

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
 Data File : BF091216.D
 Acq On : 17 Nov 2016 17:03
 Operator : UM/SJ
 Sample : H5686-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	4.739	266	267	277	rVB	245452	484416	5.84%	0.363%
2	5.196	306	307	317	rBV	1620095	2424845	29.22%	1.819%
3	5.756	352	356	359	rBV	519129	663383	7.99%	0.498%
4	6.064	381	383	385	rVV	1090645	1022083	12.31%	0.767%
5	6.122	387	388	394	rVB2	67904	120544	1.45%	0.090%
6	6.270	399	401	407	rBV	1315059	1684419	20.30%	1.263%
7	6.384	409	411	414	rBV	3689079	4010498	48.32%	3.008%
8	6.567	424	427	430	rBV2	361687	614422	7.40%	0.461%
9	6.613	430	431	436	rVV2	801536	1111752	13.40%	0.834%
10	6.773	442	445	450	rBV2	3891217	7163277	86.31%	5.372%
11	6.876	452	454	458	rVB	1064617	1010553	12.18%	0.758%
12	6.945	458	460	464	rBV2	613347	1059566	12.77%	0.795%
13	7.093	470	473	476	rBV	105373	118386	1.43%	0.089%
14	7.162	476	479	480	rBV	2048331	2801494	33.75%	2.101%
15	7.196	480	482	486	rVV	4258337	5056140	60.92%	3.792%
16	7.276	486	489	491	rVB	284985	294452	3.55%	0.221%
17	7.310	491	492	494	rVB	206282	222894	2.69%	0.167%
18	7.402	497	500	502	rBV	2200049	2223829	26.79%	1.668%
19	7.470	504	506	508	rVB2	93372	145179	1.75%	0.109%
20	7.516	508	510	512	rBV	229568	361519	4.36%	0.271%
21	7.585	512	516	519	rVB3	1507663	2466195	29.71%	1.850%
22	7.653	519	522	524	rBV	4508786	5468350	65.89%	4.101%
23	7.687	524	525	527	rVV	377746	350555	4.22%	0.263%
24	7.722	527	528	532	rVB3	213678	468726	5.65%	0.352%
25	7.790	532	534	536	rBV	336880	364516	4.39%	0.273%
26	7.905	538	544	545	rBV	2965308	4316442	52.01%	3.237%
27	7.927	545	546	548	rVV2	1128059	1809730	21.80%	1.357%
28	7.962	548	549	550	rVV	1370112	1042490	12.56%	0.782%
29	8.007	550	553	555	rVB2	497310	684315	8.25%	0.513%
30	8.042	555	556	557	rVB	169220	116000	1.40%	0.087%
31	8.065	557	558	560	rBV	228535	291384	3.51%	0.219%
32	8.110	560	562	564	rVV	1214166	1277454	15.39%	0.958%
33	8.156	564	566	567	rVV	965101	942269	11.35%	0.707%
34	8.190	567	569	572	rVV3	1062784	1369596	16.50%	1.027%

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35	8.248	572	574	575 rVV	118416	169990	2.05%	0.127%
36	8.293	576	578	581 rVB	972077	1308567	15.77%	0.981%
37	8.385	581	586	587 rBV2	1145464	1683662	20.29%	1.263%
38	8.419	587	589	592 rVV	1153315	1620200	19.52%	1.215%
39	8.476	592	594	595 rVV2	579585	675641	8.14%	0.507%
40	8.499	595	596	598 rVV	914657	984115	11.86%	0.738%
41	8.568	598	602	604 rVV3	1839480	2925672	35.25%	2.194%
42	8.625	604	607	609 rVV	2200454	2406840	29.00%	1.805%
43	8.670	610	611	612 rVV	160791	140118	1.69%	0.105%
44	8.728	612	616	618 rVV	5837646	8299647	100.00%	6.224%
45	8.819	621	624	626 rVV3	352853	752393	9.07%	0.564%
46	8.853	626	627	632 rVV3	409746	887437	10.69%	0.666%
47	8.922	632	633	634 rVV	268835	252138	3.04%	0.189%
48	8.945	634	635	637 rVV2	418906	620013	7.47%	0.465%
49	8.990	637	639	641 rVV	5177489	5613108	67.63%	4.210%
50	9.025	641	642	645 rVV2	137143	221441	2.67%	0.166%
51	9.093	646	648	649 rVV2	151483	248370	2.99%	0.186%
52	9.139	649	652	653 rVV	874039	1094648	13.19%	0.821%
53	9.196	653	657	659 rVB2	989336	2014842	24.28%	1.511%
54	9.253	659	662	664 rBV	1639197	2483496	29.92%	1.863%
55	9.322	664	668	673 rVV3	2733545	7330338	88.32%	5.497%
56	9.402	673	675	676 rVV2	347066	490151	5.91%	0.368%
57	9.436	676	678	683 rVB2	1578599	2896050	34.89%	2.172%
58	9.516	683	685	689 rBV	1156555	1752443	21.11%	1.314%
59	9.665	695	698	699 rBV	1510580	2162949	26.06%	1.622%
60	9.688	699	700	705 rVB2	722026	1262269	15.21%	0.947%
61	9.768	705	707	709 rBV	682566	1057767	12.74%	0.793%
62	9.813	709	711	713 rBV3	505068	511863	6.17%	0.384%
63	9.871	713	716	717 rVB	837285	1117789	13.47%	0.838%
64	9.905	717	719	721 rVB	963345	792215	9.55%	0.594%
65	9.973	723	725	727 rBV	714525	1085665	13.08%	0.814%
66	10.065	731	733	734 rBV	484577	700871	8.44%	0.526%
67	10.156	739	741	743 rVV2	284226	330136	3.98%	0.248%
68	10.202	743	745	749 rVV2	1170095	1480015	17.83%	1.110%
69	10.271	749	751	754 rVV	1587956	2000115	24.10%	1.500%
70	10.328	754	756	758 rVV3	329433	586823	7.07%	0.440%
71	10.362	758	759	761 rVV	252557	287453	3.46%	0.216%

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72	10.408	761	763	764	rVV	264974	254491	3.07%	0.191%
73	10.453	764	767	769	rVV	3412771	3772709	45.46%	2.829%
74	10.499	769	771	773	rVV2	176443	280218	3.38%	0.210%
75	10.591	776	779	782	rVB2	456226	637924	7.69%	0.478%
76	10.648	782	784	785	rBV2	162880	158025	1.90%	0.119%
77	10.751	790	793	794	rBV2	254058	380690	4.59%	0.286%
78	10.785	794	796	799	rVB	547580	652159	7.86%	0.489%
79	10.865	802	803	804	rBV	129194	143330	1.73%	0.107%
80	10.899	804	806	808	rVB3	200776	287470	3.46%	0.216%
81	10.945	808	810	813	rVB2	83795	119641	1.44%	0.090%
82	11.002	813	815	816	rBV2	105448	163017	1.96%	0.122%
83	11.059	816	820	822	rVB2	217858	507641	6.12%	0.381%
84	11.139	825	827	828	rBV	1947498	1721472	20.74%	1.291%
85	11.254	836	837	839	rBV2	154788	186960	2.25%	0.140%
86	11.402	849	850	853	rVB	170434	181329	2.18%	0.136%
87	11.471	853	856	857	rVV2	123884	162790	1.96%	0.122%
88	11.505	857	859	861	rVV2	81339	147333	1.78%	0.110%
89	11.642	869	871	872	rVV	282603	267495	3.22%	0.201%
90	11.676	872	874	876	rVV	388695	555350	6.69%	0.416%
91	11.745	879	880	882	rVV	159933	232474	2.80%	0.174%
92	11.825	886	887	889	rBV2	65855	122881	1.48%	0.092%
93	11.916	892	895	897	rVB2	146172	216696	2.61%	0.163%
94	12.122	909	913	914	rBV4	71121	183207	2.21%	0.137%
95	12.191	917	919	921	rVV	214237	282885	3.41%	0.212%
96	12.282	925	927	930	rVB3	69029	117899	1.42%	0.088%
97	12.614	954	956	960	rVB3	54908	120783	1.46%	0.091%
98	12.728	963	966	969	rBV	4947592	5350932	64.47%	4.013%
99	13.768	1055	1057	1060	rBV	1248583	1299420	15.66%	0.975%
100	15.140	1175	1177	1187	rVB	836587	1024782	12.35%	0.769%

