

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
 Data File : BF083739.D
 Acq On : 13 Dec 2015 19:52
 Operator : UM/IZ
 Sample : G4648-20
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(14-15)

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-BF121315.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	3.916	155	160	165	rBV2	176027	389522	2.51%	0.202%
2	4.064	169	173	176	rVV	177492	311907	2.01%	0.162%
3	4.213	180	186	188	rBV	353559	598337	3.86%	0.311%
4	4.258	188	190	193	rVB	170225	226856	1.46%	0.118%
5	4.556	212	216	220	rVB2	432444	680749	4.40%	0.354%
6	4.658	220	225	228	rBV	246863	336292	2.17%	0.175%
7	4.818	236	239	241	rBV2	224001	320243	2.07%	0.166%
8	4.864	241	243	246	rBV	319565	491608	3.17%	0.255%
9	4.979	248	253	255	rBV	1010508	1614417	10.42%	0.839%
10	5.070	255	261	265	rBV3	1948417	4505677	29.09%	2.341%
11	5.139	265	267	269	rVB	1501856	2156062	13.92%	1.120%
12	5.184	269	271	275	rVB3	392965	932142	6.02%	0.484%
13	5.264	275	278	282	rVB2	303728	488482	3.15%	0.254%
14	5.344	282	285	291	rBV3	2937551	8002510	51.67%	4.158%
15	5.436	291	293	297	rVB	1651729	3124098	20.17%	1.623%
16	5.527	297	301	306	rBV2	3963145	10123717	65.36%	5.261%
17	5.630	307	310	312	rBV3	1076721	1964285	12.68%	1.021%
18	5.710	314	317	319	rBV	1804308	4034707	26.05%	2.097%
19	5.756	319	321	323	rBV	1671062	3055679	19.73%	1.588%
20	5.801	323	325	329	rVB2	2674294	6789198	43.83%	3.528%
21	5.859	329	330	335	rVB	629659	1550187	10.01%	0.806%
22	5.961	335	339	343	rBV3	4153127	15488765	100.00%	8.049%
23	6.110	349	352	358	rBV3	1921365	7002883	45.21%	3.639%
24	6.247	358	364	368	rBV6	2746188	14888152	96.12%	7.736%
25	6.441	375	381	383	rBV4	2435283	10234556	66.08%	5.318%
