

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
 Data File : BF082986.D
 Acq On : 18 Nov 2015 00:57
 Operator : UM/IZ
 Sample : G4407-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

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-BF110715.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	4.898	242	246	249	rBV	797802	972280	16.63%	1.550%
2	5.184	269	271	274	rVB	288874	309947	5.30%	0.494%
3	5.356	284	286	288	rBV	2363906	2296132	39.27%	3.661%
4	5.573	301	305	307	rBV	123016	126541	2.16%	0.202%
5	5.756	318	321	322	rBV	46867	61447	1.05%	0.098%
6	5.904	332	334	337	rVB2	80876	96913	1.66%	0.155%
7	6.396	375	377	379	rBV	1686924	1396113	23.88%	2.226%
8	6.441	379	381	382	rVV	295000	351288	6.01%	0.560%
9	6.521	385	388	390	rBV	4153414	3749657	64.13%	5.978%
10	6.579	390	393	395	rVB2	41085	63375	1.08%	0.101%
11	6.750	406	408	410	rVB	1222470	999828	17.10%	1.594%
12	6.876	417	419	420	rBV	561082	591514	10.12%	0.943%
13	6.910	420	422	424	rVB	4252482	3648126	62.39%	5.816%
14	7.013	429	431	433	rVV	205443	176378	3.02%	0.281%
15	7.150	441	443	445	rBV2	60792	82253	1.41%	0.131%
16	7.322	455	458	460	rBV	3353294	3834418	65.58%	6.113%
17	7.402	463	465	467	rVB2	68912	103576	1.77%	0.165%
18	7.459	467	470	474	rVB	169771	194233	3.32%	0.310%
19	7.539	474	477	478	rBV	51126	77178	1.32%	0.123%
20	7.619	482	484	488	rBV3	68671	96930	1.66%	0.155%
21	7.699	488	491	492	rBV	61194	75932	1.30%	0.121%
22	7.790	495	499	504	rBV2	423261	889695	15.22%	1.418%
23	7.916	504	510	512	rVV	357495	746002	12.76%	1.189%
24	8.042	518	521	522	rBV2	1309219	1502024	25.69%	2.395%
25	8.064	522	523	525	rVB2	78314	64583	1.10%	0.103%
26	8.110	525	527	531	rVB	238995	251808	4.31%	0.401%
27	8.202	533	535	539	rBV	95353	258754	4.43%	0.413%
28	8.282	541	542	547	rVB3	74962	105507	1.80%	0.168%
29	8.362	547	549	550	rBV2	46363	70506	1.21%	0.112%
30	8.510	560	562	564	rBV3	98369	171084	2.93%	0.273%
31	8.544	564	565	567	rVV	105495	103211	1.77%	0.165%
32	8.579	567	568	569	rVB	140631	96403	1.65%	0.154%
33	8.602	569	570	574	rVB2	44131	63836	1.09%	0.102%
34	8.705	577	579	581	rVB	442894	365726	6.25%	0.583%

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35	8.762	581	584	586	rBV4	49090	89319	1.53%	0.142%
36	8.819	586	589	593	rVB2	624134	1068058	18.27%	1.703%
37	8.887	593	595	597	rBV	361075	377621	6.46%	0.602%
38	8.933	597	599	600	rBV	78589	67651	1.16%	0.108%
39	9.025	604	607	610	rVB3	194940	360225	6.16%	0.574%
40	9.116	612	615	618	rBV	4367753	5265016	90.04%	8.394%
41	9.287	628	630	632	rVV2	467603	713660	12.21%	1.138%
42	9.322	632	633	635	rVV	372039	347539	5.94%	0.554%
43	9.379	635	638	640	rVV	242886	240493	4.11%	0.383%
44	9.413	640	641	643	rVV2	127863	148165	2.53%	0.236%
45	9.493	646	648	651	rVV3	146036	271071	4.64%	0.432%
46	9.585	652	656	658	rVV2	287537	576420	9.86%	0.919%
47	9.653	659	662	664	rBV2	609168	738767	12.63%	1.178%
48	9.790	672	674	675	rBV	1499649	1288305	22.03%	2.054%
49	9.825	675	677	679	rVB	1646484	1462846	25.02%	2.332%
50	9.939	685	687	689	rBV	594746	635163	10.86%	1.013%
51	9.996	689	692	694	rVB2	298145	359943	6.16%	0.574%
52	10.030	694	695	699	rVB5	81647	136985	2.34%	0.218%
53	10.110	699	702	704	rBV3	137949	150384	2.57%	0.240%
54	10.213	708	711	715	rBV5	158750	320339	5.48%	0.511%
55	10.305	715	719	720	rBV2	172476	246761	4.22%	0.393%
56	10.339	720	722	724	rVB3	69902	117463	2.01%	0.187%
57	10.419	724	729	730	rBV3	102908	255229	4.36%	0.407%
58	10.465	730	733	734	rBV2	154770	199889	3.42%	0.319%
59	10.499	734	736	738	rVB2	141519	170591	2.92%	0.272%
60	10.545	738	740	741	rBV	110988	136354	2.33%	0.217%
61	10.579	741	743	745	rVB	3235993	3498960	59.84%	5.578%
62	10.625	745	747	750	rVB4	72981	117560	2.01%	0.187%
63	10.705	750	754	756	rBV2	1948582	2699714	46.17%	4.304%
64	10.739	756	757	759	rVV	210117	344655	5.89%	0.549%
65	10.773	759	760	762	rVB	415902	296080	5.06%	0.472%
66	10.865	764	768	773	rVB3	116582	326721	5.59%	0.521%
67	10.968	775	777	779	rVB	211432	189131	3.23%	0.302%
68	11.059	781	785	786	rBV2	197896	326498	5.58%	0.521%
69	11.093	786	788	790	rVB2	162305	249494	4.27%	0.398%
70	11.128	790	791	792	rBV	114272	110033	1.88%	0.175%
71	11.162	792	794	796	rVB2	157012	189761	3.25%	0.303%

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72	11.208	796	798	800	rVB	356092	395822	6.77%	0.631%
73	11.276	801	804	806	rVB	1012267	1323516	22.64%	2.110%
74	11.390	811	814	815	rVB2	89014	118001	2.02%	0.188%
75	11.436	815	818	821	rVB4	39095	87525	1.50%	0.140%
76	11.493	821	823	824	rVB	54538	62641	1.07%	0.100%
77	11.539	824	827	828	rBV2	161784	146422	2.50%	0.233%
78	11.596	828	832	836	rBV4	113876	292398	5.00%	0.466%
79	11.665	836	838	842	rVB3	158771	249665	4.27%	0.398%
80	11.733	842	844	845	rBV2	91543	152149	2.60%	0.243%
81	11.768	845	847	849	rVB3	65376	121790	2.08%	0.194%
82	11.882	855	857	860	rBV2	604416	632061	10.81%	1.008%
83	11.962	862	864	867	rVV4	37427	64514	1.10%	0.103%
84	12.065	871	873	877	rVV	154039	225643	3.86%	0.360%
85	12.133	877	879	883	rVB4	84333	182783	3.13%	0.291%
86	12.236	885	888	890	rVV4	37751	79416	1.36%	0.127%
87	12.316	892	895	897	rBV3	84210	129925	2.22%	0.207%
88	12.396	900	902	905	rVV	183594	232179	3.97%	0.370%
89	12.476	907	909	911	rVV	525460	461909	7.90%	0.736%
90	12.522	911	913	916	rVV4	39614	79759	1.36%	0.127%
91	12.625	919	922	925	rVB	45430	67549	1.16%	0.108%
92	12.705	926	929	931	rVB	569159	554034	9.48%	0.883%
93	12.785	934	936	940	rBV	114376	113609	1.94%	0.181%
94	12.865	940	943	945	rVB	5389409	5847171	100.00%	9.322%
95	13.036	954	958	959	rVB2	46769	84371	1.44%	0.135%
96	13.139	965	967	969	rVB	67270	85160	1.46%	0.136%
97	13.208	972	973	977	rBV3	48450	107066	1.83%	0.171%
98	13.905	1031	1034	1036	rBV	1174676	1529542	26.16%	2.439%
99	14.762	1107	1109	1111	rBV	87975	112922	1.93%	0.180%
100	15.299	1153	1156	1158	rBV	805994	1098248	18.78%	1.751%

