

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
 Data File : BF090119.D
 Acq On : 16 Sep 2016 21:19
 Operator : UM/SJ
 Sample : H4805-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAWORTH09

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-BF091516.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	1.690	7	9	61	rVB	3406280	9792776	100.00%	14.875%
2	4.639	264	267	276	rBV	432176	690428	7.05%	1.049%
3	5.107	305	308	311	rBV	2650321	2964872	30.28%	4.504%
4	6.193	400	403	406	rBV	2455537	2980127	30.43%	4.527%
5	6.307	411	413	416	rVB	3084578	3002294	30.66%	4.560%
6	6.536	431	433	436	rBV	734915	860264	8.78%	1.307%
7	6.696	444	447	450	rBV	2686291	2466304	25.18%	3.746%
8	7.107	481	483	486	rBV	1453956	1906329	19.47%	2.896%
9	7.828	544	546	548	rBV	1345223	1145658	11.70%	1.740%
10	8.913	638	641	643	rBV	3265373	3386280	34.58%	5.144%
11	9.176	662	664	666	rBV2	105034	97999	1.00%	0.149%
12	9.302	674	675	678	rBV	441049	627284	6.41%	0.953%
13	9.576	696	699	701	rVV	906934	1204516	12.30%	1.830%
14	10.354	764	767	770	rBV	1614259	1621801	16.56%	2.463%
15	10.502	776	780	784	rBV	63436	123706	1.26%	0.188%
16	11.039	824	827	828	rBV	1038808	939843	9.60%	1.428%
17	11.062	828	829	831	rVV	140907	136645	1.40%	0.208%
18	11.131	831	835	836	rVV4	109894	181472	1.85%	0.276%
19	11.199	839	841	846	rVB4	83969	113620	1.16%	0.173%
20	11.314	846	851	853	rBV3	110958	161728	1.65%	0.246%
21	11.531	867	870	872	rBV2	73020	104722	1.07%	0.159%
22	11.599	874	876	879	rVV2	328349	401035	4.10%	0.609%
23	11.645	879	880	885	rVV2	71311	126696	1.29%	0.192%
24	11.725	885	887	889	rVV	134504	151707	1.55%	0.230%
25	12.239	930	932	935	rVB	254113	237357	2.42%	0.361%
26	12.297	935	937	938	rBV	165517	226302	2.31%	0.344%
27	12.377	942	944	946	rBV2	132210	197309	2.01%	0.300%
28	12.457	949	951	955	rVV	249593	293079	2.99%	0.445%
29	12.617	963	965	968	rBV	1497474	2118999	21.64%	3.219%
30	13.051	1001	1003	1004	rVV2	148493	147162	1.50%	0.224%
31	13.085	1004	1006	1009	rVB	103981	121891	1.24%	0.185%
32	13.542	1043	1046	1048	rBV	262188	432015	4.41%	0.656%
33	13.645	1053	1055	1060	rBV2	616572	1164740	11.89%	1.769%
34	14.160	1098	1100	1105	rBV	539147	885451	9.04%	1.345%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
 Data File : BF090119.D
 Acq On : 16 Sep 2016 21:19
 Operator : UM/SJ
 Sample : H4805-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAWORTH09

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-BF091516.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.514	1129	1131	1135	rVB	243229	230289	2.35%	0.350%
36	14.640	1139	1142	1145	rVV2	294955	606937	6.20%	0.922%
37	14.697	1145	1147	1149	rVV	212765	361285	3.69%	0.549%
38	14.743	1149	1151	1158	rVV	1900399	2378928	24.29%	3.614%
39	14.891	1161	1164	1166	rBV	305483	479273	4.89%	0.728%
40	14.937	1166	1168	1170	rVV3	139905	239120	2.44%	0.363%
41	14.983	1170	1172	1176	rVB	494239	579616	5.92%	0.880%
42	15.303	1198	1200	1205	rVB3	211398	487128	4.97%	0.740%
43	15.405	1206	1209	1216	rBV2	1288303	2756286	28.15%	4.187%
44	15.611	1225	1227	1230	rVB2	354922	527369	5.39%	0.801%
45	16.046	1263	1265	1268	rVB2	125623	213684	2.18%	0.325%
46	16.286	1284	1286	1290	rVB	140431	276096	2.82%	0.419%
47	16.457	1298	1301	1303	rBV3	206316	438508	4.48%	0.666%
48	16.594	1310	1313	1315	rBV	376362	805262	8.22%	1.223%
49	16.686	1315	1321	1324	rVV2	689153	2585205	26.40%	3.927%
50	16.811	1330	1332	1336	rVB	331102	668734	6.83%	1.016%
51	16.903	1337	1340	1343	rVV	411249	901693	9.21%	1.370%
52	17.017	1347	1350	1354	rVV	725603	1916082	19.57%	2.910%
53	17.097	1354	1357	1361	rVB2	627706	1531696	15.64%	2.327%
54	17.291	1370	1374	1381	rBV5	712645	2962894	30.26%	4.501%
55	17.406	1381	1384	1387	rVV	381044	924708	9.44%	1.405%
56	17.463	1387	1389	1394	rVB3	228576	619579	6.33%	0.941%
57	17.680	1405	1408	1409	rBV2	135080	259454	2.65%	0.394%
58	18.137	1445	1448	1455	rVB3	215190	694262	7.09%	1.055%
59	18.286	1456	1461	1469	rVB2	468480	1377507	14.07%	2.092%

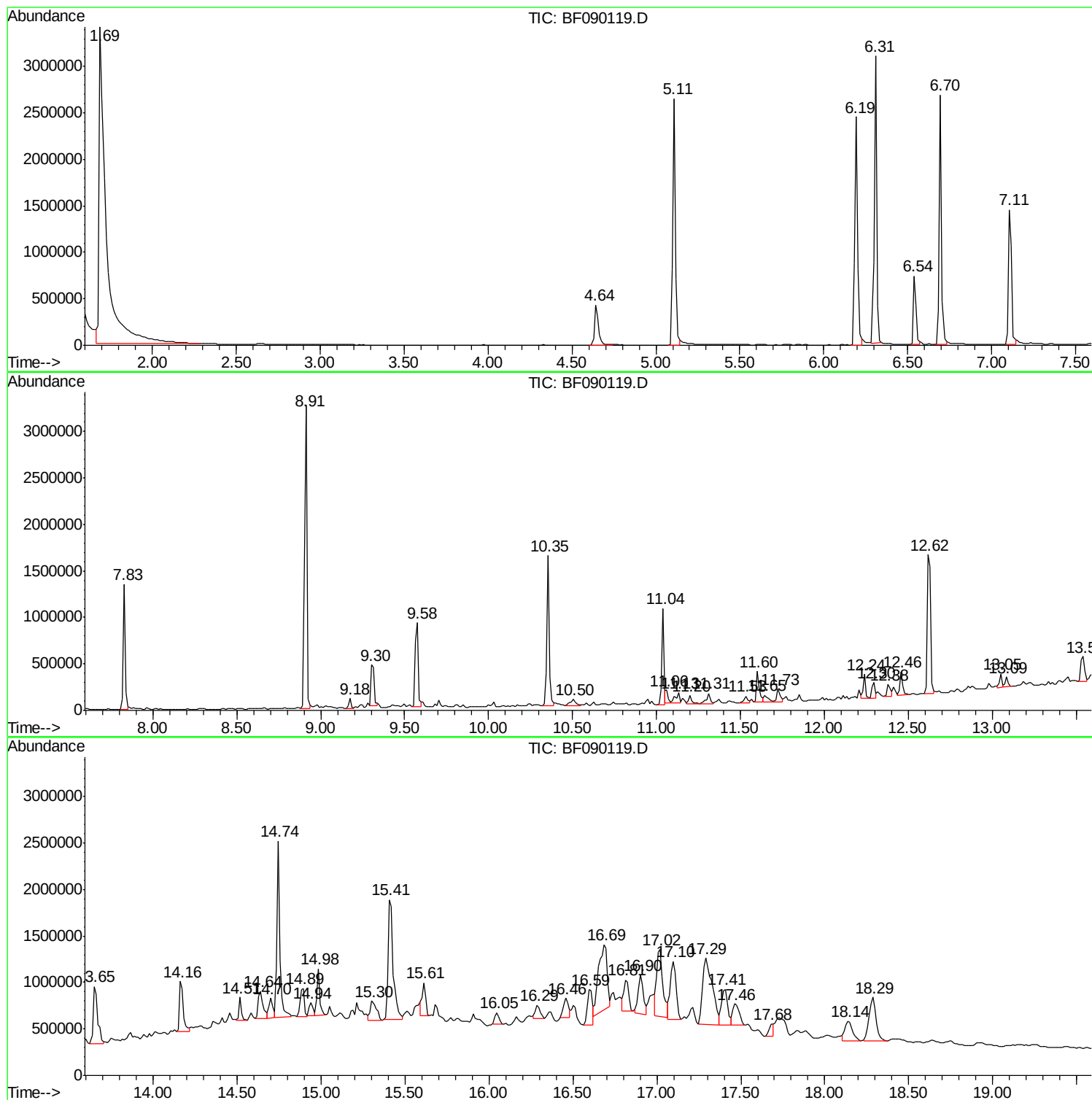
Sum of corrected areas: 65834006

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

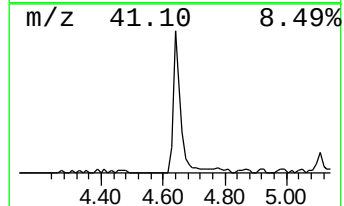
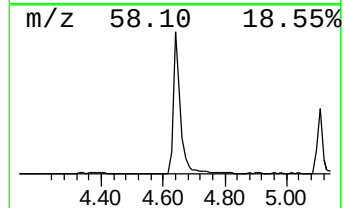
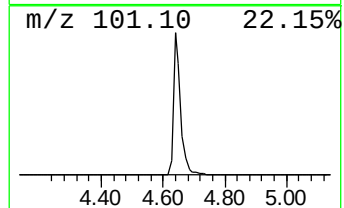
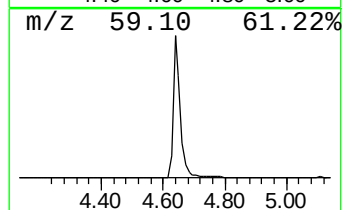
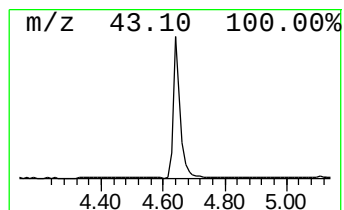
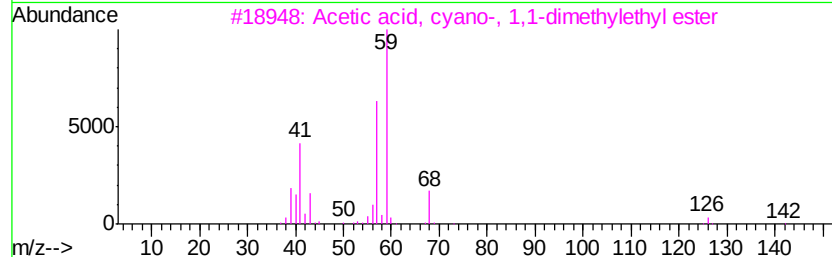
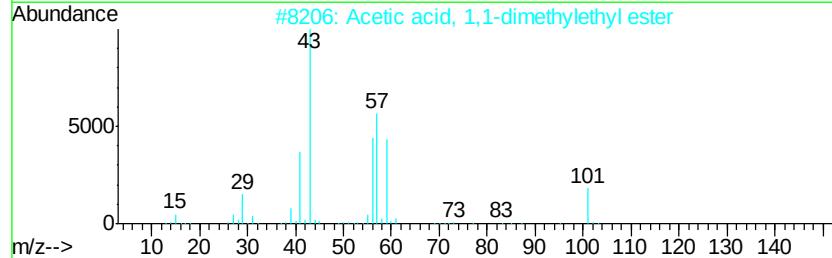
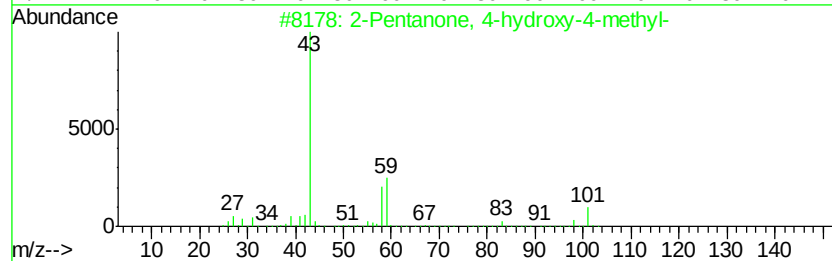
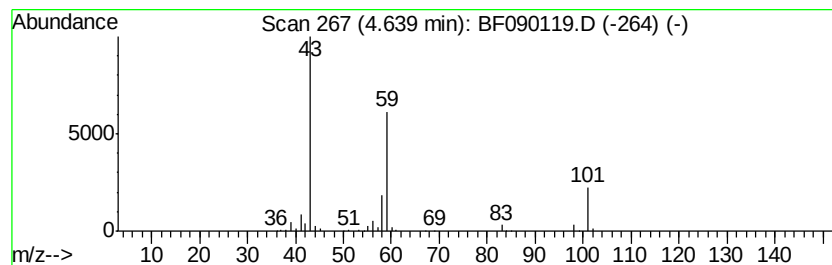
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	16.05 ng	690428	1,4-Dichlorobenzene-d4	6.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4		Acetone	58	C3H6O	000067-64-1	9
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