26	6.670	397	401	403	rVB2	1334270	3685621	23.80%	1.915%
27	7.242	448	451	452	rBV3	1952069	3800909	24.54%	1.975%
28	7.390	461	464	468	rBV4	2306747	5867169	37.88%	3.049%
29	7.527	473	476	477	rBV2	2450701	4531705	29.26%	2.355%
30	7.562	477	479	482	rVB3	2137272	3373585	21.78%	1.753%
31	7.630	482	485	487	rBV4	2500859	5353041	34.56%	2.782%
32	7.687	487	490	491	rVB3	2267216	4209280	27.18%	2.187%
33	7.744	491	495	497	rBV4	1964477	6013269	38.82%	3.125%
34	7.870	502	506	507	rBV3	3161607	6902647	44.57%	3.587%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
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35	7.985	512	516	519	rBV3	3382552	8968348	57.90%	4.660%
36	8.053	519	522	525	rVB3	2617976	5154406	33.28%	2.678%
37	8.099	525	526	528	rVB	2086504	2048116	13.22%	1.064%
38	8.179	530	533	535	rBV3	2021232	3430999	22.15%	1.783%
39	8.213	535	536	537	rVV	2290258	2449532	15.81%	1.273%
40	8.247	537	539	540	rVV	1838318	2606281	16.83%	1.354%
41	8.282	540	542	543	rVV2	2292042	2742198	17.70%	1.425%
42	8.305	543	544	546	rVB2	907778	1038230	6.70%	0.540%
43	8.373	549	550	554	rBV4	674664	1026804	6.63%	0.534%
44	8.510	559	562	565	rVB4	1399761	1827642	11.80%	0.950%
45	8.556	565	566	568	rVB2	565732	627469	4.05%	0.326%
46	8.590	568	569	571	rVB2	516925	541348	3.50%	0.281%
47	8.636	571	573	576	rBV2	931241	1014217	6.55%	0.527%
48	8.716	579	580	581	rVB	251369	172439	1.11%	0.090%
49	8.807	586	588	590	rBV2	105432	209405	1.35%	0.109%
50	8.899	594	596	600	rVB3	303789	416527	2.69%	0.216%
51	9.013	604	606	608	rVB	611773	554686	3.58%	0.288%
52	9.116	613	615	617	rVB3	108359	173609	1.12%	0.090%
53	9.230	624	625	627	rVB	276954	245850	1.59%	0.128%
54	9.276	627	629	631	rVB	3052487	2713854	17.52%	1.410%
55	9.367	634	637	639	rBV2	91304	159139	1.03%	0.083%