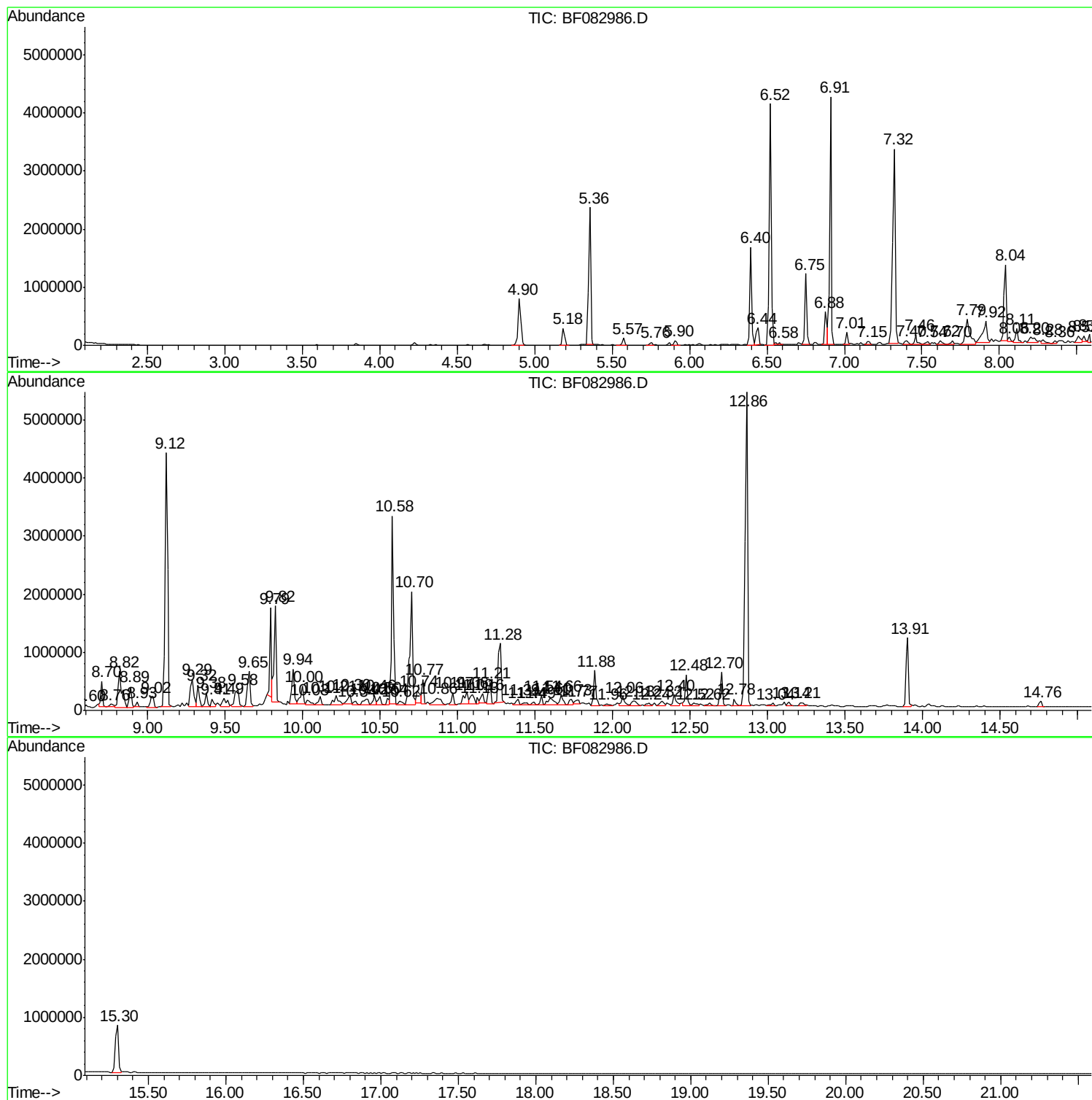
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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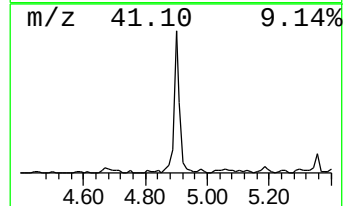
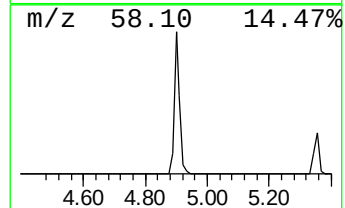
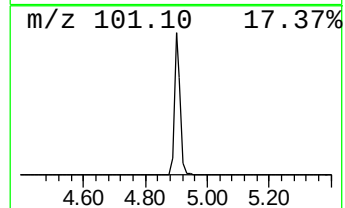
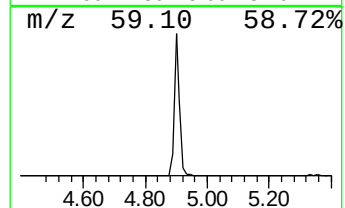
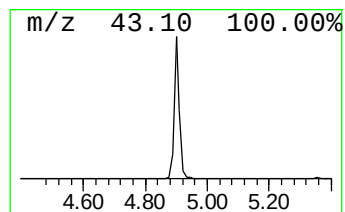
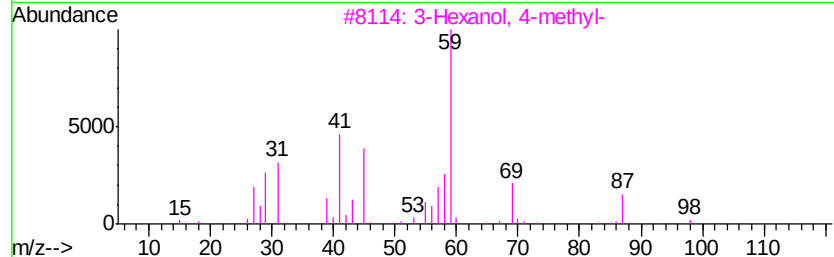
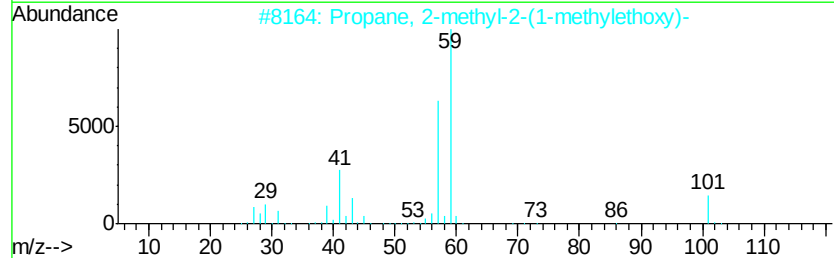
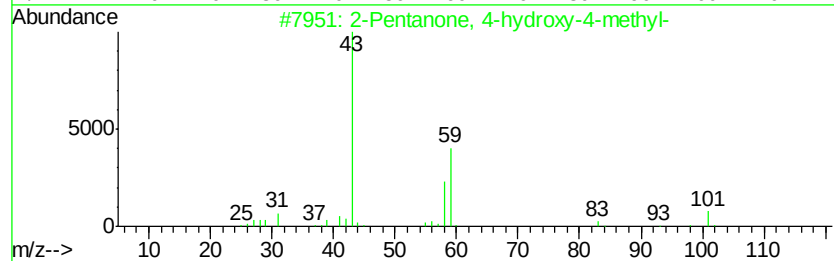
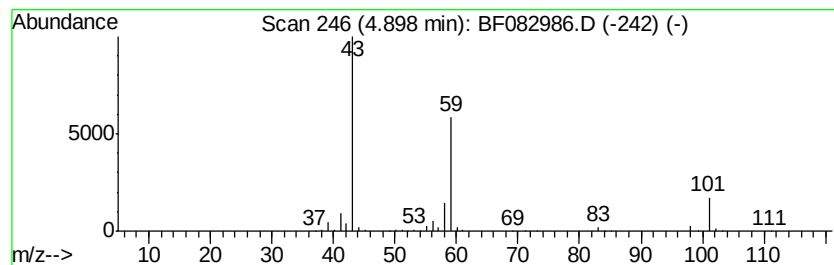
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	19.45 ng	972280	1,4-Dichlorobenzene-d4	6.75

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36	
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25	



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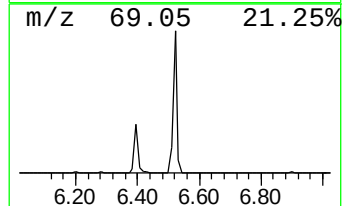
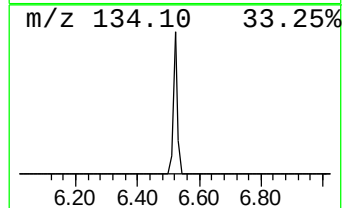
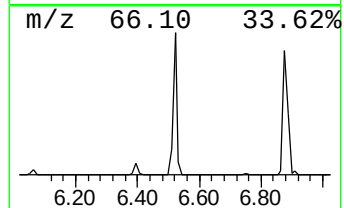
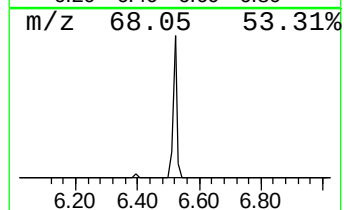
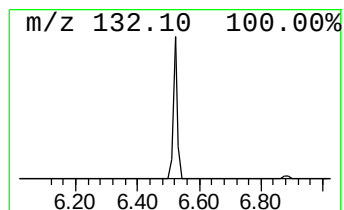
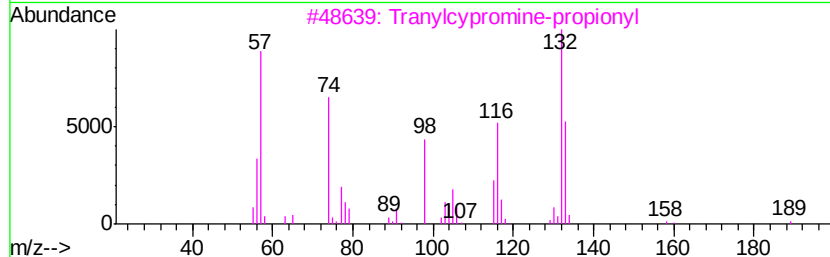
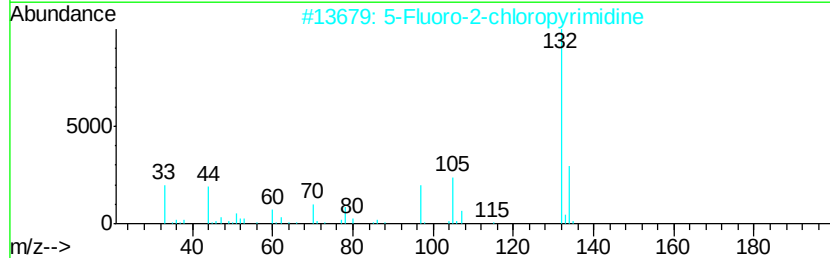
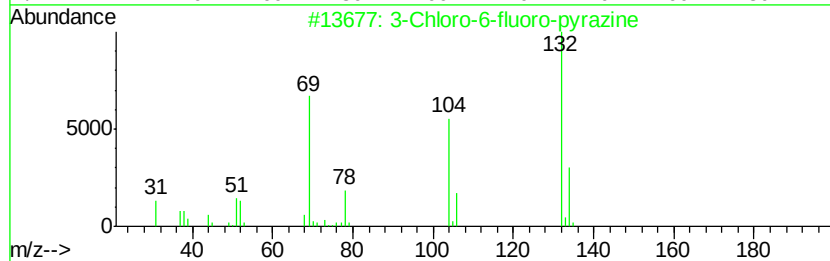
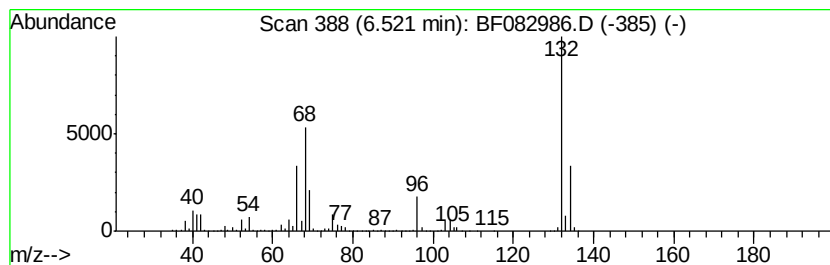
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	75.01 ng	3749660	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10



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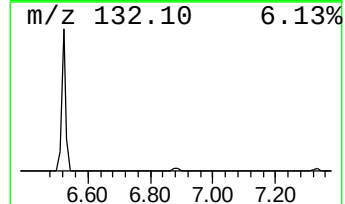
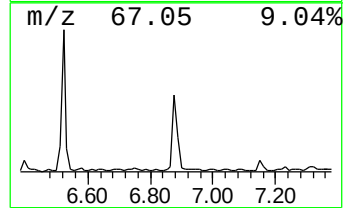
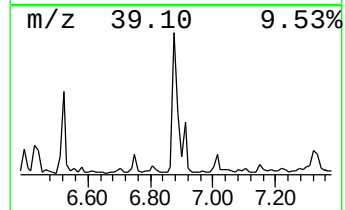
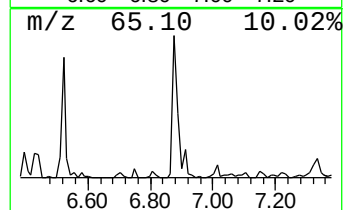
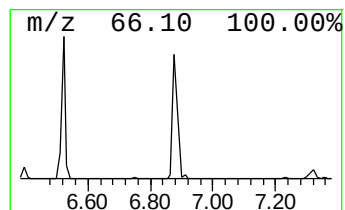
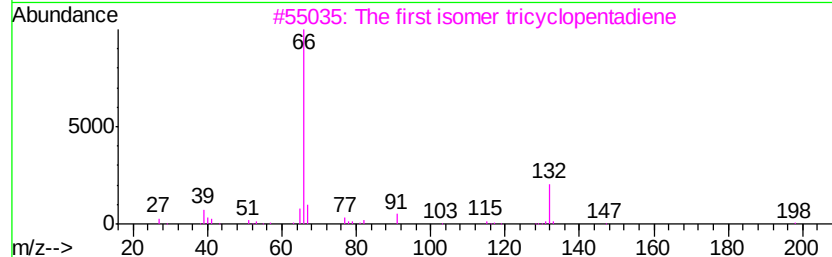
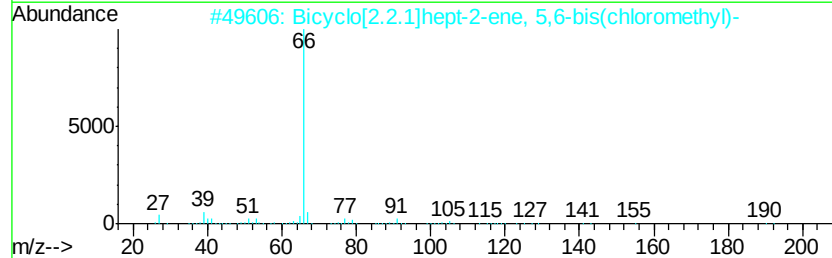
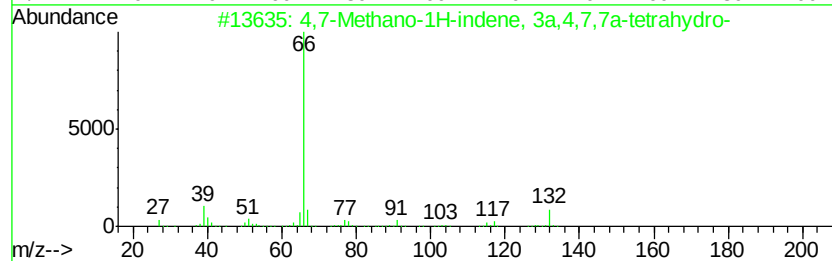
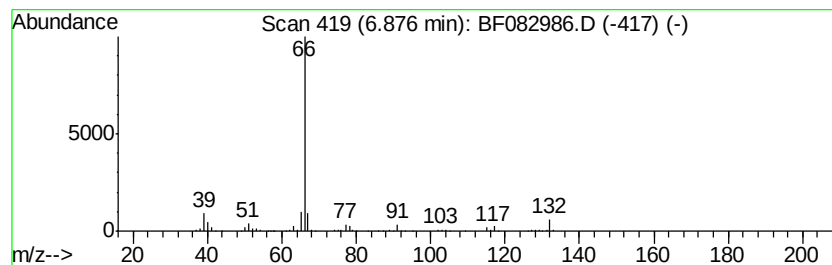
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Peak Number 4 4,7-Methano-1H-indene, 3a,4... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	11.83 ng	591514	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	91
2		Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	83
3		The first isomer tricyclopentadiene	198	C15H18	1000222-21-0	83
4		1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	78
5		5-Ethyl bicyclo[2.2.1]-2-heptene	122	C9H14	015403-89-1	74