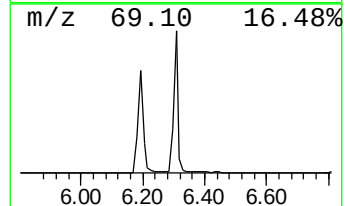
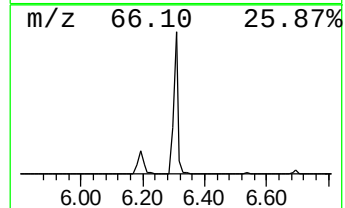
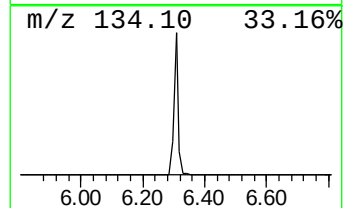
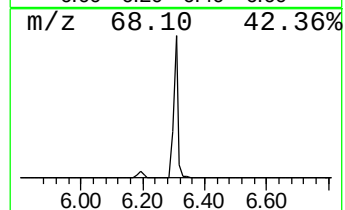
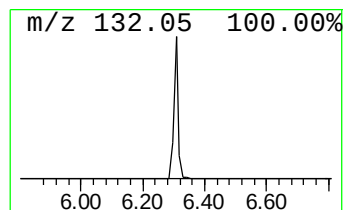
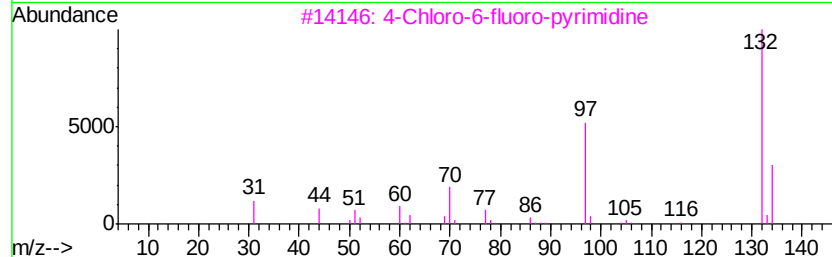
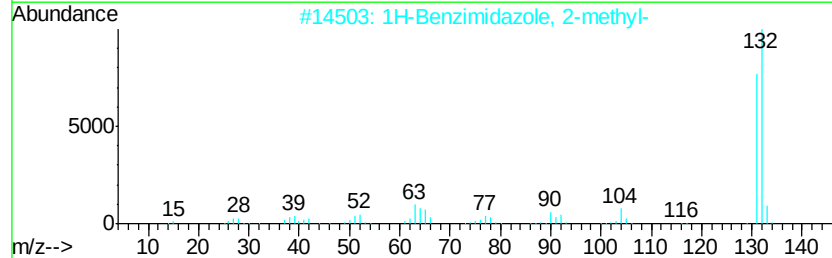
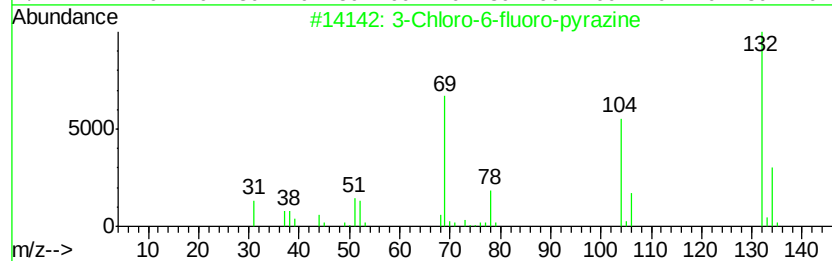
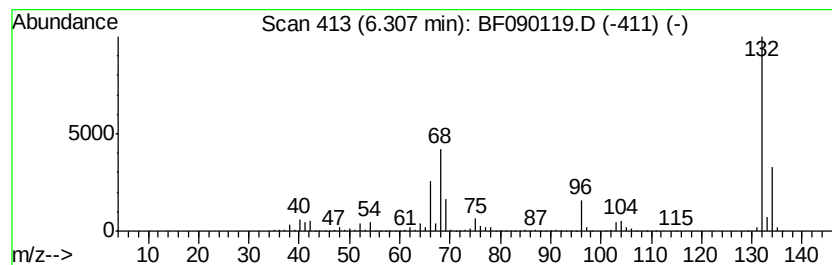
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.31 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	69.80 ng	3002290	1,4-Dichlorobenzene-d4	6.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3	Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-		132	C8H8N2	000615-15-6	10
3	4-Chloro-6-fluoro-pyrimidine		132	C4H2ClFN2	051422-01-6	9
4	5-Fluoro-2-chloropyrimidine		132	C4H2ClFN2	062802-42-0	9
5	4-Methylpyrrolo[1,2-a]pyrazine		132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

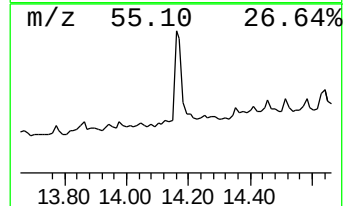
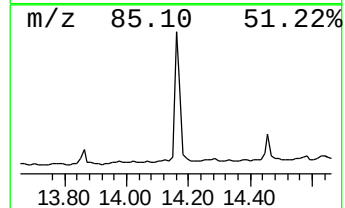
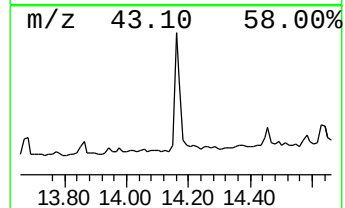
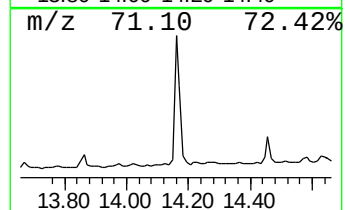
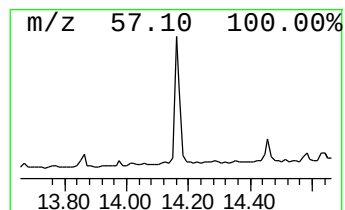
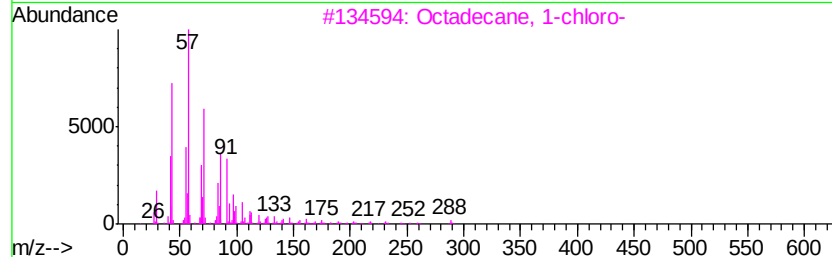
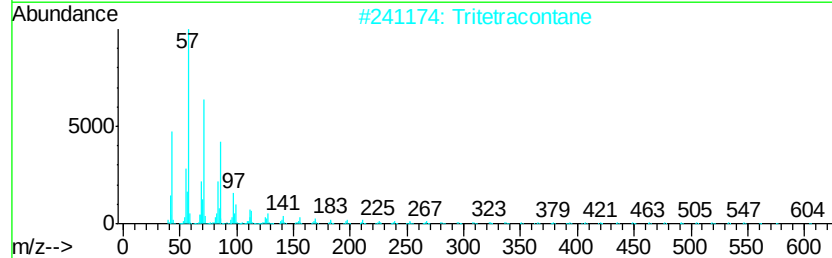
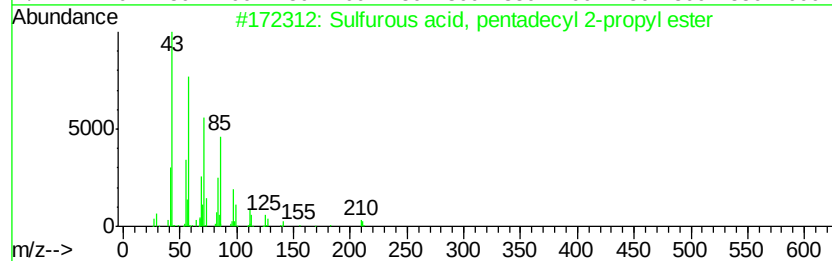
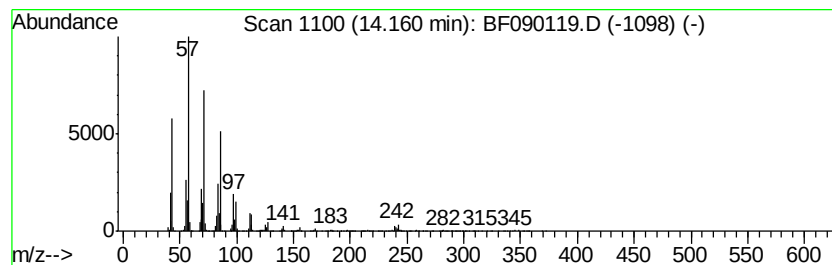
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Sulfurous acid, pentadecyl ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	15.20 ng	885451	Chrysene-d12	13.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
2		Tritetracontane	605	C43H88	007098-21-7	91
3		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	90
4		Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	86
5		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

