

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091895.D
 Acq On : 22 Dec 2016 19:26
 Operator : UM/SJ
 Sample : H6068-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

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-BF122116.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	4.933	245	249	255	rBV	1866981	2743938	36.15%	1.878%
2	5.402	287	290	293	rBV	4862706	5608570	73.89%	3.839%
3	5.984	340	341	345	rVV3	75453	133407	1.76%	0.091%
4	6.053	345	347	348	rVV	77391	121281	1.60%	0.083%
5	6.076	348	349	355	rVB3	43960	116576	1.54%	0.080%
6	6.270	364	366	371	rBV	201842	270911	3.57%	0.185%
7	6.407	375	378	379	rBV	311382	401744	5.29%	0.275%
8	6.453	379	382	385	rVB	4867917	5856965	77.16%	4.009%
9	6.544	387	390	392	rVB	6105510	6481172	85.38%	4.436%
10	6.602	392	395	397	rVB2	86734	117224	1.54%	0.080%
11	6.682	397	402	404	rBV3	90960	275516	3.63%	0.189%
12	6.750	406	408	412	rVB	1499221	1640670	21.61%	1.123%
13	6.807	412	413	415	rBV2	88393	130449	1.72%	0.089%
14	6.853	415	417	418	rBV2	107111	163404	2.15%	0.112%
15	6.910	420	422	424	rBV	4128988	4011039	52.84%	2.745%
16	6.990	426	429	430	rBV3	98396	194359	2.56%	0.133%
17	7.025	430	432	434	rVB	402774	515455	6.79%	0.353%
18	7.139	437	442	444	rBV2	280141	701174	9.24%	0.480%
19	7.173	444	445	448	rVB3	229290	325827	4.29%	0.223%
