

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084523.D
 Acq On : 16 Jan 2016 6:44
 Operator : SJ/UM
 Sample : H1134-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-13

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-BF123115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.338	195	197	200	rBV	101149	126458	1.89%	0.141%
2	5.001	252	255	258	rBV	2523963	4015539	60.03%	4.489%
3	5.436	290	293	295	rBV	6062523	6689656	100.00%	7.478%
4	5.824	324	327	330	rVB	268632	265690	3.97%	0.297%
5	6.030	342	345	347	rBV2	32010	73148	1.09%	0.082%
6	6.121	351	353	354	rBV	71497	67301	1.01%	0.075%
7	6.281	366	367	371	rVB3	49378	70802	1.06%	0.079%
8	6.350	371	373	376	rBV2	160673	255925	3.83%	0.286%
9	6.464	380	383	386	rBV	5375830	5773547	86.31%	6.454%
10	6.590	391	394	396	rBV	6020479	5965636	89.18%	6.669%
11	6.681	399	402	403	rVB2	55635	96427	1.44%	0.108%
12	6.727	403	406	407	rBV3	48715	92066	1.38%	0.103%
13	6.784	407	411	412	rBV3	67578	109774	1.64%	0.123%
14	6.819	412	414	417	rBV	1846464	1571587	23.49%	1.757%
15	6.876	418	419	421	rBV2	57305	88513	1.32%	0.099%
16	6.922	421	423	426	rBV2	74769	156799	2.34%	0.175%
17	6.979	426	428	430	rVB	5529755	4914488	73.46%	5.494%
18	7.093	436	438	441	rVB2	283327	323039	4.83%	0.361%
19	7.207	443	448	450	rBV4	140683	473988	7.09%	0.530%
20	7.242	450	451	454	rVB2	166527	232593	3.48%	0.260%
21	7.287	454	455	458	rVB3	86278	118171	1.77%	0.132%
22	7.344	458	460	461	rBV2	192041	273085	4.08%	0.305%
23	7.390	461	464	465	rVV	4200041	4464233	66.73%	4.990%
24	7.424	465	467	468	rVB	122591	145416	2.17%	0.163%
25	7.470	468	471	472	rVB3	212159	265976	3.98%	0.297%
26	7.493	472	473	476	rBV3	101645	235749	3.52%	0.264%
27	7.550	476	478	479	rBV2	152302	235985	3.53%	0.264%
28	7.630	484	485	489	rVB2	425051	384545	5.75%	0.430%
29	7.687	489	490	492	rBV2	172191	252174	3.77%	0.282%
30	7.744	494	495	497	rVB	1159859	962693	14.39%	1.076%
31	7.790	497	499	501	rBV3	307873	487931	7.29%	0.545%
32	7.824	501	502	503	rBV	102011	99654	1.49%	0.111%
33	7.939	510	512	514	rVB2	123007	216734	3.24%	0.242%
34	7.973	514	515	516	rBV	323238	375857	5.62%	0.420%

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35	8.007	516	518	522	rVB4	446371	860778	12.87%	0.962%
36	8.110	522	527	529	rBV	2506392	3458033	51.69%	3.866%
37	8.167	529	532	533	rBV2	177045	346204	5.18%	0.387%
38	8.213	533	536	538	rVV2	306872	405924	6.07%	0.454%
39	8.282	541	542	543	rVV	404380	327697	4.90%	0.366%
40	8.316	543	545	546	rVB	712023	602547	9.01%	0.674%
41	8.339	546	547	549	rVB2	157821	192121	2.87%	0.215%
42	8.396	549	552	554	rBV2	369085	715577	10.70%	0.800%
43	8.430	554	555	556	rBV	282583	238930	3.57%	0.267%
44	8.499	559	561	562	rBV	157411	196659	2.94%	0.220%
45	8.556	564	566	569	rVB2	467536	742881	11.10%	0.830%
46	8.613	569	571	573	rBV2	331582	459261	6.87%	0.513%