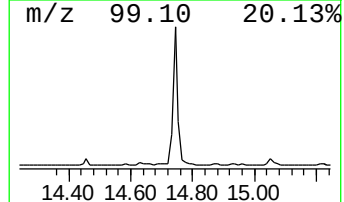
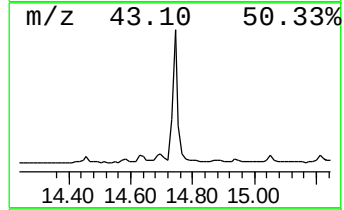
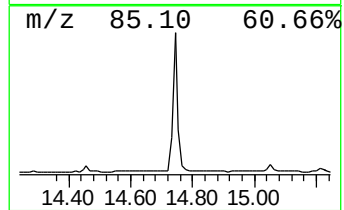
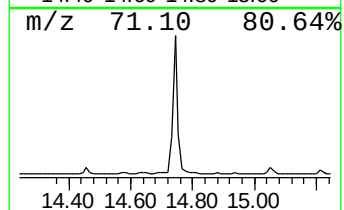
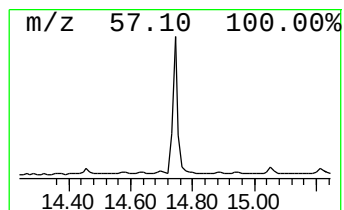
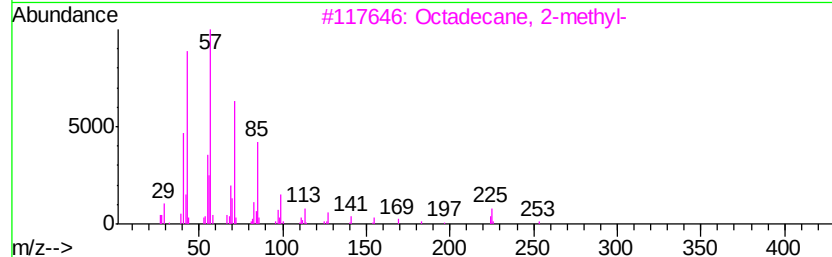
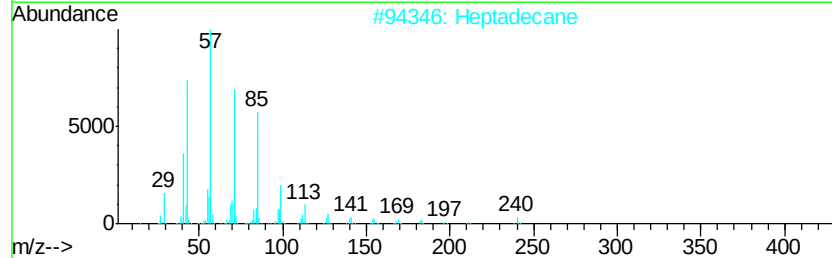
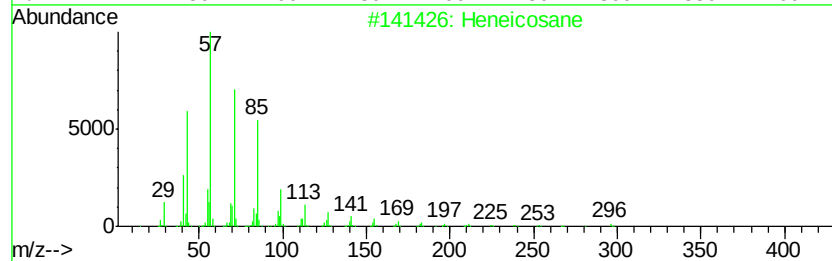
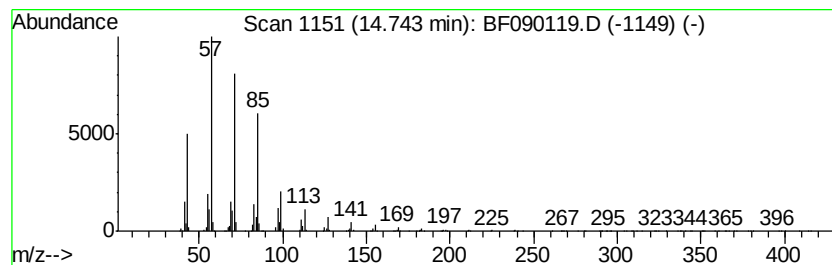
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	82.09 ng	2378930	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	95
2		Heptadecane	240	C17H36	000629-78-7	91
3		Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	89
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

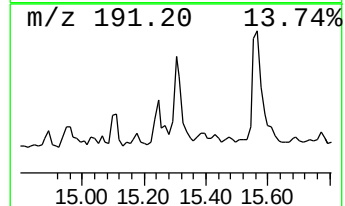
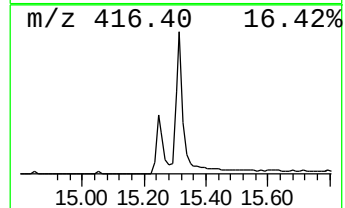
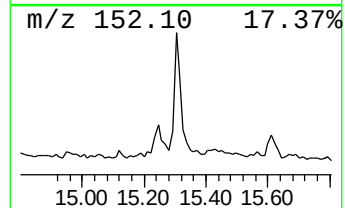
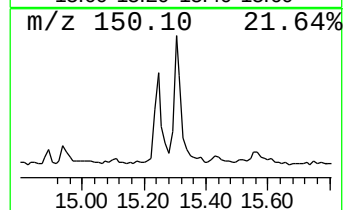
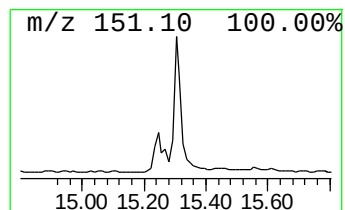
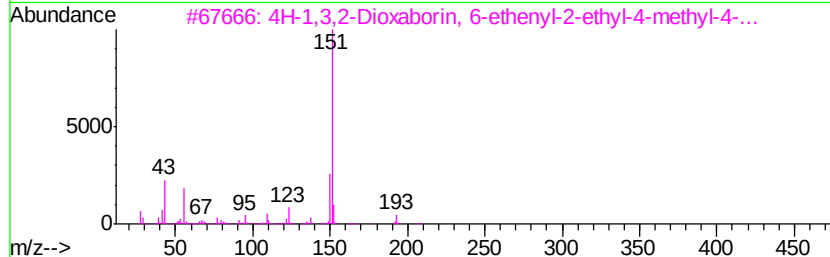
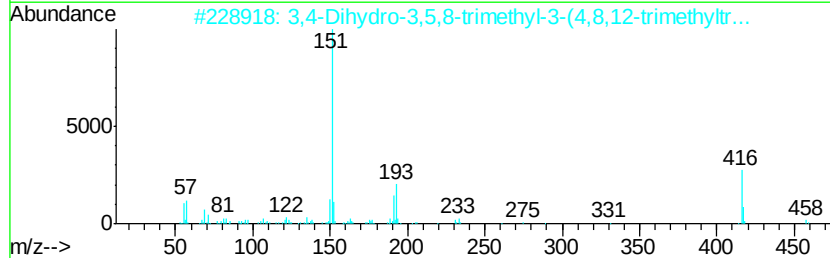
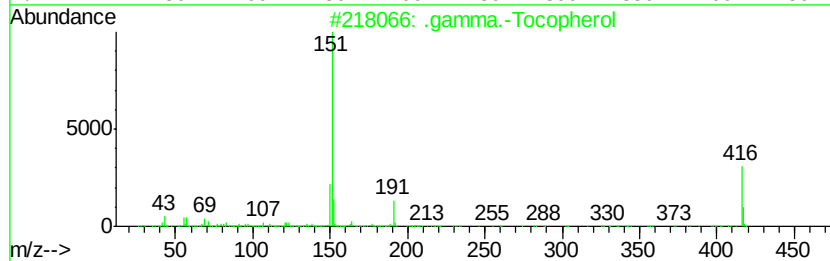
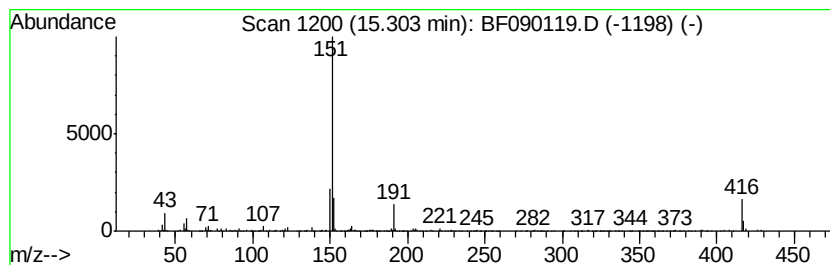
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 .gamma.-Tocopherol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	16.81 ng	487128	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Tocopherol	416	C28H48O2	007616-22-0	94
2		3,4-Dihydro-3,5,8-trimethyl-3-(4...	458	C30H50O3	1000105-71-9	56
3		4H-1,3,2-Dioxaborin, 6-ethenyl-2...	208	C12H21B02	074630-05-0	38
4		2H-1,4-Benzothiazine, 3,4-dihydro-	151	C8H9NS	003080-99-7	9
5		Ethanethioamide, N-phenyl-	151	C8H9NS	000637-53-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

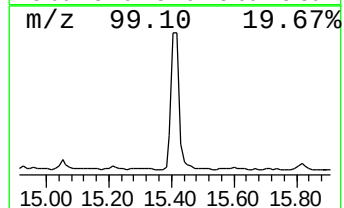
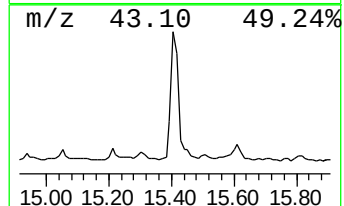
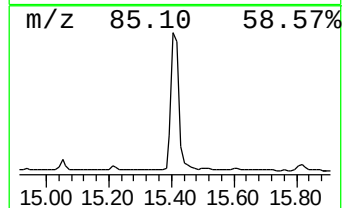
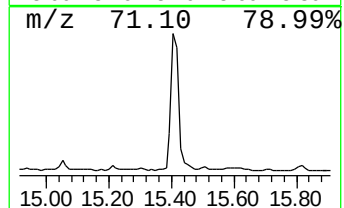
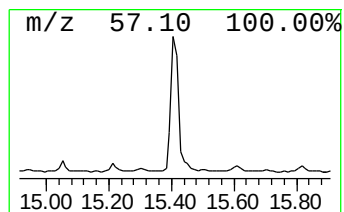
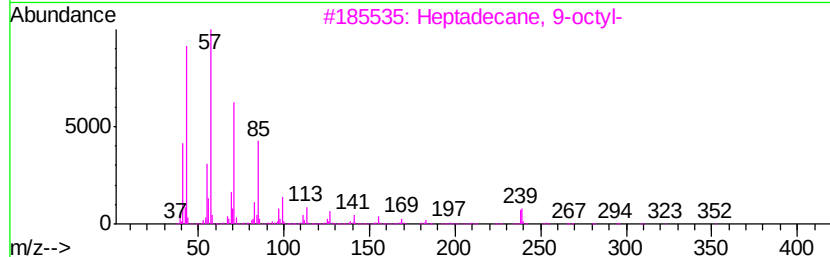
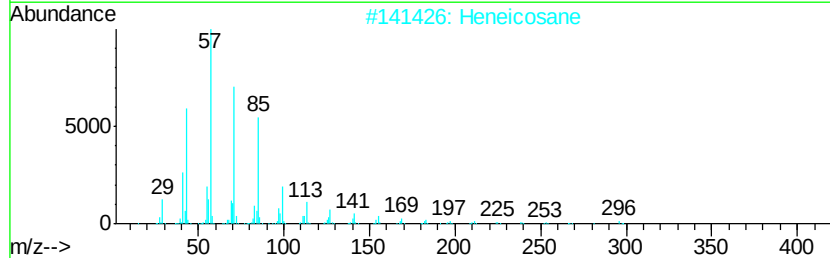
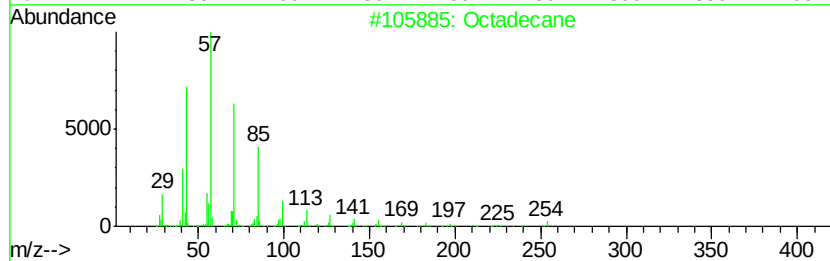
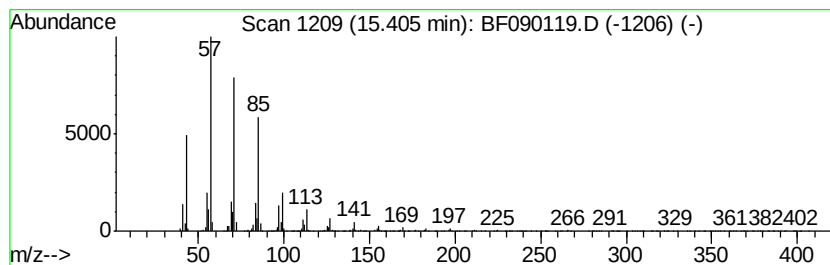
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Octadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	95.11 ng	2756290	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	93
2		Heneicosane	296	C21H44	000629-94-7	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
4		Pentacosane	352	C25H52	000629-99-2	90
5		Eicosane, 10-methyl-	296	C21H44	054833-23-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