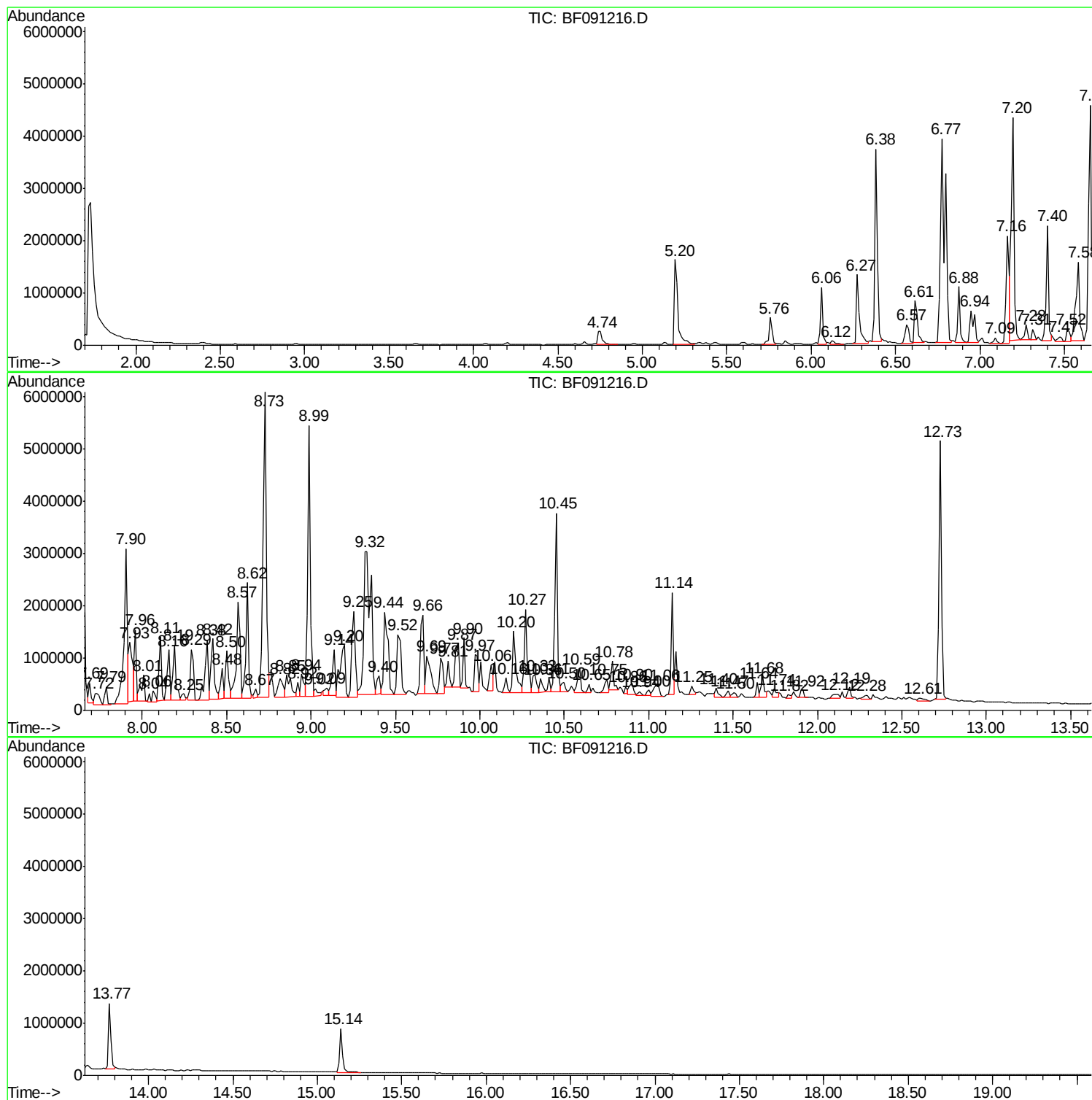
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TIC Library : C:\DATABASE\NIST02.L
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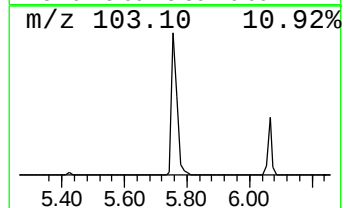
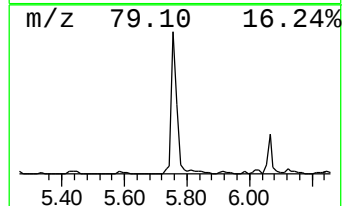
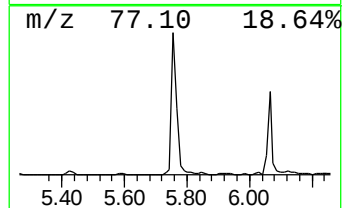
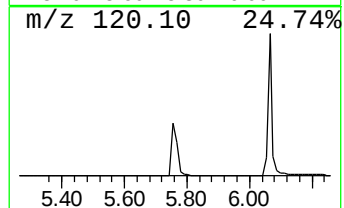
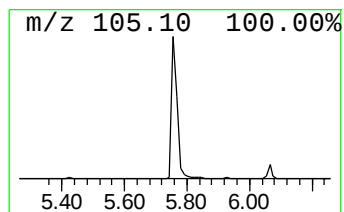
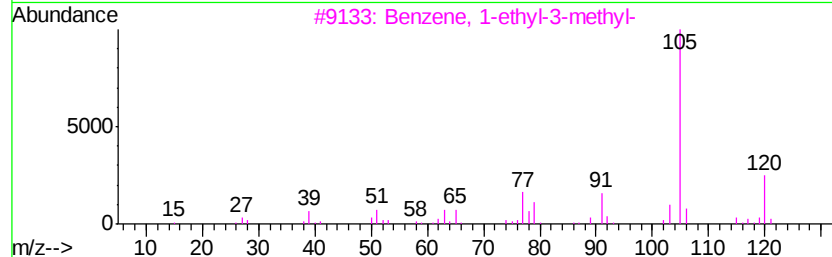
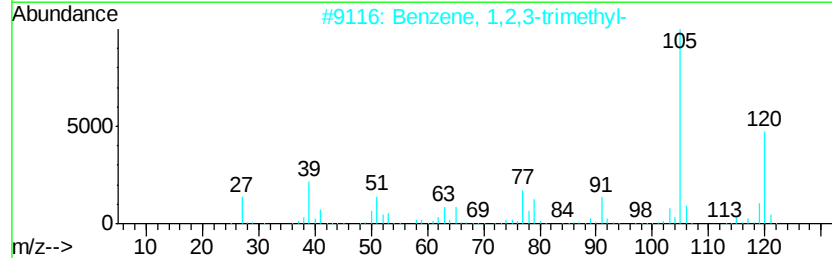
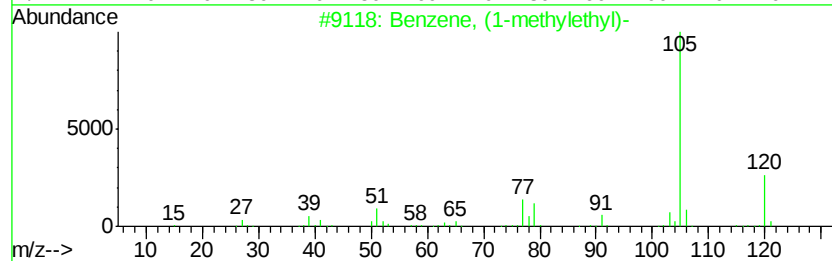
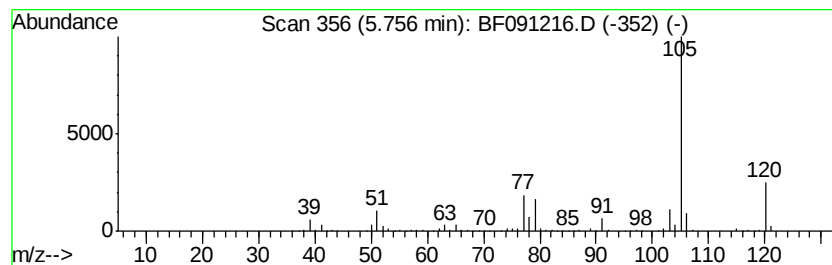
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, (1-methylethyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	11.93 ng	663383	1,4-Dichlorobenzene-d4	6.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80



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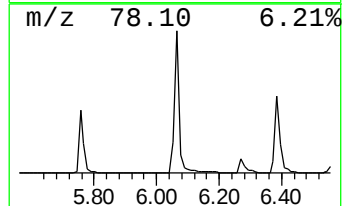
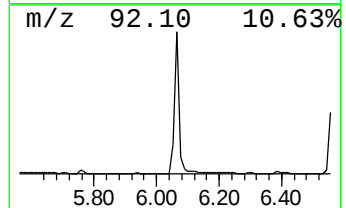
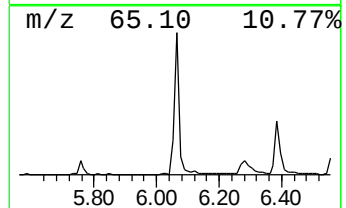
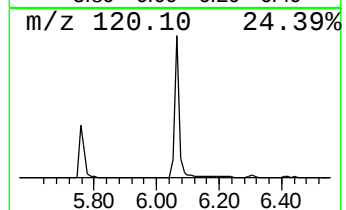
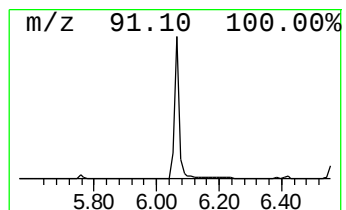
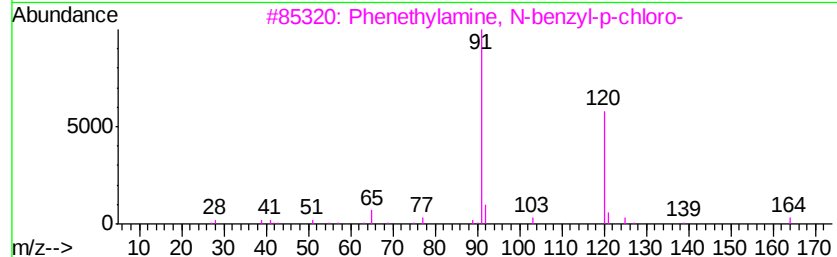
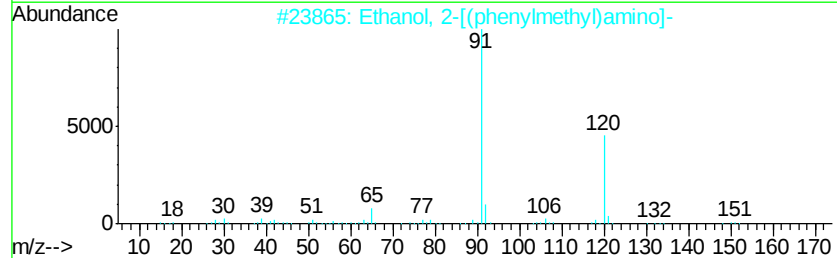
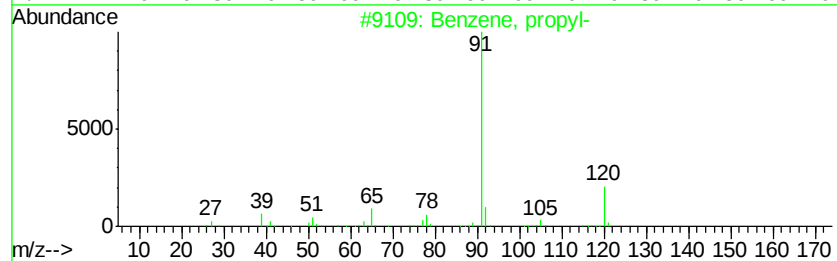
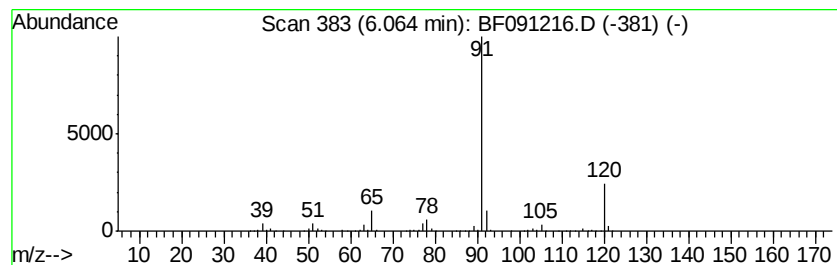
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	18.39 ng	1022080	1,4-Dichlorobenzene-d4	6.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	91
2		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
3		Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4		1,2-Ethanediamine, N,N'-bis(phen...)	240	C16H20N2	000140-28-3	64
5		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	59



