

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087070.D
 Acq On : 15 May 2016 15:28
 Operator : UM/SJ
 Sample : H3038-01
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

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-BF050916.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	1.735	12	13	65	rVB	3087277	6338407	100.00%	12.508%
2	4.741	273	276	284	rBV	531293	780044	12.31%	1.539%
3	5.210	315	317	331	rBV	3287838	3606367	56.90%	7.117%
4	6.284	408	411	418	rBV	3204521	3439057	54.26%	6.787%
5	6.387	418	420	423	rBV	3809005	3475871	54.84%	6.859%
6	6.616	437	440	442	rBV	709916	907501	14.32%	1.791%
7	6.764	451	453	456	rBV	2610757	2513341	39.65%	4.960%
8	7.187	487	490	492	rBV	2530173	2334022	36.82%	4.606%
9	7.324	500	502	507	rVB	60281	68978	1.09%	0.136%
10	7.896	550	552	555	rBV	1087100	1154960	18.22%	2.279%
11	8.982	644	647	649	rBV	4052594	3759071	59.31%	7.418%
12	9.382	680	682	684	rBV	384603	329600	5.20%	0.650%
13	9.645	703	705	707	rVV	1139983	1186533	18.72%	2.342%
14	9.679	707	708	711	rVB	99363	84643	1.34%	0.167%
15	10.090	742	744	746	rVB	139838	116763	1.84%	0.230%
16	10.193	751	753	756	rVB	82598	82855	1.31%	0.164%
17	10.433	772	774	777	rBV2	1590981	1959034	30.91%	3.866%
18	10.559	784	785	792	rVB	168359	195065	3.08%	0.385%
19	10.742	798	801	806	rBV4	30828	89513	1.41%	0.177%
20	10.891	809	814	817	rBV4	41071	105698	1.67%	0.209%
21	10.982	820	822	823	rBV	67940	71165	1.12%	0.140%
22	11.005	823	824	830	rVB2	119827	200810	3.17%	0.396%
23	11.131	832	835	836	rBV	826865	1315299	20.75%	2.596%
24	11.153	836	837	839	rVV	943365	685248	10.81%	1.352%
25	11.199	839	841	843	rVB	243149	229418	3.62%	0.453%
26	11.371	853	856	859	rBV2	73291	135235	2.13%	0.267%
27	11.428	859	861	863	rBV	63209	72011	1.14%	0.142%