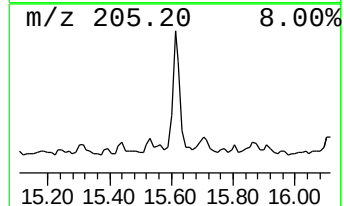
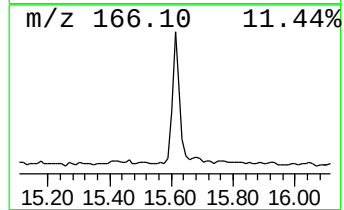
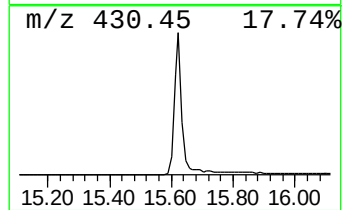
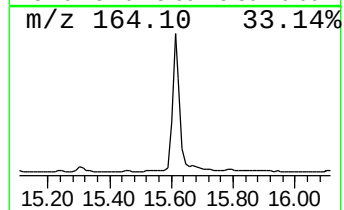
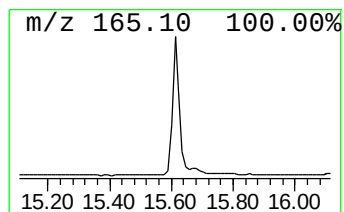
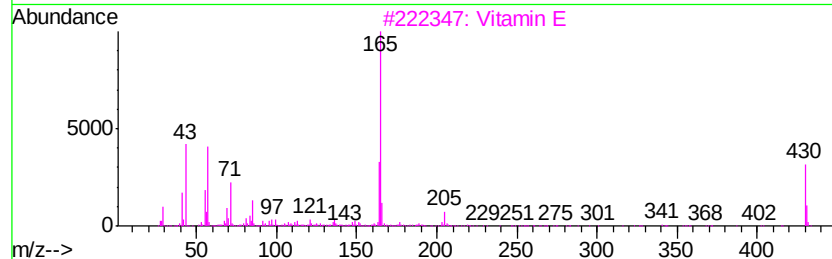
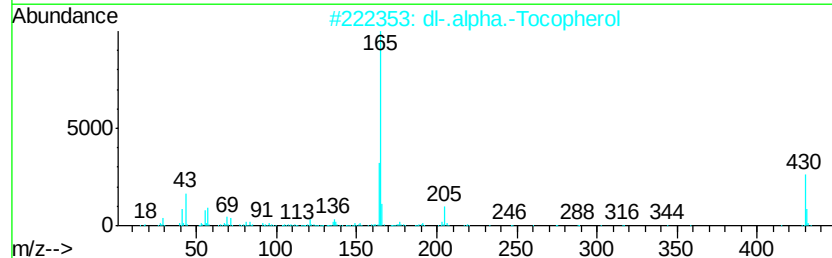
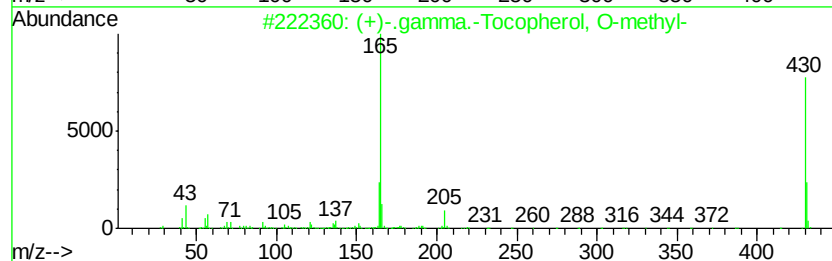
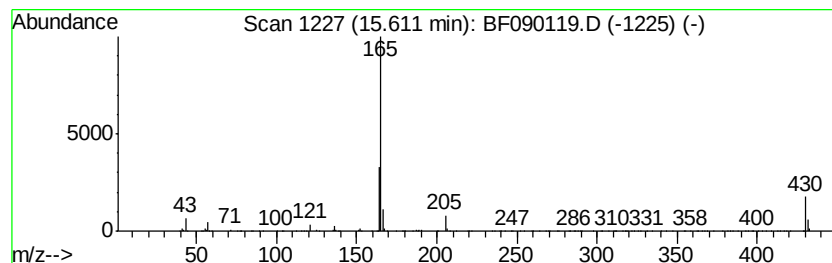
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (+)-.gamma.-Tocopherol, O-m... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	18.20 ng	527369	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	91
2		dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	91
3		Vitamin E	430	C29H50O2	000059-02-9	91
4		.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	74
5		Piperazine, 1-(3,4-dimethoxybenz...	430	C26H26N2O4	333756-87-9	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

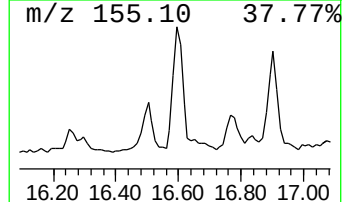
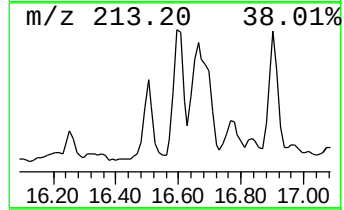
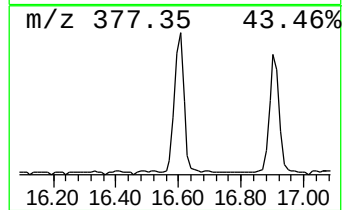
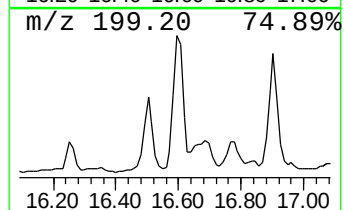
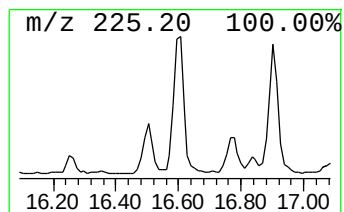
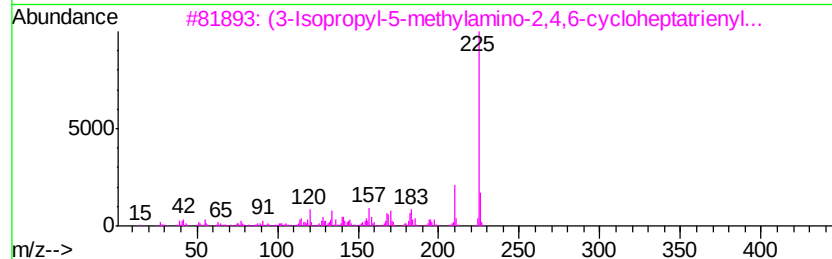
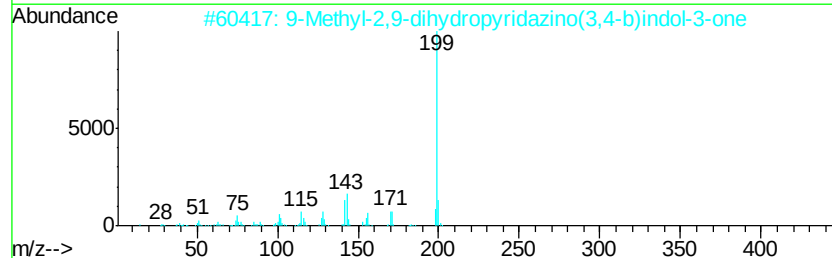
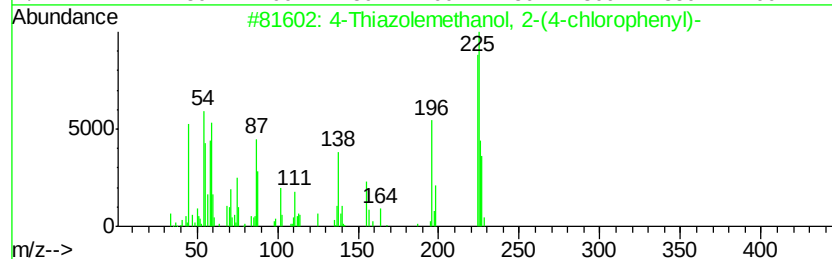
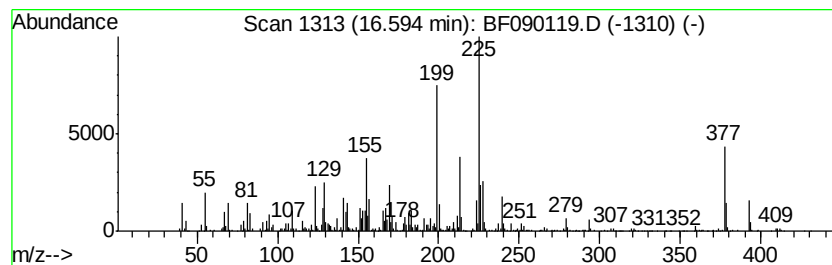
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown16.59 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	27.79 ng	805262	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Thiazolemethanol, 2-(4-chlorop...	225	C10H8ClNOS	036093-99-9	35
2		9-Methyl-2,9-dihydropyridazino(3...	199	C11H9N3O	022294-02-6	25
3		(3-Isopropyl-5-methylamino-2,4,6...	225	C14H15N3	014204-00-3	20
4		4-Amino-4'-methoxystilbene	225	C15H15NO	007570-37-8	18
5		3-Methoxydiphenylamine	199	C13H13NO	000101-16-6	15



