

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083454.D
 Acq On : 3 Dec 2015 10:27
 Operator : UM/IZ
 Sample : G4606-01 20X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

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-BF113015.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	1.801	7	10	12	rVV	1014762	1326684	2.26%	0.174%
2	2.213	40	46	49	rBV	999506	1836461	3.13%	0.241%
3	2.293	49	53	54	rBV	1313774	2333485	3.98%	0.306%
4	2.327	54	56	58	rVV	1329878	2031685	3.46%	0.266%
5	2.373	58	60	64	rVB2	535784	1102310	1.88%	0.145%
6	2.693	81	88	95	rBV	3837552	8741686	14.90%	1.146%
7	2.830	95	100	104	rBV	3888677	8846213	15.08%	1.160%
8	2.910	104	107	116	rVB	1345851	3098336	5.28%	0.406%
9	3.116	116	125	128	rBV	7163792	21346224	36.40%	2.799%
10	3.253	133	137	141	rBV	1610976	3632654	6.19%	0.476%
11	3.481	149	157	163	rBV	3295022	9393677	16.02%	1.232%
12	3.676	169	174	176	rBV3	383666	902697	1.54%	0.118%
13	3.733	176	179	182	rVV	458725	981671	1.67%	0.129%
14	3.927	192	196	200	rVB	3655429	7071957	12.06%	0.927%
15	4.053	203	207	212	rBV3	848959	2080119	3.55%	0.273%
16	4.179	212	218	222	rVB	1258956	2299635	3.92%	0.301%
17	4.316	227	230	235	rBV2	726383	1433502	2.44%	0.188%
18	4.453	239	242	245	rBV	1130235	1906114	3.25%	0.250%
19	4.544	248	250	253	rVB	3294973	4374347	7.46%	0.574%
20	4.601	253	255	257	rBV	716515	943502	1.61%	0.124%
21	4.761	266	269	273	rVB3	388641	845565	1.44%	0.111%
22	4.853	273	277	280	rBV2	1310130	3402353	5.80%	0.446%
23	4.933	280	284	286	rVV	8048093	16590315	28.29%	2.175%
24	5.002	286	290	292	rVV2	1834756	6371932	10.86%	0.835%
25	5.104	292	299	302	rVV2	16860069	56528109	96.38%	7.411%
26	5.162	302	304	308	rVB2	3686621	4972652	8.48%	0.652%
27	5.230	308	310	312	rBV	2405532	3831149	6.53%	0.502%
28	5.264	312	313	315	rVV	1181667	1305728	2.23%	0.171%
29	5.367	317	322	325	rVV	13357910	29057475	49.54%	3.810%
30	5.436	325	328	330	rVB	8078850	9392613	16.01%	1.231%
31	5.482	330	332	334	rBV2	335043	588089	1.00%	0.077%
32	5.527	334	336	338	rVB2	2110002	2347252	4.00%	0.308%
33	5.584	338	341	346	rBV3	1905626	4148397	7.07%	0.544%
34	5.687	346	350	353	rBV2	5881212	9956652	16.98%	1.305%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083454.D
 Acq On : 3 Dec 2015 10:27
 Operator : UM/IZ
 Sample : G4606-01 20X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

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-BF113015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	5.733	353	354	356	rVB2	822990	1023986	1.75%	0.134%
36	5.790	356	359	361	rVB3	2546918	4952773	8.44%	0.649%
37	5.836	361	363	367	rBV2	1006628	1743865	2.97%	0.229%
38	5.996	374	377	380	rBV	6623257	13118778	22.37%	1.720%
39	6.076	380	384	390	rVV2	14554429	58649812	100.00%	7.689%
40	6.167	390	392	396	rVV2	12208092	25105707	42.81%	3.292%
41	6.247	396	399	402	rVV2	10388836	16212060	27.64%	2.126%
42	6.293	402	403	405	rVV	698623	1243652	2.12%	0.163%
43	6.419	405	414	419	rVV	17710363	51903304	88.50%	6.805%
44	6.499	419	421	424	rVV2	2957656	5416266	9.23%	0.710%
45	6.556	424	426	428	rVV2	1679825	3537622	6.03%	0.464%
46	6.602	428	430	431	rVV	10569178	15441338	26.33%	2.024%
47	6.625	431	432	434	rVV	9649337	14422608	24.59%	1.891%
48	6.705	437	439	441	rVV	9611774	16294631	27.78%	2.136%
49	6.739	441	442	445	rVV	7164434	6978119	11.90%	0.915%
50	6.819	445	449	450	rVV	5630248	9255237	15.78%	1.213%
51	6.853	450	452	454	rVV2	13091872	22280622	37.99%	2.921%
52	6.899	454	456	457	rVV	12472644	17937252	30.58%	2.352%
53	6.967	460	462	465	rVV2	5981663	8998303	15.34%	1.180%
54	7.036	465	468	470	rVV3	7979729	19477899	33.21%	2.554%
55	7.116	472	475	476	rVV	11224444	17793292	30.34%	2.333%
56	7.185	479	481	482	rVV	4859632	6528152	11.13%	0.856%
57	7.219	482	484	485	rVV	2680373	3623276	6.18%	0.475%
58	7.253	485	487	488	rVV	4386074	5438994	9.27%	0.713%
59	7.287	488	490	492	rVV3	1553130	3561607	6.07%	0.467%
60	7.345	492	495	496	rVV2	7268181	12233351	20.86%	1.604%
61	7.367	496	497	499	rVV	8014032	10663534	18.18%	1.398%
62	7.413	499	501	503	rVV	1250259	2150339	3.67%	0.282%
63	7.482	503	507	508	rVV3	2898616	6465458	11.02%	0.848%
64	7.516	508	510	511	rVV	7287488	8694430	14.82%	1.140%
65	7.539	511	512	514	rVV2	2813808	4684615	7.99%	0.614%
66	7.585	514	516	521	rVV6	9336476	24367867	41.55%	3.195%
67	7.676	521	524	526	rVV3	3401424	7485870	12.76%	0.981%
68	7.722	526	528	532	rVV2	2801383	4837340	8.25%	0.634%
69	7.848	532	539	540	rVV2	6665740	18136235	30.92%	2.378%
70	7.870	540	541	544	rVV2	9682088	11084263	18.90%	1.453%
71	7.939	544	547	549	rVV2	2312347	4149757	7.08%	0.544%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083454.D
 Acq On : 3 Dec 2015 10:27
 Operator : UM/IZ
 Sample : G4606-01 20X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

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-BF113015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	7.973	549	550	551	rVV	1258353	1231793	2.10%	0.161%
73	8.019	551	554	558	rVV4	1399709	3789686	6.46%	0.497%
74	8.122	558	563	564	rVV3	2194527	4886868	8.33%	0.641%
75	8.202	568	570	571	rVV	2137105	2763532	4.71%	0.362%
76	8.225	571	572	574	rVV2	3346443	4080422	6.96%	0.535%
77	8.282	574	577	578	rVV3	1472667	3093138	5.27%	0.406%
78	8.305	578	579	581	rVV2	1828009	2306987	3.93%	0.302%
79	8.339	581	582	584	rVV2	1407149	2268914	3.87%	0.297%
80	8.396	585	587	588	rVV2	967611	1700249	2.90%	0.223%
81	8.442	589	591	597	rVV4	2211041	5877566	10.02%	0.771%
82	8.556	597	601	603	rVV	5677143	8827889	15.05%	1.157%
83	8.602	603	605	606	rVV2	408968	712797	1.22%	0.093%
84	8.648	606	609	611	rVV2	3876502	6107378	10.41%	0.801%
85	8.728	613	616	619	rVV3	795658	2103624	3.59%	0.276%
86	8.785	619	621	622	rVV2	653240	1188650	2.03%	0.156%
87	8.842	625	626	628	rVV2	558853	906287	1.55%	0.119%
88	9.002	638	640	642	rVV	905185	1165598	1.99%	0.153%
89	9.093	646	648	652	rVV	535207	829508	1.41%	0.109%
90	9.162	652	654	658	rVB	967286	1475470	2.52%	0.193%
91	9.242	658	661	662	rBV	1458201	1575774	2.69%	0.207%
92	9.356	669	671	675	rVB2	549834	835337	1.42%	0.110%
93	9.573	688	690	692	rBV2	1362456	1417828	2.42%	0.186%
94	11.105	822	824	831	rBV	891038	1071000	1.83%	0.140%
95	14.728	1138	1141	1144	rVB	658574	887687	1.51%	0.116%
96	16.797	1318	1322	1327	rVB	428495	714446	1.22%	0.094%

