

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
 Data File : BF083813.D
 Acq On : 15 Dec 2015 12:25
 Operator : UM/IZ
 Sample : G4760-01 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

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-BF121315.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	3.470	118	121	125	rVV	238712	476876	10.06%	0.446%
2	3.664	132	138	141	rVV	181723	349642	7.38%	0.327%
3	5.356	285	286	289	rVV	266936	413498	8.73%	0.387%
4	5.493	296	298	301	rVV	666070	615959	13.00%	0.576%
5	5.721	316	318	327	rBV	891507	1736112	36.64%	1.624%
6	6.453	375	382	384	rBV	156509	404697	8.54%	0.379%
7	6.521	385	388	390	rVB	700830	654382	13.81%	0.612%
8	6.659	399	400	403	rVB	609637	600193	12.67%	0.562%
9	6.739	404	407	409	rBV	1586589	2115784	44.65%	1.980%
10	6.784	409	411	416	rVB	643758	1056448	22.30%	0.988%
11	6.899	419	421	423	rBV	794203	640420	13.52%	0.599%
12	7.059	433	435	436	rBV	433777	447738	9.45%	0.419%
13	7.082	436	437	442	rVB	476283	435992	9.20%	0.408%
14	7.162	442	444	448	rBV	1560678	2357232	49.75%	2.206%
15	7.470	467	471	474	rVB3	588387	1307065	27.58%	1.223%
16	7.527	474	476	478	rBV	443612	741462	15.65%	0.694%
17	7.562	478	479	483	rVB2	286043	377618	7.97%	0.353%
18	7.676	486	489	490	rBV2	334150	495026	10.45%	0.463%
19	7.756	493	496	500	rBV2	885459	1755442	37.05%	1.643%
20	7.939	509	512	514	rBV2	1168026	1730244	36.51%	1.619%
21	7.984	514	516	521	rVB	866384	1637237	34.55%	1.532%
22	8.179	531	533	537	rBV3	648384	1475373	31.14%	1.380%
23	8.407	550	553	554	rVV	1238583	1275538	26.92%	1.193%
24	8.465	556	558	560	rVV	1495136	1487642	31.39%	1.392%
25	8.647	570	574	577	rVV3	343866	1064634	22.47%	0.996%
26	8.693	577	578	581	rVV2	361767	454572	9.59%	0.425%
27	8.773	584	585	589	rVV4	164804	418485	8.83%	0.392%
28	8.853	590	592	594	rVV	231035	346745	7.32%	0.324%
29	8.899	594	596	598	rVB2	651732	967511	20.42%	0.905%
30	8.967	598	602	603	rBV	276231	457187	9.65%	0.428%
31	9.002	603	605	608	rVV	3467843	4538733	95.78%	4.247%
32	9.093	610	613	616	rVV3	226265	519066	10.95%	0.486%
33	9.185	619	621	622	rVV	428448	408359	8.62%	0.382%
34	9.219	622	624	626	rVV2	213036	400883	8.46%	0.375%

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35	9.265	626	628	630	rVV	657417	776789	16.39%	0.727%
36	9.390	637	639	640	rVV	1204490	1107788	23.38%	1.037%
37	9.413	640	641	644	rVV2	226933	460936	9.73%	0.431%
38	9.470	644	646	648	rVV	498449	571937	12.07%	0.535%
39	9.539	648	652	653	rVV3	869246	1896533	40.02%	1.775%
40	9.607	655	658	659	rVV	2048766	2634028	55.59%	2.465%
41	9.665	661	663	665	rVV3	466088	817465	17.25%	0.765%
42	9.722	665	668	673	rVV2	1131947	2372966	50.08%	2.220%
43	9.802	673	675	677	rVV	1396062	1388867	29.31%	1.300%
44	9.882	681	682	683	rVV	416945	369705	7.80%	0.346%
45	9.939	685	687	689	rVV	999677	1230637	25.97%	1.151%
46	9.973	689	690	692	rVV	860631	825101	17.41%	0.772%
47	10.042	694	696	699	rVV	205977	450482	9.51%	0.422%
48	10.145	702	705	707	rVV2	692048	944188	19.93%	0.883%
49	10.179	707	708	710	rVV	413418	483051	10.19%	0.452%
50	10.282	712	717	719	rVV3	625840	1247791	26.33%	1.168%
51	10.350	720	723	726	rVV2	372096	858367	18.11%	0.803%
52	10.442	728	731	733	rVV3	276170	588228	12.41%	0.550%
53	10.488	733	735	738	rVV3	235003	523133	11.04%	0.489%
54	10.568	738	742	743	rVV3	187636	562196	11.86%	0.526%
55	10.602	743	745	747	rVV2	384562	446339	9.42%	0.418%
56	10.728	752	756	758	rVB3	401636	662618	13.98%	0.620%
57	10.865	765	768	770	rVB2	358080	525168	11.08%	0.491%
58	11.036	780	783	784	rBV	339313	490613	10.35%	0.459%
59	11.333	806	809	810	rBV2	228178	399871	8.44%	0.374%
60	11.356	810	811	813	rVB	1153607	1443497	30.46%	1.351%
61	11.425	813	817	818	rBV	779107	974562	20.57%	0.912%
62	11.448	818	819	821	rVB	1988781	1802879	38.05%	1.687%
63	11.493	821	823	825	rVB	654846	934266	19.72%	0.874%
64	11.551	825	828	830	rBV	2034095	2178967	45.98%	2.039%
65	11.665	836	838	841	rBV	1550563	2006113	42.34%	1.877%
66	11.733	841	844	847	rVV	575255	1058862	22.35%	0.991%
67	11.779	847	848	851	rVB	793686	1090388	23.01%	1.020%
68	11.836	851	853	855	rVB	2203674	2100528	44.33%	1.965%
69	11.951	859	863	866	rBV3	1862983	4738486	100.00%	4.434%
70	11.996	866	867	869	rVV2	880848	971786	20.51%	0.909%
71	12.042	869	871	872	rVV	1150793	1439633	30.38%	1.347%

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72	12.065	872	873	875	rVV2	1386305	1527327	32.23%	1.429%
73	12.099	875	876	879	rVB	1028839	1115189	23.53%	1.043%
74	12.156	879	881	882	rBV	316536	363165	7.66%	0.340%
75	12.202	882	885	890	rVV2	1484616	2778156	58.63%	2.599%
76	12.293	891	893	894	rVV	555644	611360	12.90%	0.572%
77	12.339	894	897	901	rVB3	643318	1600813	33.78%	1.498%
78	12.431	901	905	907	rVB2	675658	1090559	23.01%	1.020%
79	12.476	907	909	911	rBV2	913526	1606080	33.89%	1.503%
80	12.511	911	912	916	rVV2	1266982	1969151	41.56%	1.842%
81	12.579	916	918	920	rVV3	931438	1433099	30.24%	1.341%
82	12.648	922	924	926	rVV	1147186	1142998	24.12%	1.069%
83	12.682	926	927	930	rVB3	366263	462204	9.75%	0.432%
84	12.762	933	934	936	rVB2	617665	621673	13.12%	0.582%
85	12.865	939	943	947	rVB3	1318828	2315420	48.86%	2.166%
86	13.002	954	955	959	rVV2	582967	959113	20.24%	0.897%
87	13.082	961	962	965	rVV2	429014	628349	13.26%	0.588%
88	13.196	968	972	974	rVB3	483198	1137062	24.00%	1.064%
89	13.254	974	977	979	rBV2	440993	836020	17.64%	0.782%
90	13.299	979	981	987	rVB2	456424	670215	14.14%	0.627%
91	13.391	987	989	990	rBV	345219	391502	8.26%	0.366%
92	13.528	998	1001	1004	rVB	570962	1005611	21.22%	0.941%
93	13.596	1005	1007	1012	rVB2	229549	379772	8.01%	0.355%
94	13.802	1022	1025	1027	rVV2	279621	505562	10.67%	0.473%
95	14.054	1044	1047	1048	rBV2	1059077	1558452	32.89%	1.458%
96	14.442	1079	1081	1083	rVV	429607	499698	10.55%	0.468%
97	14.534	1085	1089	1091	rVV3	160437	352009	7.43%	0.329%
98	15.082	1134	1137	1141	rVV	304976	644138	13.59%	0.603%
99	15.437	1165	1168	1171	rVB	421691	528395	11.15%	0.494%
100	15.494	1171	1173	1175	rBV	435993	603424	12.73%	0.565%