47	8.647	573	574	577	rVB	482602	562757	8.41%	0.629%
48	8.705	577	579	581	rBV	427979	536193	8.02%	0.599%
49	8.785	584	586	590	rVB4	264918	508738	7.60%	0.569%
50	8.853	590	592	593	rBV	187334	226658	3.39%	0.253%
51	8.990	603	604	606	rBV2	351028	408341	6.10%	0.456%
52	9.105	612	614	615	rBV	374890	428130	6.40%	0.479%
53	9.139	615	617	619	rVV2	312994	349003	5.22%	0.390%
54	9.185	619	621	623	rVB	4470238	6050258	90.44%	6.763%
55	9.230	623	625	626	rBV	430759	520802	7.79%	0.582%
56	9.276	626	629	631	rBV	1237639	1691166	25.28%	1.891%
57	9.322	631	633	637	rVB5	300143	719112	10.75%	0.804%
58	9.505	647	649	650	rBV2	273170	307861	4.60%	0.344%
59	9.585	654	656	658	rBV	1431640	1814711	27.13%	2.029%
60	9.745	667	670	671	rBV2	428726	777062	11.62%	0.869%
61	9.779	671	673	674	rVV2	782796	894877	13.38%	1.000%
62	9.802	674	675	677	rVV	1035240	1035234	15.48%	1.157%
63	9.870	677	681	683	rVV2	1689207	2847489	42.57%	3.183%
64	9.928	683	686	689	rVV3	531559	859607	12.85%	0.961%
65	10.270	715	716	717	rBV	485801	446375	6.67%	0.499%
66	10.305	717	719	720	rVV	1044149	875682	13.09%	0.979%
67	10.659	747	750	752	rBV	3394684	3956502	59.14%	4.423%
68	10.773	759	760	764	rVB	1104249	1689536	25.26%	1.889%
69	11.219	797	799	801	rBV	502193	613054	9.16%	0.685%
70	11.345	808	810	817	rBV2	1448693	2072937	30.99%	2.317%
71	11.653	835	837	839	rVB	523677	537920	8.04%	0.601%

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72	12.053	871	872	875	rVB	463637	432806	6.47%	0.484%
73	12.442	904	906	908	rVB	418073	409809	6.13%	0.458%
74	12.819	937	939	940	rVB	284959	253671	3.79%	0.284%
75	12.934	947	949	952	rVB	4342846	4864210	72.71%	5.438%
76	13.174	968	970	972	rVB	219127	236979	3.54%	0.265%
77	13.516	998	1000	1002	rVB	114928	113738	1.70%	0.127%
78	13.848	1027	1029	1035	rVB	248333	467099	6.98%	0.522%
79	13.985	1038	1041	1043	rBV	1530408	1564996	23.39%	1.749%
80	14.157	1054	1056	1064	rVB	88117	180915	2.70%	0.202%
81	14.499	1084	1086	1091	rVB6	39806	91088	1.36%	0.102%
82	14.991	1127	1129	1134	rVB	46081	107400	1.61%	0.120%
83	15.402	1162	1165	1168	rBV	1180544	1430115	21.38%	1.599%
84	17.540	1349	1352	1358	rVB3	26334	68389	1.02%	0.076%
85	19.254	1495	1502	1508	rVB9	16655	75774	1.13%	0.085%

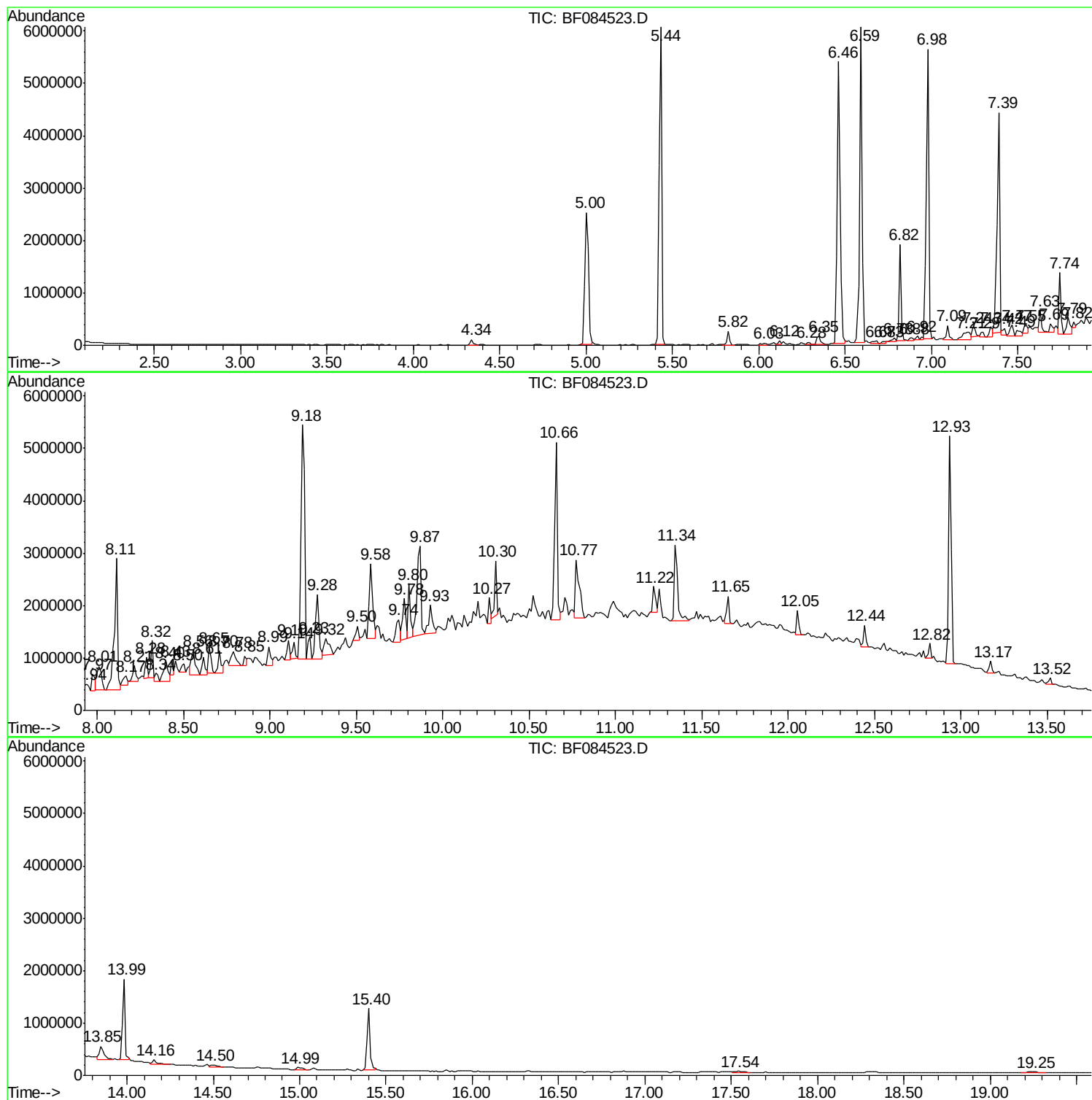
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BF084523.D
Acq On : 16 Jan 2016 6:44
Operator : SJ/UM
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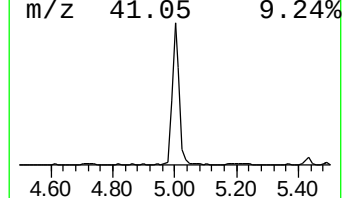
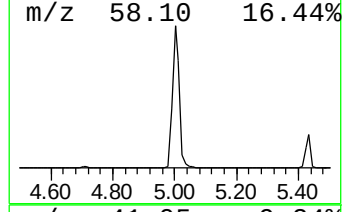
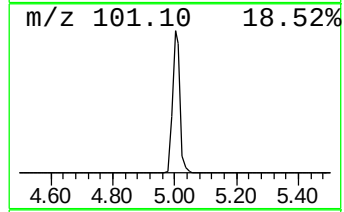
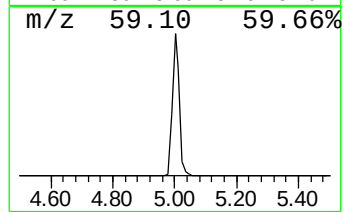
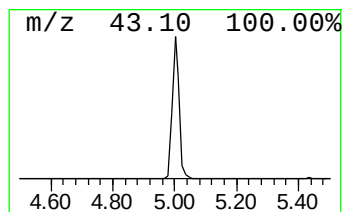
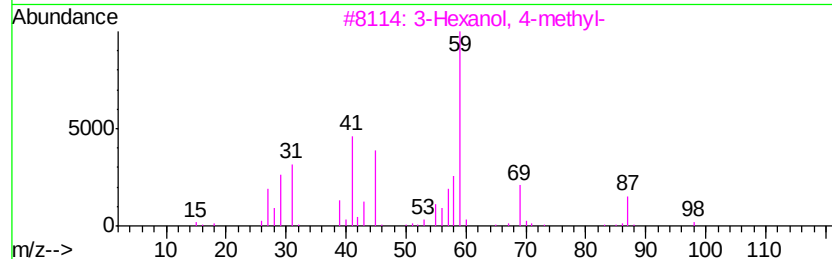
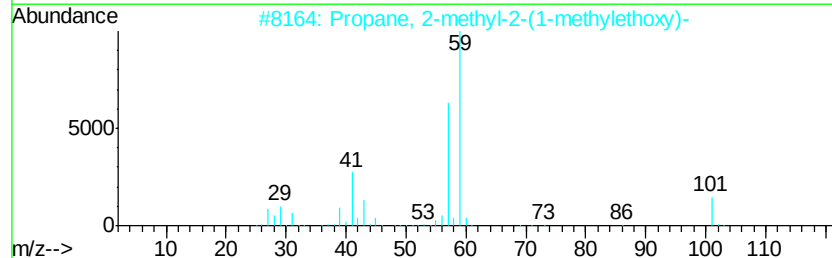
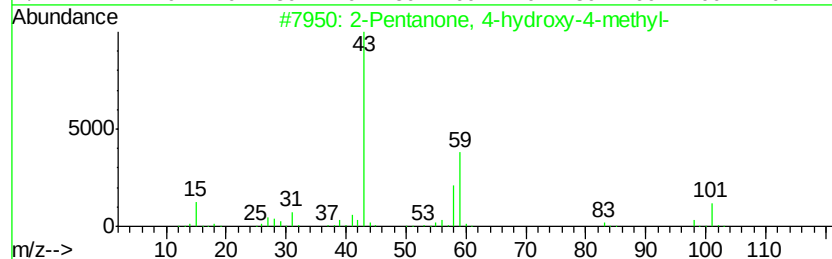
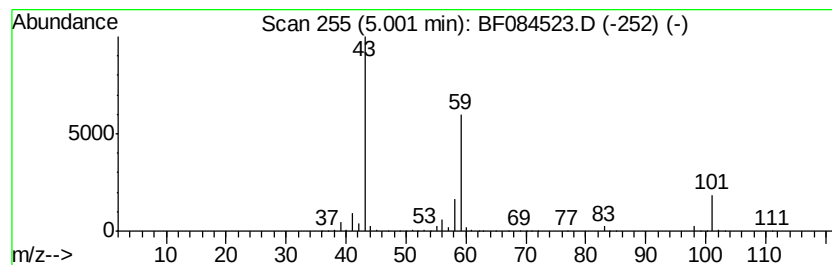
