

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086371.D
 Acq On : 23 Apr 2016 5:20
 Operator : UM/SJ
 Sample : H2634-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

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-BF042216.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	3.356	103	111	113	rBV2	35512	90402	1.73%	0.231%
2	3.516	119	125	130	rBV	62959	130682	2.50%	0.334%
3	4.533	209	214	217	rBV	64697	97405	1.86%	0.249%
4	4.796	231	237	241	rBV	49614	75445	1.44%	0.193%
5	5.002	253	255	259	rBV	185601	264822	5.07%	0.677%
6	5.424	290	292	295	rBV	1456200	1626031	31.11%	4.154%
7	5.836	326	328	330	rBV	52498	76741	1.47%	0.196%
8	5.996	340	342	345	rBV	226924	235612	4.51%	0.602%
9	6.465	380	383	387	rBV	1027288	1171192	22.40%	2.992%
10	6.522	387	388	393	rVB2	58632	86446	1.65%	0.221%
11	6.602	393	395	398	rBV	3070337	3130039	59.88%	7.996%
12	6.796	408	412	414	rVB2	79028	124497	2.38%	0.318%
13	6.842	414	416	418	rBV	798396	862177	16.49%	2.203%
14	6.990	427	429	431	rBV	2266363	3056268	58.47%	7.808%
15	7.025	431	432	433	rVV	300841	324197	6.20%	0.828%
16	7.070	433	436	439	rVV	257248	549569	10.51%	1.404%
17	7.185	442	446	449	rVV2	153248	289966	5.55%	0.741%
18	7.242	449	451	453	rVB	103263	126442	2.42%	0.323%
19	7.402	458	465	468	rBV2	2390930	3314368	63.40%	8.467%
20	7.493	471	473	475	rVB	65145	86211	1.65%	0.220%
21	7.619	481	484	486	rBV	547511	722523	13.82%	1.846%
22	7.687	489	490	496	rVB3	35754	52473	1.00%	0.134%
23	7.802	496	500	503	rVB	279282	395418	7.56%	1.010%
24	7.859	503	505	508	rBV	558131	576313	11.02%	1.472%
25	8.122	521	528	531	rBV	1207464	1693033	32.39%	4.325%