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Acq On : 18 Nov 2015 00:57
Operator : UM/IZ
Sample : G4407-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

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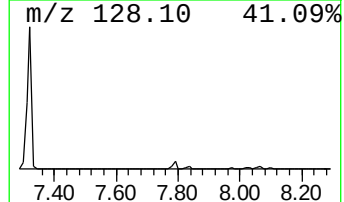
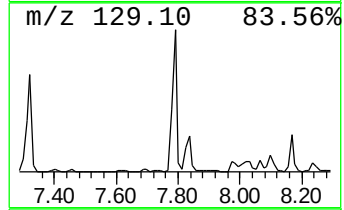
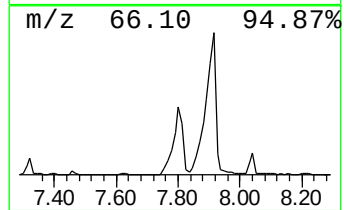
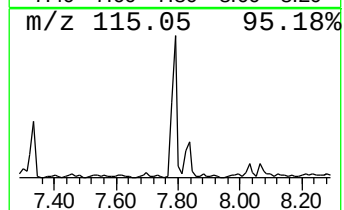
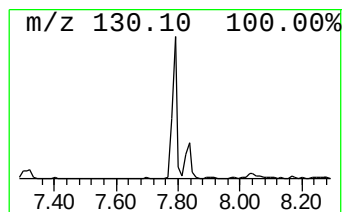
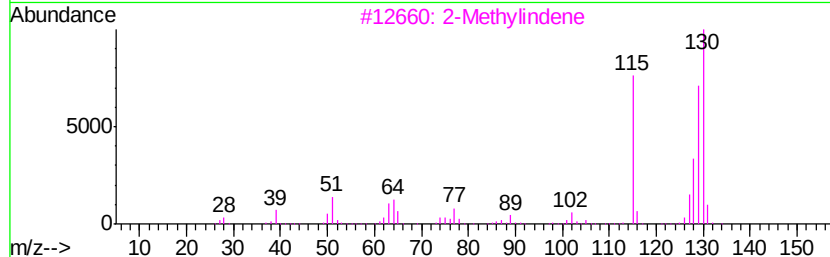
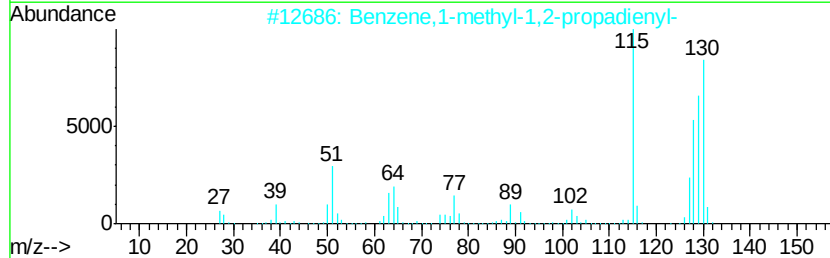
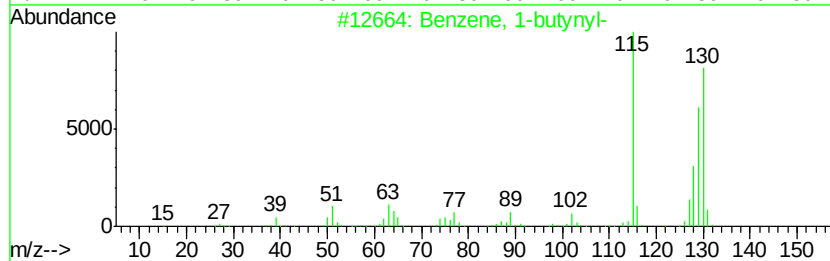
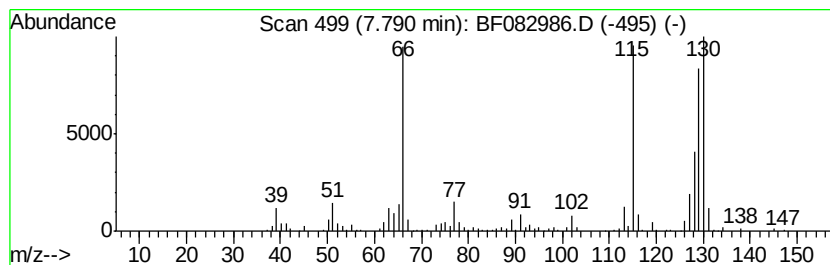
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1-butynyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	11.85 ng	889695	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	86
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	81
3		2-Methylindene	130	C10H10	002177-47-1	80
4		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	59
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	56



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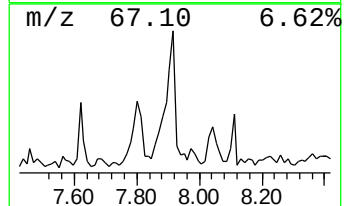
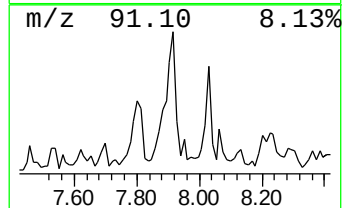
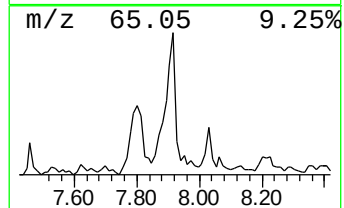
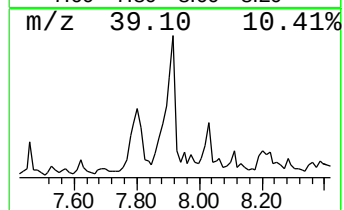
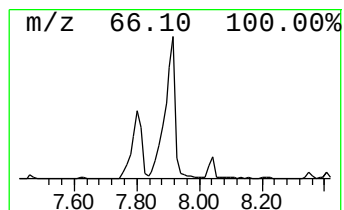
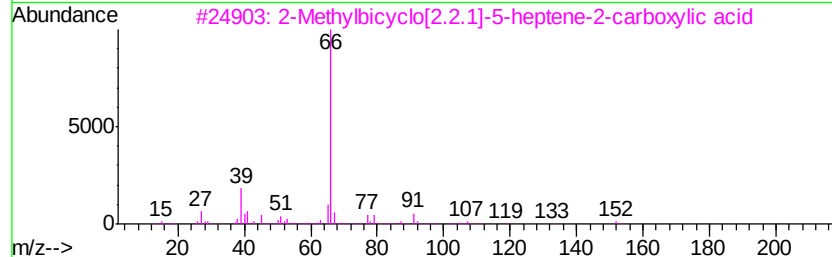
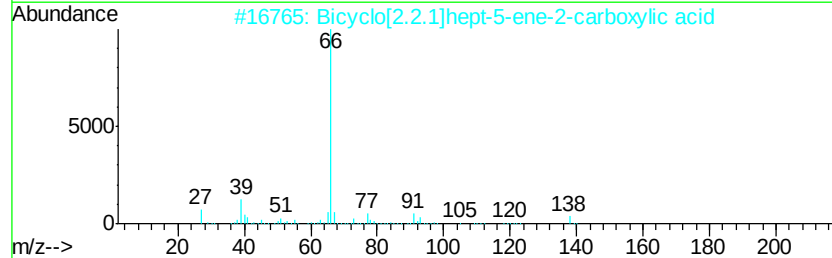
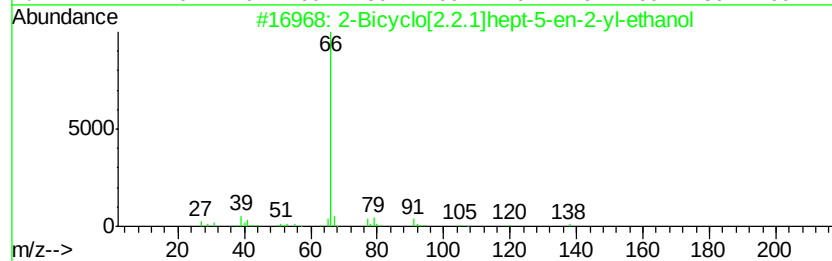
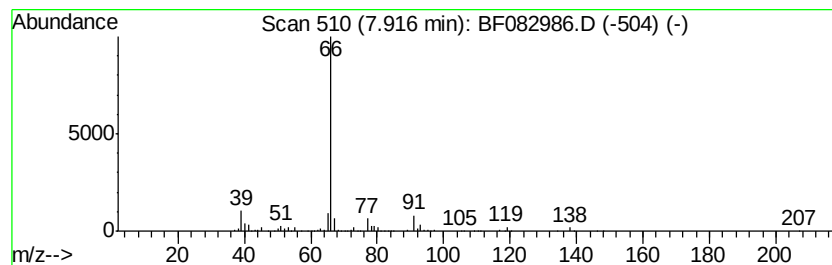
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Bicyclo[2.2.1]hept-5-en-2... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	9.93 ng	746002	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bicyclo[2.2.1]hept-5-en-2-yl-e...	138	C9H14O	013080-91-6	91
2		Bicyclo[2.2.1]hept-5-ene-2-carbo...	138	C8H10O2	000120-74-1	83
3		2-Methylbicyclo[2.2.1]-5-heptene...	152	C9H12O2	000825-03-6	83
4		Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	83
5		4,7-Methanoindan-2-one, 3a,4,7,7...	148	C10H12O	091060-78-5	83



