

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090516.D
 Acq On : 11 Oct 2016 21:46
 Operator : UM/SJ
 Sample : H5146-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

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-BF101116.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	4.531	188	192	194	rBV	362761	477735	3.64%	0.295%
2	5.137	243	245	249	rVB	382278	430864	3.28%	0.266%
3	5.240	251	254	256	rVB	2933412	2828249	21.55%	1.749%
4	5.423	268	270	272	rVB	371466	380311	2.90%	0.235%
5	5.560	277	282	284	rBV2	1624981	2483020	18.92%	1.535%
6	5.686	284	293	294	rBV2	75298	165930	1.26%	0.103%
7	5.720	294	296	300	rVV2	87990	144267	1.10%	0.089%
8	5.789	300	302	304	rVV	140385	145144	1.11%	0.090%
9	5.834	304	306	311	rVB	99017	136944	1.04%	0.085%
10	6.006	319	321	323	rVV	212098	277315	2.11%	0.171%
11	6.074	324	327	329	rBV	123601	142326	1.08%	0.088%
12	6.120	329	331	332	rVV	604304	550603	4.20%	0.340%
13	6.166	332	335	337	rVV	236140	318062	2.42%	0.197%
14	6.223	337	340	341	rVV	220918	196912	1.50%	0.122%
15	6.257	341	343	347	rVB3	304947	525710	4.01%	0.325%
16	6.577	366	371	373	rBV	1398476	1348192	10.27%	0.834%
17	6.635	374	376	379	rVB	481137	494283	3.77%	0.306%
18	6.715	381	383	385	rVB	2862592	3430342	26.14%	2.121%
19	6.772	385	388	390	rBV	298340	350498	2.67%	0.217%
20	6.829	390	393	395	rBV3	184829	319814	2.44%	0.198%
21	6.955	401	404	406	rBV	1257605	1459613	11.12%	0.903%
22	7.012	407	409	412	rVB3	181868	212226	1.62%	0.131%
23	7.115	415	418	419	rBV	2805221	3989223	30.40%	2.467%
24	7.137	419	420	424	rVB4	231722	286397	2.18%	0.177%
25	7.206	424	426	430	rBV3	110976	175880	1.34%	0.109%
26	7.286	430	433	437	rVB2	417414	1011751	7.71%	0.626%
27	7.515	437	453	454	rBV	4059662	9234440	70.37%	5.710%
28	7.572	454	458	461	rVB	1158344	3395721	25.88%	2.100%
29	7.675	461	467	468	rBV2	1329281	3305121	25.19%	2.044%
30	7.709	468	470	473	rVB3	1680398	2855383	21.76%	1.766%
31	7.755	473	474	476	rVB	751090	665542	5.07%	0.412%
32	7.800	476	478	479	rBV2	514798	863235	6.58%	0.534%
33	7.892	479	486	487	rBV2	1472483	3470013	26.44%	2.146%
34	7.972	491	493	496	rVB3	373548	538198	4.10%	0.333%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090516.D
 Acq On : 11 Oct 2016 21:46
 Operator : UM/SJ
 Sample : H5146-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

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-BF101116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.029	496	498	499	rBV2	285385	389975	2.97%	0.241%
36	8.075	499	502	503	rBV3	241273	402539	3.07%	0.249%
37	8.166	506	510	513	rBV5	319444	993941	7.57%	0.615%
38	8.235	513	516	520	rBV2	1890682	3455627	26.33%	2.137%
39	8.292	520	521	524	rVB2	507255	764121	5.82%	0.472%
40	8.418	526	532	533	rBV4	721564	1918232	14.62%	1.186%
41	8.486	533	538	542	rBV5	1218894	4800593	36.58%	2.968%
42	8.555	542	544	548	rBV3	528227	1068220	8.14%	0.661%
43	8.726	548	559	562	rBV7	2348682	13123232	100.00%	8.115%
44	8.840	567	569	571	rVV2	2564890	4422957	33.70%	2.735%
45	8.875	571	572	573	rVV	1464011	1245966	9.49%	0.770%
46	8.909	573	575	577	rVV2	1729713	2873719	21.90%	1.777%
47	8.955	577	579	580	rVV2	2098069	3673637	27.99%	2.272%
48	8.989	580	582	583	rVV	2482355	3486601	26.57%	2.156%
49	9.023	583	585	589	rVB3	1956418	3302329	25.16%	2.042%
50	9.092	589	591	592	rBV	331473	332151	2.53%	0.205%
51	9.138	594	595	596	rVB	623348	427617	3.26%	0.264%
52	9.183	596	599	601	rBV3	590357	1364238	10.40%	0.844%
53	9.320	605	611	613	rBV	5896656	8898960	67.81%	5.503%
54	9.355	613	614	616	rVB2	1342351	1182364	9.01%	0.731%
55	9.412	616	619	620	rBV2	553798	1162527	8.86%	0.719%
56	9.446	620	622	623	rBV2	389276	472863	3.60%	0.292%
57	9.503	623	627	631	rBV6	708626	2193530	16.71%	1.356%
58	9.572	631	633	636	rVB2	881008	1616152	12.32%	0.999%
59	9.663	636	641	645	rBV4	937782	3238966	24.68%	2.003%
60	9.823	652	655	657	rVB	5510307	5781062	44.05%	3.575%
61	9.858	657	658	661	rBV2	697961	1387868	10.58%	0.858%
62	9.915	661	663	666	rVV4	433246	810812	6.18%	0.501%
63	10.006	666	671	674	rVB3	2075299	5291784	40.32%	3.272%
64	10.063	674	676	677	rBV	441729	537416	4.10%	0.332%
65	10.166	683	685	686	rBV	300943	350068	2.67%	0.216%
66	10.235	689	691	692	rBV2	232311	377279	2.87%	0.233%
67	10.269	692	694	697	rVV	1457731	2860964	21.80%	1.769%
68	10.338	697	700	706	rVV5	2714215	9129487	69.57%	5.645%
69	10.463	709	711	713	rVB2	778859	908192	6.92%	0.562%
70	10.509	713	715	719	rBV4	319625	638719	4.87%	0.395%
71	10.578	719	721	722	rBV	302607	341590	2.60%	0.211%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090516.D
 Acq On : 11 Oct 2016 21:46
 Operator : UM/SJ
 Sample : H5146-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.623	722	725	727 rVV2	718738	1112710	8.48%	0.688%
73	10.669	727	729	731 rVB	635698	719138	5.48%	0.445%
74	10.795	737	740	742 rVB	3342131	3352094	25.54%	2.073%
75	10.841	742	744	750 rVB6	684915	966610	7.37%	0.598%
76	10.932	750	752	754 rBV2	370857	484294	3.69%	0.299%
77	11.069	762	764	767 rVB3	332261	458212	3.49%	0.283%
78	11.241	777	779	781 rVB	356403	336659	2.57%	0.208%
79	11.412	792	794	796 rBV2	255938	439459	3.35%	0.272%
80	11.492	799	801	802 rVV	1844161	1897603	14.46%	1.173%
81	11.515	802	803	806 rVB3	150708	213038	1.62%	0.132%
82	11.801	826	828	831 rVB3	321106	519285	3.96%	0.321%
83	12.029	846	848	850 rBV	473639	506971	3.86%	0.313%
84	12.807	914	916	919 rVB2	346279	402103	3.06%	0.249%
85	12.967	928	930	937 rVB	196306	278735	2.12%	0.172%
86	13.081	937	940	942 rVB	5066248	5390193	41.07%	3.333%
87	14.132	1029	1032	1034 rVB	1301634	1436881	10.95%	0.889%
88	15.607	1158	1161	1164 rBV	816818	1048911	7.99%	0.649%
89	16.133	1204	1207	1216 rVB2	62293	184894	1.41%	0.114%
90	16.270	1217	1219	1230 rVB4	51912	135629	1.03%	0.084%

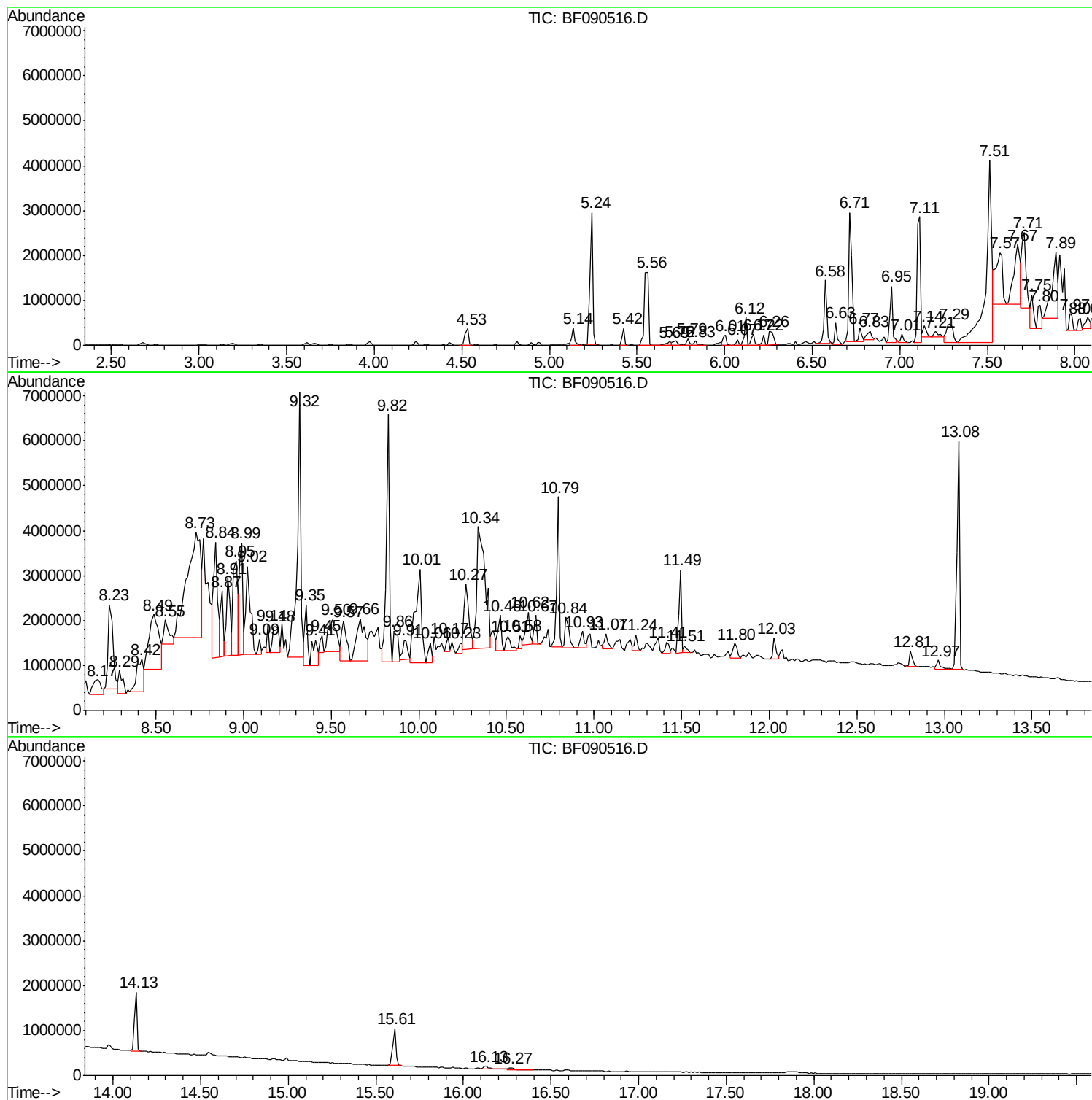
Sum of corrected areas: 161718981

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S8-0619

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.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\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