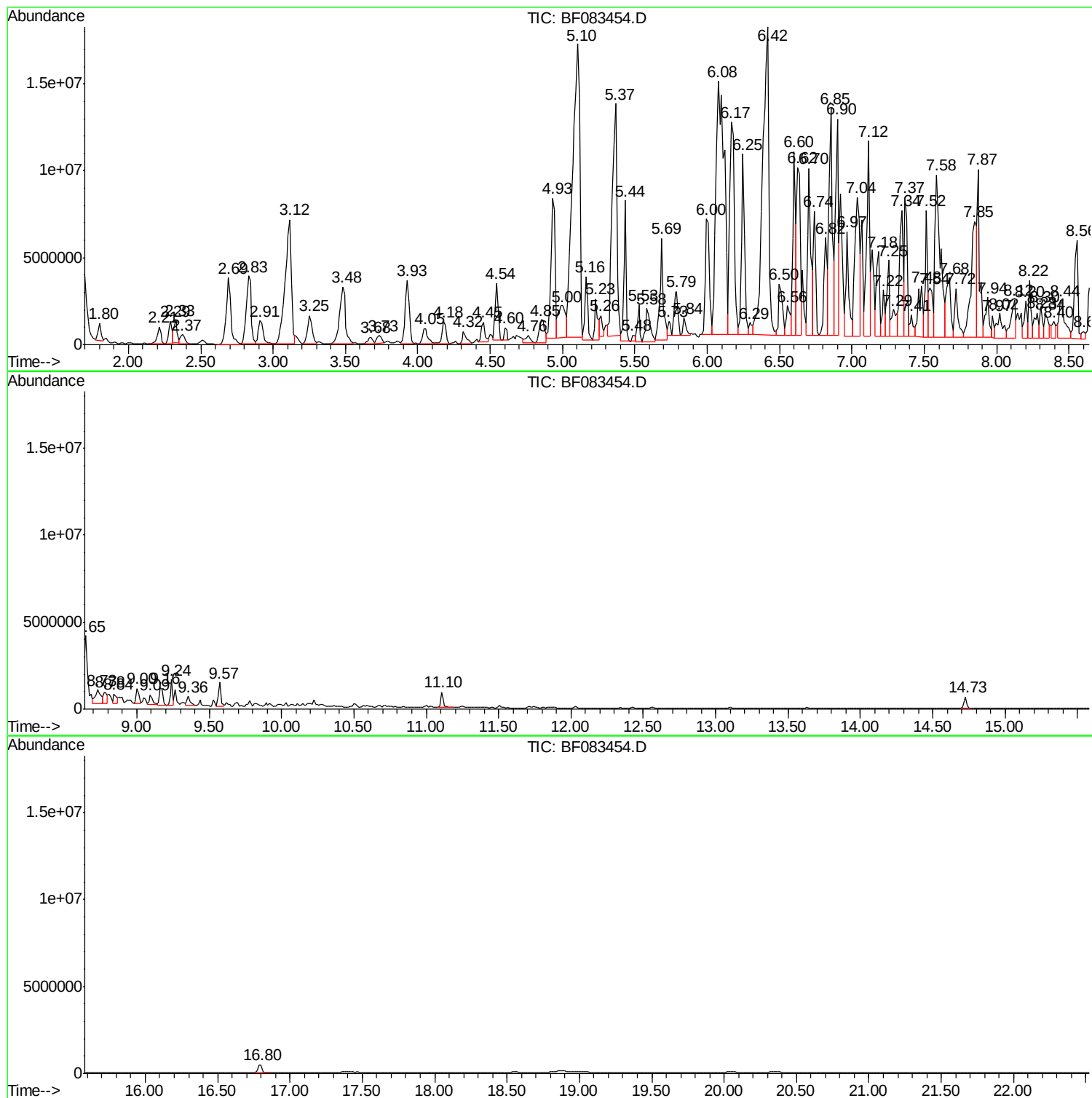
Sum of corrected areas: 762731882

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

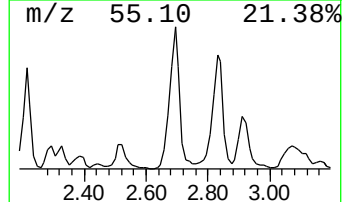
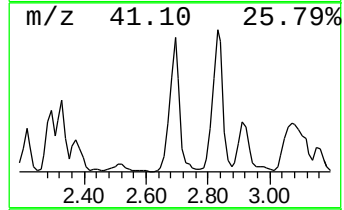
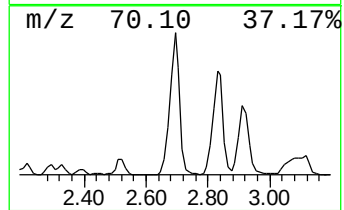
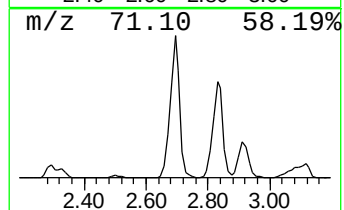
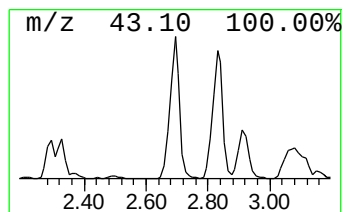
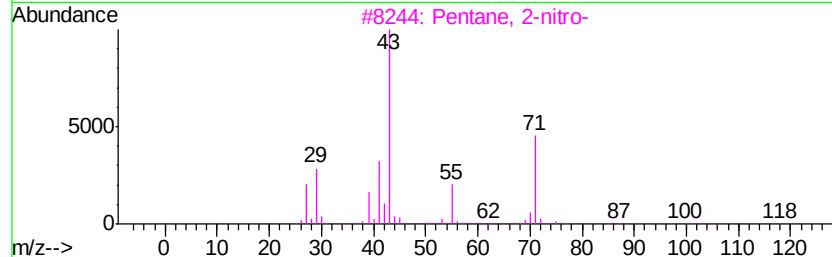
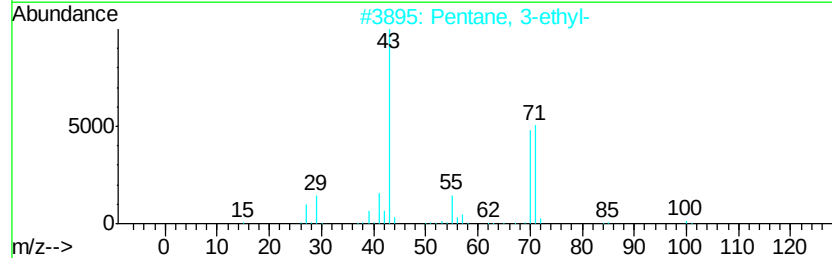
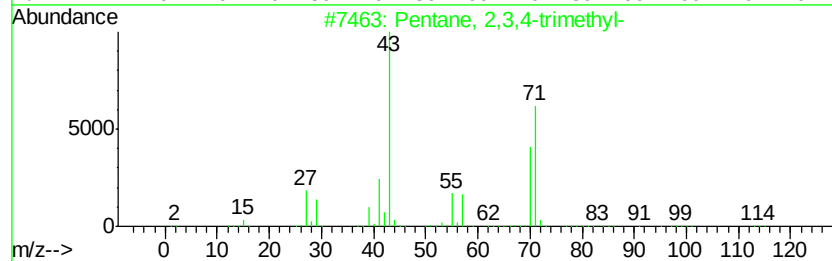
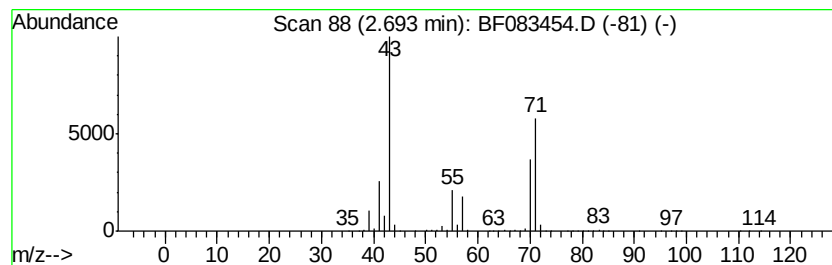
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Pentane, 2,3,4-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.69	49.42 ng	8741690	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
3		Pentane, 2-nitro-	117	C5H11NO2	004609-89-6	59
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45
5		2-Furanmethanol, tetrahydro-, ac...	144	C7H12O3	000637-64-9	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

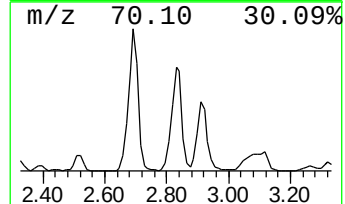
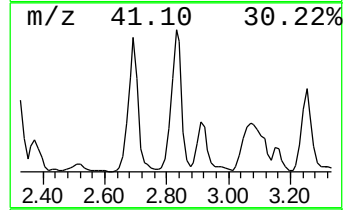
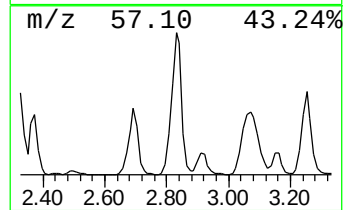
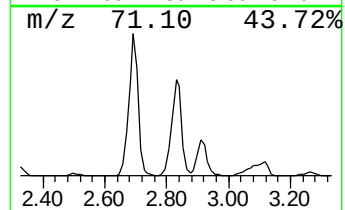
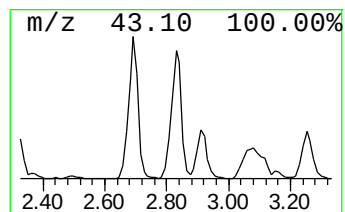
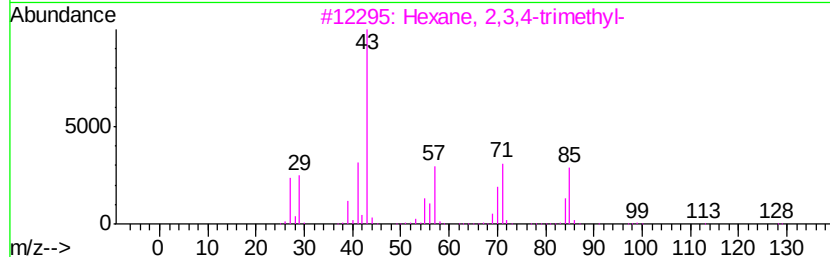
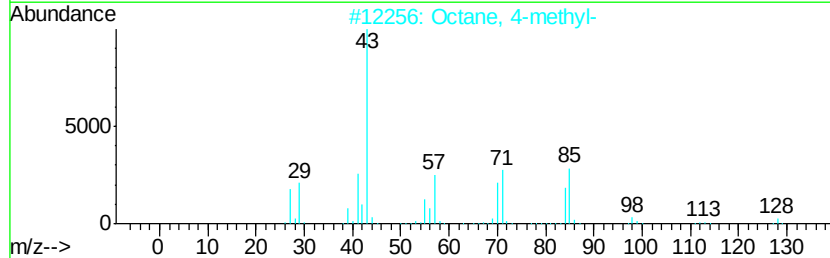
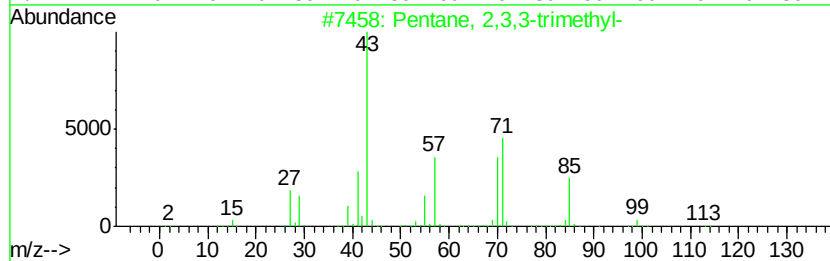
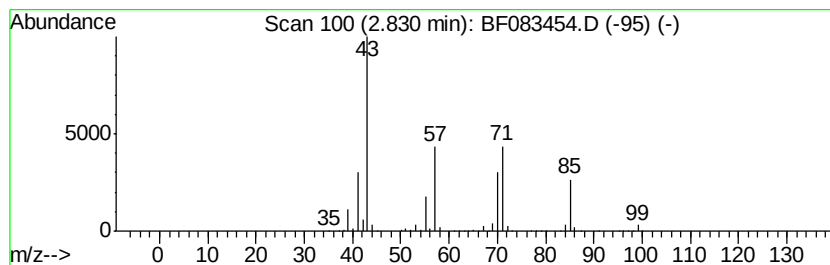
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Pentane, 2,3,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.83	50.01 ng	8846210	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2		Octane, 4-methyl-	128	C9H20	002216-34-4	83
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