26	8.168	531	532	537	rVV	141540	231001	4.42%	0.590%
27	8.328	541	546	548	rVB4	20516	61613	1.18%	0.157%
28	8.408	551	553	556	rVB2	61599	76435	1.46%	0.195%
29	8.590	567	569	571	rBV	88695	86744	1.66%	0.222%
30	8.785	584	586	588	rBV3	45736	53195	1.02%	0.136%
31	8.933	597	599	601	rBV2	67847	92950	1.78%	0.237%
32	9.196	620	622	625	rBV	3133572	4777410	91.39%	12.204%
33	9.368	634	637	639	rBV2	44497	69786	1.33%	0.178%
34	9.596	655	657	661	rBV	88723	111174	2.13%	0.284%

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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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.676	661	664	668	rVB3	30188	79332	1.52%	0.203%
36	9.871	679	681	684	rBV	1152019	1465138	28.03%	3.743%
37	10.316	716	720	721	rBV2	69115	79616	1.52%	0.203%
38	10.533	736	739	742	rBV	33005	55692	1.07%	0.142%
39	10.659	748	750	753	rBV2	2269660	2965888	56.74%	7.577%
40	10.785	760	761	768	rVB	98099	127776	2.44%	0.326%
41	11.356	809	811	822	rBV	1371986	1609404	30.79%	4.111%
42	12.945	947	950	969	rBV	4279591	5227427	100.00%	13.354%
43	13.985	1039	1041	1055	rVV	1187934	1572408	30.08%	4.017%
44	15.403	1162	1165	1175	rBV	754163	1243941	23.80%	3.178%

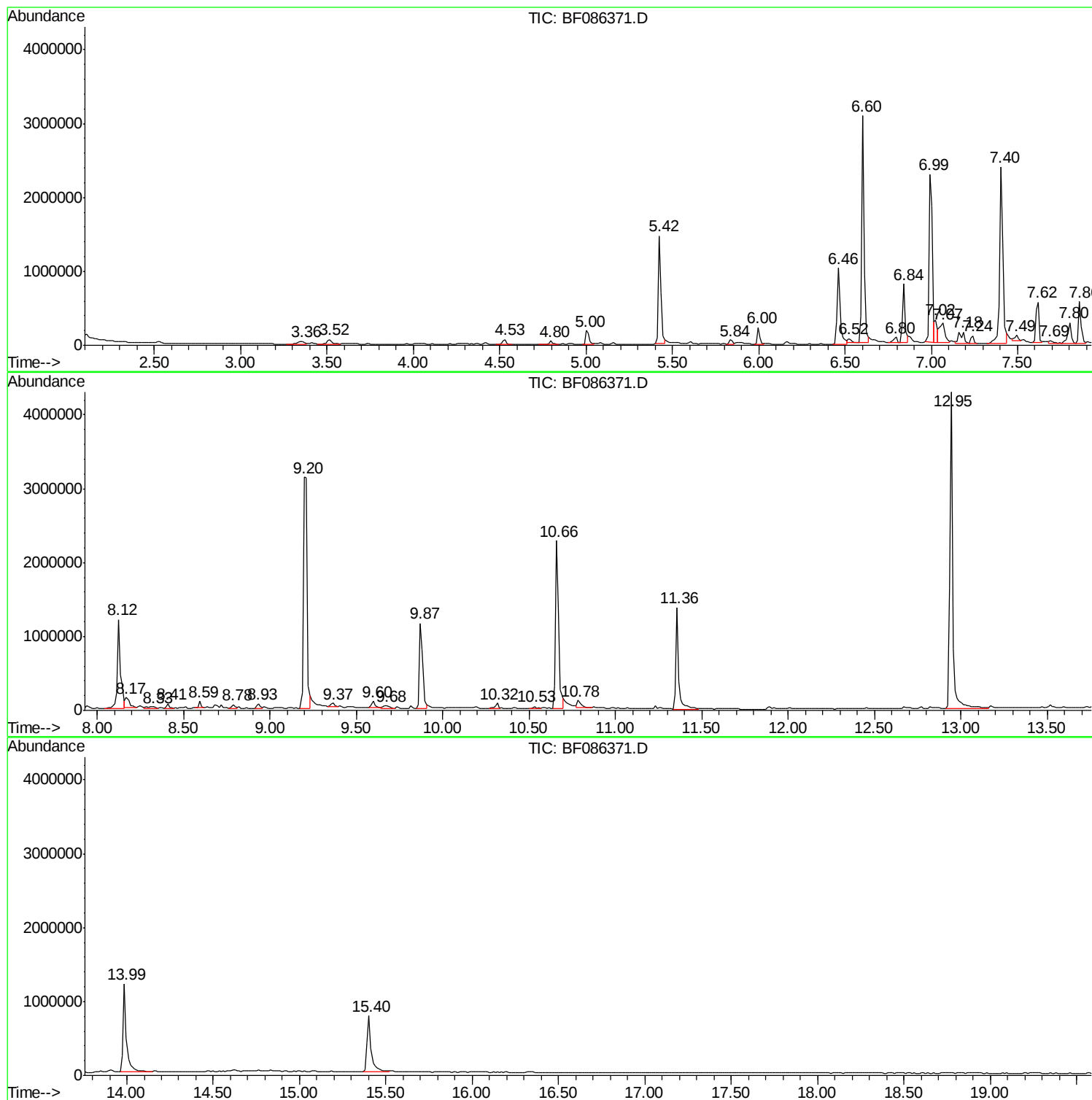
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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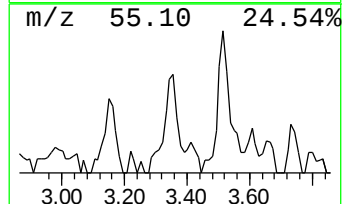
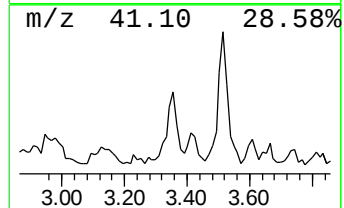
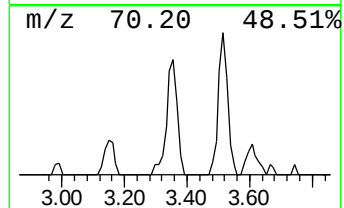
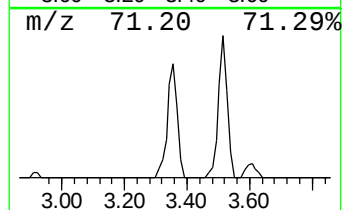
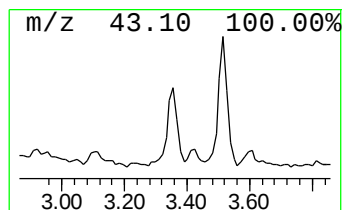
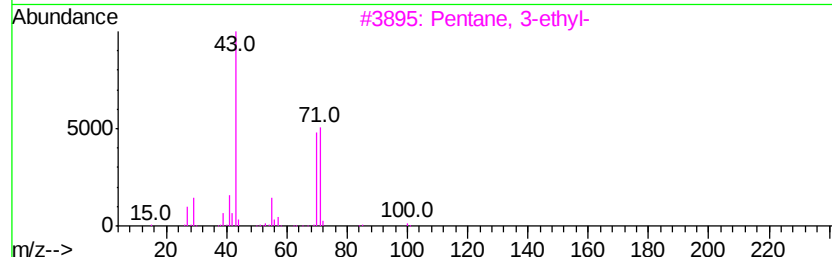
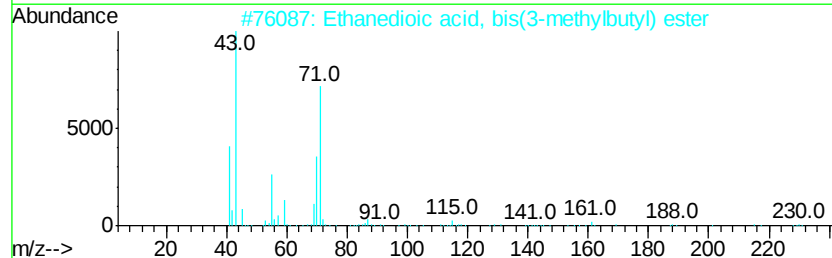