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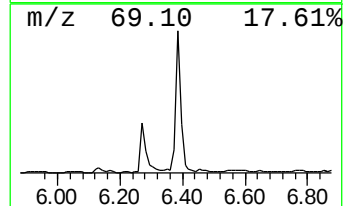
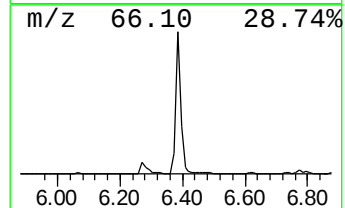
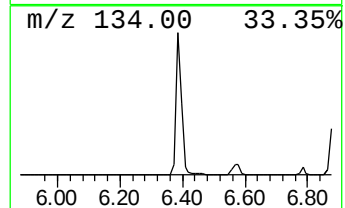
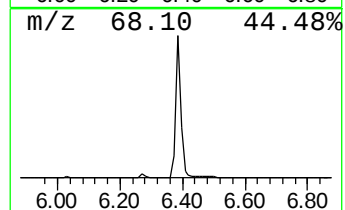
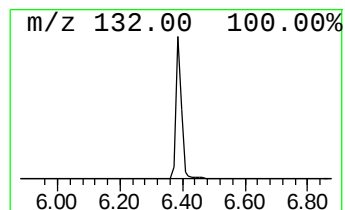
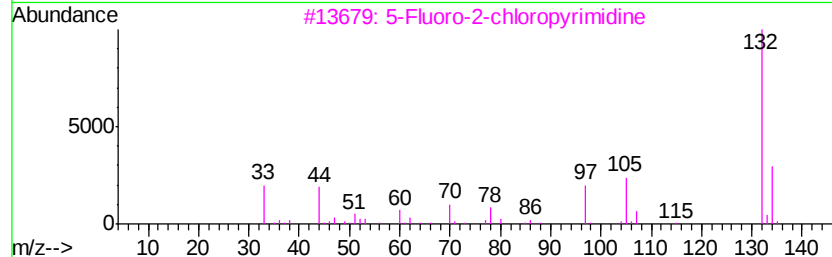
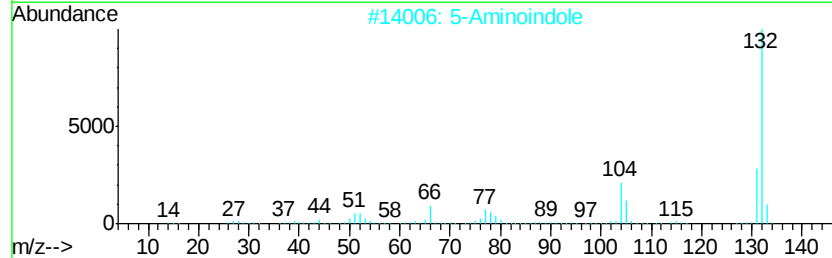
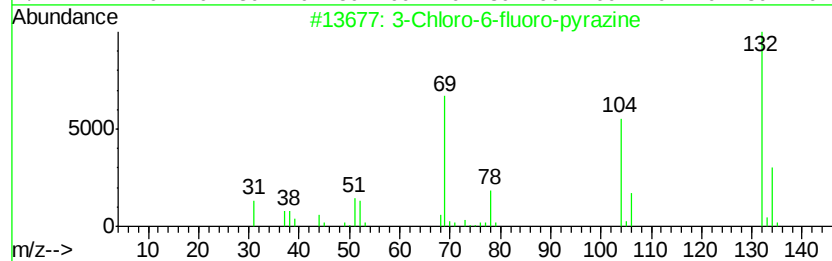
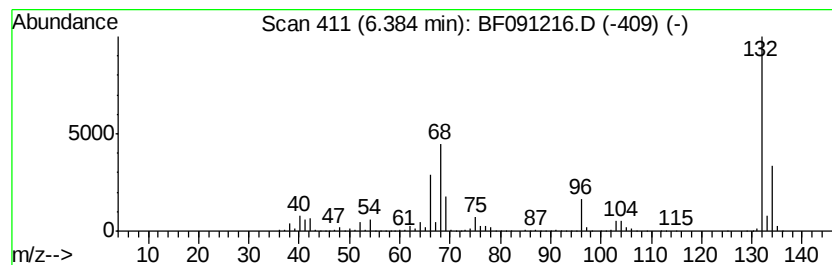
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	72.15 ng	4010500	1,4-Dichlorobenzene-d4	6.61

Hit#	of	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-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	(E)-3	Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