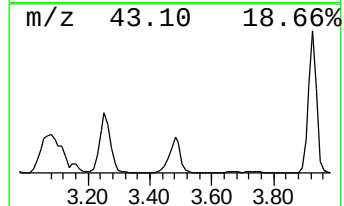
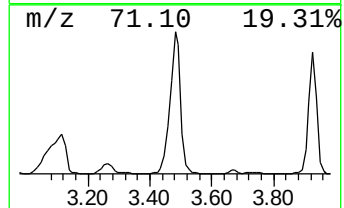
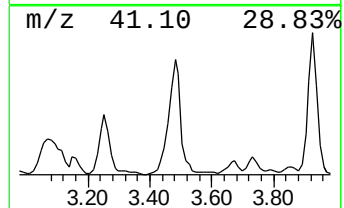
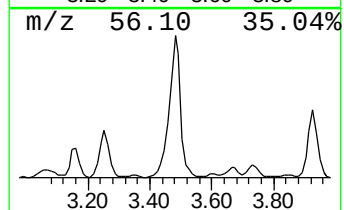
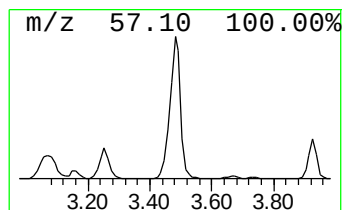
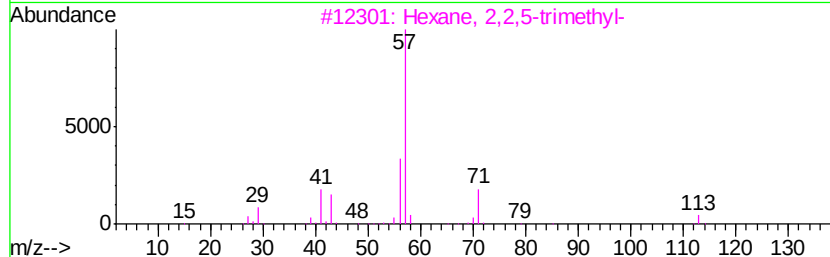
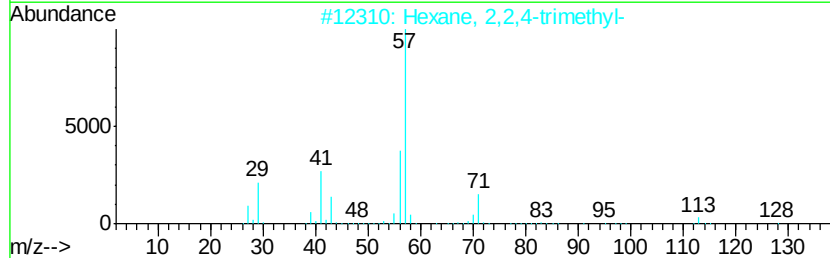
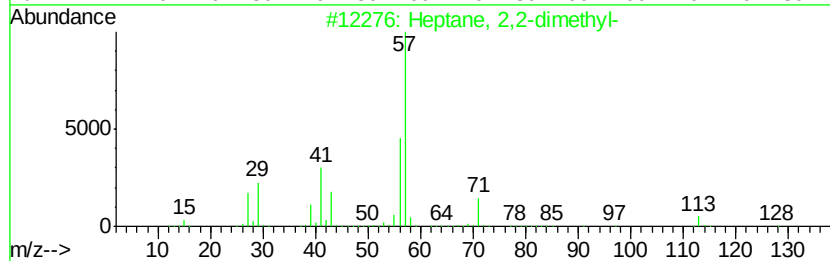
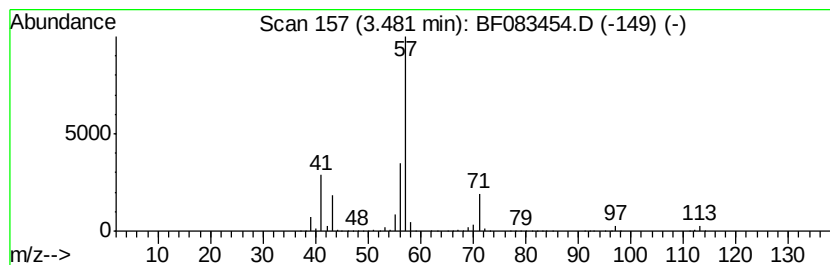
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptane, 2,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	53.11 ng	9393680	1,4-Dichlorobenzene-d4	6.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	78
2			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	78
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
4			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
5			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

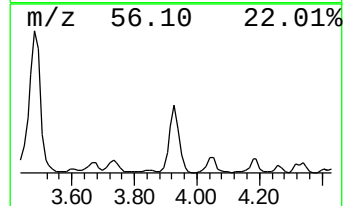
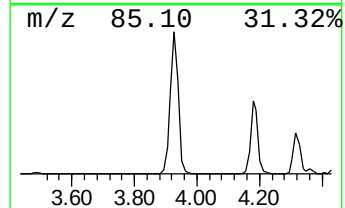
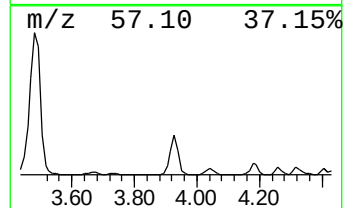
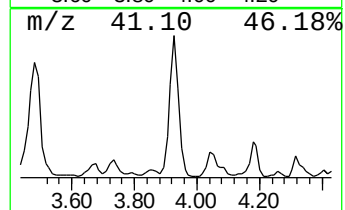
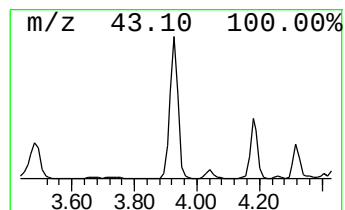
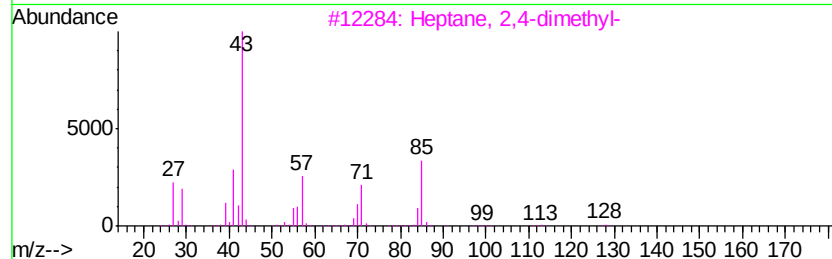
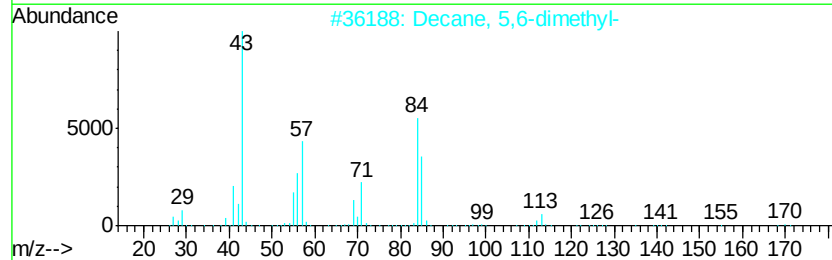
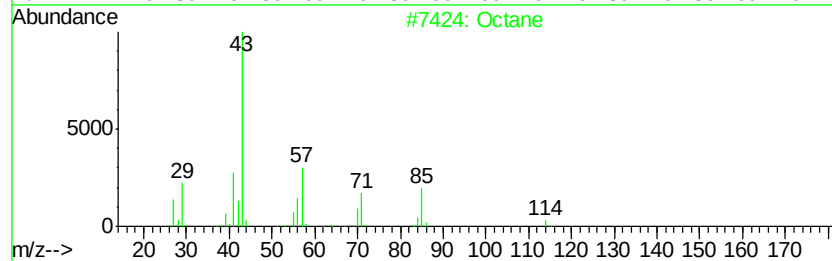
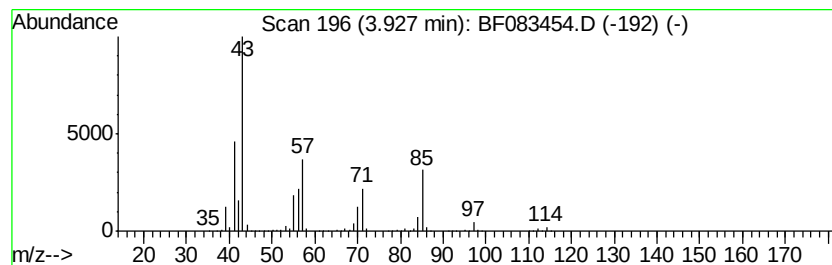
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	39.98 ng	7071960	1,4-Dichlorobenzene-d4	6.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane		114	C8H18	000111-65-9	90
2	Decane, 5,6-dimethyl-		170	C12H26	001636-43-7	64
3	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	59
4	Hydroxylamine, O-decyl-		173	C10H23NO	029812-79-1	59
5	1,3-Cyclohexanediamine		114	C6H14N2	003385-21-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