56	9.539	649	652	655	rVB	107462	172109	1.11%	0.089%
57	9.608	655	658	660	rBV2	144126	273500	1.77%	0.142%
58	9.665	662	663	666	rBV2	454423	576155	3.72%	0.299%
59	9.950	686	688	690	rVB	1150930	1071085	6.92%	0.557%
60	10.613	743	746	749	rBV	378623	470577	3.04%	0.245%
61	10.739	754	757	759	rVB	1374668	1636814	10.57%	0.851%
62	10.876	766	769	773	rBV	466045	653258	4.22%	0.339%
63	11.059	782	785	787	rBV2	91689	160127	1.03%	0.083%
64	11.345	808	810	813	rVB	384118	400542	2.59%	0.208%
65	11.436	816	818	819	rVV	822753	1013412	6.54%	0.527%
66	12.431	902	905	907	rBV	121853	212347	1.37%	0.110%
67	13.014	954	956	959	rBV	2394173	2402231	15.51%	1.248%
68	13.905	1032	1034	1038	rVB	167750	242954	1.57%	0.126%
69	14.054	1045	1047	1050	rVB2	957812	1121779	7.24%	0.583%
70	15.494	1170	1173	1176	rBV	599328	705214	4.55%	0.366%
71	16.374	1246	1250	1251	rBV	79705	159732	1.03%	0.083%

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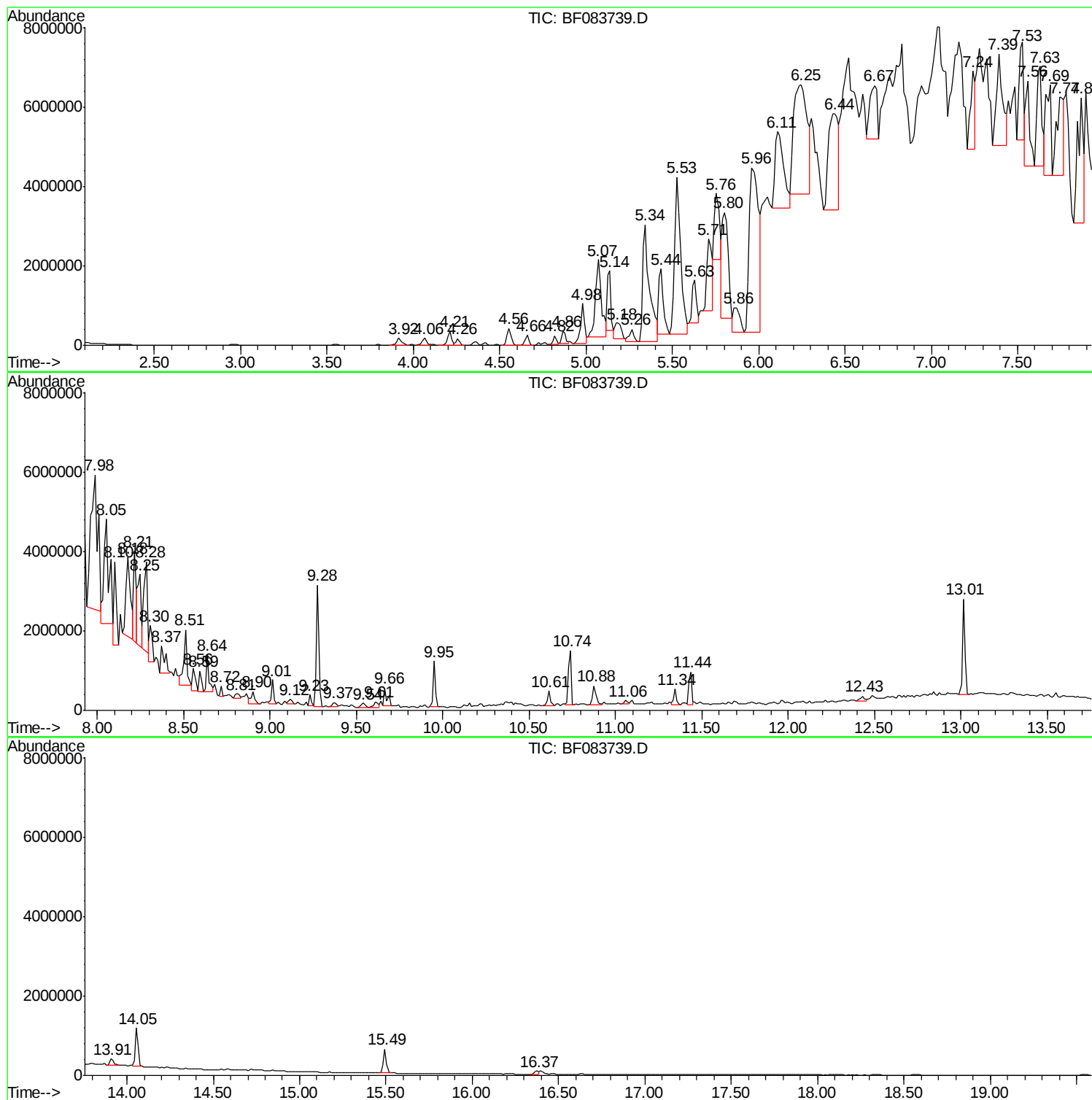
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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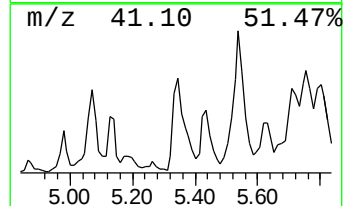
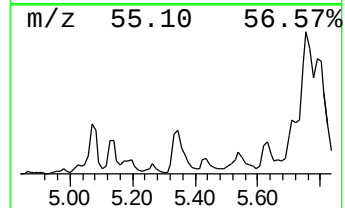
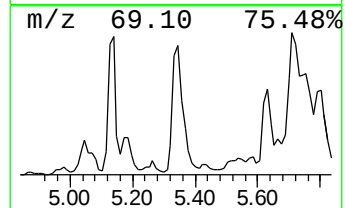
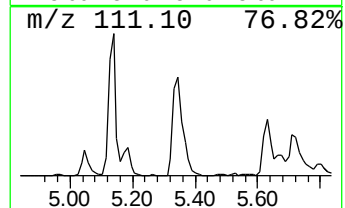
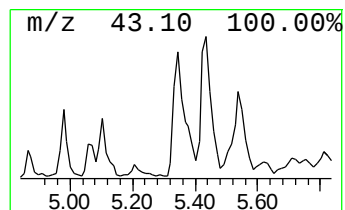
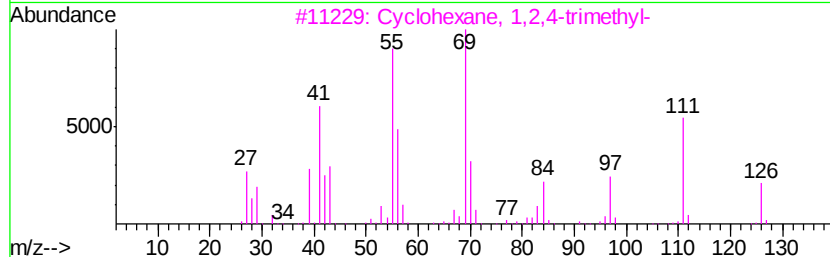
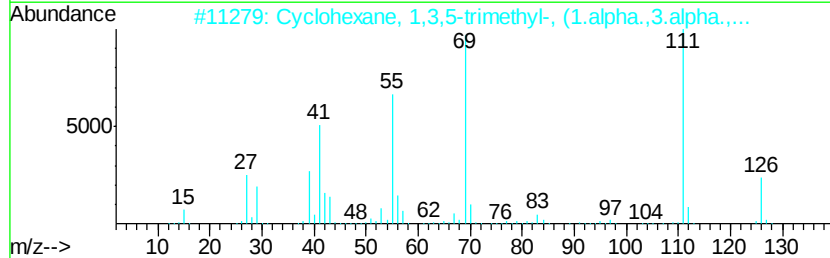
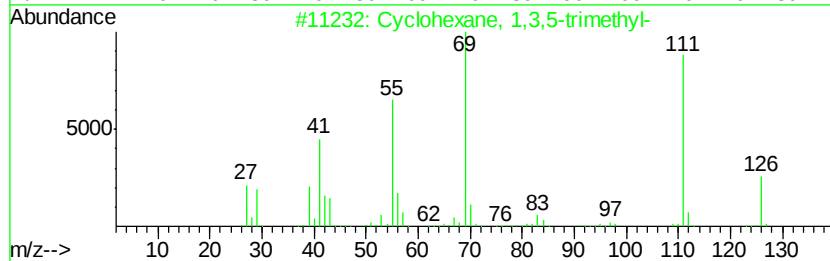
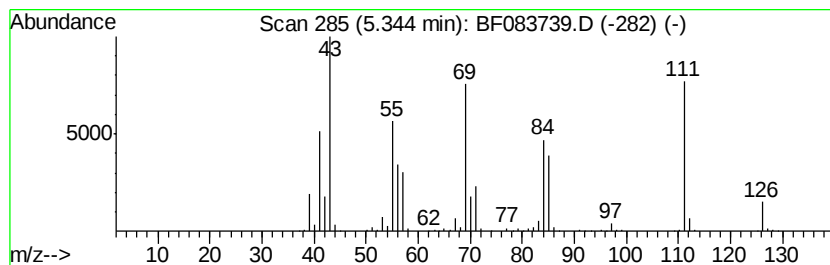
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown5.34 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.34	42.11 ng	8002510	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	49
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	49