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

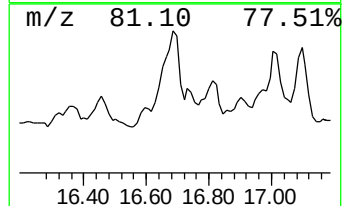
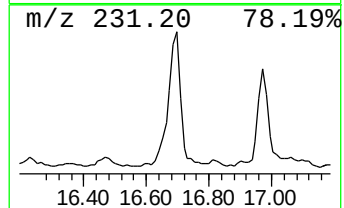
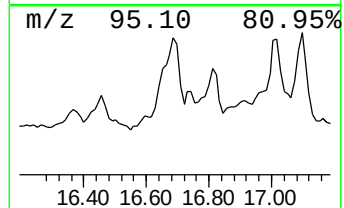
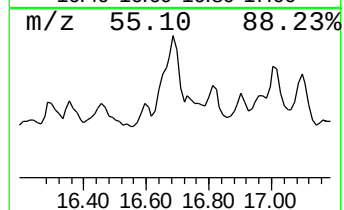
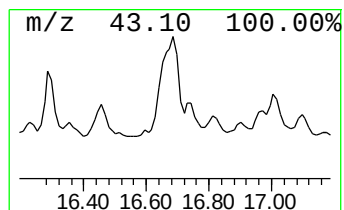
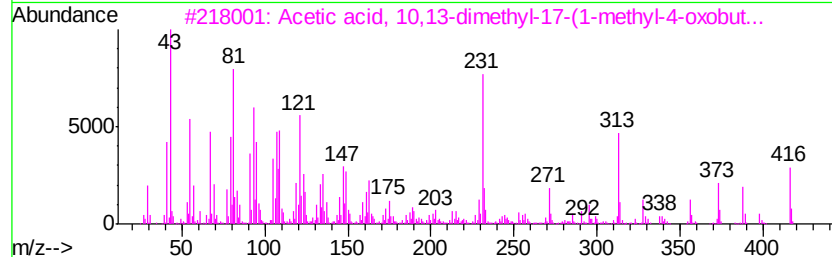
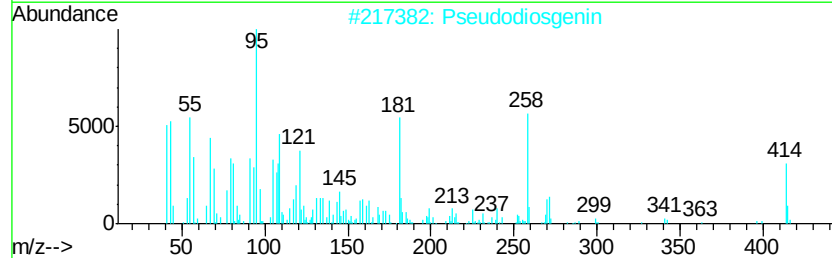
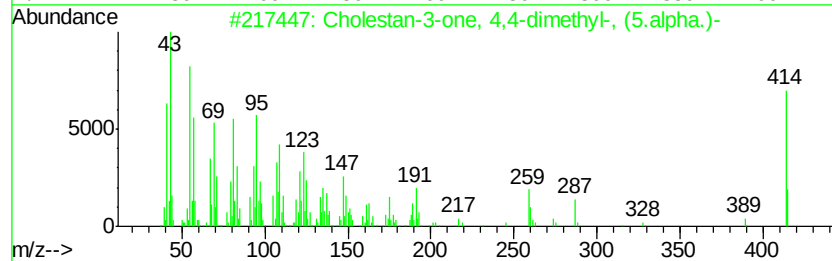
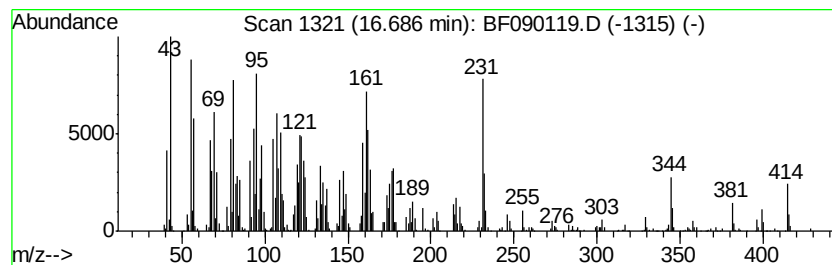
Instrument :
BNA_F
ClientSampleId :
HAWORTH09

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown16.69 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.69	89.20 ng	2585210	Perylene-d12	14.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cholestan-3-one, 4,4-dimethyl-, ...	414	C29H50O	002097-85-0	38
2		Pseudodiosgenin	414	C27H42O3	006808-14-6	38
3		Acetic acid, 10,13-dimethyl-17-(...	416	C26H40O4	1000195-24-1	30
4		17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	25
5		1,5-Dihydropyrrol-2-one, 4-(fura...	357	C15H11N5O4S	1000303-76-0	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

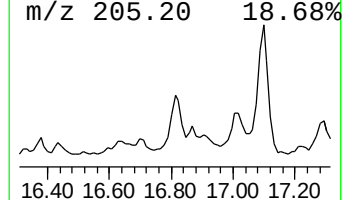
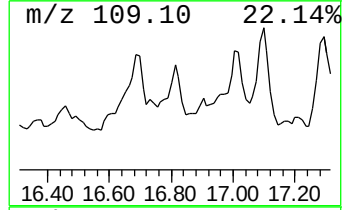
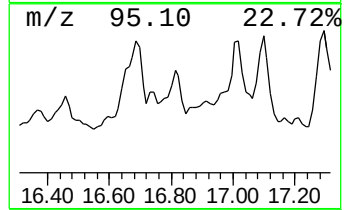
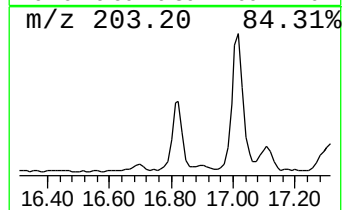
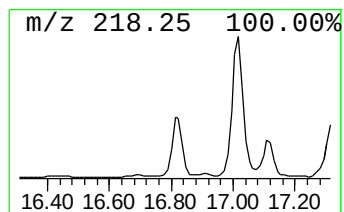
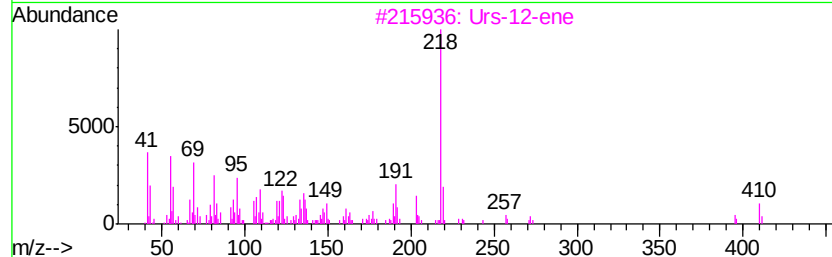
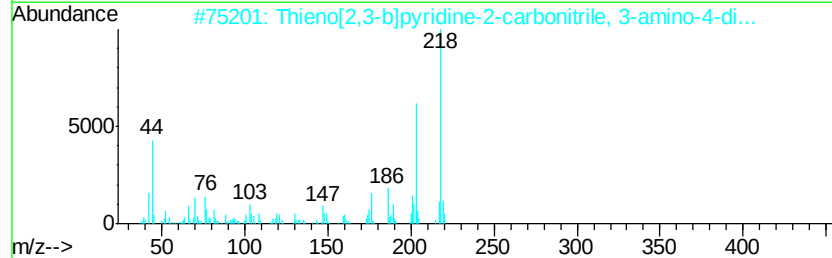
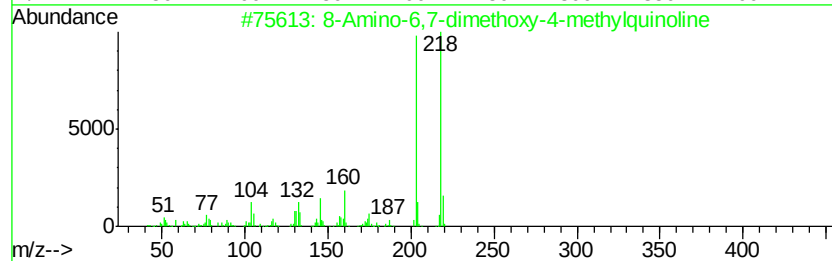
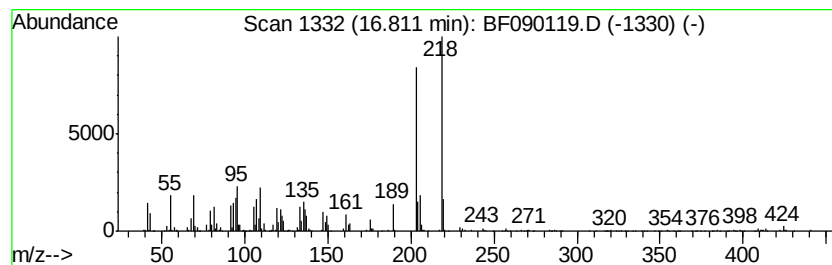
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 8-Amino-6,7-dimethoxy-4-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	23.08 ng	668734	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	59
2		Thieno[2,3-b]pyridine-2-carbonit...	218	C10H10N4S	147992-88-9	53
3		Urs-12-ene	410	C30H50	000464-97-1	50
4		(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	50
5		.beta.-Amyrin	426	C30H50O	000559-70-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

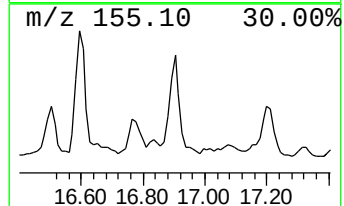
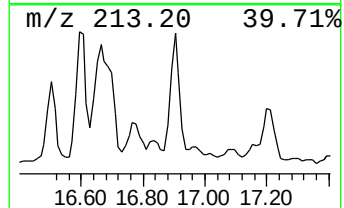
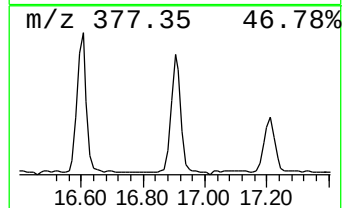
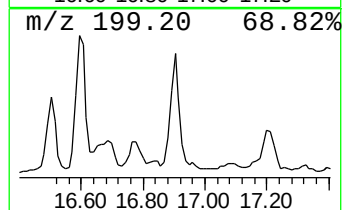
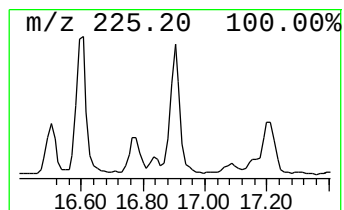
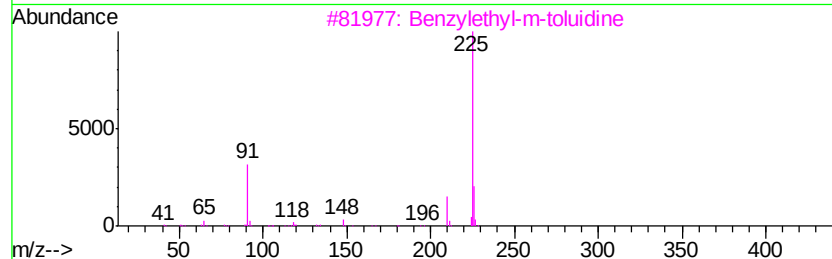
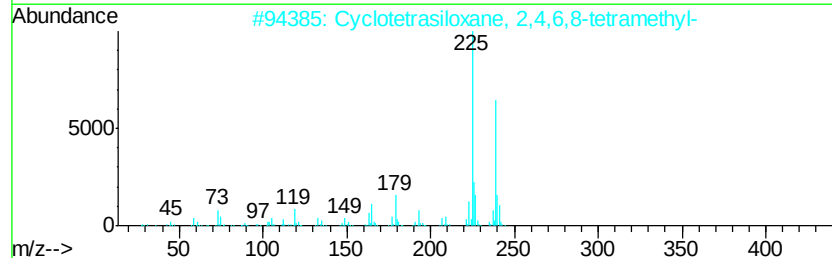
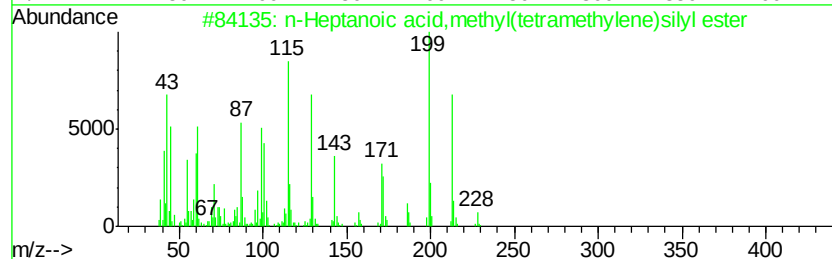
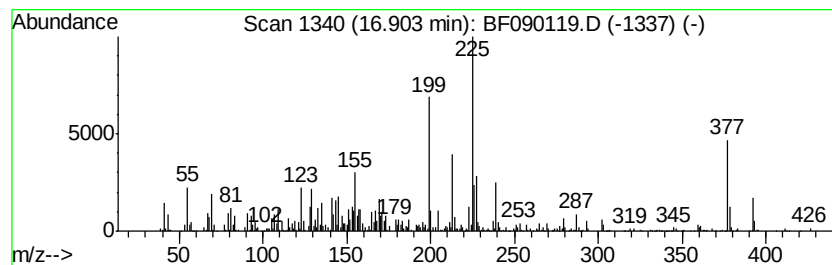
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 n-Heptanoic acid,methyl(tet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	31.11 ng	901693	Perylene-d12	14.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Heptanoic acid,methyl(tetramet...	228	C12H24O2Si	1000217-03-6	53
2			Cyclotetrasiloxane, 2,4,6,8-tetr...	240	C4H16O4Si4	002370-88-9	42
3			Benzylethyl-m-toluidine	225	C16H19N	069295-70-1	25
4			Pyrimidine, 5-butyl-2-(4-pentylp...	282	C19H26N2	098495-14-8	22
5			Phosphonic acid, methyl-, bis(tr...	240	C7H21O3PSi2	018279-83-9	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