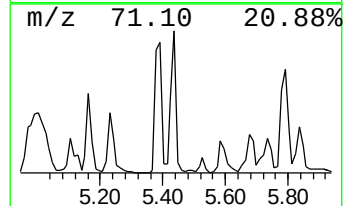
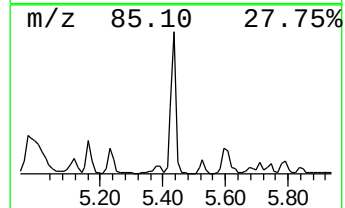
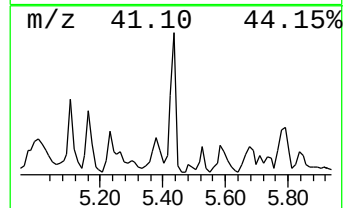
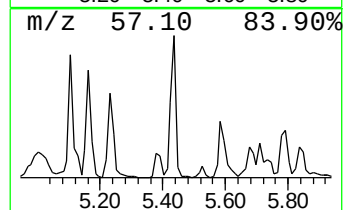
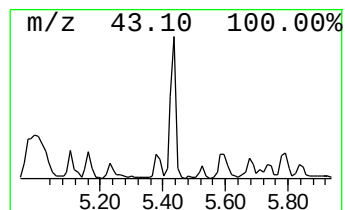
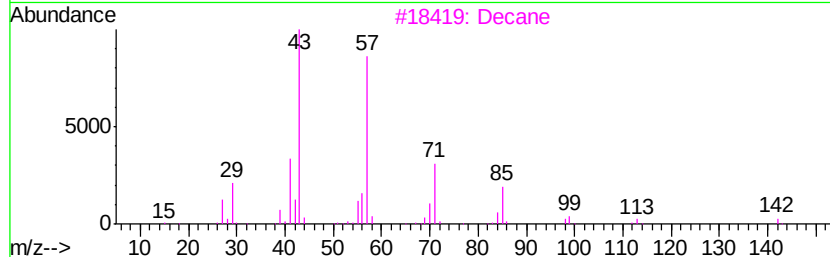
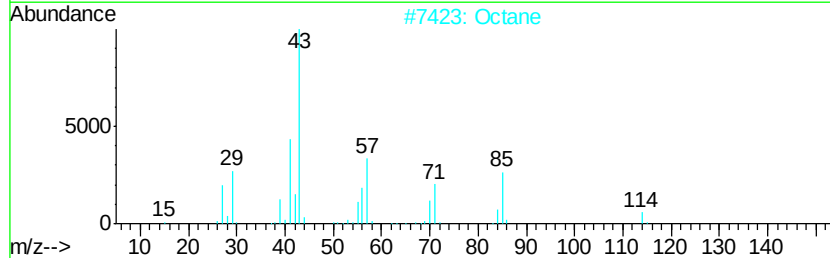
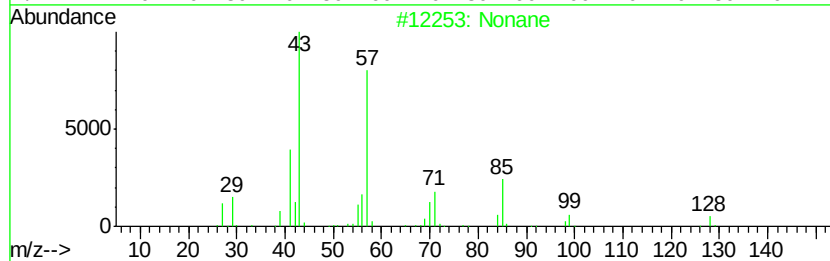
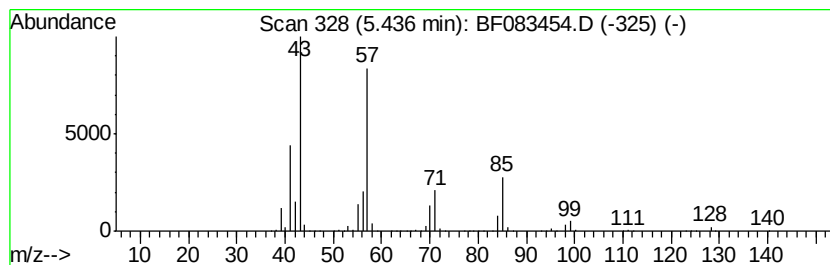
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Nonane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	53.10 ng	9392610	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	91
2		Octane	114	C8H18	000111-65-9	64
3		Decane	142	C10H22	000124-18-5	59
4		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
5		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

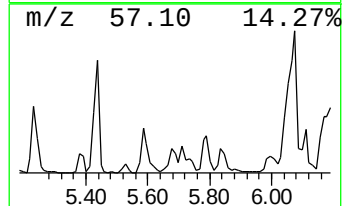
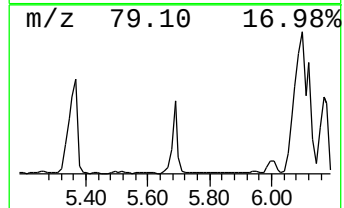
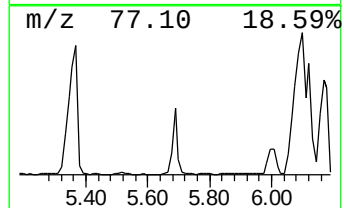
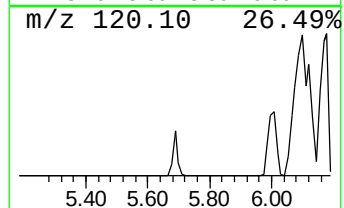
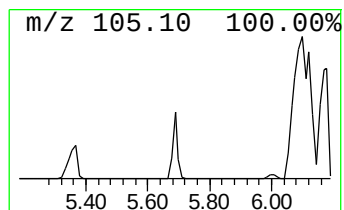
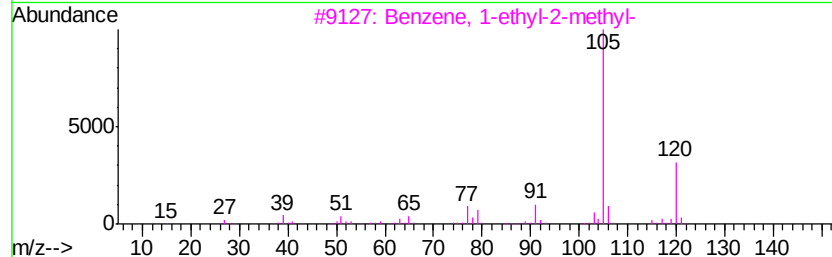
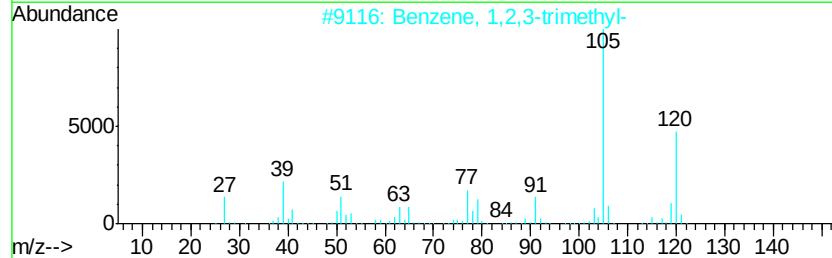
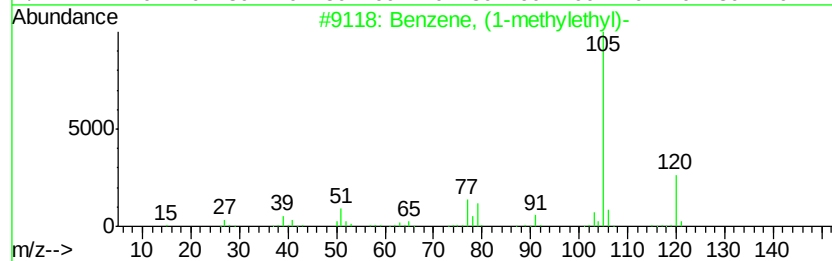
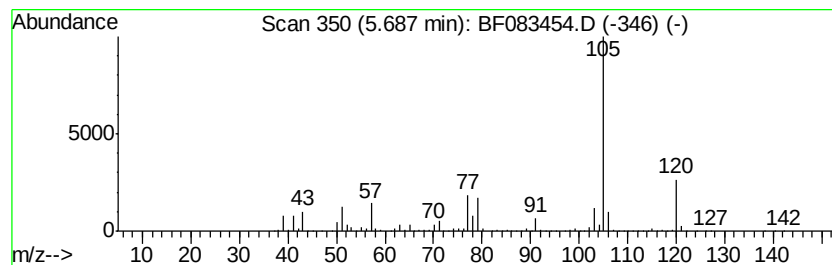
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, (1-methylethyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	56.29 ng	9956650	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	93
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

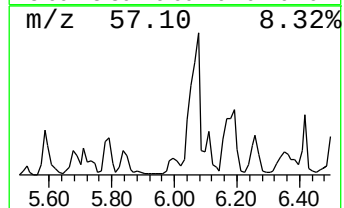
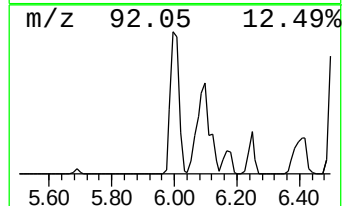
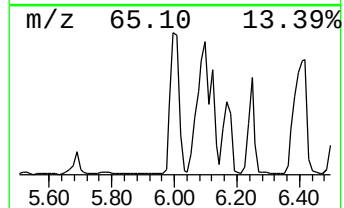
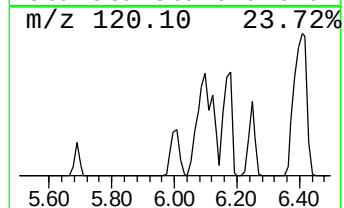
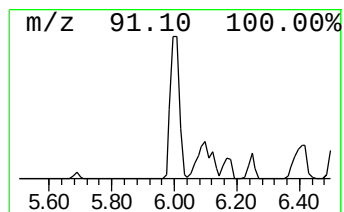
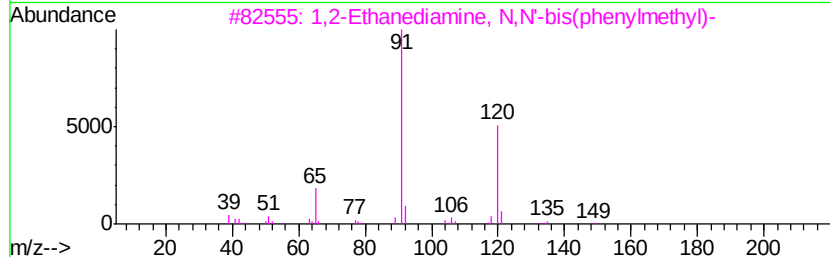
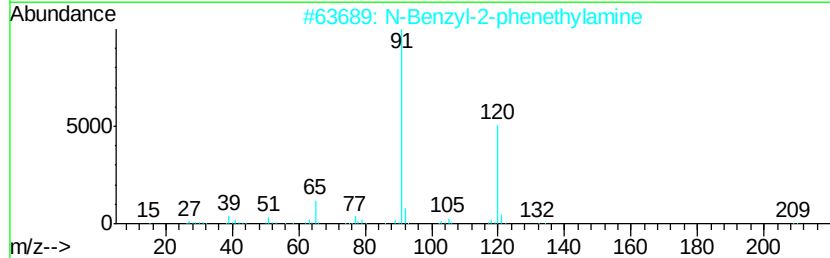
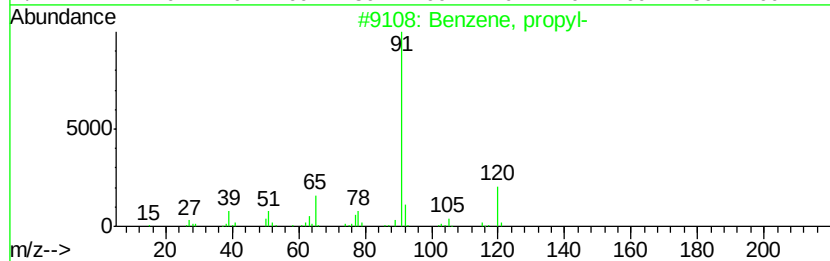
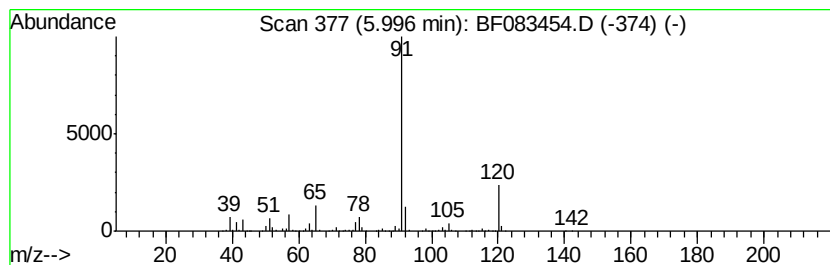
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	74.17 ng	13118800	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
3		1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
4		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
5		Phosphonous dichloride, (phenylm...	192	C7H7Cl2P	004545-85-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