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	45
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	43
5		2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	43



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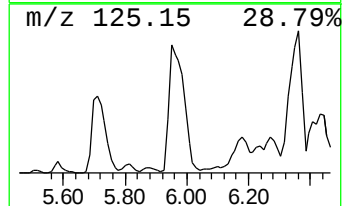
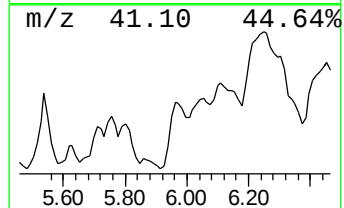
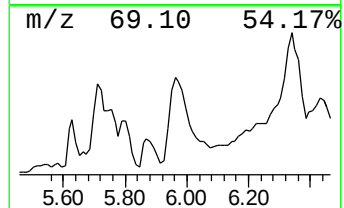
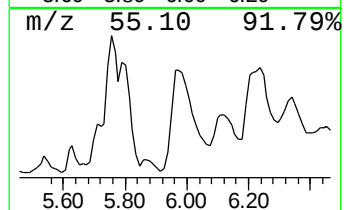
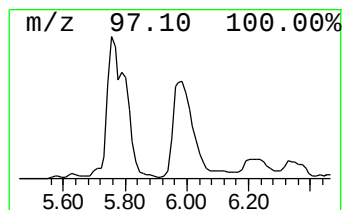
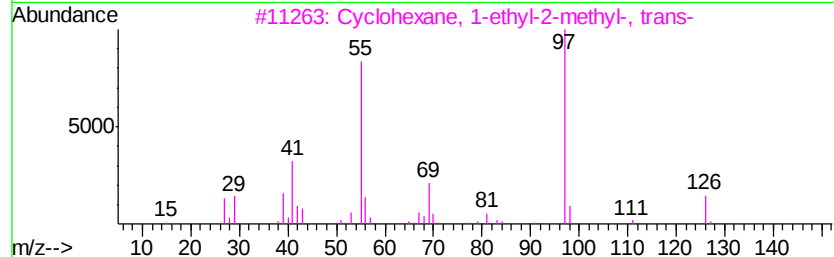
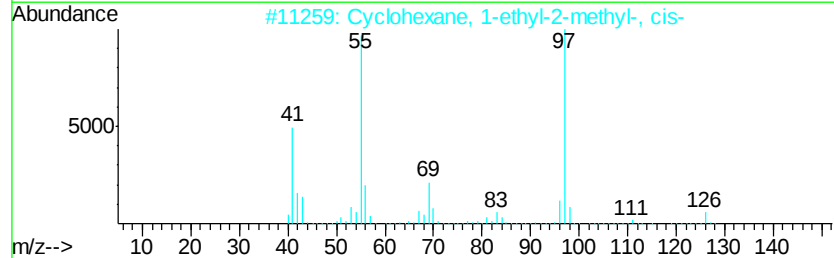
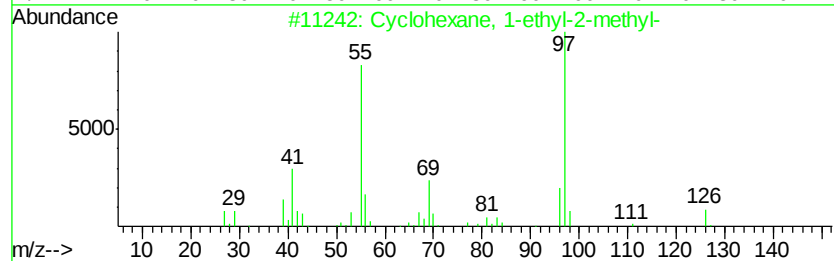
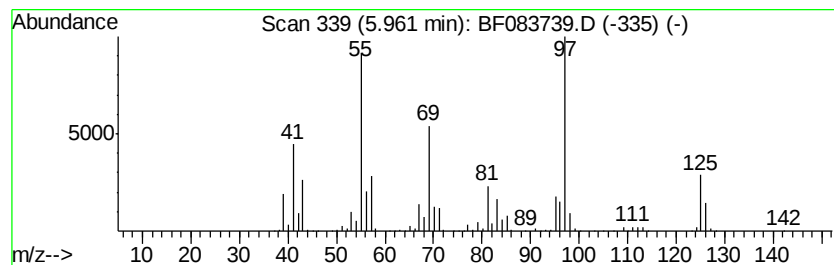
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	81.50 ng	15488800	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52



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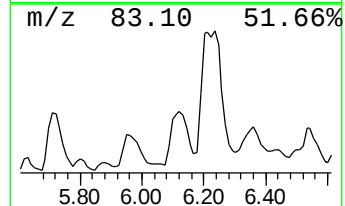
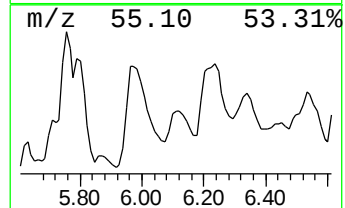
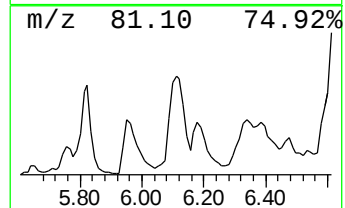
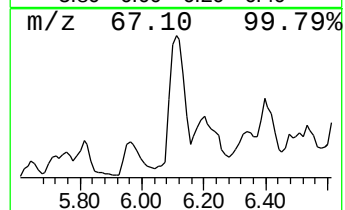
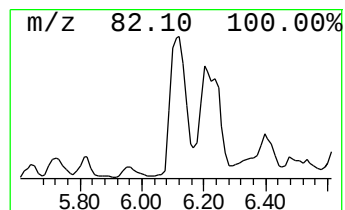
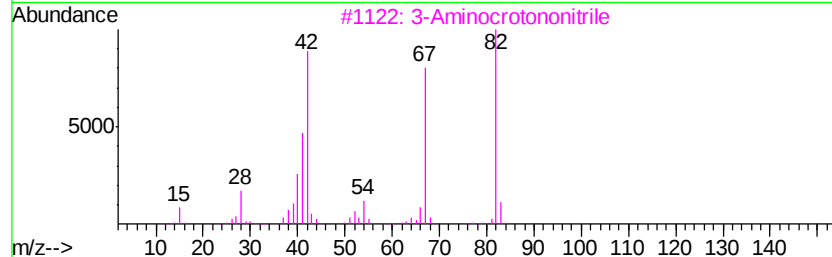
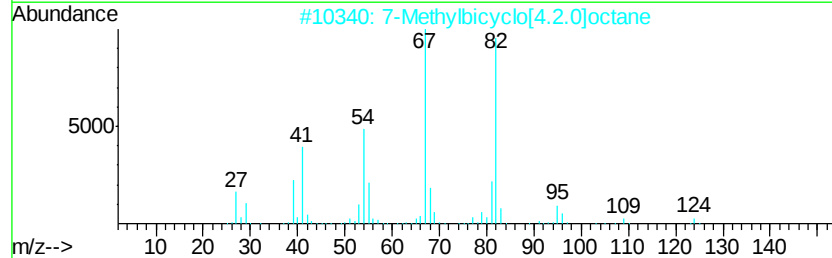
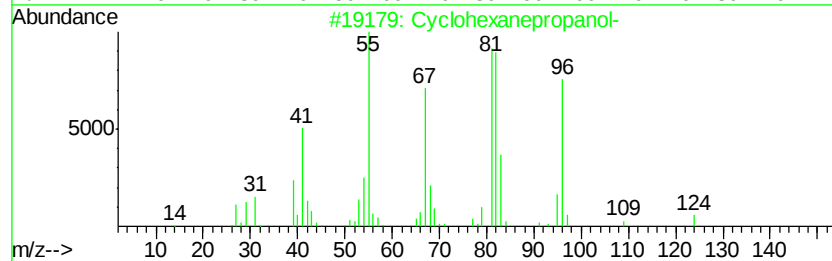
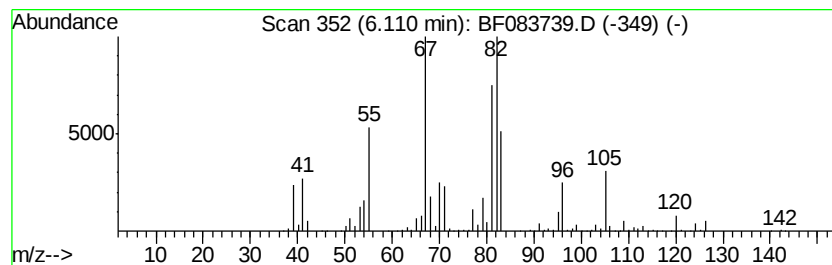
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexanepropanol- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	36.85 ng	7002880	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanepropanol-	142	C9H18O	001124-63-6	50
2		7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	43
3		3-Aminocrotononitrile	82	C4H6N2	001118-61-2	35
4		2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	35
5		2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	35



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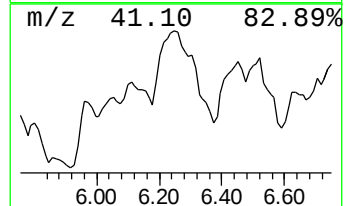