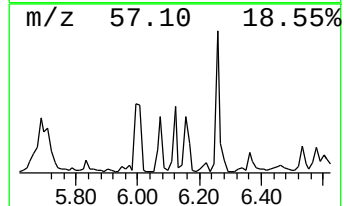
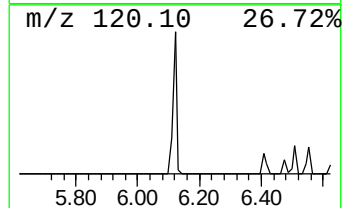
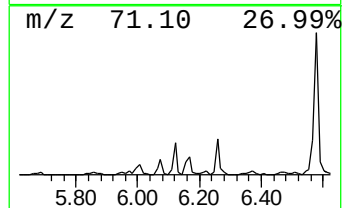
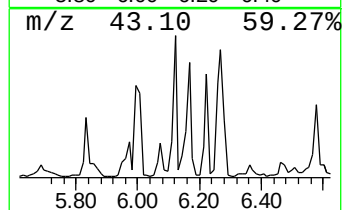
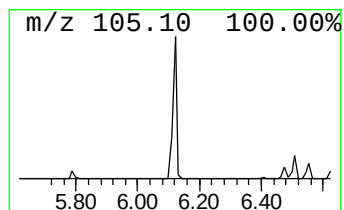
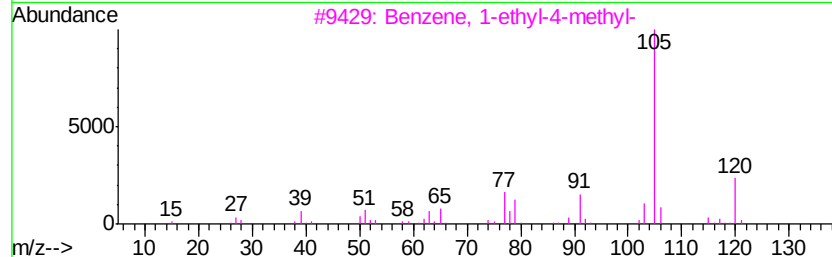
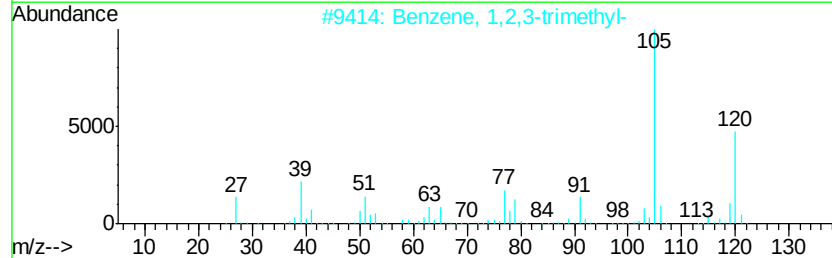
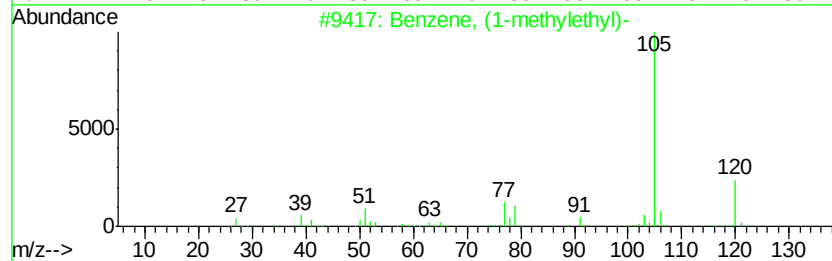
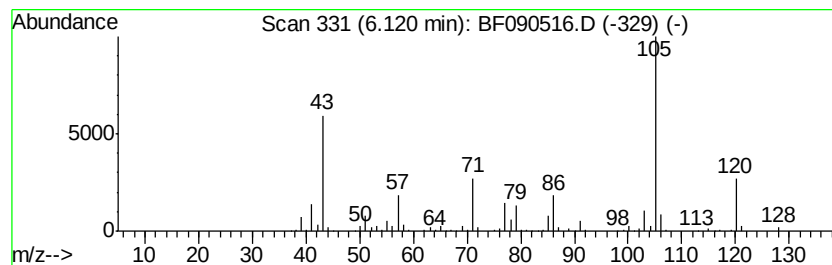
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzene, (1-methylethyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	7.54 ng	550603	1,4-Dichlorobenzene-d4	6.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	53
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	49
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	49
5			Mesitylene	120	C9H12	000108-67-8	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

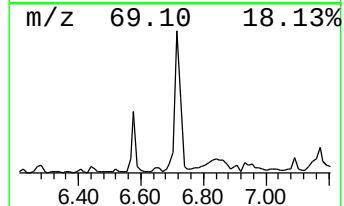
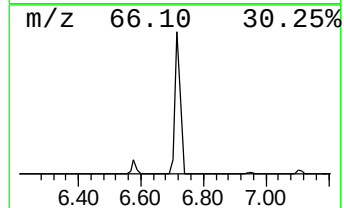
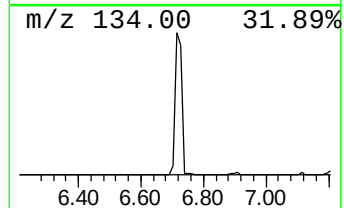
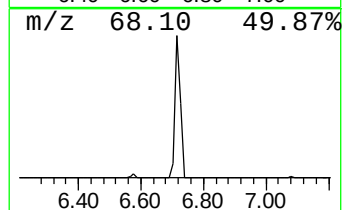
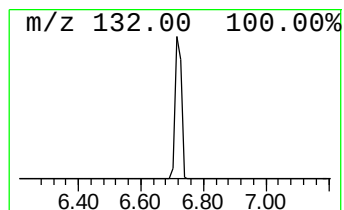
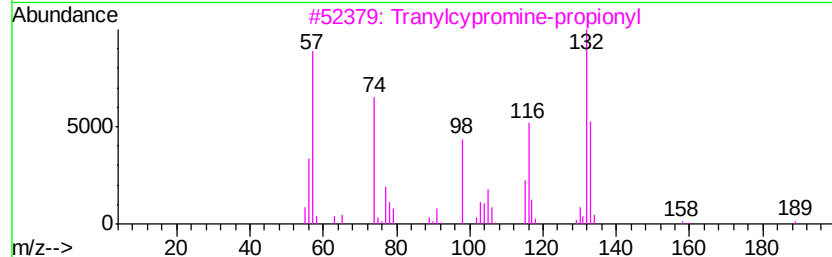
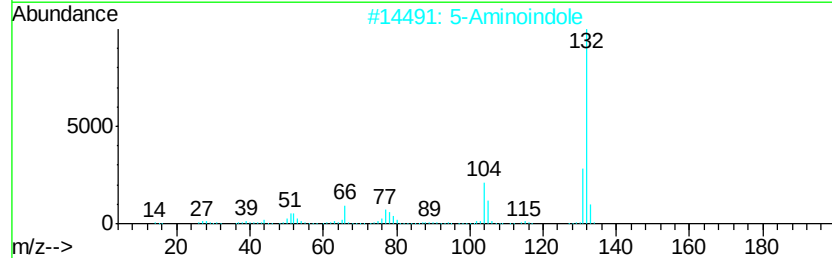
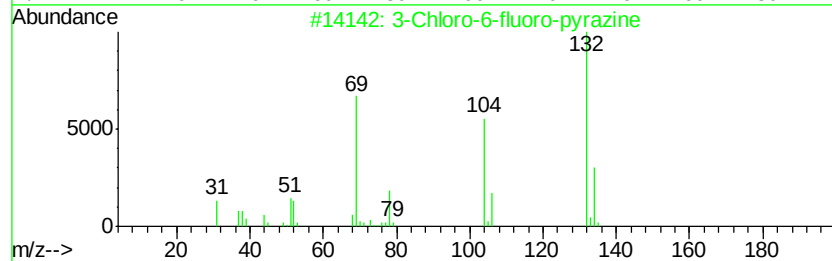
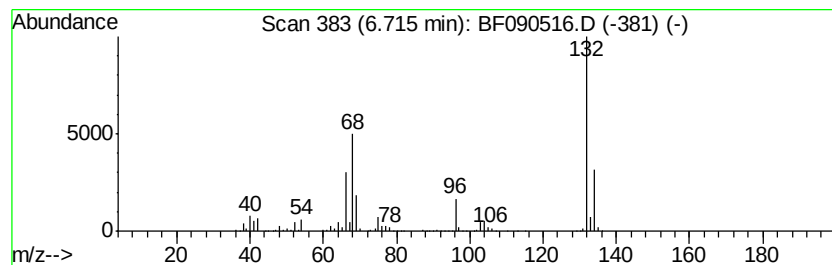
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.71 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	47.00 ng	3430340	1,4-Dichlorobenzene-d4	6.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole			132	C8H8N2	005192-03-0	12
3	Tranvlcvpromine-propionyl			189	C12H15NO	1000123-86-3	10
4	2H-Cyclopenta[dl]pyridazine, 2-me...			132	C8H8N2	022291-85-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

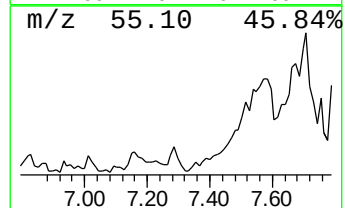
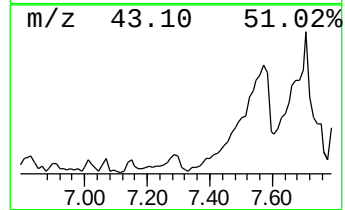
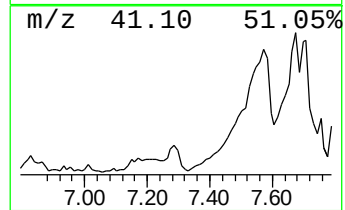
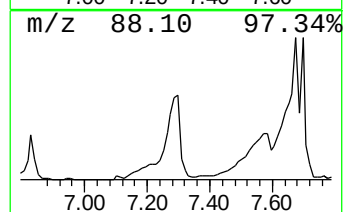
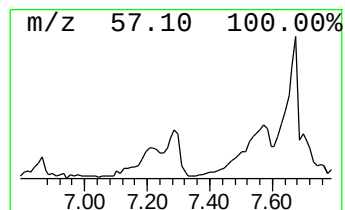
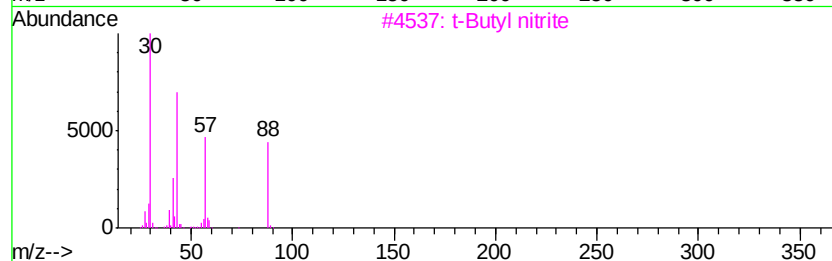
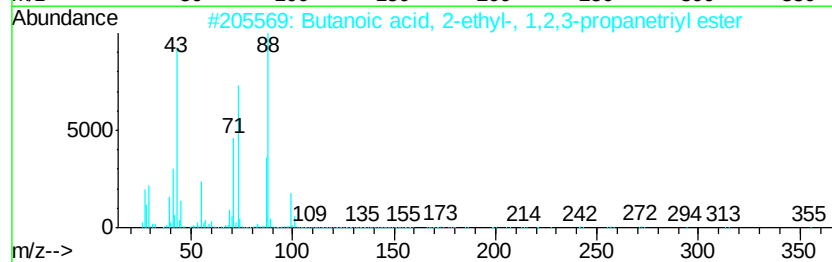
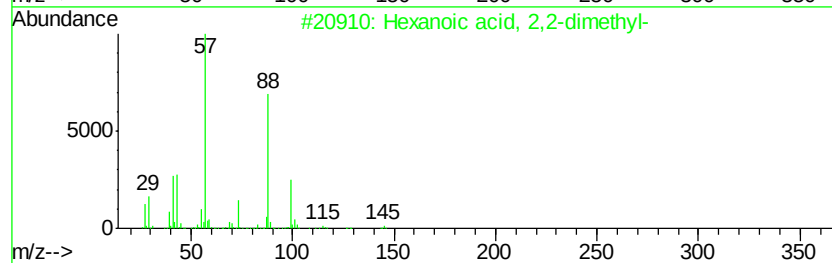
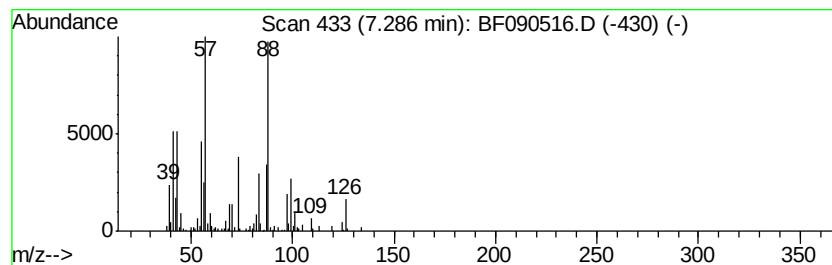
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	13.86 ng	1011750	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, 2,2-dimethyl-	144	C8H16O2	000813-72-9	38
2		Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	37
3		t-Butyl nitrite	103	C4H9NO2	000540-80-7	17
4		Butanoic acid, 2,2-diethyl-	144	C8H16O2	000813-58-1	12
5		Cyclohexaneacetic acid, .alpha.-...	170	C10H18O2	006051-00-9	12