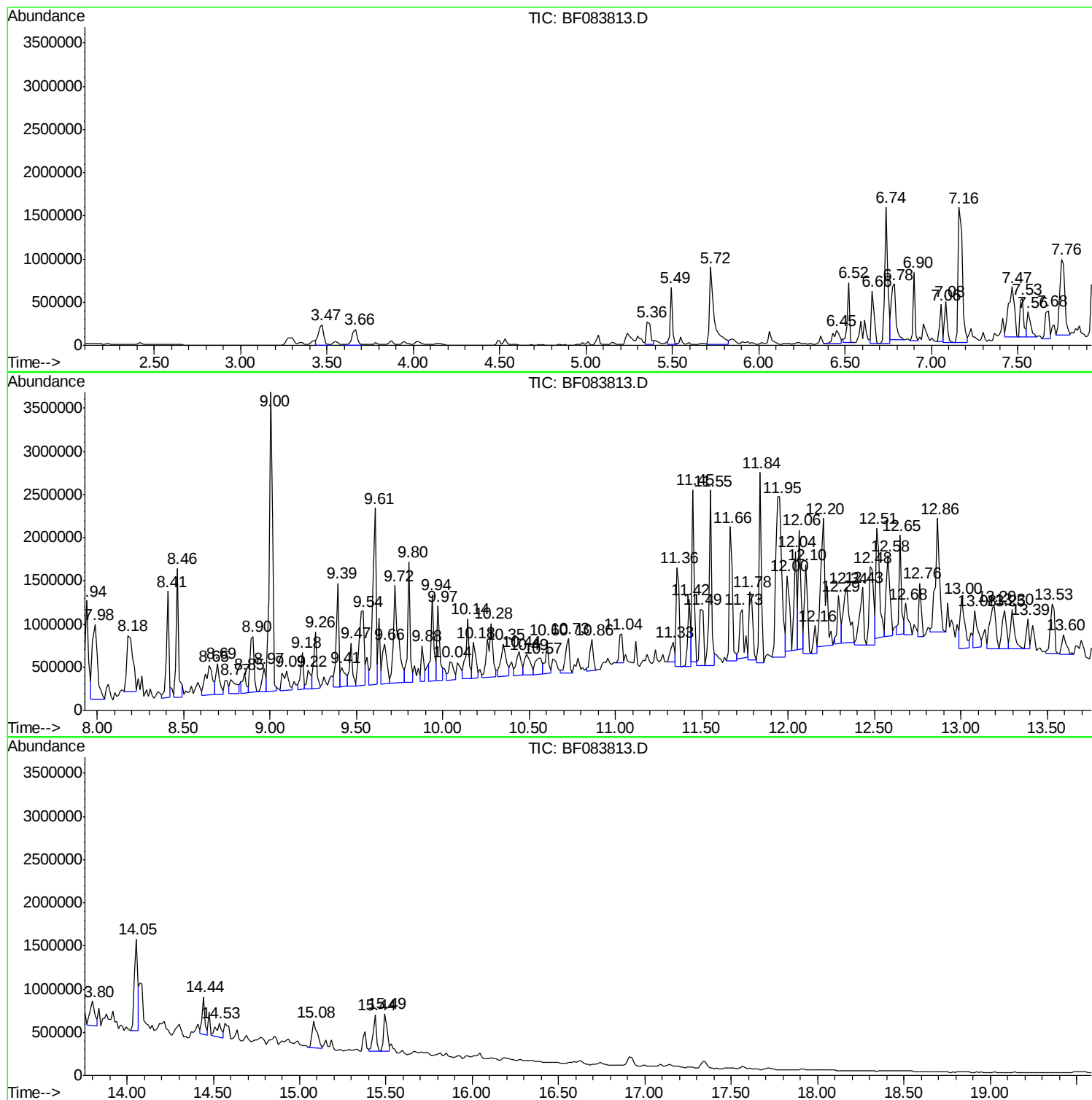
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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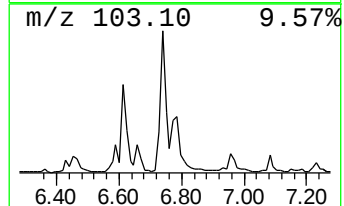
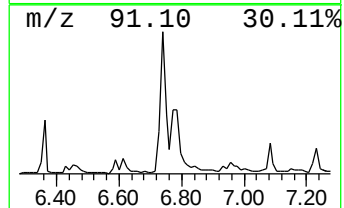
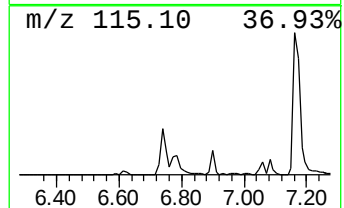
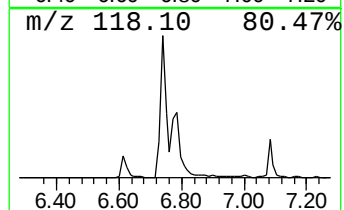
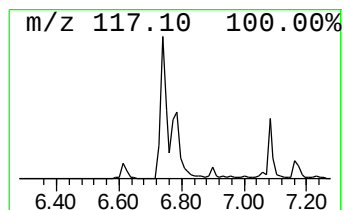
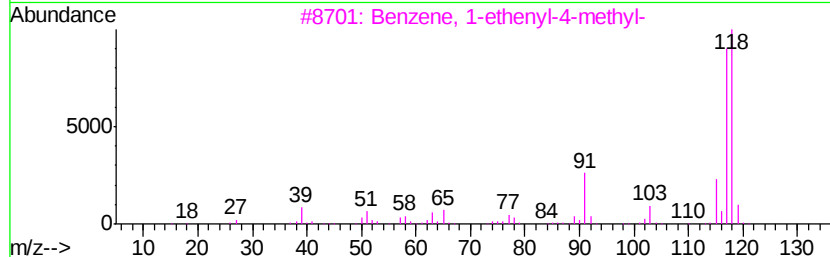
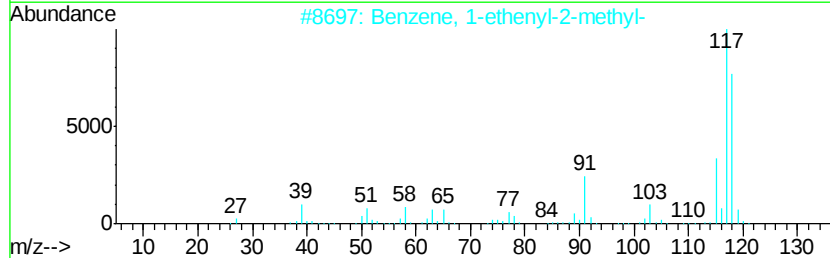
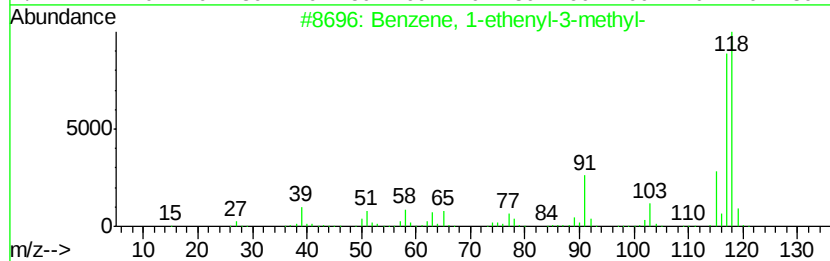
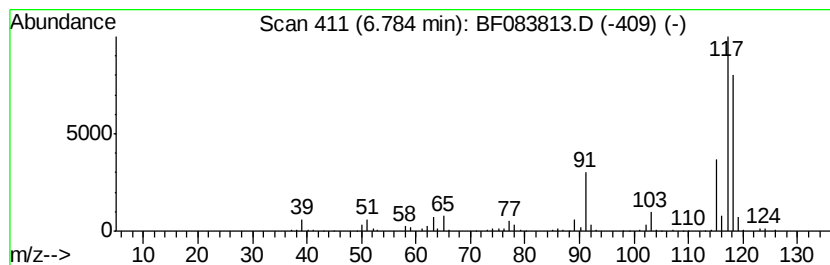
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	32.99 ng	1056450	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	91
5		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90



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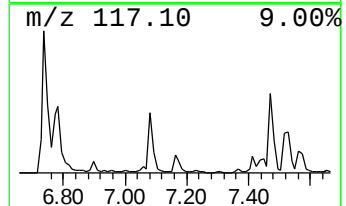
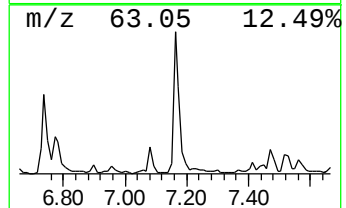
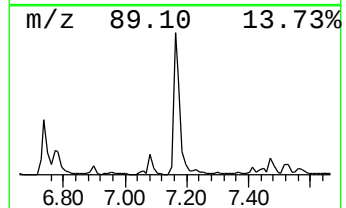
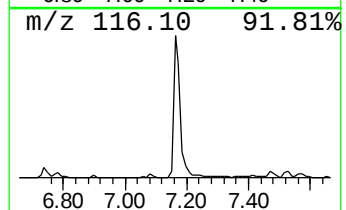
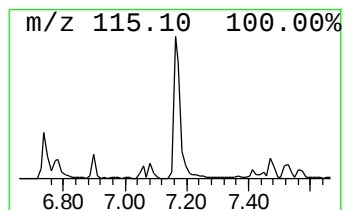
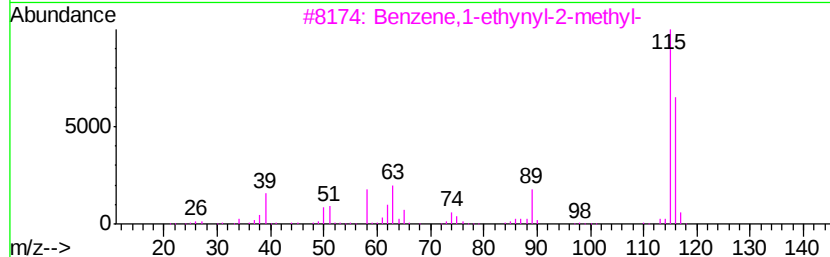
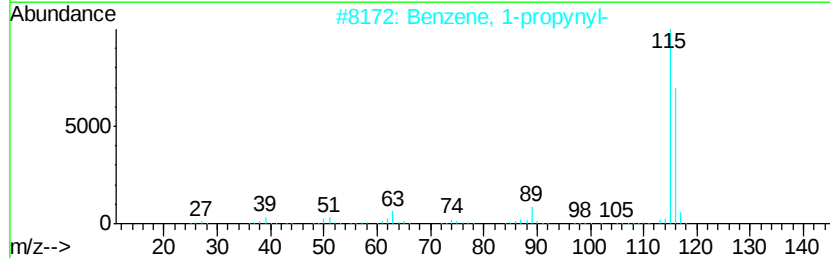
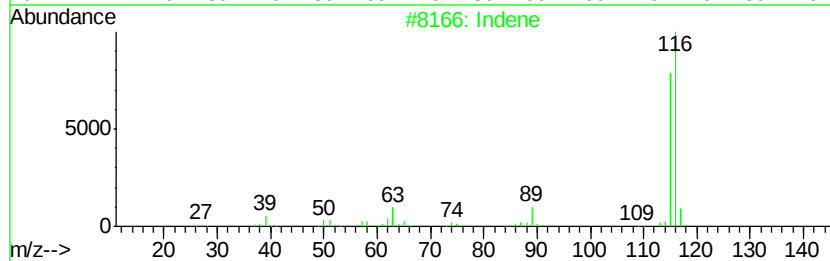
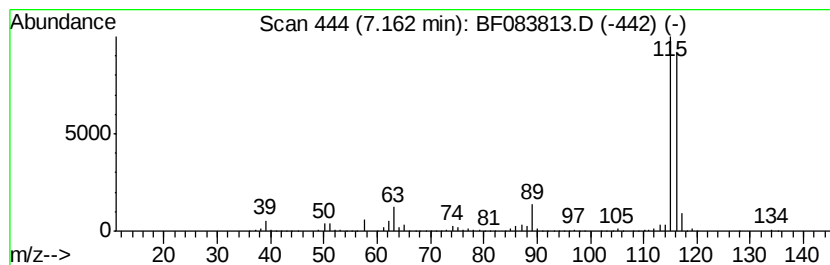
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	73.62 ng	2357230	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3		Benzene, 1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
4		Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90
5		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83