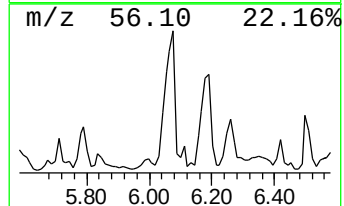
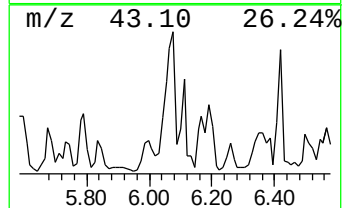
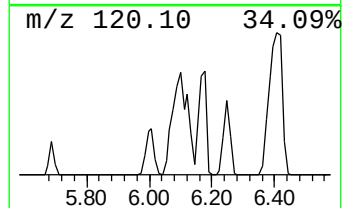
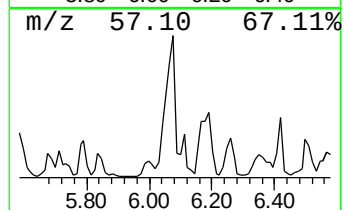
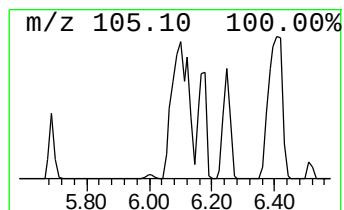
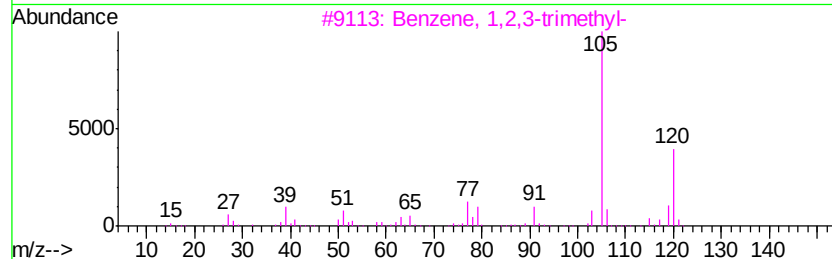
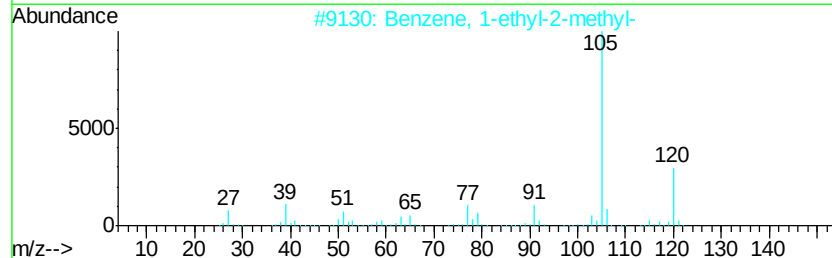
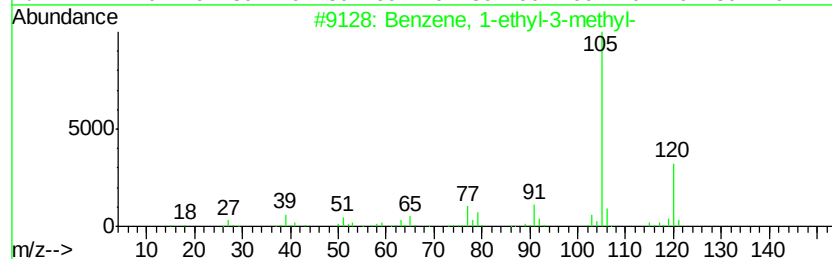
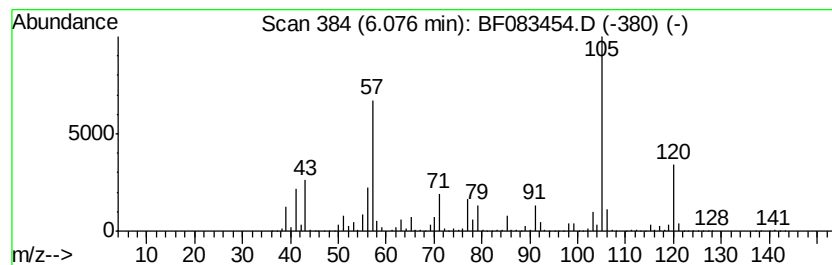
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	331.58 ng	58649800	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	55
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

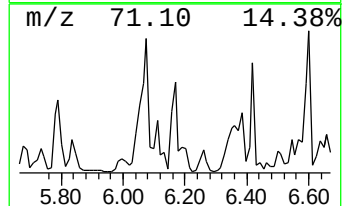
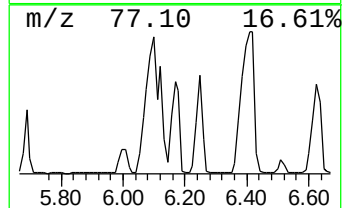
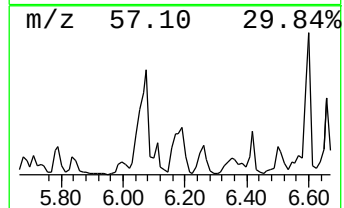
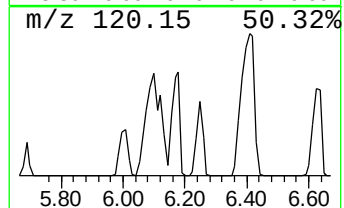
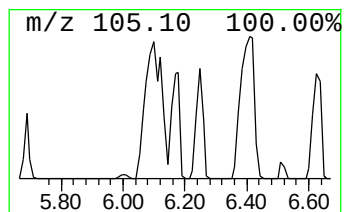
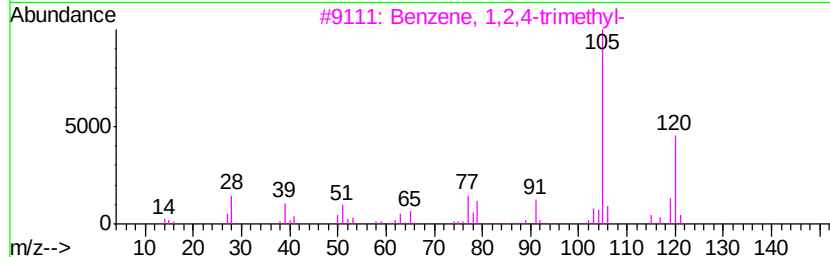
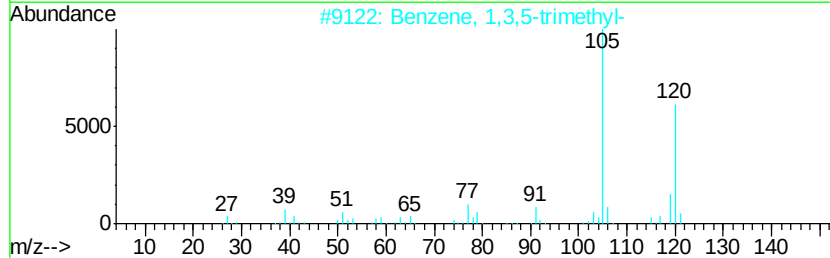
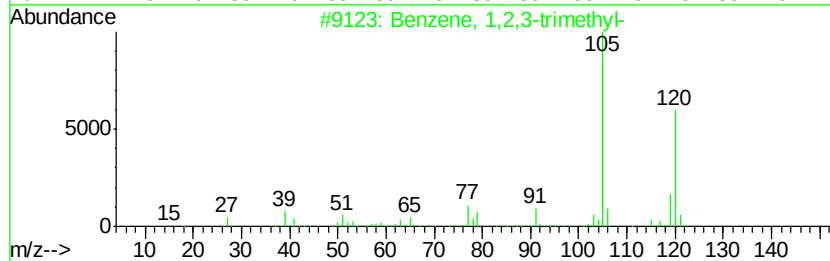
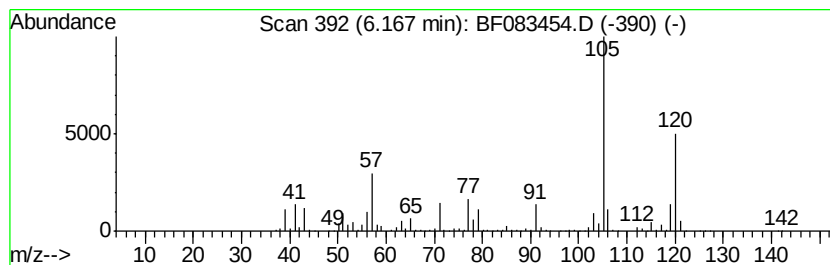
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	141.94 ng	25105700	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