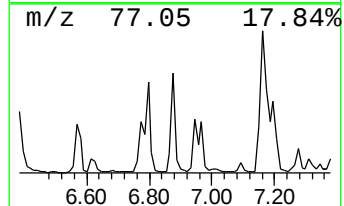
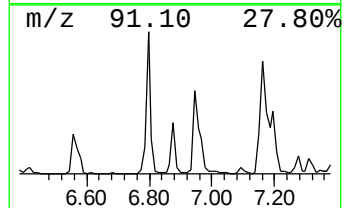
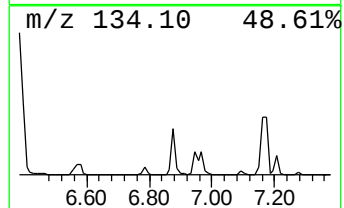
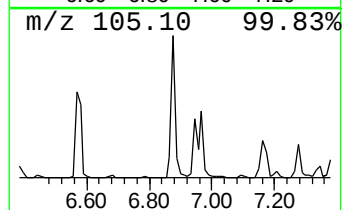
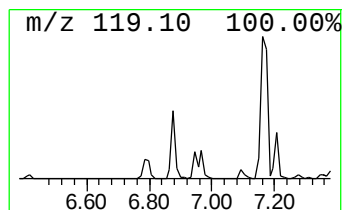
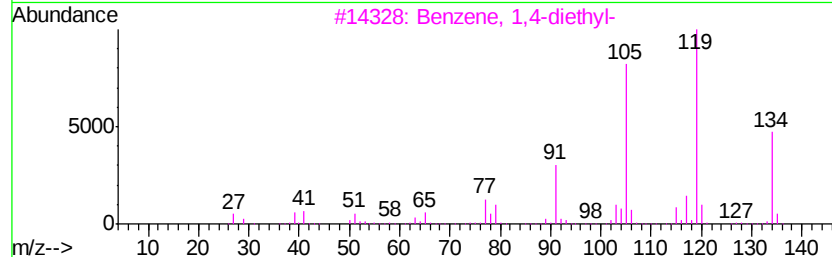
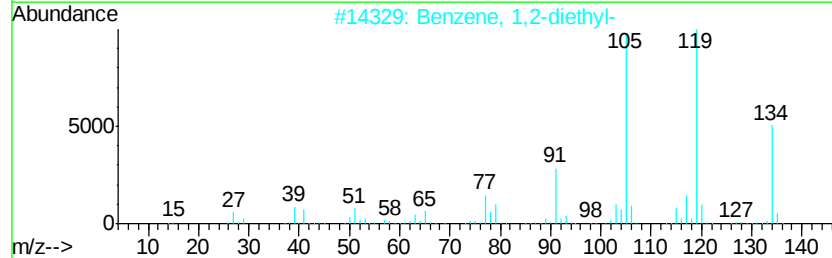
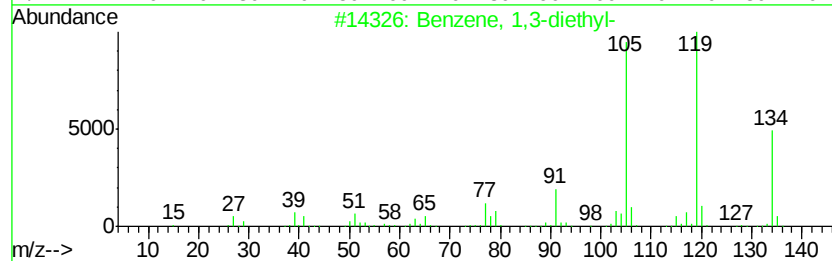
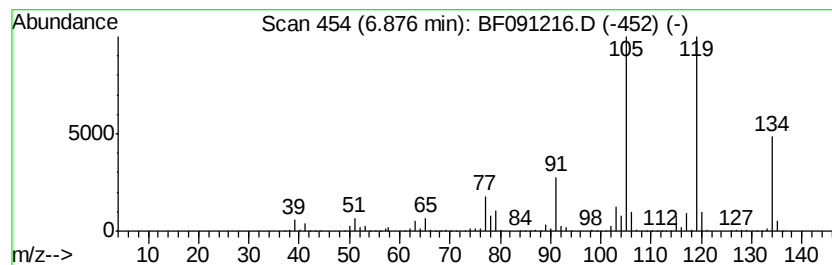
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	18.18 ng	1010550	1,4-Dichlorobenzene-d4	6.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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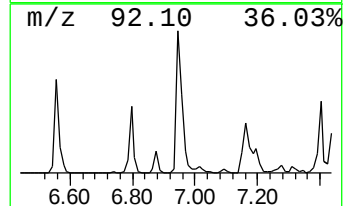
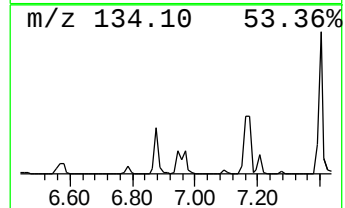
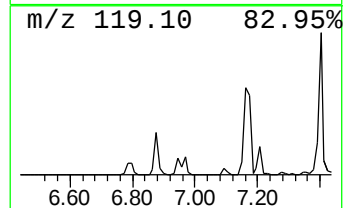
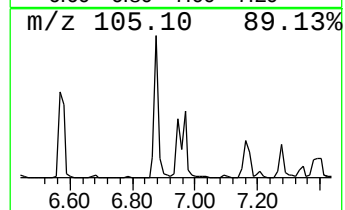
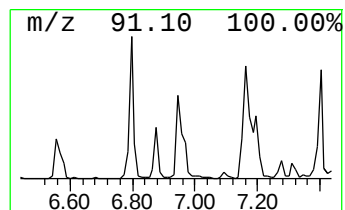
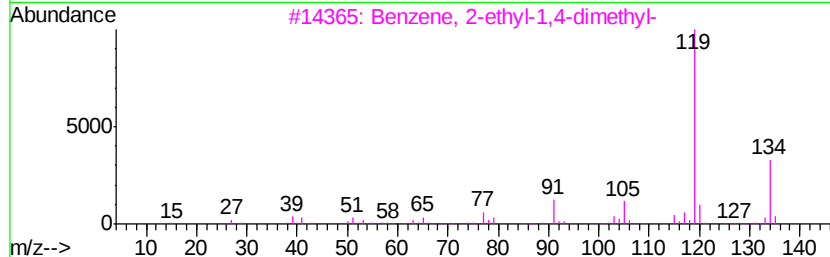
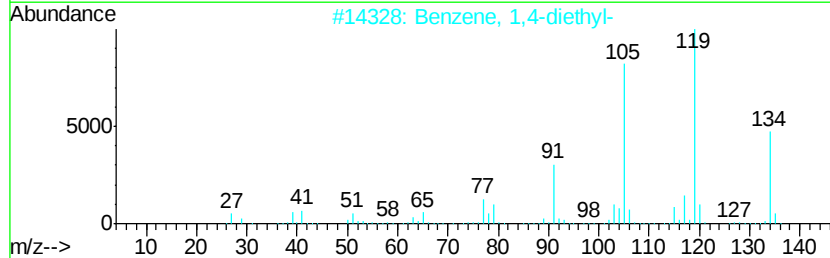
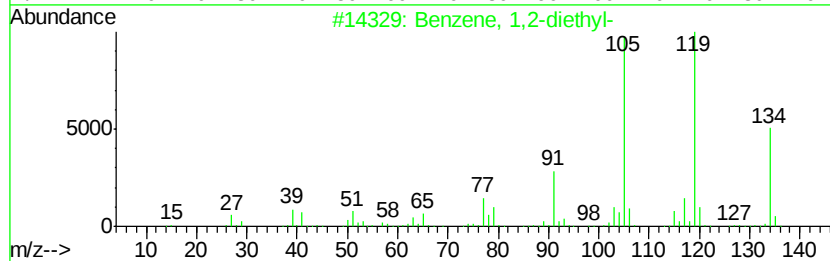
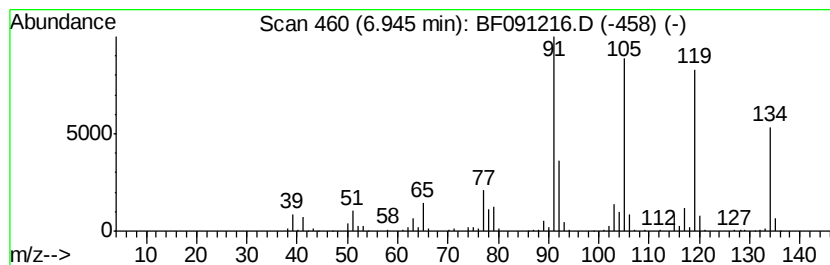
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	19.06 ng	1059570	1,4-Dichlorobenzene-d4	6.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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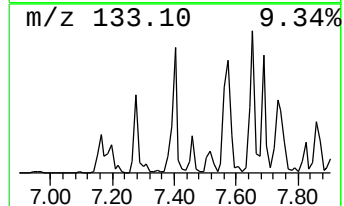
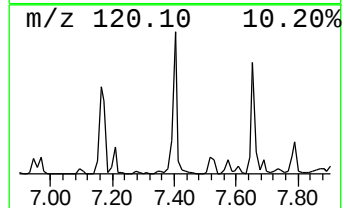
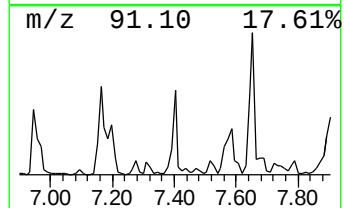
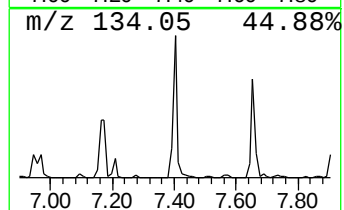
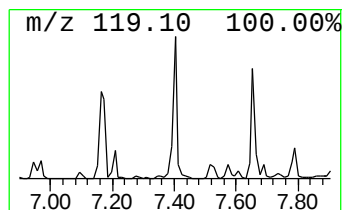
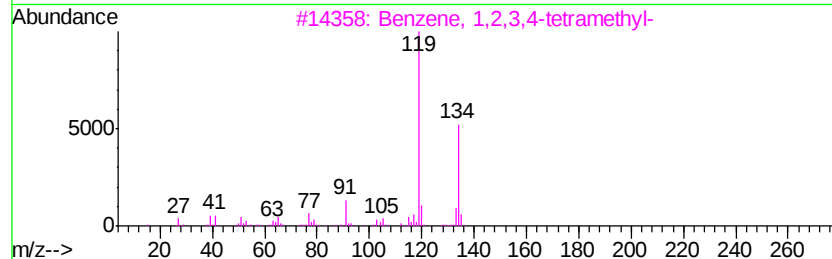
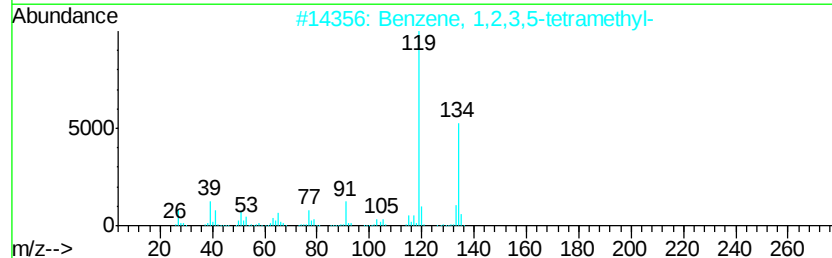
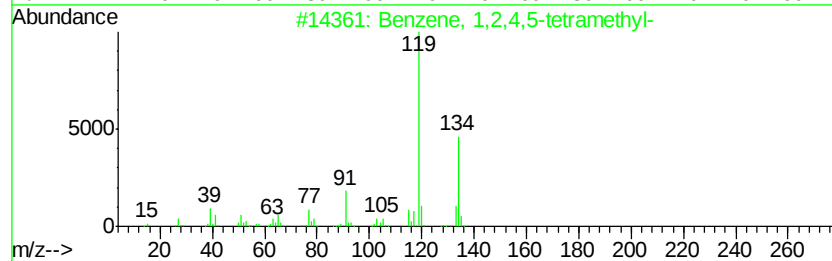
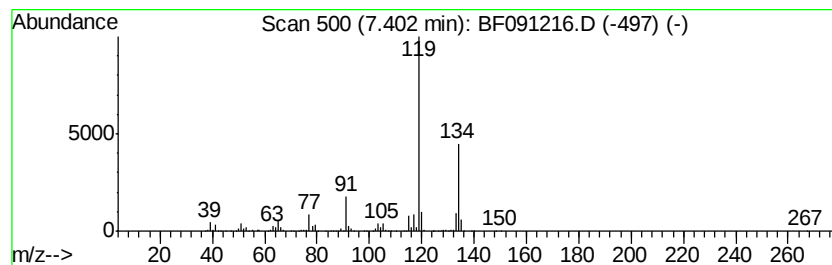
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	10.30 ng	2223830	Napthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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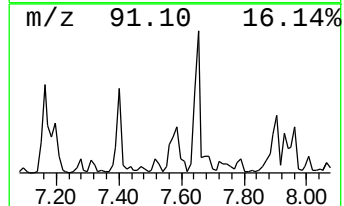
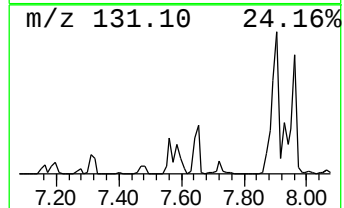
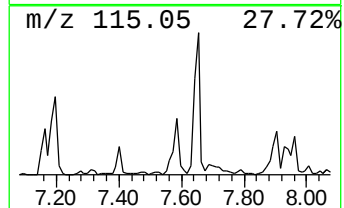
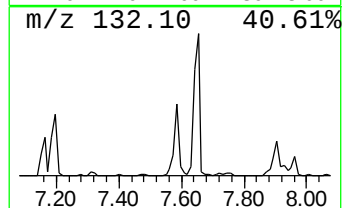
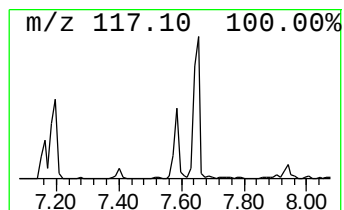
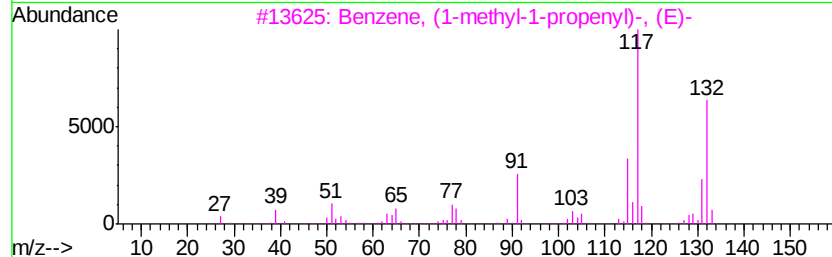
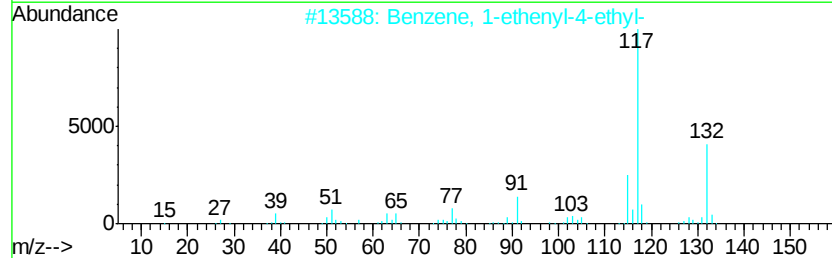
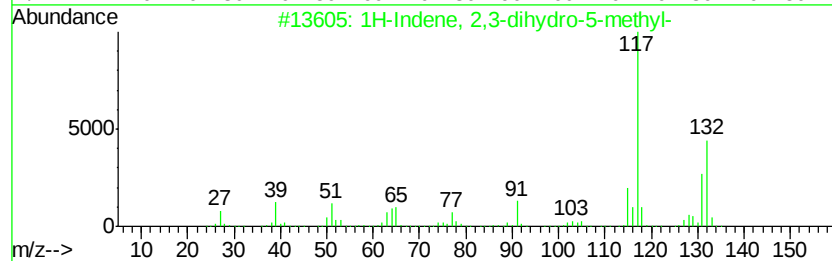
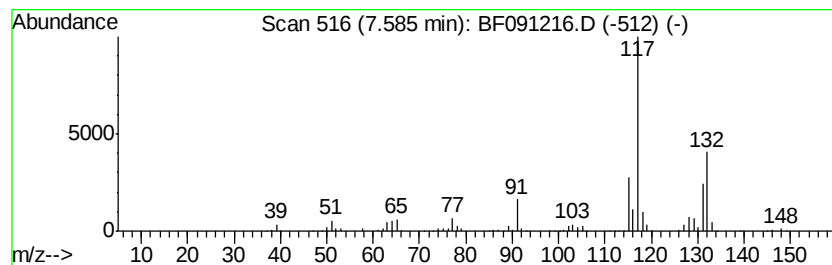
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	11.43 ng	2466200	Naphthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
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ClientSampleId :
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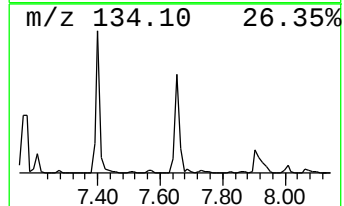
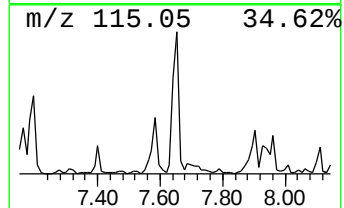
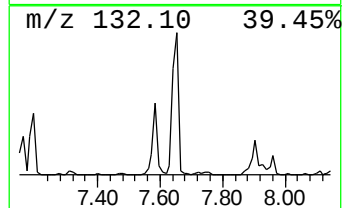
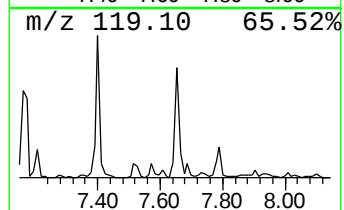
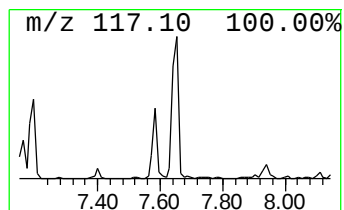
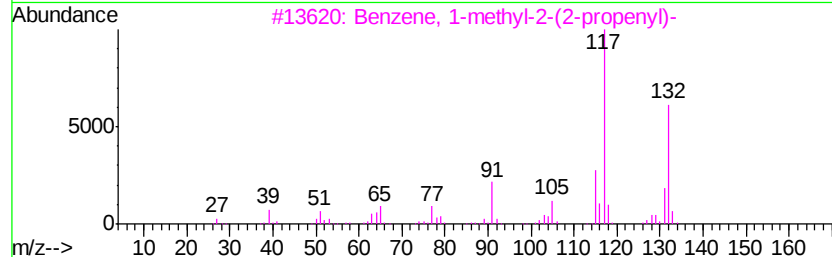
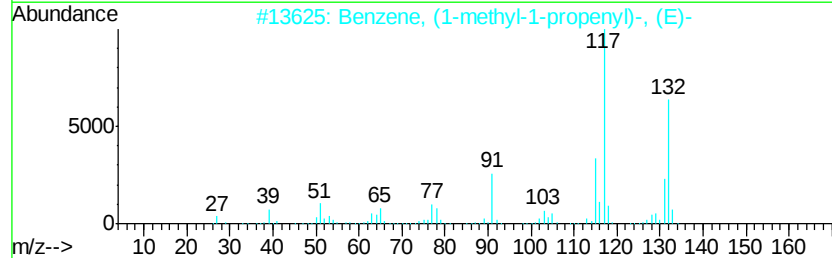
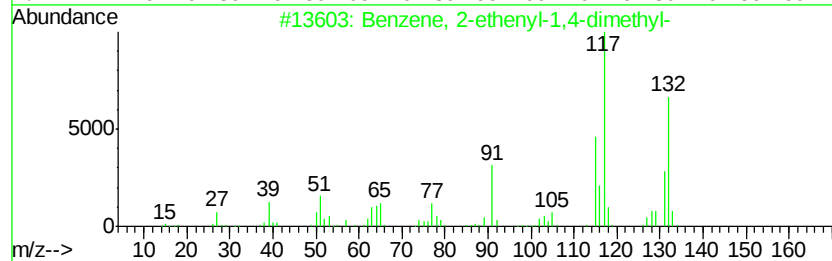
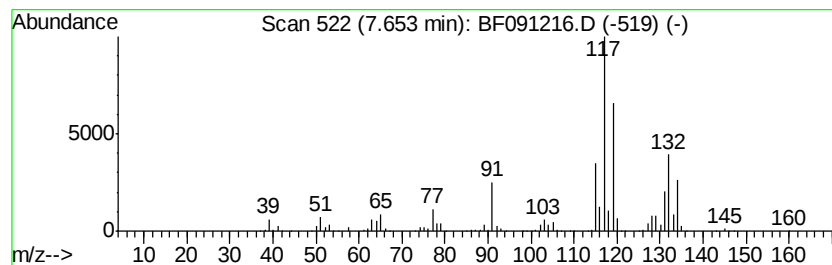
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	25.34 ng	5468350	Naphthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
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ClientSampled :
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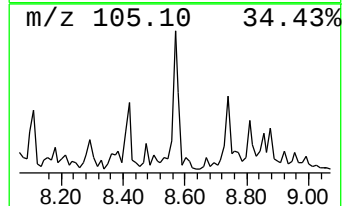
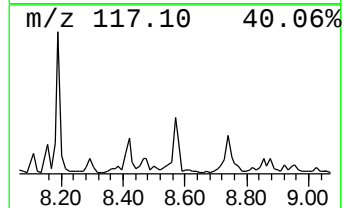
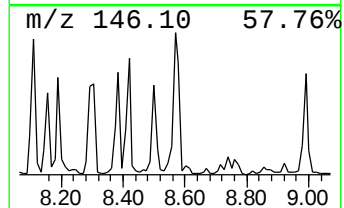
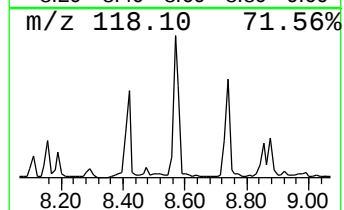
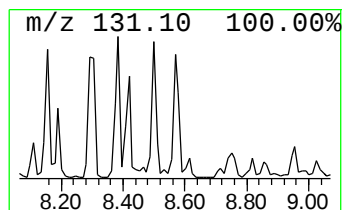
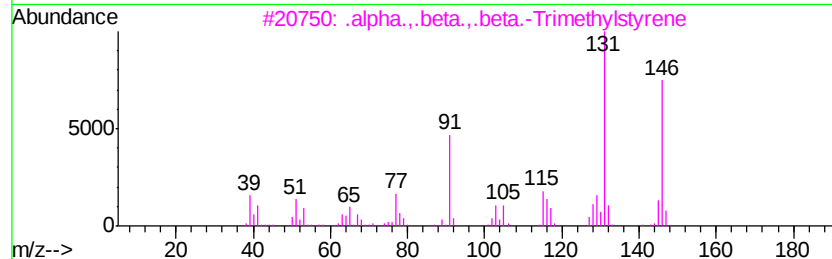
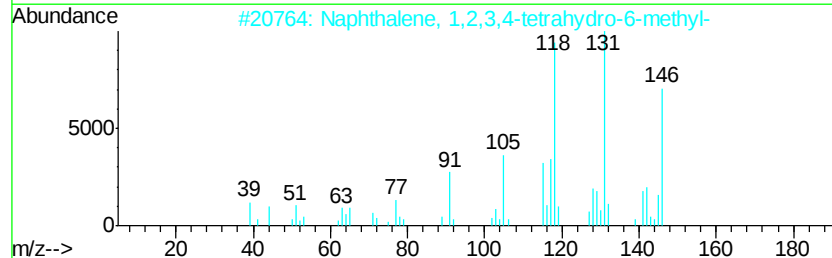
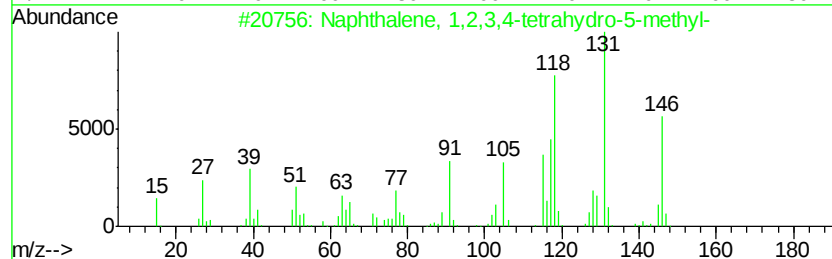
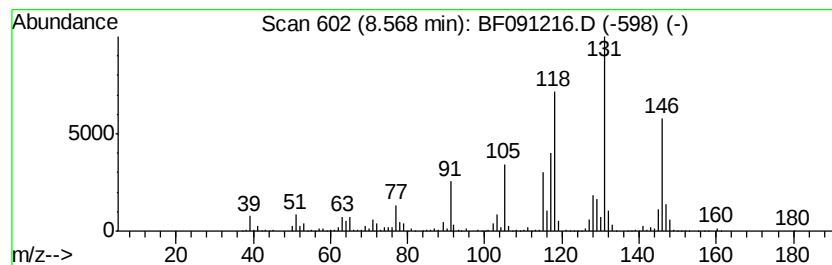
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	13.56 ng	2925670	Naphthalene-d8	7.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3		.alpha...beta...beta.-Trimethyls...	146	C11H14	000769-57-3	64
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	62
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
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Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-1