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

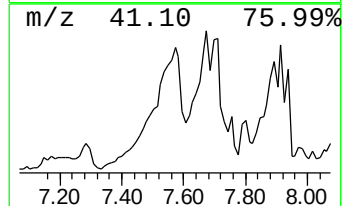
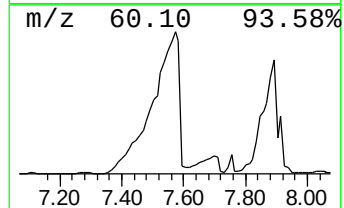
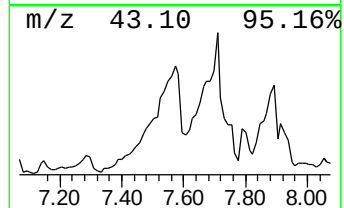
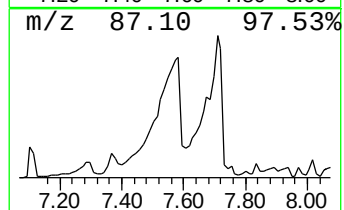
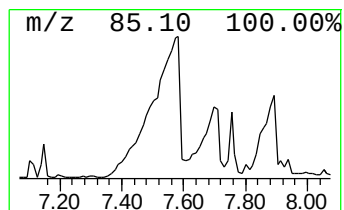
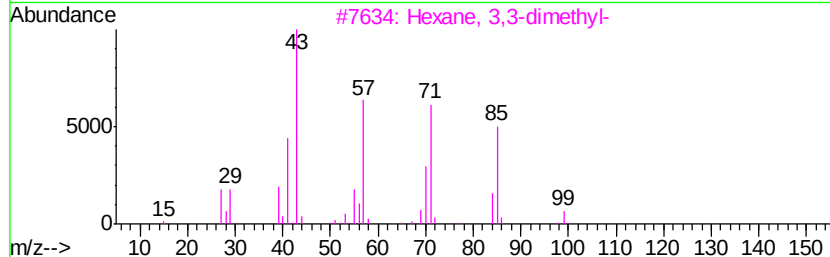
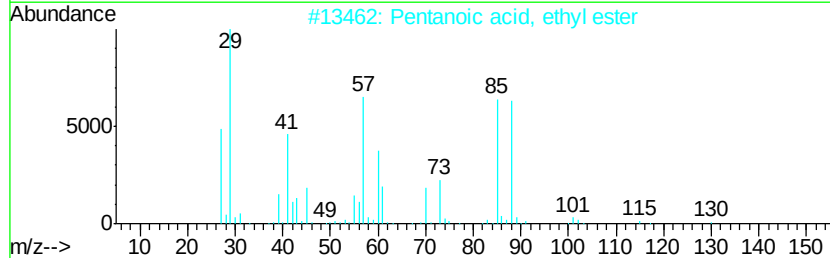
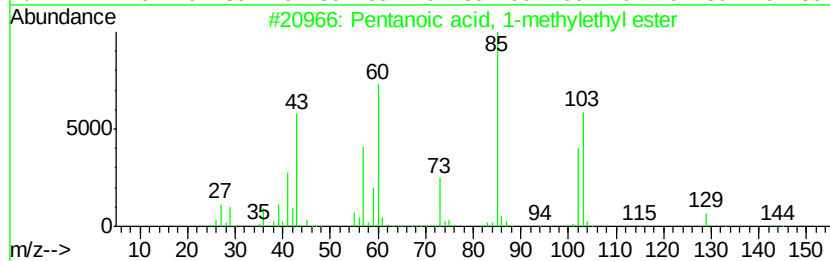
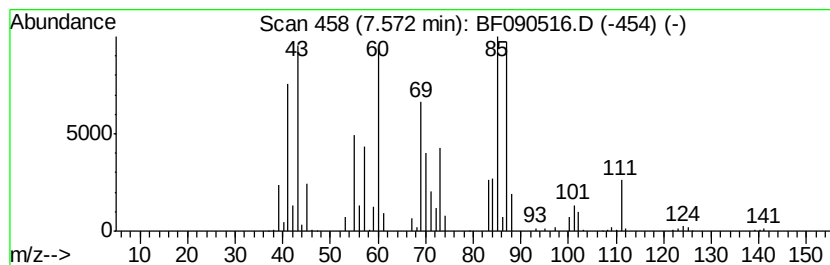
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.57 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	46.53 ng	3395720	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanoic acid, 1-methylethyl ester	144	C8H16O2	018362-97-5	35
2		Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	27
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	14
4		Oxalic acid, ethyl isohexyl ester	202	C10H18O4	1000309-32-5	14
5		2-Methoxy-2-methylbut-3-ene	100	C6H12O	040426-44-6	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

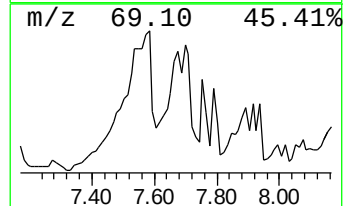
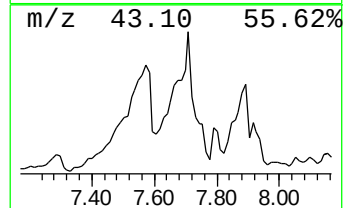
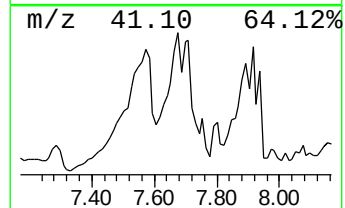
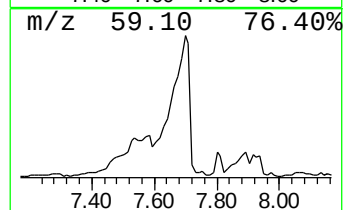
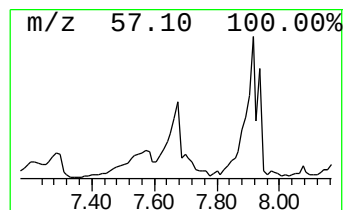
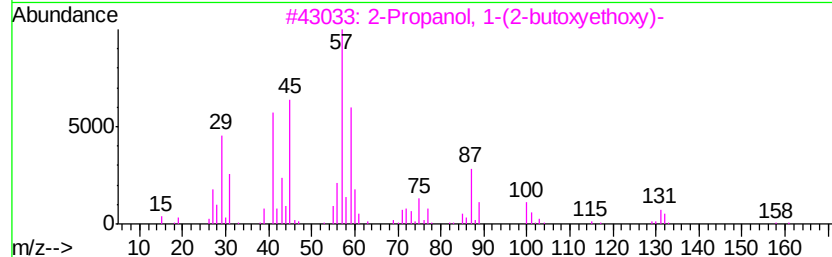
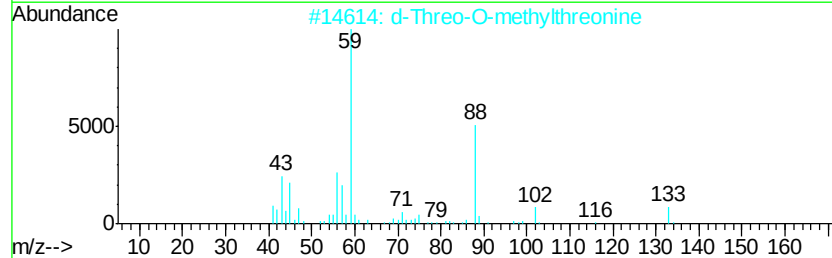
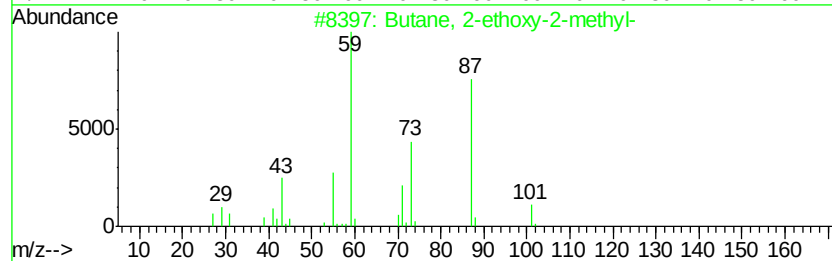
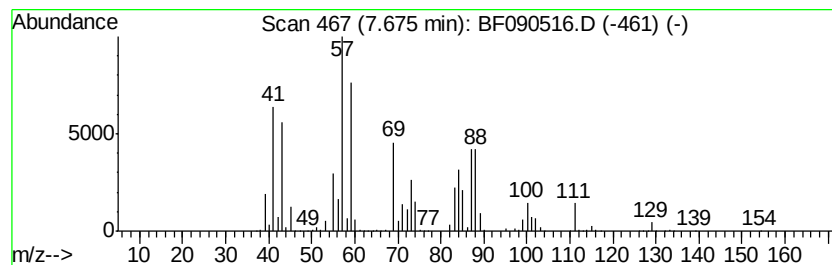
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.67 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	19.13 ng	3305120	Napthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	38
2		d-Threo-O-methylthreonine	133	C5H11NO3	1000214-70-6	35
3		2-Propanol, 1-(2-butoxyethoxy)-	176	C9H20O3	000124-16-3	32
4		Propanal, 2-[(tert.butyloxy)carbo...	173	C8H15NO3	123387-72-4	32
5		2,2-Dimethylbutanedioic acid	146	C6H10O4	000597-43-3	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