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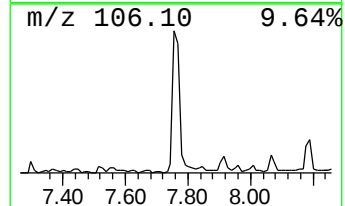
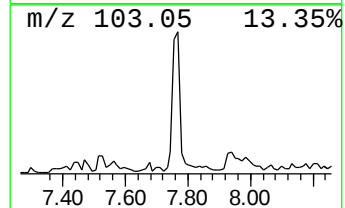
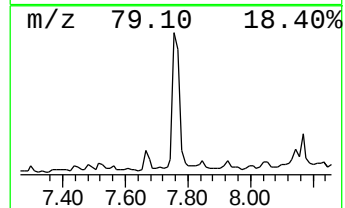
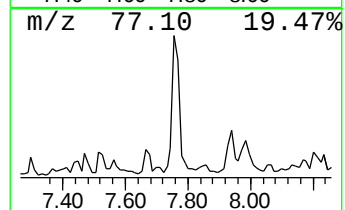
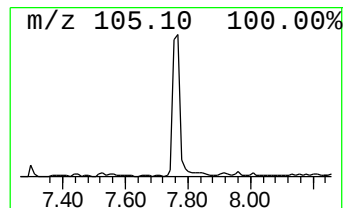
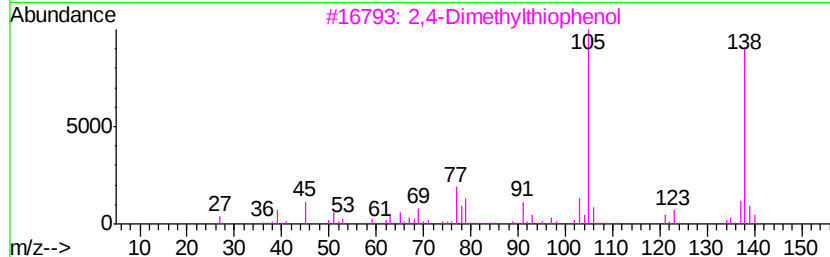
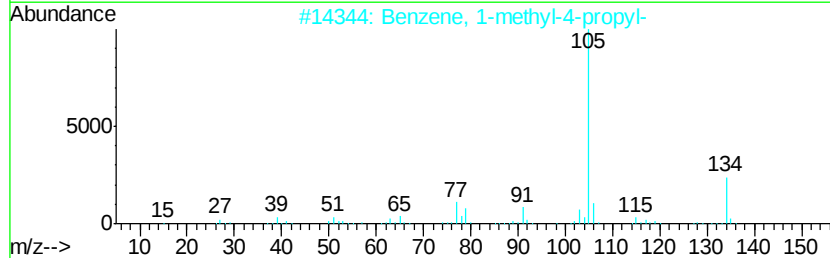
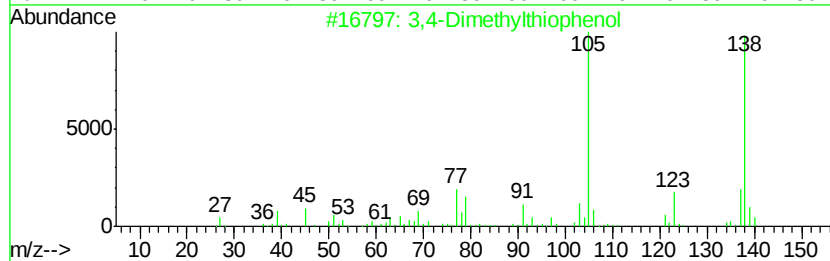
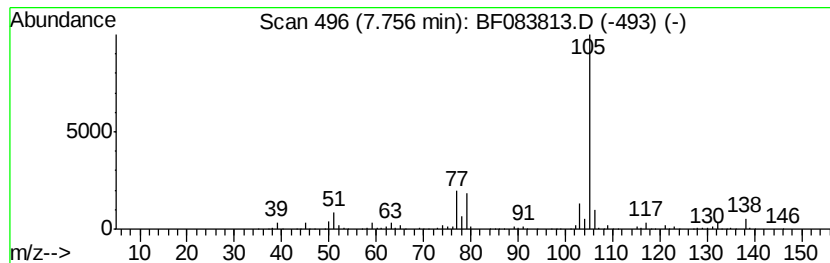
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TIC Integration Parameters: LSCINT.P

Peak Number 5 3,4-Dimethylthiophenol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	23.80 ng	1755440	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	72
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
3		2,4-Dimethylthiophenol	138	C8H10S	013616-82-5	72
4		Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	64
5		2-Tolylloxirane	134	C9H10O	002783-26-8	64



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC121015-SOIL-POPH

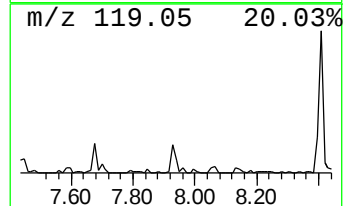
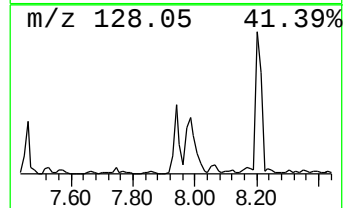
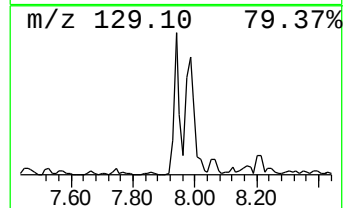
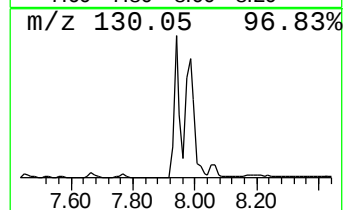
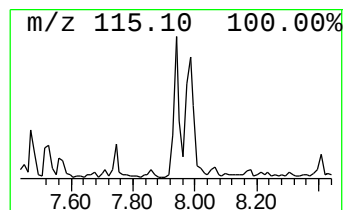
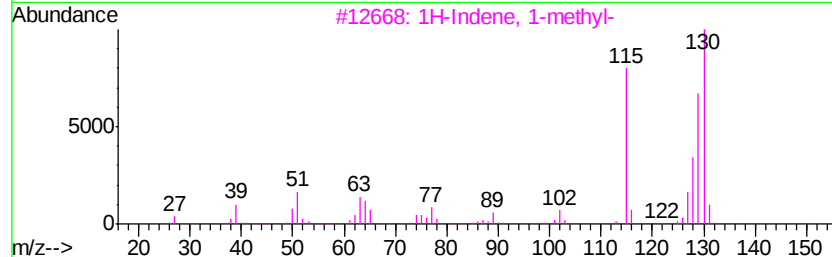
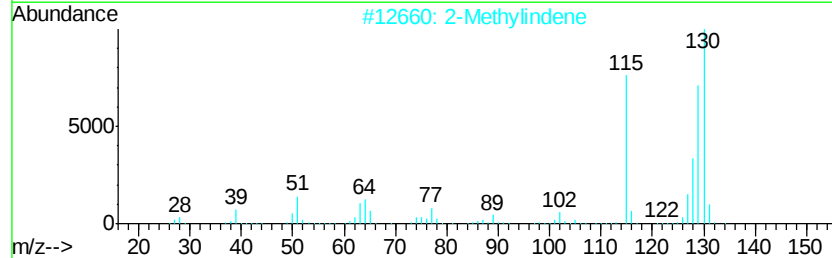
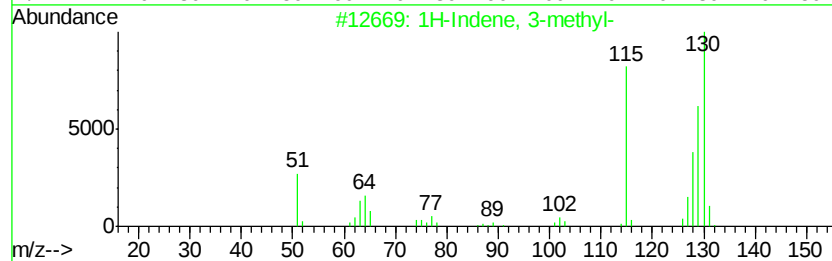
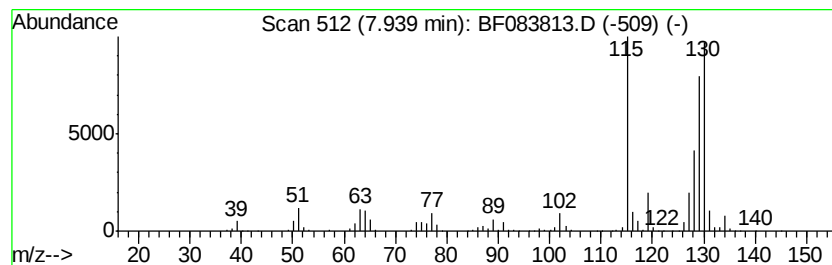
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	23.46 ng	1730240	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
2		2-Methylindene	130	C10H10	002177-47-1	95
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
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ALS Vial : 52 Sample Multiplier: 1

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ClientSampleId :
WC121015-SOIL-POPH

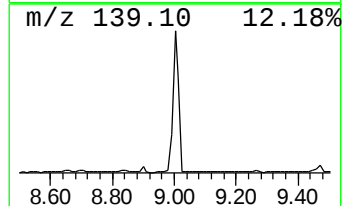
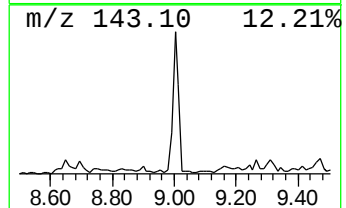
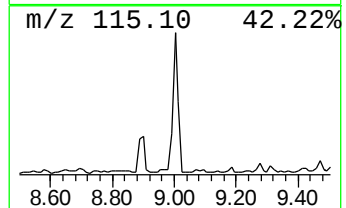
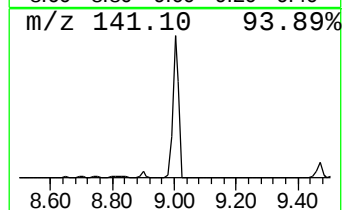
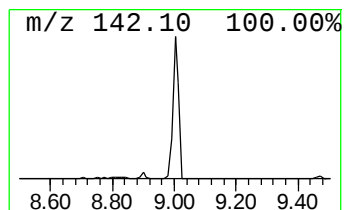
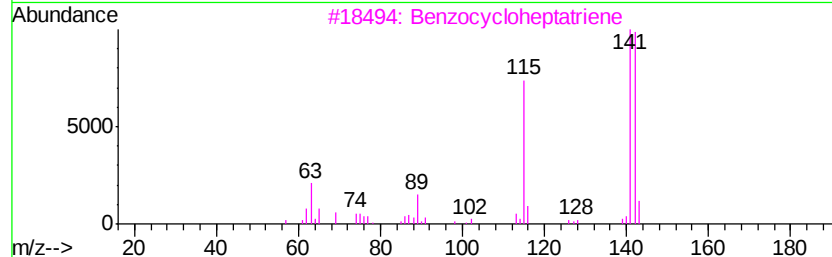
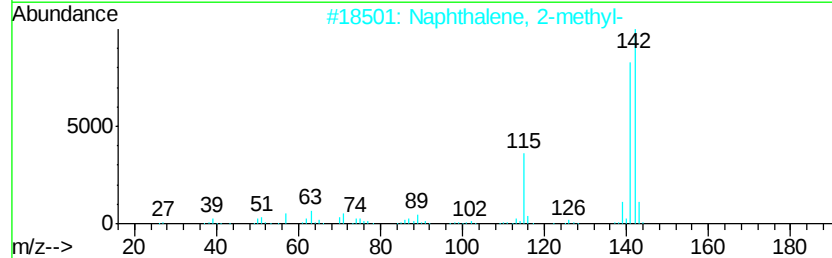
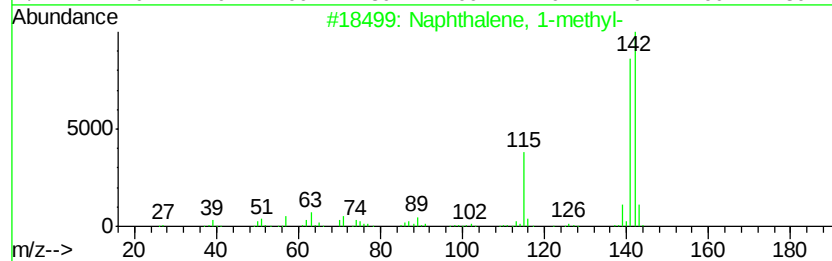
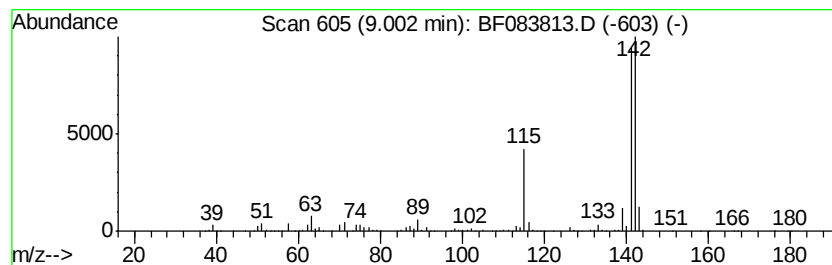
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	61.53 ng	4538730	Naphthalene-d8	8.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