20	7.230	448	450	452	rBV	113775	186179	2.45%	0.127%
21	7.276	452	454	455	rBV	364713	539631	7.11%	0.369%
22	7.322	455	458	460	rBV	2599132	2741843	36.12%	1.877%
23	7.402	462	465	467	rBV2	508395	796612	10.49%	0.545%
24	7.447	467	469	470	rBV	235922	290921	3.83%	0.199%
25	7.505	473	474	476	rBV	126873	157012	2.07%	0.107%
26	7.562	476	479	481	rVB2	791769	1169193	15.40%	0.800%
27	7.619	481	484	485	rBV2	350963	604720	7.97%	0.414%
28	7.642	485	486	487	rBV	176028	229214	3.02%	0.157%
29	7.676	487	489	491	rVB2	1079508	1174951	15.48%	0.804%
30	7.722	491	493	494	rBV2	167964	312225	4.11%	0.214%
31	7.756	494	496	497	rBV	194922	249980	3.29%	0.171%
32	7.802	497	500	503	rVB4	417348	811678	10.69%	0.556%
33	7.870	503	506	508	rBV3	751423	1255646	16.54%	0.859%
34	7.927	508	511	514	rBV2	1018327	1874836	24.70%	1.283%

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35	7.985	514	516	517 rBV	214749	362330	4.77%	0.248%
36	8.042	517	521	523 rBV	1743469	2529750	33.33%	1.732%
37	8.088	523	525	526 rBV	362176	565124	7.45%	0.387%
38	8.110	526	527	528 rVV	1035311	723794	9.54%	0.495%
39	8.213	533	536	537 rBV2	869560	1503668	19.81%	1.029%
40	8.248	537	539	541 rVB	1803128	1769491	23.31%	1.211%
41	8.328	543	546	548 rVB3	1128030	1599810	21.08%	1.095%
42	8.373	548	550	551 rBV	484486	882156	11.62%	0.604%
43	8.476	556	559	563 rBV2	4195377	5744361	75.68%	3.932%