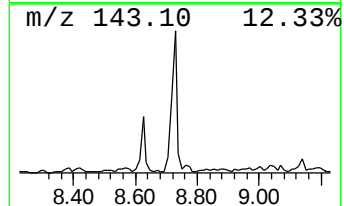
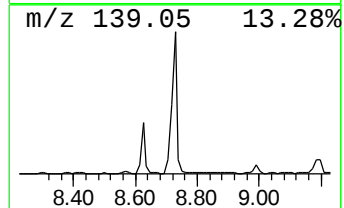
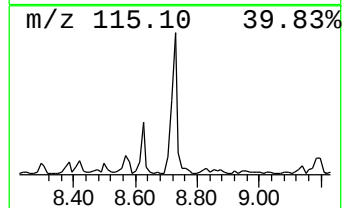
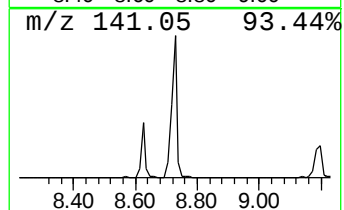
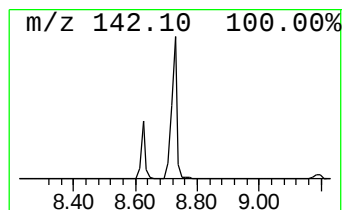
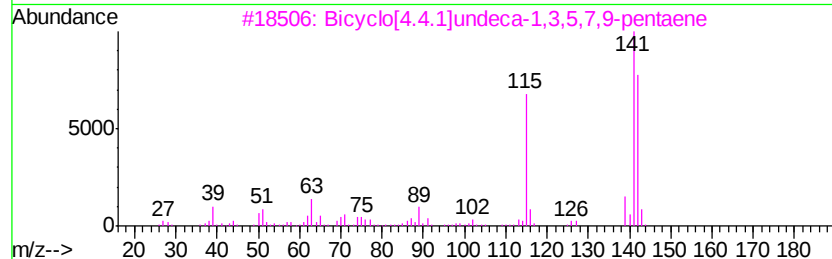
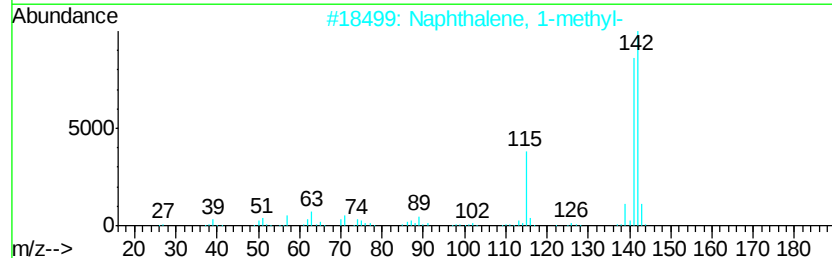
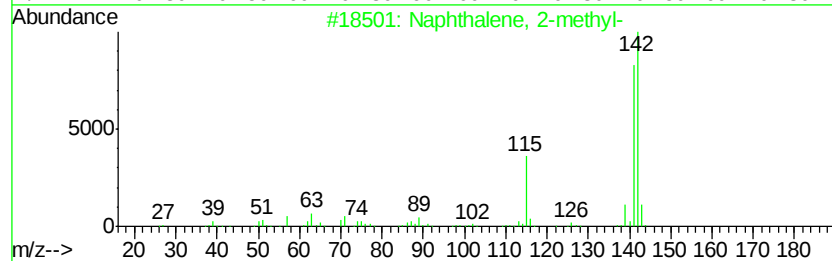
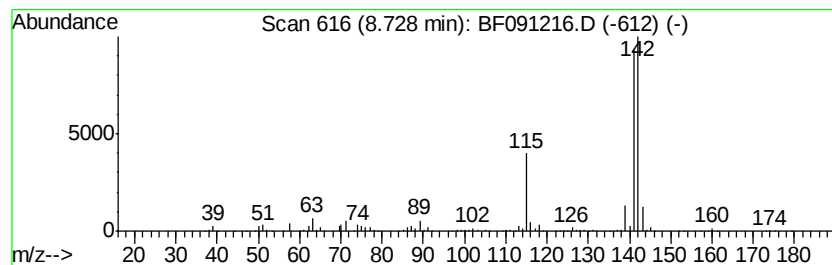
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	38.46 ng	8299650	Naphthalene-d8	7.90