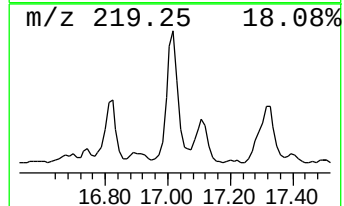
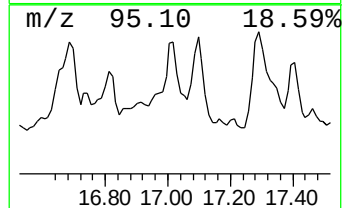
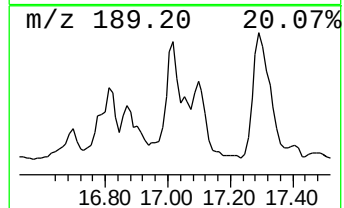
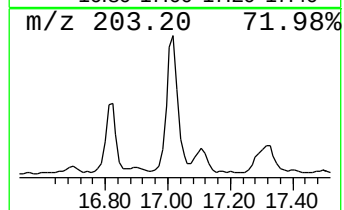
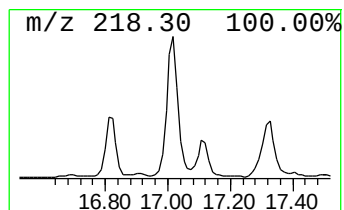
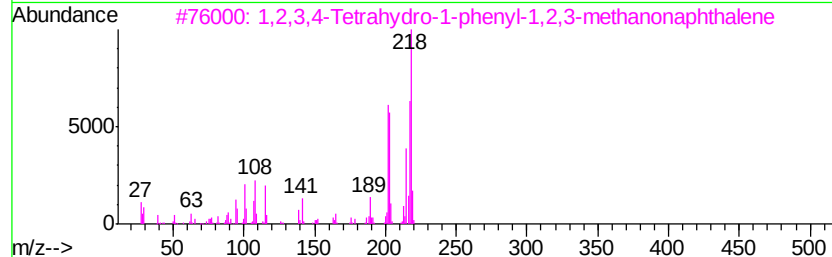
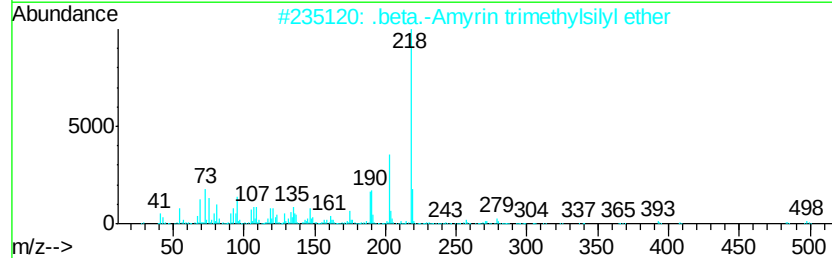
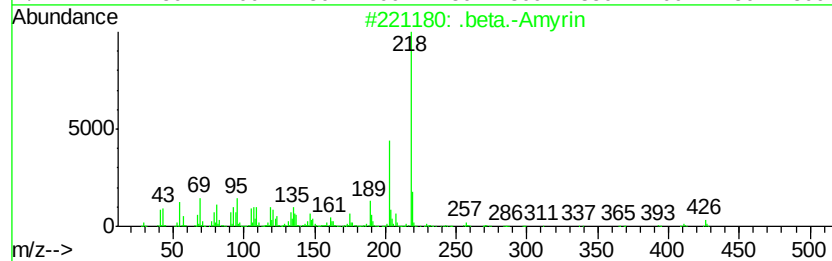
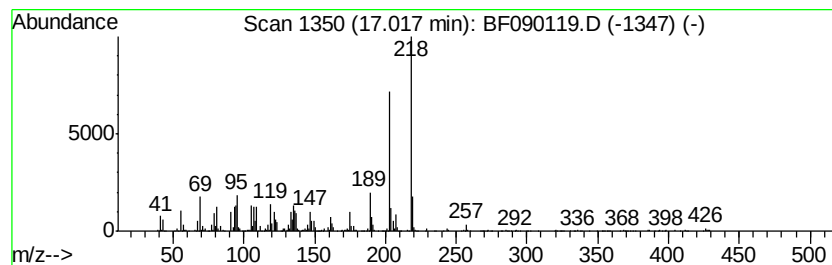
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 .beta.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	66.12 ng	1916080	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Amyrin	426	C30H50O	000559-70-6	81
2		.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	80
3		1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	74
4		5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	68
5		9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

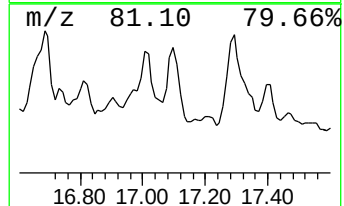
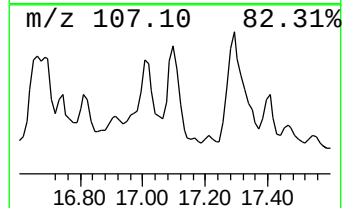
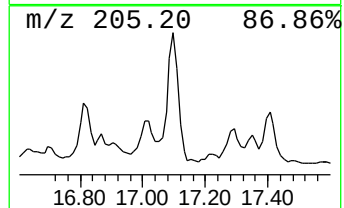
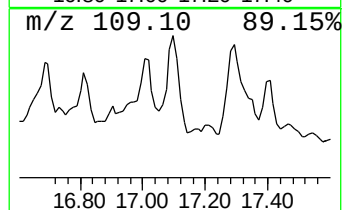
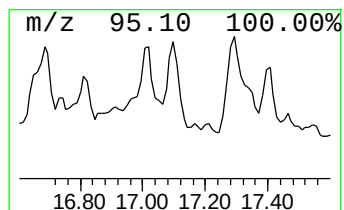
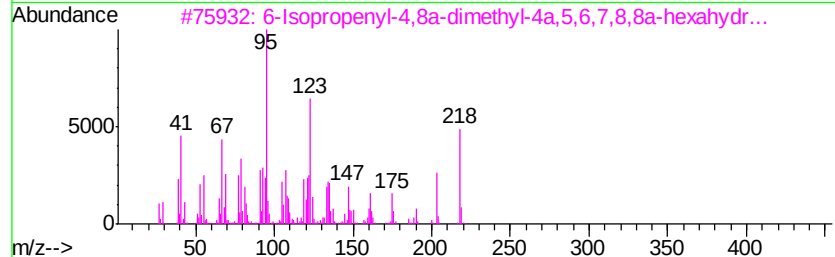
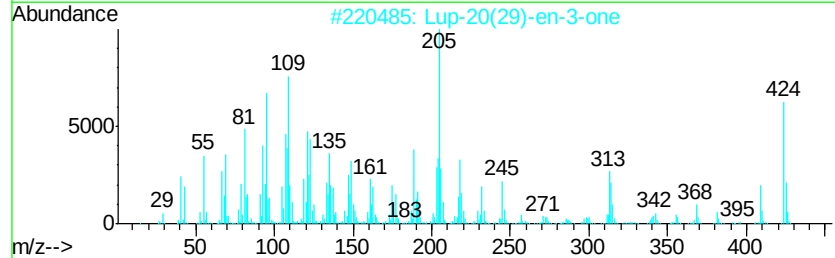
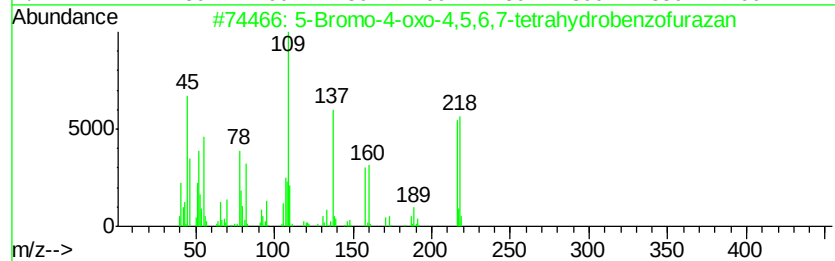
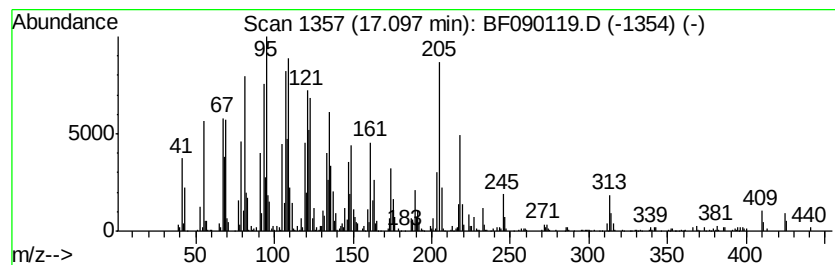
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	52.85 ng	1531700	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	60
2		Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	52
3		6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	47
4		Sesquirosefuran	218	C15H22O	039007-93-7	38
5		2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