44	8.545	563	565	567 rBV2	624133	670358	8.83%	0.459%
45	8.590	567	569	572 rBV	1370207	2164456	28.51%	1.481%
46	8.739	580	582	584 rVB2	1777980	2118112	27.90%	1.450%
47	8.785	584	586	587 rBV2	536066	883196	11.64%	0.605%
48	8.842	589	591	595 rVB3	847388	1708424	22.51%	1.169%
49	8.922	597	598	600 rBV2	499716	659984	8.69%	0.452%
50	9.082	609	612	613 rBV	4076458	6335014	83.46%	4.336%
51	9.128	613	616	617 rVB	3345221	4831401	63.65%	3.307%
52	9.162	617	619	620 rBV2	366341	490606	6.46%	0.336%
53	9.208	620	623	625 rVV2	1932041	3670594	48.36%	2.512%
54	9.253	625	627	628 rVV	1230820	1769381	23.31%	1.211%
55	9.322	631	633	635 rBV2	1002659	1185712	15.62%	0.812%
56	9.528	648	651	653 rBV2	3685405	5956292	78.47%	4.077%
57	9.630	657	660	662 rVB2	896052	1545491	20.36%	1.058%
58	9.676	662	664	665 rBV2	1102266	1422454	18.74%	0.974%
59	9.711	665	667	668 rBV	1554996	1308952	17.24%	0.896%
60	9.745	668	670	671 rBV2	356198	462695	6.10%	0.317%
61	9.791	671	674	676 rVB4	1209033	2497192	32.90%	1.709%
62	9.836	676	678	680 rBV2	378883	486363	6.41%	0.333%
63	9.905	683	684	686 rVB	929923	1214266	16.00%	0.831%
64	9.962	686	689	690 rBV2	929076	1579282	20.81%	1.081%
65	9.996	690	692	695 rVB2	1465199	2015551	26.55%	1.380%
66	10.065	695	698	699 rBV	1680175	1878062	24.74%	1.285%