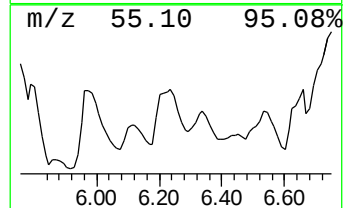
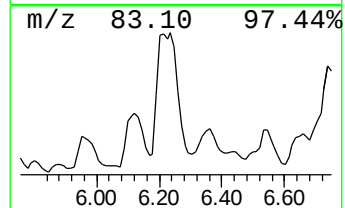
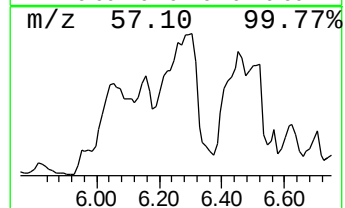
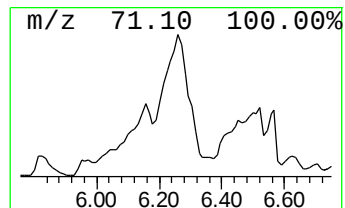
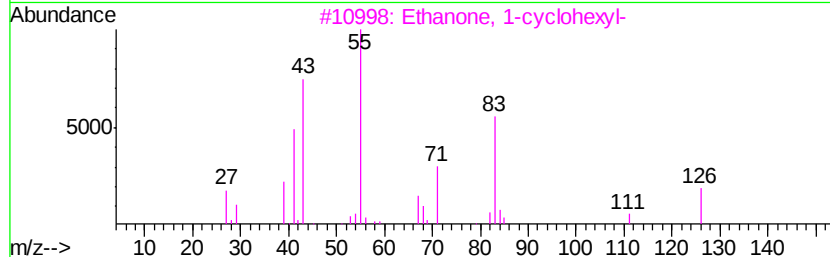
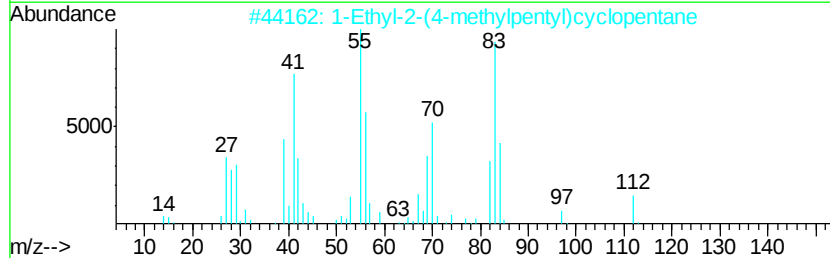
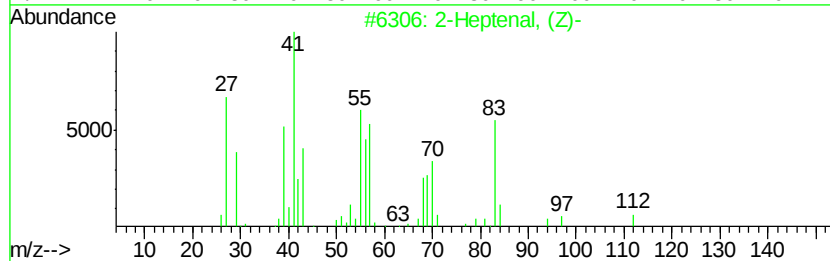
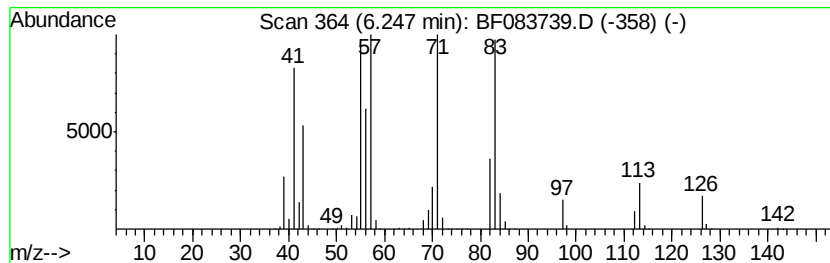
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.25 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	78.34 ng	14888200	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	43
2		1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	38
3		Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	38
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	35
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
Data File : BF083739.D
Acq On : 13 Dec 2015 19:52
Operator : UM/IZ
Sample : G4648-20
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-08(14-15)

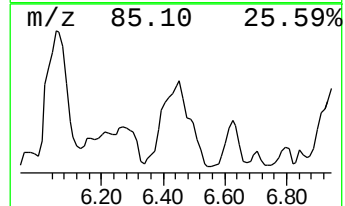
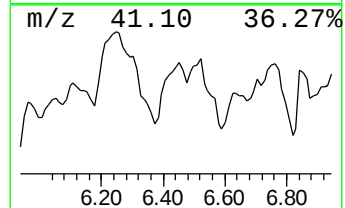
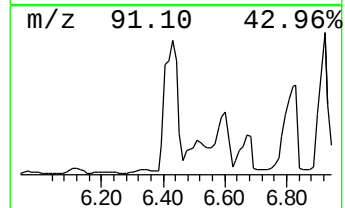
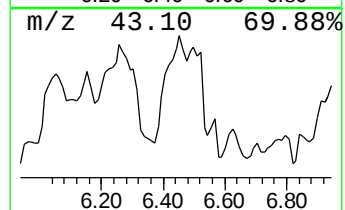
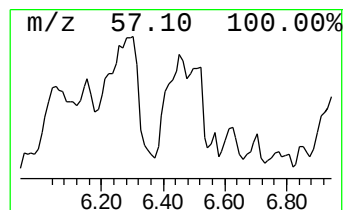
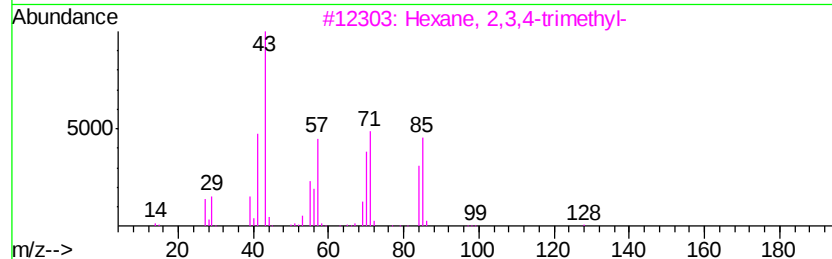
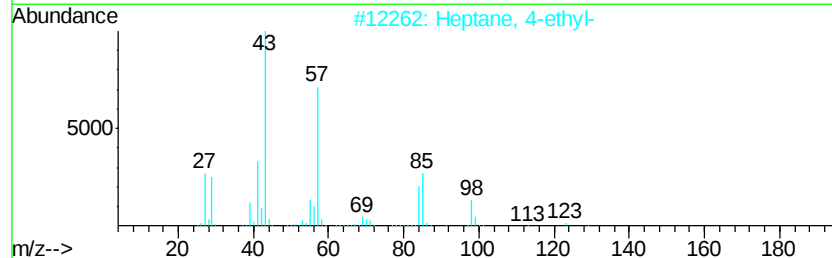
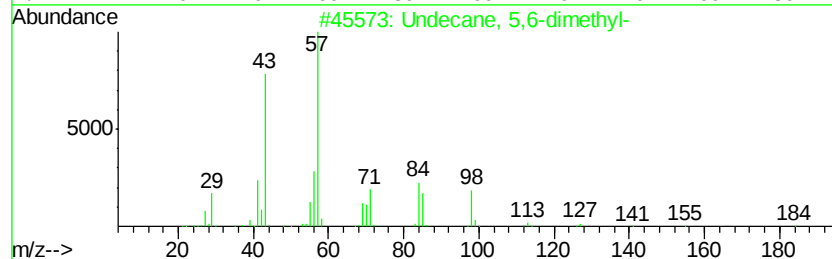
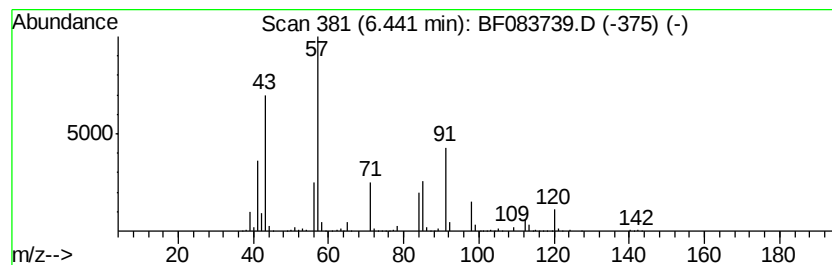
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Undecane, 5,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	53.85 ng	10234600	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
4		Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	38
5		2,2-Dimethylpropionic acid, 4-me...	186	C11H22O2	150588-62-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
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Operator : UM/IZ