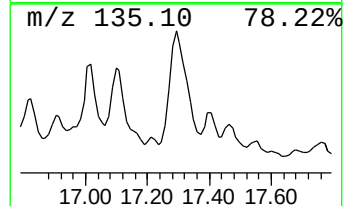
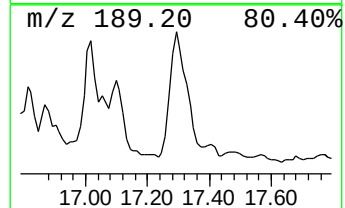
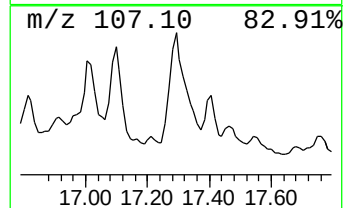
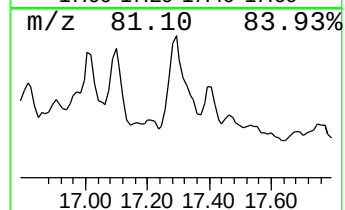
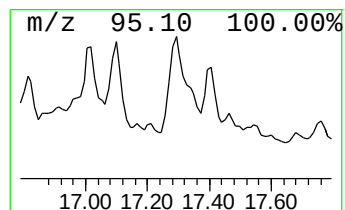
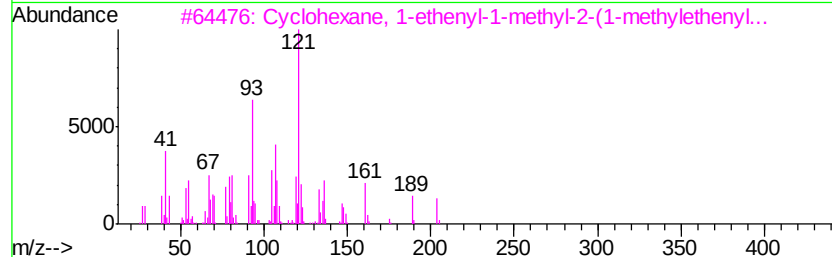
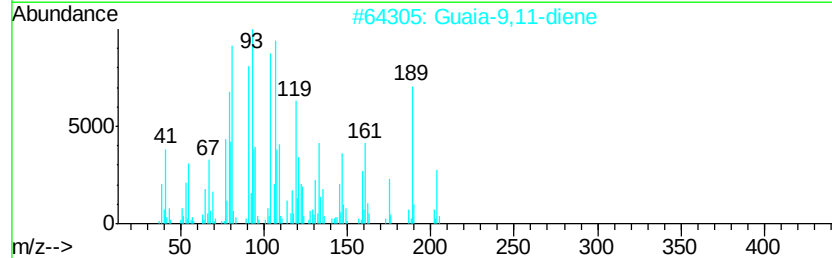
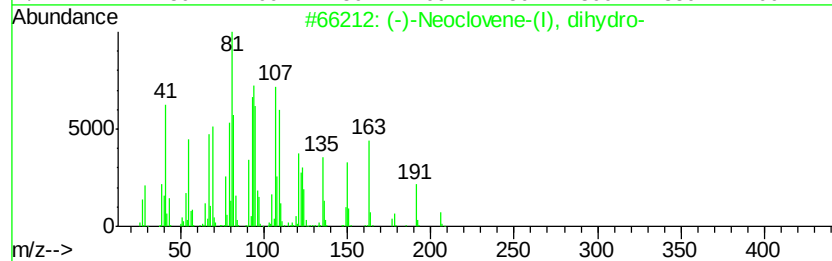
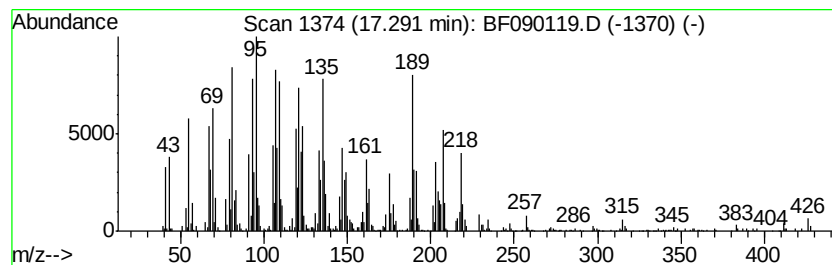
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (-)-Neoclovene-(I), dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	102.24 ng	2962890	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	50
2		Guaia-9,11-diene	204	C15H24	1000374-19-8	49
3		Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	45
4		.gamma.-Elemene	204	C15H24	029873-99-2	44
5		Caparratriene	206	C15H26	1000374-08-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

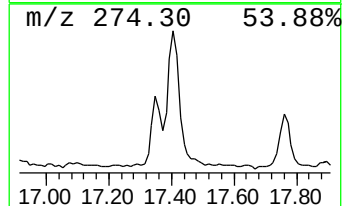
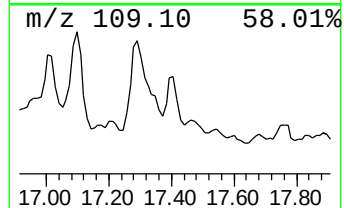
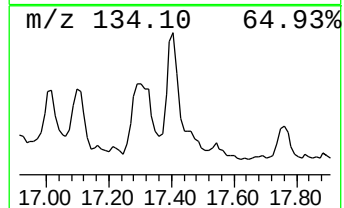
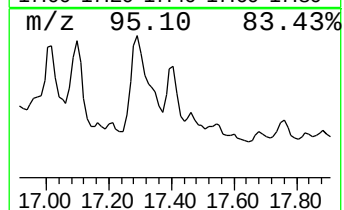
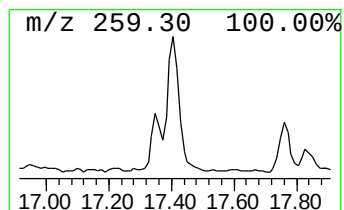
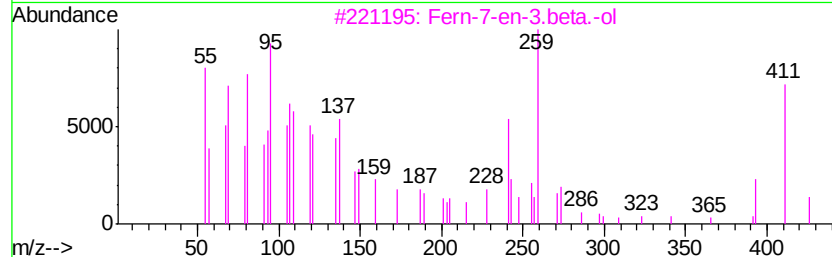
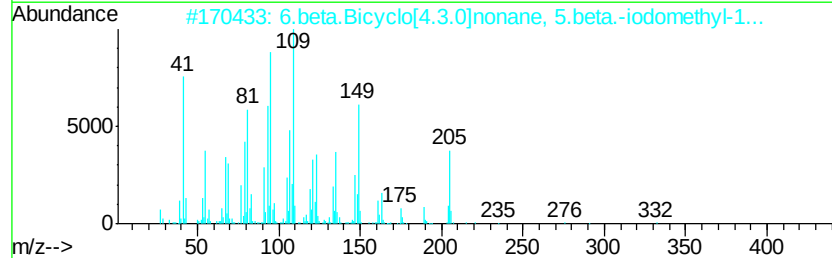
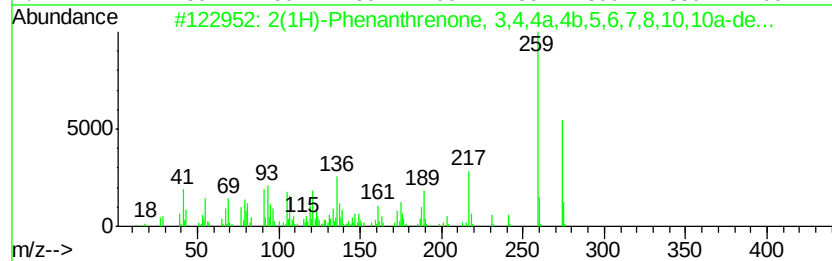
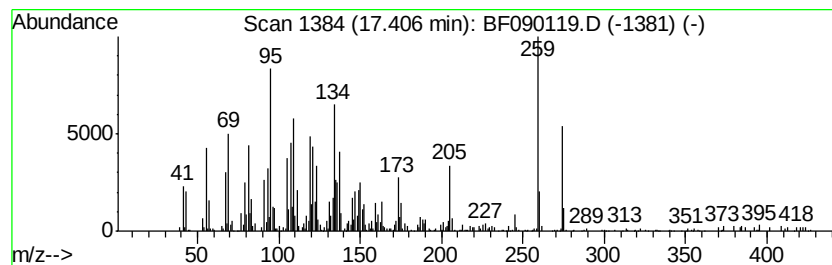
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 2(1H)-Phenanthrenone, 3,4,4... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	31.91 ng	924708	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	53
2		6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	53
3		Fern-7-en-3.beta.-ol	426	C30H50O	004966-00-1	38
4		Propanamide, N-(1-ethyl-1,2,3,4-...	274	C17H26N2O	063134-09-8	30
5		10H-Phenoxaphosphine, 2-ethyl-10...	274	C15H15O3P	036360-91-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

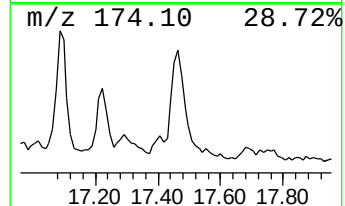
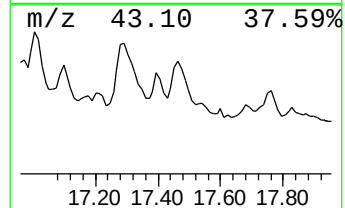
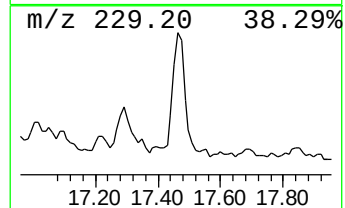
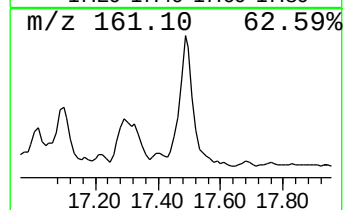
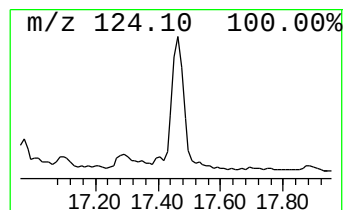
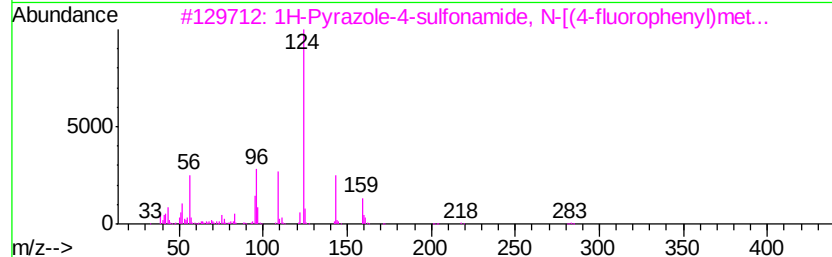
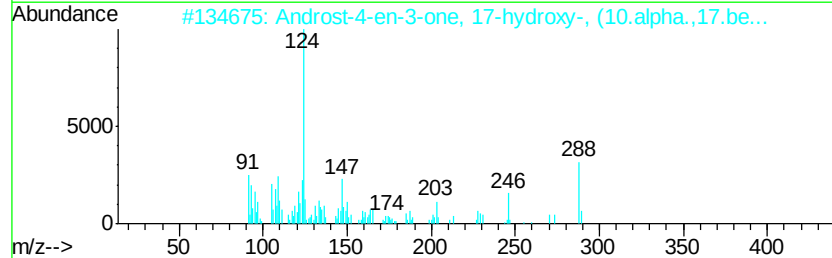
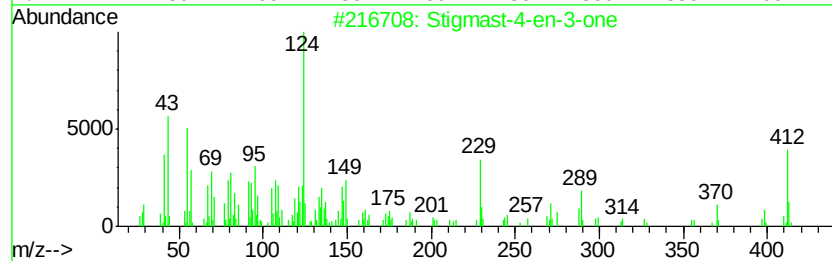
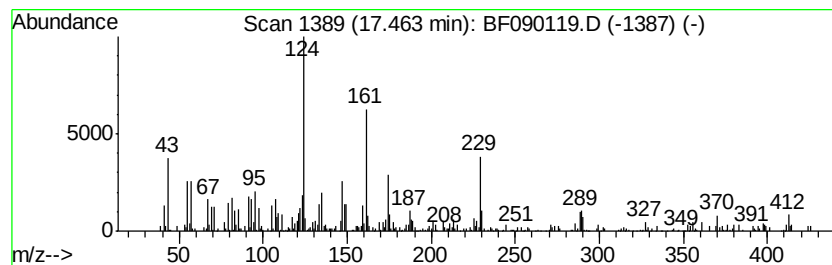
Instrument :
BNA_F
ClientSampleId :
HAWORTH09