28	11.622	876	878	880	rVV	142848	195707	3.09%	0.386%
29	11.656	880	881	884	rVV	209495	267825	4.23%	0.529%
30	11.702	884	885	886	rVV	103430	82259	1.30%	0.162%
31	11.736	886	888	893	rVB2	249563	383131	6.04%	0.756%
32	11.919	901	904	906	rBV	127402	165814	2.62%	0.327%
33	11.953	906	907	909	rVB	78216	64217	1.01%	0.127%
34	12.171	924	926	928	rBV	88428	127059	2.00%	0.251%

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35	12.205	928	929	932	rVV2	52794	100733	1.59%	0.199%
36	12.262	932	934	938	rVB	121030	134432	2.12%	0.265%
37	12.331	938	940	943	rBV	1349701	1342267	21.18%	2.649%
38	12.479	950	953	955	rBV	75631	109133	1.72%	0.215%
39	12.559	957	960	962	rBV	1377803	1462294	23.07%	2.886%
40	12.616	962	965	967	rVB3	56197	111642	1.76%	0.220%
41	12.708	971	973	976	rVV	2384439	2453807	38.71%	4.842%
42	12.776	976	979	982	rVV2	80015	130653	2.06%	0.258%
43	12.891	985	989	991	rVB2	118920	224647	3.54%	0.443%
44	12.948	991	994	996	rBV3	63784	122384	1.93%	0.242%
45	12.994	996	998	1002	rBV2	153988	231225	3.65%	0.456%
46	13.085	1004	1006	1007	rVB	65254	68385	1.08%	0.135%
47	13.108	1007	1008	1012	rBV2	64893	114142	1.80%	0.225%
48	13.394	1032	1033	1036	rBV	130120	178981	2.82%	0.353%
49	13.508	1040	1043	1044	rBV	126648	181179	2.86%	0.358%
50	13.622	1050	1053	1060	rBV2	359292	661930	10.44%	1.306%
51	13.748	1061	1064	1069	rBV3	1005289	2392276	37.74%	4.721%
52	13.862	1071	1074	1075	rVB2	67833	100783	1.59%	0.199%
53	14.148	1096	1099	1100	rBV	93646	141527	2.23%	0.279%
54	14.228	1104	1106	1108	rVV3	78491	118820	1.87%	0.234%
55	14.594	1136	1138	1143	rBV3	150897	321565	5.07%	0.635%
56	14.754	1149	1152	1156	rBV	628947	1111801	17.54%	2.194%
57	15.005	1172	1174	1177	rVV	234427	342007	5.40%	0.675%