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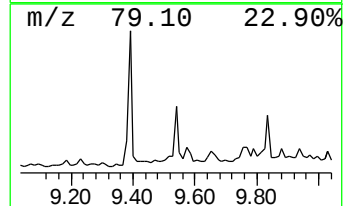
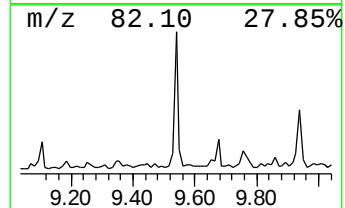
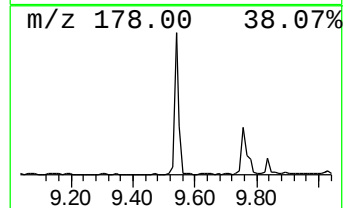
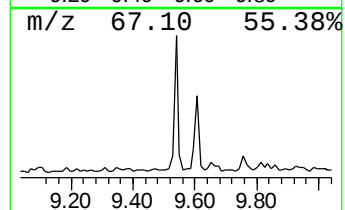
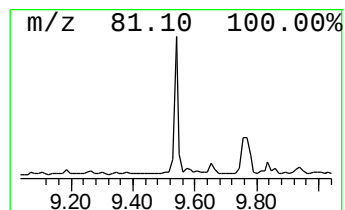
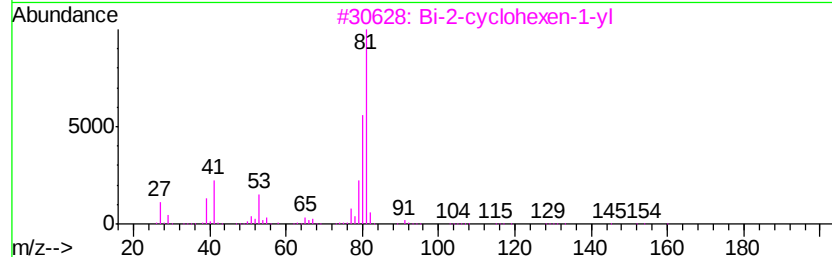
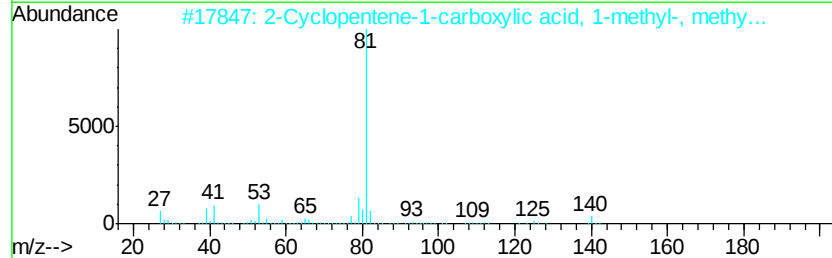
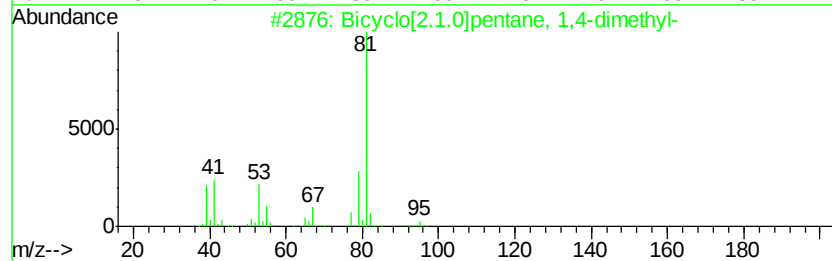
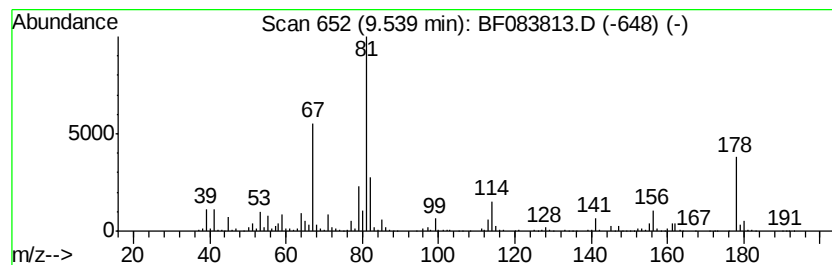
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown9.54 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	30.82 ng	1896530	Acenaphthene-d10	9.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.1.0]pentane, 1,4-dimet...	96	C7H12	017065-18-8	35
2		2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	27
3		Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	25
4		Ethanone, 1-(1-methyl-2-cyclopent...	124	C8H12O	068752-16-9	25
5		1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	25



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

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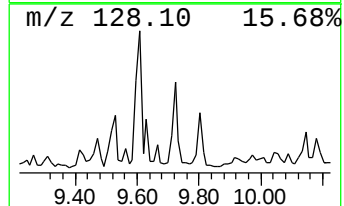
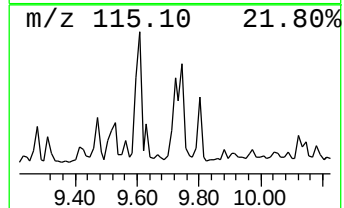
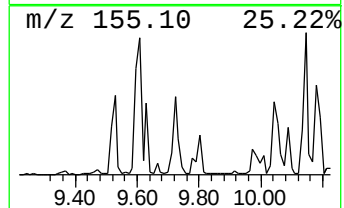
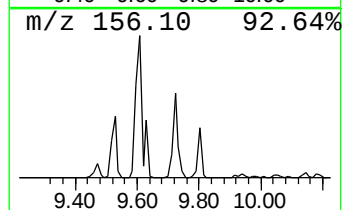
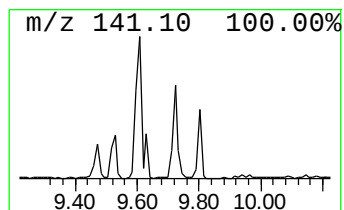
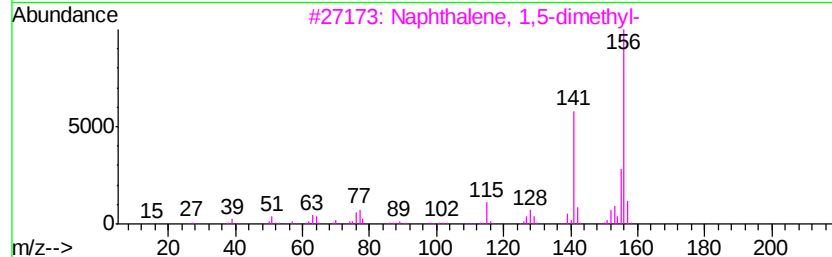
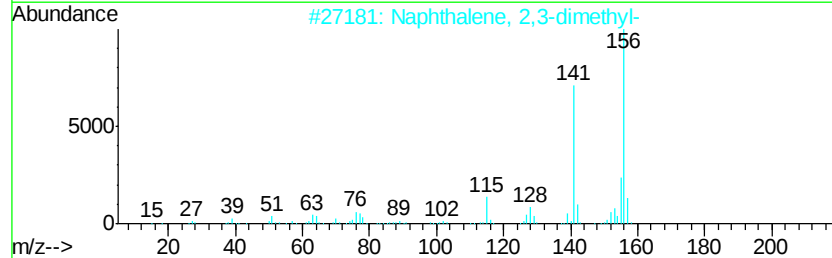
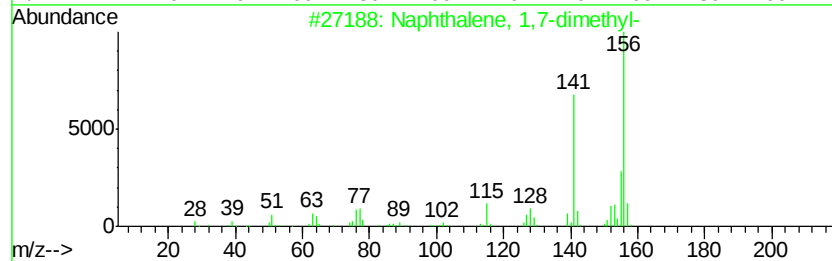
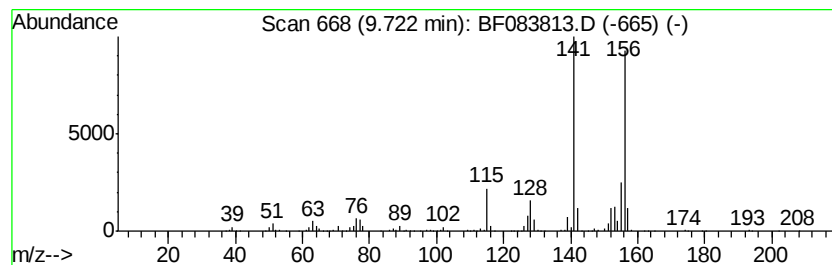
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	38.56 ng	2372970	Acenaphthene-d10	9.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
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Misc :
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Instrument :
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ClientSampleId :
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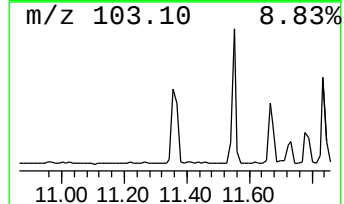
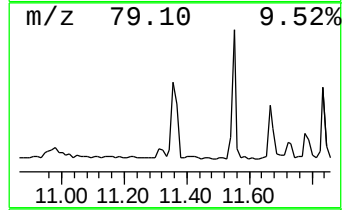
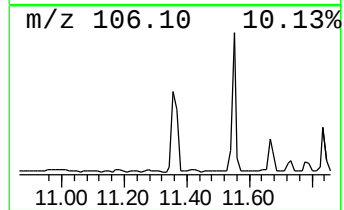
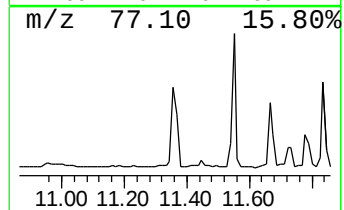
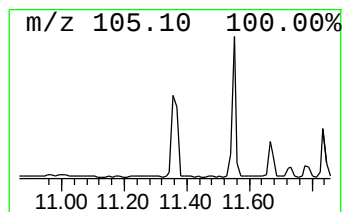
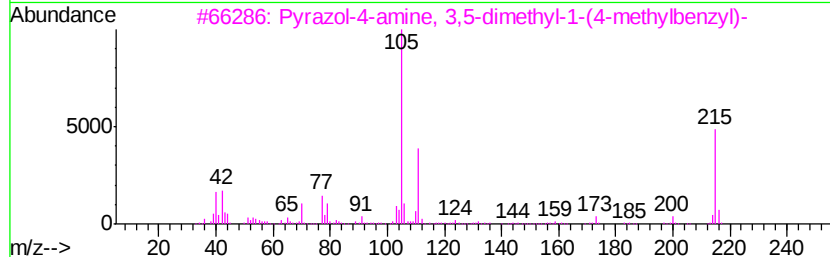
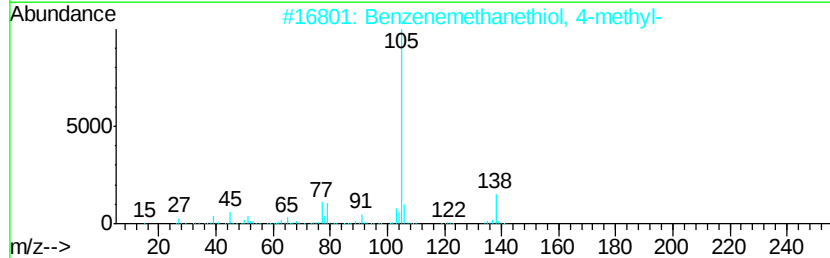
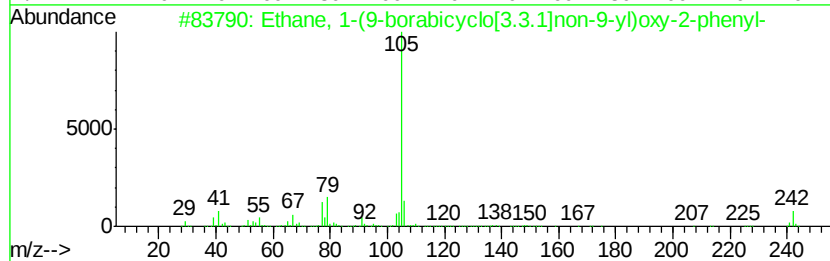
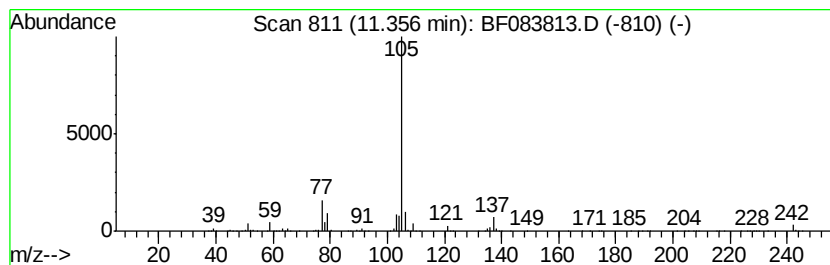
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Ethane, 1-(9-borabicyclo[3.... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	29.62 ng	1443500	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethane, 1-(9-borabicyclo[3.3.1]n...	242	C16H23BO	1000161-01-0	64
2		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	64
3		Pyrazol-4-amine, 3,5-dimethyl-1-...	215	C13H17N3	1000272-85-6	59
4		Phenol, o-[(.alpha.-methylbenzyl)...]	262	C14H14O3S	029634-38-6	59
5		Benzene, (1,2,2-trimethyl-3-bute...	174	C13H18	061142-17-4	59