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Operator : UM/IZ
Sample : G4407-05
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Instrument :
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ClientSampleId :
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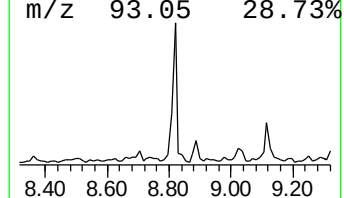
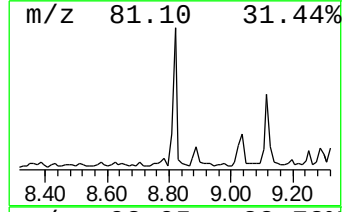
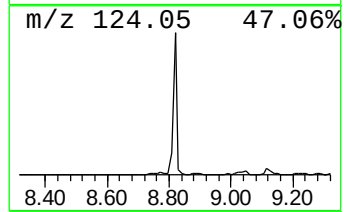
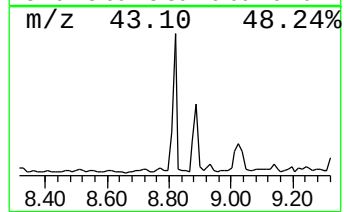
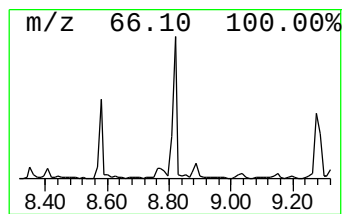
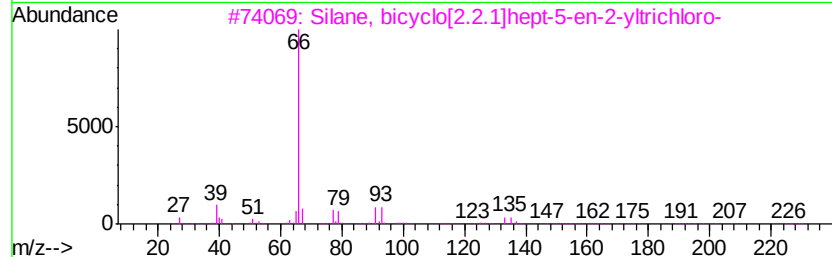
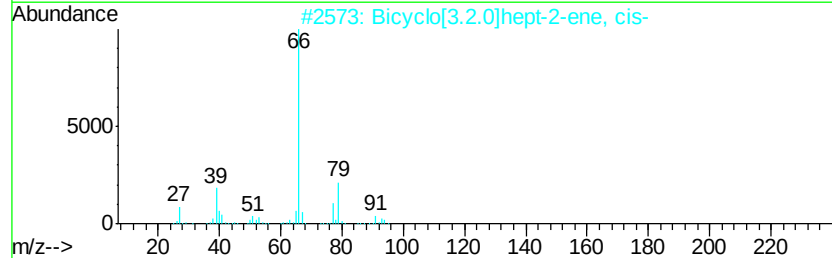
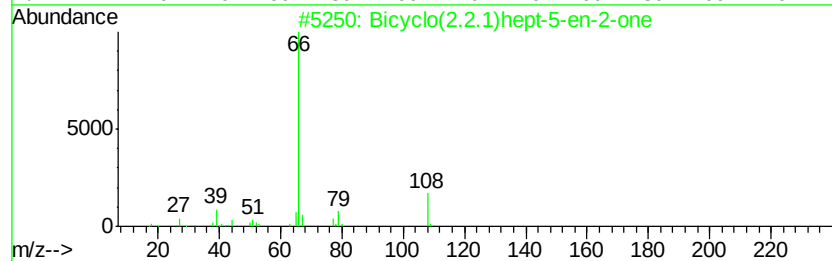
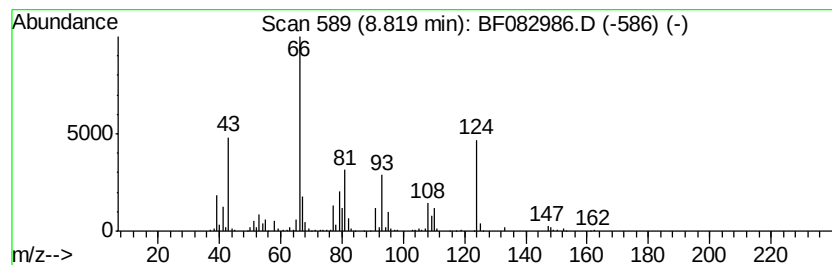
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Bicyclo(2.2.1)hept-5-en-2-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	14.22 ng	1068060	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo(2.2.1)hept-5-en-2-one	108	C7H8O	000694-98-4	64
2		Bicyclo[3.2.0]hept-2-ene, cis-	94	C7H10	1000155-54-0	64
3		Silane, bicyclo[2.2.1]hept-5-en-...	226	C7H9Cl3Si	014319-64-3	59
4		5-Dodecylbicyclo(2.2.1)-2-heptene	262	C19H34	022094-86-6	59
5		1H-Indene, 3a,4,7,7a-tetrahydro-	120	C9H12	003048-65-5	59



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Acq On : 18 Nov 2015 00:57
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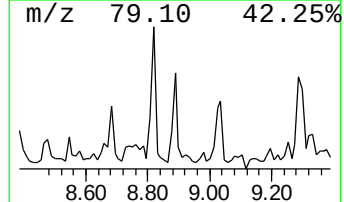
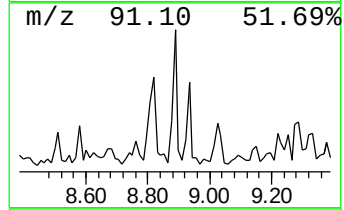
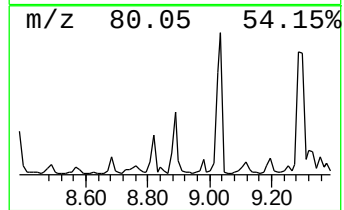
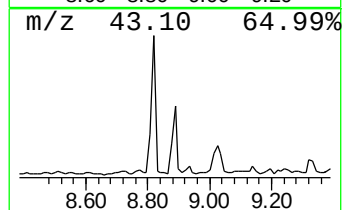
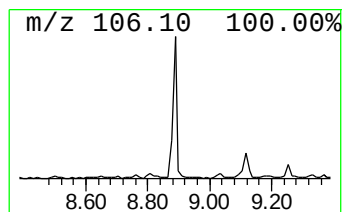
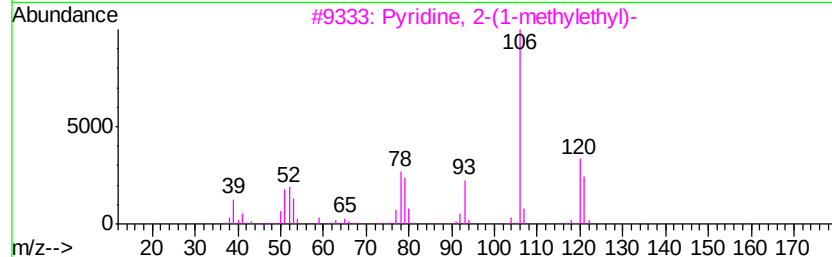
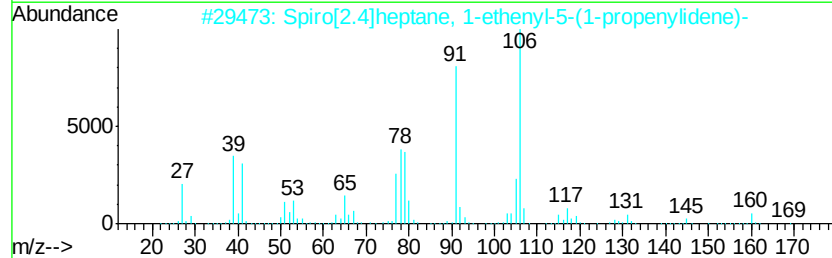
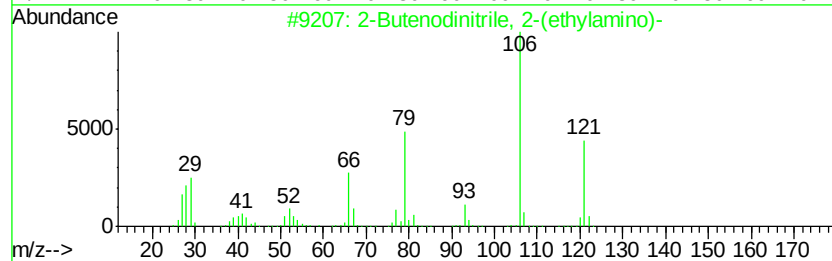
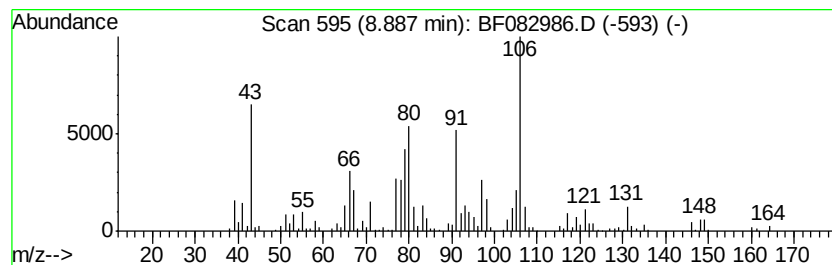
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Butenodinitrile, 2-(ethyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	5.03 ng	377621	Naphthalene-d8	8.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Butenodinitrile, 2-(ethylamino)-	121 C6H7N3	1000196-59-7	50
2	Spiro[2.4]heptane, 1-ethenyl-5-(...	160 C12H16	074793-03-6	37
3	Pyridine, 2-(1-methylethyl)-	121 C8H11N	000644-98-4	35
4	Pyridine, 3-ethyl-5-methyl-	121 C8H11N	003999-78-8	30
5	(R)-(-)-2-Phenylglycine	151 C8H9NO2	000875-74-1	27



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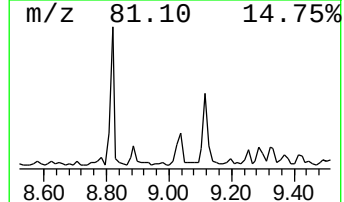
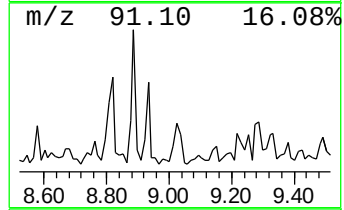
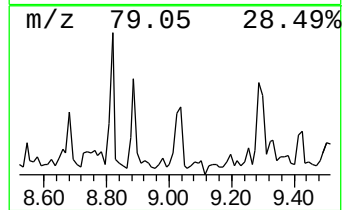
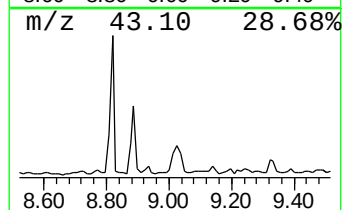
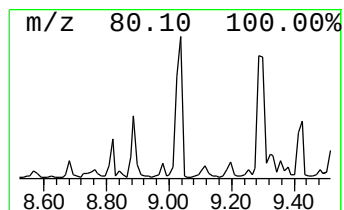
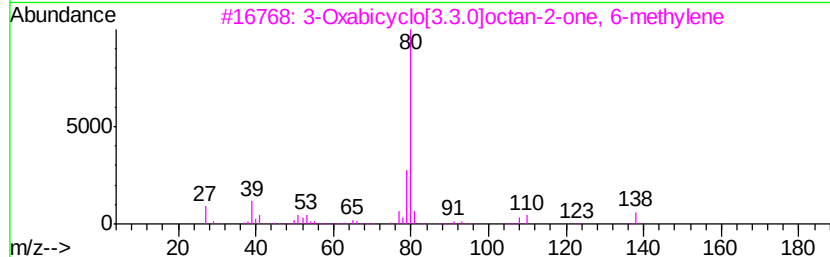
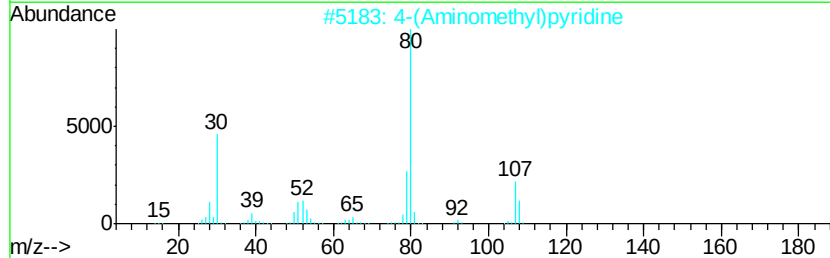
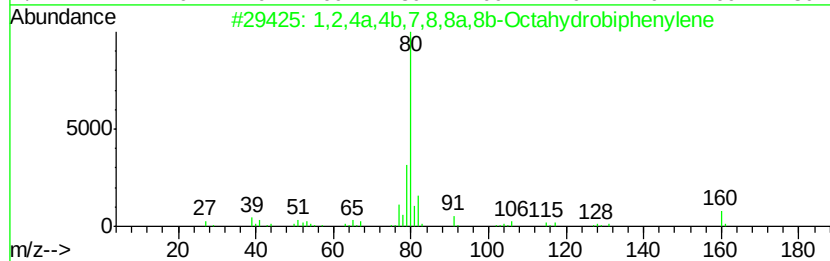
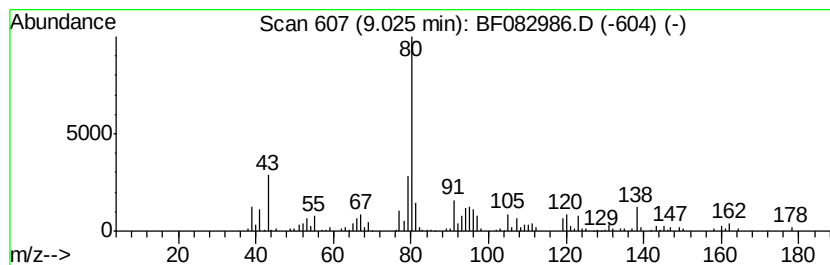
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 10 1,2,4a,4b,7,8,8a,8b-Octahyd... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	5.59 ng	360225	Acenaphthene-d10	9.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4a,4b,7,8,8a,8b-Octahydrobip...	160	C12H16	062357-80-6	80		
2	4-(Aminomethyl)pyridine	108	C6H8N2	003731-53-1	72		
3	3-Oxabicyclo[3.3.0]octan-2-one, ...	138	C8H10O2	1000152-82-0	72		
4	Bicyclo[2.2.2]oct-5-ene-2,3-dica...	158	C10H10N2	062249-52-9	72		
5	Bicyclo[2.2.2]oct-2-ene	108	C8H12	000931-64-6	72		