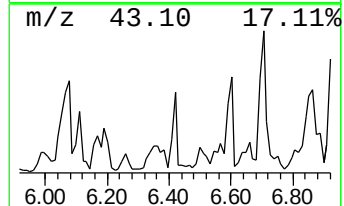
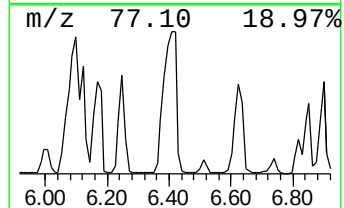
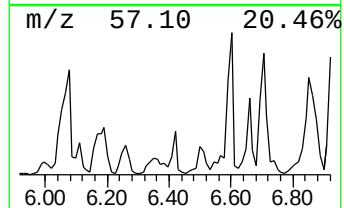
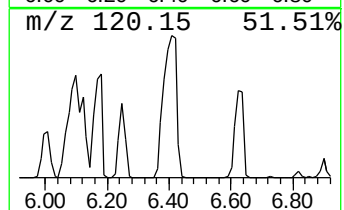
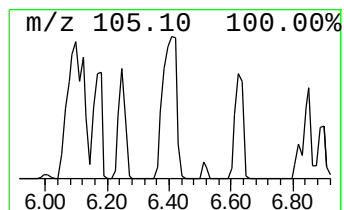
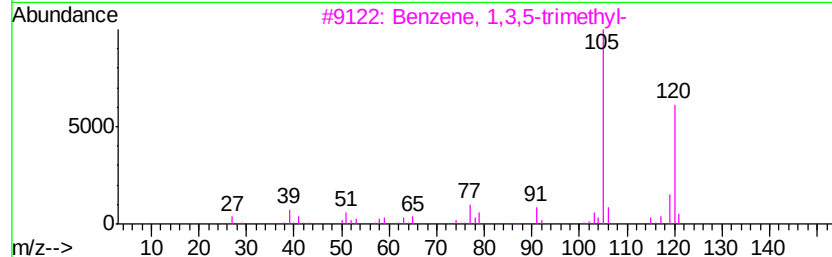
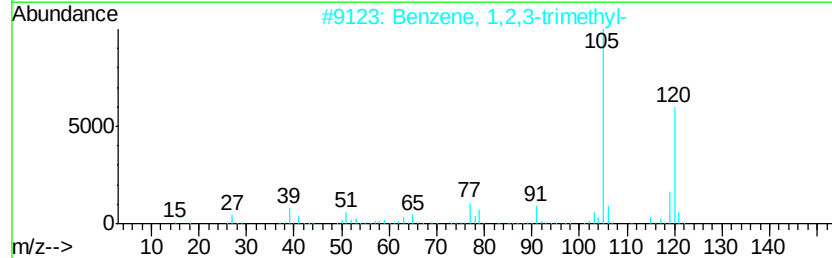
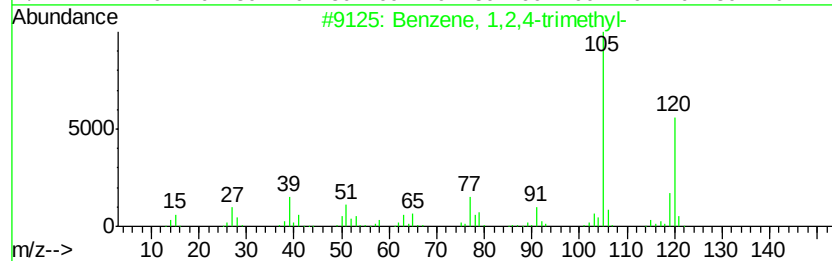
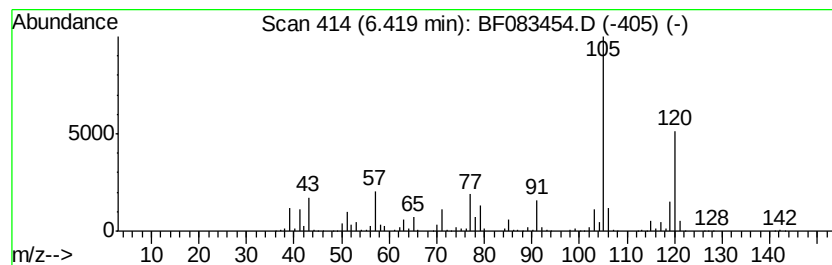
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	293.44 ng	51903300	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

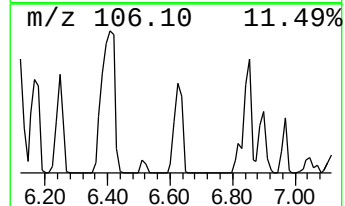
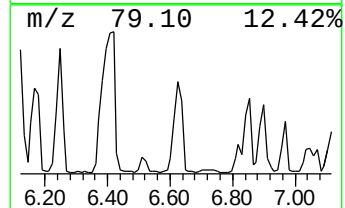
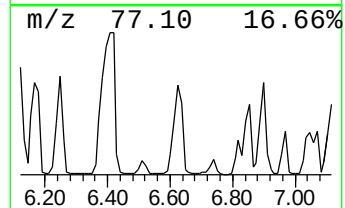
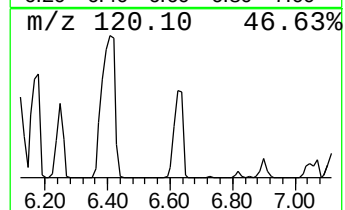
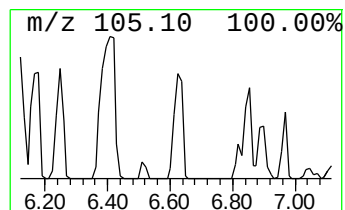
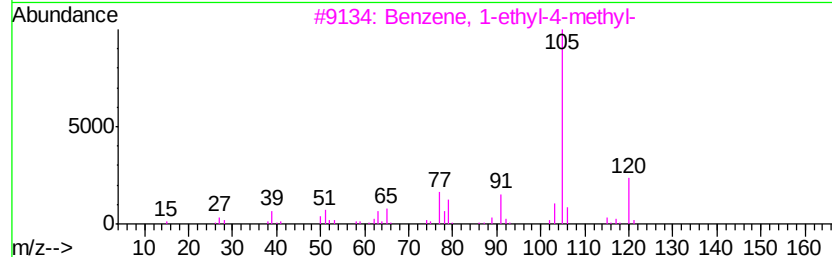
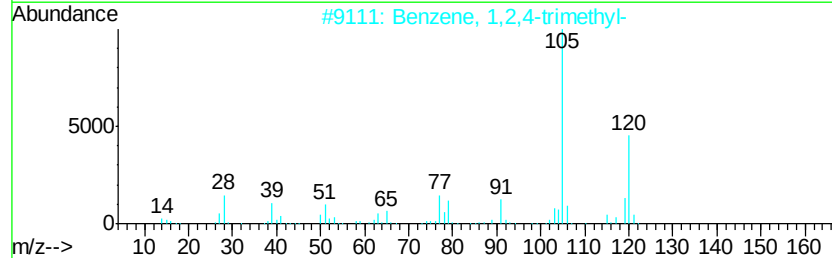
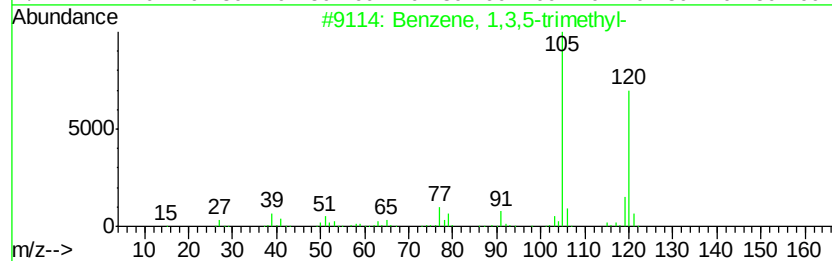
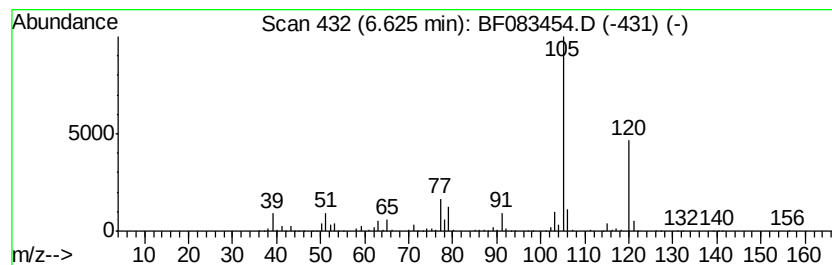
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1,3,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	81.54 ng	14422600	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

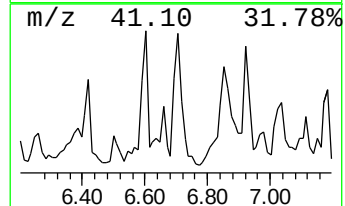
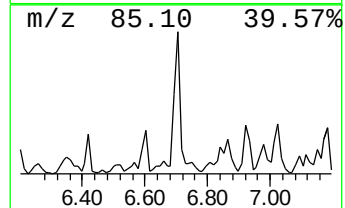
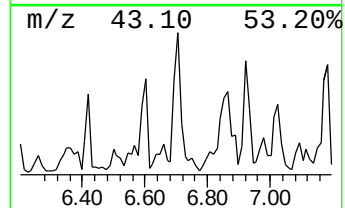
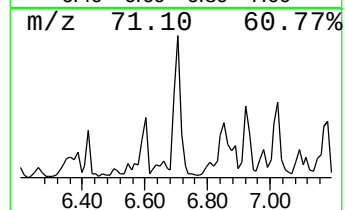
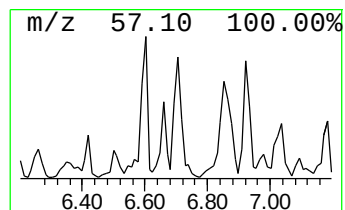
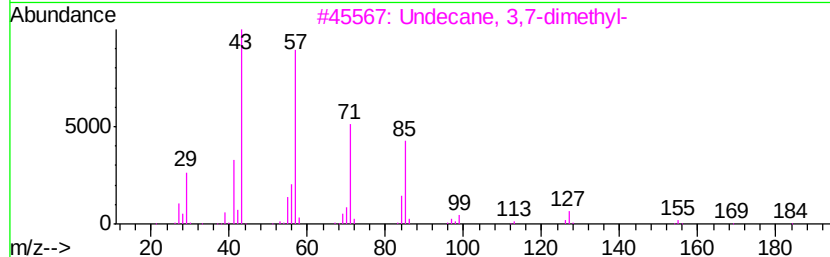
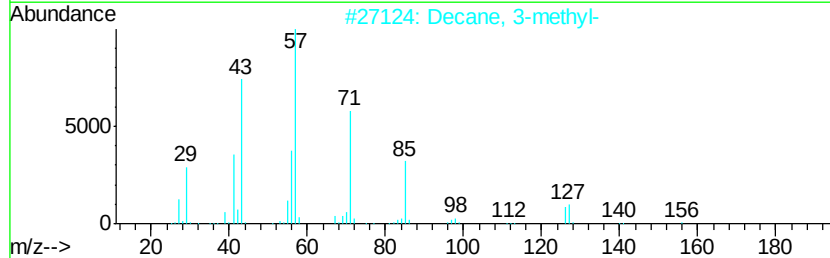
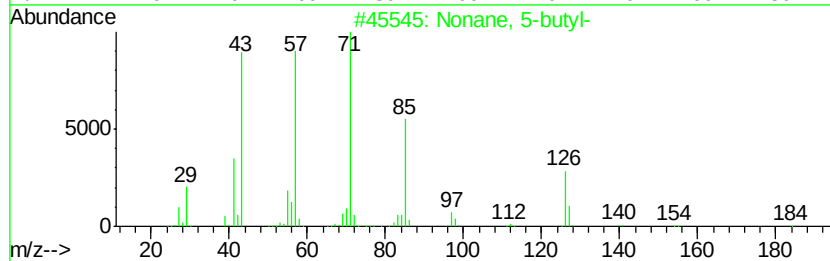
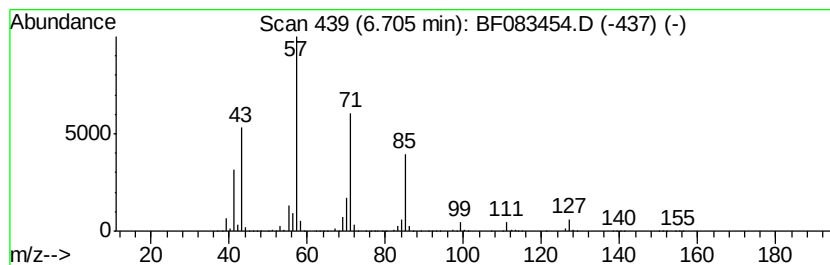
Instrument :
BNA_F
ClientSampleId :
C-68-20151130