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
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Sample : G4760-01 5X
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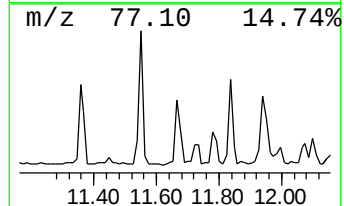
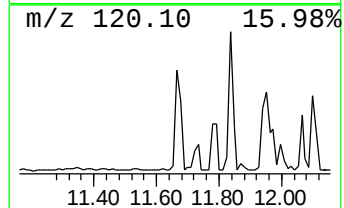
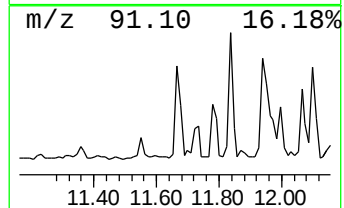
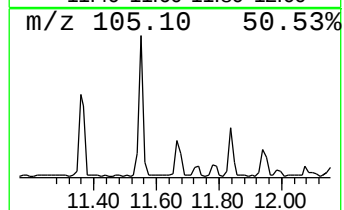
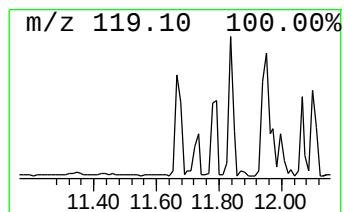
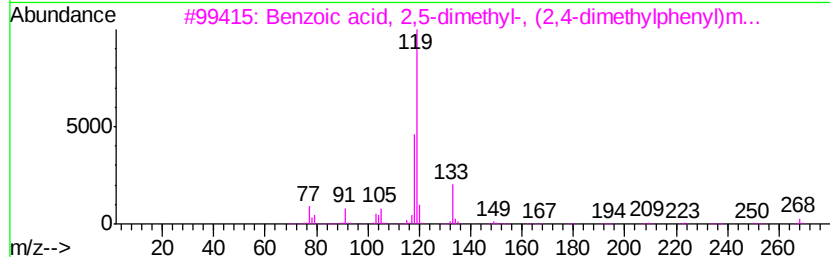
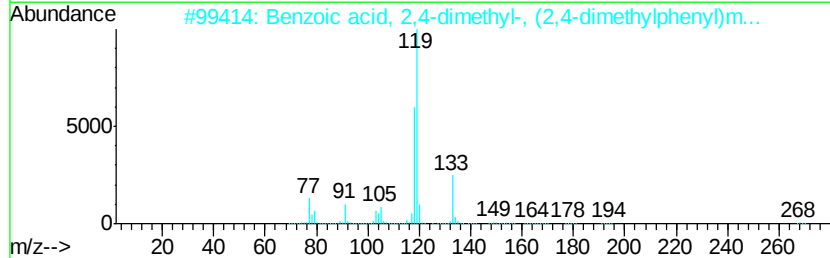
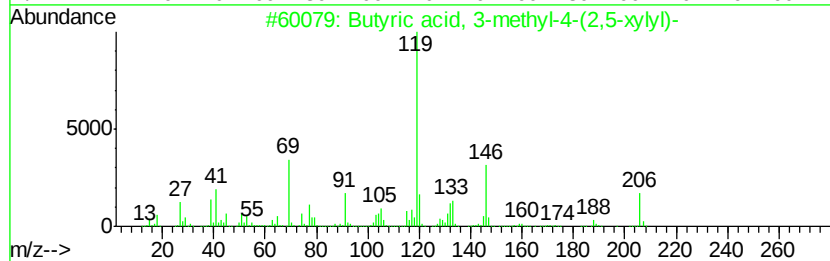
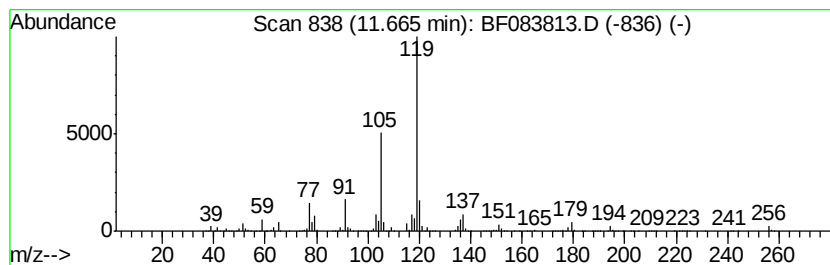
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Butyric acid, 3-methyl-4-(2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.66	41.17 ng	2006110	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyric acid, 3-methyl-4-(2,5-xv...	206	C13H18O2	030275-76-4	64
2	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	59
3	Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	59
4	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	59
5	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	59



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
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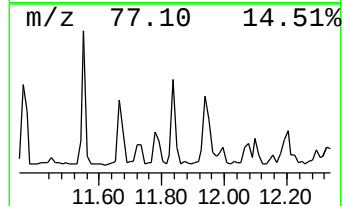
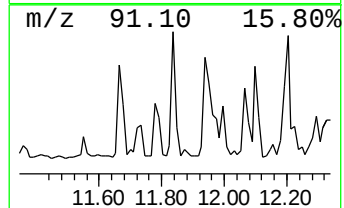
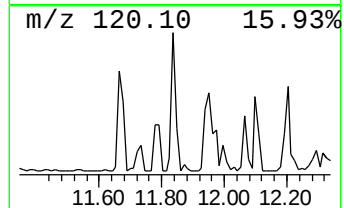
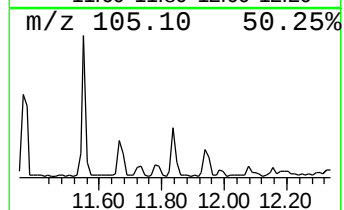
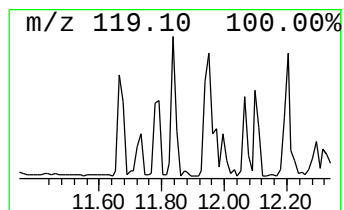
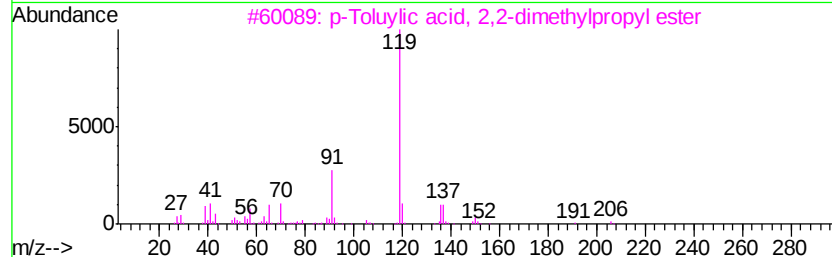
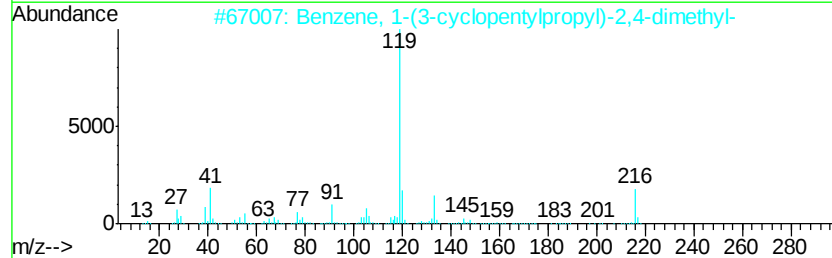
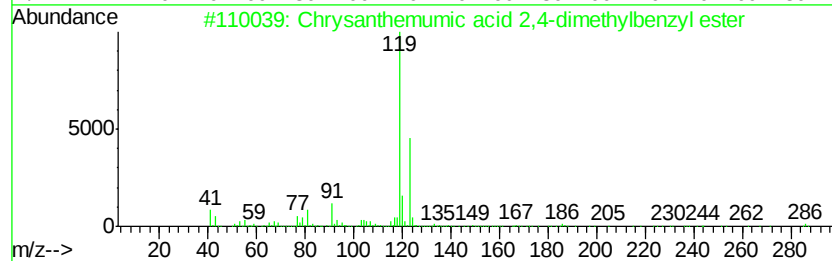
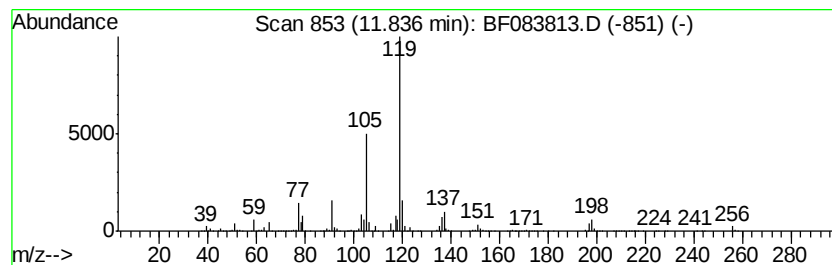
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Chrysanthemumic acid 2,4-di... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	43.11 ng	2100530	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chrysanthemumic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	59
2		Benzene, 1-(3-cyclopentylpropyl)...	216	C16H24	054815-16-6	59
3		p-Toluylic acid, 2,2-dimethylpro...	206	C13H18O2	069912-01-2	59
4		o-Toluylic acid, hex-4-yn-3-yl e...	216	C14H16O2	1000292-51-2	59
5		Butyric acid, 3-methyl-4-(2,5-xy...	206	C13H18O2	030275-76-4	59