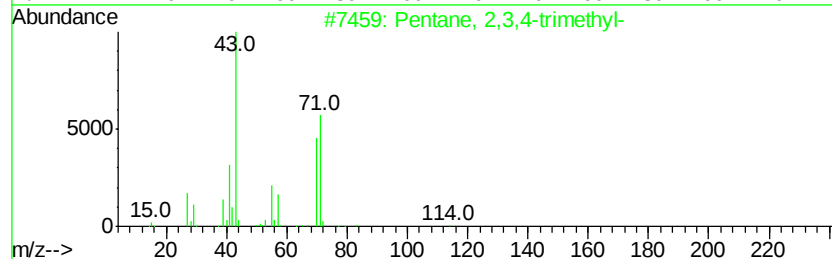
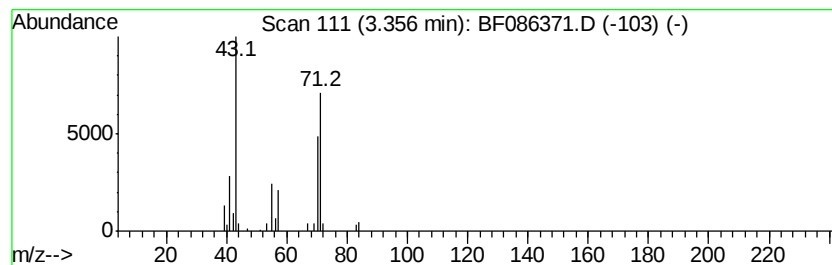
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Pentane, 2,3,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.36	2.10 ng	90402	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
2		Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	72
3		Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4		Pentane, 2-nitro-	117	C5H11NO2	004609-89-6	47
5		1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	38



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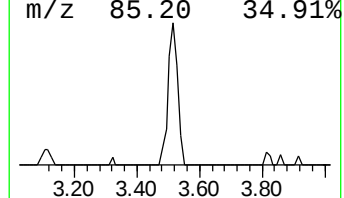
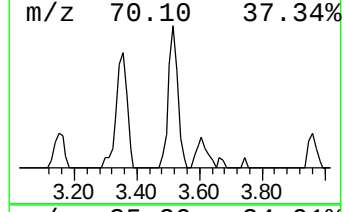
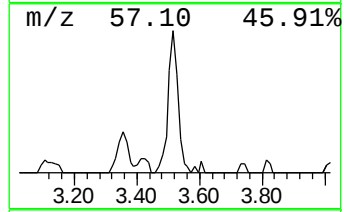
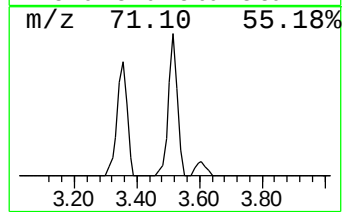
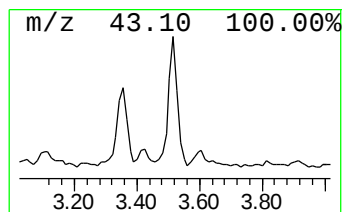
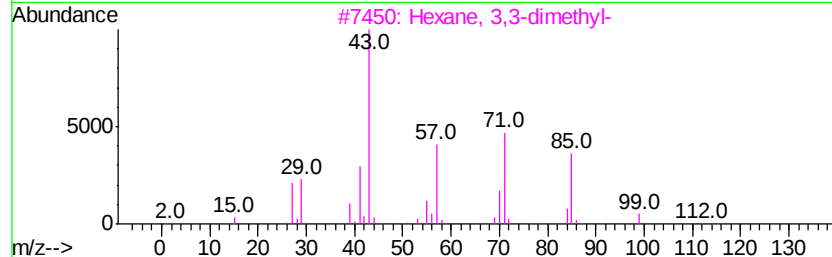
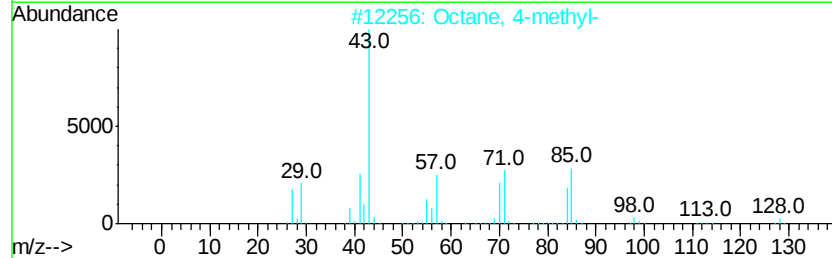
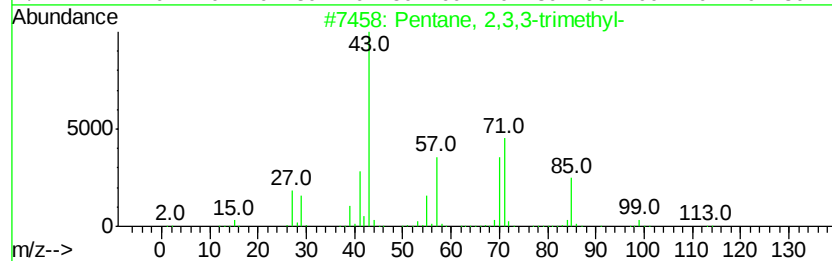
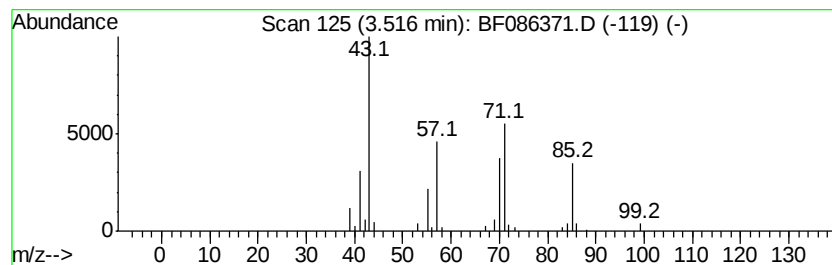
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 2,3,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	3.03 ng	130682	1,4-Dichlorobenzene-d4	6.84

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	78
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	78
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	56
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53



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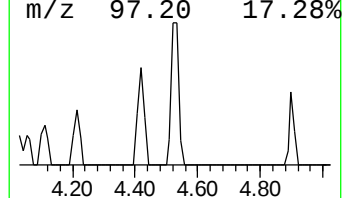
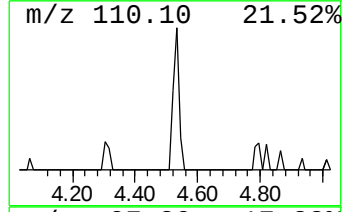
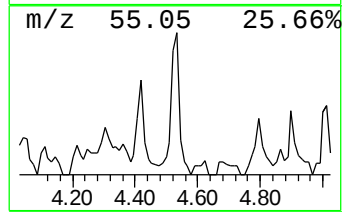
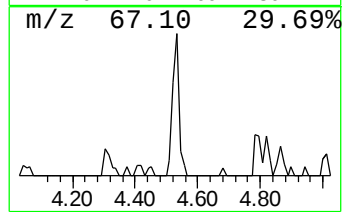
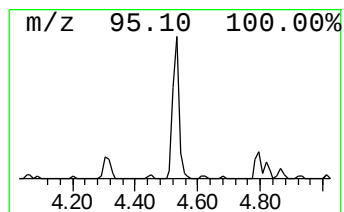