58	15.062	1177	1179	1182	rVV	439513	502538	7.93%	0.992%
59	15.120	1182	1184	1190	rVB2	690885	970097	15.31%	1.914%
60	16.365	1291	1293	1297	rVB	146822	256027	4.04%	0.505%
61	16.743	1324	1326	1333	rVB	120157	266170	4.20%	0.525%

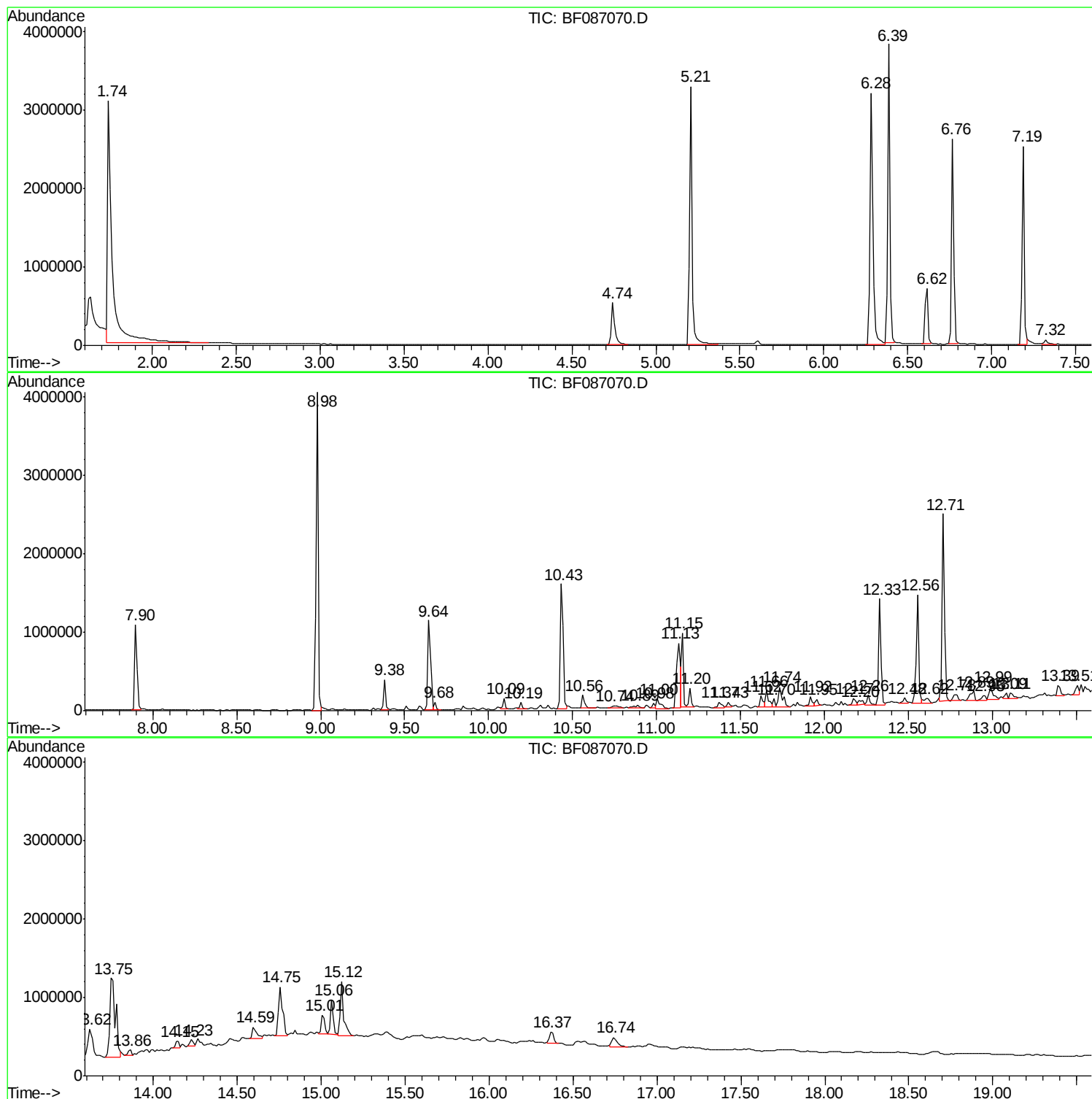
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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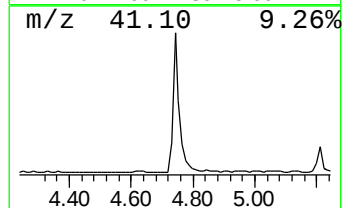
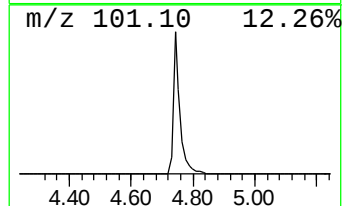
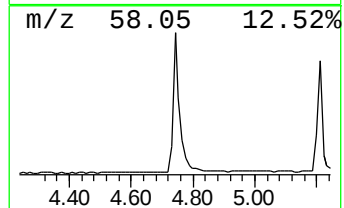
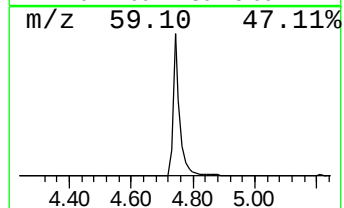
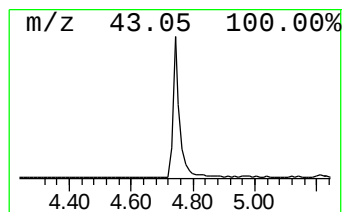
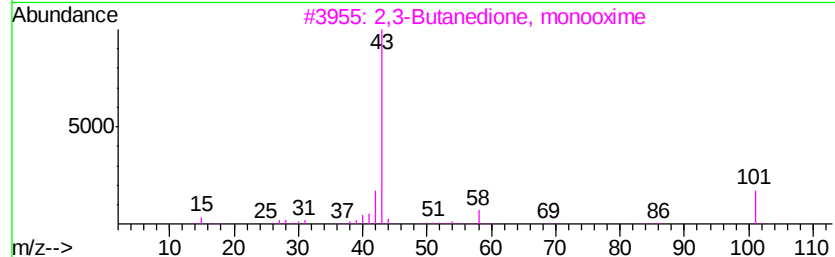
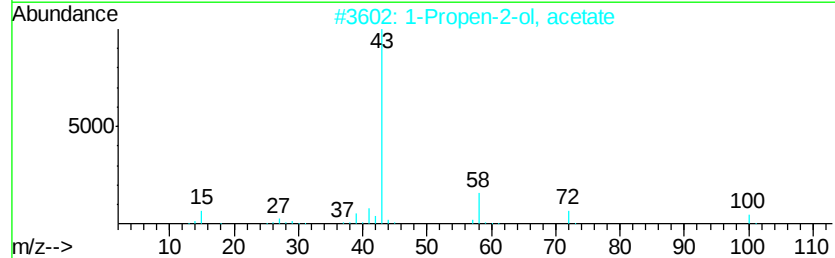
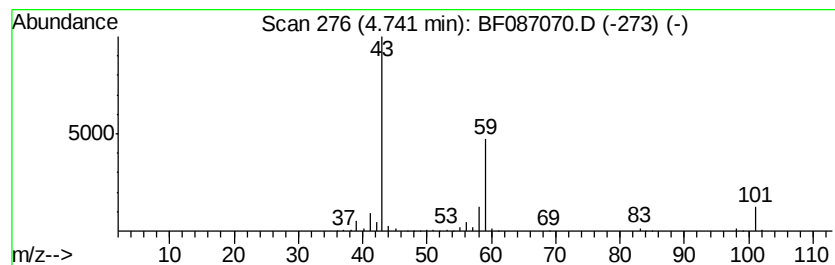
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	17.19 ng	780044	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4		dl-4-Amino-3-hydroxybutyric acid	119	C4H9NO3	000352-21-6	9
5		2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9



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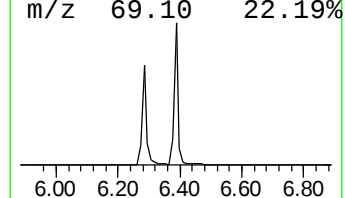
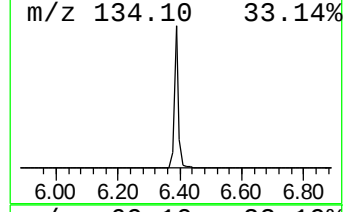
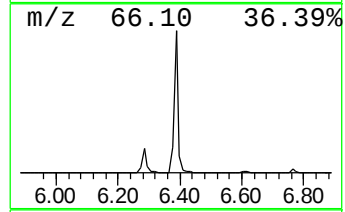
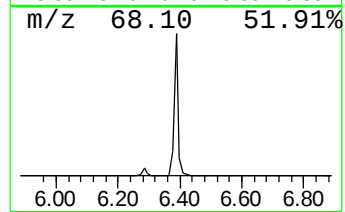
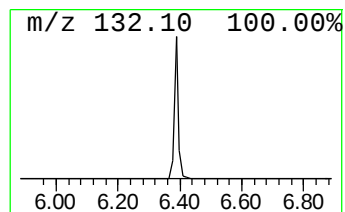
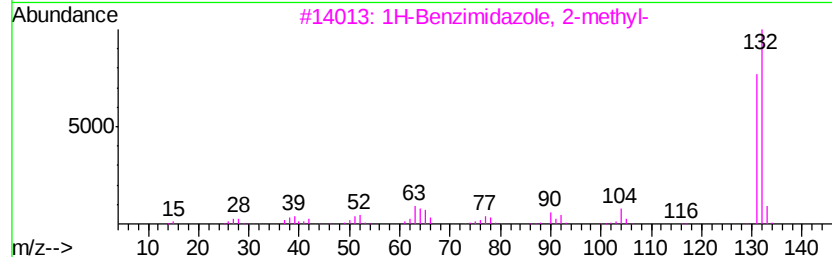
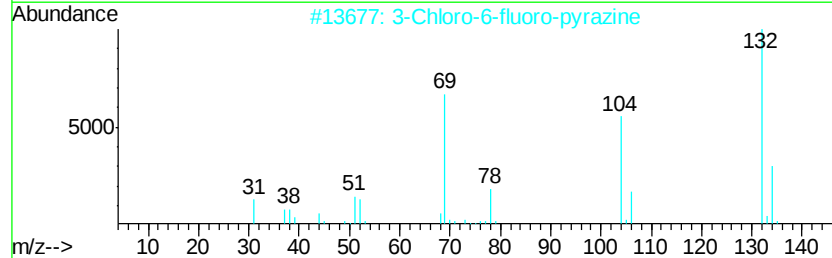
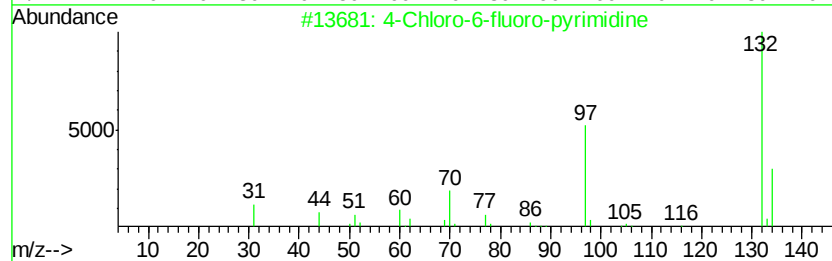
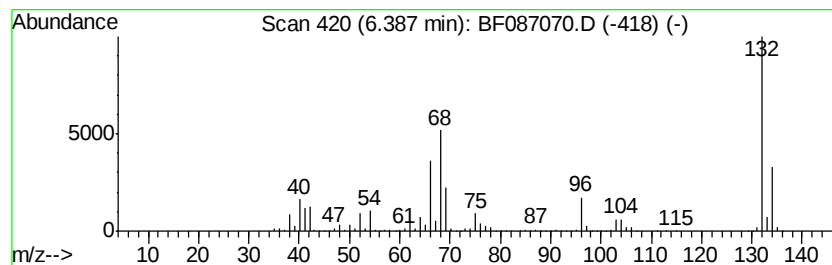
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 unknown6.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	76.60 ng	3475870	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22



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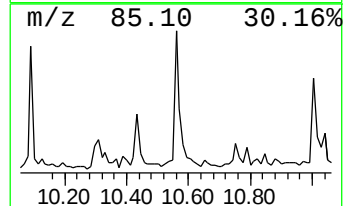
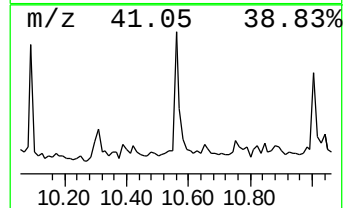
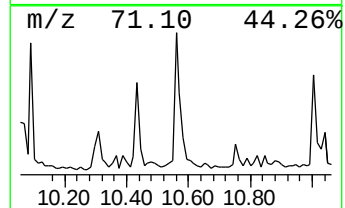