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Nonane, 5-butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	92.12 ng	16294600	1,4-Dichlorobenzene-d4	6.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 5-butyl-	184 C13H28	017312-63-9	64
2	Decane, 3-methyl-	156 C11H24	013151-34-3	64
3	Undecane, 3,7-dimethyl-	184 C13H28	017301-29-0	59
4	Undecane, 5-methyl-	170 C12H26	001632-70-8	53
5	Octane, 2,4,6-trimethyl-	156 C11H24	062016-37-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

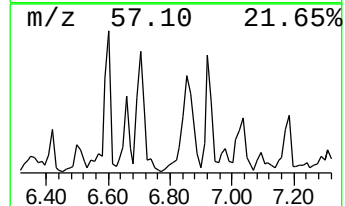
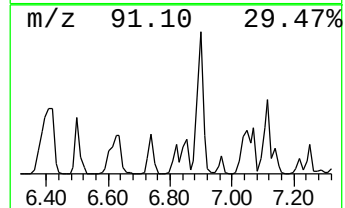
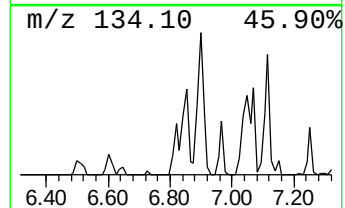
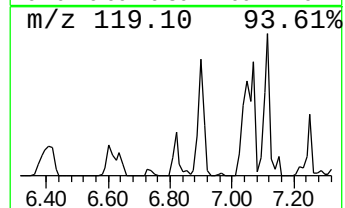
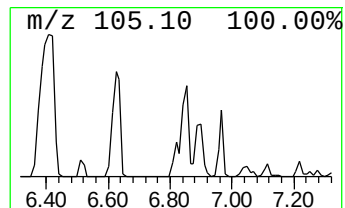
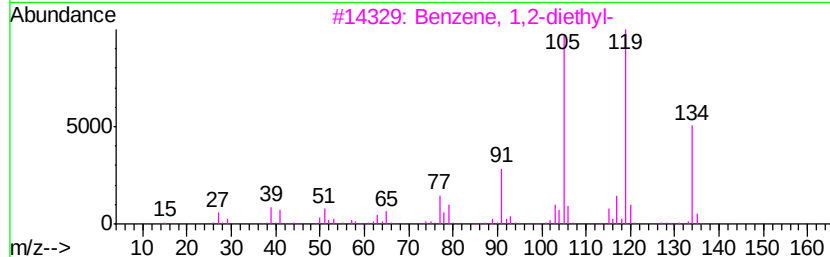
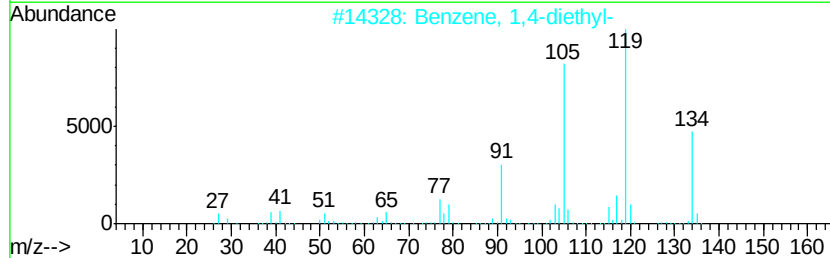
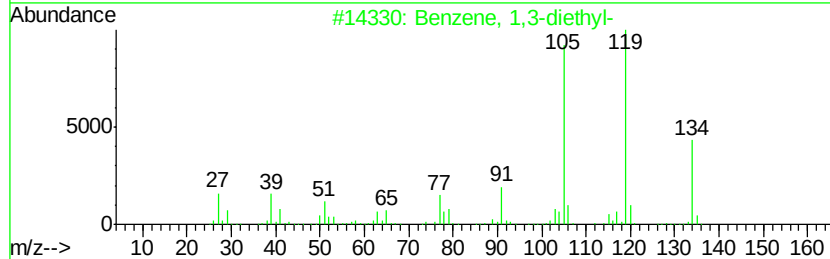
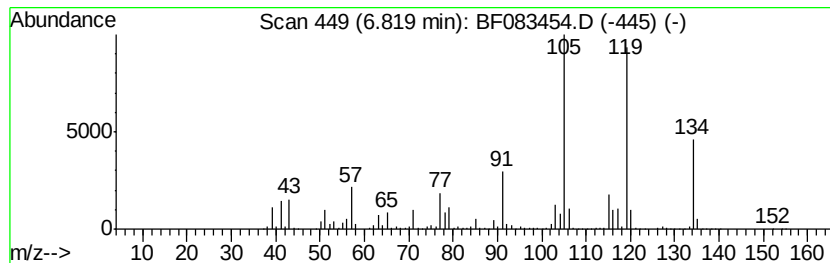
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 1,3-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	52.32 ng	9255240	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

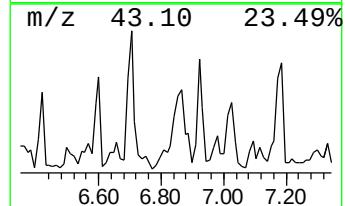
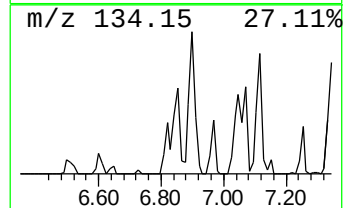
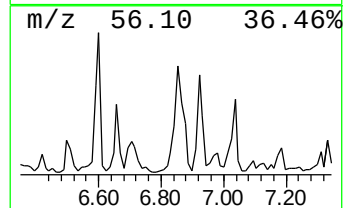
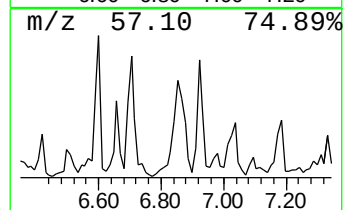
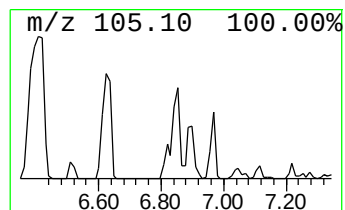
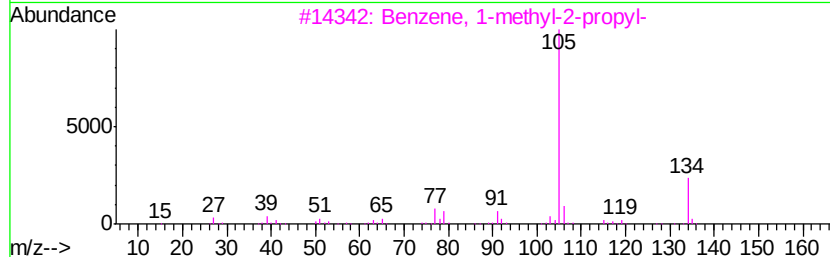
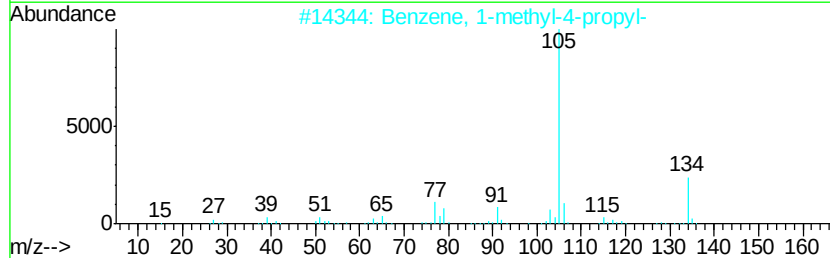
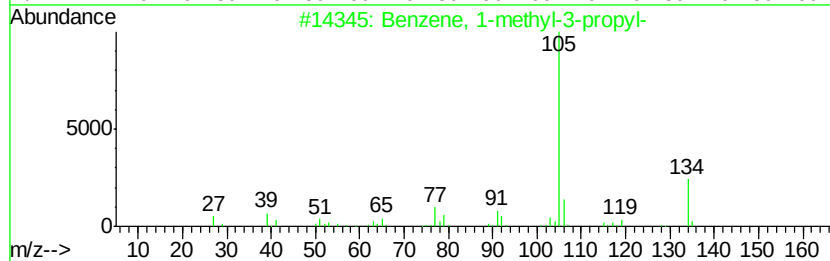
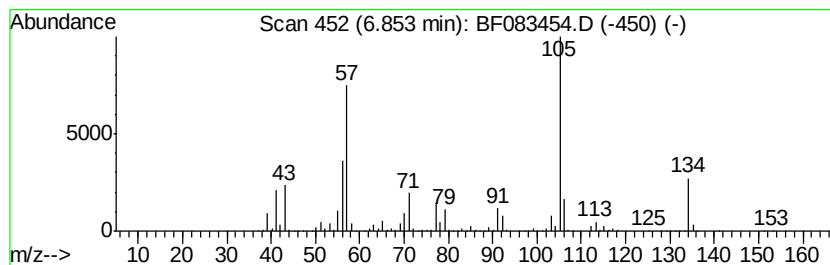
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzene, 1-methyl-3-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	125.96 ng	22280600	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	50
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	50
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	45
4		2-Tolylloxirane	134	C9H10O	002783-26-8	41
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