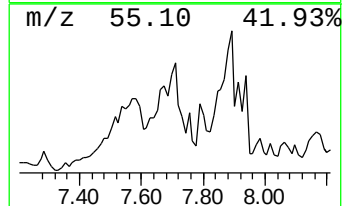
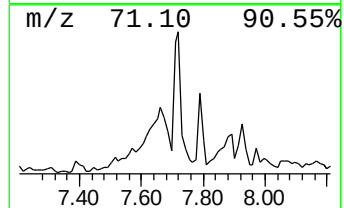
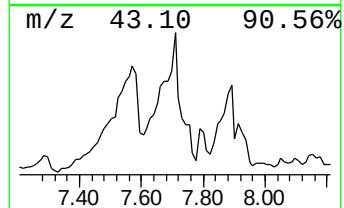
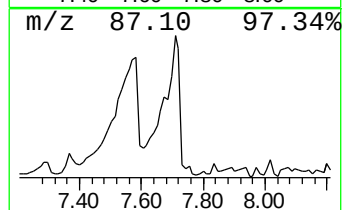
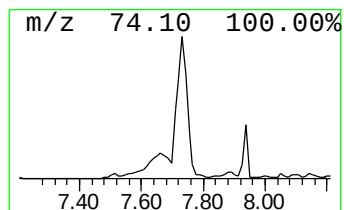
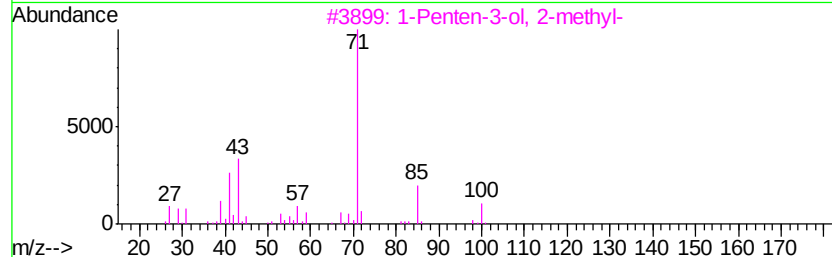
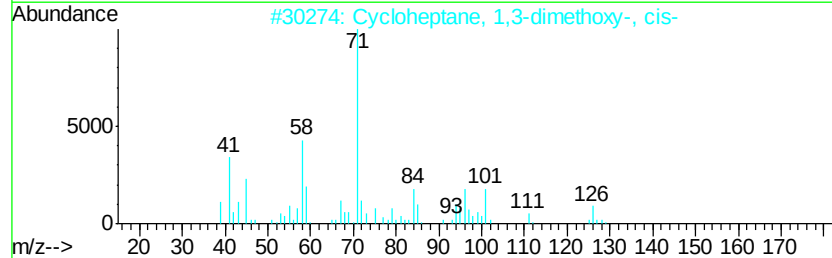
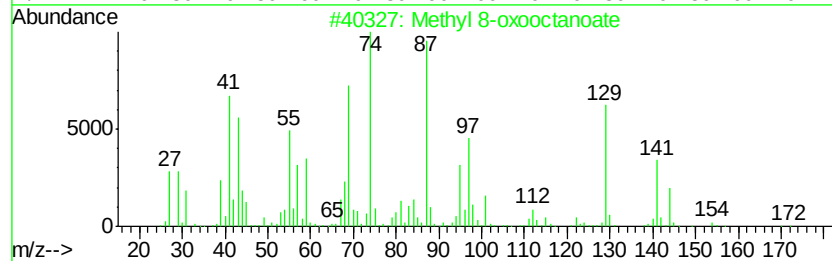
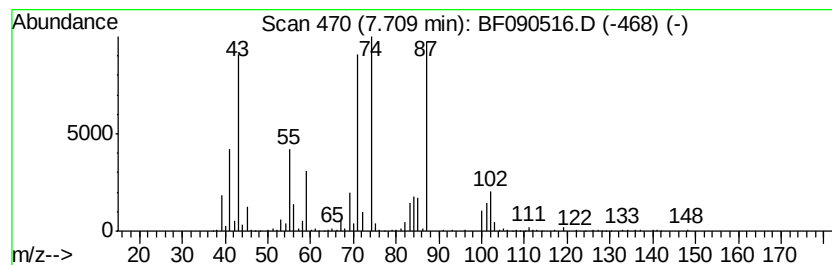
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown7.71 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	16.53 ng	2855380	Napthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methyl 8-oxooctanoate	172	C9H16O3	004316-48-7	47
2		Cycloheptane, 1,3-dimethoxy-, cis-	158	C9H18O2	030363-90-7	27
3		1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	25
4		Ether, 3-butenyl pentyl	142	C9H18O	034061-78-4	22
5		3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

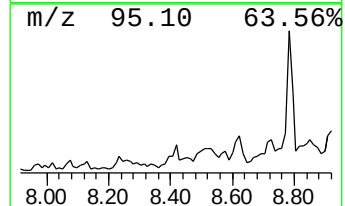
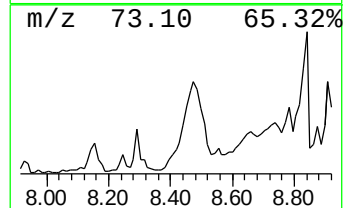
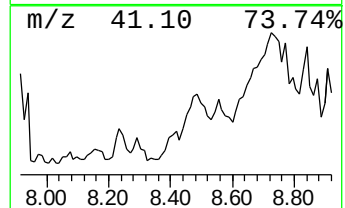
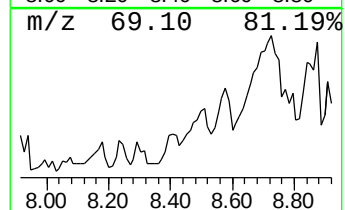
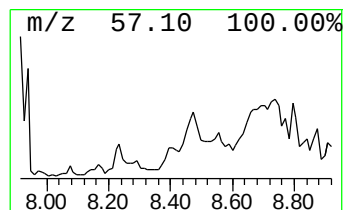
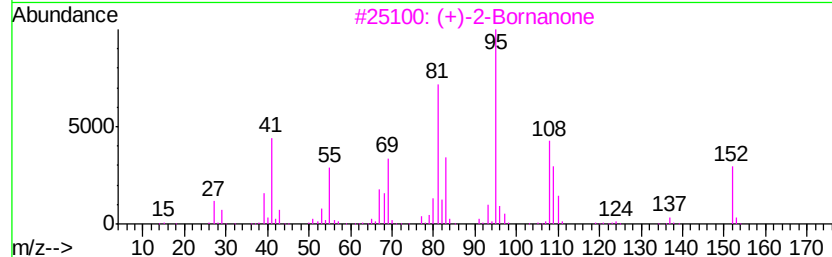
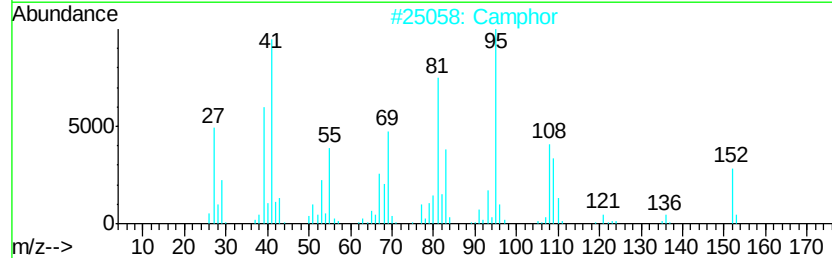
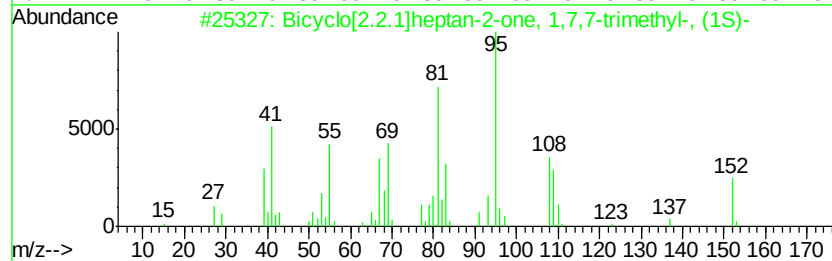
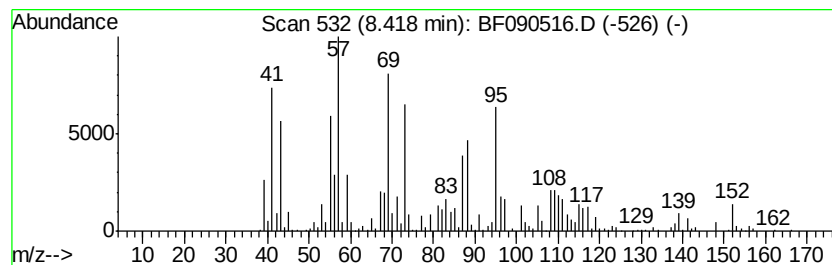
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown8.42 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	11.10 ng	1918230	Napthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	35
2		Camphor	152	C10H16O	000076-22-2	20
3		(+)-2-Bornanone	152	C10H16O	000464-49-3	18
4		4-Nonanol, 2,6,8-trimethyl-	186	C12H26O	000123-17-1	14
5		2,6-Octadien-1-ol, 2,7-dimethyl-	154	C10H18O	022410-74-8	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

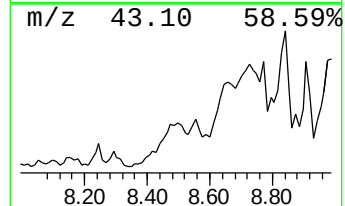
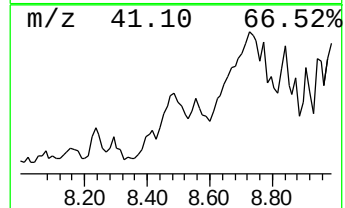
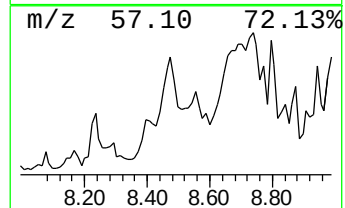
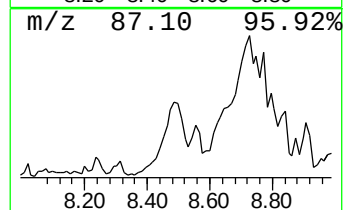
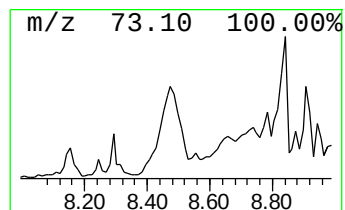
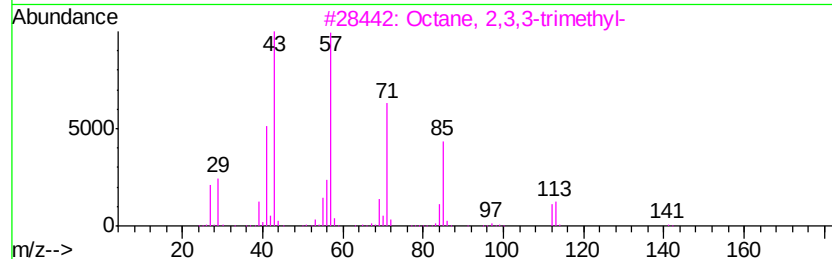
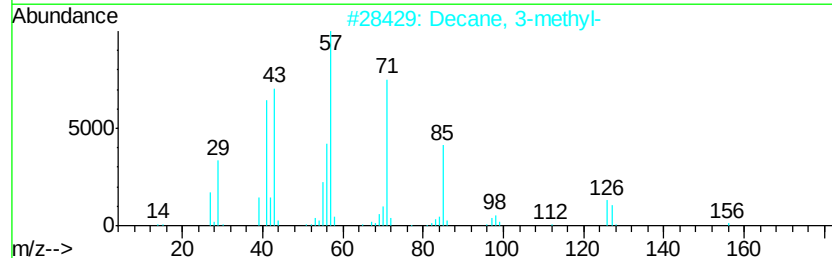
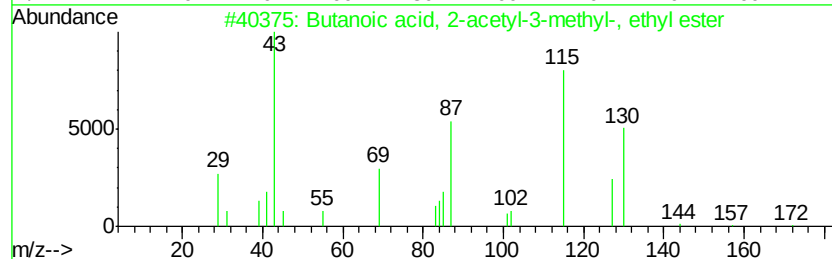
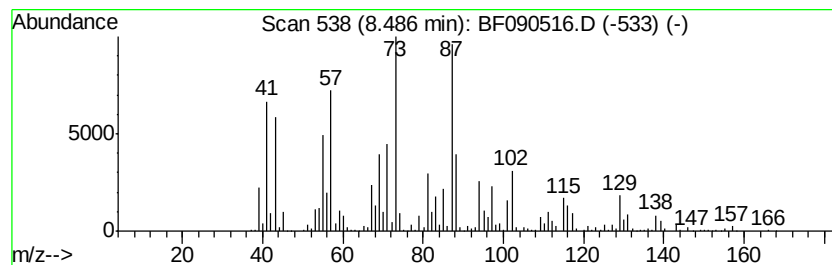
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.49 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	27.78 ng	4800590	Napthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanoic acid, 2-acetyl-3-methyl...	172	C9H16O3	001522-46-9	22
2		Decane, 3-methyl-	156	C11H24	013151-34-3	10
3		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	10
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	10
5		Hexadecane	226	C16H34	000544-76-3	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S8-0619