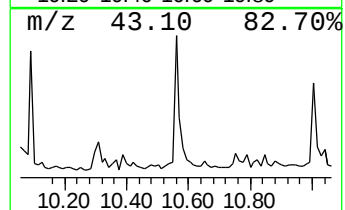
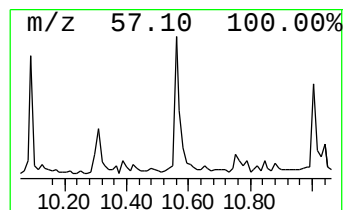
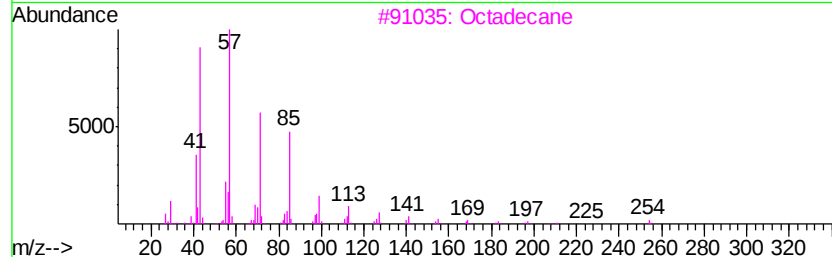
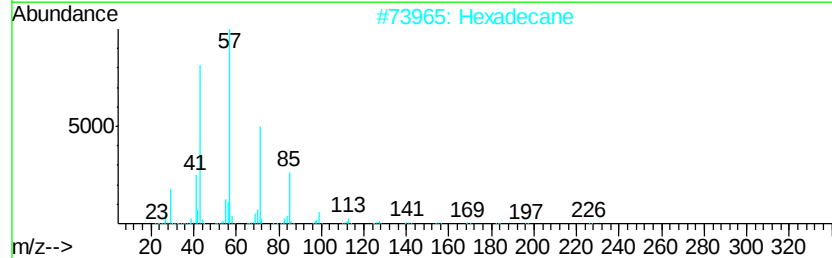
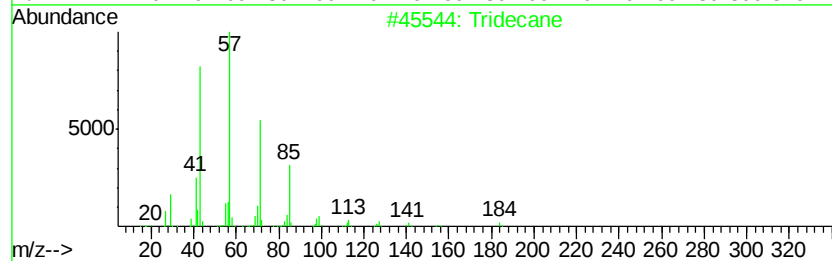
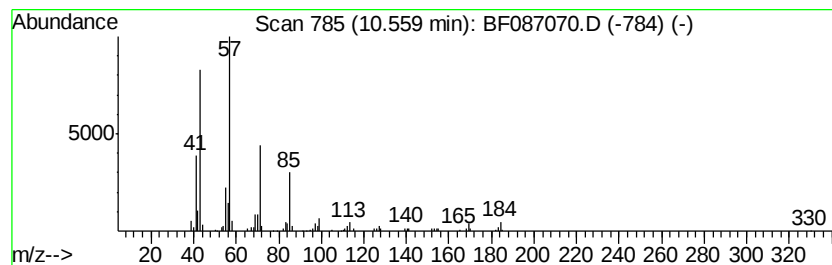
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.97 ng	195065	Phenanthrene-d10	11.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	93
2	Hexadecane	226 C16H34	000544-76-3	80
3	Octadecane	254 C18H38	000593-45-3	80
4	Eicosane	282 C20H42	000112-95-8	74
5	Undecane, 2-methyl-	170 C12H26	007045-71-8	74



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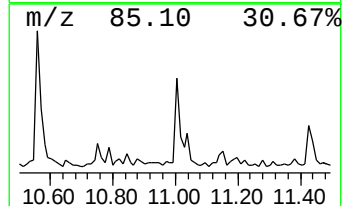
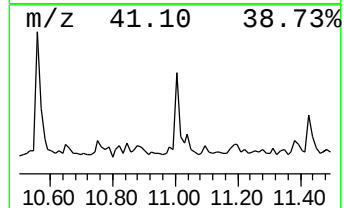
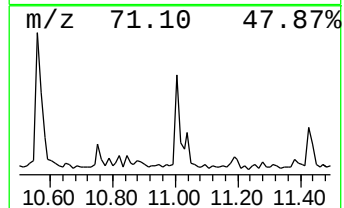
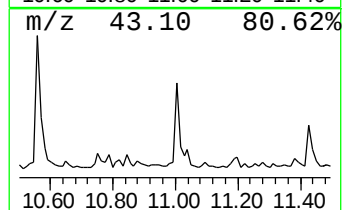
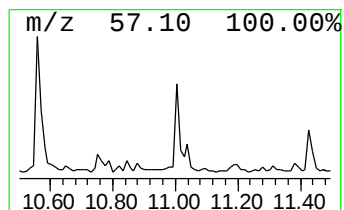
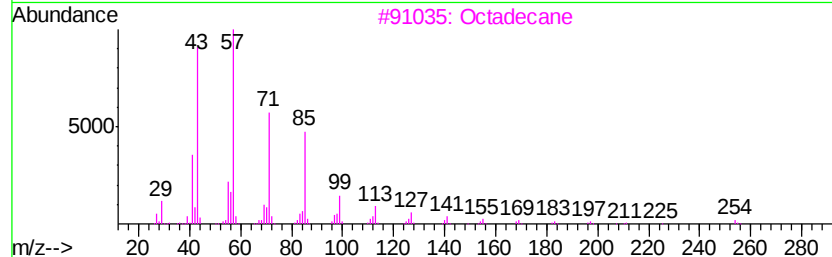
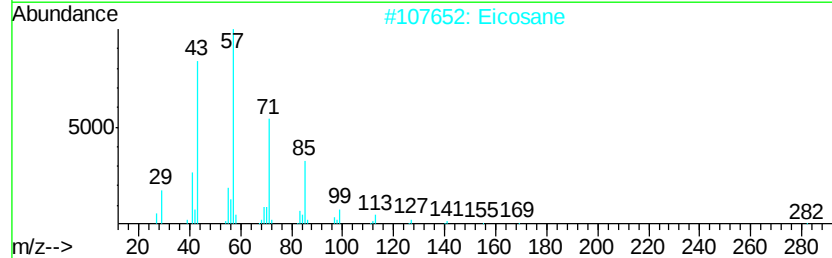
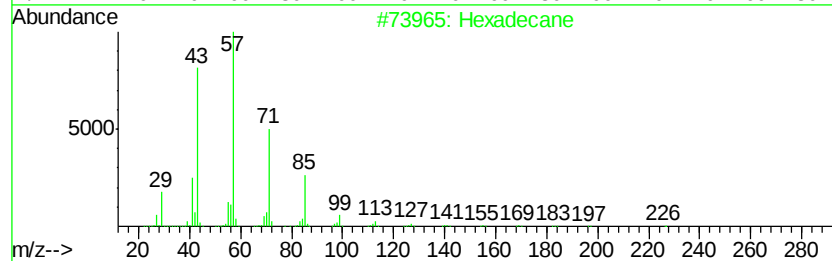
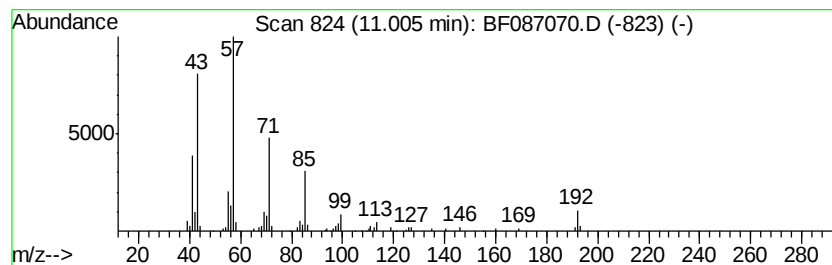
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.00	3.05 ng	200810	Phenanthrene-d10		11.13
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Eicosane	282	C20H42	000112-95-8	80
3	Octadecane	254	C18H38	000593-45-3	80
4	Heptacosane	380	C27H56	000593-49-7	72
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	64



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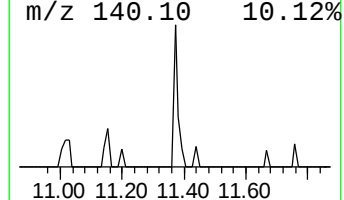
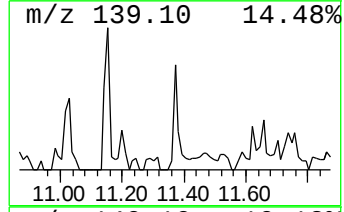
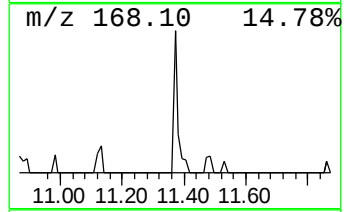
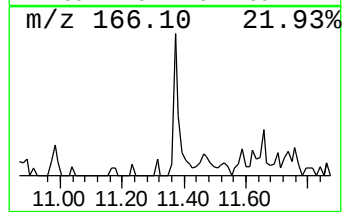
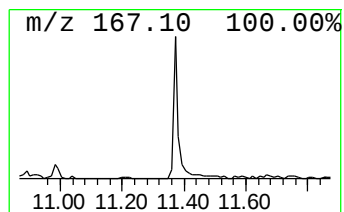
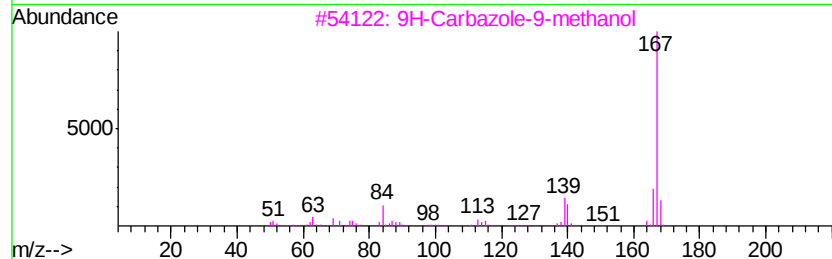
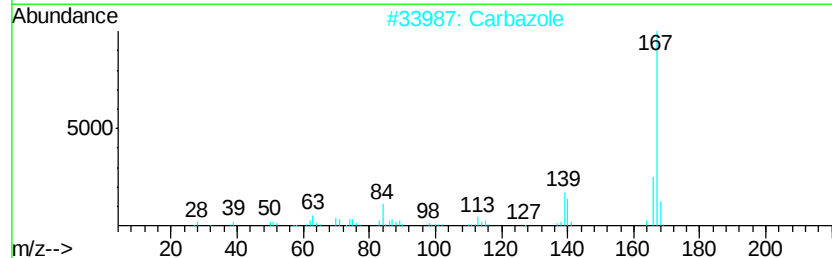
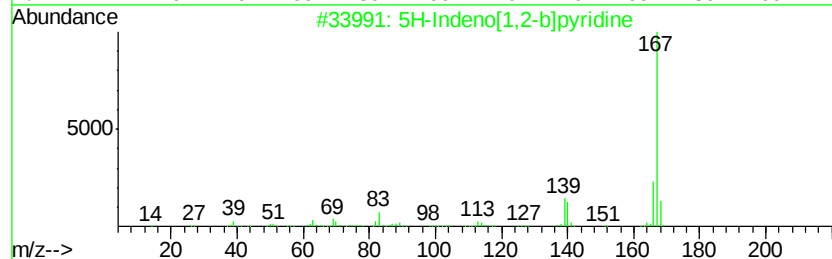
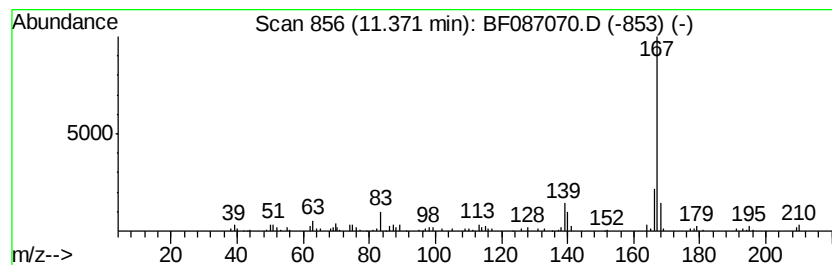