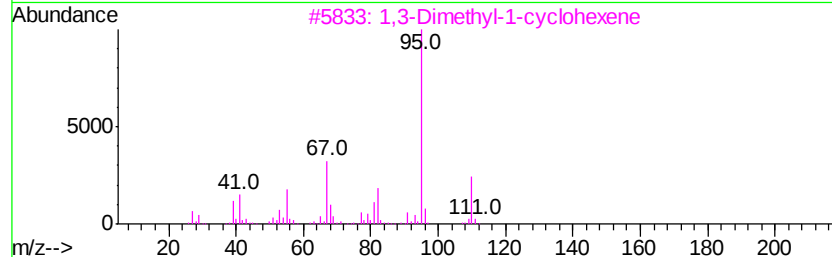
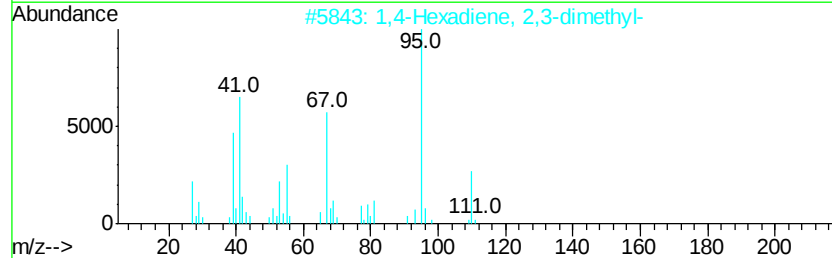
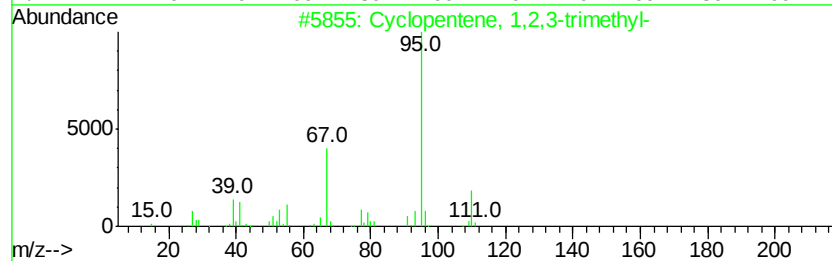
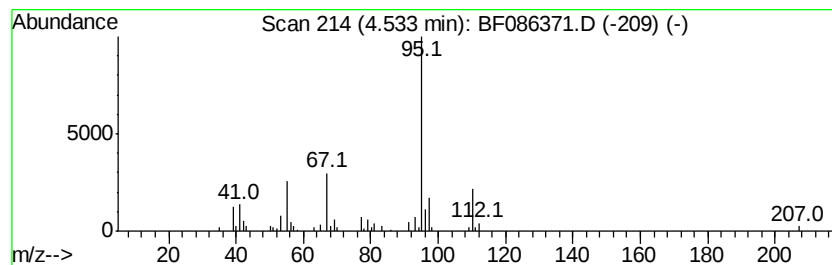
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	2.26 ng	97405	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	83
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	83
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	80
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	80



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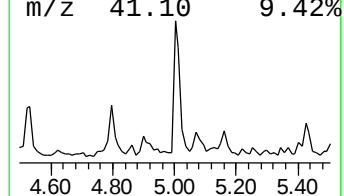
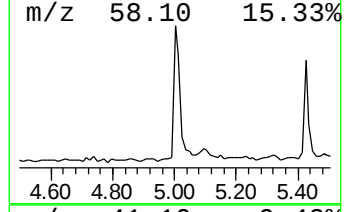
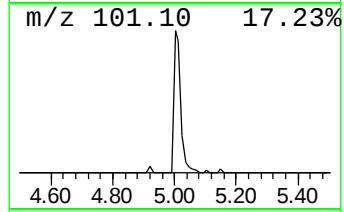
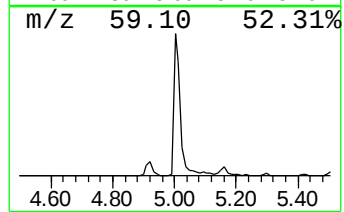
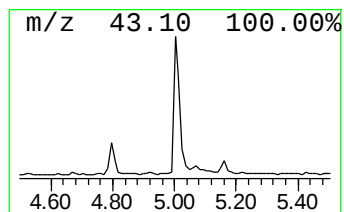
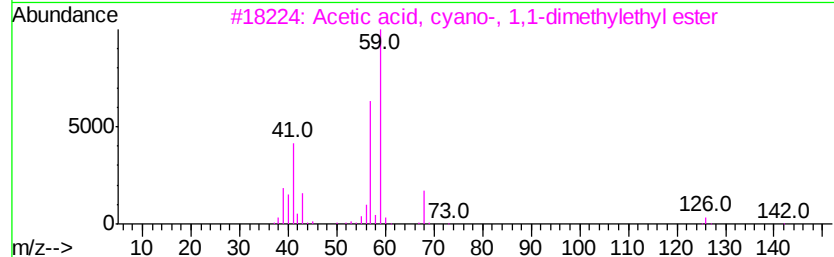
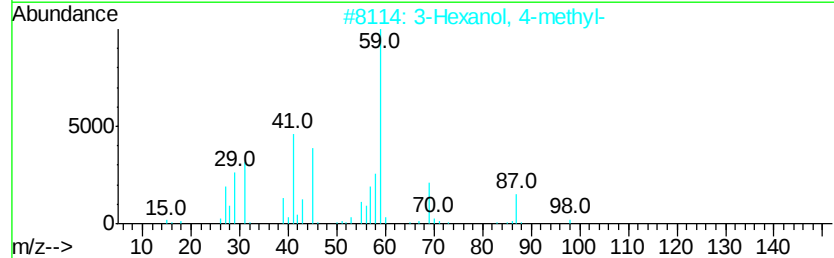
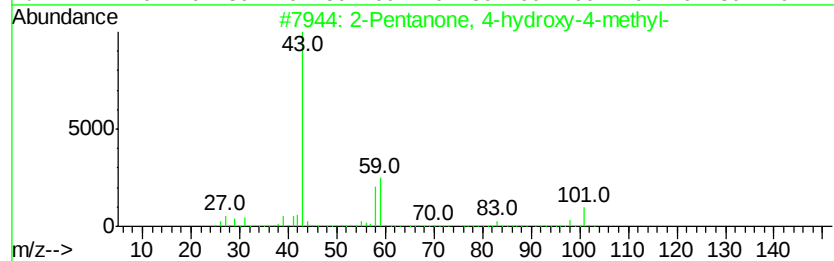
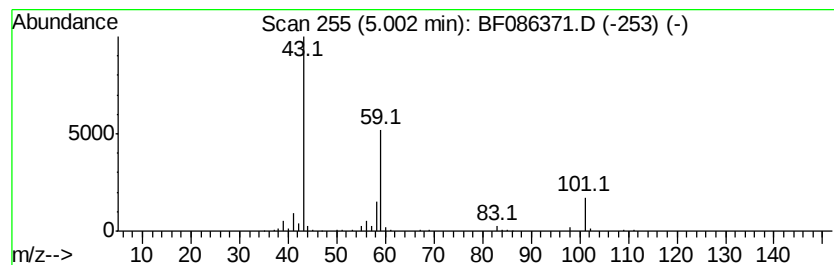
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	6.14 ng	264822	1,4-Dichlorobenzene-d4	6.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10



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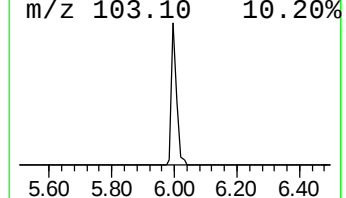
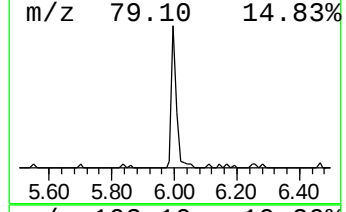
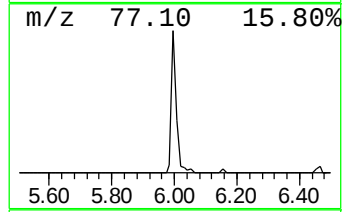
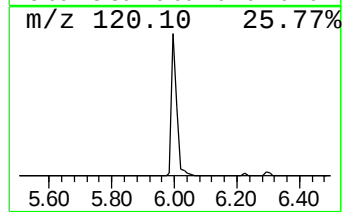
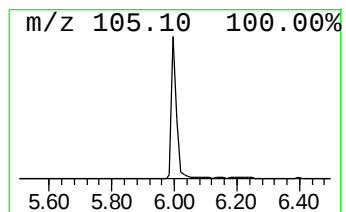
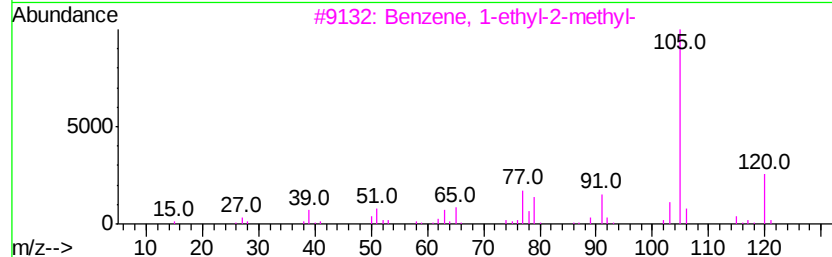
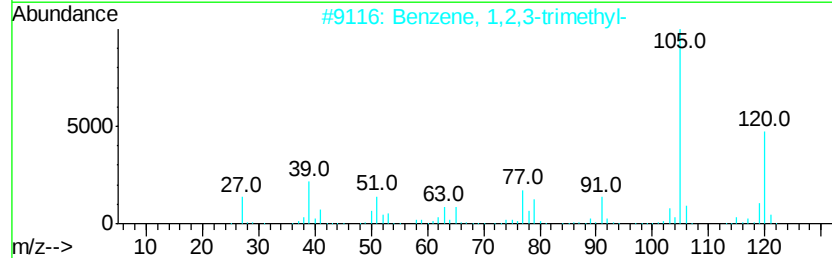
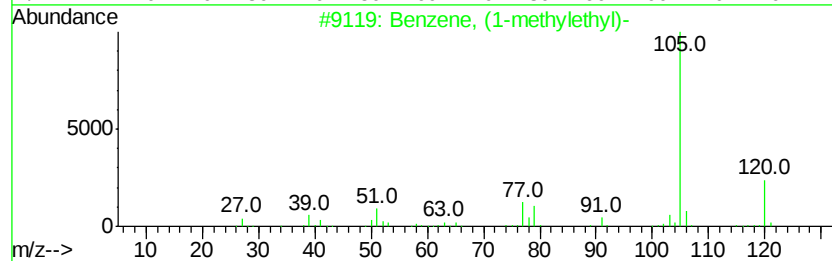
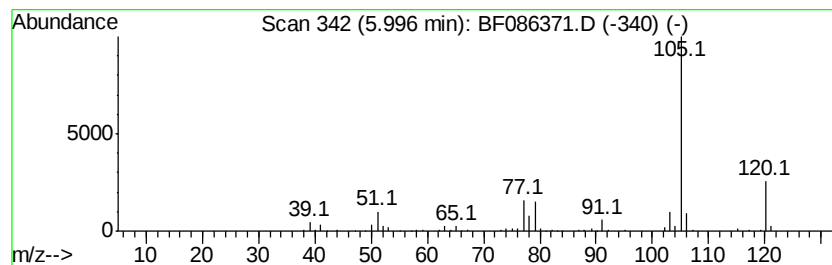
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	5.47 ng	235612	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
Data File : BF086371.D
