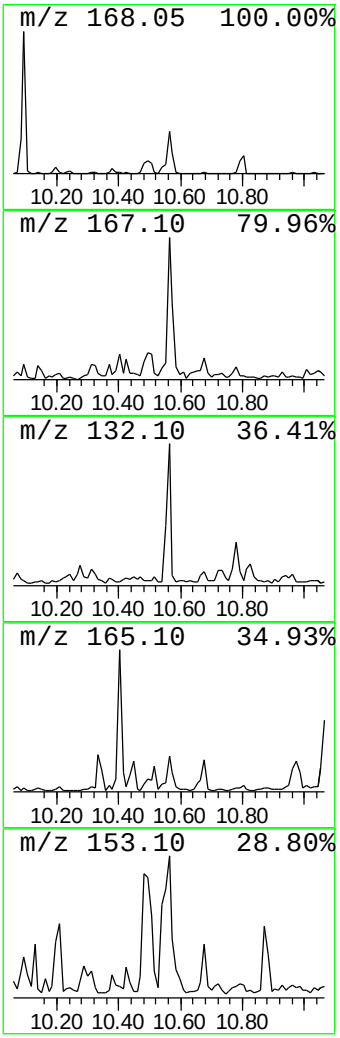
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	6.39 ng	479530	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	95
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	94
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	90
4	Diphenylmethane	168	C13H12	000101-81-5	90
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	89





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TIC Library : C:\DATABASE\NIST02.L
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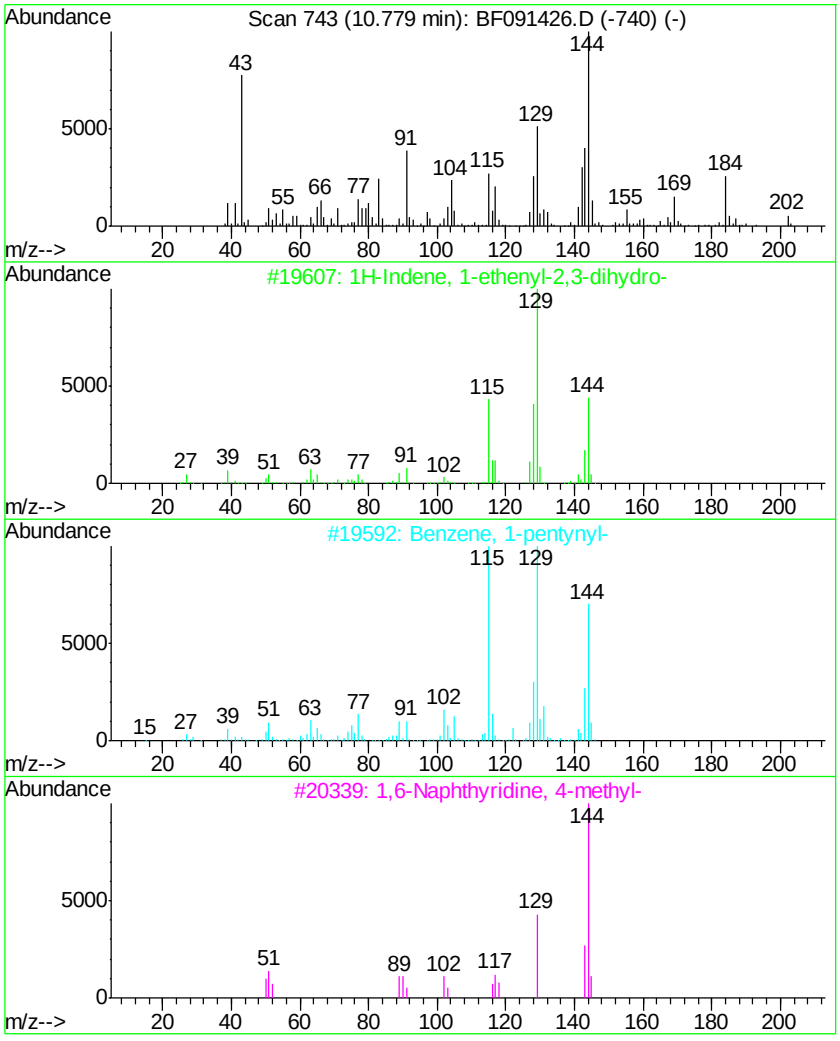
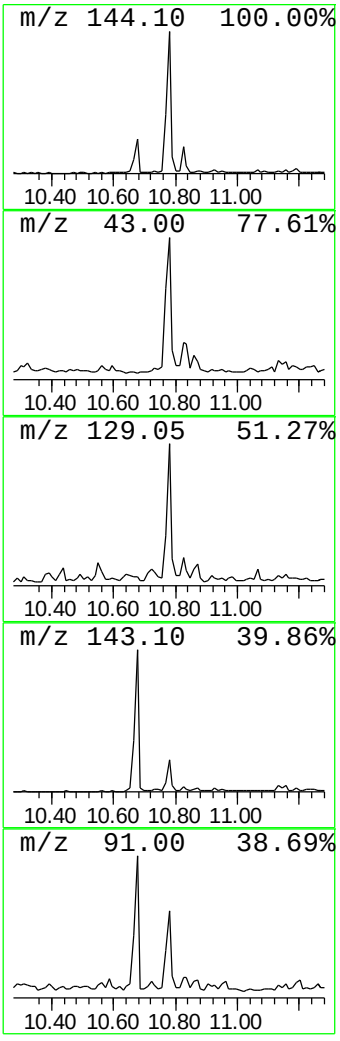
Peak Number 17 1H-Indene, 1-ethenyl-2,3-di... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	17.35 ng	927988	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	60
2	Benzene, 1-pentynyl-	144	C11H12	004250-81-1	58
3	1,6-Naphthyridine, 4-methyl-	144	C9H8N2	007675-30-1	50
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	49