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5H-Indeno[1,2-b]pyridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.37	2.06 ng	135235	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	87
3	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	87
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	78
5	Thiazolo[3,2-a]pyridinium, 2,3-d...	167	C8H9NOS	023003-43-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087070.D
Acq On : 15 May 2016 15:28
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 89 Sample Multiplier: 1

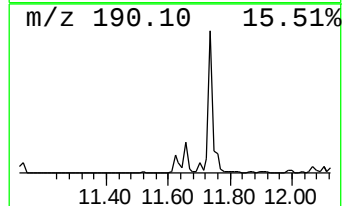
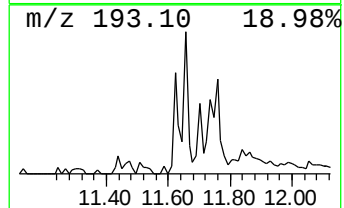
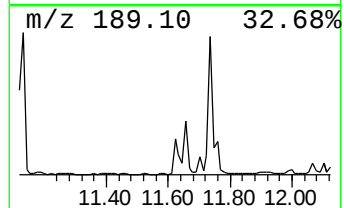
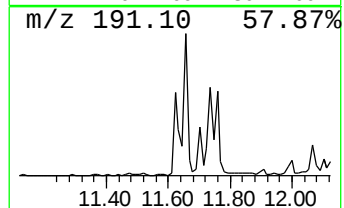
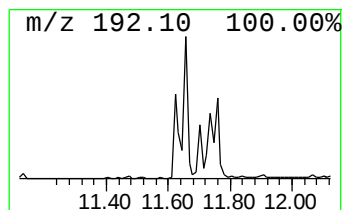
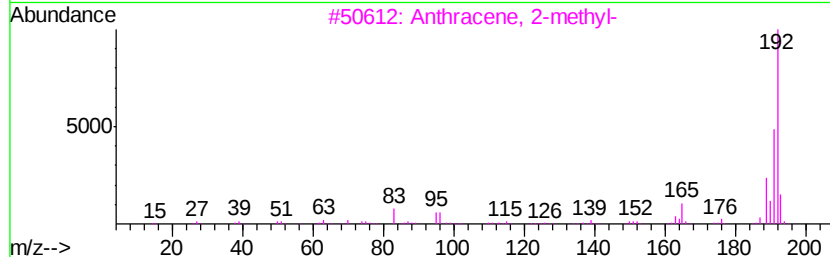
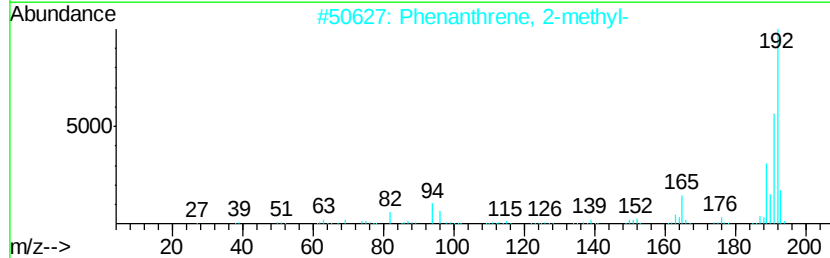
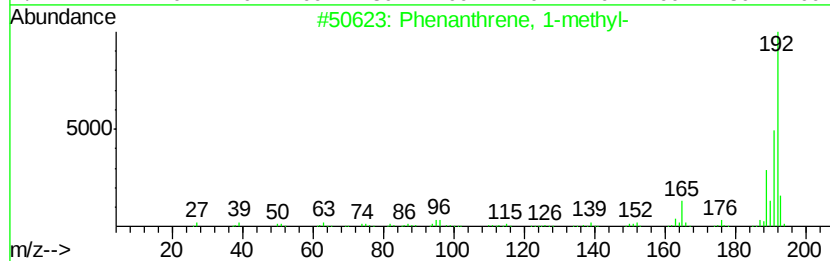
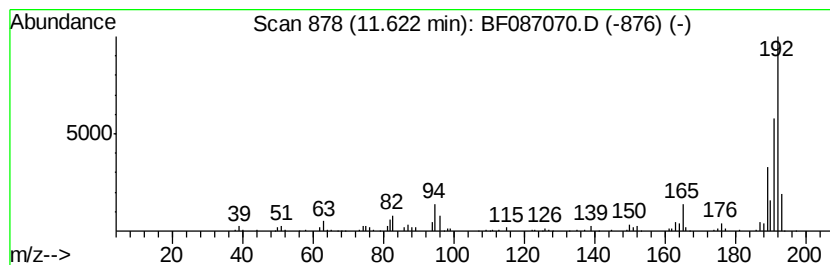
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.62	2.98 ng	195707	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087070.D
Acq On : 15 May 2016 15:28
Operator : UM/SJ
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ClientSampleId :
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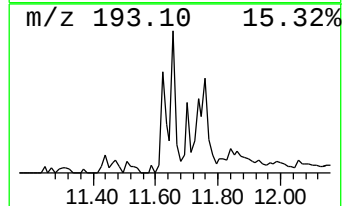
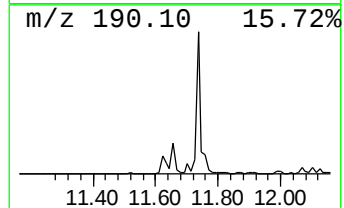
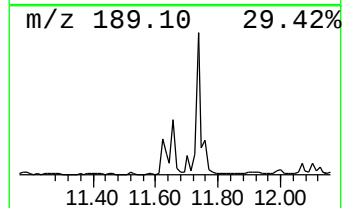
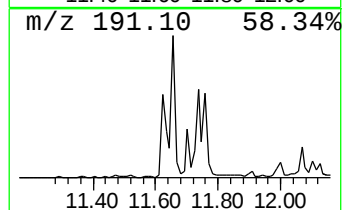
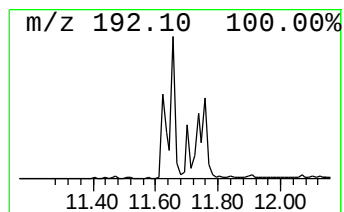
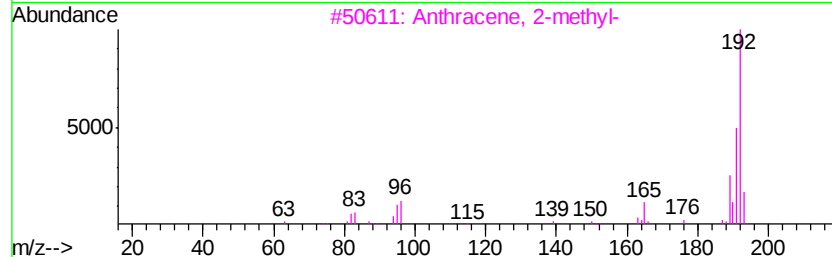
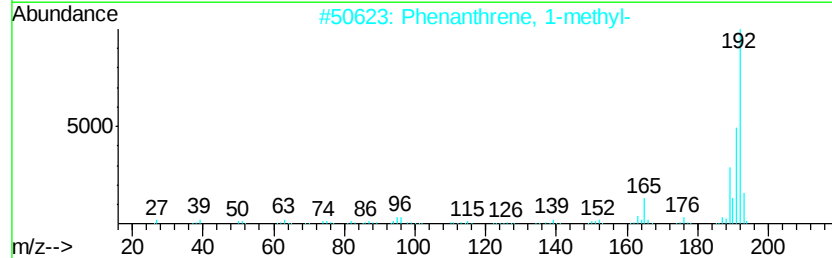
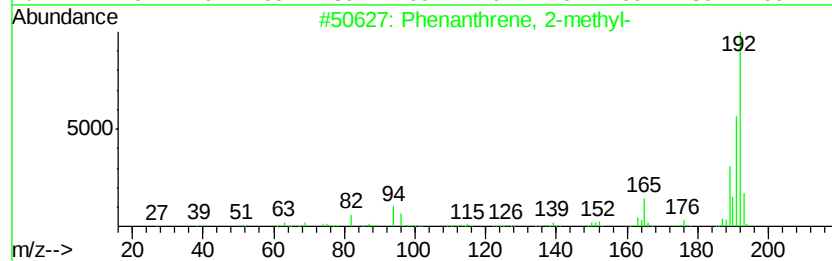
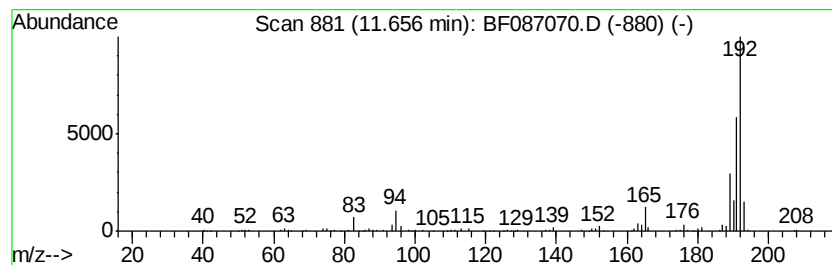
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	4.07 ng	267825	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087070.D