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.00	51.10 ng	4015540	1,4-Dichlorobenzene-d4	6.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9



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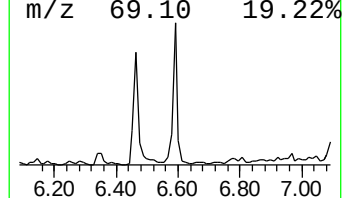
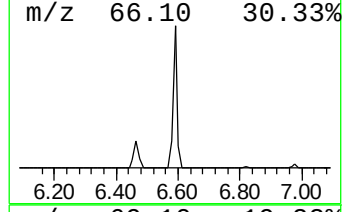
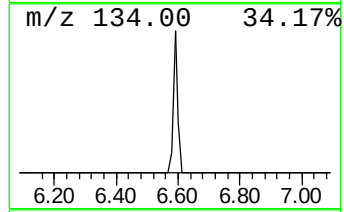
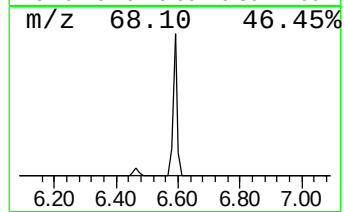
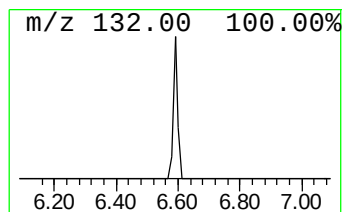
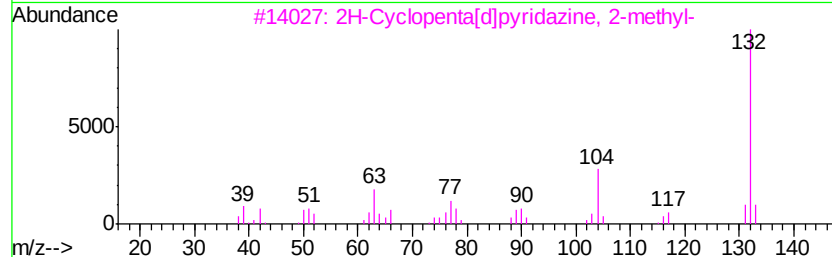
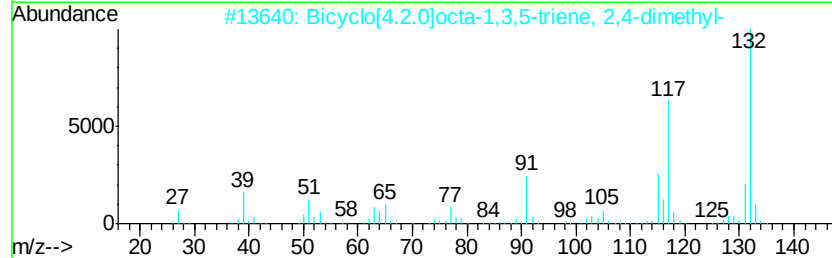
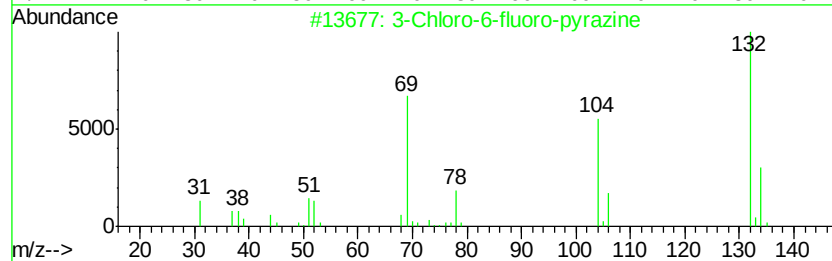
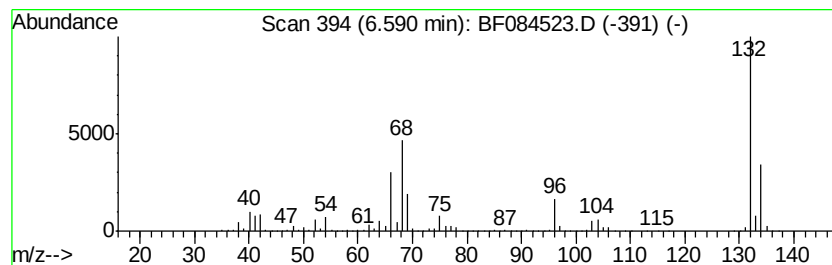
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	75.92 ng	5965640	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		Xenon	132	Xe	007440-63-3	9



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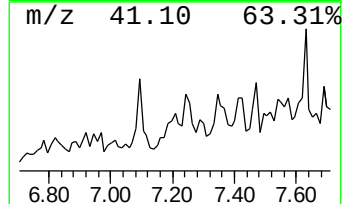
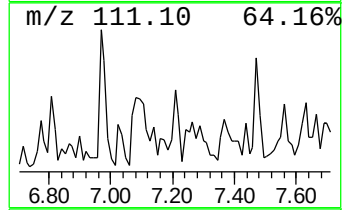
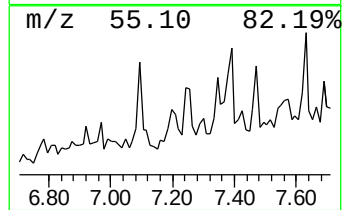
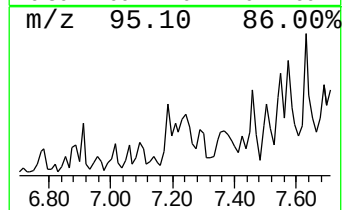
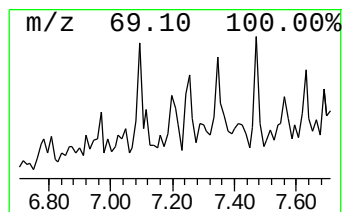
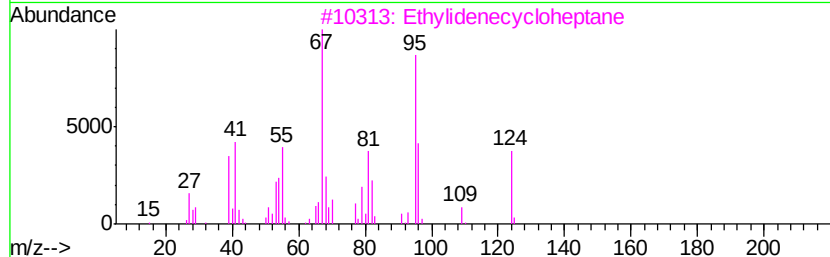
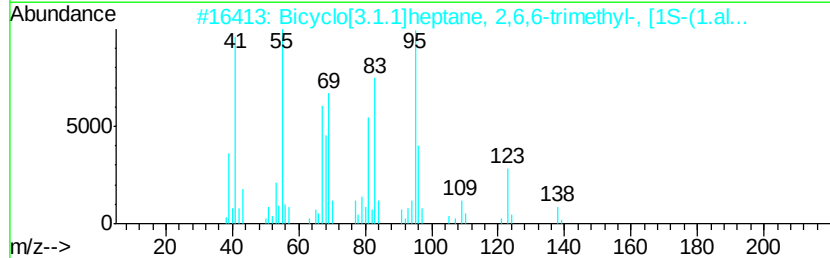
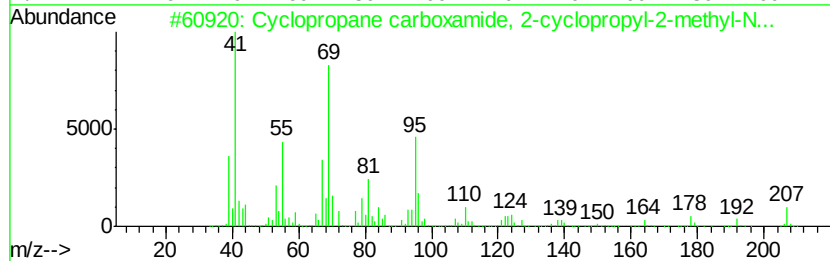
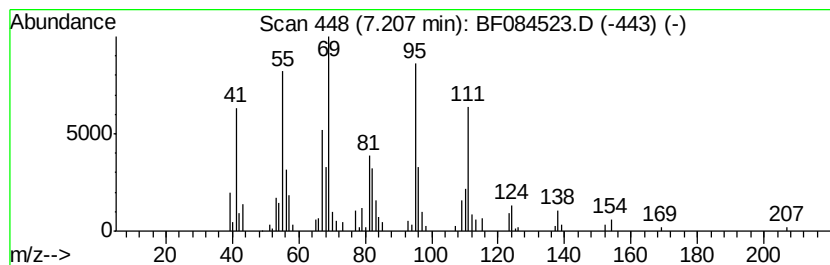
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclopropane carboxamide, 2... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	6.03 ng	473988	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	74
2		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	50
3		Ethylidenecycloheptane	124	C9H16	010494-87-8	46
4		(-)-trans-Pinane	138	C10H18	033626-25-4	43
5		Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	41



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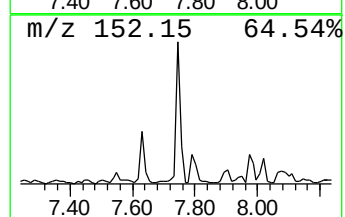
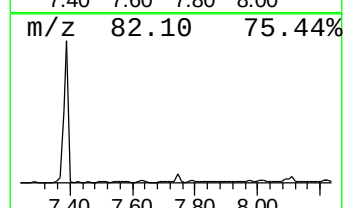
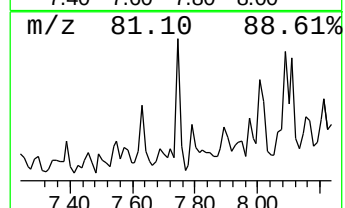
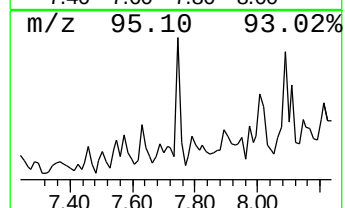
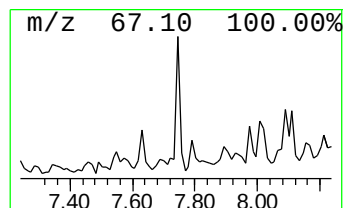
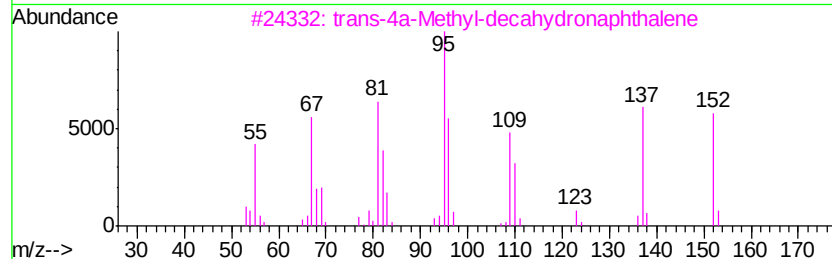
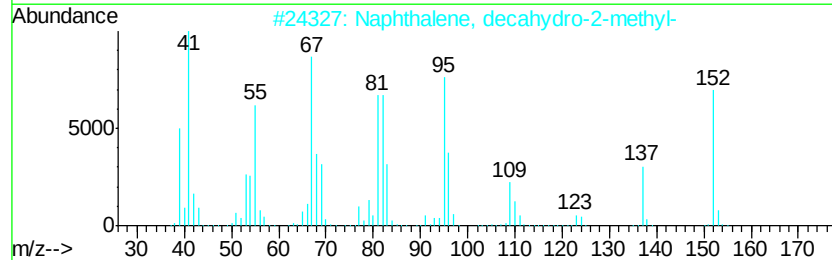
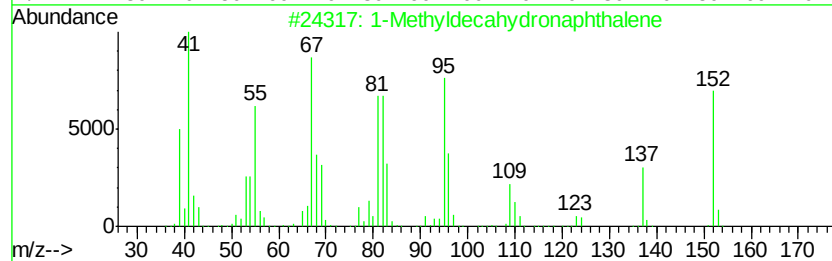
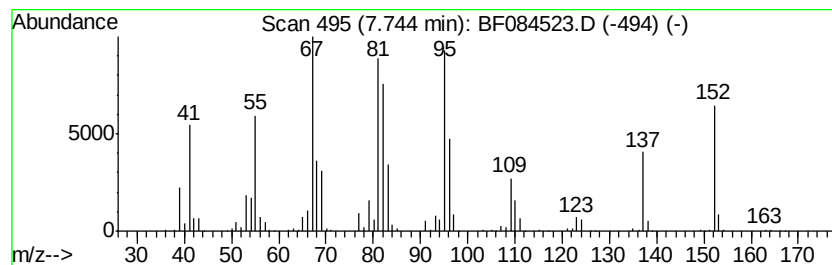
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Methyldecahydronaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	5.57 ng	962693	Naphthalene-d8	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	91
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
5		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084523.D
 Acq On : 16 Jan 2016 6:44
 Operator : SJ/UM
 Sample : H1134-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

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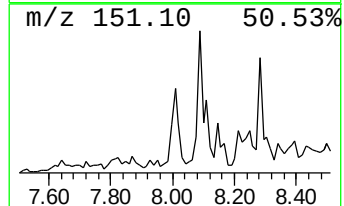
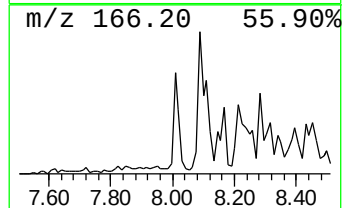
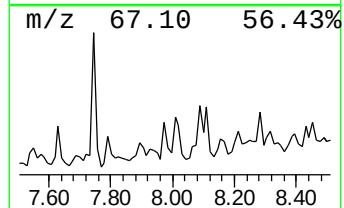
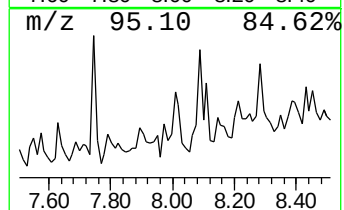
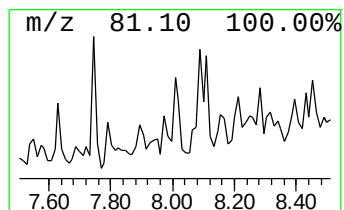
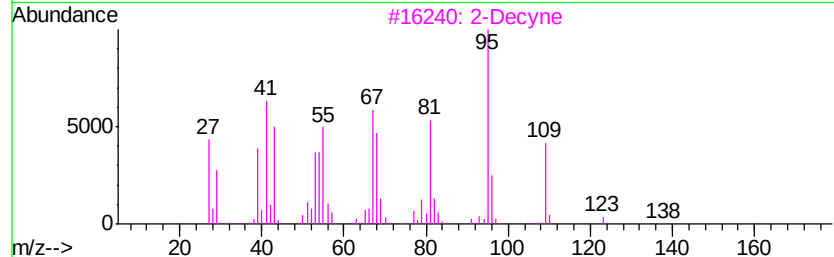
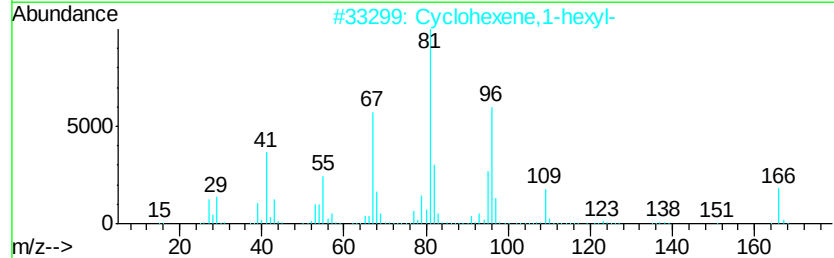
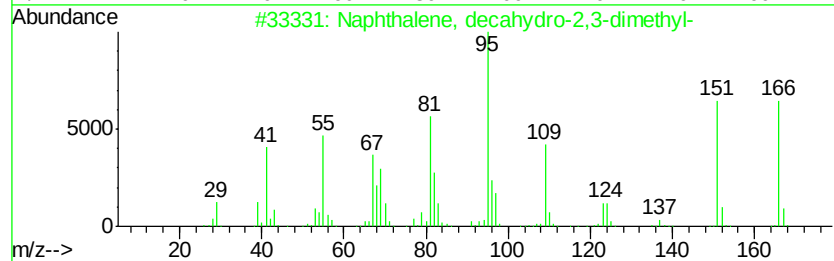