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

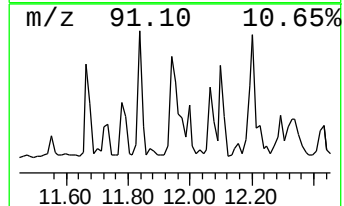
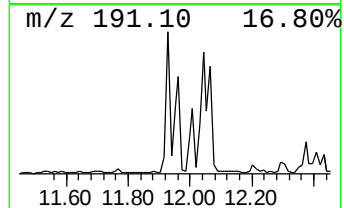
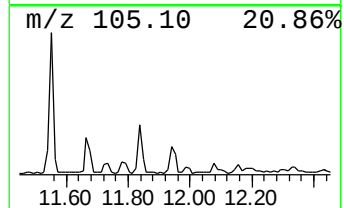
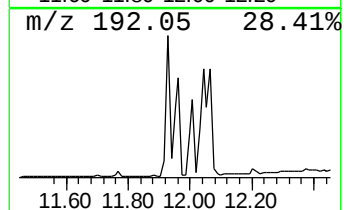
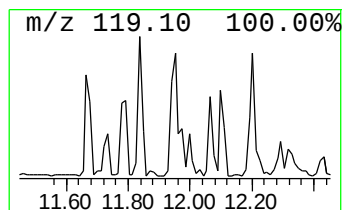
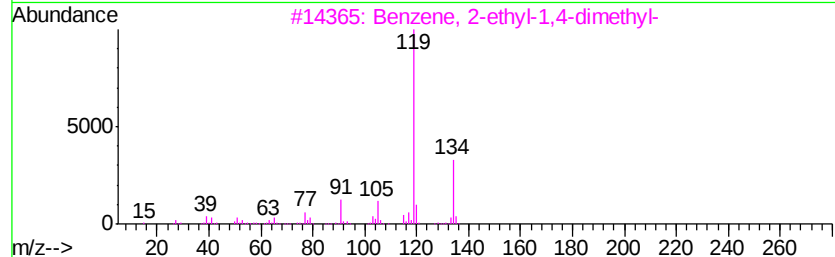
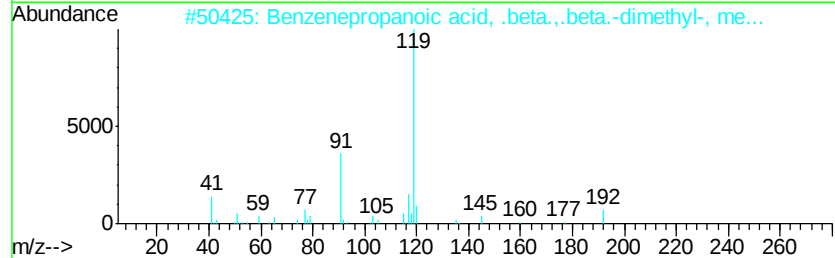
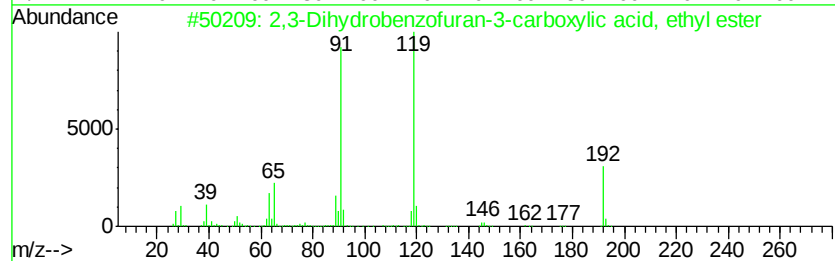
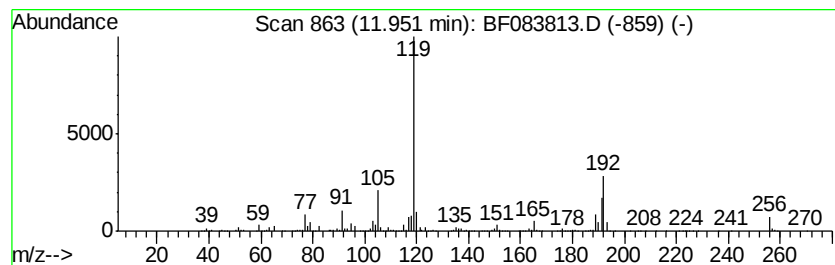
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ClientSampleId :
WC121015-SOIL-POPH

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2,3-Dihydrobenzofuran-3-car... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.95	97.24 ng	4738490	Phenanthrene-d10	11.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dihydrobenzofuran-3-carboxyl...	192	C11H12O3	1000194-68-1	53	
2	Benzenepropanoic acid, .beta., .b...	192	C12H16O2	025080-84-6	50	
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50	
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46	
5	N-(Mesitylenesulfonyl)imidazole	250	C12H14N2O2S	050257-39-1	43	



Data Path : V:\HPCHEM1\BNA_F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

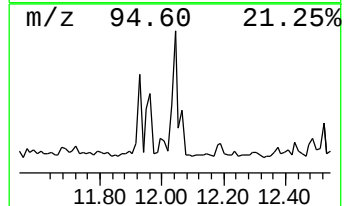
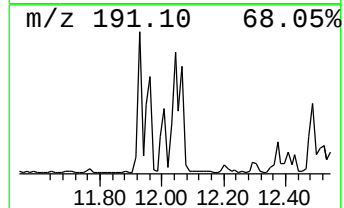
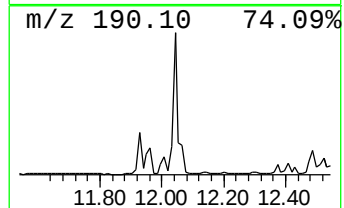
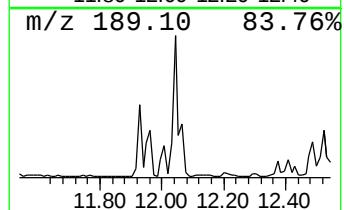
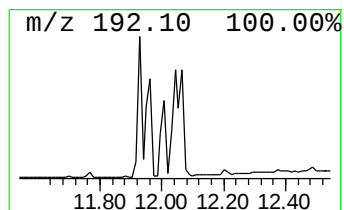
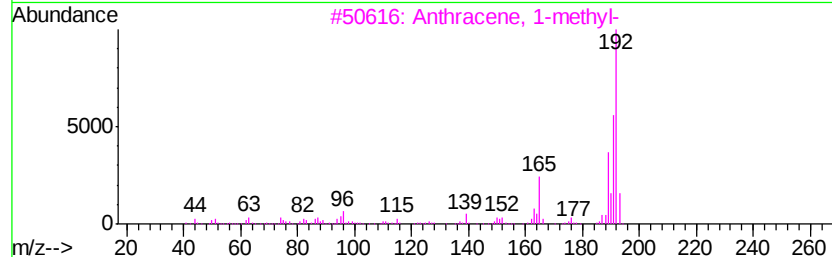
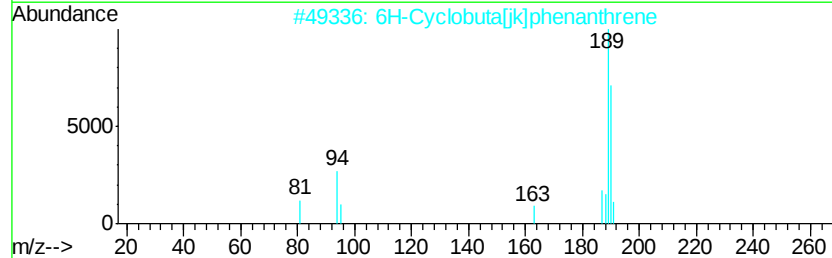
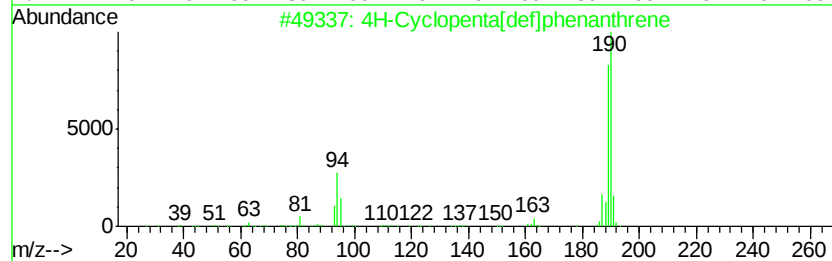
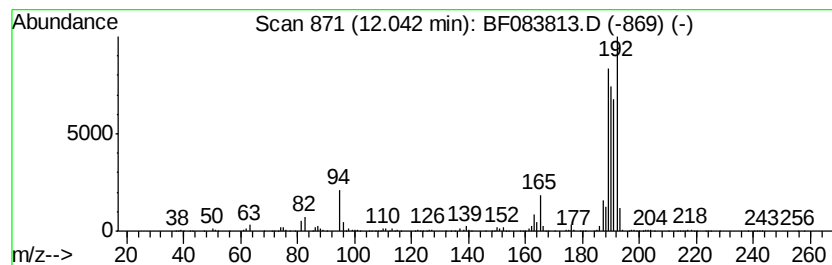
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	29.54 ng	1439630	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WC121015-SOIL-POPH

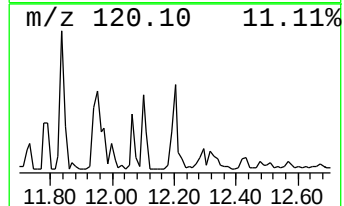
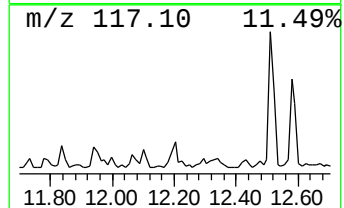
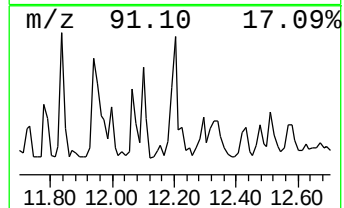
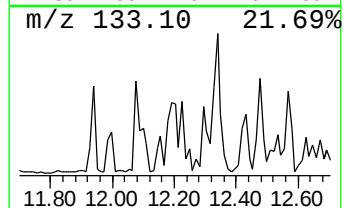
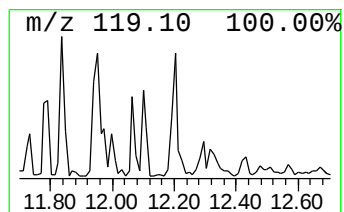
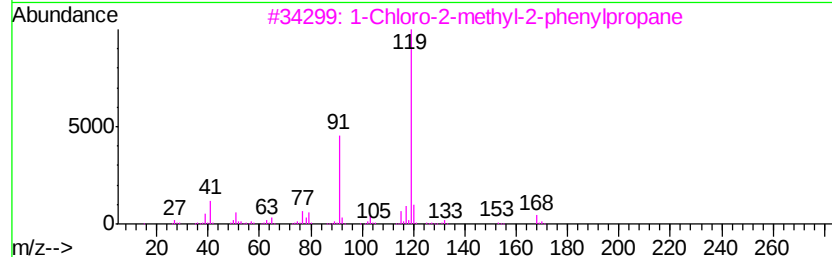
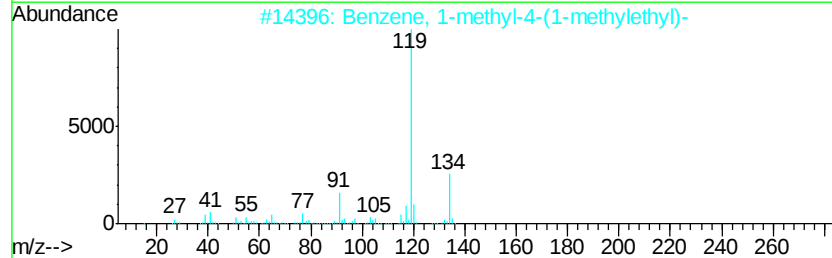
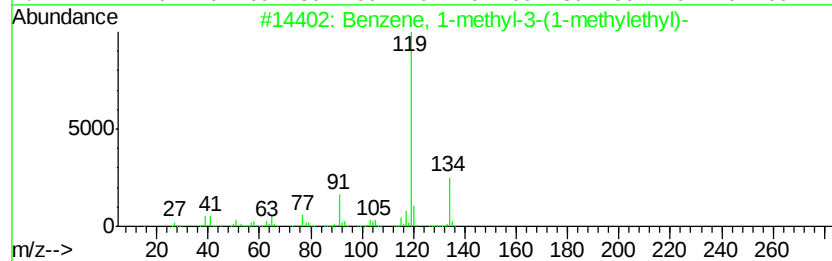
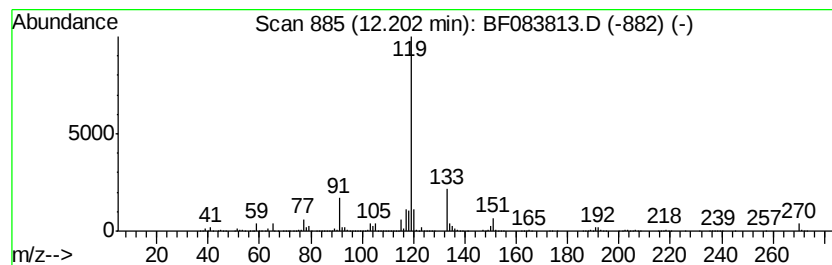
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	57.01 ng	2778160	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
2		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	58
3		1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	53
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
5		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