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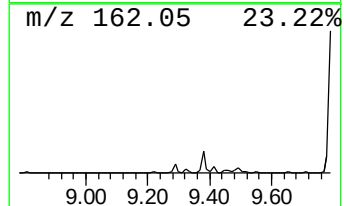
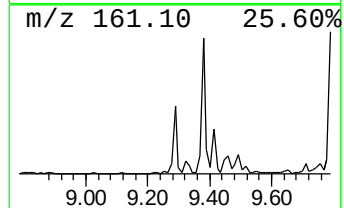
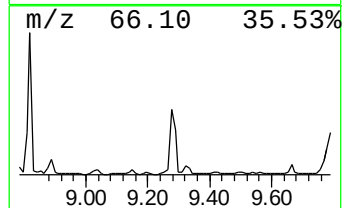
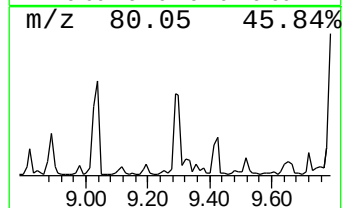
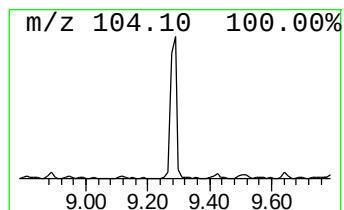
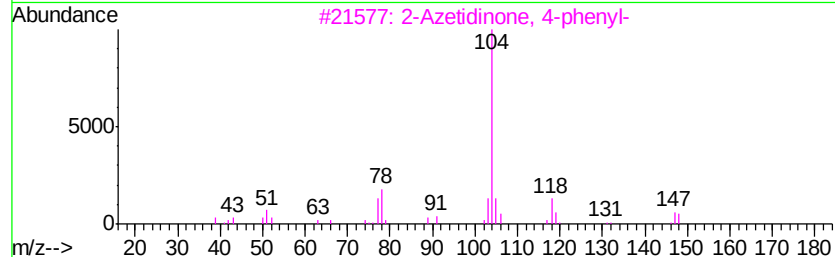
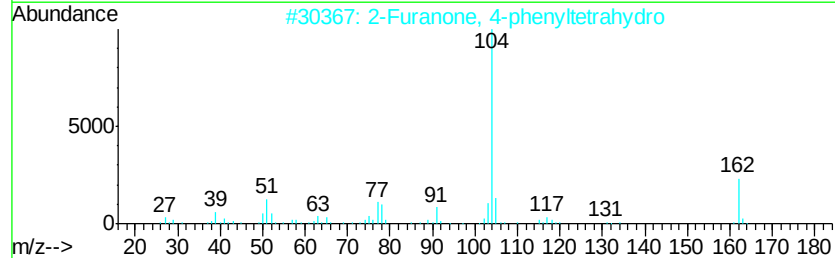
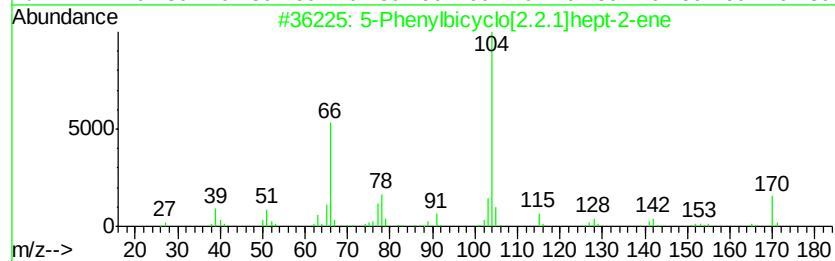
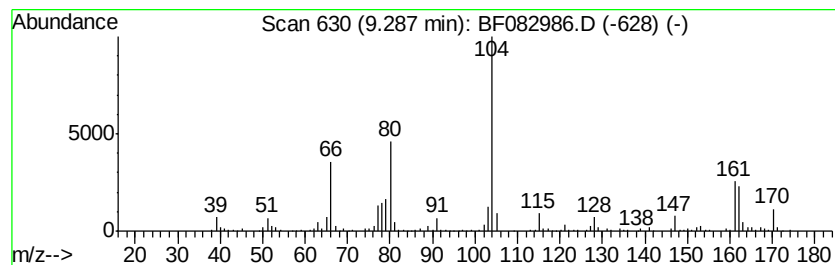
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	11.08 ng	713660	Acenaphthene-d10	9.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Phenylbicyclo[2.2.1]hept-2-ene	170	C13H14	006143-30-2	64
2			2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	38
3			2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	25
4			Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	22
5			Sydnone, 3-phenyl-	162	C8H6N2O2	000120-06-9	16



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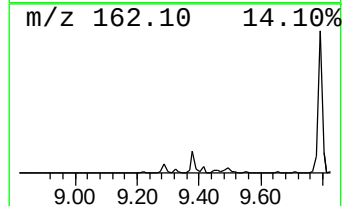
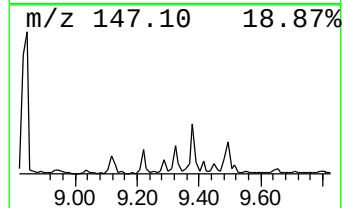
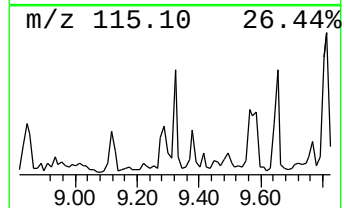
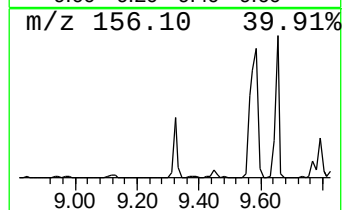
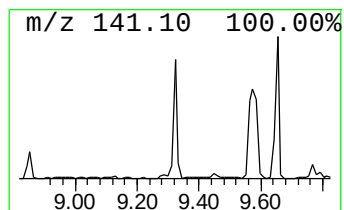
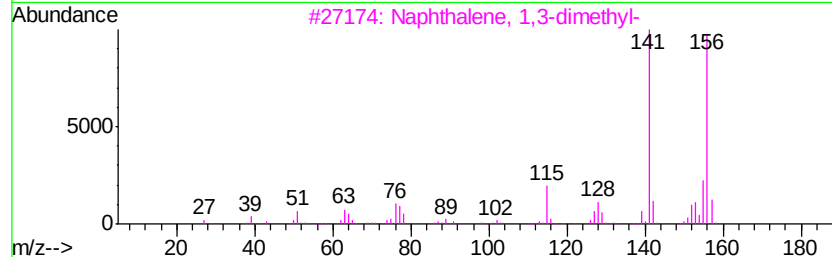
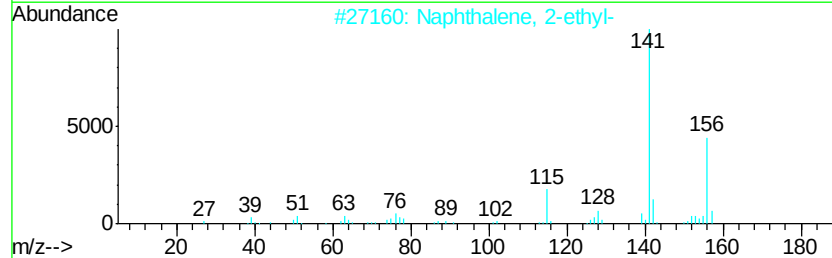
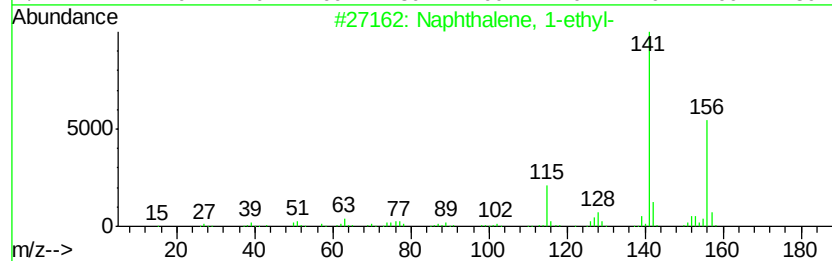
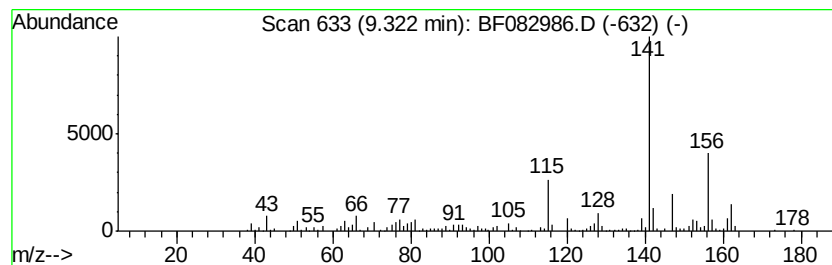
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	5.40 ng	347539	Acenaphthene-d10	9.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	74
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	72
5			Ethanone, 1-(2,6-difluorophenyl)-	156	C8H6F2O	013670-99-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082986.D
Acq On : 18 Nov 2015 00:57
Operator : UM/IZ
Sample : G4407-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-14