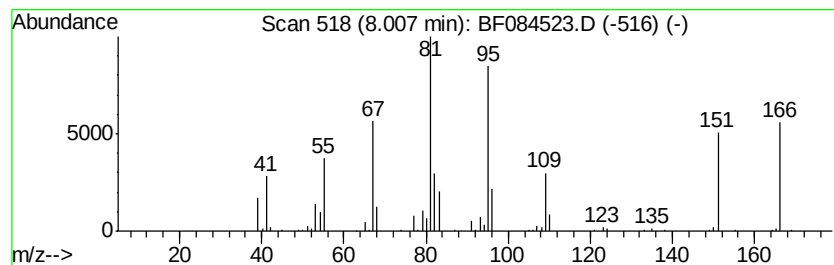
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 6 Naphthalene, decahydro-2,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	4.98 ng	860778	Naphthalene-d8	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	68
2		Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	49
3		2-Decyne	138	C10H18	002384-70-5	43
4		Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	38
5		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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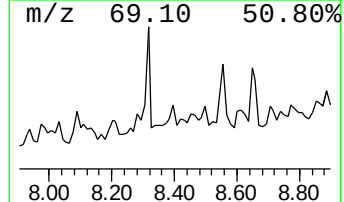
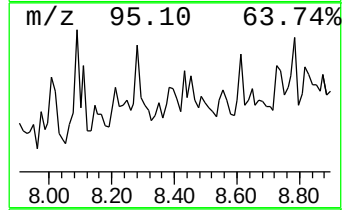
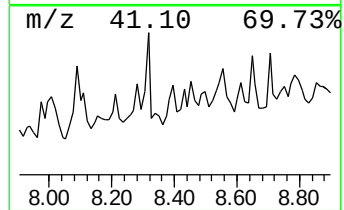
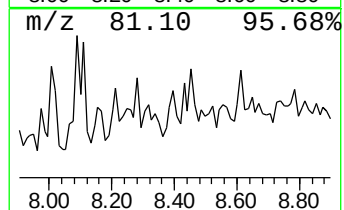
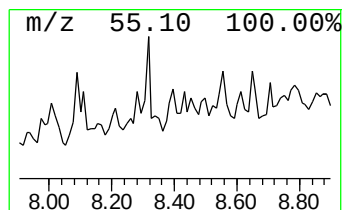
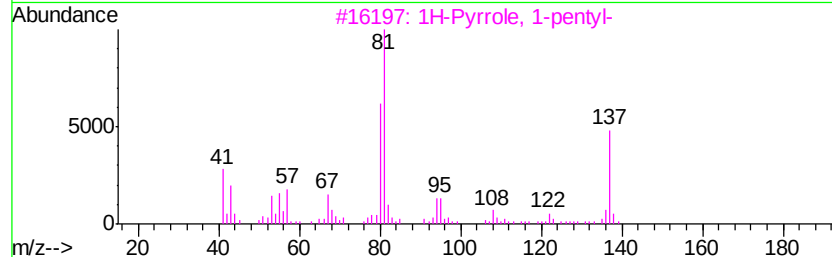
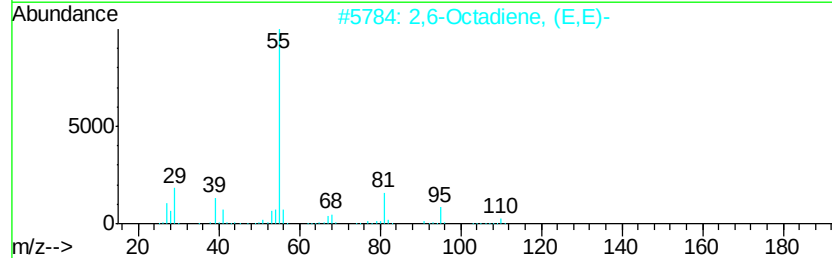
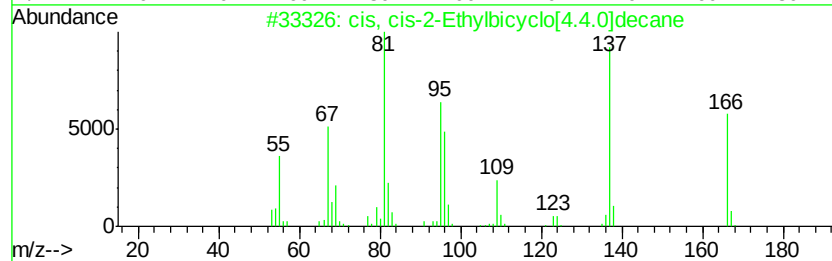
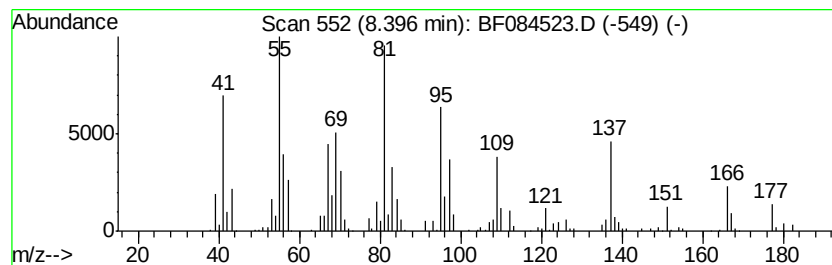
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 cis, cis-2-Ethylbicyclo[4.4.0]de... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	4.14 ng	715577	Naphthalene-d8	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	62
2		2,6-Octadiene, (E,E)-	110	C8H14	018152-31-3	35
3		1H-Pyrrole, 1-pentyl-	137	C9H15N	000699-22-9	30
4		Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	22
5		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	22



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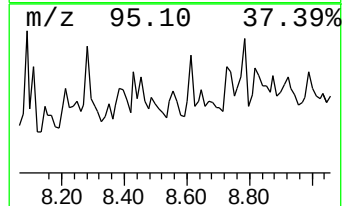
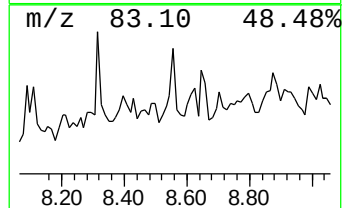
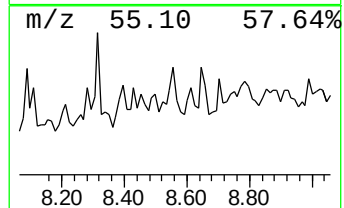
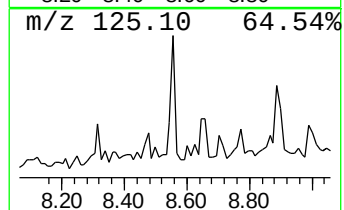
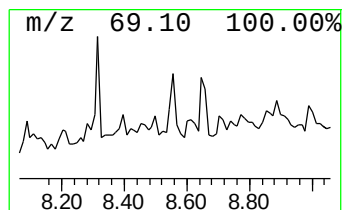
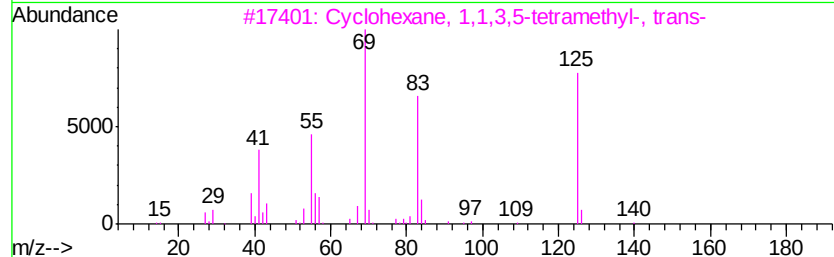
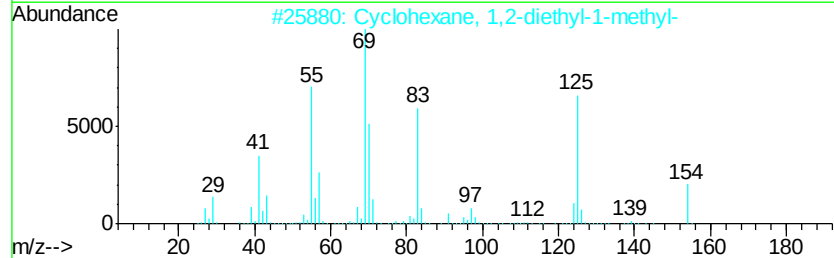
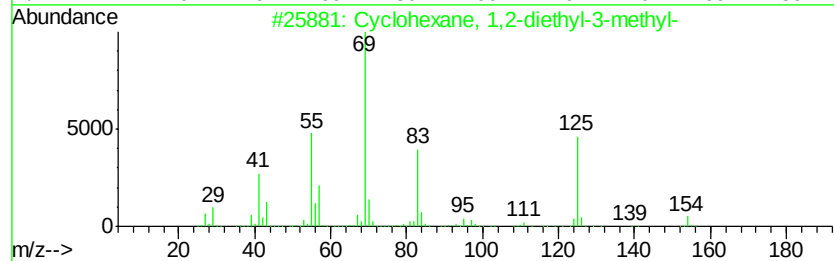
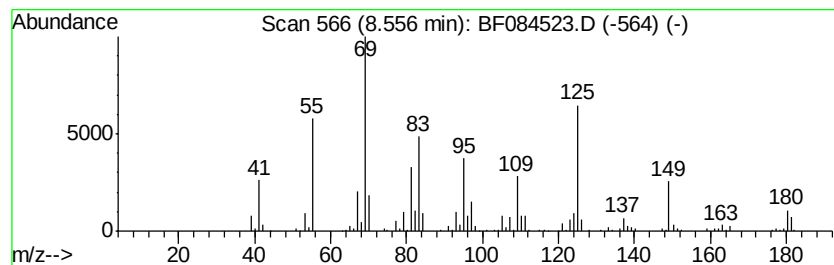
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, 1,2-diethyl-3-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	4.30 ng	742881	Naphthalene-d8	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	52
2		Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	50
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
4		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
5		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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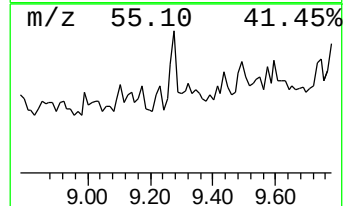
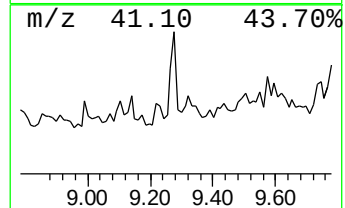
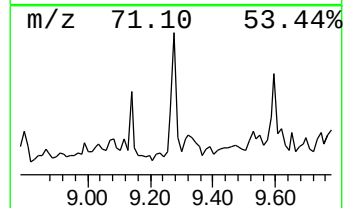
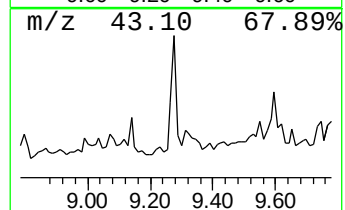
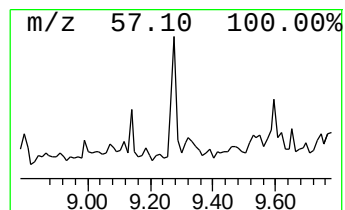
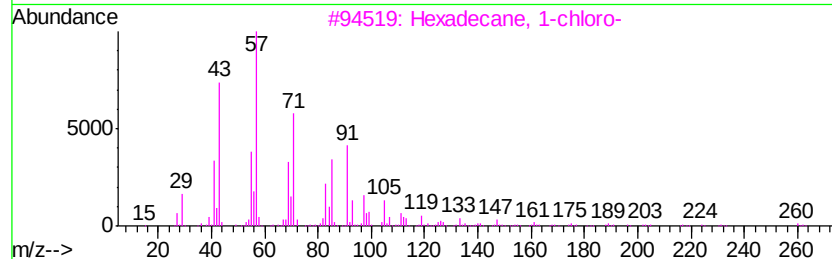
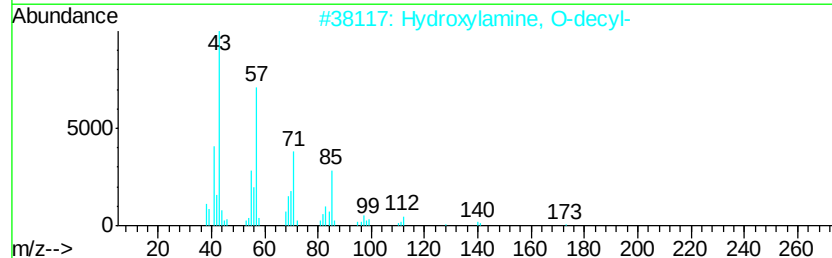
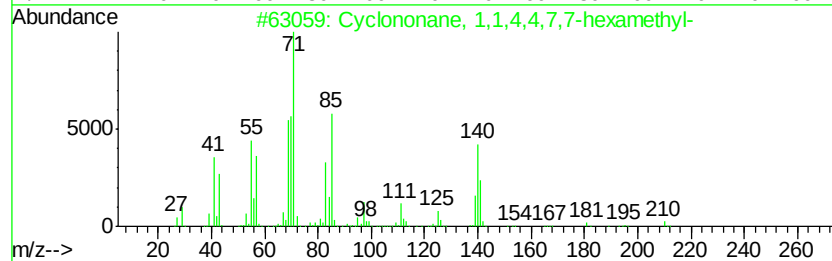
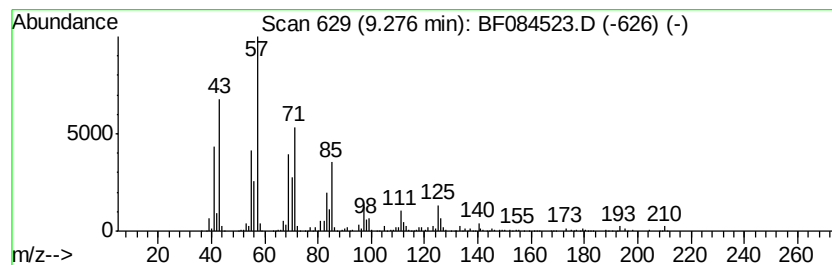
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclononane, 1,1,4,4,7,7-he... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	11.88 ng	1691170	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclononane, 1,1,4,4,7,7-hexamet...	210	C15H30	149331-19-1	76