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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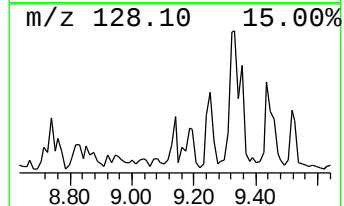
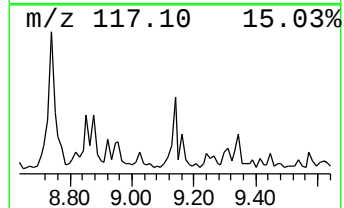
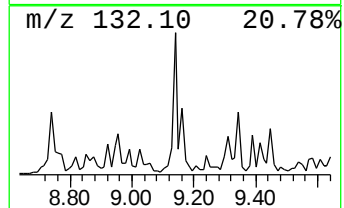
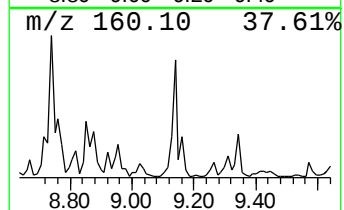
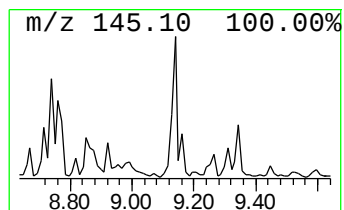
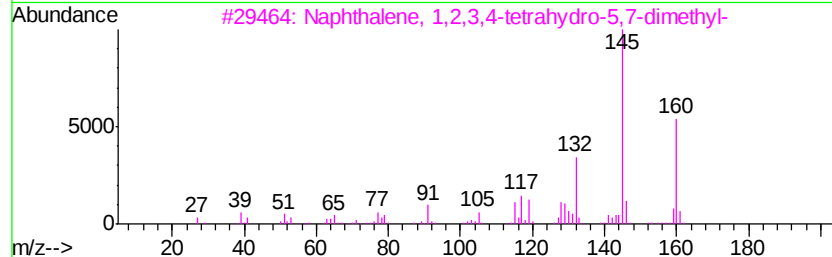
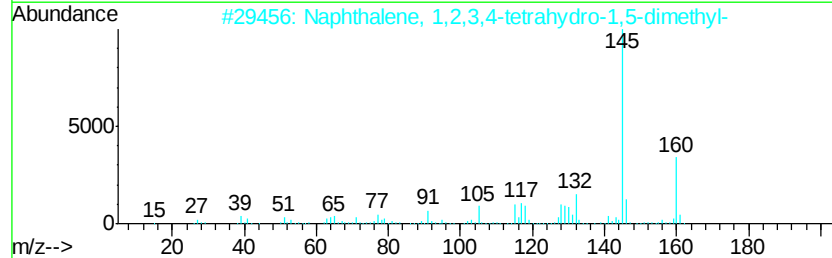
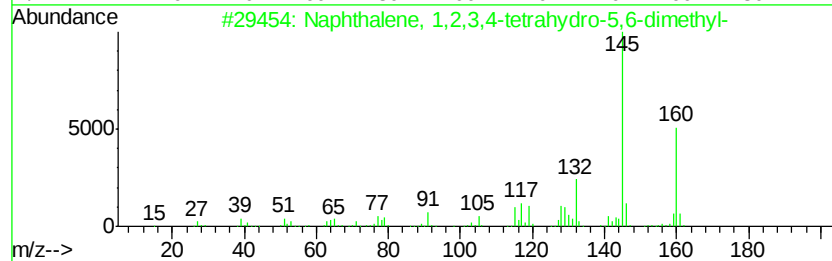
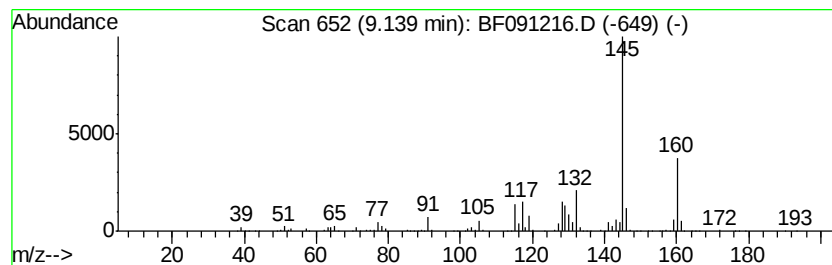
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	10.12 ng	1094650	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	94
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	93
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	92
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
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Sample : H5686-04
Misc :
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Instrument :
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ClientSampleId :
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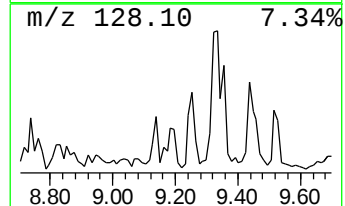
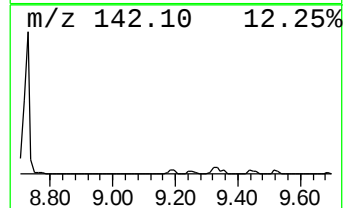
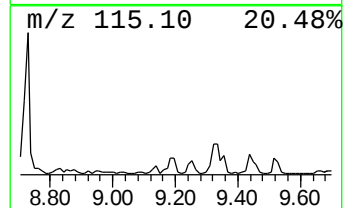
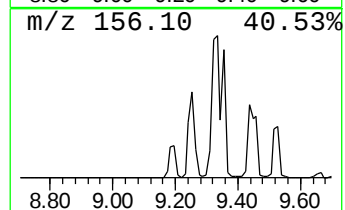
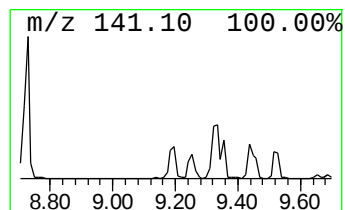
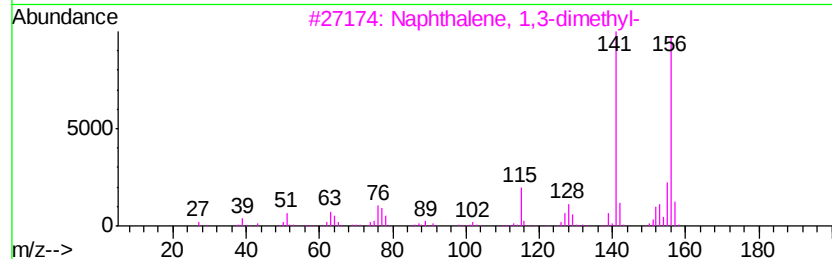
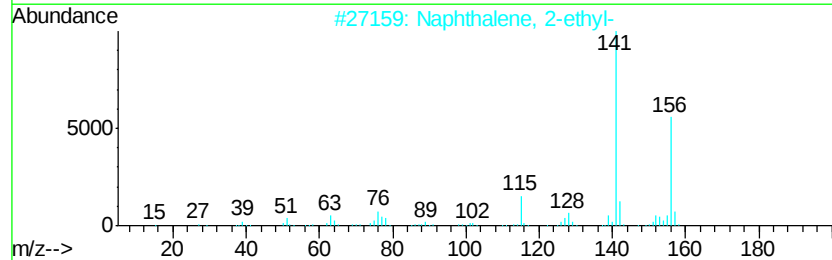
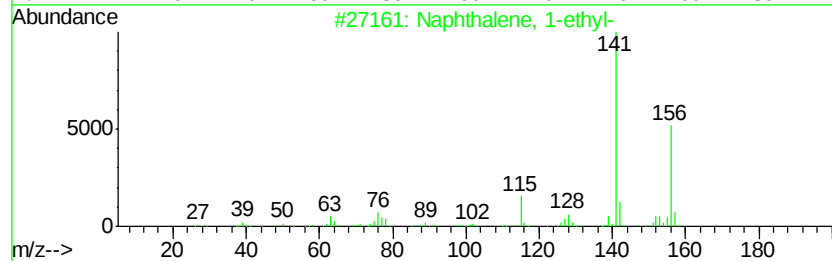
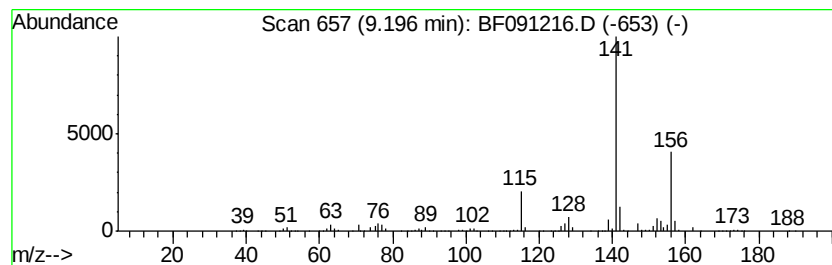
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	18.63 ng	2014840	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
4		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5		3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
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ClientSampleId :
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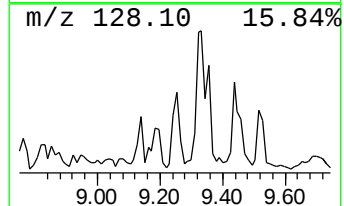
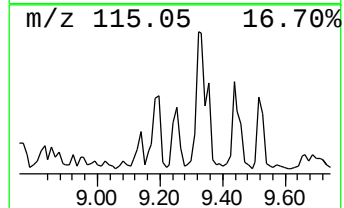
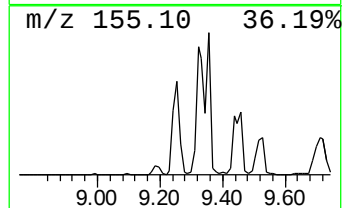
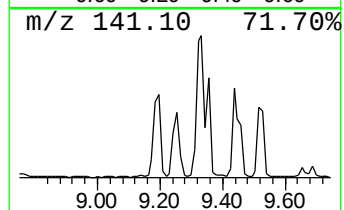
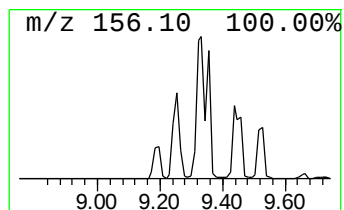
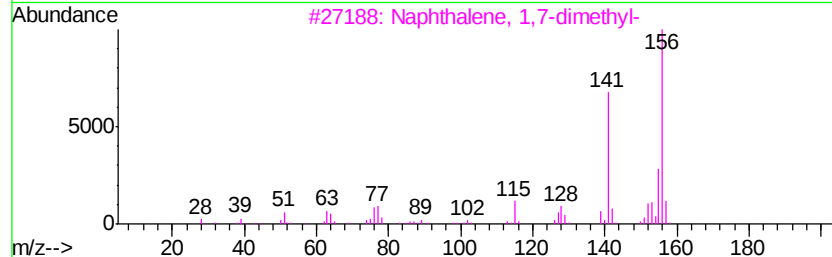
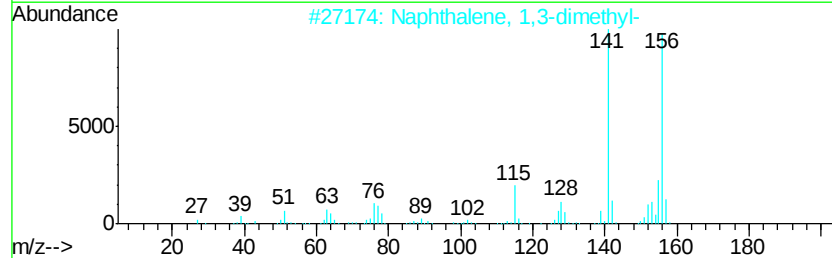
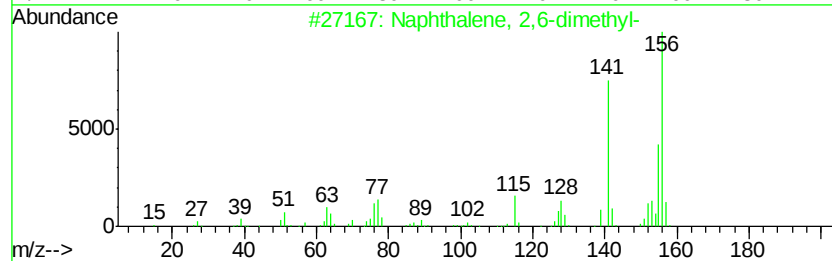
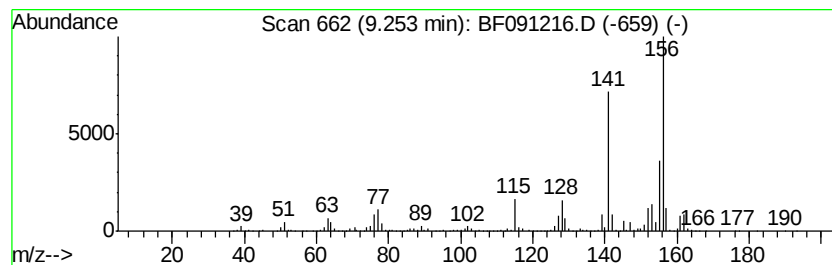
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	22.96 ng	2483500	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
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Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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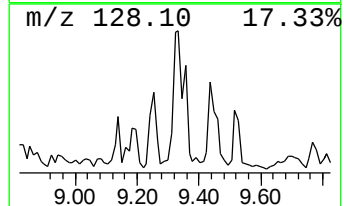
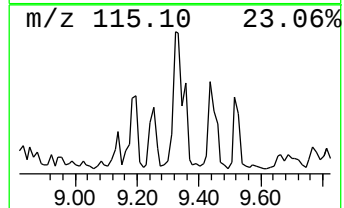
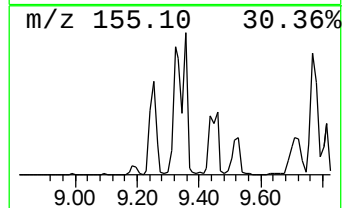
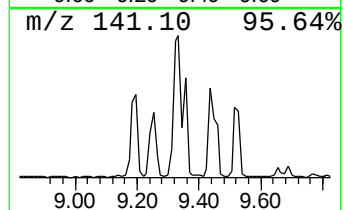
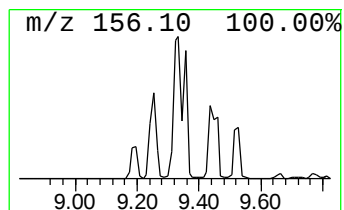
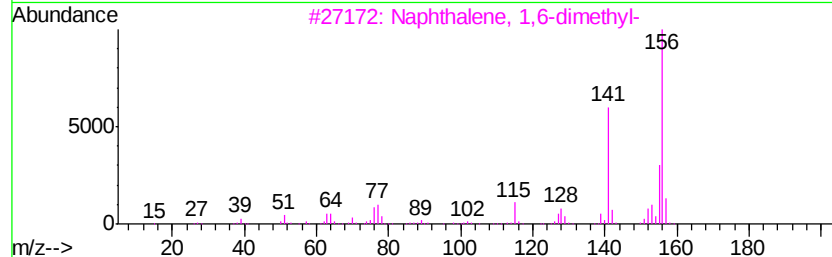
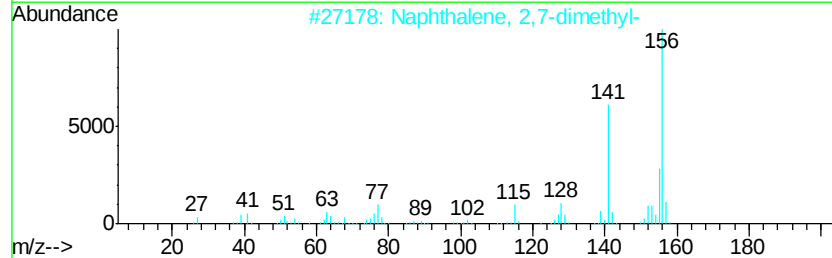
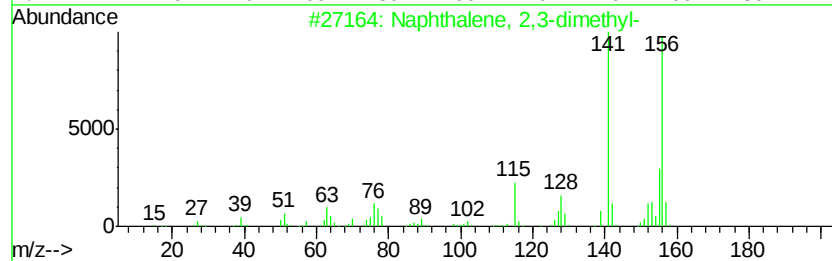
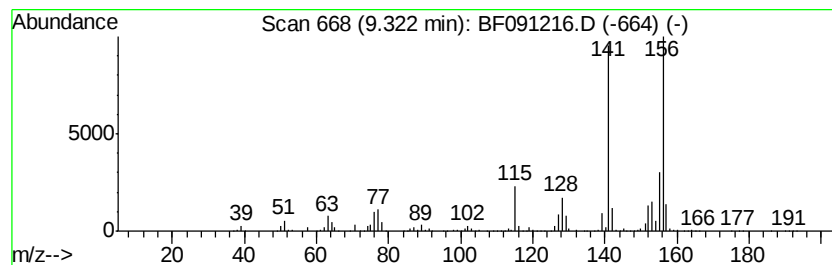
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	67.78 ng	7330340	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-1