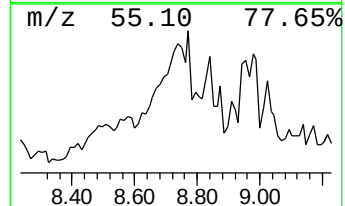
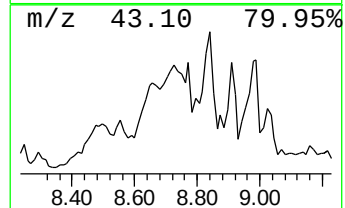
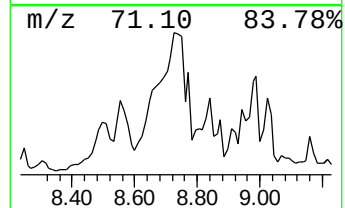
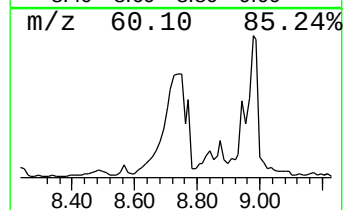
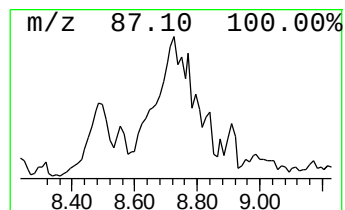
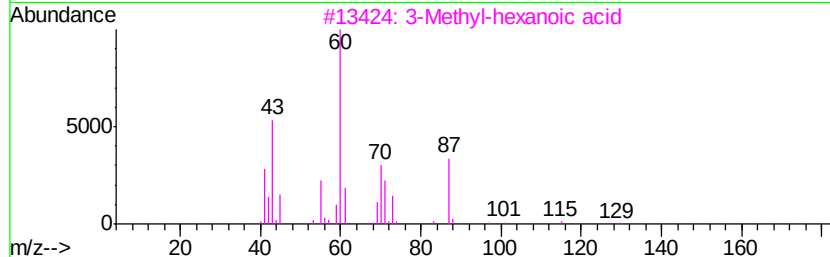
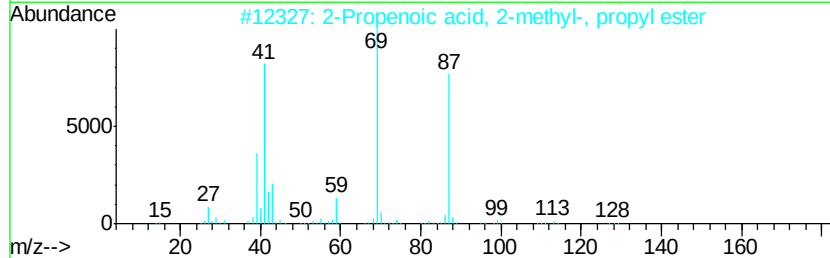
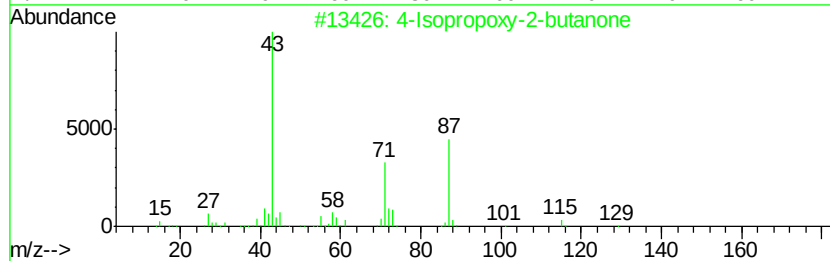
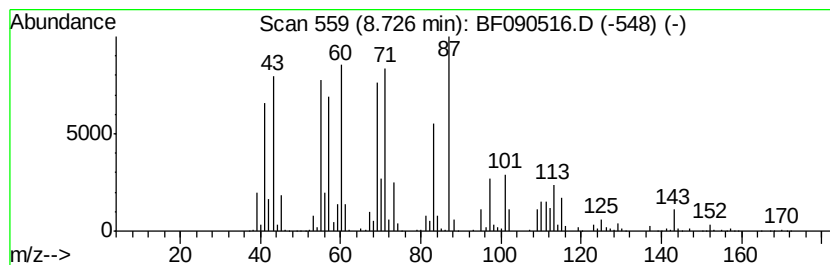
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown8.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	75.95 ng	13123200	Napthalene-d8	8.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Isopropoxy-2-butanone	130	C7H14O2	032541-58-5	27
2			2-Propenoic acid, 2-methyl-, pro...	128	C7H12O2	002210-28-8	25
3			3-Methyl-hexanoic acid	130	C7H14O2	1000365-65-4	22
4			Butanamide, N-ethyl-	115	C6H13NO	013091-16-2	11
5			1,3-Dioxan-4-one, 2-(1,1-dimethy...	172	C9H16O3	113505-75-2	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S8-0619

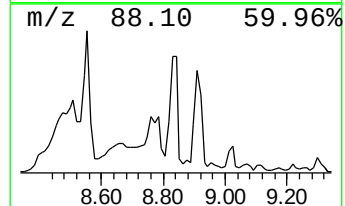
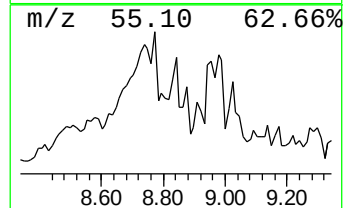
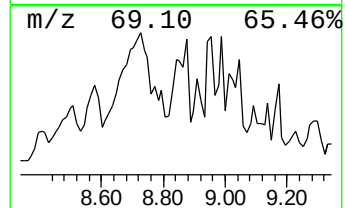
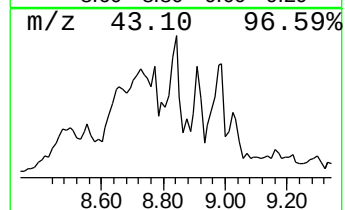
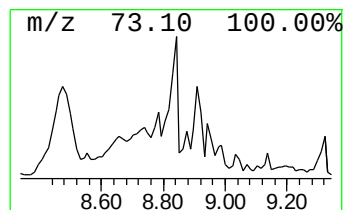
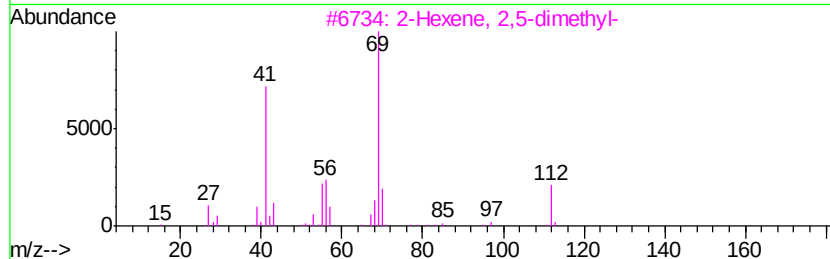
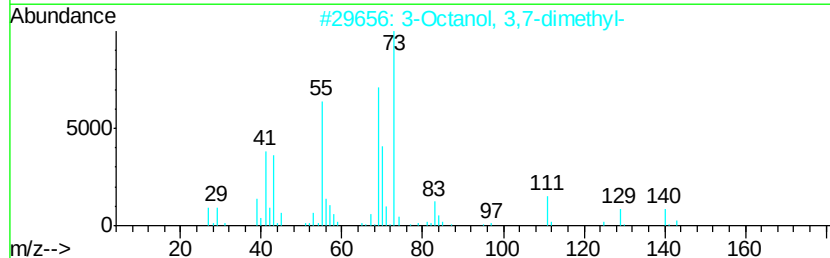
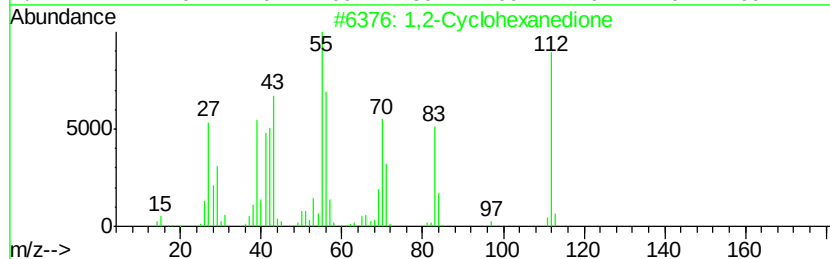
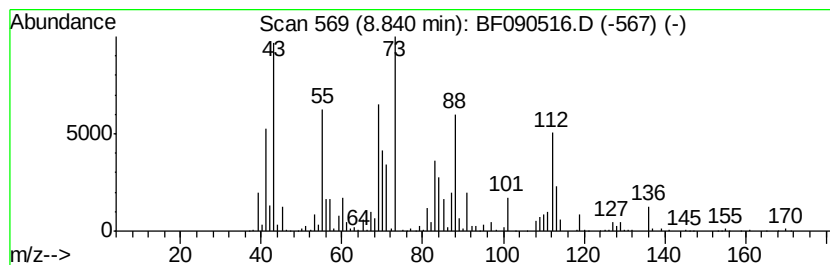
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown8.84 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	25.60 ng	4422960	Naphthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	27
2		3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	22
3		2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	22
4		1-Cyclohexene-3-thione	112	C6H8S	201139-65-3	22
5		Butanoic acid, 2,2-dimethyl-3-ox...	158	C8H14O3	000597-04-6	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

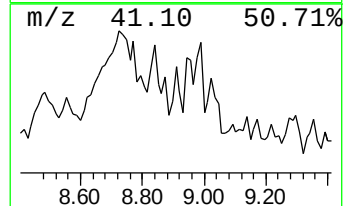
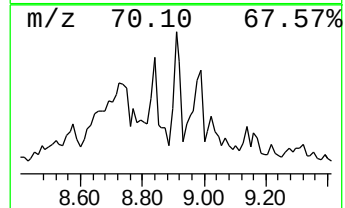
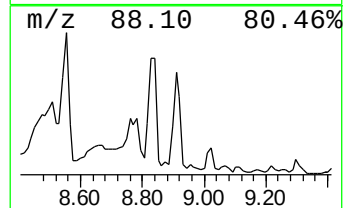
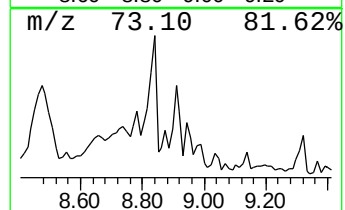
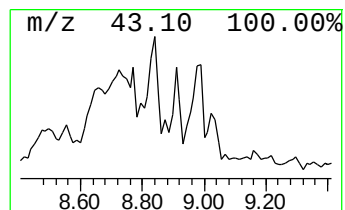
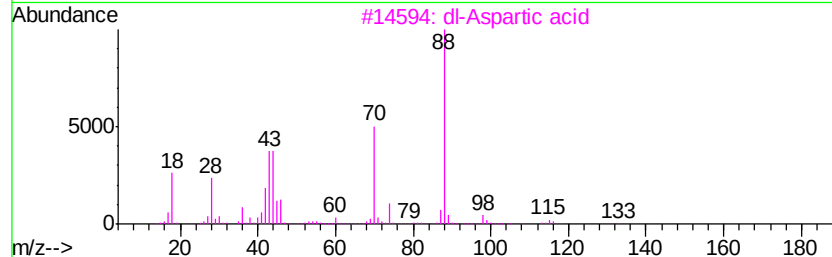
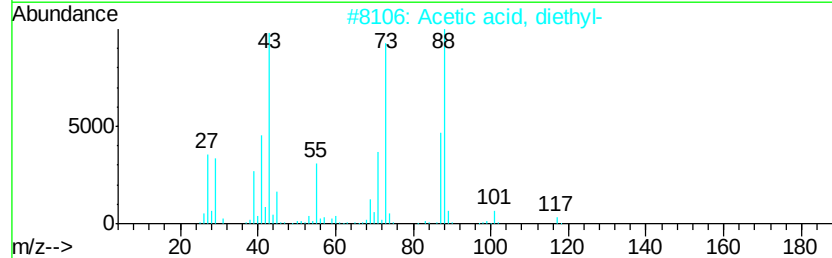
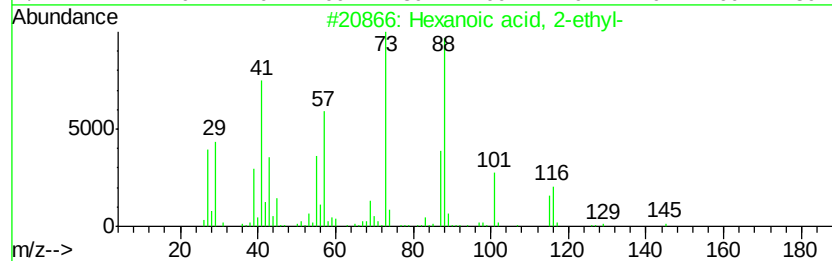
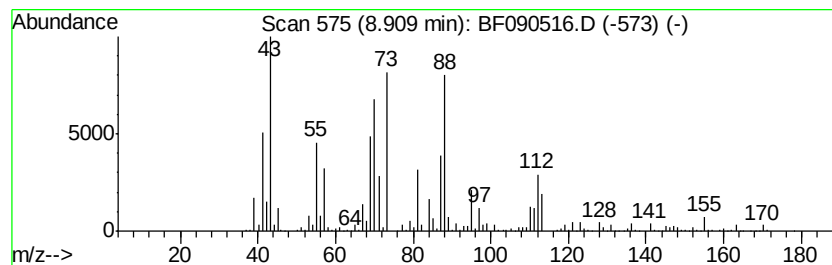
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown8.91 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	16.63 ng	2873720	Napthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	32
2		Acetic acid, diethyl-	116	C6H12O2	000088-09-5	32
3		dl-Aspartic acid	133	C4H7NO4	000617-45-8	25
4		Hydroxypivalic acid	118	C5H10O3	004835-90-9	25
5		Pentanoic acid, 2-methyl-, methy...	130	C7H14O2	002177-77-7	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