2		Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	74
3		Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	59
4		1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	59
5		Dodecane, 1-chloro-	204	C12H25Cl	000112-52-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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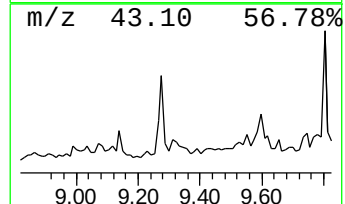
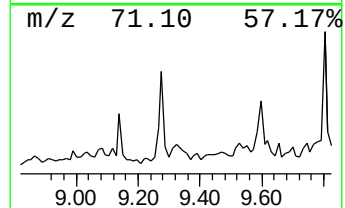
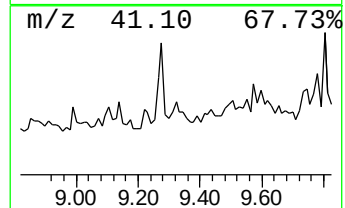
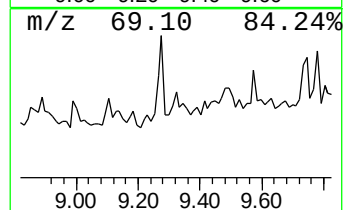
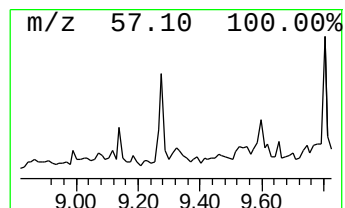
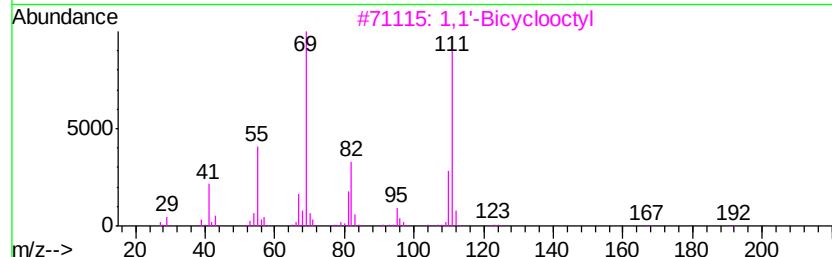
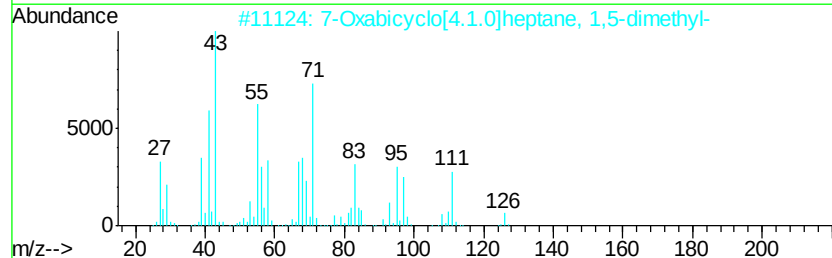
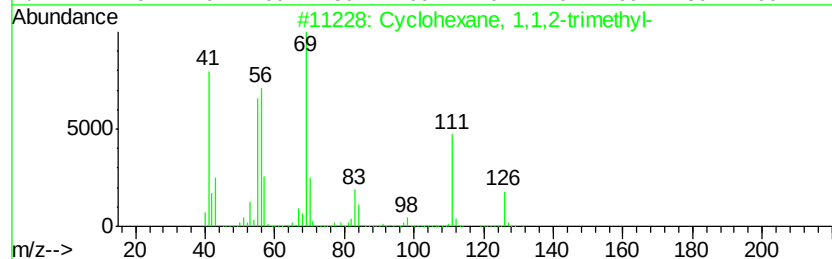
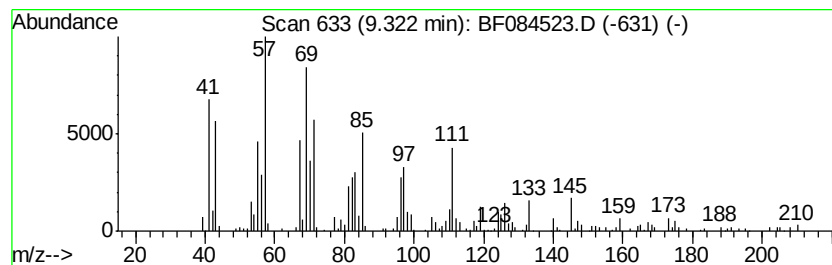
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown9.32 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.32	5.05 ng	719112	Acenaphthene-d10	9.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
2	7-Oxabicyclo[4.1.0]heptane, 1,5-...	126	C8H14O	162239-52-3	30
3	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	27
4	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	27
5	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	18



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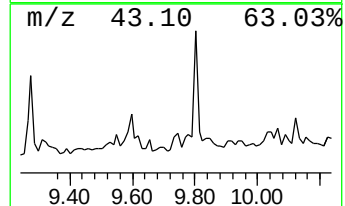
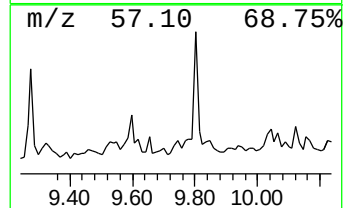
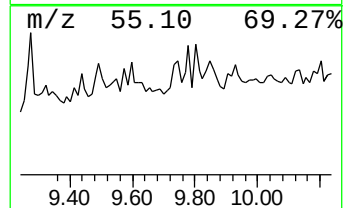
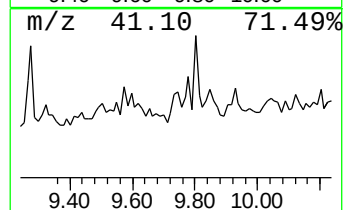
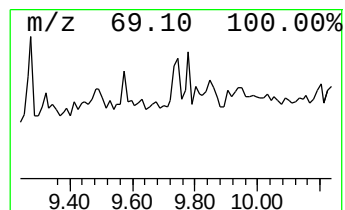
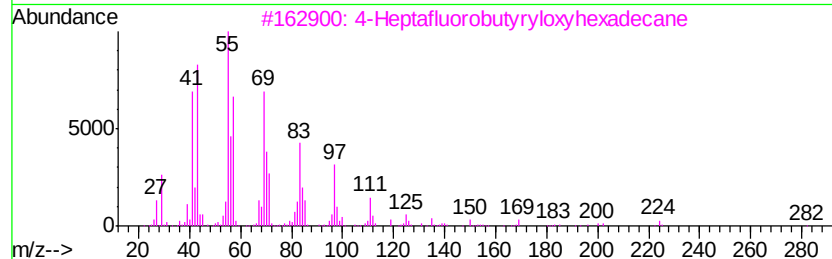
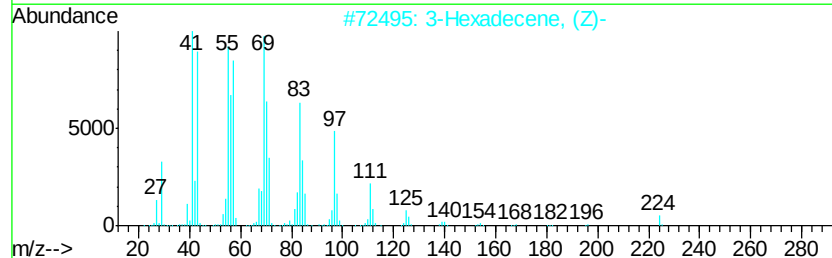
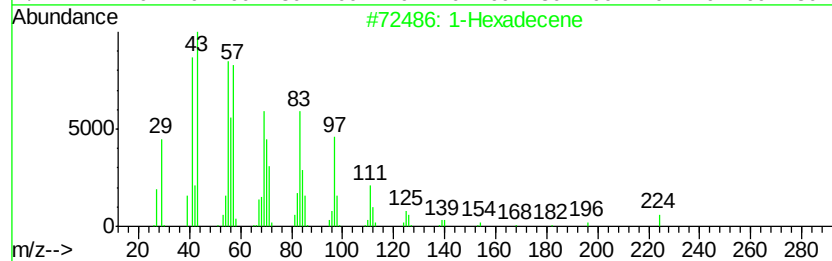
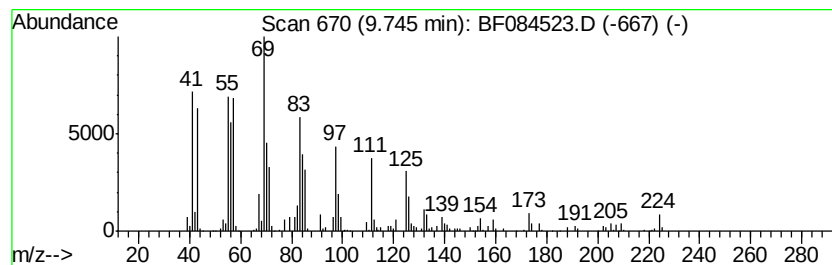
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-Hexadecene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.74	5.46 ng	777062	Acenaphthene-d10	9.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecene	224	C16H32	000629-73-2	78
2	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	72
3	4-Heptafluorobutyrvloxvhexadecane	438	C20H33F7O2	1000282-97-2	72
4	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	60
5	E-11,13-Tetradecadien-1-ol	210	C14H26O	1000131-00-3	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UST-13

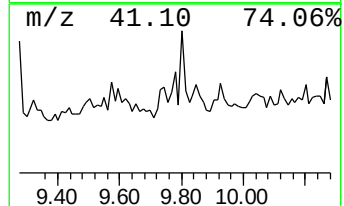
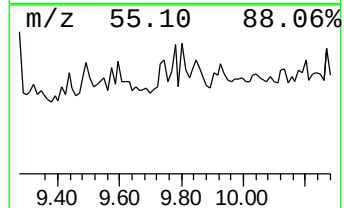
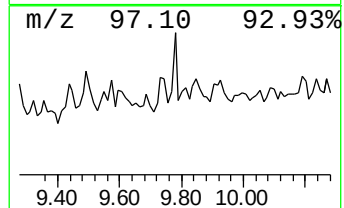
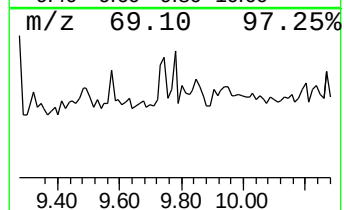
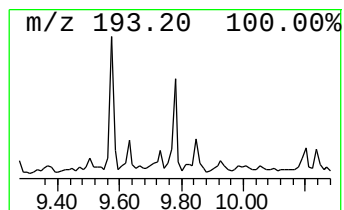
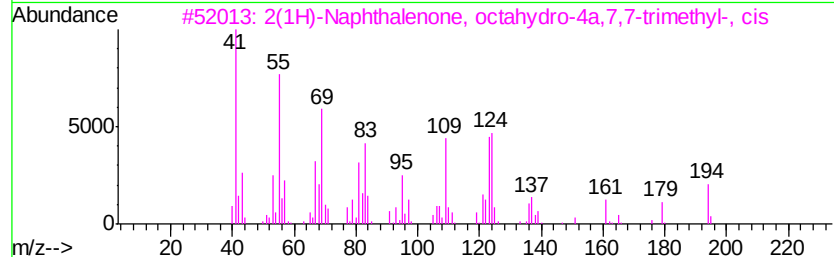
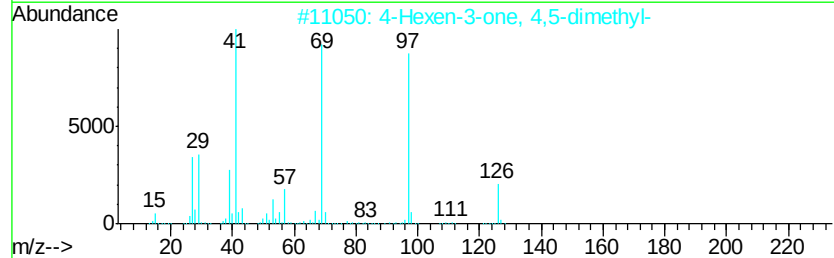
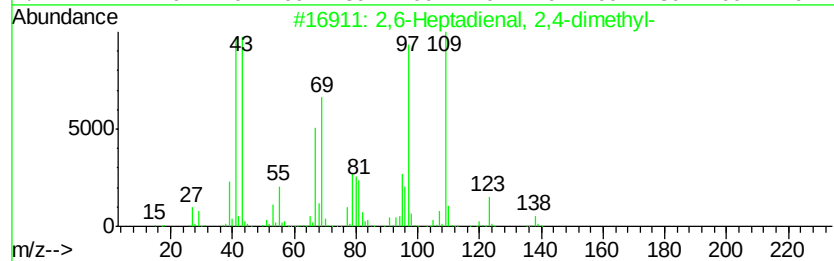
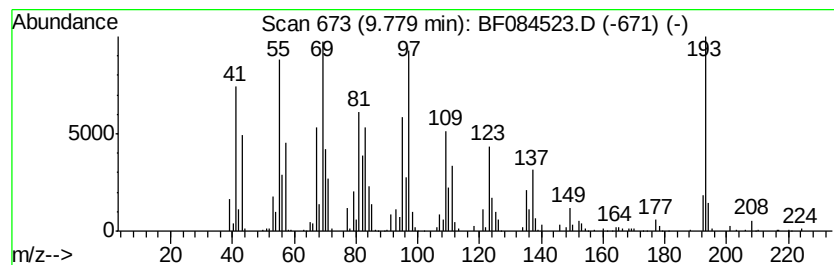
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.78 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	6.29 ng	894877	Acenaphthene-d10	9.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Heptadienal, 2,4-dimethyl-			138	C9H14O	085136-08-9	38