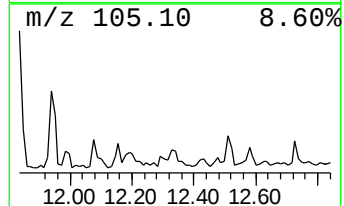
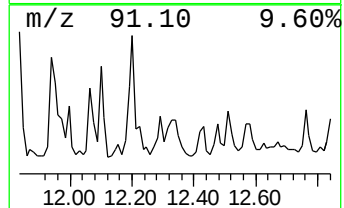
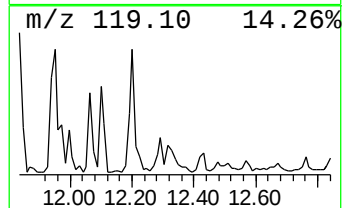
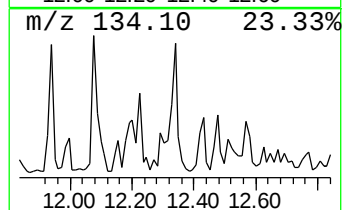
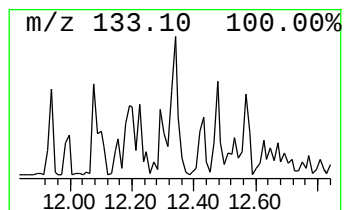
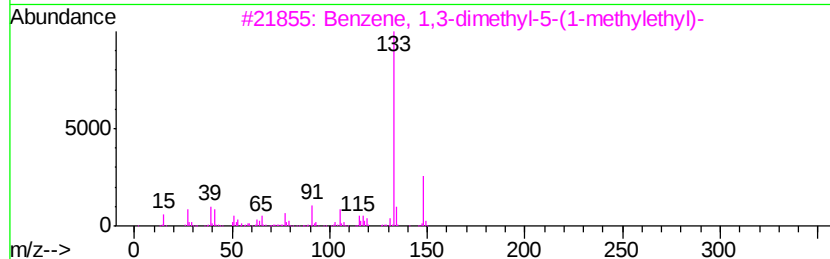
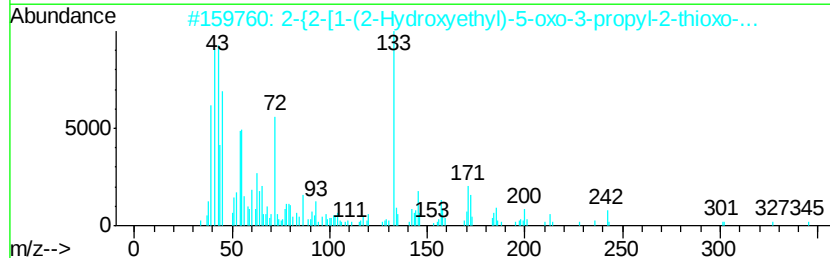
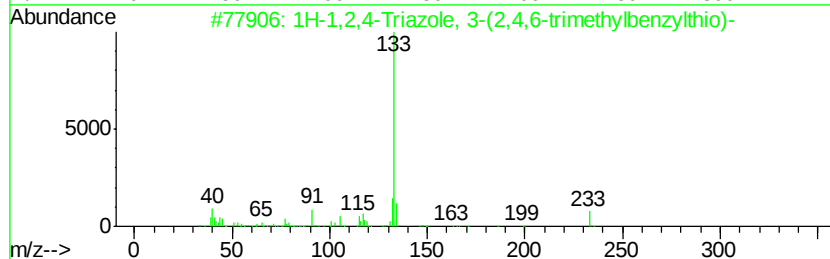
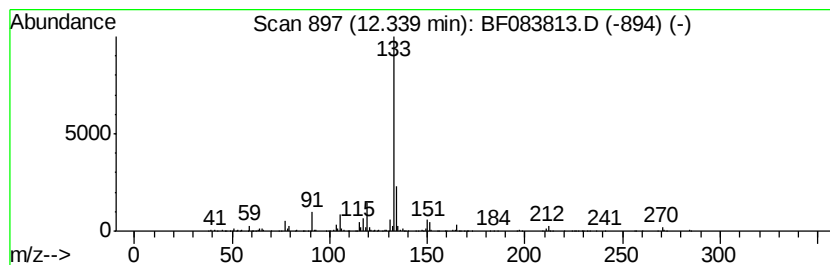
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1H-1,2,4-Triazole, 3-(2,4,6... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	32.85 ng	1600810	Phenanthrene-d10	11.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-1,2,4-Triazole, 3-(2,4,6-trim...	233 C12H15N3S	309920-46-5 59
2		2-{2-[1-(2-Hydroxyethyl)-5-oxo-3...	417 C20H23N3O5S	1000224-26-4 47
3		Benzene, 1,3-dimethyl-5-(1-methv...	148 C11H16	004706-90-5 45
4		Benzamide, 4-[5-(2,4,6-trimethyl...	353 C18H19N5OS	309735-33-9 45
5		2(5H)-Furanone, 3,4-dichloro-5-h...	168 C4H2Cl2O3	000766-40-5 43



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

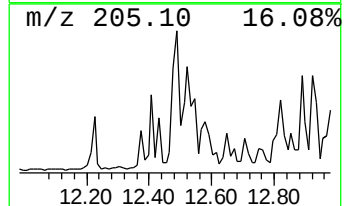
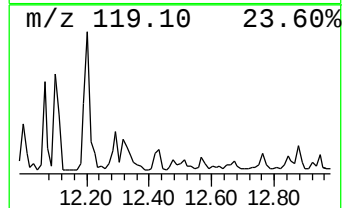
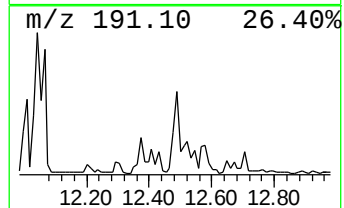
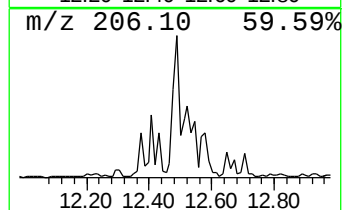
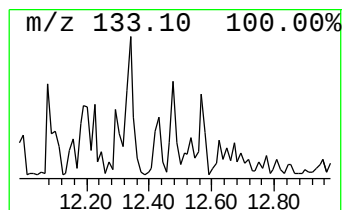
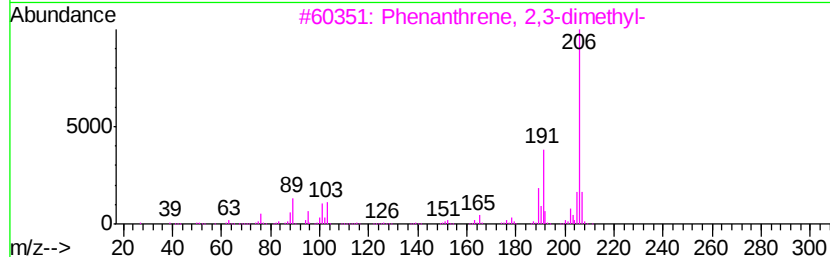
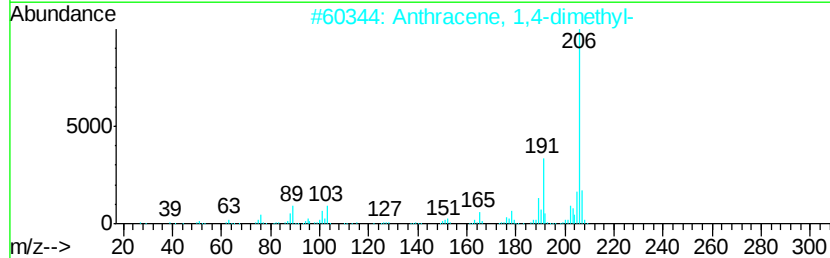
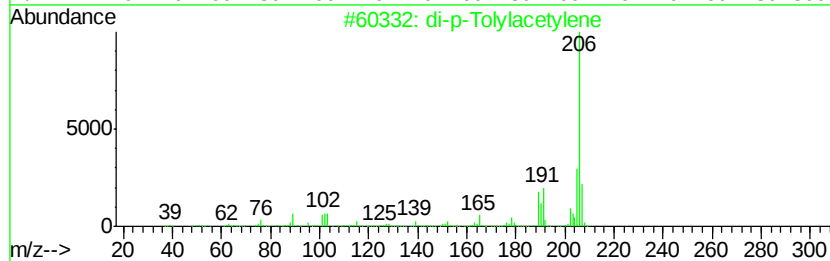
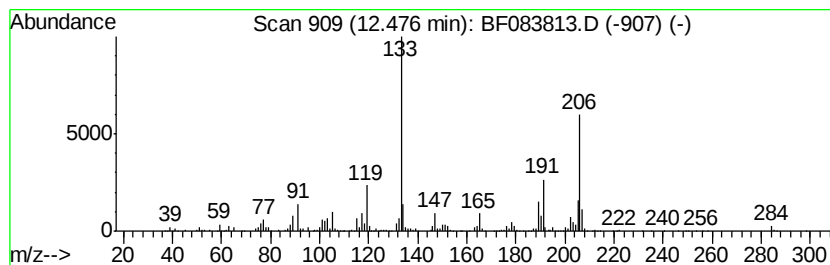
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	32.96 ng	1606080	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	56
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	50



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
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Operator : UM/IZ
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ALS Vial : 52 Sample Multiplier: 1