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	46





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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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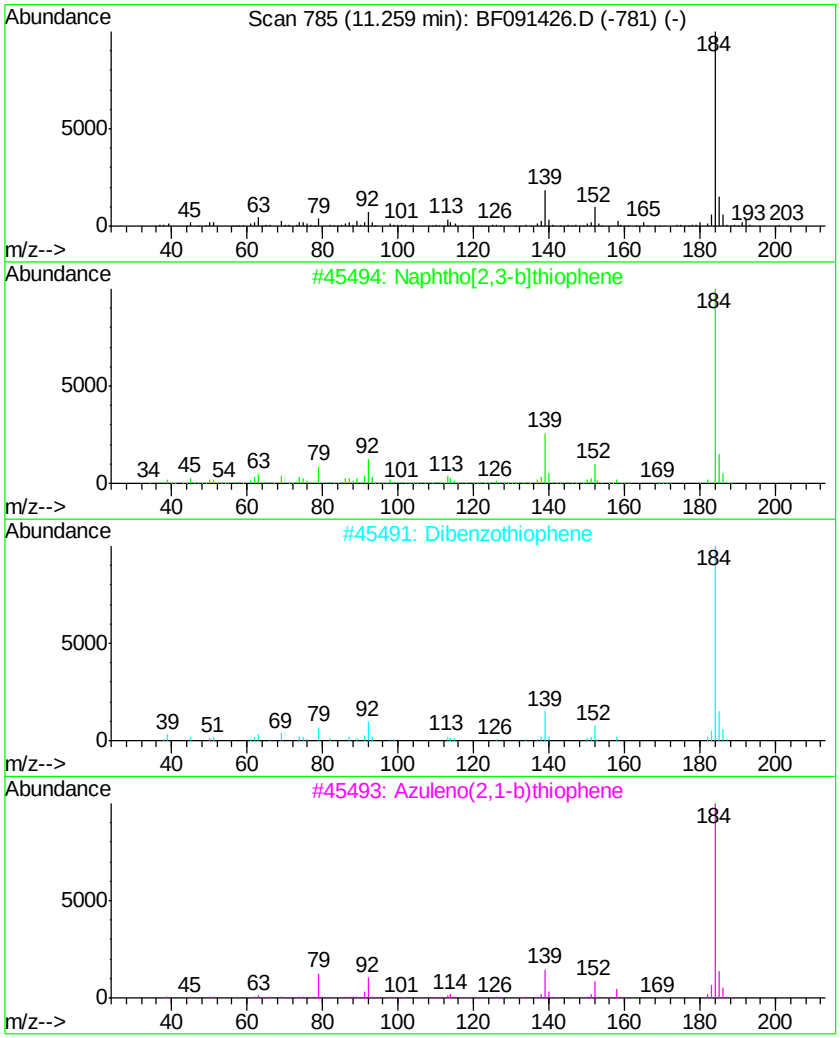
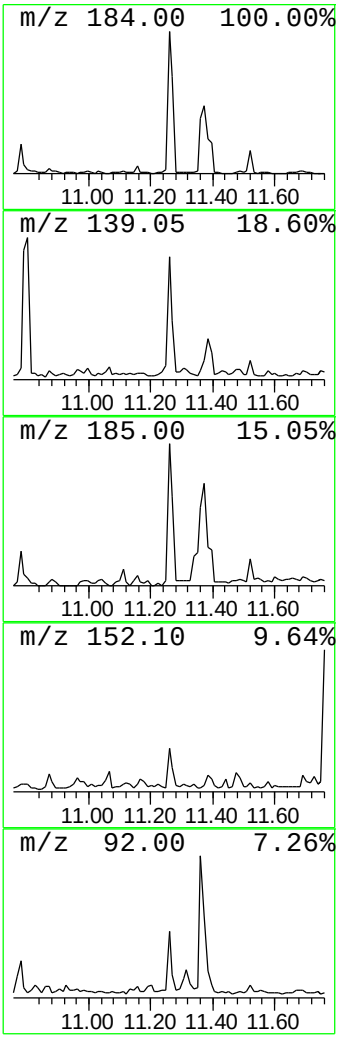
Peak Number 18 Naphtho[2,3-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	5.97 ng	319585	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	64
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	59





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Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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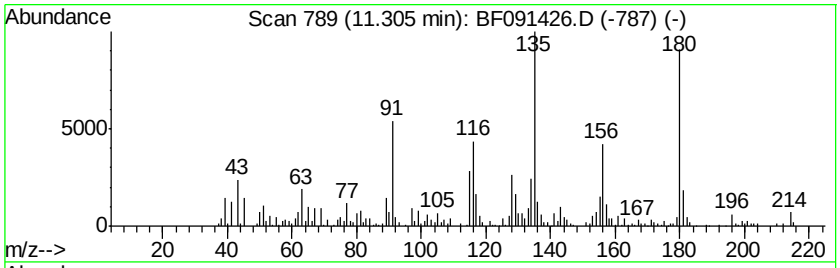
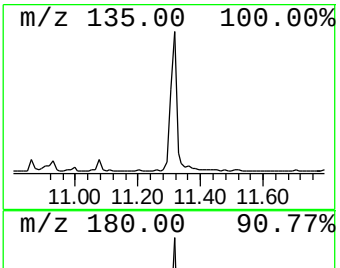
Peak Number 19 unknown11.30 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	9.36 ng	500810	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Methylenedioxyphenylacetic acid	180	C9H8O4	002861-28-1	46