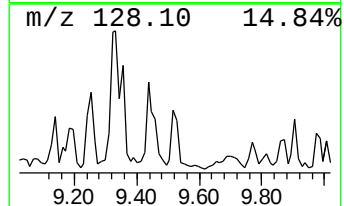
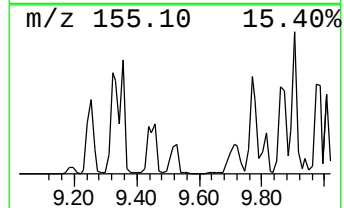
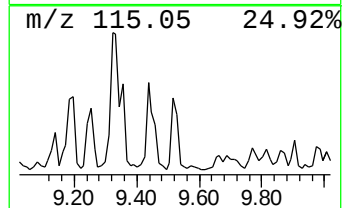
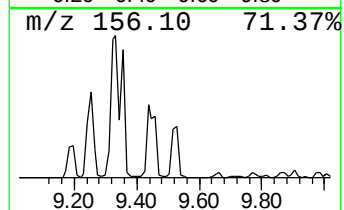
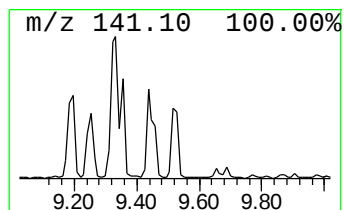
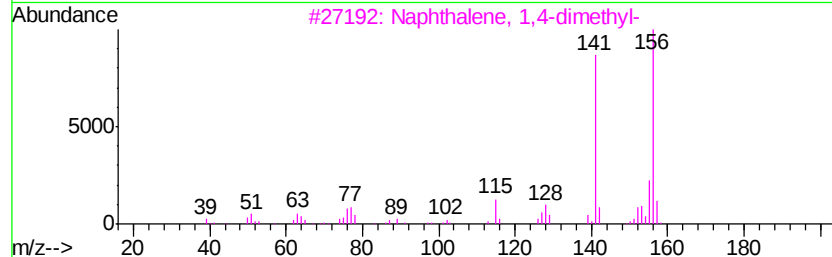
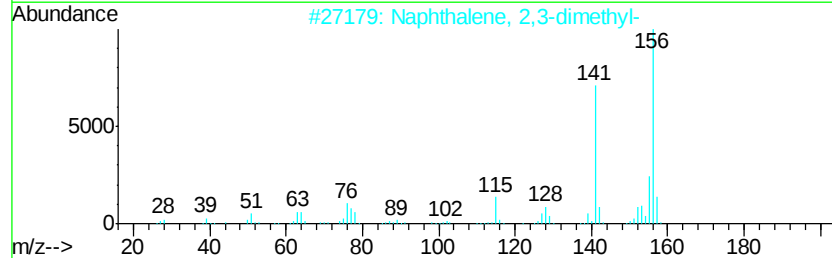
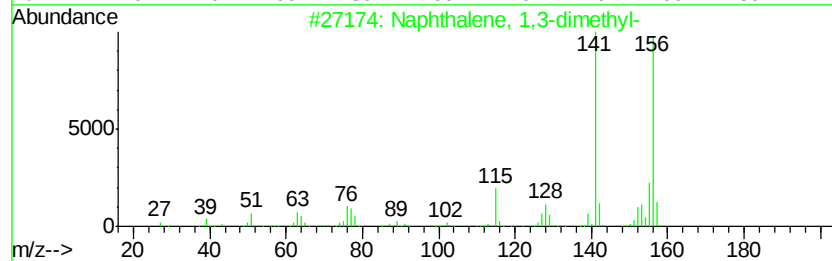
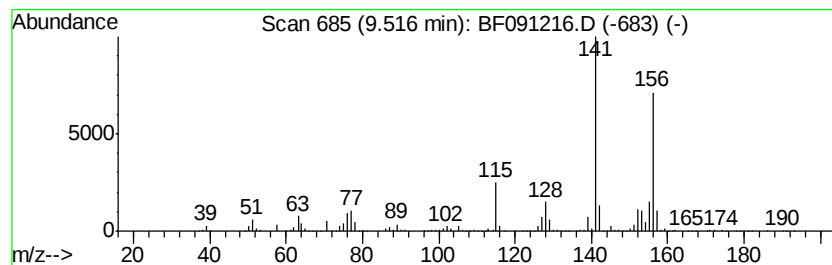
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	16.20 ng	1752440	Acenaphthene-d10	9.66

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

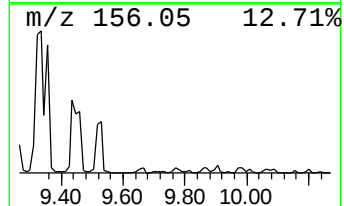
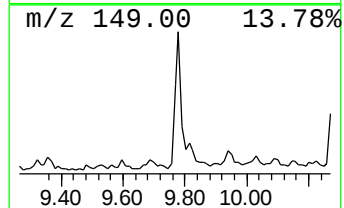
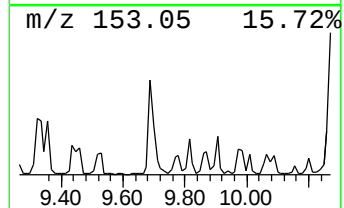
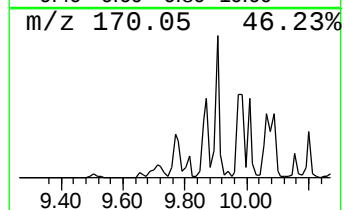
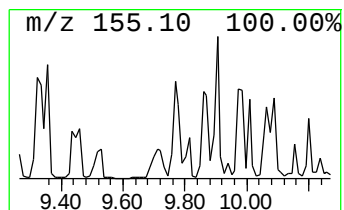
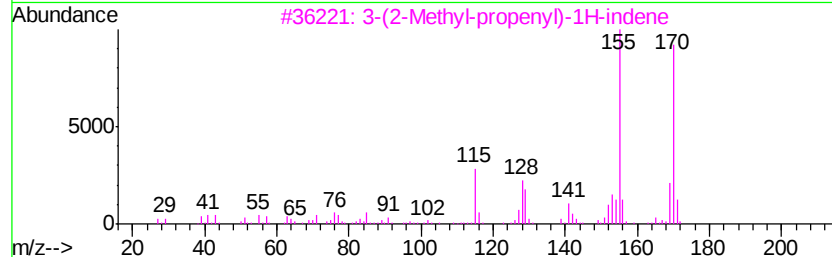
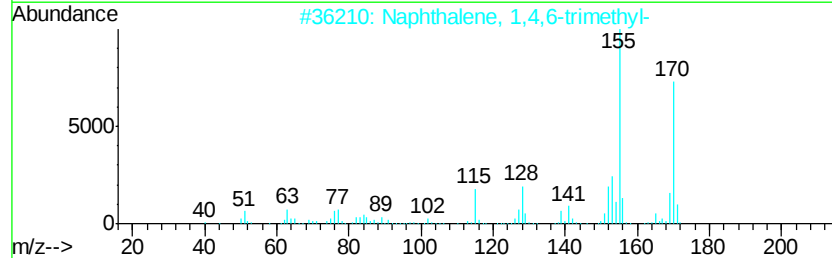
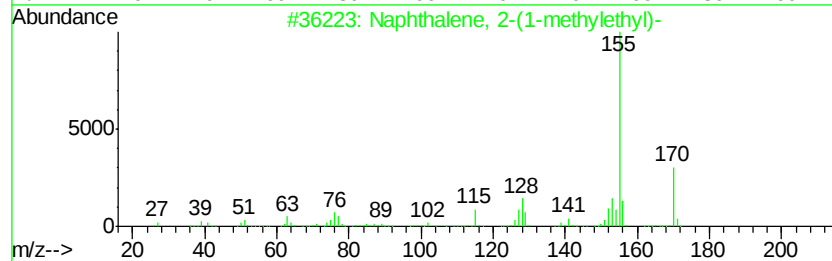
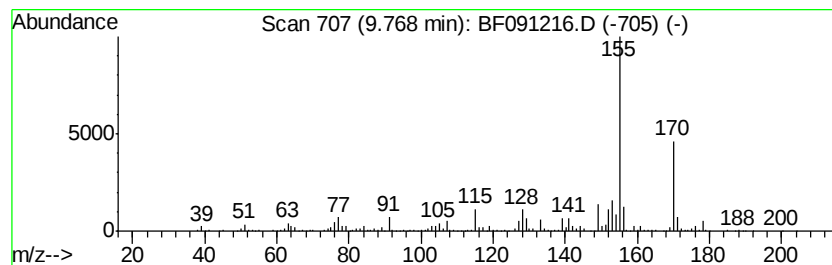
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 2-(1-methyleth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	9.78 ng	1057770	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	93
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5		1'-Acetonaphthone	170	C12H10O	000941-98-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
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Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-1