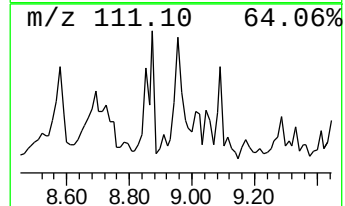
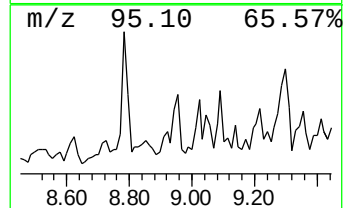
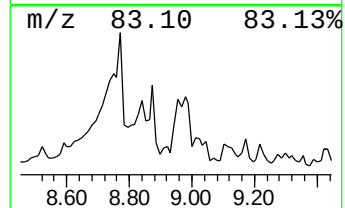
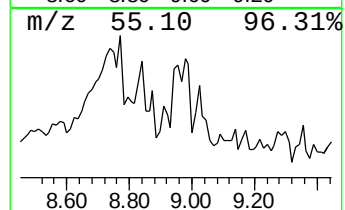
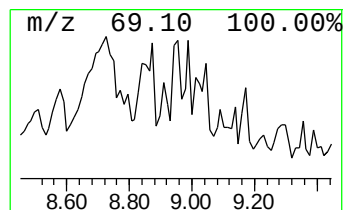
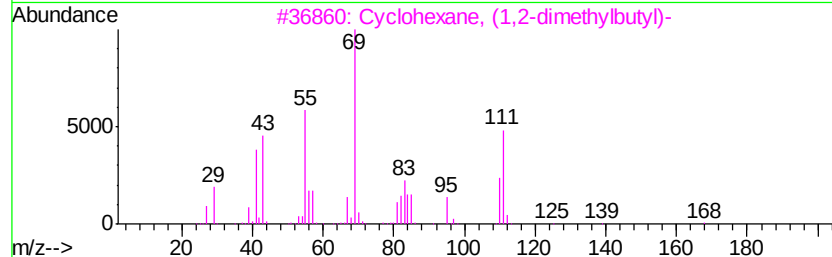
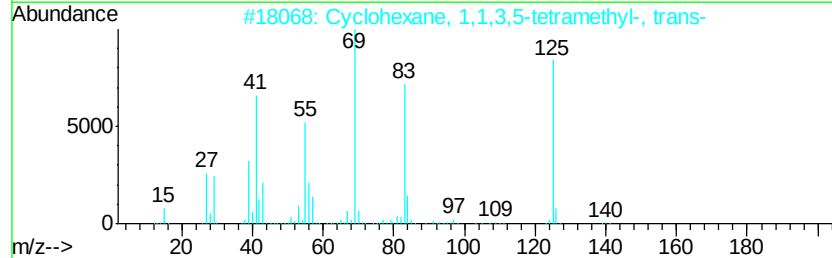
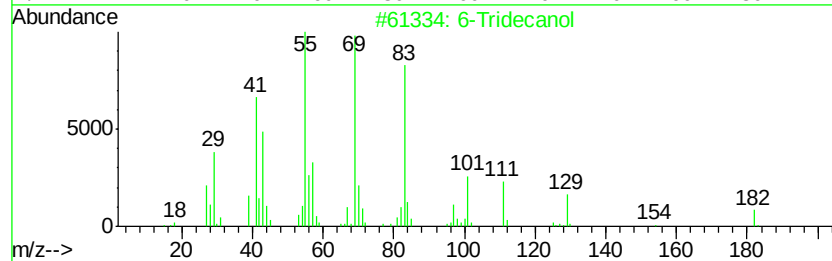
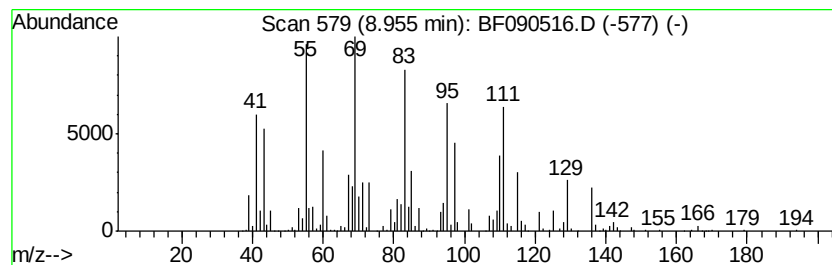
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown8.95 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	21.26 ng	3673640	Napthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecanol	200	C13H28O	005770-03-6	38
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	30
3		Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	27
4		2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	15
5		4-Nonanol, 2,6,8-trimethyl-	186	C12H26O	000123-17-1	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
S8-0619

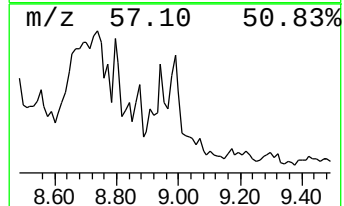
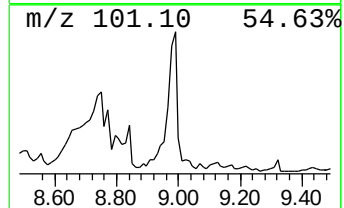
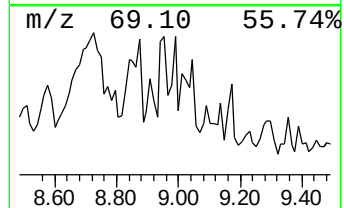
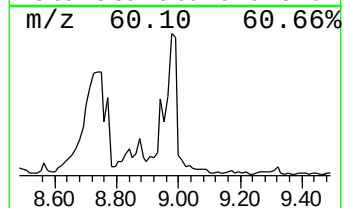
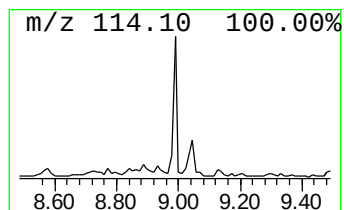
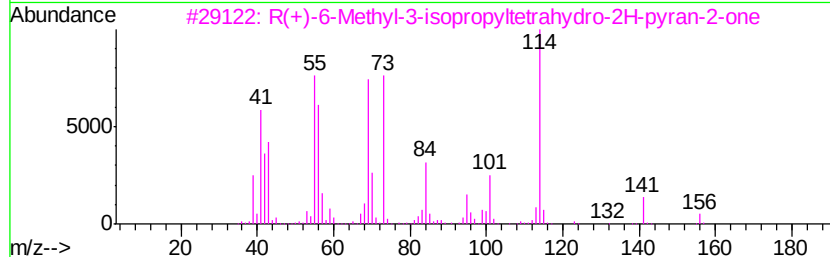
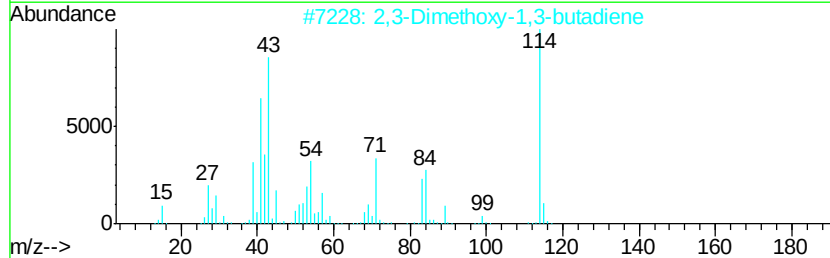
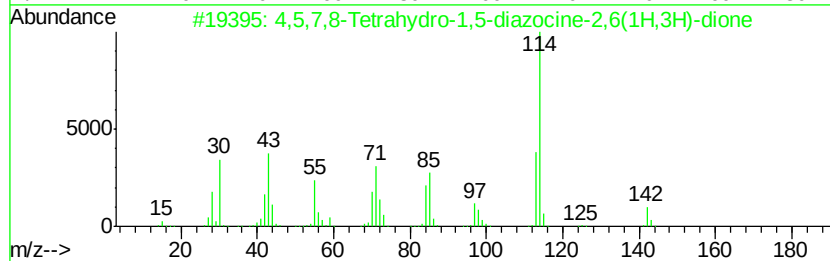
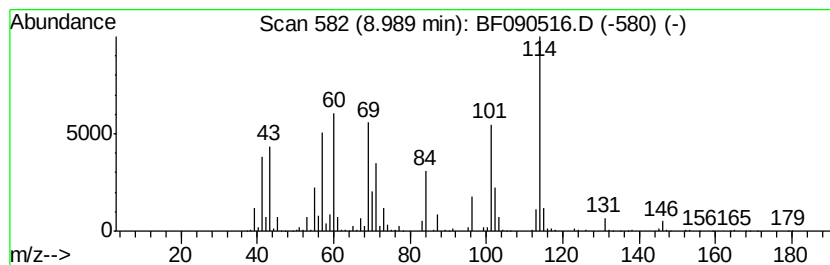
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown8.99 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	20.18 ng	3486600	Napthalene-d8	8.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5,7,8-Tetrahydro-1,5-diazocine...	142	C6H10N2O2	000935-18-2	37		
2	2,3-Dimethoxy-1,3-butadiene	114	C6H10O2	003588-31-6	25		
3	R(+)-6-Methyl-3-isopropyltetrahy...	156	C9H16O2	142636-30-4	23		
4	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	22		
5	5aH,10aH-4a,9a-Epoxydibenzo[b,e]...	242	C12H18O5	033832-15-4	17		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S8-0619