2	Benzeneacetic acid, 4-methoxy-.a...	180	C9H8O4	007099-91-4	43
3	Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	43
4	4-Methoxy-3-methylphenylacetic acid	180	C10H12O3	004513-73-9	43
5	Thieno[3,2-c]pyridine	135	C7H5NS	000272-14-0	20





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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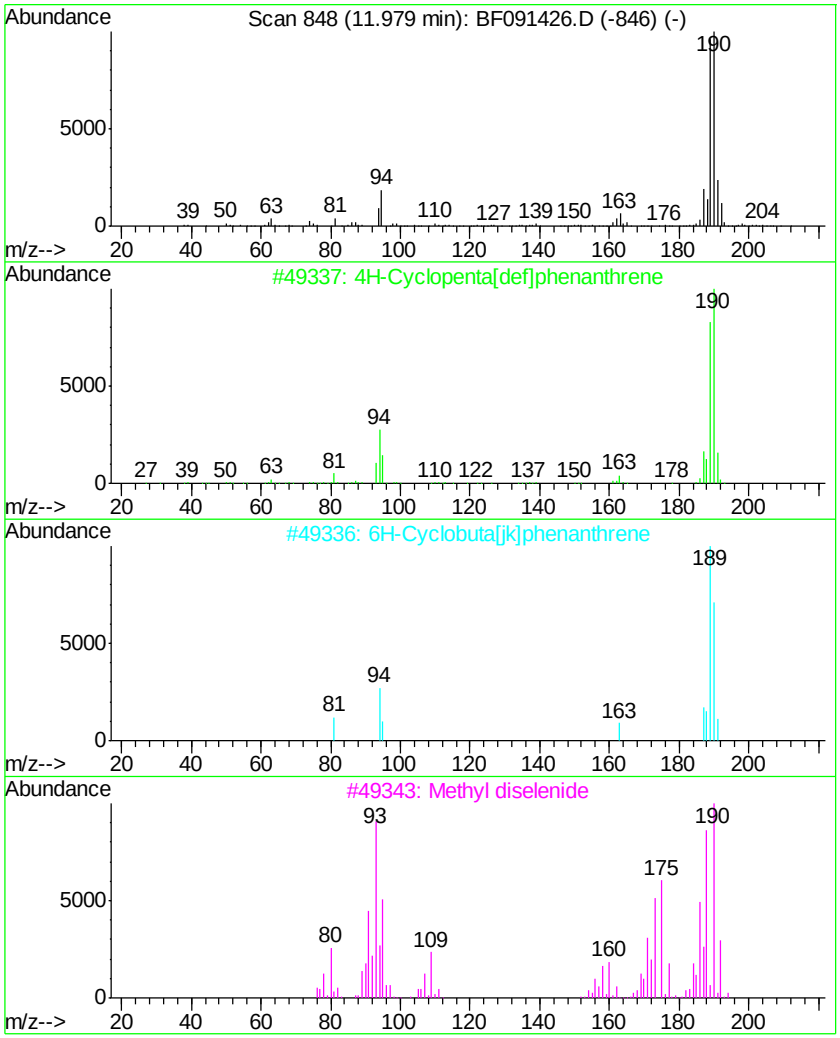
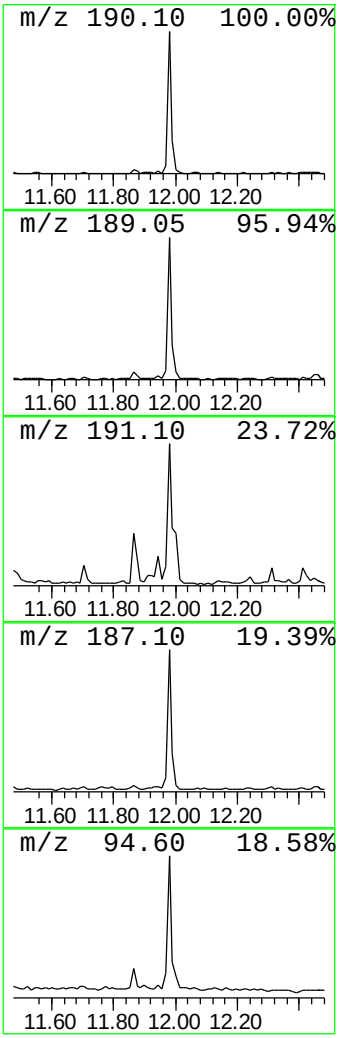
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	9.16 ng	489714	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120516\
Data File : BF091426.D
Acq On : 5 Dec 2016 19:05
Operator : UM/SJ
Sample : H5838-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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...	5.02	12.6	ng	466762	1	6.85	739745	20.0
Benzene, 1-ethyl-...	6.54	9.3	ng	342643	1	6.85	739745	20.0
unknown6.62	6.62	98.1	ng	3628770	1	6.85	739745	20.0