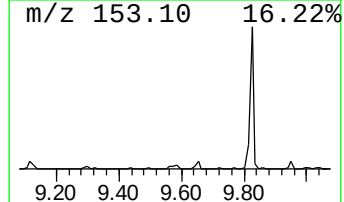
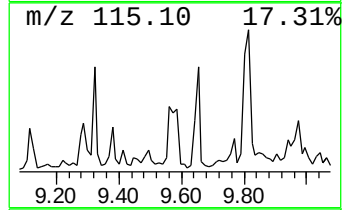
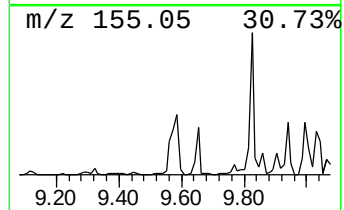
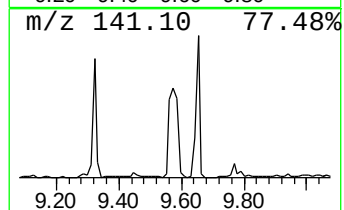
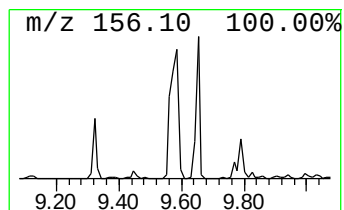
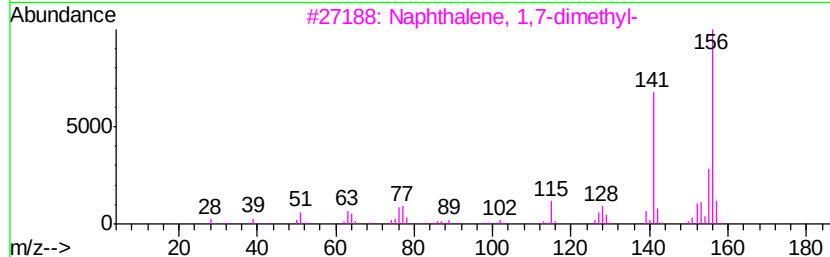
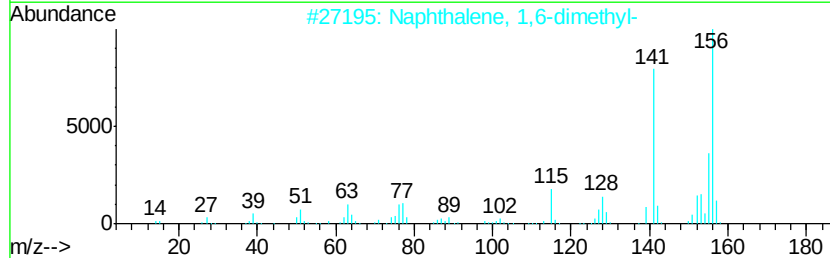
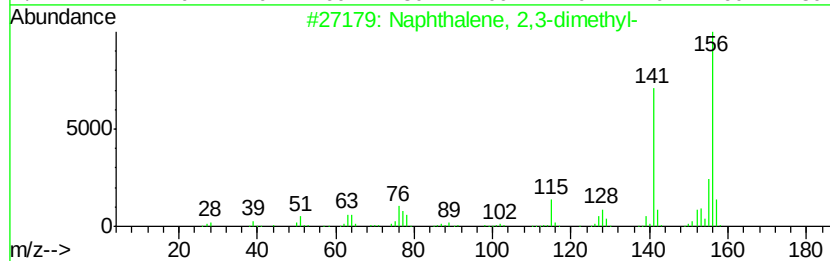
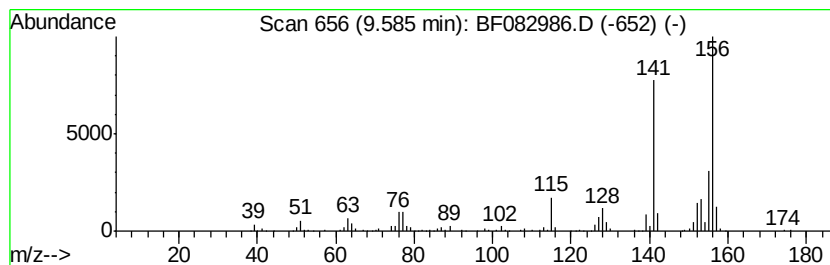
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	8.95 ng	576420	Acenaphthene-d10	9.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
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ClientSampleId :
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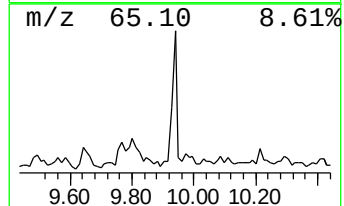
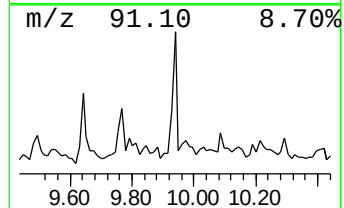
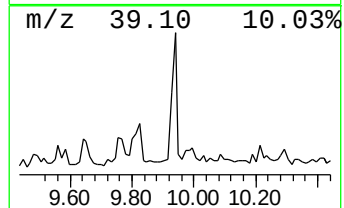
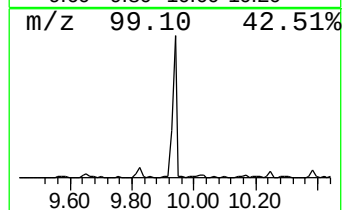
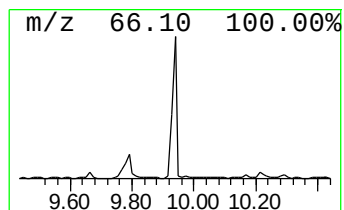
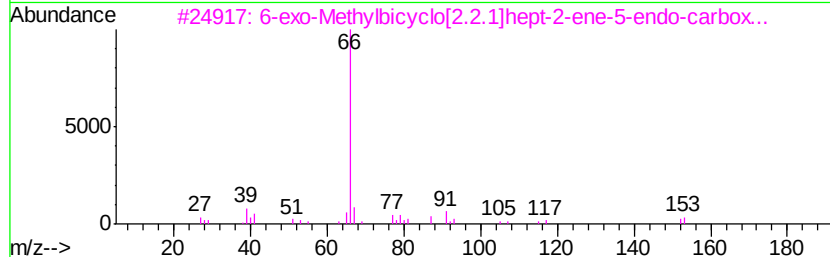
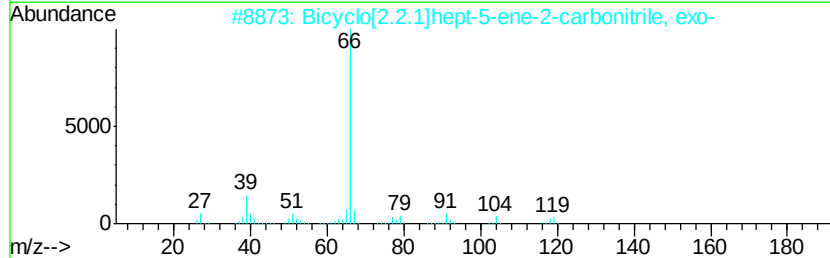
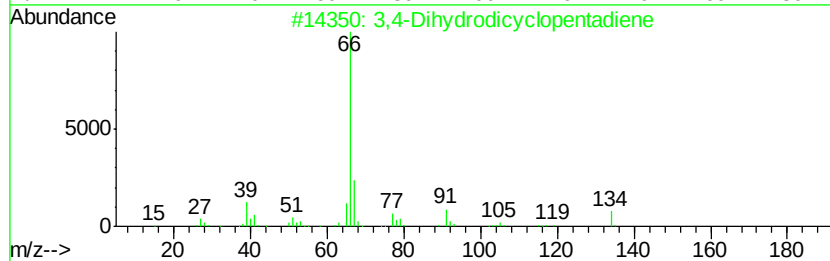
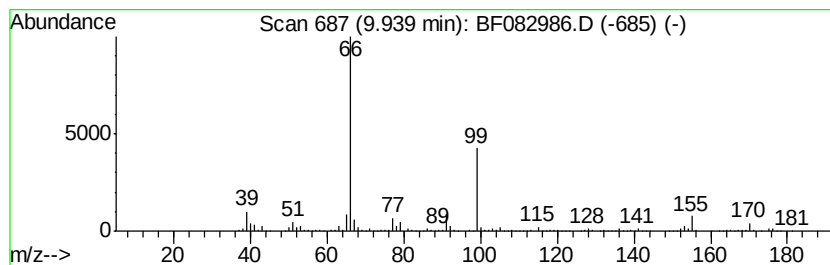
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 3,4-Dihydrodicyclopentadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	9.86 ng	635163	Acenaphthene-d10	9.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dihydrodicyclopentadiene	134	C10H14	1000113-53-5	72
2			Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	002890-96-2	72
3			6-exo-Methylbicyclo[2.2.1]hept-2...	152	C9H12O2	004397-23-3	72
4			2-Methylbicyclo[2.2.1]-5-heptene...	152	C9H12O2	000825-03-6	72
5			Bicyclo(2.2.1)hept-5-en-2-one	108	C7H8O	000694-98-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
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Acq On : 18 Nov 2015 00:57
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Misc :
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ClientSampleId :
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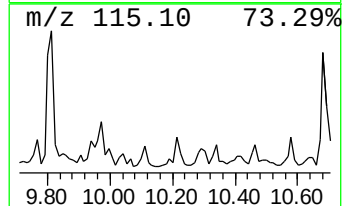
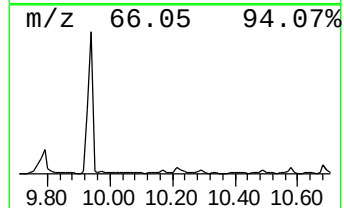
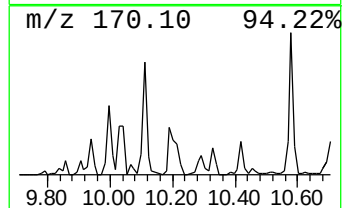
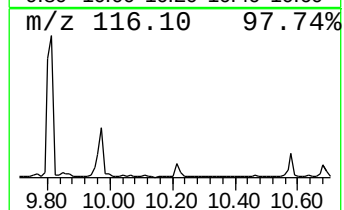
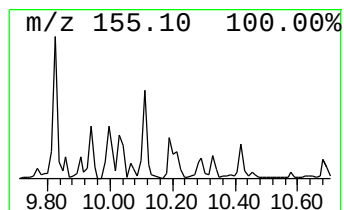
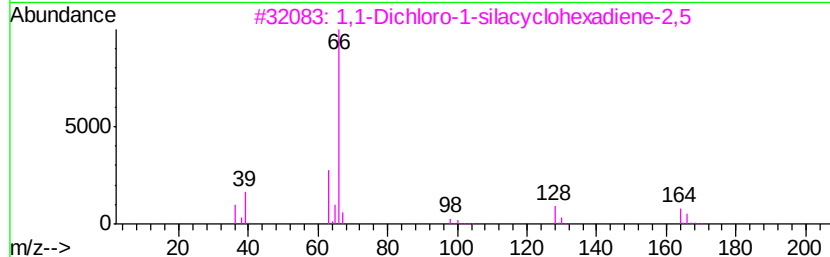
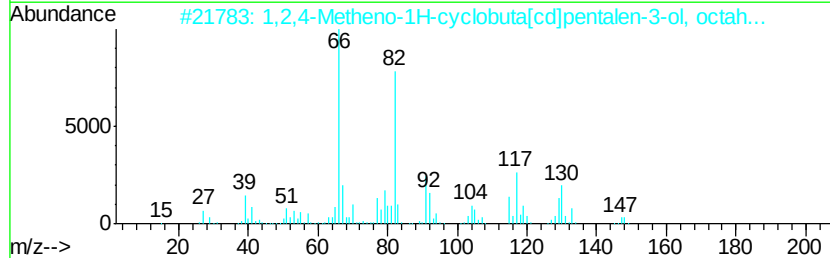
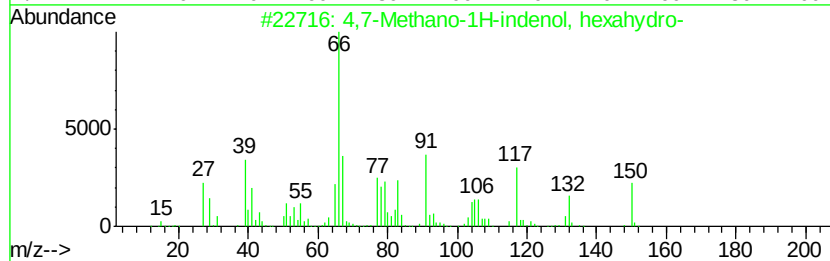
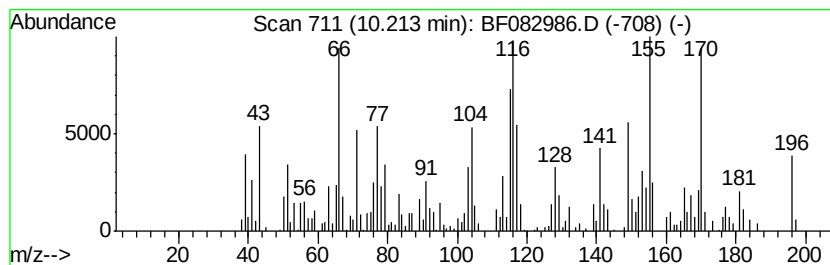
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown10.21 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	4.97 ng	320339	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,7-Methano-1H-indenol, hexahydro-	150	C10H14O	037275-49-3	30
2		1,2,4-Metheno-1H-cyclobuta[cd]pe...	148	C10H12O	015776-05-3	27
3		1,1-Dichloro-1-silacyclohexadien...	164	C5H6Cl2Si	072443-09-5	27
4		Spirobicyclo[2.2.1]hept-2-ene-5,...	164	C10H12O2	1000193-33-4	27
5		1,4-, 5,8-bis(methano)naphthalen...	176	C12H16O	1000007-09-8	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082986.D
Acq On : 18 Nov 2015 00:57
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Sample : G4407-05
Misc :
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ClientSampleId :
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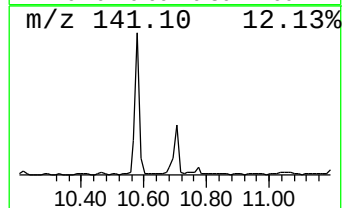
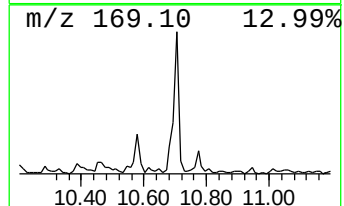
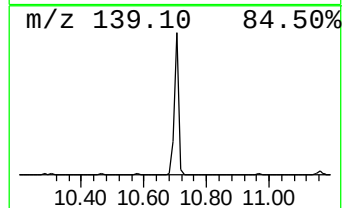
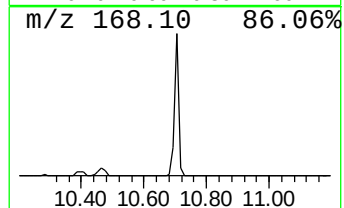
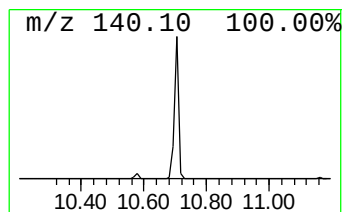
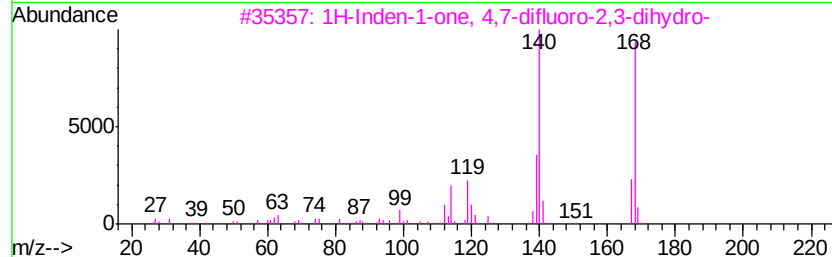
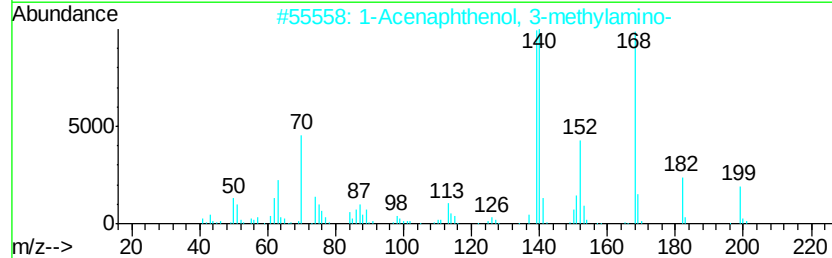
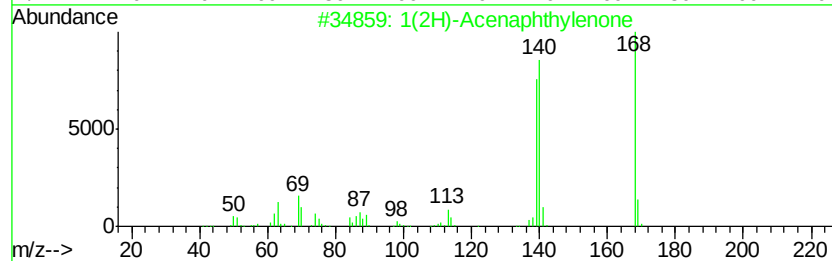
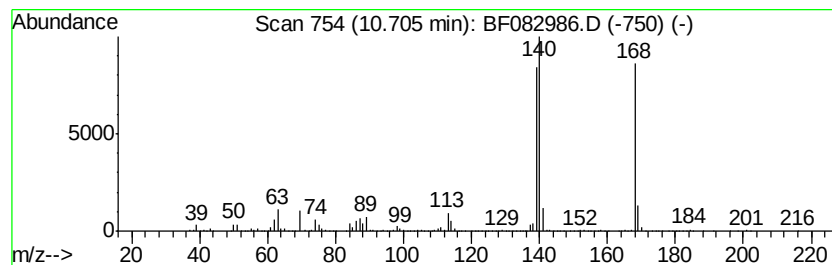
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1(2H)-Acenaphthylenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	40.80 ng	2699710	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	97
2		1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	64
3		1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	53
4		Dibenzofuran	168	C12H8O	000132-64-9	52
5		Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082986.D
Acq On : 18 Nov 2015 00:57
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Sample : G4407-05
Misc :
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ClientSampleId :
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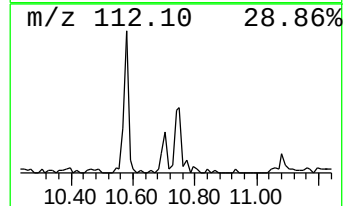
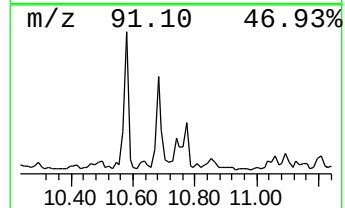
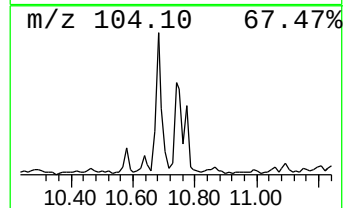
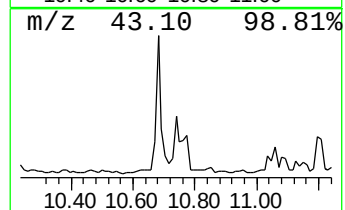
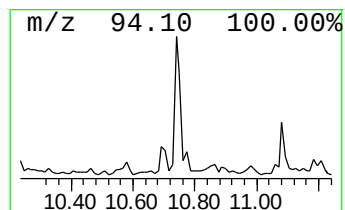
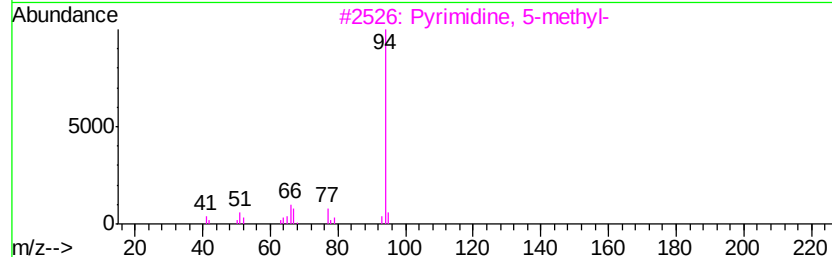
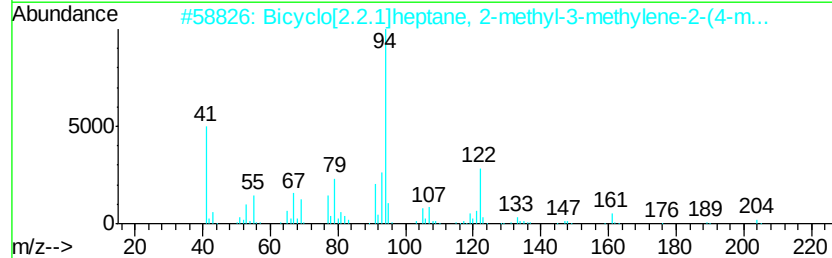
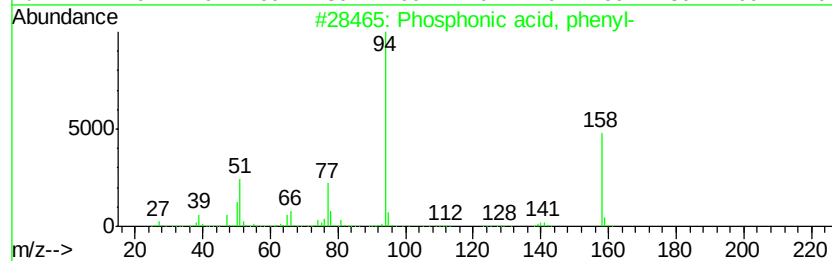
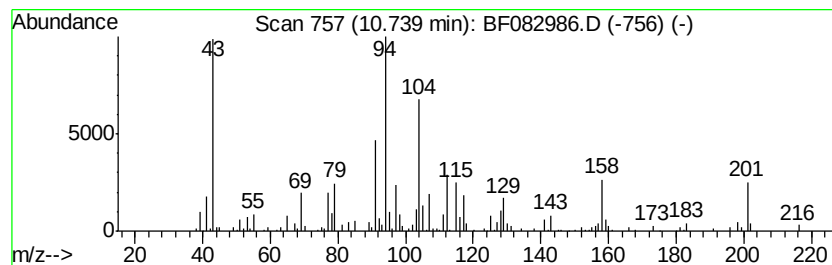
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown10.74 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	5.21 ng	344655	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phosphonic acid, phenyl-	158	C6H7O3P	001571-33-1	27
2		Bicyclo[2.2.1]heptane, 2-methyl-...	204	C15H24	025532-78-9	22
3		Pyrimidine, 5-methyl-	94	C5H6N2	002036-41-1	14
4		Heptanoic acid, 6-hydroxy-, phen...	222	C13H18O3	166273-40-1	12
5		Carbonic acid, sec-butyl phenyl ...	194	C11H14O3	013183-17-0	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082986.D
Acq On : 18 Nov 2015 00:57
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Misc :
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ClientSampleId :
MW-14