Acq On : 23 Apr 2016 5:20
Operator : UM/SJ
Sample : H2634-03
Misc :
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ClientSampleId :
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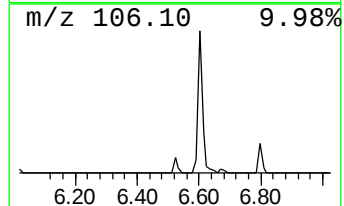
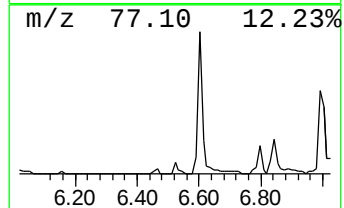
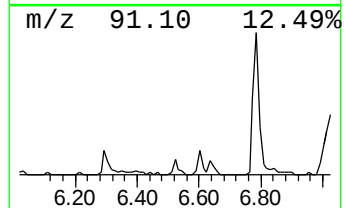
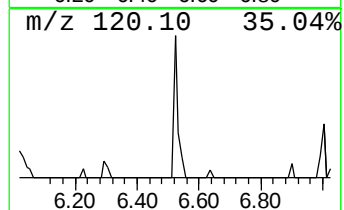
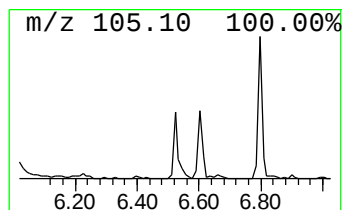
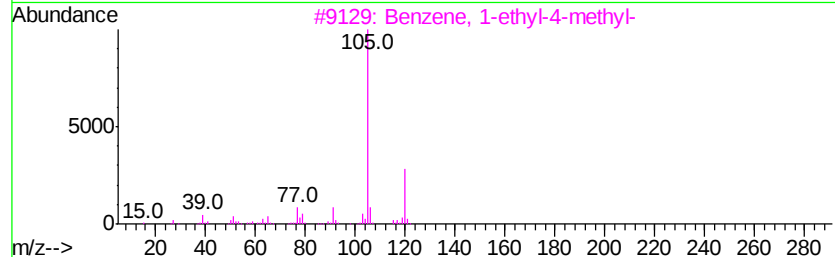
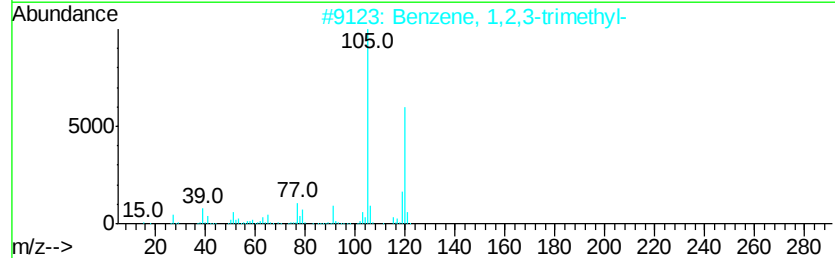
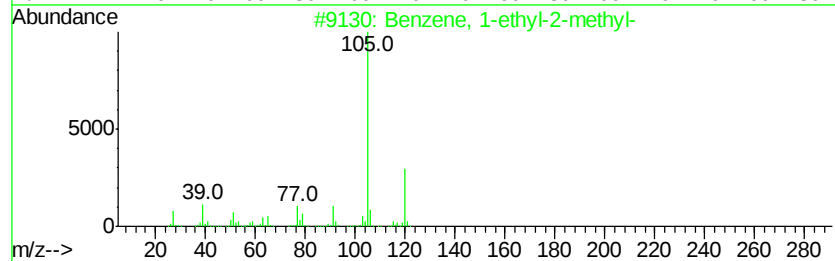
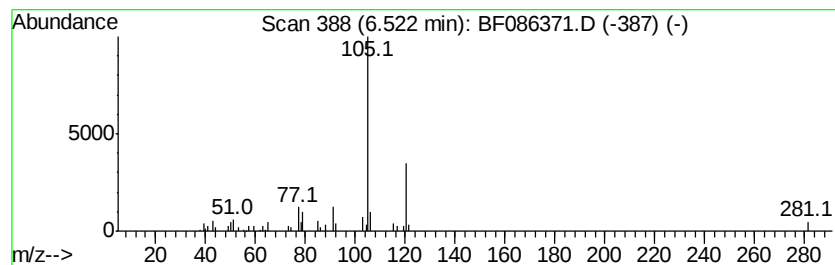
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	2.01 ng	86446	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
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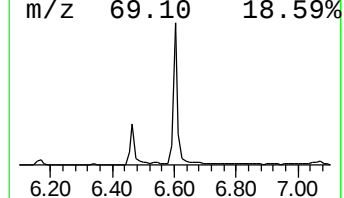
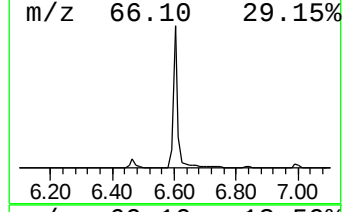
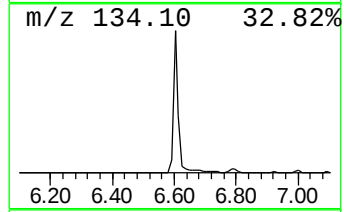
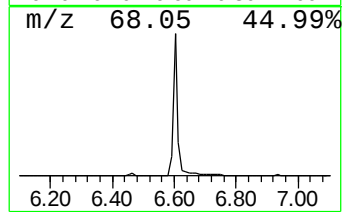
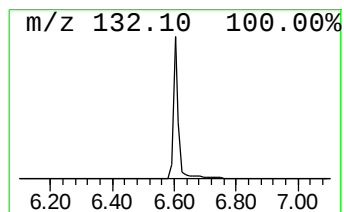
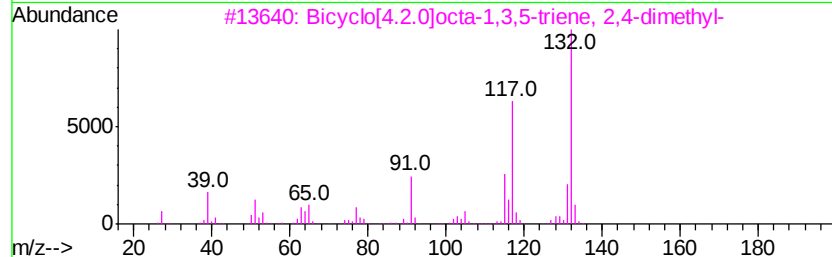
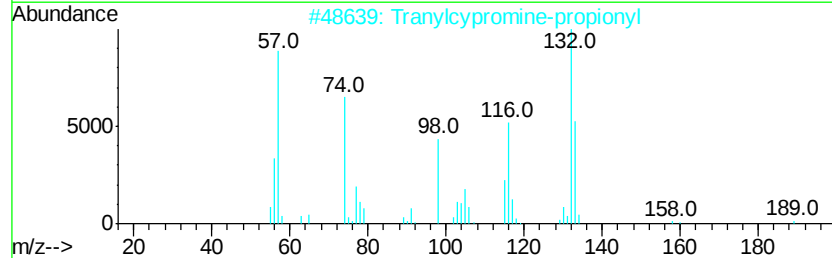
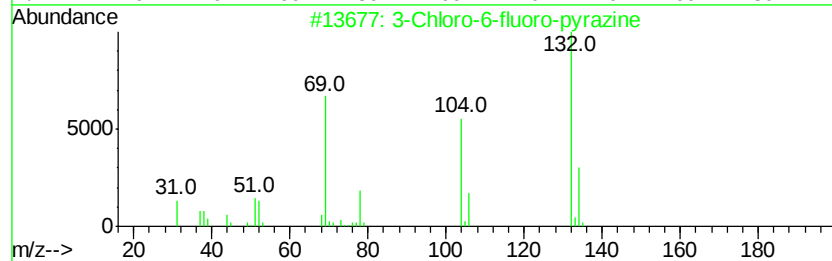
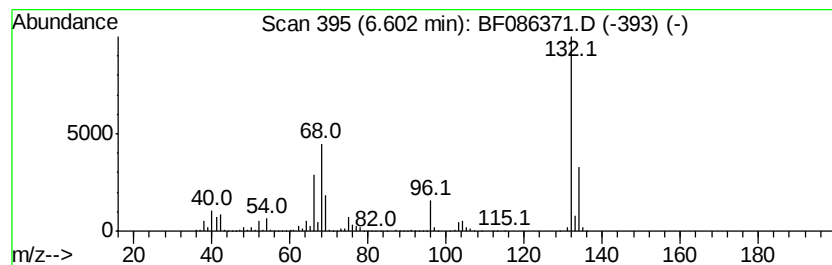
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	72.61 ng	3130040	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
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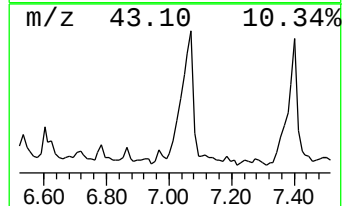
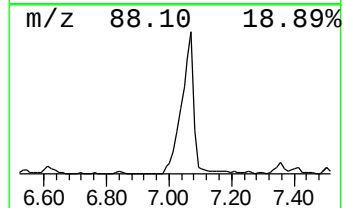
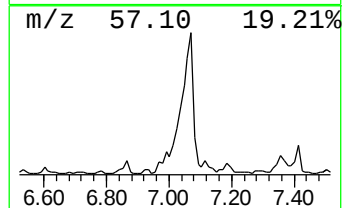
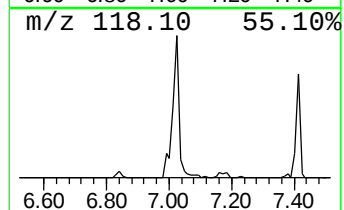
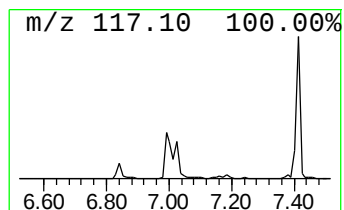
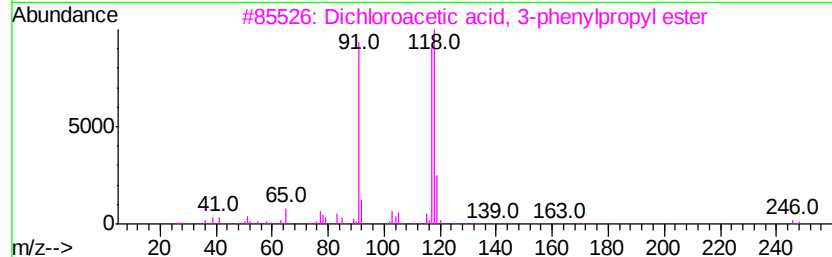
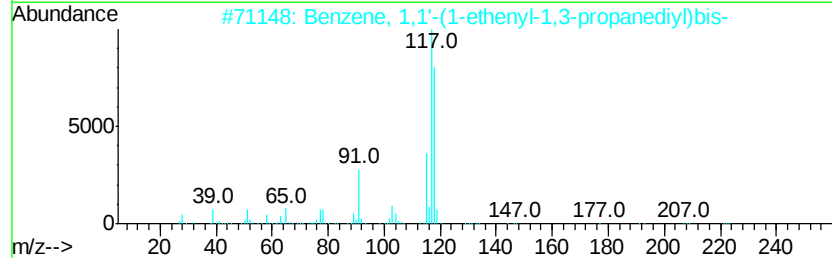