Acq On : 15 May 2016 15:28
Operator : UM/SJ
Sample : H3038-01
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Instrument :
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ClientSampleId :
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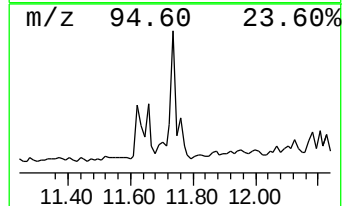
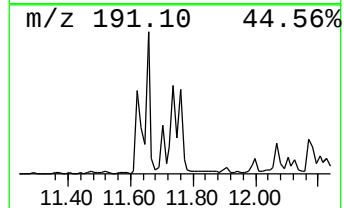
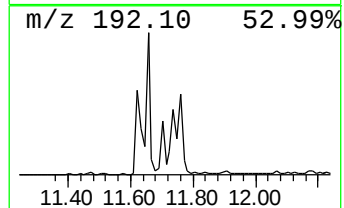
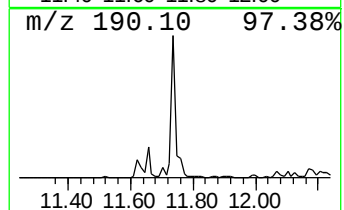
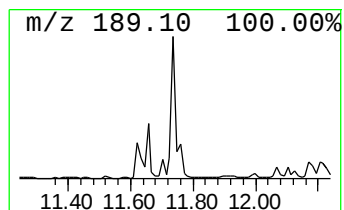
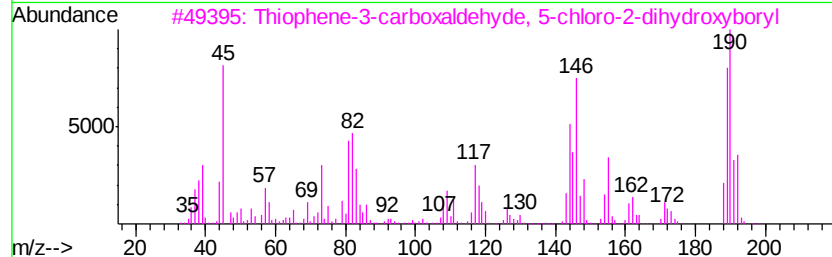
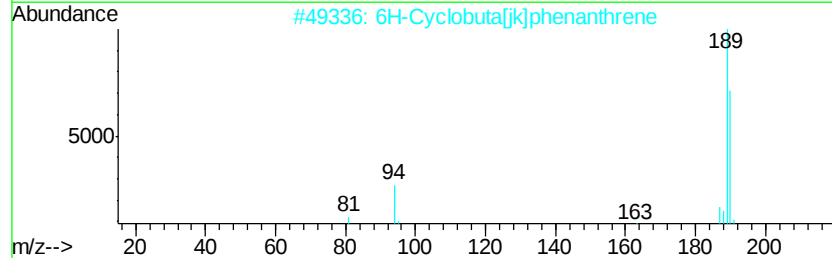
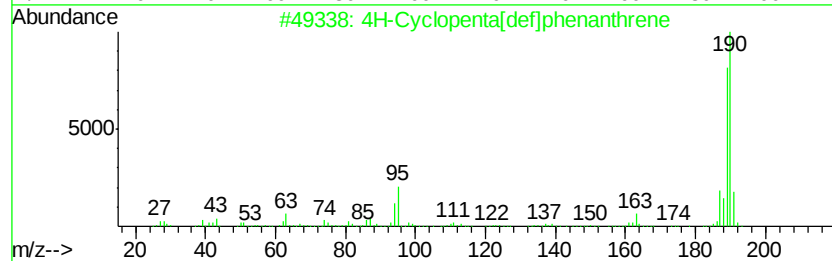
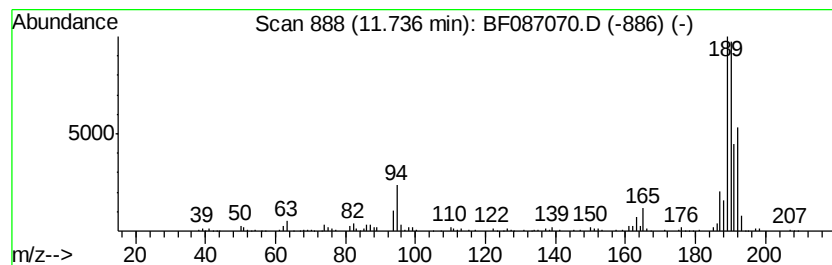
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.83 ng	383131	Phenanthrene-d10	11.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BCl03S	036155-87-0	50
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087070.D
Acq On : 15 May 2016 15:28
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 89 Sample Multiplier: 1

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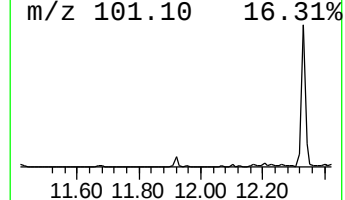
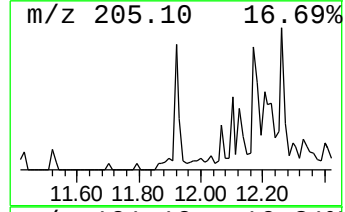
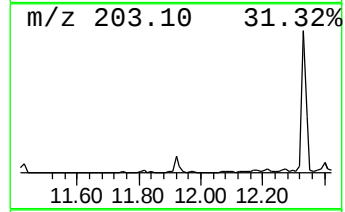
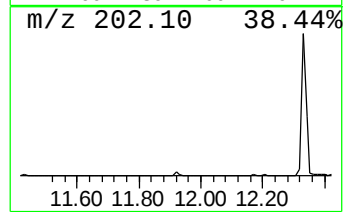
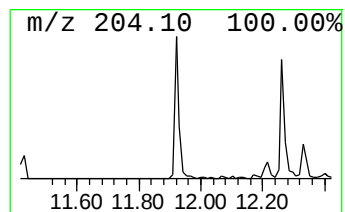
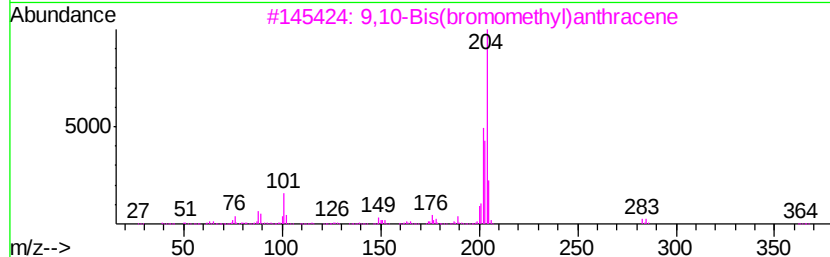
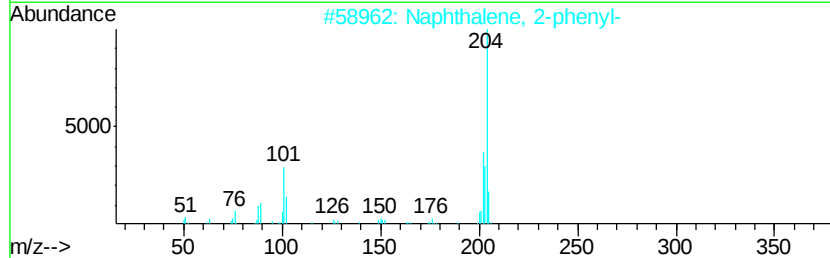
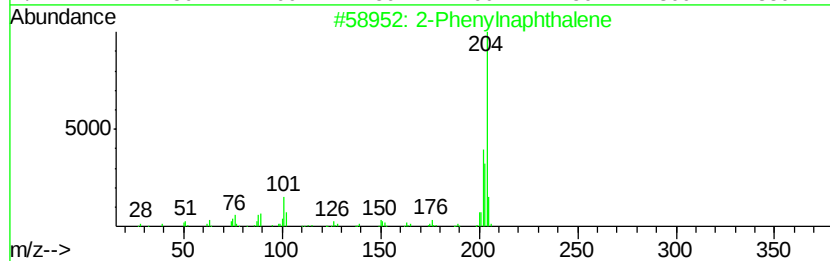
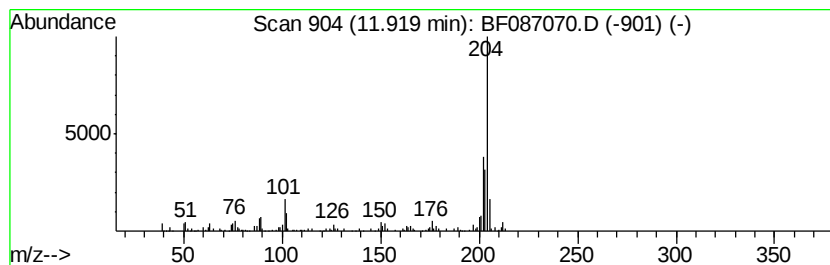
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 2-Phenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.52 ng	165814	Phenanthrene-d10	11.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087070.D
Acq On : 15 May 2016 15:28
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 89 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WEST-ABOUTMENT-N.SIDE