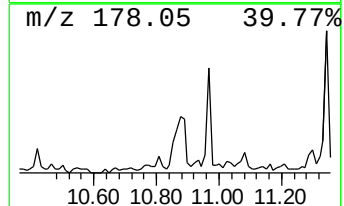
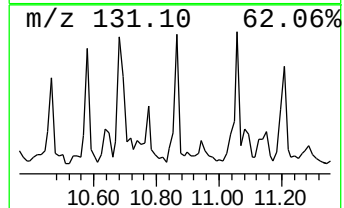
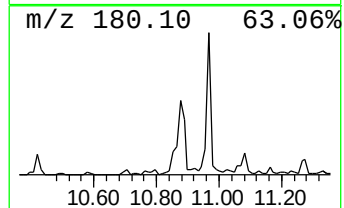
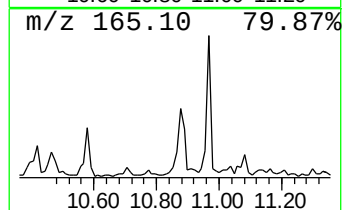
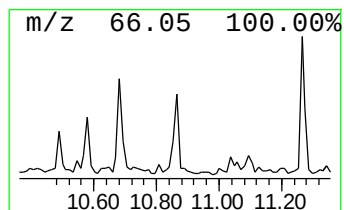
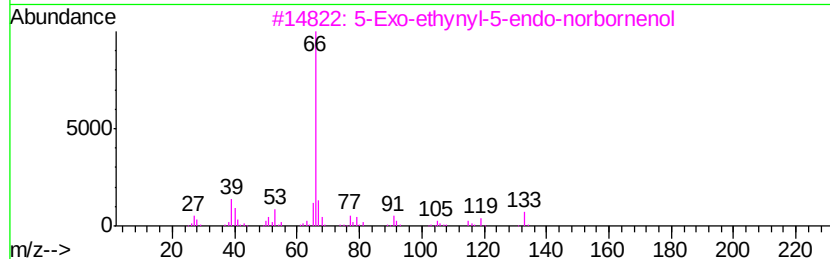
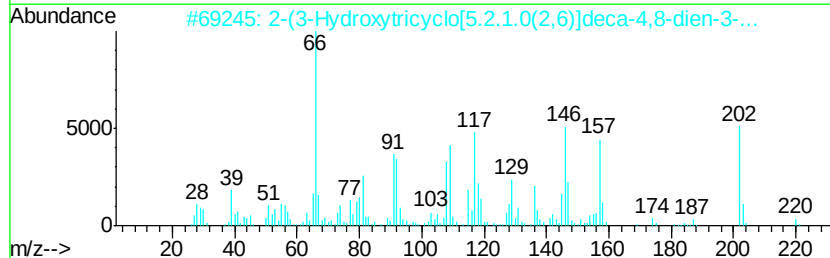
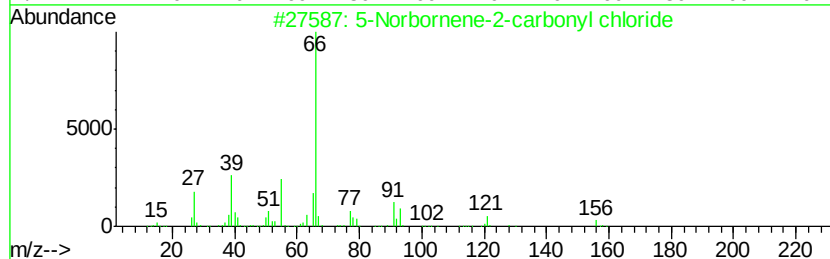
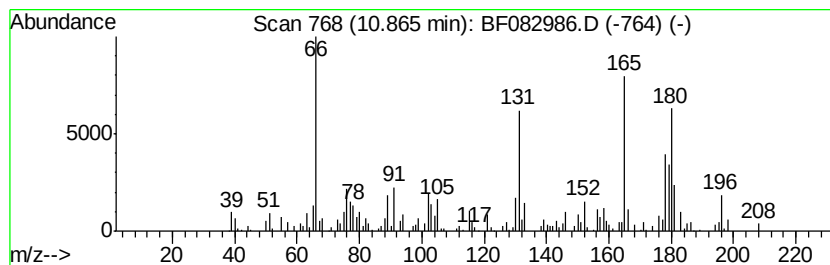
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown10.86 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	4.94 ng	326721	Phenanthrene-d10	11.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Norbornene-2-carbonyl chloride	156	C8H9ClO	027063-48-5	43
2			2-(3-Hydroxytricyclo[5.2.1.0(2,6...)	220	C13H16O3	1000185-37-5	38
3			5-Exo-ethynyl-5-endo-norbornenol	134	C9H10O	106697-35-2	38
4			5-endo-(Hydroxymethyl)-6-exo-met...	138	C9H14O	018377-05-4	38
5			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082986.D
Acq On : 18 Nov 2015 00:57
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
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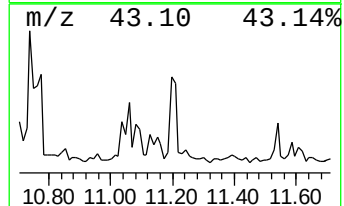
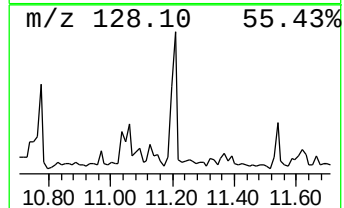
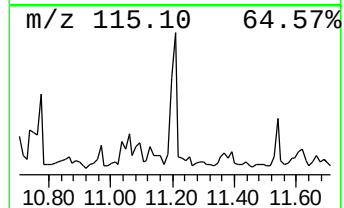
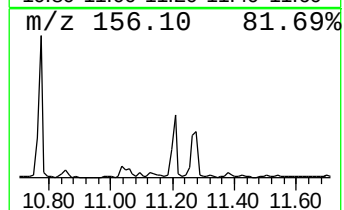
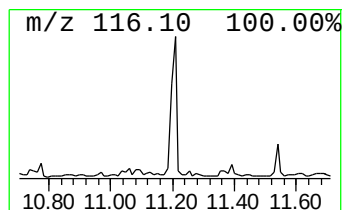
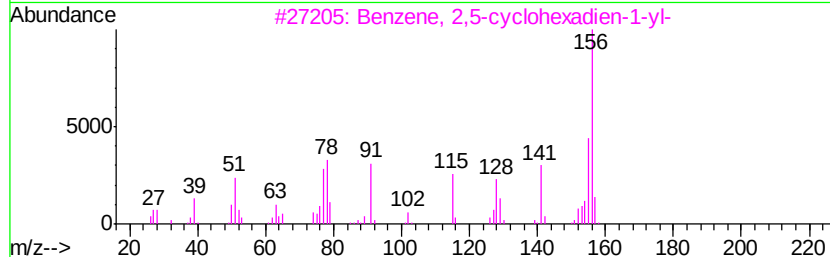
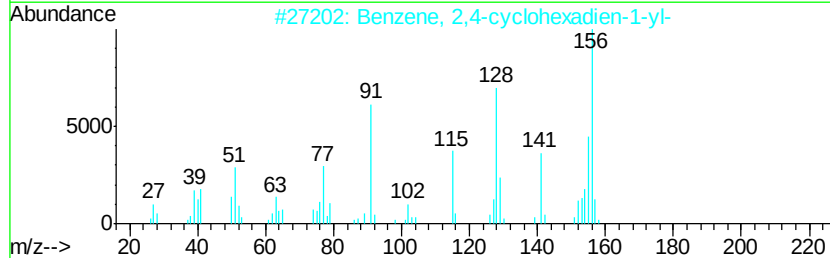
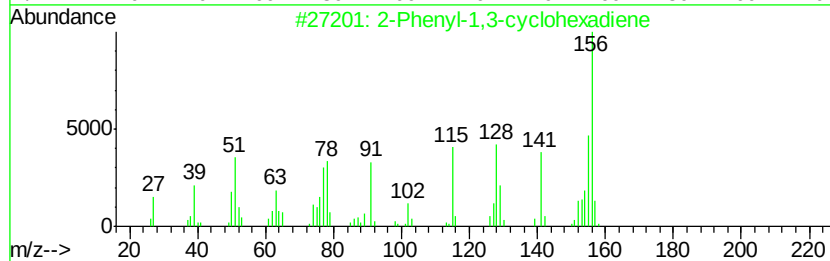
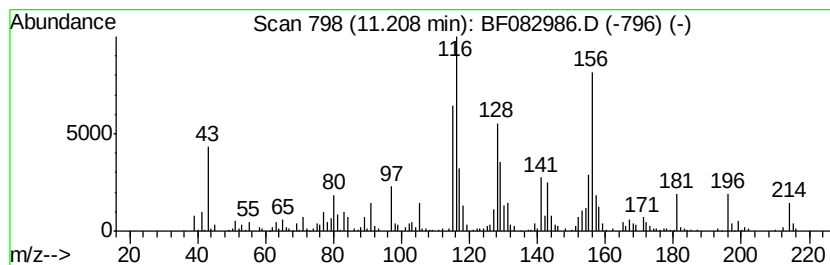
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown11.21 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	5.98 ng	395822	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenyl-1,3-cyclohexadiene	156	C12H12	015619-34-8	38
2		Benzene, 2,4-cyclohexadien-1-yl-	156	C12H12	021473-05-2	38
3		Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	30
4		2,2'-Bipyridine	156	C10H8N2	000366-18-7	30
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082986.D
Acq On : 18 Nov 2015 00:57
Operator : UM/IZ
Sample : G4407-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