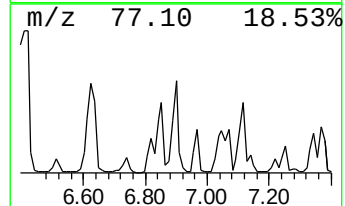
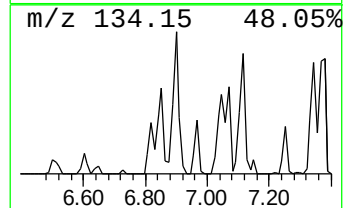
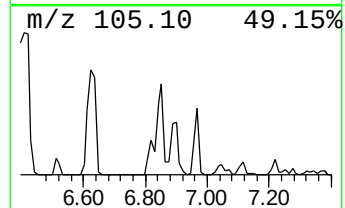
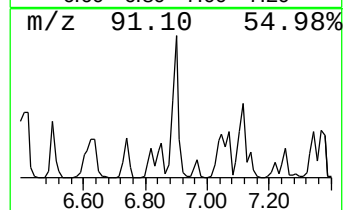
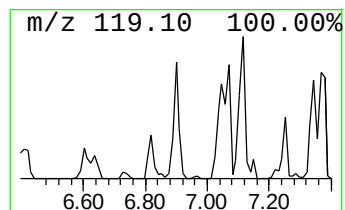
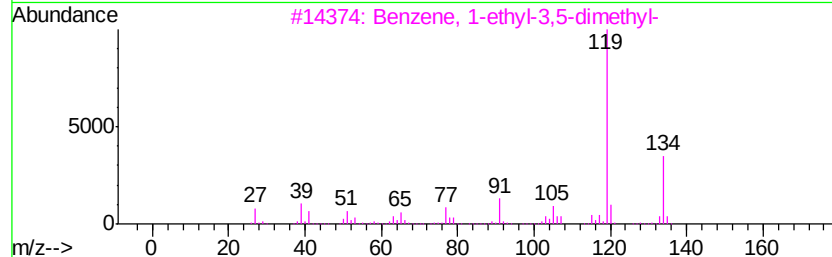
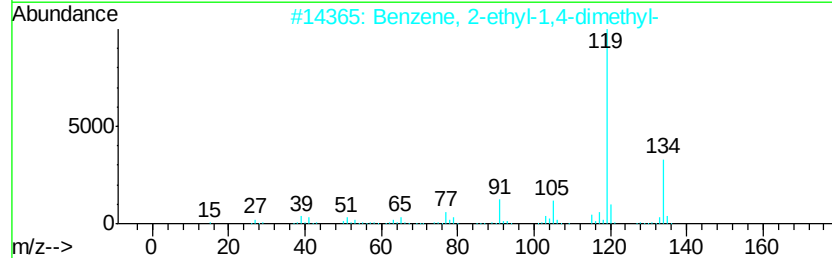
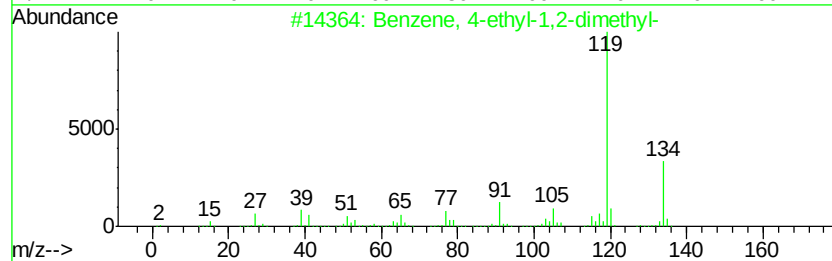
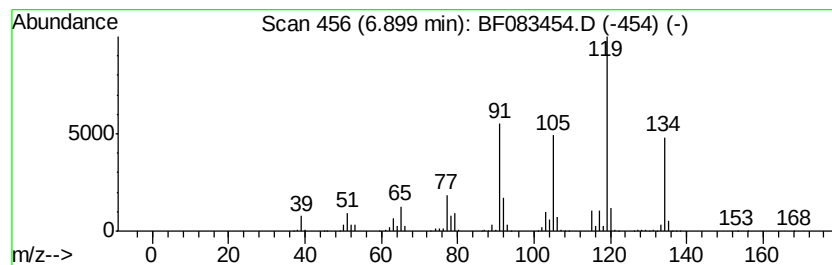
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	101.41 ng	17937300	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083454.D
Acq On : 3 Dec 2015 10:27
Operator : UM/IZ
Sample : G4606-01 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-68-20151130

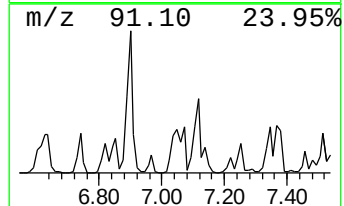
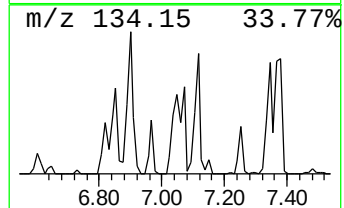
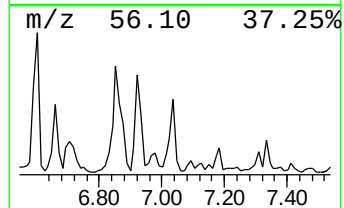
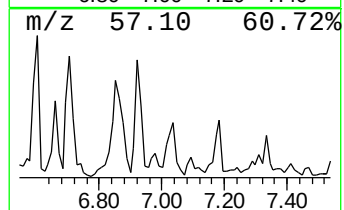
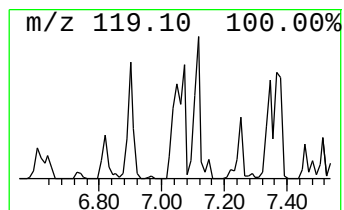
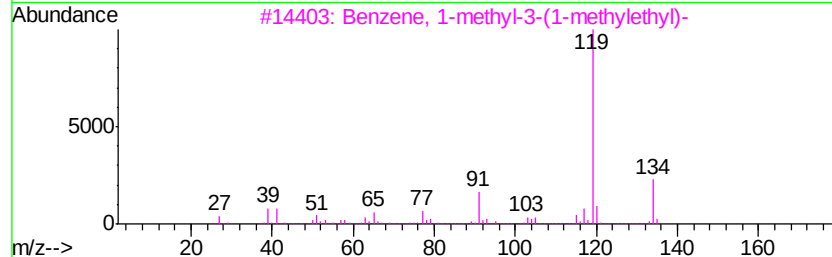
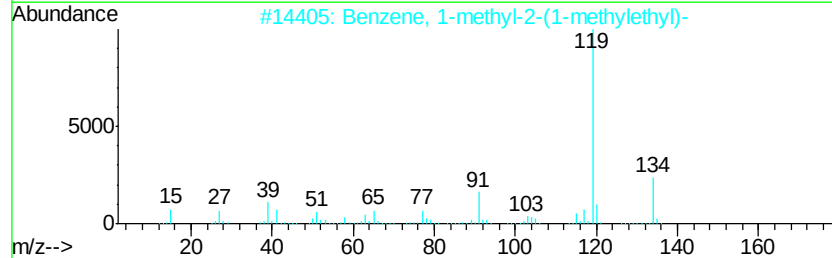
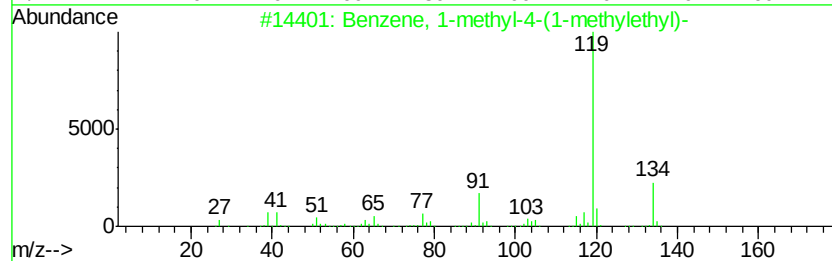
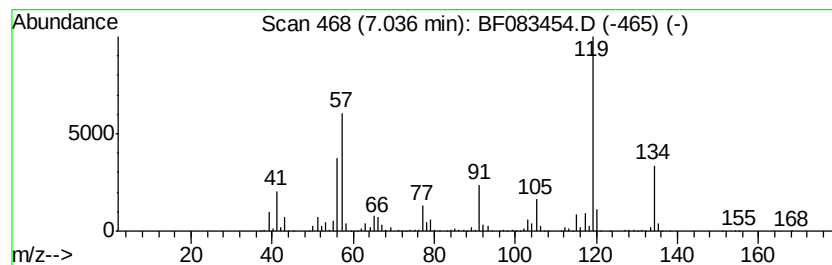
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzene, 1-methyl-4-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	110.12 ng	19477900	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
3		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083454.D
 Acq On : 3 Dec 2015 10:27
 Operator : UM/IZ
 Sample : G4606-01 20X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-68-20151130

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Pentane, 2,3,4-tr...	2.69	49.4	ng	8741690	1	6.56	3537620	20.0
Pentane, 2,3,3-tr...	2.83	50.0	ng	8846210	1	6.56	3537620	20.0
Heptane, 2,2-dime...	3.48	53.1	ng	9393680	1	6.56	3537620	20.0
Octane	3.93	40.0	ng	7071960	1	6.56	3537620	20.0
Nonane	5.44	53.1	ng	9392610	1	6.56	3537620	20.0
Benzene, (1-methy...	5.69	56.3	ng	9956650	1	6.56	3537620	20.0
Benzene, propyl-	6.00	74.2	ng	13118800	1	6.56	3537620	20.0
Benzene, 1-ethyl-...	6.08	331.6	ng	58649800	1	6.56	3537620	20.0
Benzene, 1,2,3-tr...	6.17	141.9	ng	25105700	1	6.56	3537620	20.0
Benzene, 1,2,4-tr...	6.42	293.4	ng	51903300	1	6.56	3537620	20.0
Benzene, 1,3,5-tr...	6.62	81.5	ng	14422600	1	6.56	3537620	20.0
Nonane, 5-butyl-	6.70	92.1	ng	16294600	1	6.56	3537620	20.0
Benzene, 1,3-diet...	6.82	52.3	ng	9255240	1	6.56	3537620	20.0
Benzene, 1-methyl...	6.85	126.0	ng	22280600	1	6.56	3537620	20.0
Benzene, 4-ethyl-...	6.90	101.4	ng	17937300	1	6.56	3537620	20.0
Benzene, 1-methyl...	7.04	110.1	ng	19477900	1	6.56	3537620	20.0