2	4-Hexen-3-one, 4,5-dimethyl-			126	C8H14O	017325-90-5	25
3	2(1H)-Naphthalenone, octahydro-4...			194	C13H22O	007056-56-6	11
4	2-Pentene, 3-methyl-, (Z)-			84	C6H12	000922-62-3	11
5	Cyclopropane, 1,2-dimethyl-1-pen...			140	C10H20	062238-04-4	11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
Data File : BF084523.D
Acq On : 16 Jan 2016 6:44
Operator : SJ/UM
Sample : H1134-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

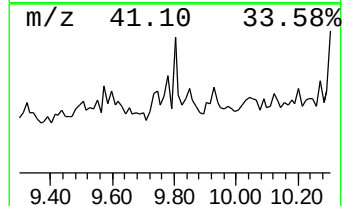
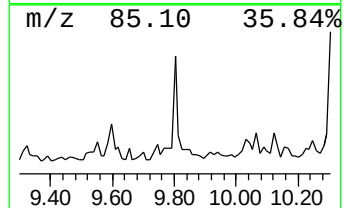
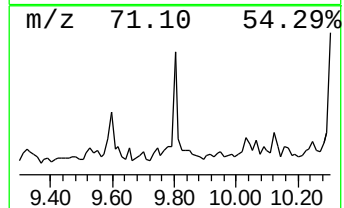
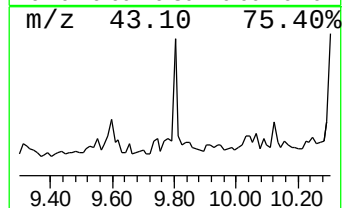
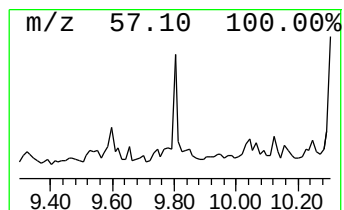
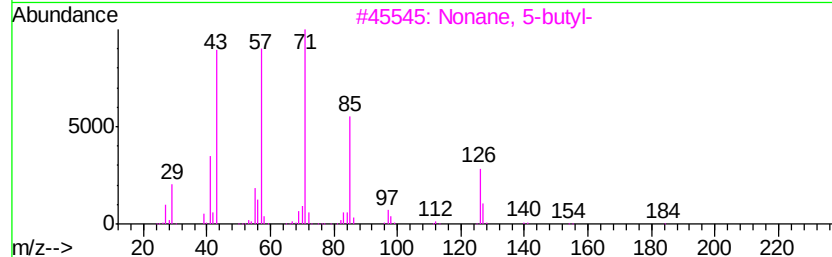
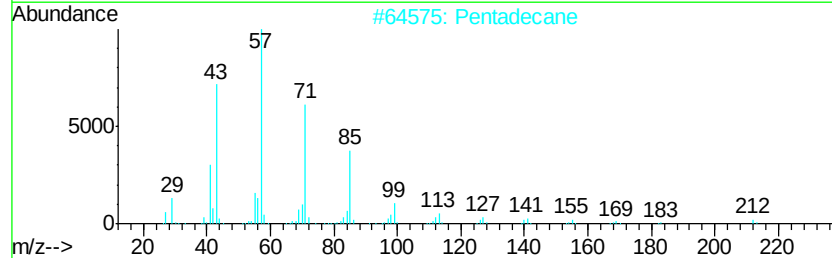
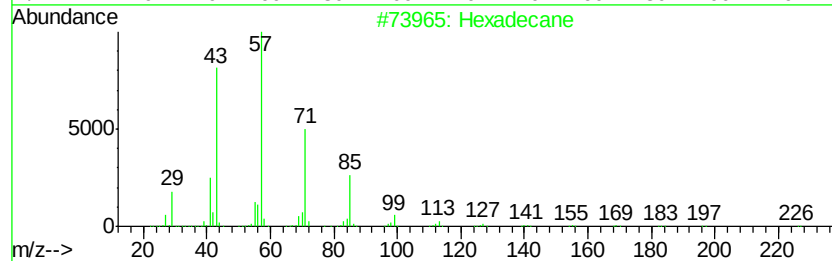
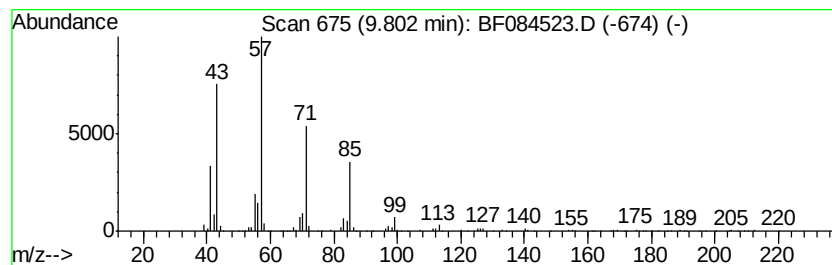
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	7.27 ng	1035230	Acenaphthene-d10	9.87
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Pentadecane	212 C15H32	000629-62-9	87
3	Nonane, 5-butyl-	184 C13H28	017312-63-9	72
4	Bacchotricuneatin c	342 C20H22O5	066563-30-2	64
5	Undecane, 2-methyl-	170 C12H26	007045-71-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
Data File : BF084523.D
Acq On : 16 Jan 2016 6:44
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Sample : H1134-05
Misc :
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Instrument :
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ClientSampleId :
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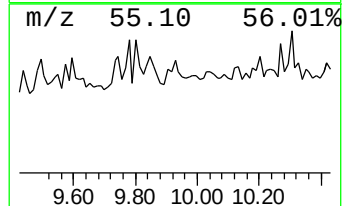
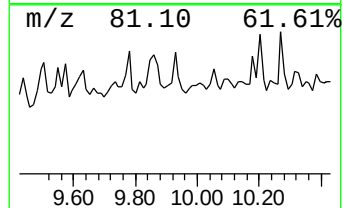
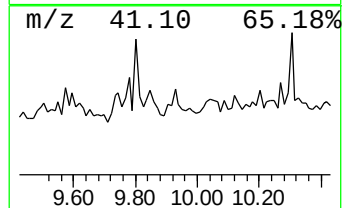
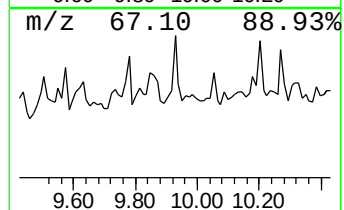
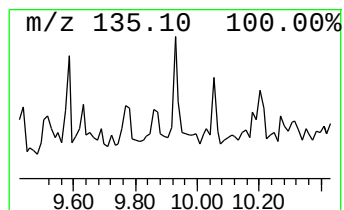
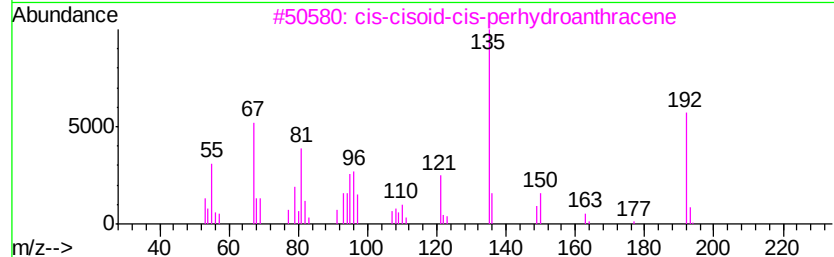
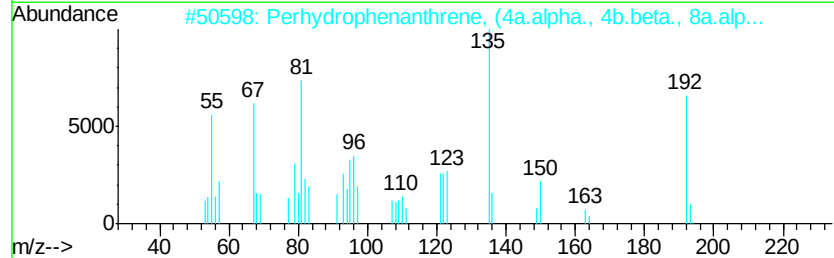
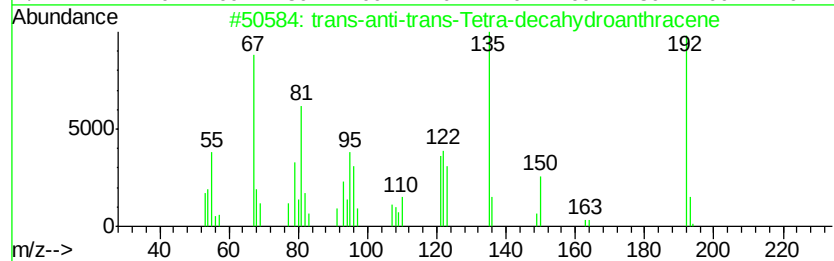
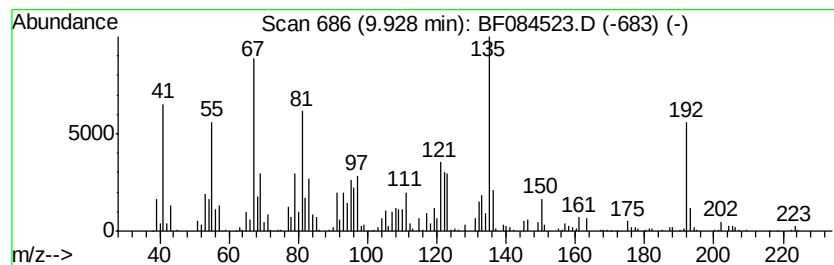
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 trans-anti-trans-Tetra-deca... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	6.04 ng	859607	Acenaphthene-d10	9.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-anti-trans-Tetra-decahydro...	192	C14H24	028071-99-0	96
2			Perhydrophenanthrene, (4a.alpha....	192	C14H24	002108-89-6	91
3			cis-cisoid-cis-perhydroanthracene	192	C14H24	019128-78-0	83
4			Phenanthrene, tetradecahydro-	192	C14H24	005743-97-5	83
5			Dispiro[4.2.4.2]tetradecane	192	C14H24	079273-13-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
Data File : BF084523.D
Acq On : 16 Jan 2016 6:44
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Sample : H1134-05
Misc :
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ClientSampleId :
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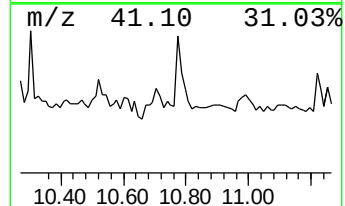