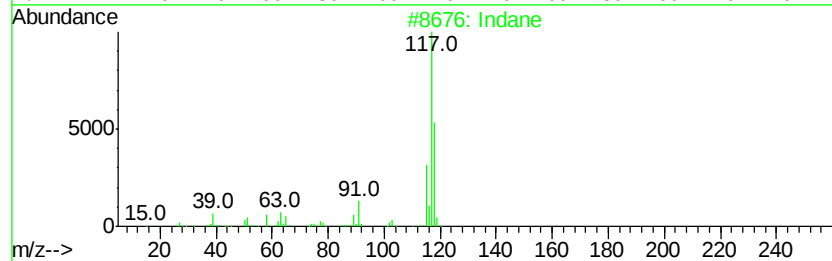
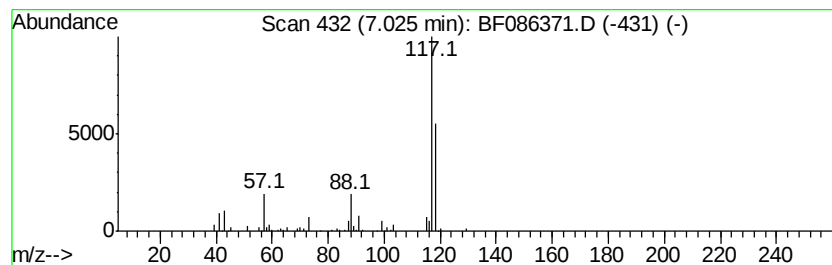
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown7.02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	7.52 ng	324197	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	45
2		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	38
3		Dichloroacetic acid, 3-phenylpro...	246	C11H12Cl2O2	087228-47-5	23
4		Thiourea, trimethyl-	118	C4H10N2S	002489-77-2	10
5		.alpha.-Methylstyrene	118	C9H10	000098-83-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
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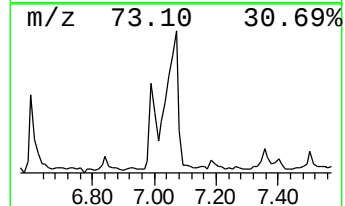
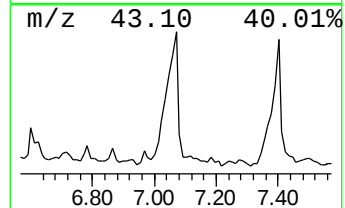
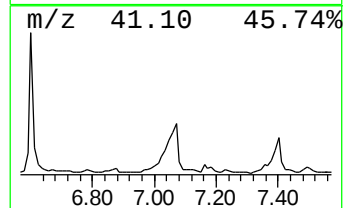
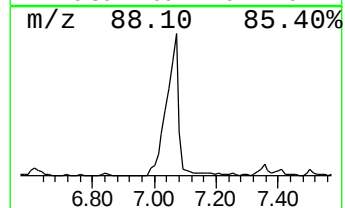
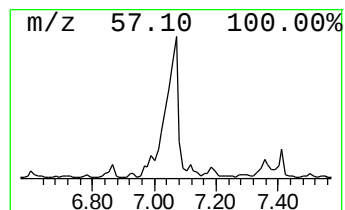
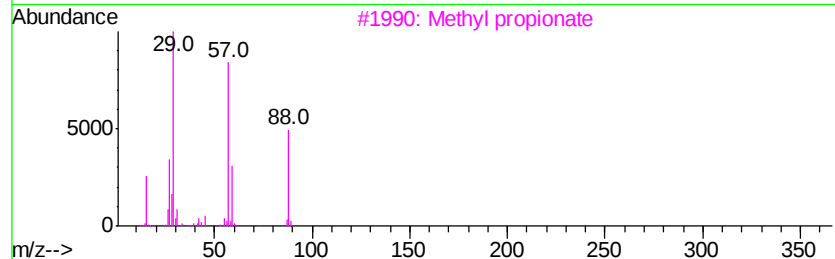
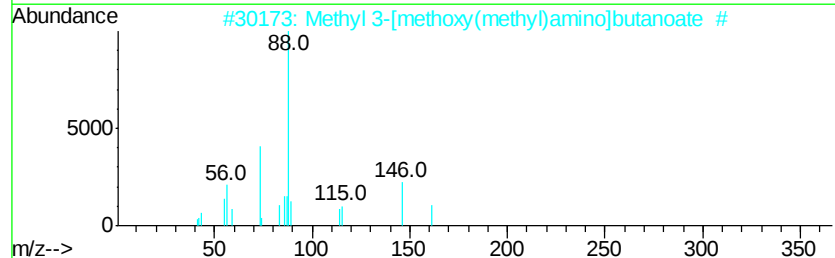
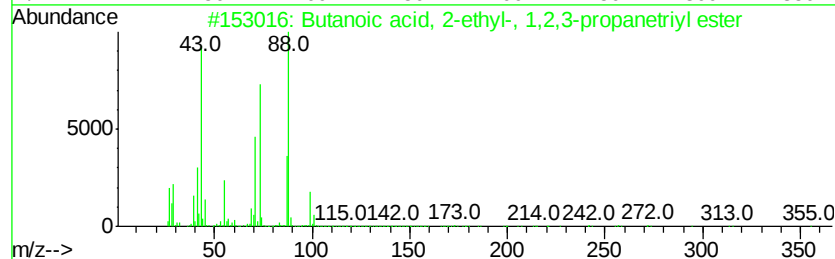
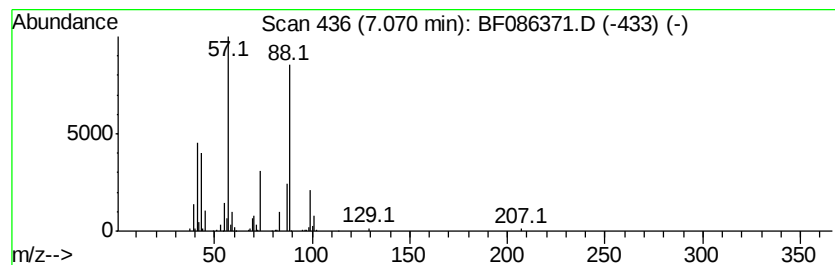
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown7.07 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	12.75 ng	549569	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
2		Methyl 3-[methoxy(methyl)amino]b...	161	C7H15NO3	1000144-77-7	33
3		Methyl propionate	88	C4H8O2	000554-12-1	25
4		Butanoic acid, 2,2-diethyl-	144	C8H16O2	000813-58-1	17
5		Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
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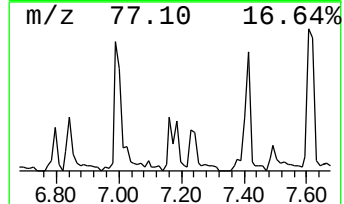
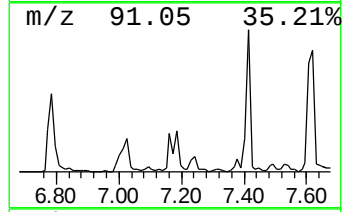
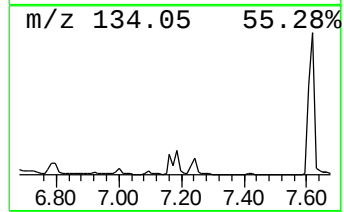
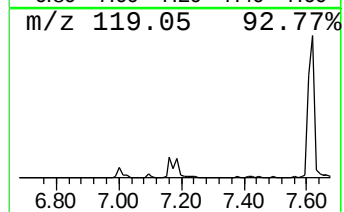