67	10.122	701	703	705 rBV2	549374	847867	11.17%	0.580%
68	10.179	705	708	709 rBV3	749588	1403366	18.49%	0.961%
69	10.259	713	715	716 rBV	594072	831420	10.95%	0.569%
70	10.362	720	724	726 rBV5	770998	1907867	25.13%	1.306%
71	10.465	729	733	735 rBV	5061105	6948636	91.54%	4.756%

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72	10.499	735	736	739	rVB3	556122	786070	10.36%	0.538%
73	10.591	742	744	747	rVB2	1481935	1284318	16.92%	0.879%
74	10.728	753	756	759	rVB	6172535	7590602	100.00%	5.195%
75	10.785	759	761	764	rBV4	506788	1013309	13.35%	0.694%
76	10.933	772	774	777	rVB2	1418896	1874170	24.69%	1.283%
77	11.185	794	796	799	rVB	4610421	6366695	83.88%	4.358%
78	11.242	799	801	802	rBV2	278027	294950	3.89%	0.202%
79	11.276	802	804	809	rVV2	921651	1722620	22.69%	1.179%
80	11.539	824	827	828	rVB	1039526	1454527	19.16%	0.996%
81	12.259	888	890	893	rVB	630325	953922	12.57%	0.653%
82	12.477	907	909	911	rVB3	282289	299380	3.94%	0.205%
83	12.865	940	943	945	rVB	3055362	3731733	49.16%	2.554%
84	13.757	1020	1021	1026	rVB	158309	239443	3.15%	0.164%
85	13.905	1031	1034	1036	rBV	980124	961331	12.66%	0.658%
86	15.300	1153	1156	1159	rBV	629166	849553	11.19%	0.581%

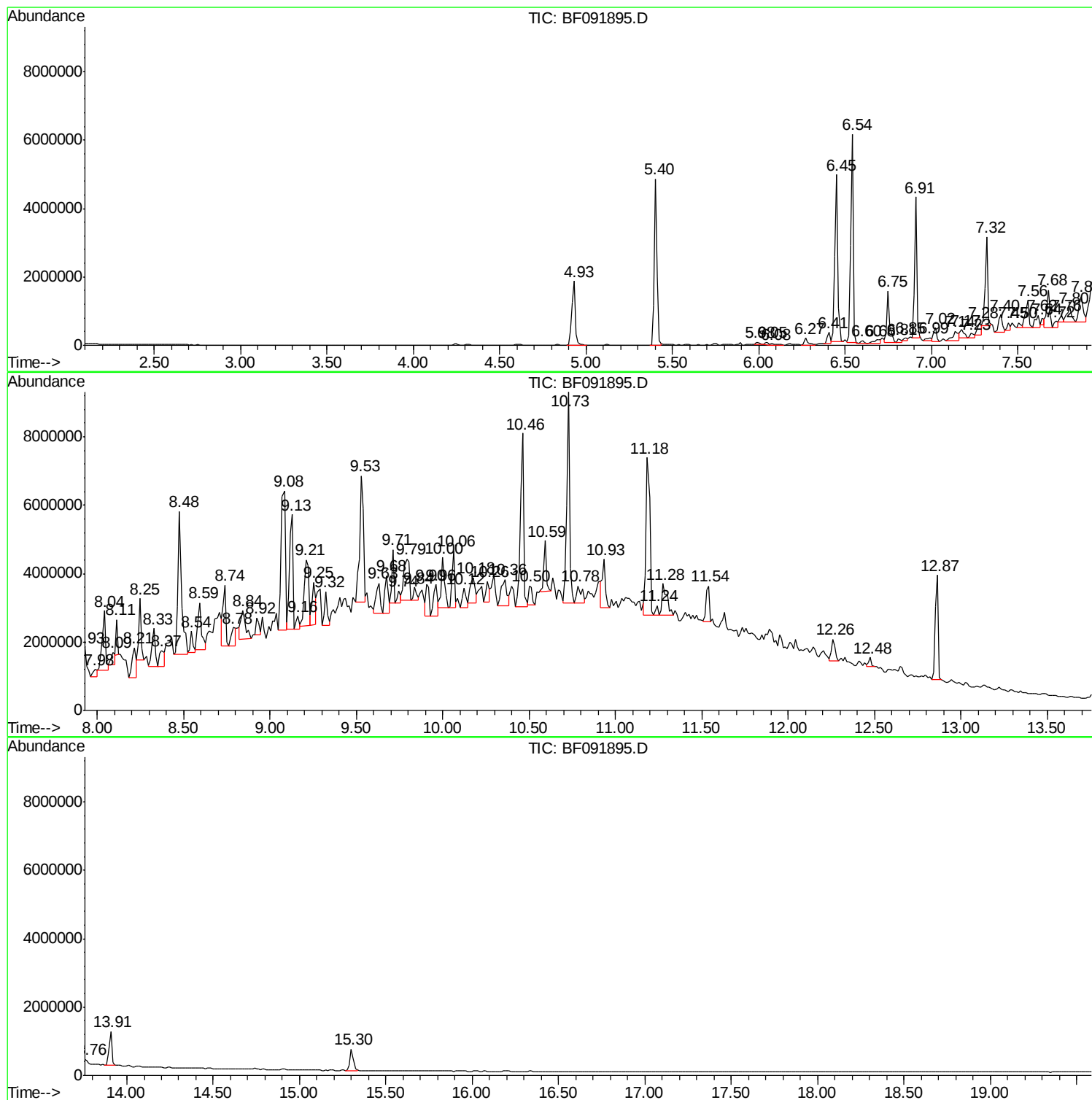
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BNA_F
ClientSampled :