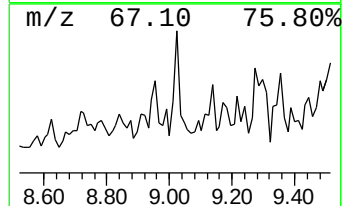
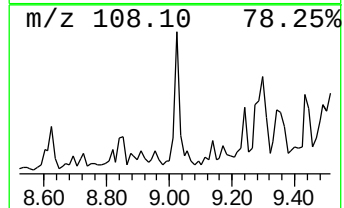
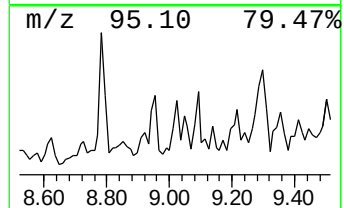
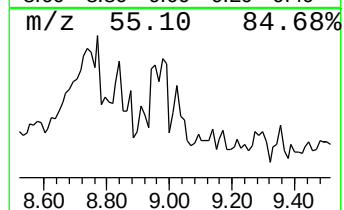
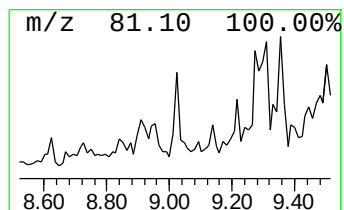
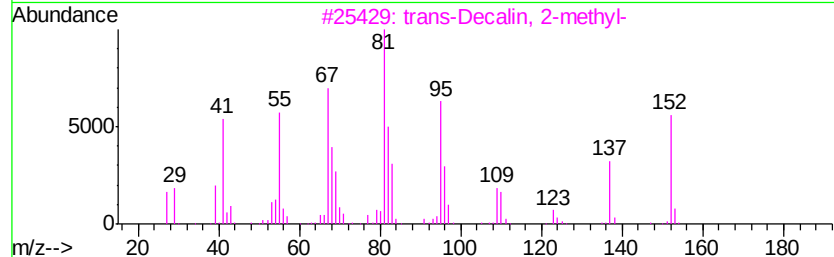
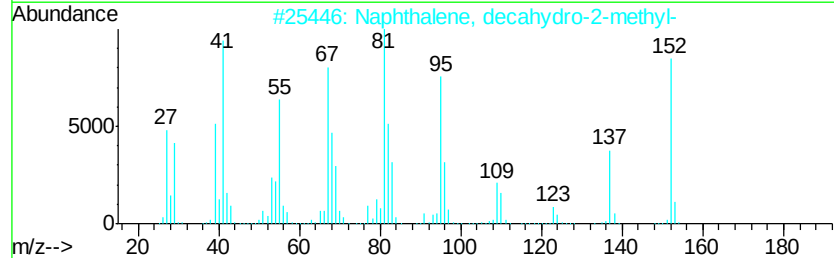
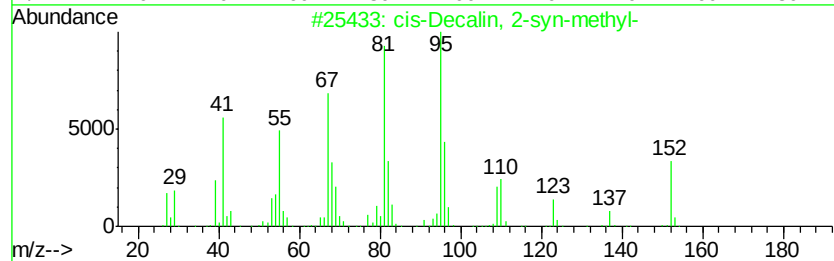
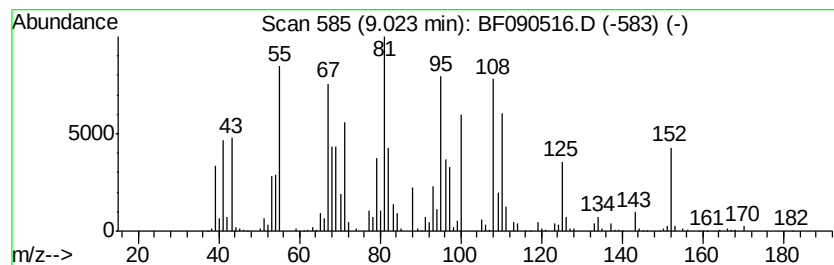
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 cis-Decalin, 2-syn-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	19.11 ng	3302330	Naphthalene-d8	8.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	60
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	53
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	49
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	46
5			Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

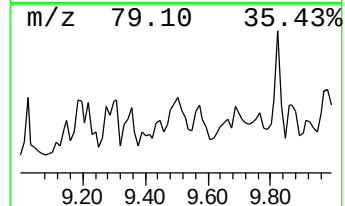
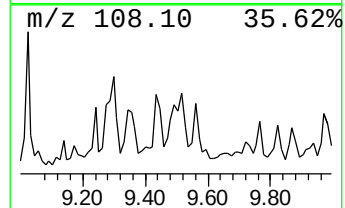
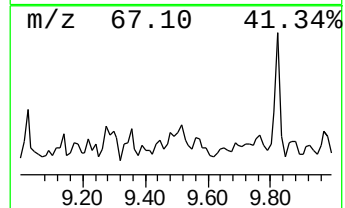
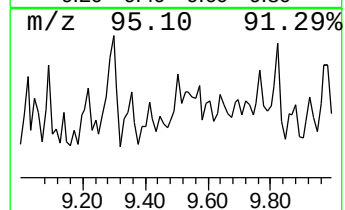
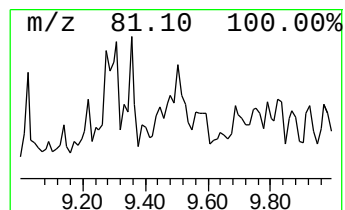
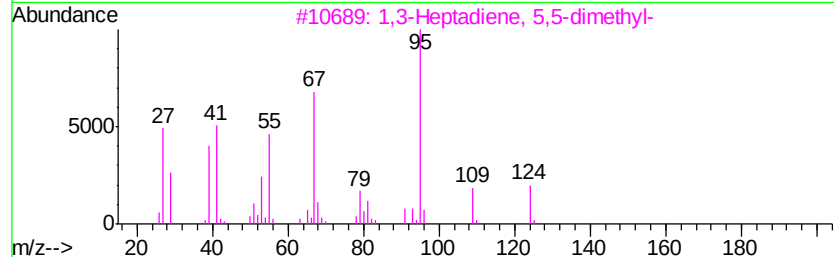
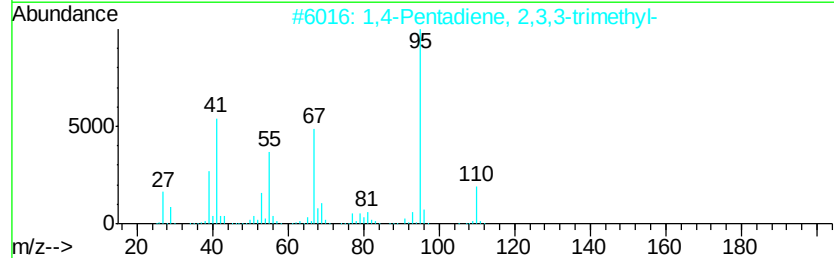
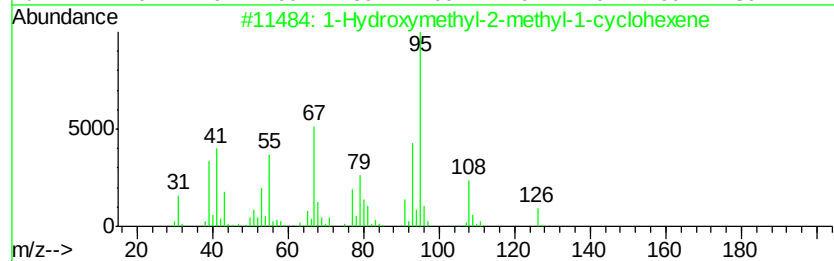
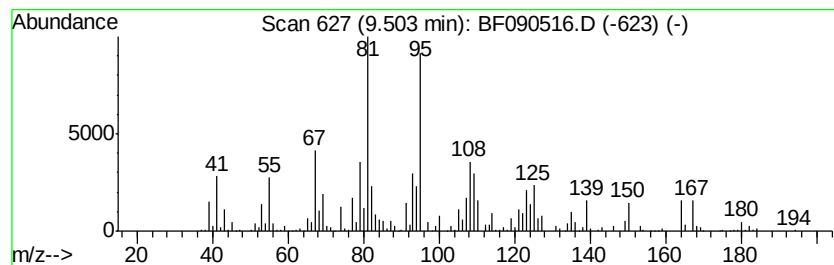
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown9.50 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	8.29 ng	2193530	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hydroxymethyl-2-methyl-1-cyclo...	126	C8H14O	029474-11-1	46
2		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	30
3		1,3-Heptadiene, 5,5-dimethyl-	124	C9H16	024618-86-8	27
4		Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	27
5		1,4-Cyclohexanedimethanol	144	C8H16O2	000105-08-8	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

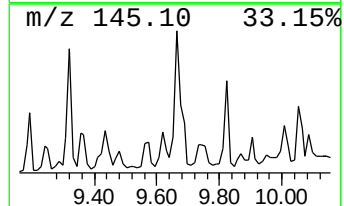
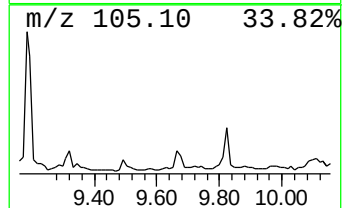
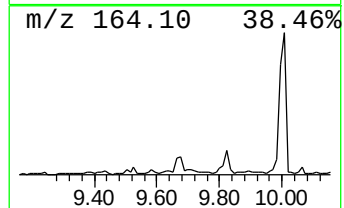
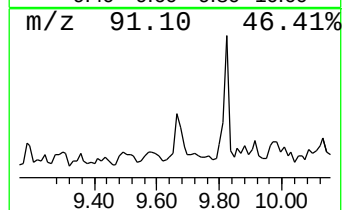
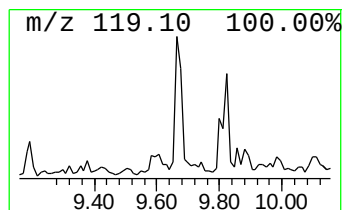
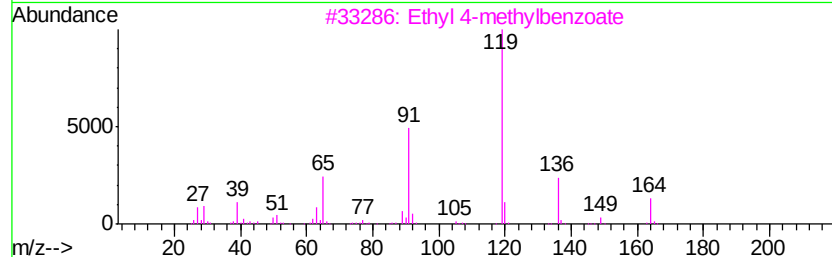
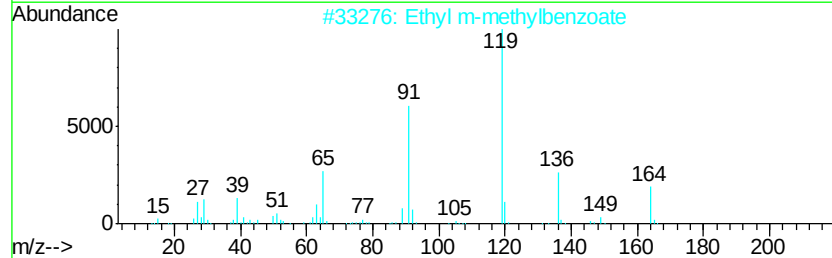
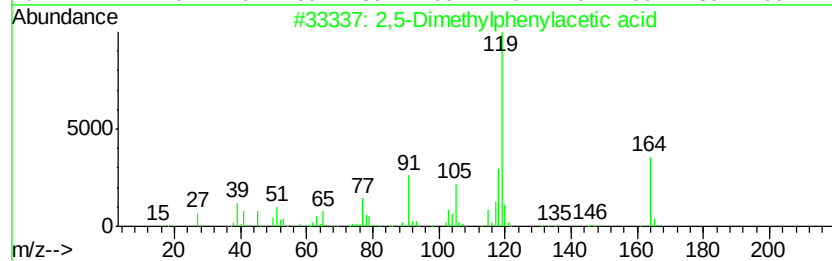
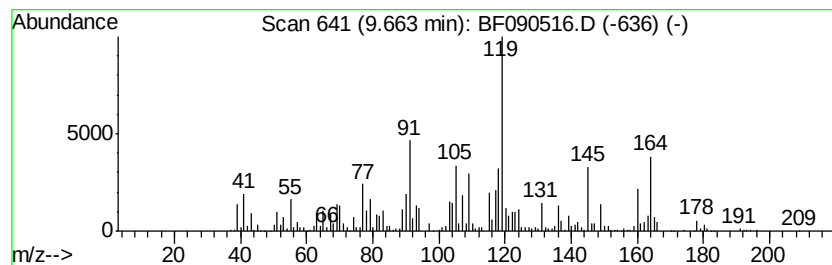
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown9.66 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	12.24 ng	3238970	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Dimethylphenylacetic acid	164	C10H12O2	1000342-65-5	49
2		Ethyl m-methylbenzoate	164	C10H12O2	000120-33-2	45
3		Ethyl 4-methylbenzoate	164	C10H12O2	000094-08-6	43
4		Ethyl o-methylbenzoate	164	C10H12O2	000087-24-1	43
5		3,4-Dimethylbenzenacetic acid	164	C10H12O2	017283-16-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