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Misc :
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ClientSampleId :
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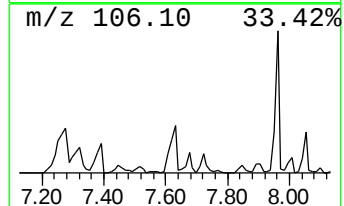
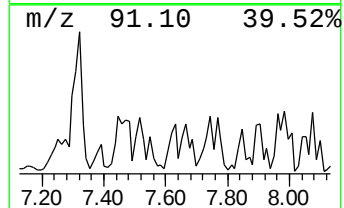
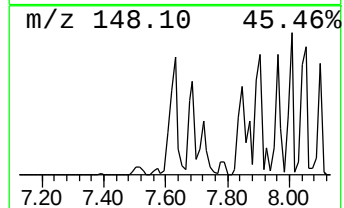
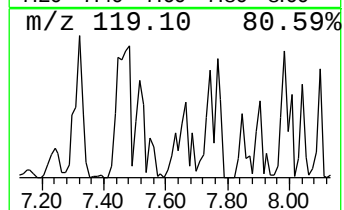
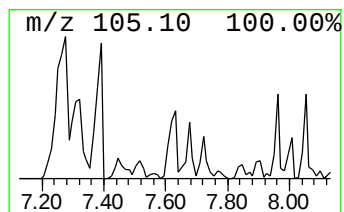
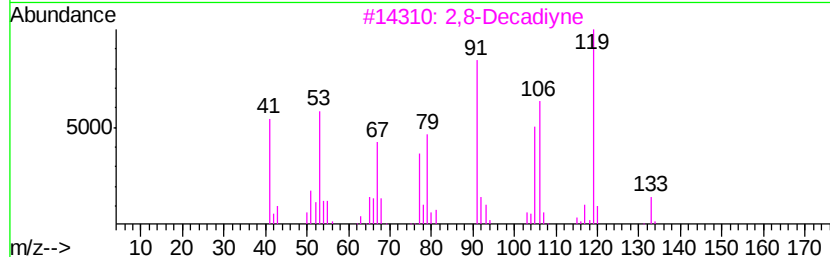
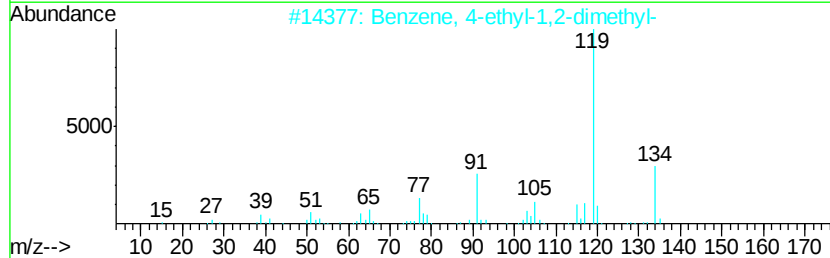
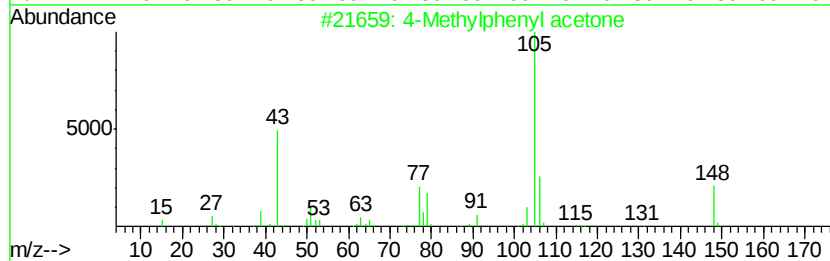
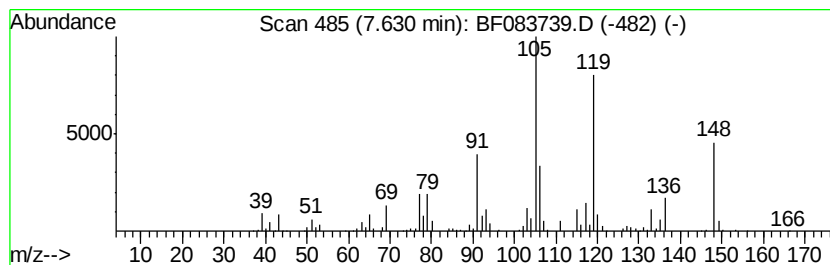
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.63 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	43.71 ng	5353040	Naphthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methylphenyl acetone	148	C10H12O	002096-86-8	45
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	45
3		2,8-Decadiyne	134	C10H14	004116-93-2	43
4		Benzeneethanol, 2-methyl-	136	C9H12O	019819-98-8	42
5		2-Methylindan-2-ol	148	C10H12O	033223-84-6	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
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ClientSampleId :
SB-08(14-15)

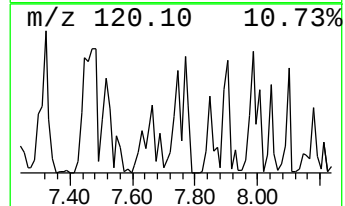
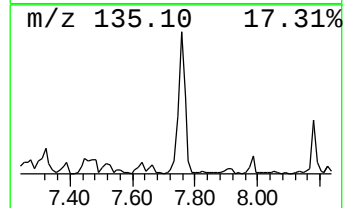
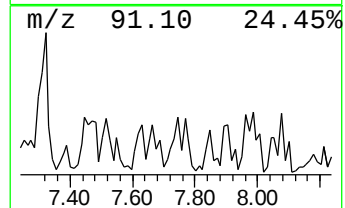
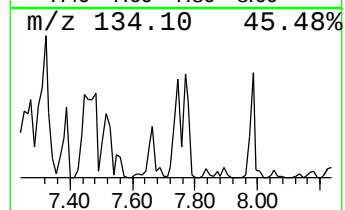
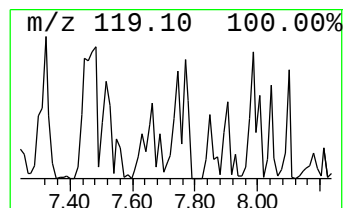
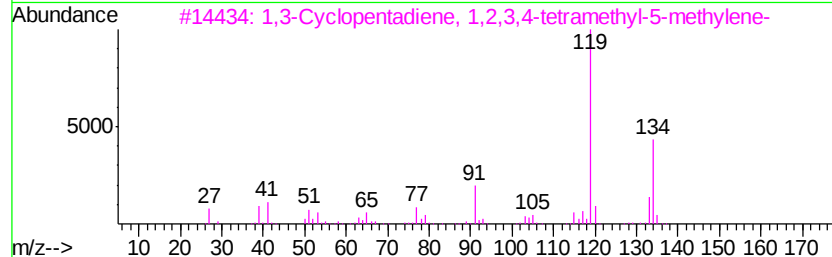
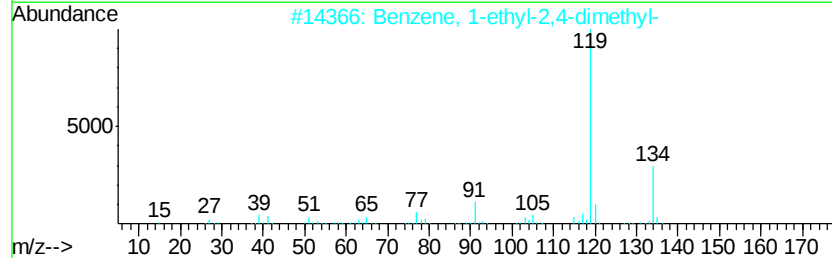
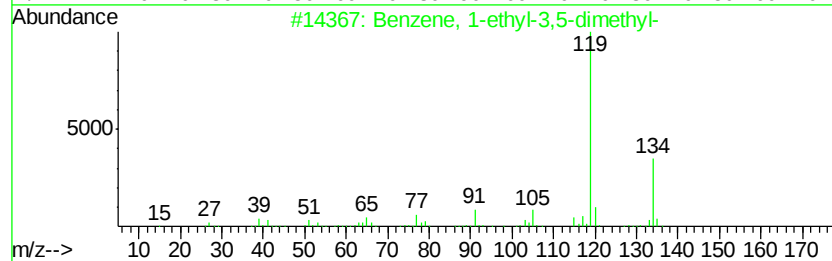
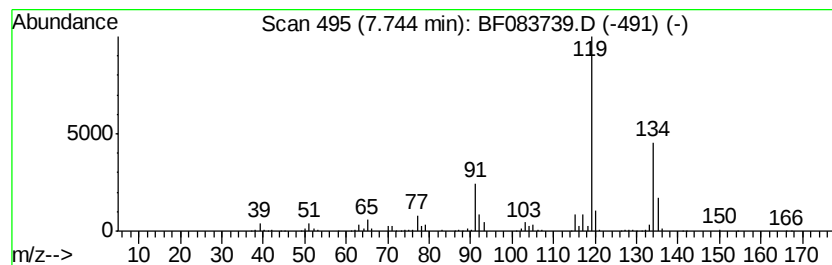
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	49.10 ng	6013270	Napthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
4		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