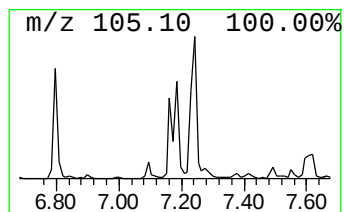
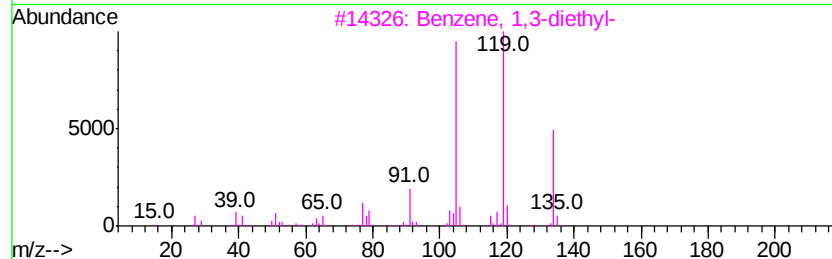
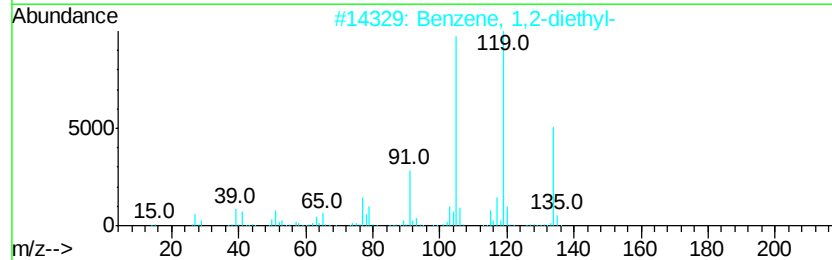
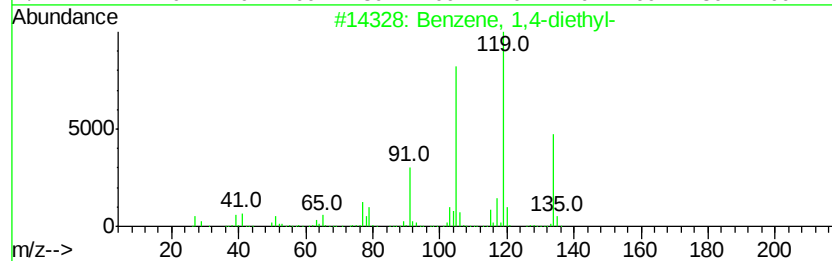
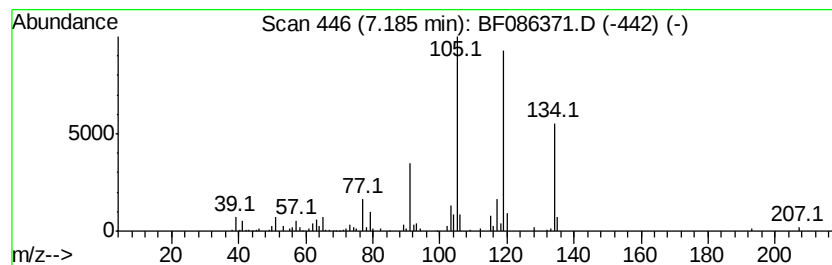
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TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 1,4-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	6.73 ng	289966	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90



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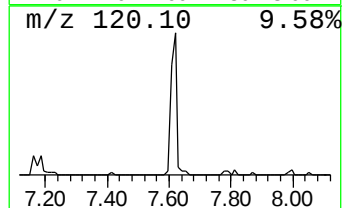
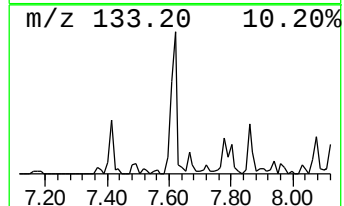
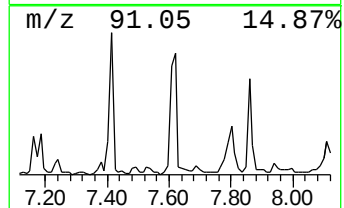
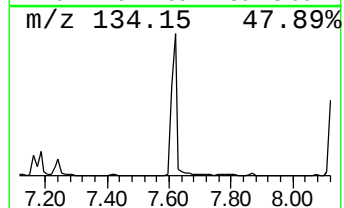
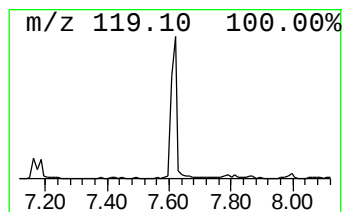
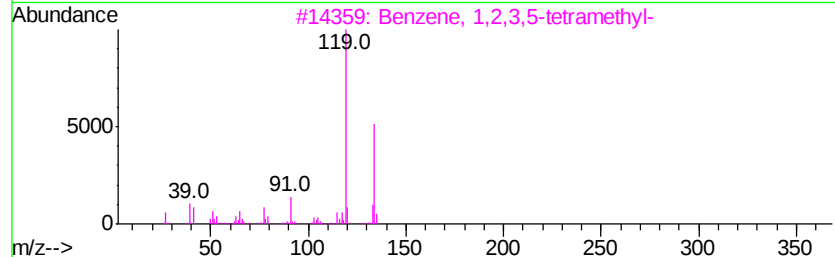
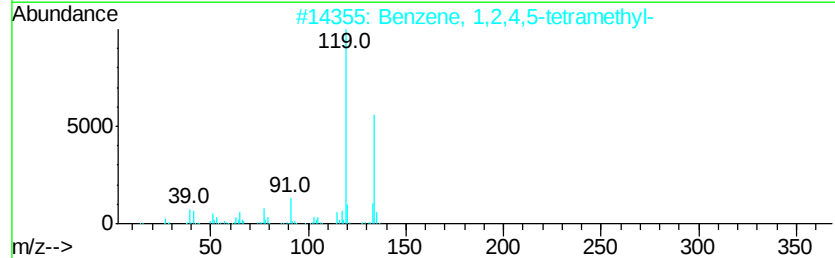
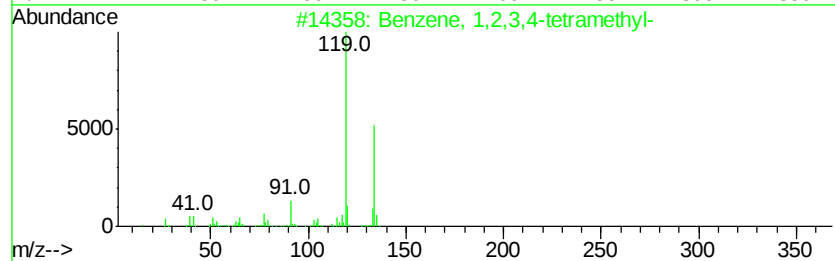
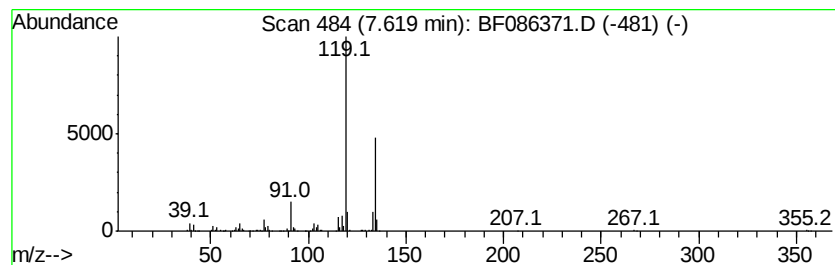
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	8.54 ng	722523	Naphthalene-d8	8.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5			Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93



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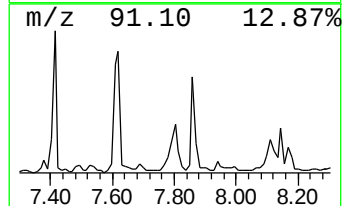
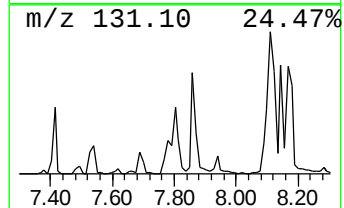
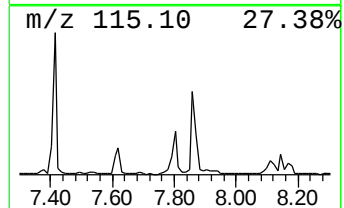
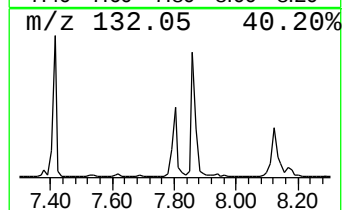
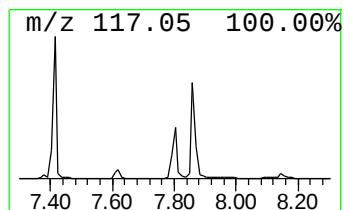
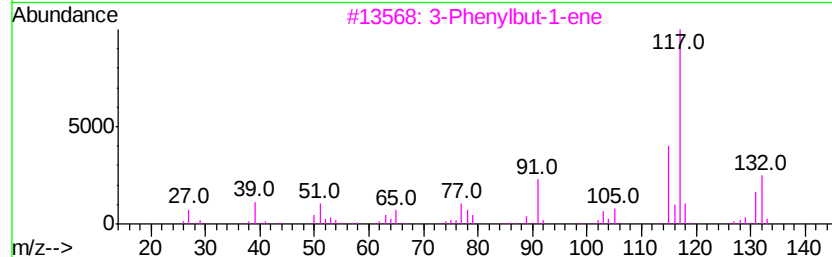
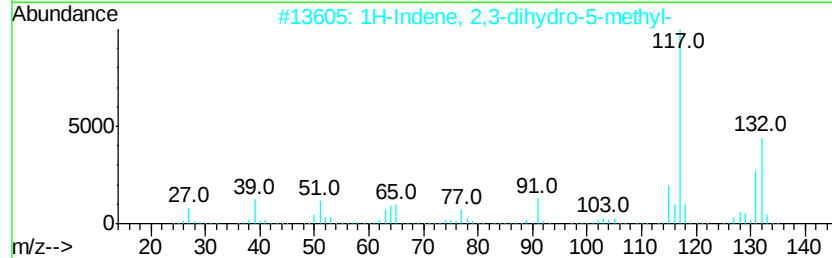
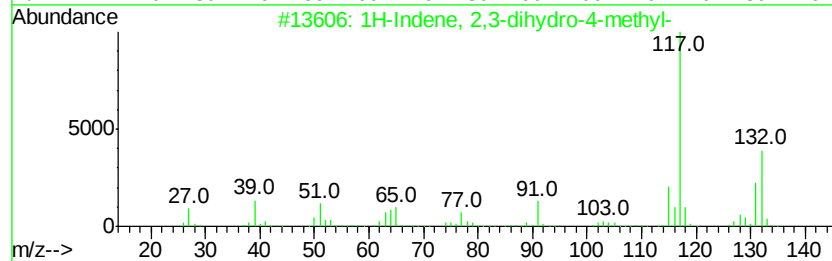
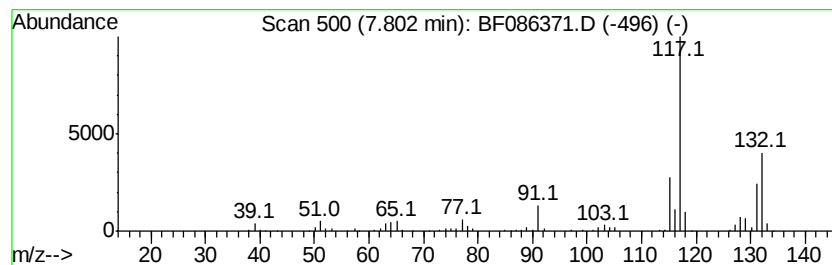
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	4.67 ng	395418	Napthalene-d8	8.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