B-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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Sample : H6068-04
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Instrument :
BNA_F
ClientSampleId :
B-4

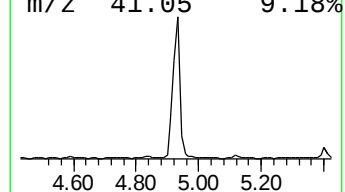
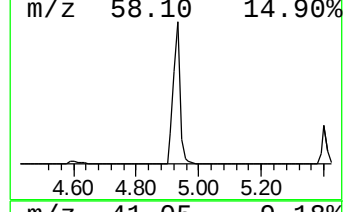
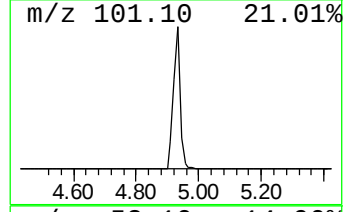
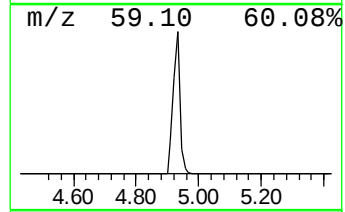
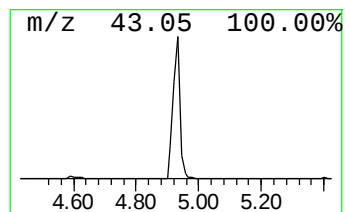
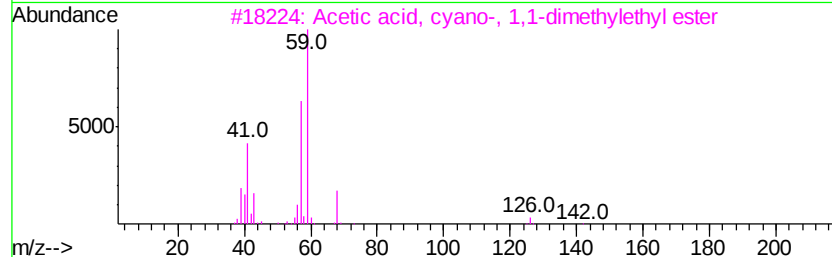
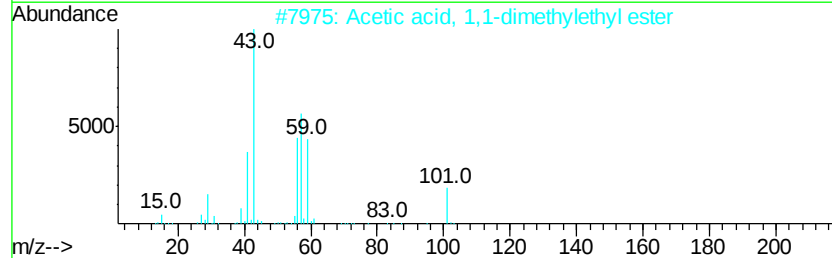
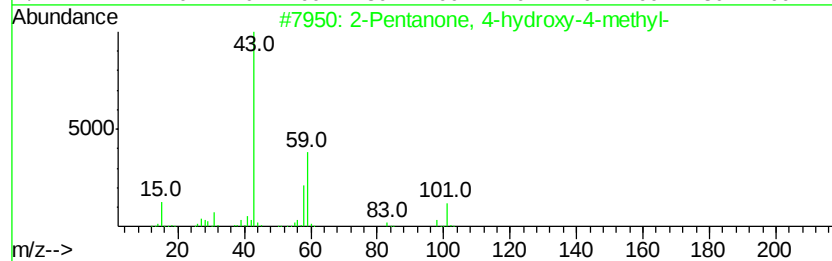
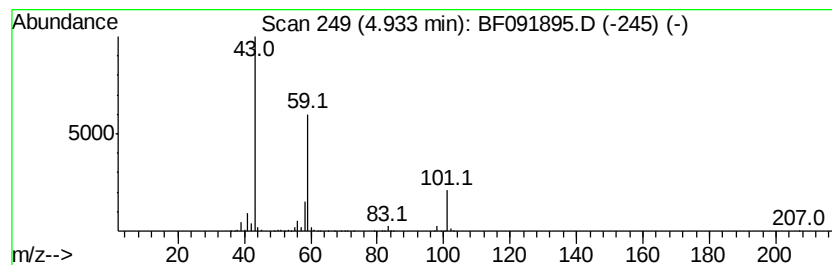
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	33.45 ng	2743940	1,4-Dichlorobenzene-d4	6.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39		
3	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17		
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		



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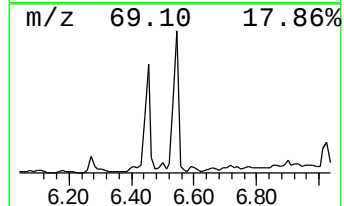
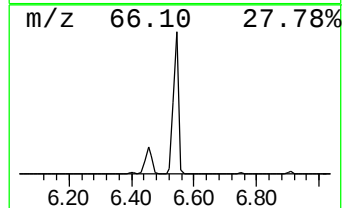
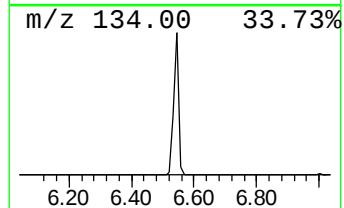
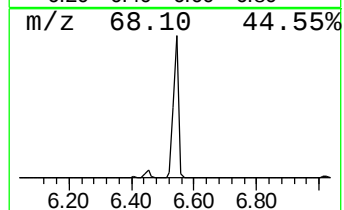
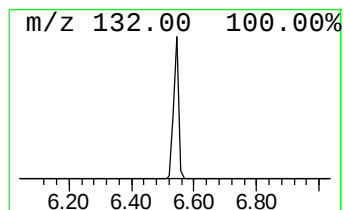
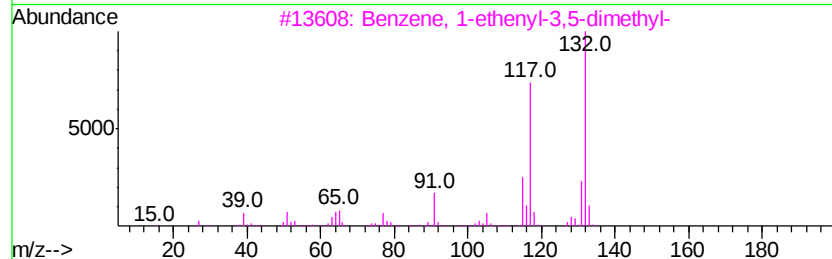
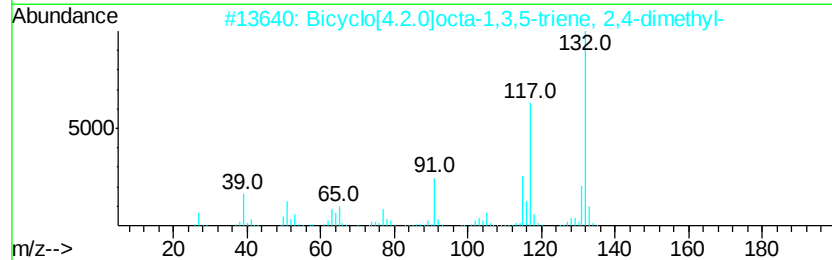
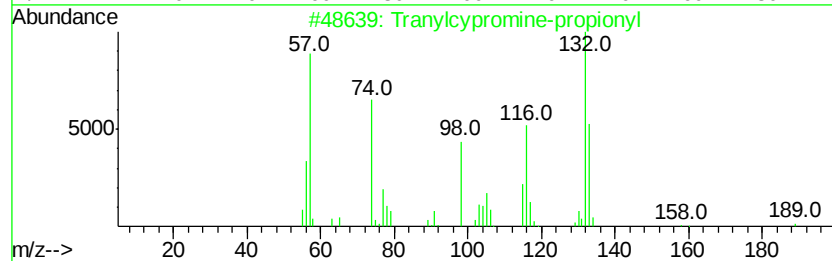
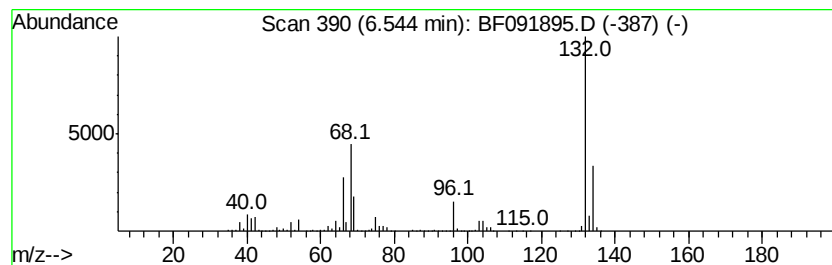