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Operator : UM/IZ
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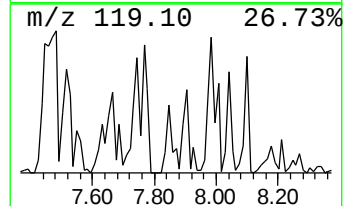
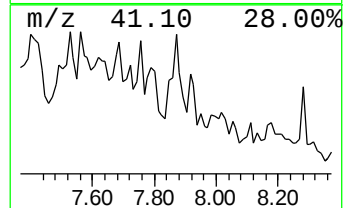
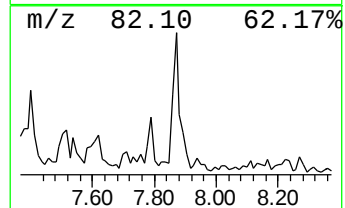
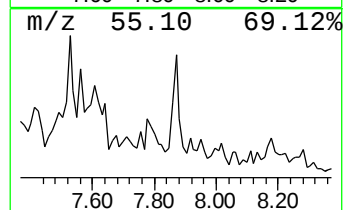
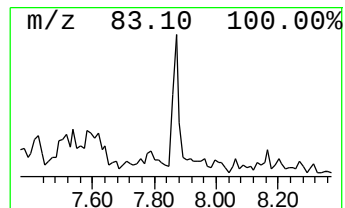
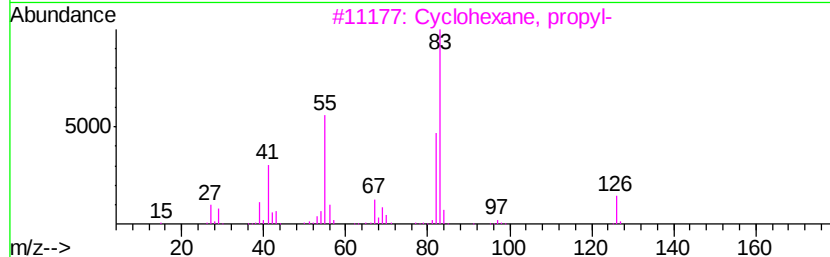
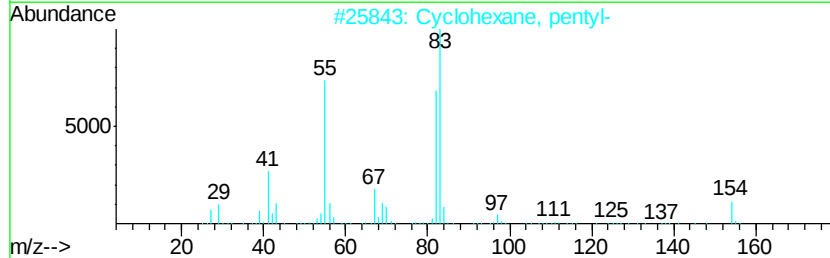
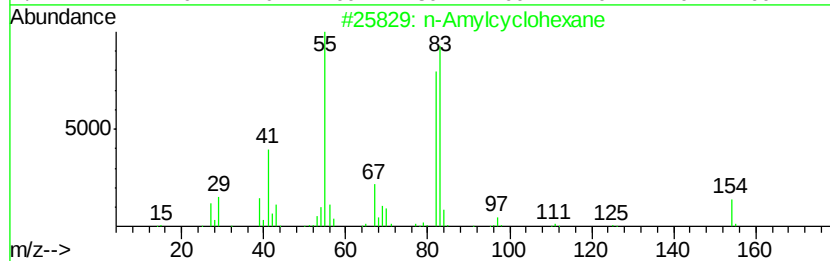
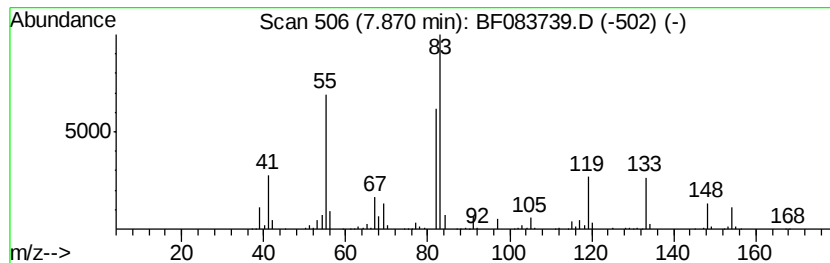
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Amylcyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	56.36 ng	6902650	Napthalene-d8	8.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Amylcvclohexane		154	C11H22	029949-27-7	70
2	Cvclohexane, pentyl-		154	C11H22	004292-92-6	70
3	Cvclohexane, propyl-		126	C9H18	001678-92-8	50
4	Cvclohexane, butyl-		140	C10H20	001678-93-9	50
5	Cyclohexane, octyl-		196	C14H28	001795-15-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083739.D
Acq On : 13 Dec 2015 19:52
Operator : UM/IZ
Sample : G4648-20
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-08(14-15)

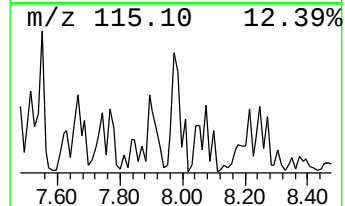
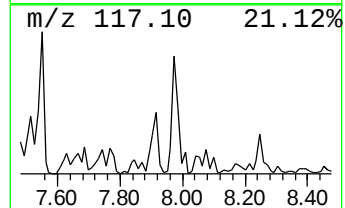
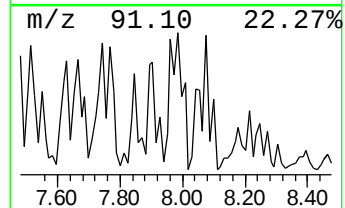
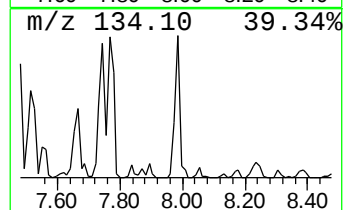
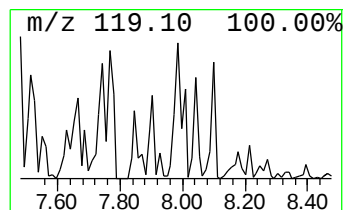
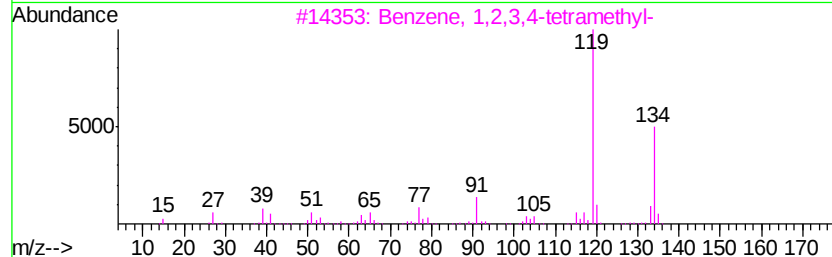
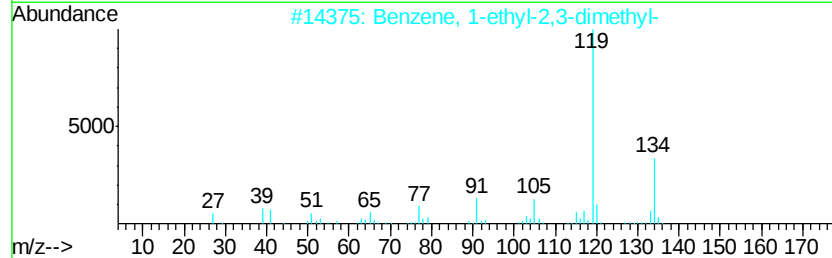
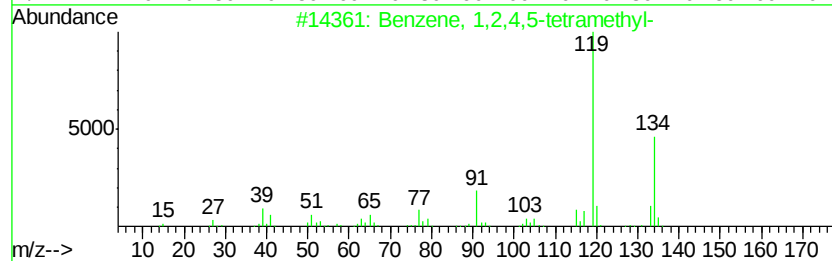
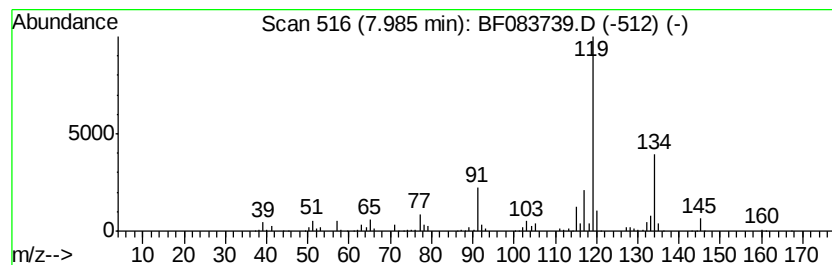
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	73.23 ng	8968350	Napthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
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Operator : UM/IZ
Sample : G4648-20