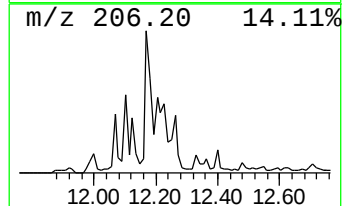
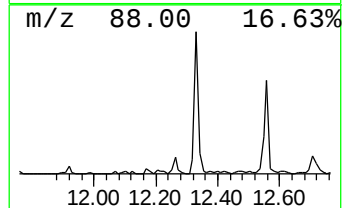
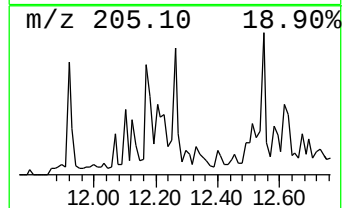
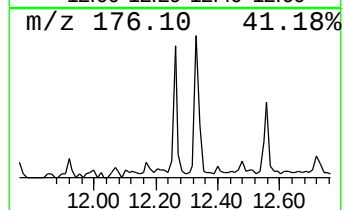
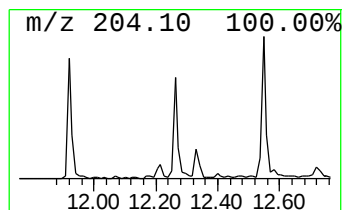
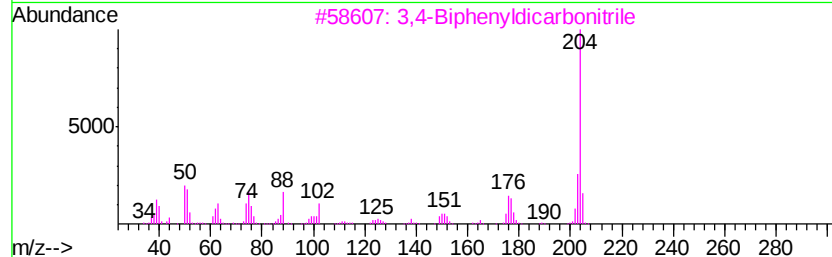
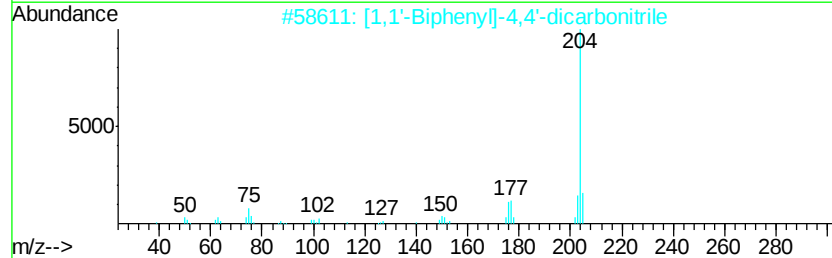
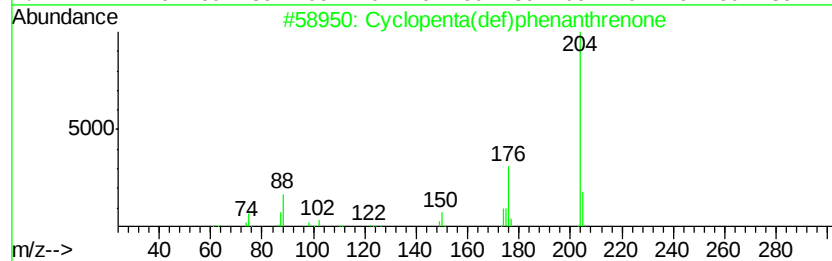
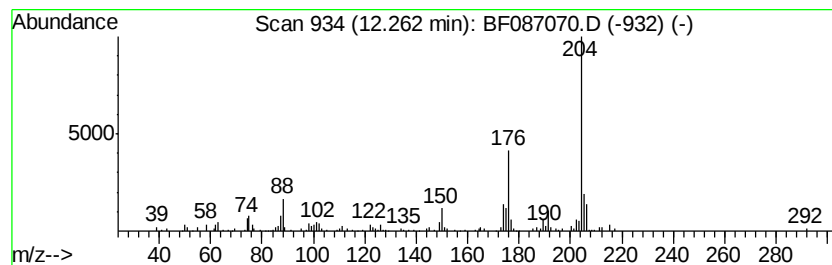
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.04 ng	134432	Phenanthrene-d10	11.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
4		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	43
5		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
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ClientSampleId :
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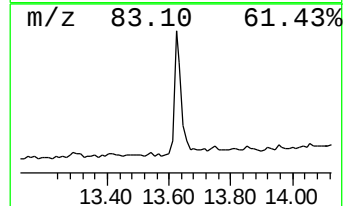
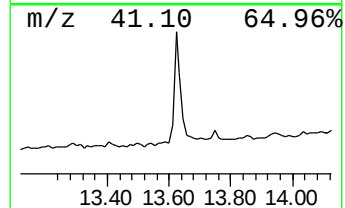
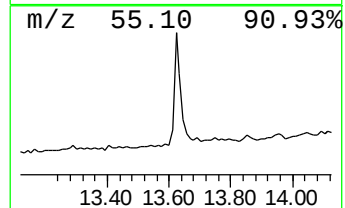
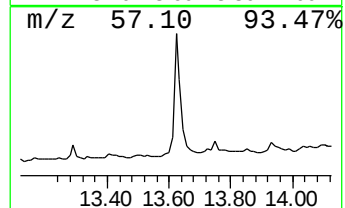
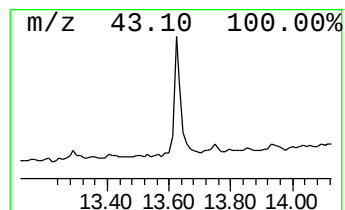
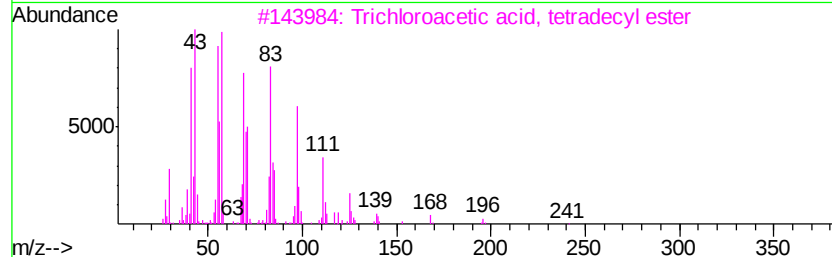
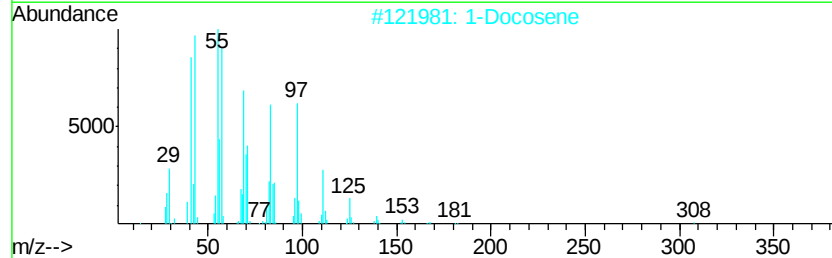
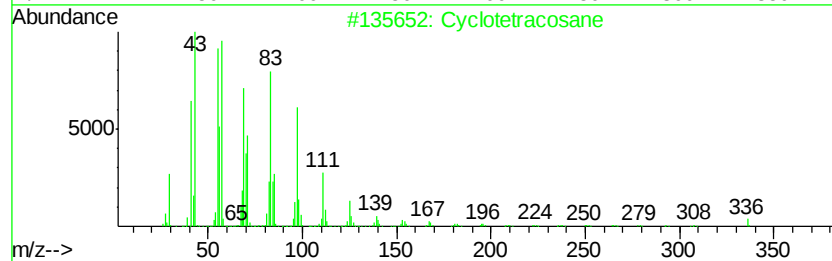
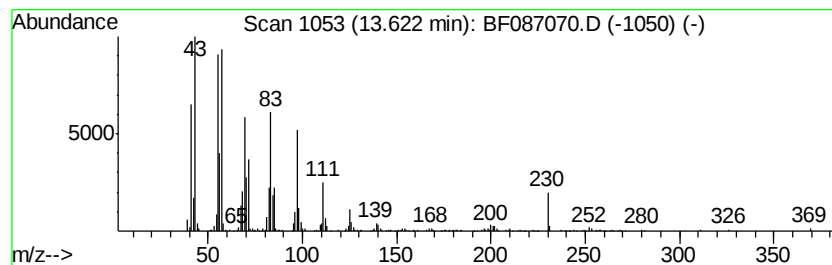
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclotetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	5.53 ng	661930	Chrysene-d12	13.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetracosane	336	C24H48	000297-03-0	93
2			1-Docosene	308	C22H44	001599-67-3	93
3			Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90
4			1-Nonadecene	266	C19H38	018435-45-5	87
5			Cycloeicosane	280	C20H40	000296-56-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087070.D
Acq On : 15 May 2016 15:28
Operator : UM/SJ
Sample : H3038-01
Misc :
ALS Vial : 89 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