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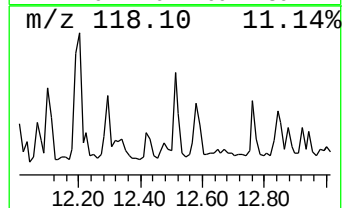
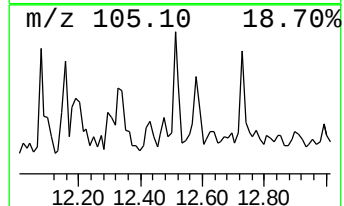
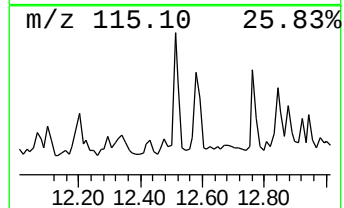
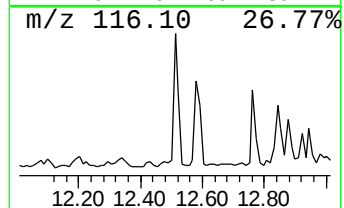
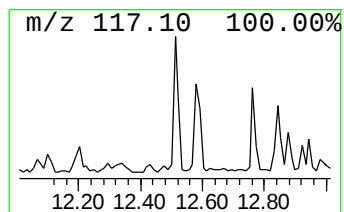
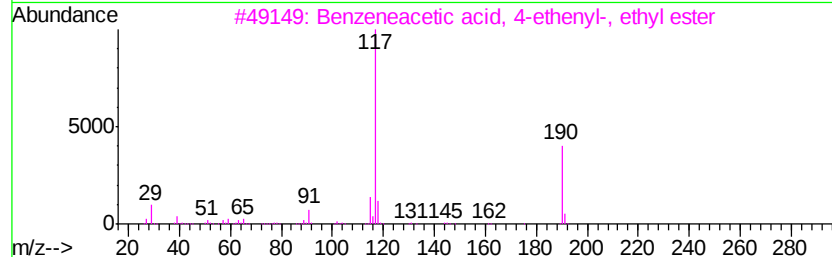
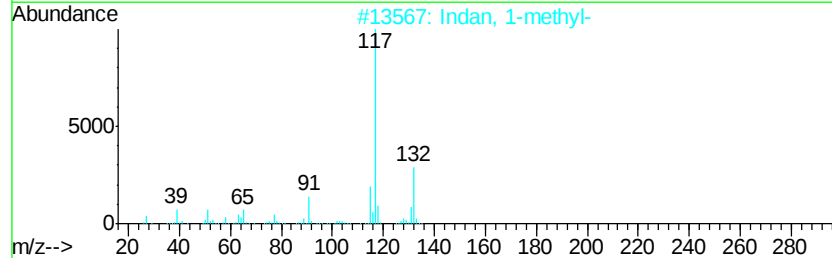
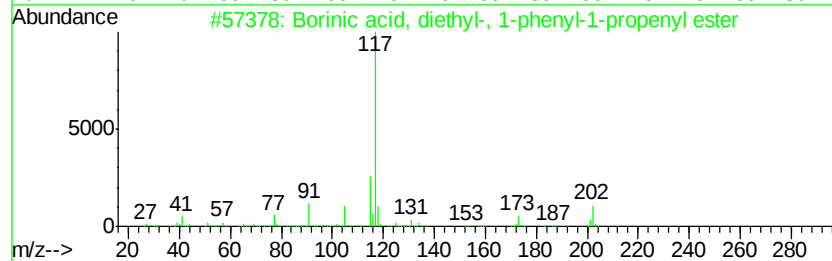
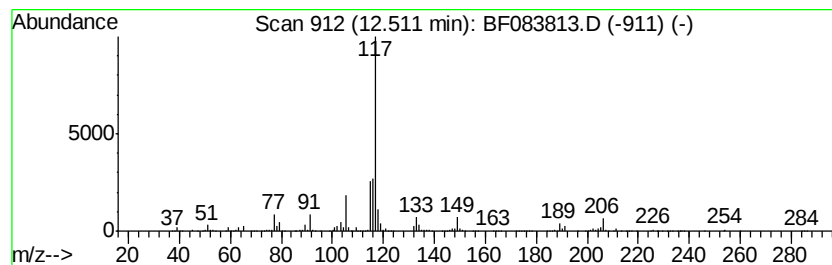
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Borinic acid, diethyl-, 1-p... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	40.41 ng	1969150	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Borinic acid, diethyl-, 1-phenyl...	202	C13H19B0	034602-33-0	59
2		Indan, 1-methyl-	132	C10H12	000767-58-8	53
3		Benzeneacetic acid, 4-ethenyl-, ...	190	C12H14O2	053162-12-2	47
4		1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	42
5		3-Penten-2-one, 5-phenyl-	160	C11H12O	010521-97-8	42



Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083813.D
Acq On : 15 Dec 2015 12:25
Operator : UM/IZ
Sample : G4760-01 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC121015-SOIL-POPH

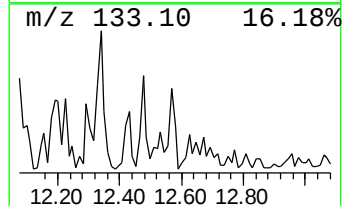
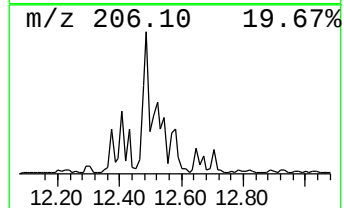
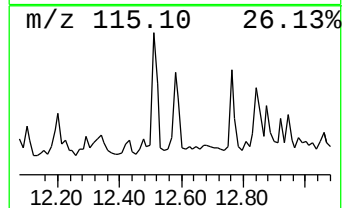
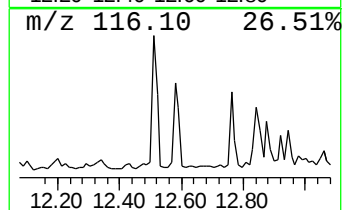
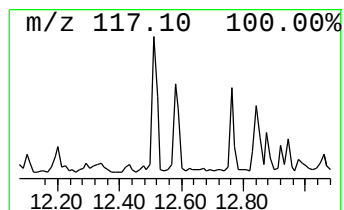
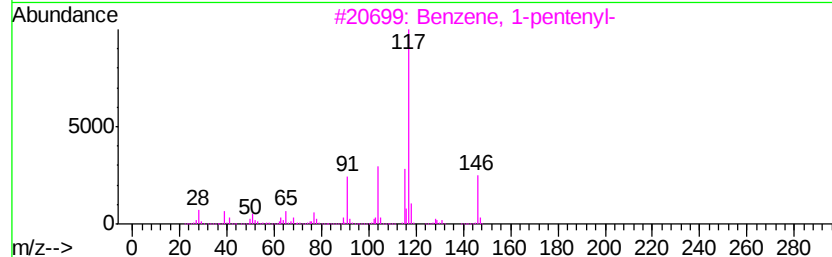
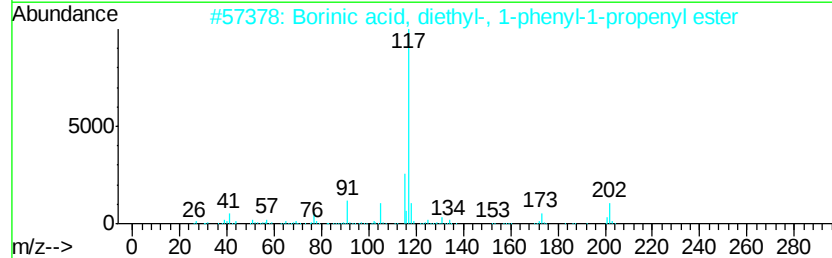
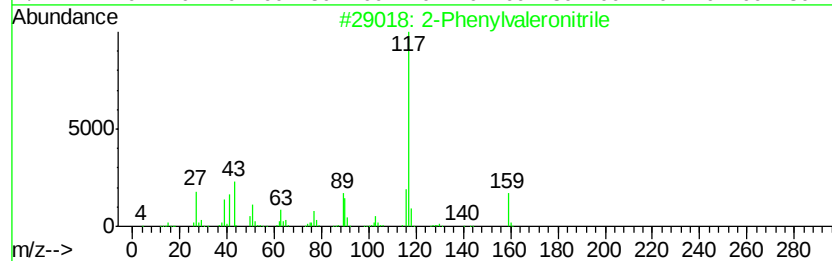
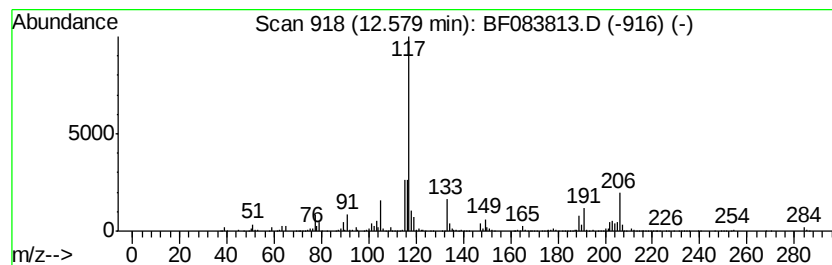
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown12.58 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	29.41 ng	1433100	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylvaleronitrile	159	C11H13N	005558-78-1	47
2		Borinic acid, diethyl-, 1-phenyl...	202	C13H19BO	034602-33-0	47
3		Benzene, 1-pentenyl-	146	C11H14	000826-18-6	47
4		Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	43
5		Indole	117	C8H7N	000120-72-9	43



Data Path : V:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083813.D
 Acq On : 15 Dec 2015 12:25
 Operator : UM/IZ
 Sample : G4760-01 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121015-SOIL-POPH

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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-etheny...	6.78	33.0	ng	1056450	1	6.90	640420	20.0
Indene	7.16	73.6	ng	2357230	1	6.90	640420	20.0
3,4-Dimethylthiop...	7.76	23.8	ng	1755440	2	8.19	1475370	20.0
1H-Indene, 3-methyl-	7.94	23.5	ng	1730240	2	8.19	1475370	20.0
Naphthalene, 1-me...	9.00	61.5	ng	4538730	2	8.19	1475370	20.0
unknown9.54	9.54	30.8	ng	1896530	3	9.94	1230640	20.0
Naphthalene, 1,7-...	9.72	38.6	ng	2372970	3	9.94	1230640	20.0
Ethane, 1-(9-bora...	11.36	29.6	ng	1443500	4	11.42	974562	20.0
Butyric acid, 3-m...	11.66	41.2	ng	2006110	4	11.42	974562	20.0
Chrysanthemumic a...	11.84	43.1	ng	2100530	4	11.42	974562	20.0
2,3-Dihydrobenzof...	11.95	97.2	ng	4738490	4	11.42	974562	20.0
4H-Cyclopenta[def...	12.04	29.5	ng	1439630	4	11.42	974562	20.0
Benzenepropanoic ...	12.06	31.3	ng	1527330	4	11.42	974562	20.0
Benzene, 1-methyl...	12.20	57.0	ng	2778160	4	11.42	974562	20.0
1H-1,2,4-Triazole...	12.34	32.9	ng	1600810	4	11.42	974562	20.0
di-p-Tolylacetylene	12.48	33.0	ng	1606080	4	11.42	974562	20.0
Borinic acid, die...	12.51	40.4	ng	1969150	4	11.42	974562	20.0
unknown12.58	12.58	29.4	ng	1433100	4	11.42	974562	20.0