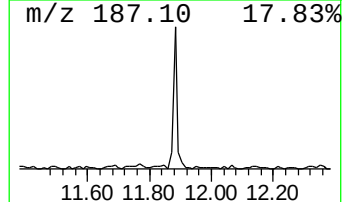
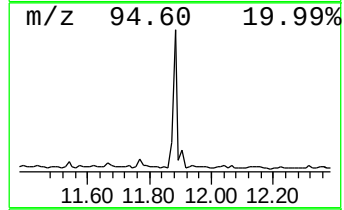
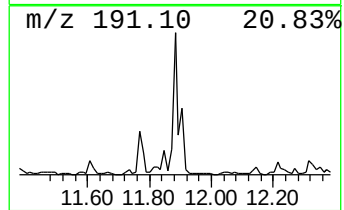
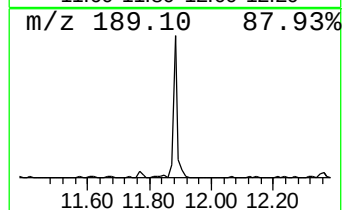
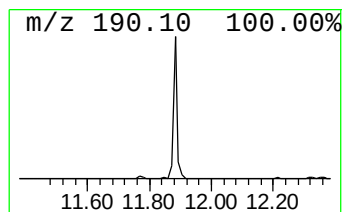
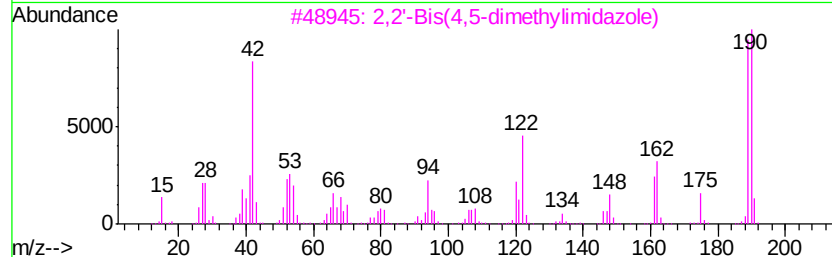
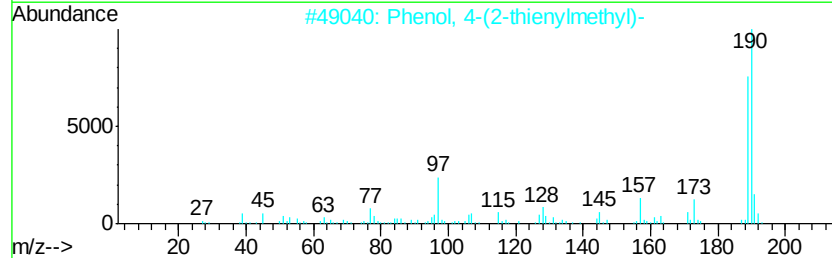
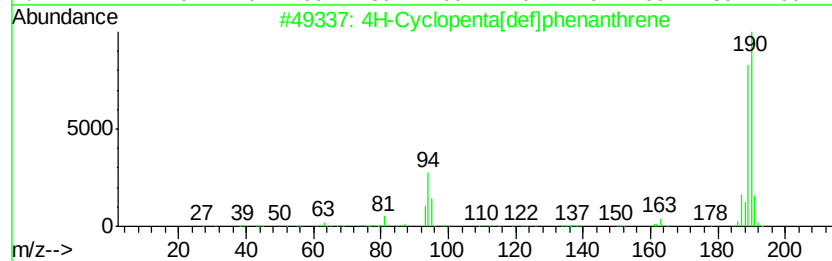
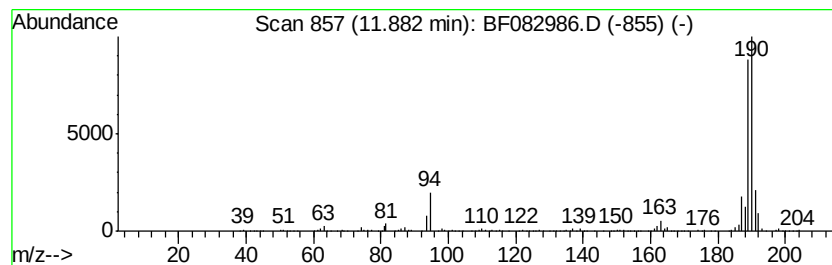
Instrument :
BNA_F
ClientSampleId :
MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.88	9.55 ng	632061	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
 Data File : BF082986.D
 Acq On : 18 Nov 2015 00:57
 Operator : UM/IZ
 Sample : G4407-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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
2-Pentanone, 4-hy...	4.90	19.4	ng	972280	1	6.75	999828	20.0
unknown6.52	6.52	75.0	ng	3749660	1	6.75	999828	20.0
4,7-Methano-1H-in...	6.88	11.8	ng	591514	1	6.75	999828	20.0
Benzene, 1-butynyl-	7.79	11.9	ng	889695	2	8.04	1502020	20.0
2-Bicyclo[2.2.1]h...	7.92	9.9	ng	746002	2	8.04	1502020	20.0
Bicyclo(2.2.1)hep...	8.82	14.2	ng	1068060	2	8.04	1502020	20.0
2-Butenodinitrile...	8.89	5.0	ng	377621	2	8.04	1502020	20.0
1,2,4a,4b,7,8,8a,...	9.02	5.6	ng	360225	3	9.79	1288310	20.0
5-Phenylbicyclo[2...	9.29	11.1	ng	713660	3	9.79	1288310	20.0
Naphthalene, 1-et...	9.32	5.4	ng	347539	3	9.79	1288310	20.0
Naphthalene, 2,3-...	9.58	8.9	ng	576420	3	9.79	1288310	20.0
3,4-Dihydrodicycl...	9.94	9.9	ng	635163	3	9.79	1288310	20.0
unknown10.21	10.21	5.0	ng	320339	3	9.79	1288310	20.0
1(2H)-Acenaphthyl...	10.70	40.8	ng	2699710	4	11.28	1323520	20.0
unknown10.74	10.74	5.2	ng	344655	4	11.28	1323520	20.0
unknown10.86	10.86	4.9	ng	326721	4	11.28	1323520	20.0
unknown11.21	11.21	6.0	ng	395822	4	11.28	1323520	20.0
4H-Cyclopenta[def...	11.88	9.6	ng	632061	4	11.28	1323520	20.0