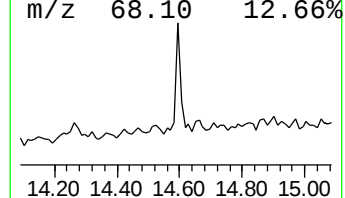
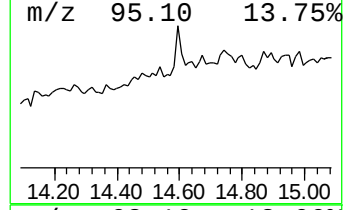
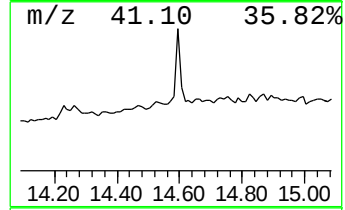
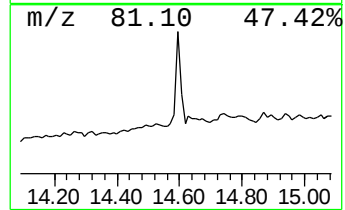
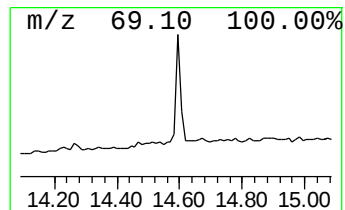
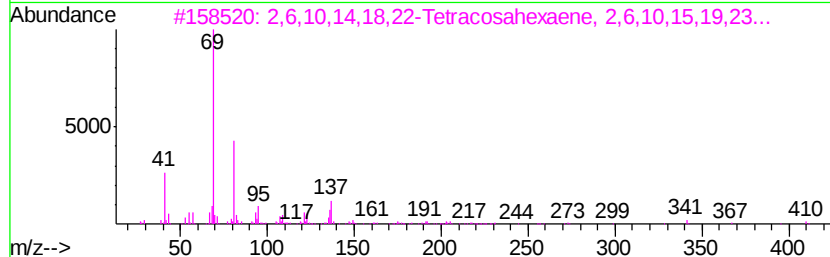
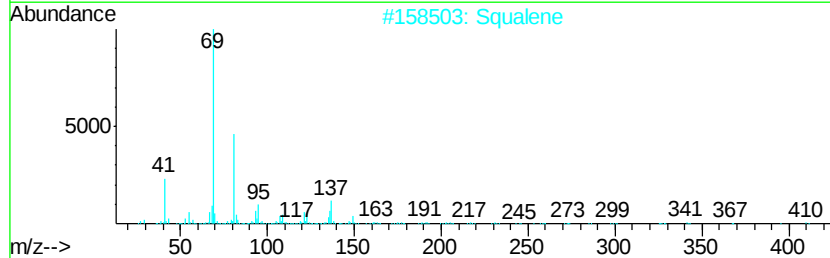
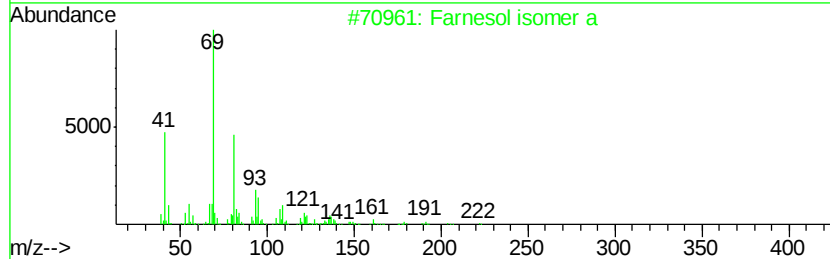
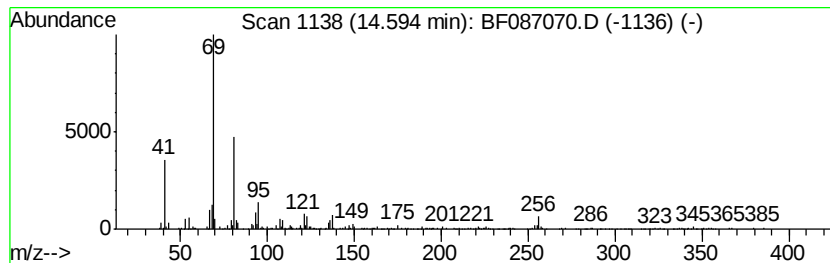
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Farnesol isomer a Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	6.63 ng	321565	Perylene-d12	15.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Farnesol isomer a	222	C15H26O	1000108-92-4	87
2		Squalene	410	C30H50	007683-64-9	87
3		2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	72
4		1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	59
5		1-Methylene-2b-hydroxymethyl-3,3...	222	C15H26O	1000144-10-6	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087070.D
 Acq On : 15 May 2016 15:28
 Operator : UM/SJ
 Sample : H3038-01
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.74	17.2	ng	780044	1	6.62	907501	20.0
unknown6.39	6.39	76.6	ng	3475870	1	6.62	907501	20.0
Tridecane	10.56	3.0	ng	195065	4	11.13	1315300	20.0
Hexadecane	11.00	3.0	ng	200810	4	11.13	1315300	20.0
5H-Indeno[1,2-b]p...	11.37	2.1	ng	135235	4	11.13	1315300	20.0
Phenanthrene, 1-m...	11.62	3.0	ng	195707	4	11.13	1315300	20.0
Phenanthrene, 2-m...	11.66	4.1	ng	267825	4	11.13	1315300	20.0
4H-Cyclopenta[def...	11.74	5.8	ng	383131	4	11.13	1315300	20.0
2-Phenyl naphthalene	11.92	2.5	ng	165814	4	11.13	1315300	20.0
Cyclopenta(def)ph...	12.26	2.0	ng	134432	4	11.13	1315300	20.0
Cyclotetracosane	13.62	5.5	ng	661930	5	13.76	2392280	20.0
Farnesol isomer a	14.59	6.6	ng	321565	6	15.12	970097	20.0