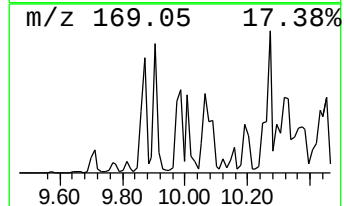
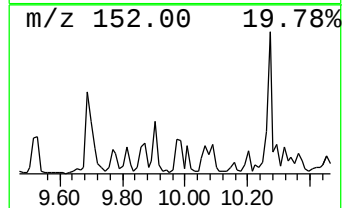
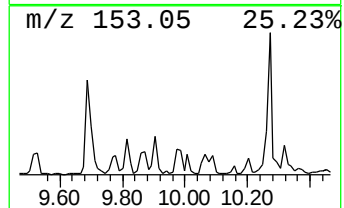
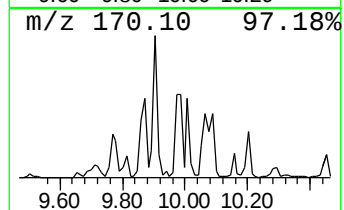
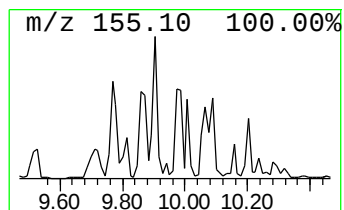
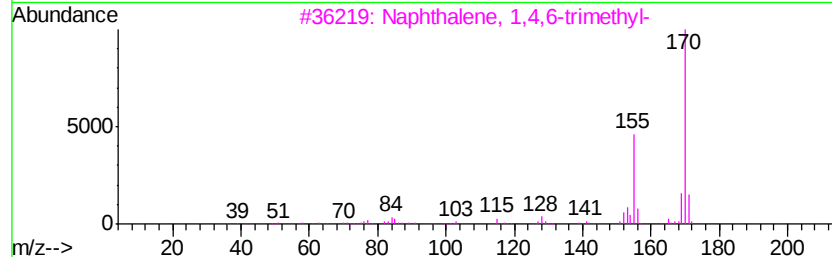
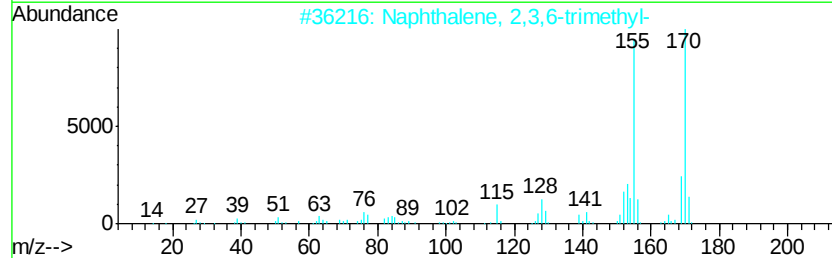
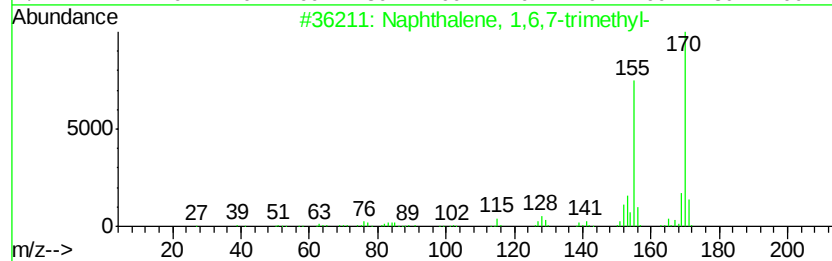
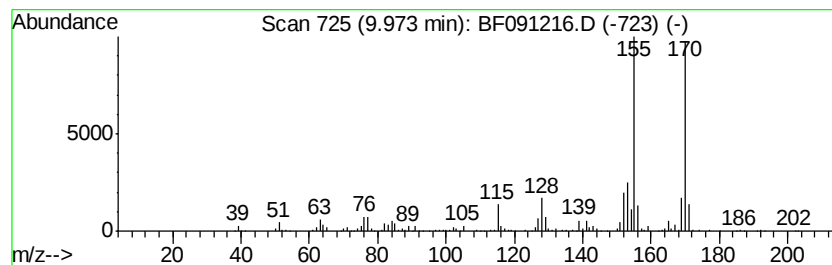
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	10.04 ng	1085670	Acenaphthene-d10	9.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
Data File : BF091216.D
Acq On : 17 Nov 2016 17:03
Operator : UM/SJ
Sample : H5686-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

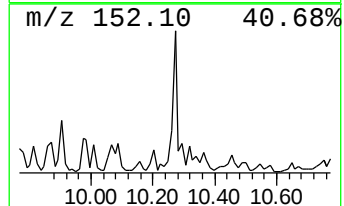
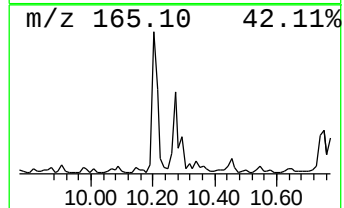
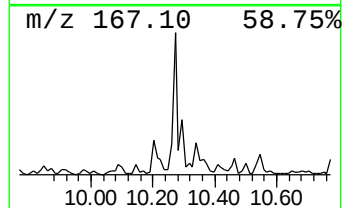
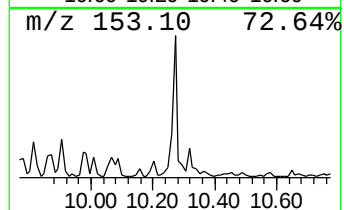
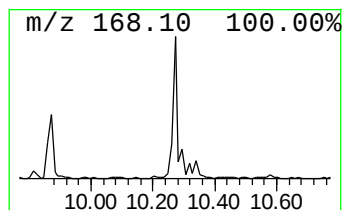
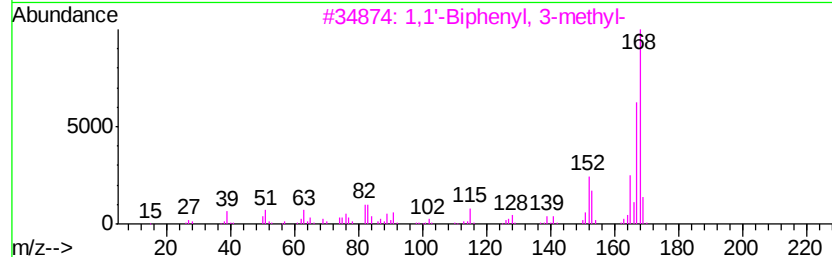
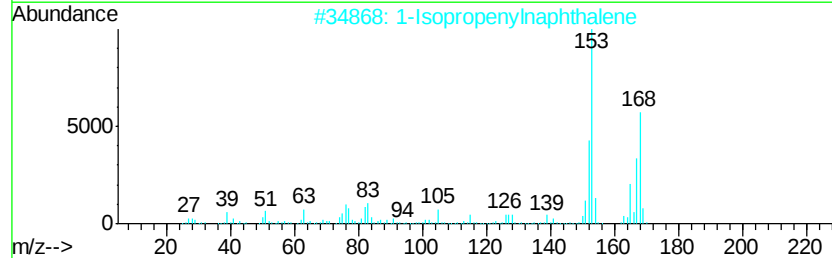
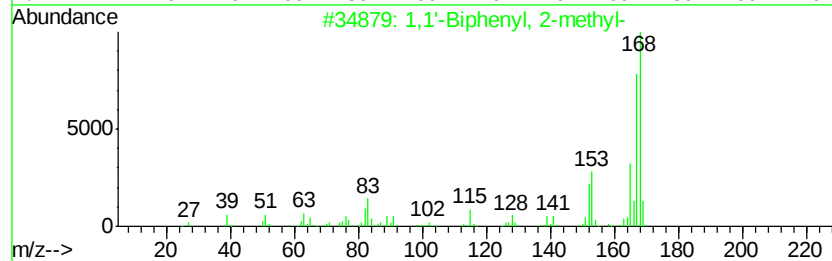
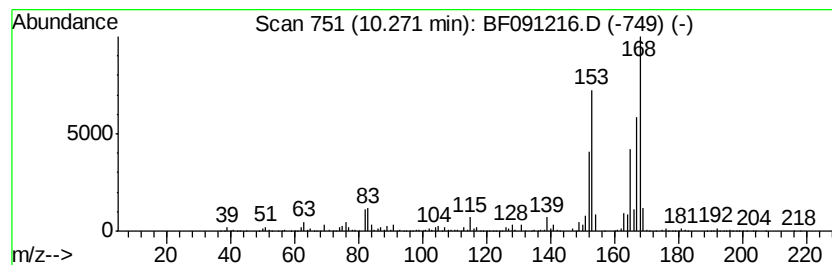
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,1'-Biphenyl, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	18.49 ng	2000120	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
2		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	76
3		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	52
4		1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	50
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
 Data File : BF091216.D
 Acq On : 17 Nov 2016 17:03
 Operator : UM/SJ
 Sample : H5686-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, (1-methy...	5.76	11.9	ng	663383	1	6.61	1111750	20.0
Benzene, propyl-	6.06	18.4	ng	1022080	1	6.61	1111750	20.0
unknown6.38	6.38	72.2	ng	4010500	1	6.61	1111750	20.0
Benzene, 1,3-diet...	6.88	18.2	ng	1010550	1	6.61	1111750	20.0
Benzene, 1,2-diet...	6.94	19.1	ng	1059570	1	6.61	1111750	20.0
Benzene, 1,2,4,5-...	7.40	10.3	ng	2223830	2	7.90	4316440	20.0
1H-Indene, 2,3-di...	7.58	11.4	ng	2466200	2	7.90	4316440	20.0
Benzene, 2-etheny...	7.65	25.3	ng	5468350	2	7.90	4316440	20.0
Naphthalene, 1,2,...	8.57	13.6	ng	2925670	2	7.90	4316440	20.0
Naphthalene, 1-me...	8.73	38.5	ng	8299650	2	7.90	4316440	20.0
Naphthalene, 1,2,...	9.14	10.1	ng	1094650	3	9.66	2162950	20.0
Naphthalene, 1-et...	9.20	18.6	ng	2014840	3	9.66	2162950	20.0
Naphthalene, 2,6-...	9.25	23.0	ng	2483500	3	9.66	2162950	20.0
Naphthalene, 2,3-...	9.32	67.8	ng	7330340	3	9.66	2162950	20.0
Naphthalene, 1,3-...	9.52	16.2	ng	1752440	3	9.66	2162950	20.0
Naphthalene, 2-(1...	9.77	9.8	ng	1057770	3	9.66	2162950	20.0
Naphthalene, 1,6,...	9.97	10.0	ng	1085670	3	9.66	2162950	20.0
1,1'-Biphenyl, 2-...	10.27	18.5	ng	2000120	3	9.66	2162950	20.0