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ALS Vial : 31 Sample Multiplier: 1

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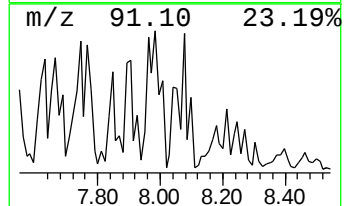
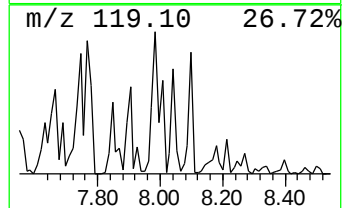
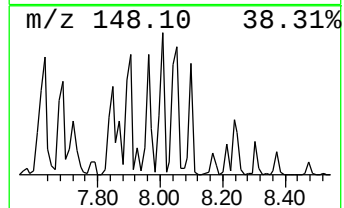
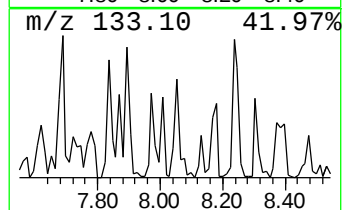
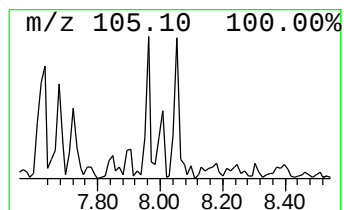
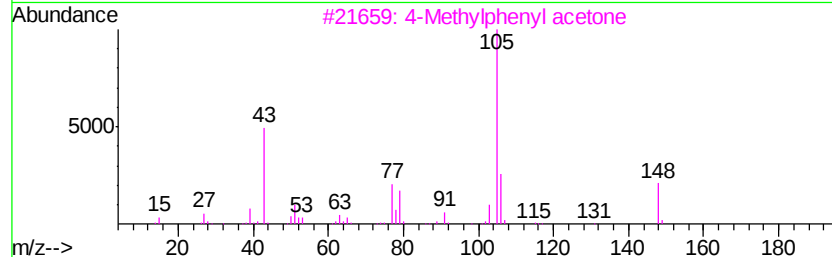
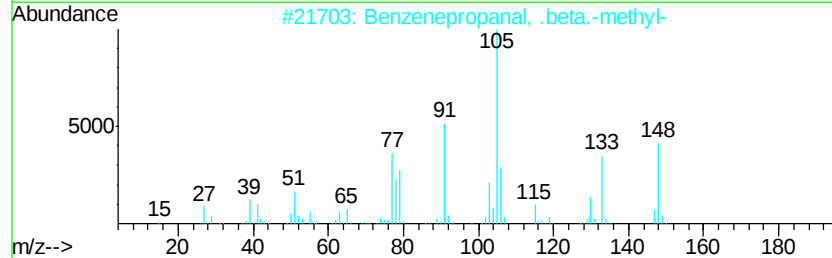
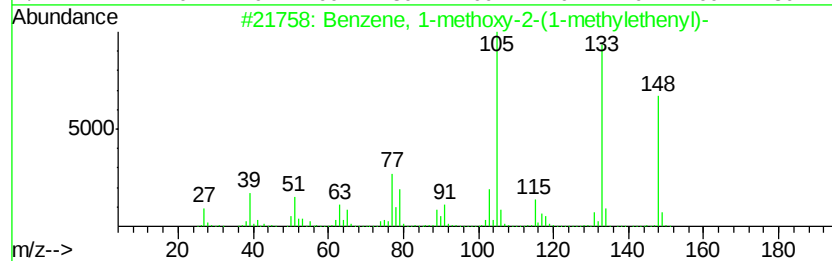
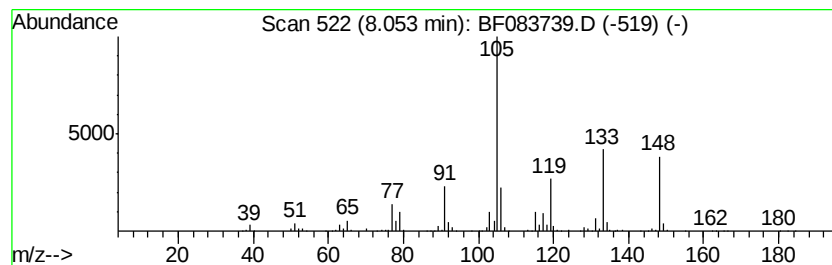
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1-methoxy-2-(1-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	42.08 ng	5154410	Napthalene-d8	8.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	62
2		Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	58
3		4-Methylphenyl acetone	148	C10H12O	002096-86-8	55
4		3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	50
5		2-Methylindan-2-ol	148	C10H12O	033223-84-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121315\
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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					#	RT	Resp	Conc
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Cyclohexane, 1-et...	5.96	81.5	ng	15488800	1	6.97	3800910	20.0
Cyclohexanepropanol-	6.11	36.9	ng	7002880	1	6.97	3800910	20.0
unknown6.25	6.25	78.3	ng	14888200	1	6.97	3800910	20.0
Undecane, 5,6-dim...	6.44	53.9	ng	10234600	1	6.97	3800910	20.0
unknown7.63	7.63	43.7	ng	5353040	2	8.22	2449530	20.0
Benzene, 1-ethyl-...	7.74	49.1	ng	6013270	2	8.22	2449530	20.0
n-Amylcyclohexane	7.87	56.4	ng	6902650	2	8.22	2449530	20.0
Benzene, 1,2,4,5-...	7.98	73.2	ng	8968350	2	8.22	2449530	20.0
Benzene, 1-methox...	8.05	42.1	ng	5154410	2	8.22	2449530	20.0