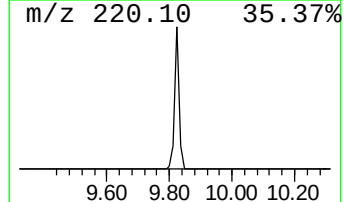
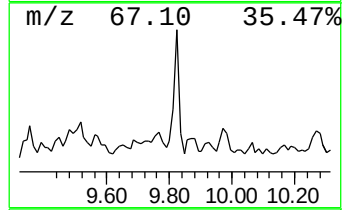
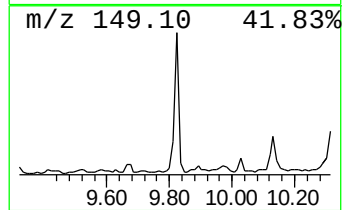
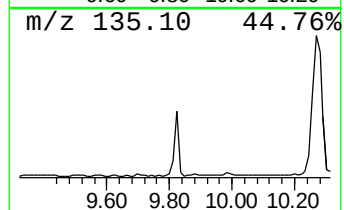
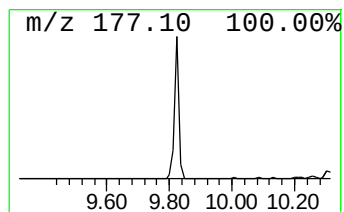
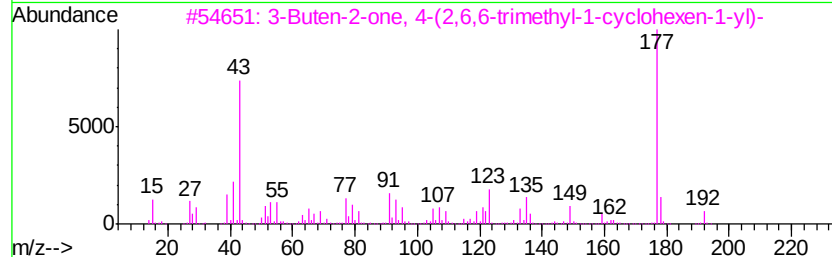
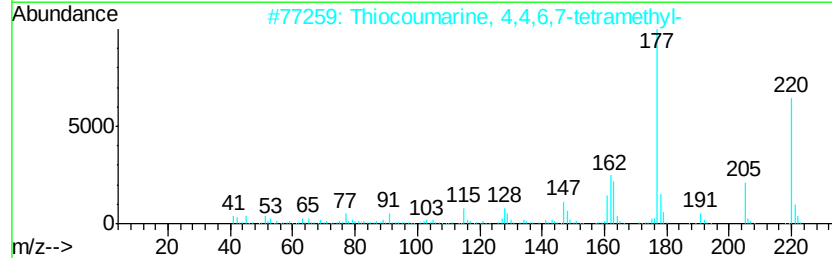
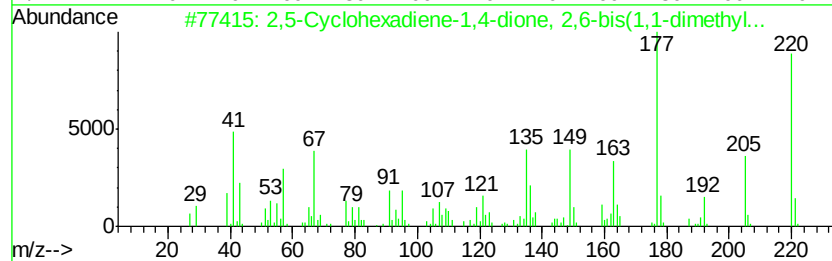
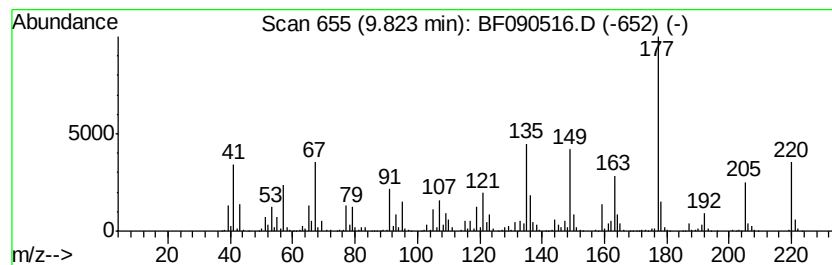
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	21.85 ng	5781060	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	99
2		Thiocoumarine, 4,4,6,7-tetramethyl-	220	C13H16OS	1000128-90-2	43
3		3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	43
4		2-Butanone, 3-(4-tert-butylpheno...	220	C14H20O2	160875-28-5	43
5		1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090516.D
Acq On : 11 Oct 2016 21:46
Operator : UM/SJ
Sample : H5146-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0619

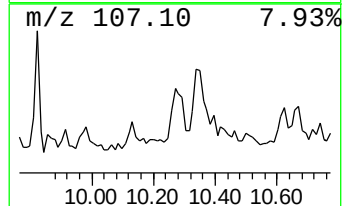
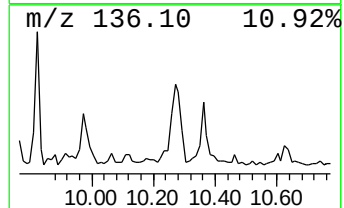
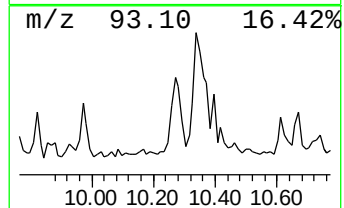
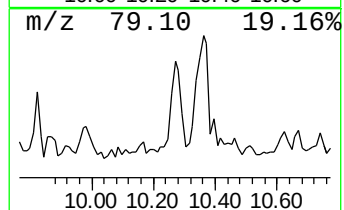
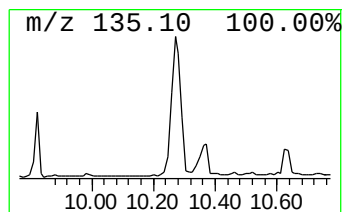
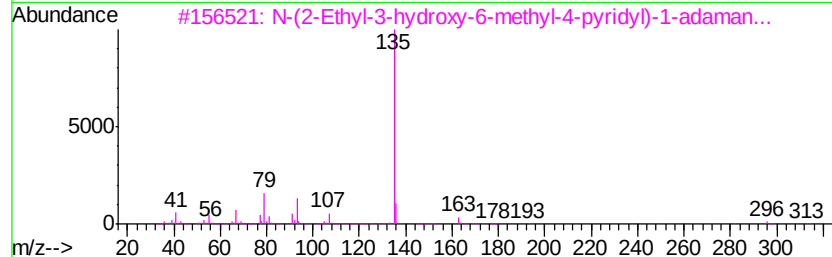
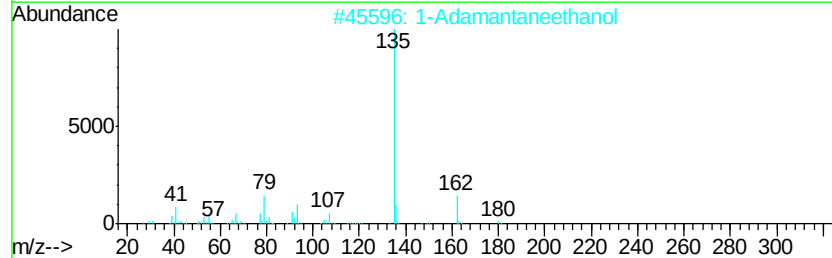
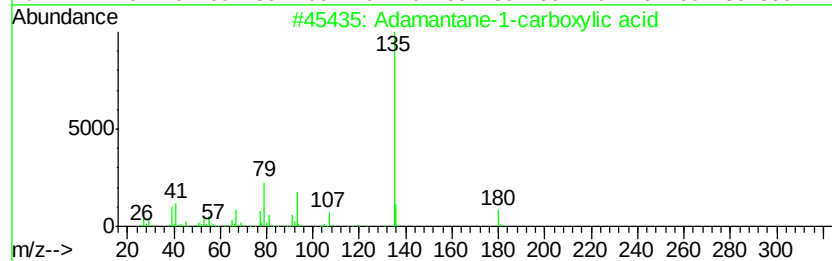
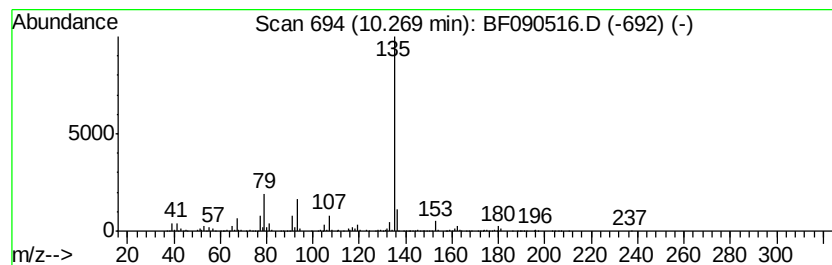
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Adamantane-1-carboxylic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	10.81 ng	2860960	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	87
2		1-Adamantaneethanol	180	C12H20O	006240-11-5	83
3		N-(2-Ethyl-3-hydroxy-6-methyl-4-...	314	C19H26N2O2	1000260-99-4	80
4		N-Adamantan-1-ylmethyl-2-chloro-...	348	C18H21ClN2O3	227327-87-9	80
5		1-Adamantanecarboxylic acid, 4-c...	281	C18H19NO2	1000307-66-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090516.D
 Acq On : 11 Oct 2016 21:46
 Operator : UM/SJ
 Sample : H5146-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.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
Benzene, (1-methy...	6.12	7.5	ng	550603	1	6.95	1459610	20.0
unknown6.71	6.71	47.0	ng	3430340	1	6.95	1459610	20.0
unknown7.29	7.29	13.9	ng	1011750	1	6.95	1459610	20.0
unknown7.57	7.57	46.5	ng	3395720	1	6.95	1459610	20.0
unknown7.67	7.67	19.1	ng	3305120	2	8.23	3455630	20.0
unknown7.71	7.71	16.5	ng	2855380	2	8.23	3455630	20.0
unknown8.42	8.42	11.1	ng	1918230	2	8.23	3455630	20.0
unknown8.49	8.49	27.8	ng	4800590	2	8.23	3455630	20.0
unknown8.73	8.73	76.0	ng	13123200	2	8.23	3455630	20.0
unknown8.84	8.84	25.6	ng	4422960	2	8.23	3455630	20.0
unknown8.91	8.91	16.6	ng	2873720	2	8.23	3455630	20.0
unknown8.95	8.95	21.3	ng	3673640	2	8.23	3455630	20.0
unknown8.99	8.99	20.2	ng	3486600	2	8.23	3455630	20.0
cis-Decalin, 2-sy...	9.02	19.1	ng	3302330	2	8.23	3455630	20.0
unknown9.50	9.50	8.3	ng	2193530	3	10.01	5291780	20.0
unknown9.66	9.66	12.2	ng	3238970	3	10.01	5291780	20.0
2,5-Cyclohexadien...	9.82	21.9	ng	5781060	3	10.01	5291780	20.0
Adamantane-1-carb...	10.27	10.8	ng	2860960	3	10.01	5291780	20.0