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Stigmast-4-en-3-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	21.38 ng	619579	Perylene-d12	14.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmast-4-en-3-one	412 C29H48O	001058-61-3 64
2		Androst-4-en-3-one, 17-hydroxy-, ...	288 C19H28O2	000604-39-7 35
3		1H-Pyrazole-4-sulfonamide, N-[(4...	283 C12H14FN3O2S	1000320-04-7 22
4		Testosterone	288 C19H28O2	000058-22-0 18
5		Testosterone cypionate	412 C27H40O3	000058-20-8 15



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

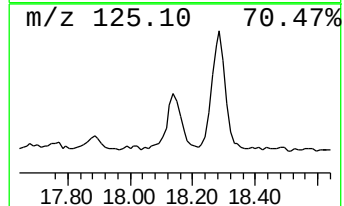
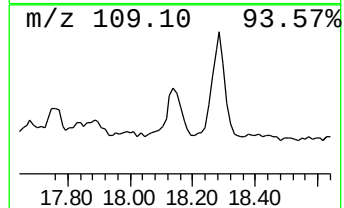
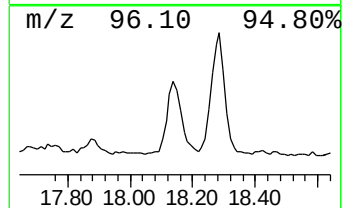
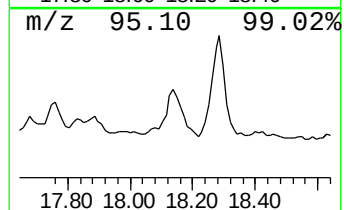
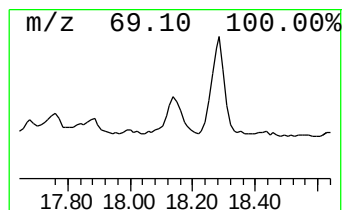
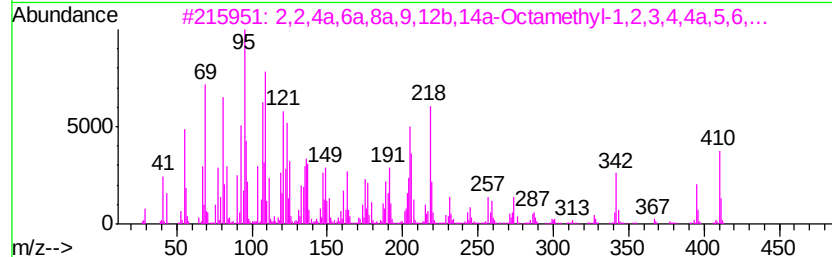
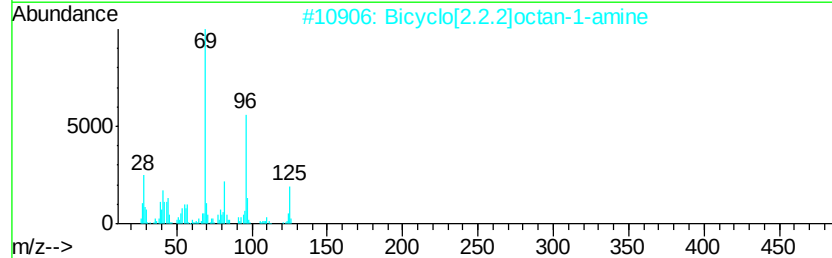
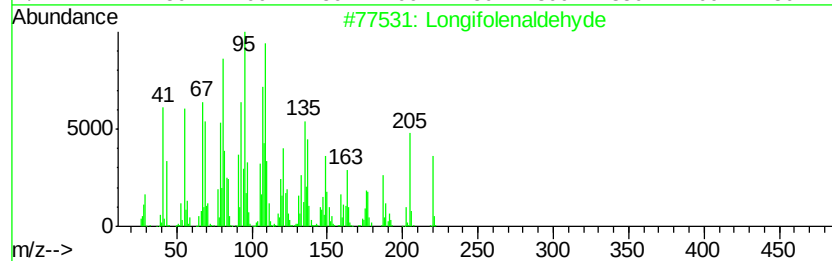
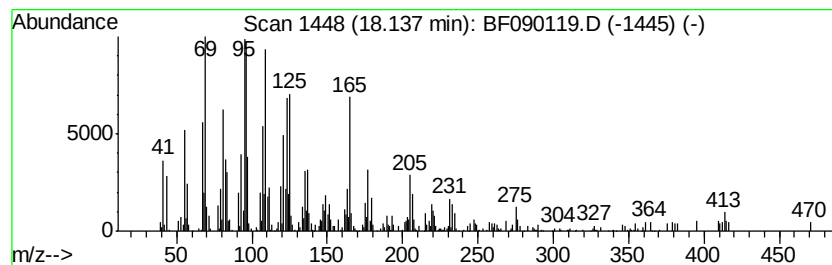
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown18.14 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	23.96 ng	694262	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Longifolenaldehyde	220	C15H24O	019890-84-7	41
2		Bicyclo[2.2.2]octan-1-amine	125	C8H15N	001193-42-6	38
3		2,2,4a,6a,8a,9,12b,14a-Octamethyl...	410	C30H50	053013-35-7	38
4		Naphthalene, decahydro-2,6-dimet...	278	C20H38	054964-85-1	25
5		Propionitrile, 2-(3-fluorophenyl...	275	C13H14FN5O	341500-82-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
Data File : BF090119.D
Acq On : 16 Sep 2016 21:19
Operator : UM/SJ
Sample : H4805-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAWORTH09

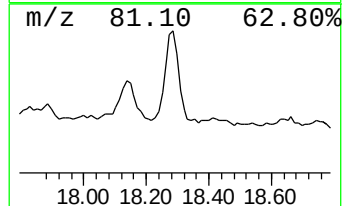
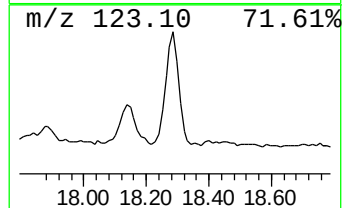
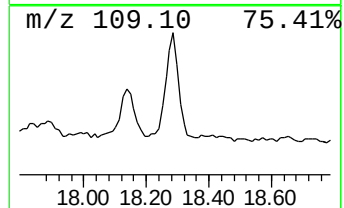
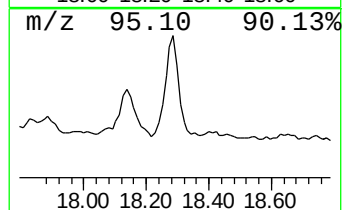
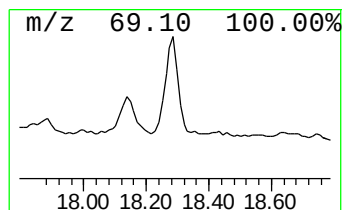
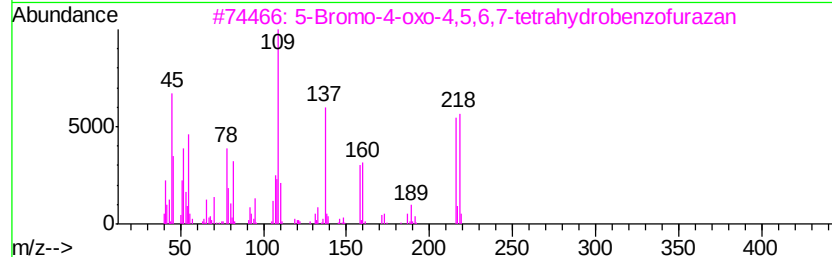
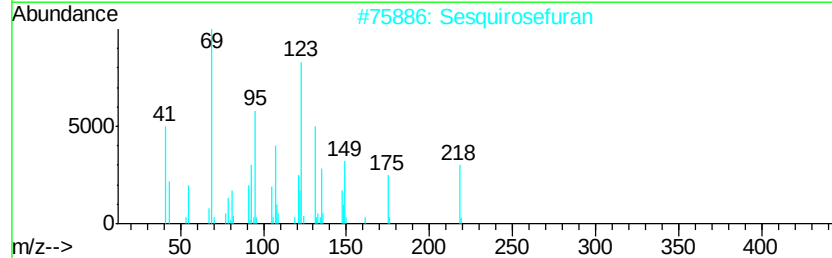
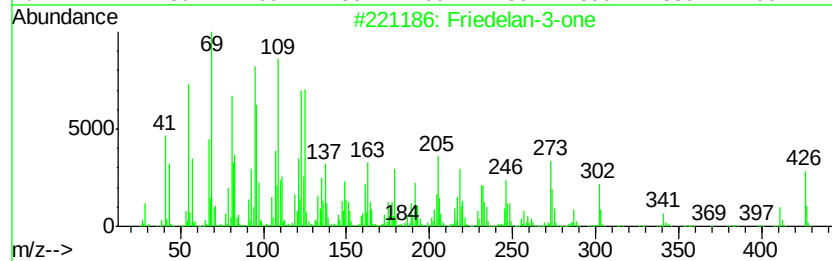
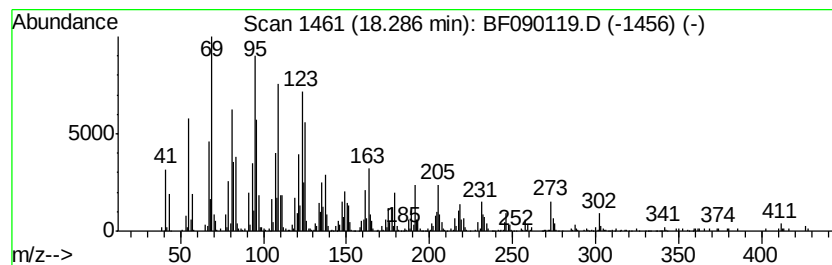
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Friedelan-3-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	47.53 ng	1377510	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Friedelan-3-one	426	C30H50O	000559-74-0	91
2		Sesquirosefuran	218	C15H22O	039007-93-7	66
3		5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	59
4		Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	47
5		1,1,6-trimethyl-3-methylene-2-(3...	452	C33H56	1000373-94-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091616\
 Data File : BF090119.D
 Acq On : 16 Sep 2016 21:19
 Operator : UM/SJ
 Sample : H4805-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAWORTH09

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.64	16.1 ng		690428	1	6.54	860264	20.0
unknown6.31	6.31	69.8 ng		3002290	1	6.54	860264	20.0
Sulfurous acid, p...	14.16	15.2 ng		885451	5	13.66	1164740	20.0
Heneicosane	14.74	82.1 ng		2378930	6	14.98	579616	20.0
.gamma.-Tocopherol	15.30	16.8 ng		487128	6	14.98	579616	20.0
Octadecane	15.41	95.1 ng		2756290	6	14.98	579616	20.0
(+)-.gamma.-Tocop...	15.61	18.2 ng		527369	6	14.98	579616	20.0
unknown16.59	16.59	27.8 ng		805262	6	14.98	579616	20.0
unknown16.69	16.69	89.2 ng		2585210	6	14.98	579616	20.0
8-Amino-6,7-dimet...	16.81	23.1 ng		668734	6	14.98	579616	20.0
n-Heptanoic acid,...	16.90	31.1 ng		901693	6	14.98	579616	20.0
.beta.-Amyrin	17.02	66.1 ng		1916080	6	14.98	579616	20.0
5-Bromo-4-oxo-4,5...	17.10	52.9 ng		1531700	6	14.98	579616	20.0
(-)-Neoclovene-(I...	17.29	102.2 ng		2962890	6	14.98	579616	20.0
2(1H)-Phenanthren...	17.41	31.9 ng		924708	6	14.98	579616	20.0
Stigmast-4-en-3-one	17.46	21.4 ng		619579	6	14.98	579616	20.0
unknown18.14	18.14	24.0 ng		694262	6	14.98	579616	20.0
Friedelan-3-one	18.29	47.5 ng		1377510	6	14.98	579616	20.0