Data File : BF086371.D
Acq On : 23 Apr 2016 5:20
Operator : UM/SJ
Sample : H2634-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

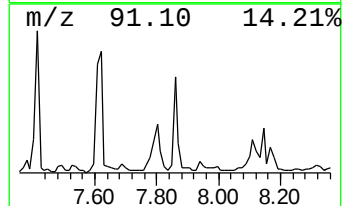
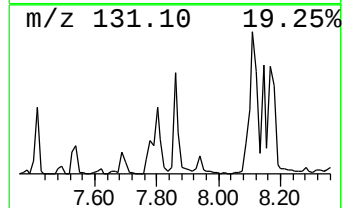
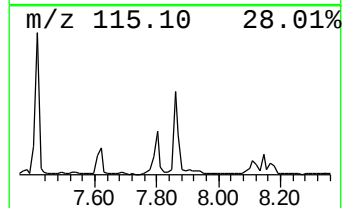
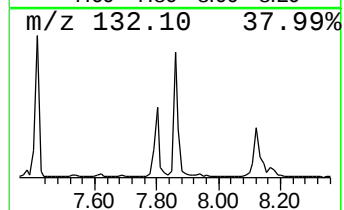
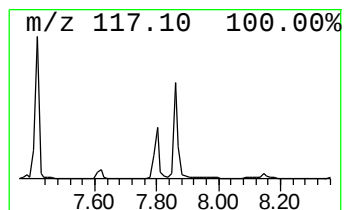
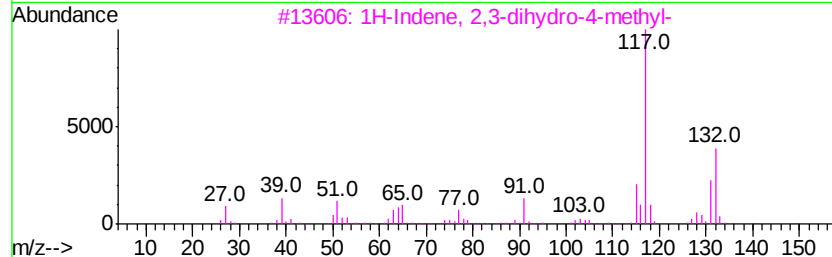
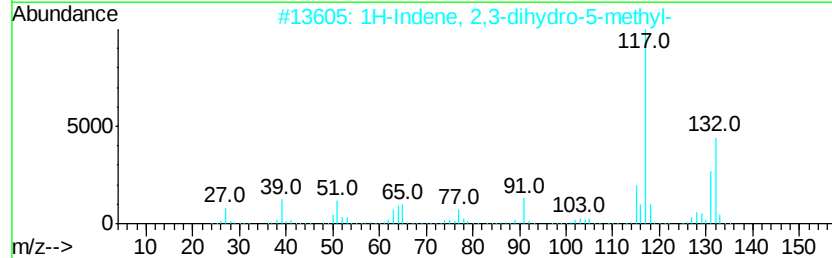
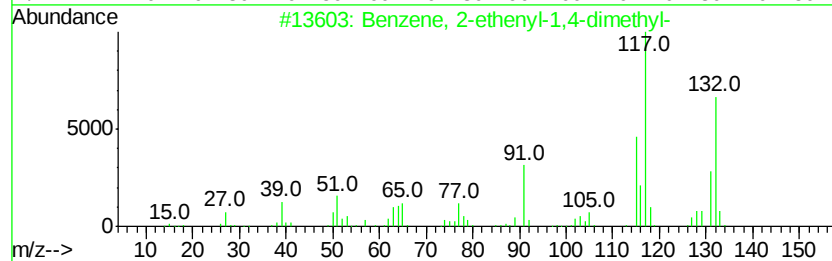
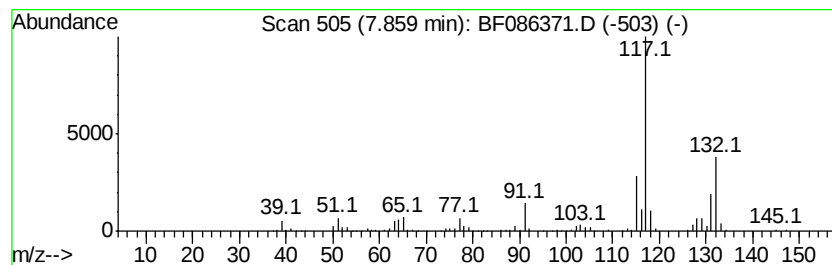
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	6.81 ng	576313	Napthalene-d8	8.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086371.D
 Acq On : 23 Apr 2016 5:20
 Operator : UM/SJ
 Sample : H2634-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.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...	3.36	2.1 ng		90402	1	6.84	862177	20.0
Pentane, 2,3,3-tr...	3.52	3.0 ng		130682	1	6.84	862177	20.0
Cyclopentene, 1,2...	4.53	2.3 ng		97405	1	6.84	862177	20.0
2-Pentanone, 4-hy...	5.00	6.1 ng		264822	1	6.84	862177	20.0
Benzene, (1-methy...	6.00	5.5 ng		235612	1	6.84	862177	20.0
Benzene, 1-ethyl-...	6.52	2.0 ng		86446	1	6.84	862177	20.0
unknown6.60	6.60	72.6 ng		3130040	1	6.84	862177	20.0
unknown7.02	7.02	7.5 ng		324197	1	6.84	862177	20.0
unknown7.07	7.07	12.8 ng		549569	1	6.84	862177	20.0
Benzene, 1,4-diet...	7.18	6.7 ng		289966	1	6.84	862177	20.0
Benzene, 1,2,3,4-...	7.62	8.5 ng		722523	2	8.12	1693030	20.0
1H-Indene, 2,3-di...	7.80	4.7 ng		395418	2	8.12	1693030	20.0
Benzene, 2-etheny...	7.86	6.8 ng		576313	2	8.12	1693030	20.0