4,7-Methano-1H-in...	6.97	23.5	ng	869573	1	6.85	739745	20.0
1H-Indene, 1-methyl-	7.88	20.9	ng	1343450	2	8.14	1286190	20.0
Bicyclo(2.2.1)hep...	8.02	17.1	ng	1097870	2	8.14	1286190	20.0
Benzo[b]thiophene...	8.80	10.3	ng	661744	2	8.14	1286190	20.0
5-Dodecylbicyclo(...	8.92	17.2	ng	1105470	2	8.14	1286190	20.0
unknown8.98	8.98	10.2	ng	656741	2	8.14	1286190	20.0
5-Phenylbicyclo[2...	9.38	13.2	ng	990835	3	9.89	1501510	20.0
Naphthalene, 1-et...	9.42	7.6	ng	567822	3	9.89	1501510	20.0
Benzo[b]thiophene...	9.48	5.7	ng	424029	3	9.89	1501510	20.0
Naphthalene, 2,3-...	9.66	11.3	ng	846722	3	9.89	1501510	20.0
6-exo-Methylbicyc...	10.04	10.4	ng	776861	3	9.89	1501510	20.0
1,1'-Biphenyl, 2-...	10.56	6.4	ng	479530	3	9.89	1501510	20.0
1H-Indene, 1-ethe...	10.78	17.4	ng	927988	4	11.37	1069770	20.0
Naphtho[2,3-b]thi...	11.26	6.0	ng	319585	4	11.37	1069770	20.0
unknown11.30	11.30	9.4	ng	500810	4	11.37	1069770	20.0
4H-Cyclopenta[def...	11.98	9.2	ng	489714	4	11.37	1069770	20.0