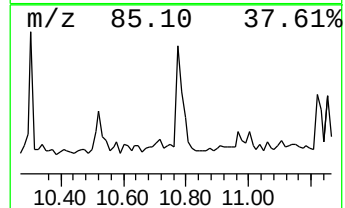
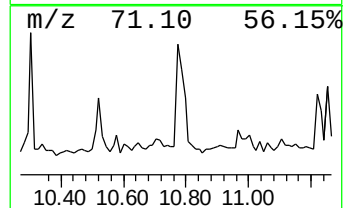
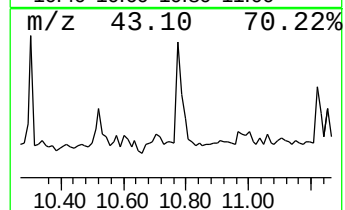
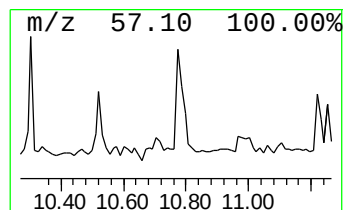
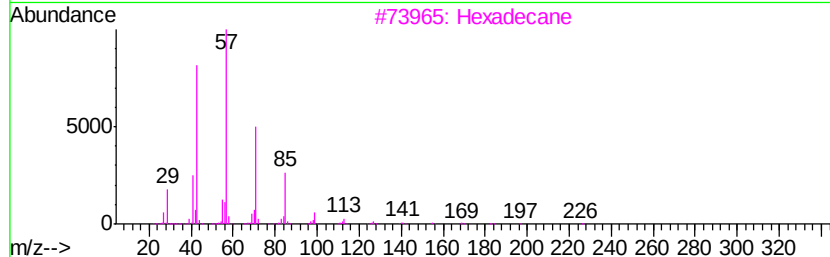
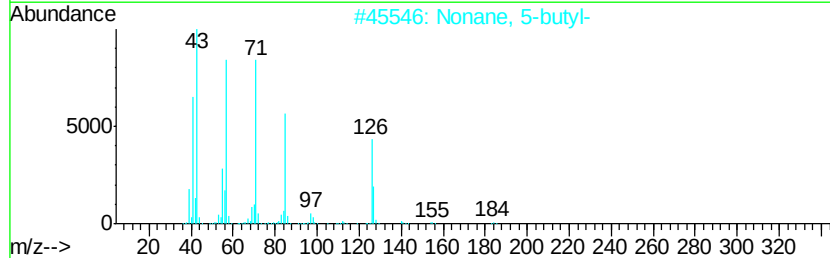
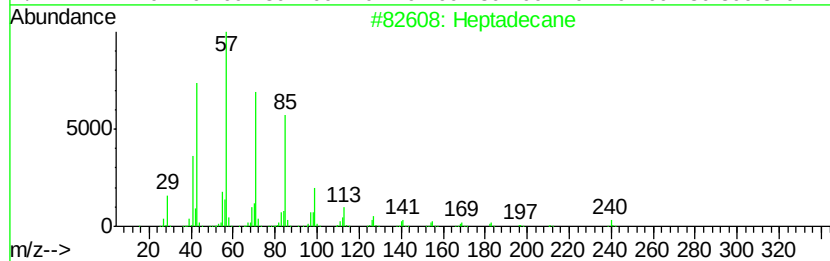
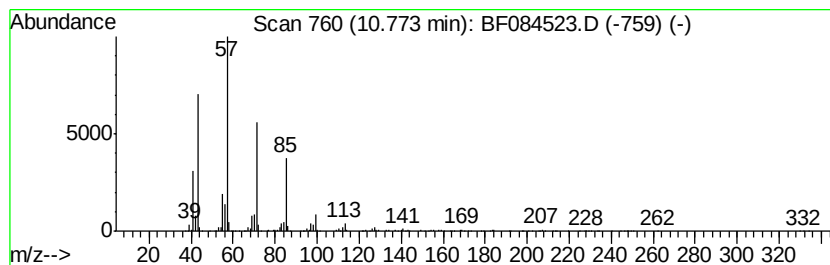
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	16.30 ng	1689540	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	97
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	94
3		Hexadecane	226	C16H34	000544-76-3	90
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5		Tetradecane	198	C14H30	000629-59-4	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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Acq On : 16 Jan 2016 6:44
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Sample : H1134-05
Misc :
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ClientSampleId :
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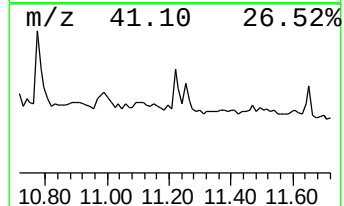
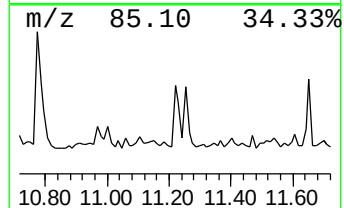
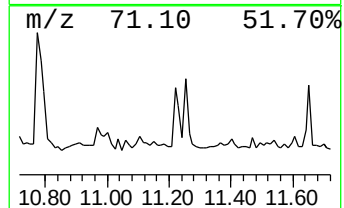
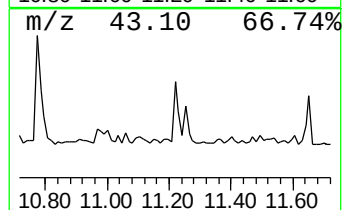
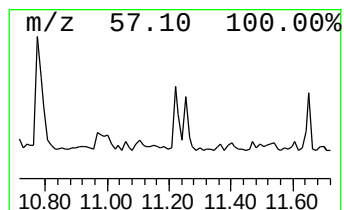
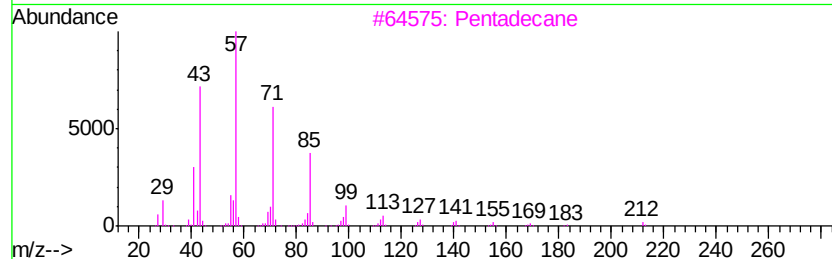
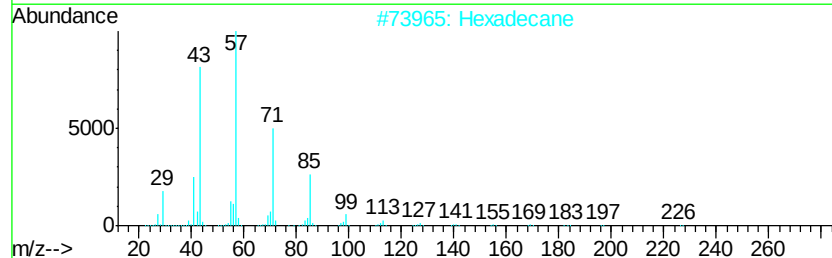
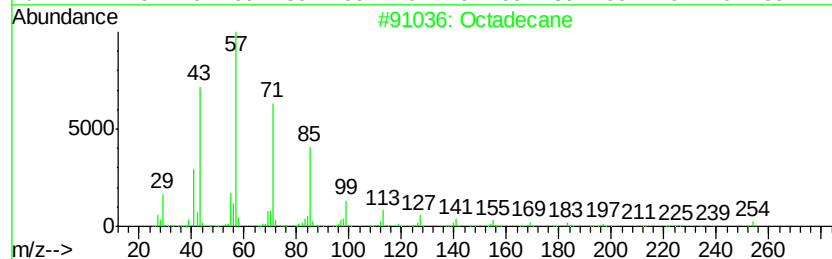
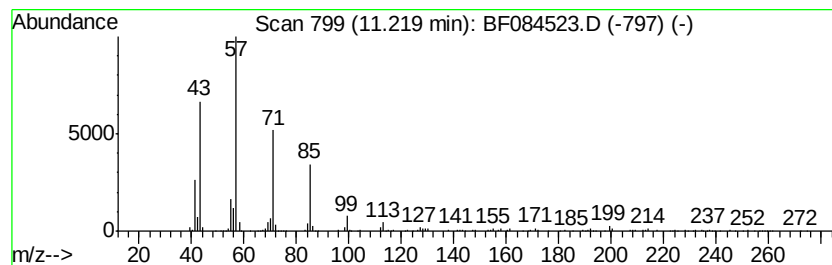
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	5.91 ng	613054	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	90
2			Hexadecane	226	C16H34	000544-76-3	86
3			Pentadecane	212	C15H32	000629-62-9	80
4			Triacontane	422	C30H62	000638-68-6	72
5			Heptadecane, 4-methyl-	254	C18H38	026429-11-8	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
Data File : BF084523.D
Acq On : 16 Jan 2016 6:44
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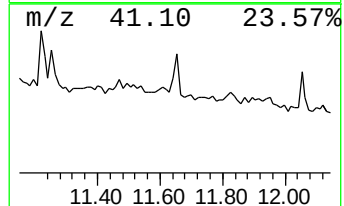
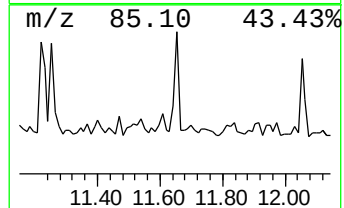
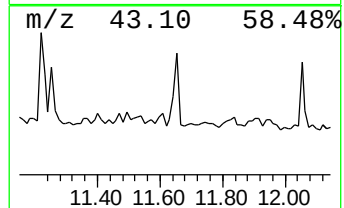
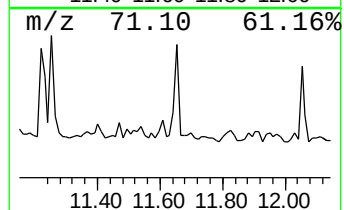
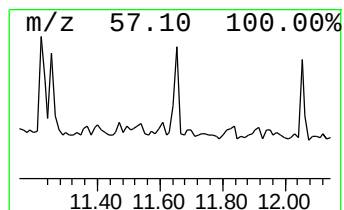
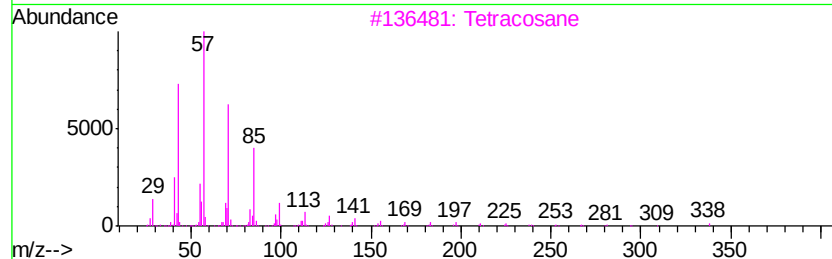
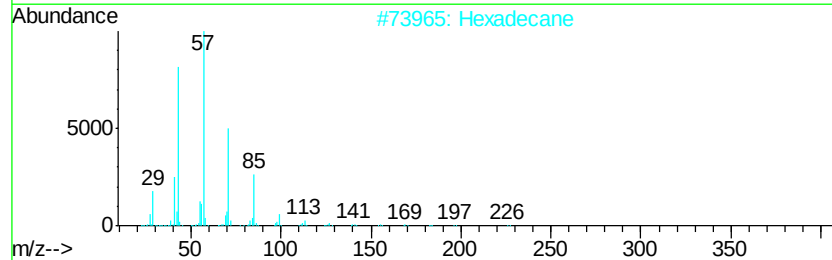
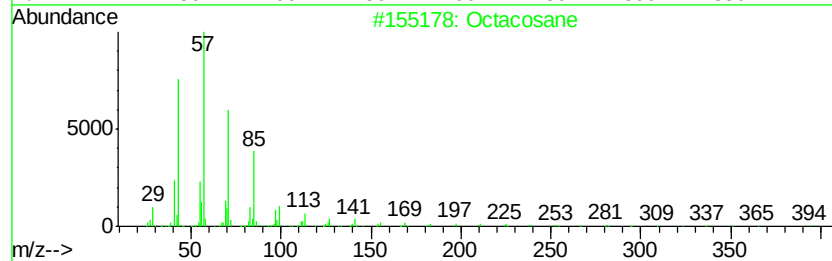
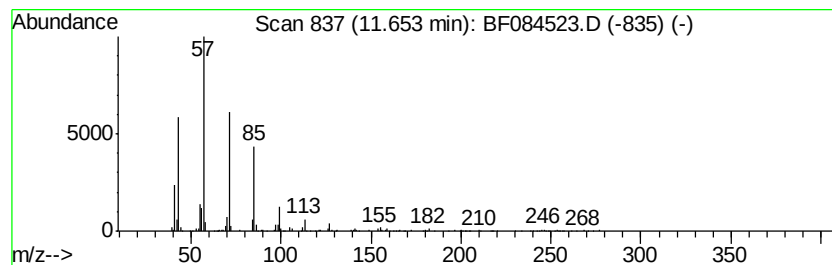
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Octacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	5.19 ng	537920	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	90
2			Hexadecane	226	C16H34	000544-76-3	90
3			Tetracosane	338	C24H50	000646-31-1	83
4			Decane, 1-iodo-	268	C10H21I	002050-77-3	83
5			Pentadecane	212	C15H32	000629-62-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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Acq On : 16 Jan 2016 6:44
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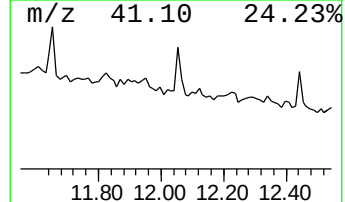
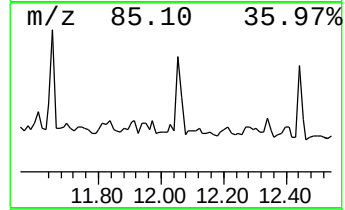
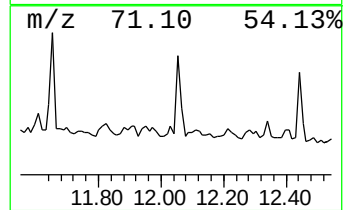
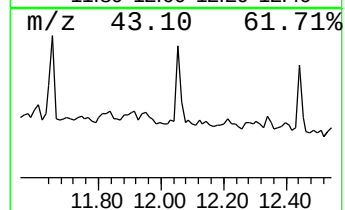
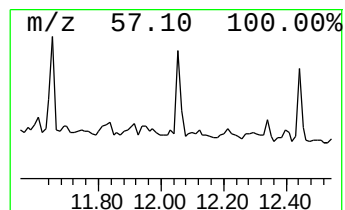
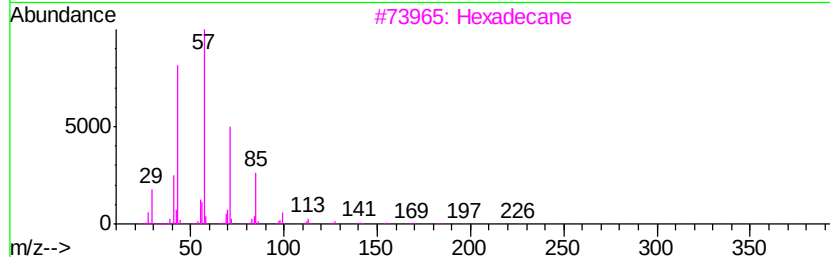
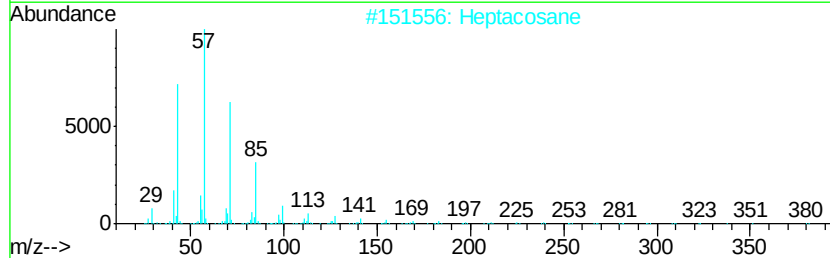
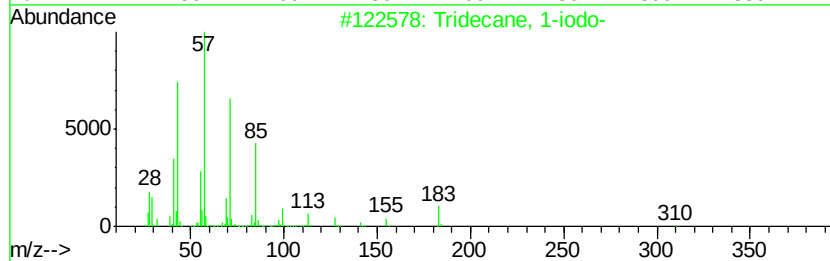
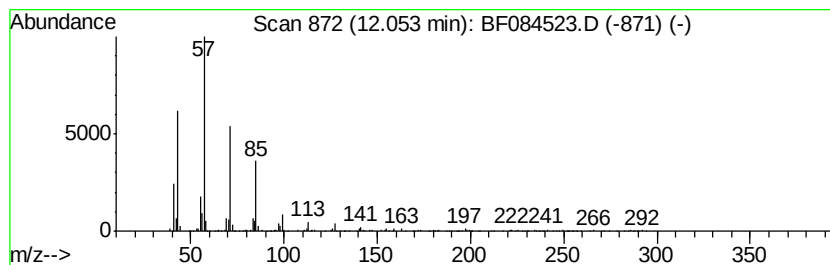
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane, 1-iodo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.18 ng	432806	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2		Heptacosane	380	C27H56	000593-49-7	87
3		Hexadecane	226	C16H34	000544-76-3	86
4		3,5-Dimethyldodecane	198	C14H30	107770-99-0	80
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UST-13

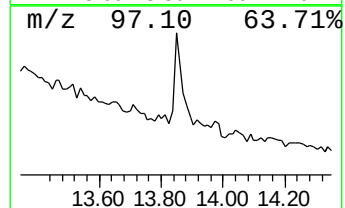
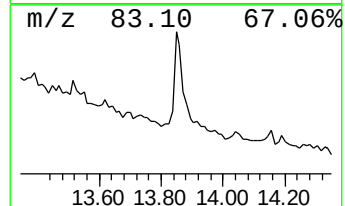
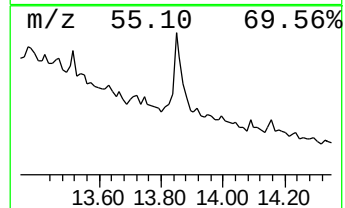
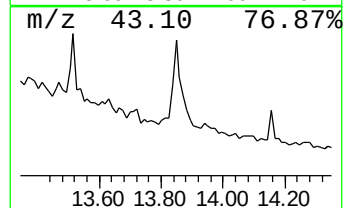
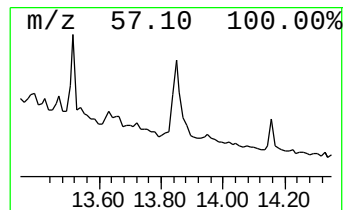
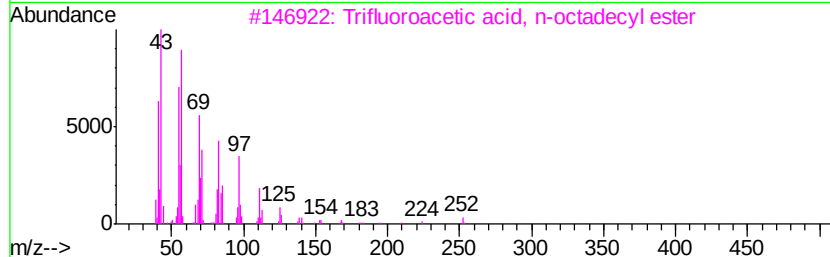
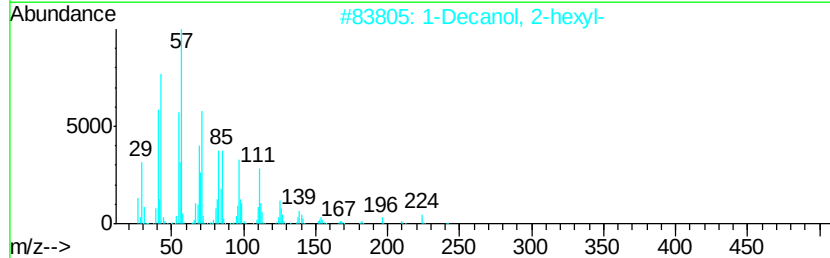
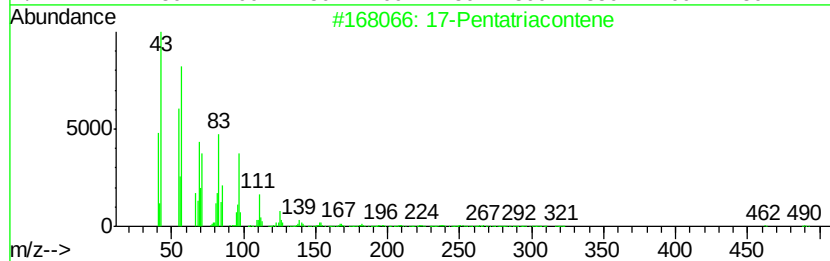
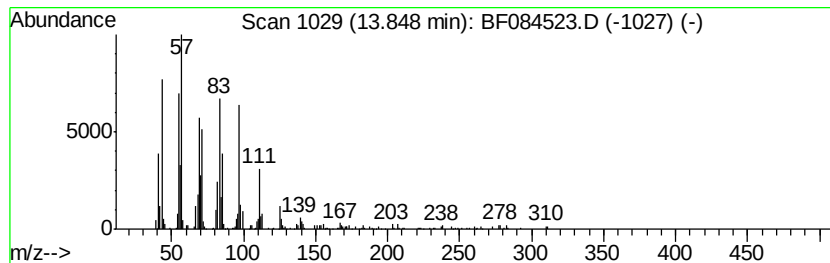
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 17-Pentatriacontene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	5.97 ng	467099	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	17-Pentatriacontene	491	C35H70	006971-40-0	87
2		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	68
3		Trifluoroacetic acid, n-octadecyl-	366	C20H37F3O2	079392-43-1	68
4		1-Hexacosanol	382	C26H54O	000506-52-5	68
5		Cyclopentadecane	210	C15H30	000295-48-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011516\
 Data File : BF084523.D
 Acq On : 16 Jan 2016 6:44
 Operator : SJ/UM
 Sample : H1134-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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
2-Pentanone, 4-hy...	5.00	51.1 ng		4015540	1	6.82	1571590	20.0
unknown6.59	6.59	75.9 ng		5965640	1	6.82	1571590	20.0
Cyclopropane carb...	7.21	6.0 ng		473988	1	6.82	1571590	20.0
1-Methyldecahydro...	7.74	5.6 ng		962693	2	8.11	3458030	20.0
Naphthalene, deca...	8.01	5.0 ng		860778	2	8.11	3458030	20.0
cis, cis-2-Ethylb...	8.40	4.1 ng		715577	2	8.11	3458030	20.0
Cyclohexane, 1,2-...	8.56	4.3 ng		742881	2	8.11	3458030	20.0
Cyclononane, 1,1,...	9.28	11.9 ng		1691170	3	9.87	2847490	20.0
unknown9.32	9.32	5.0 ng		719112	3	9.87	2847490	20.0
1-Hexadecene	9.74	5.5 ng		777062	3	9.87	2847490	20.0
unknown9.78	9.78	6.3 ng		894877	3	9.87	2847490	20.0
Hexadecane	9.80	7.3 ng		1035230	3	9.87	2847490	20.0
trans-anti-trans-...	9.93	6.0 ng		859607	3	9.87	2847490	20.0
Heptadecane	10.77	16.3 ng		1689540	4	11.34	2072940	20.0
Octadecane	11.22	5.9 ng		613054	4	11.34	2072940	20.0
Octacosane	11.65	5.2 ng		537920	4	11.34	2072940	20.0
Tridecane, 1-iodo-	12.05	4.2 ng		432806	4	11.34	2072940	20.0
17-Pentatriacontene	13.85	6.0 ng		467099	5	13.99	1565000	20.0