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.54 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	79.01 ng	6481170	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	10
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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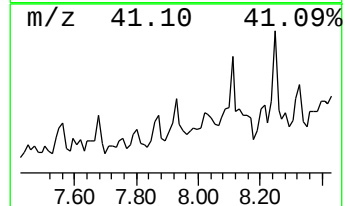
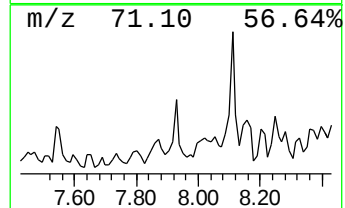
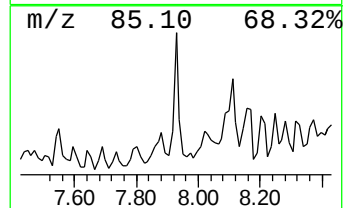
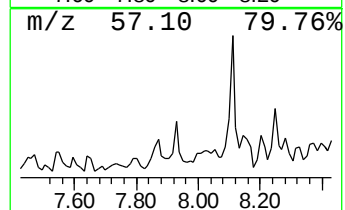
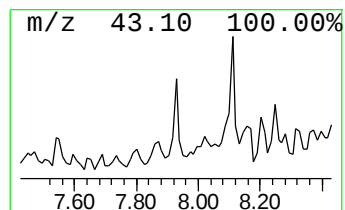
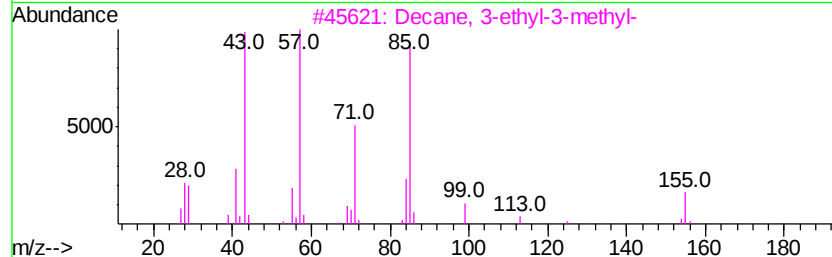
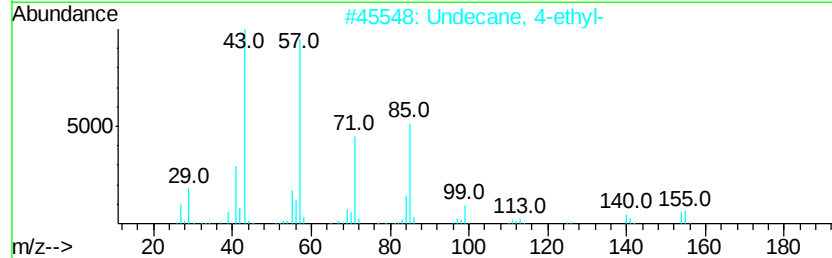
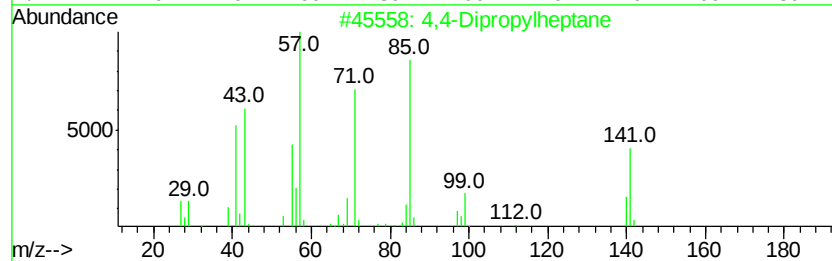
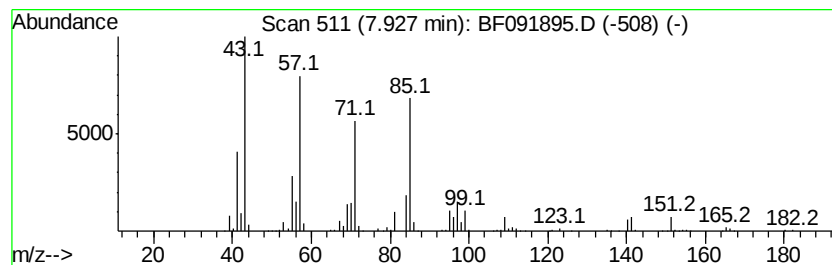
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4,4-Dipropylheptane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	14.82 ng	1874840	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dipropylheptane	184	C13H28	017312-72-0	59
2		Undecane, 4-ethyl-	184	C13H28	017312-59-3	53
3		Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	50
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	50
5		Tetradecane, 5-methyl-	212	C15H32	025117-32-2	50



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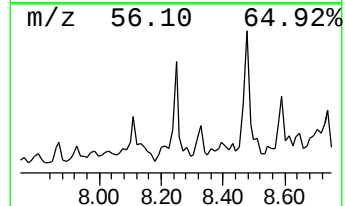
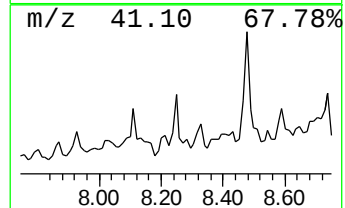
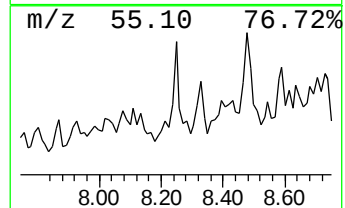
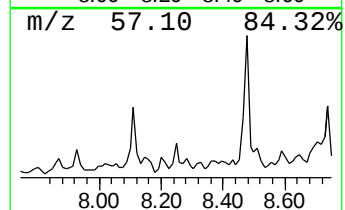
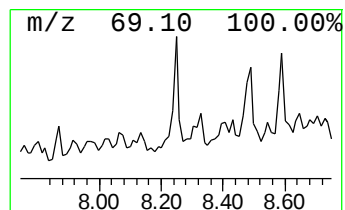
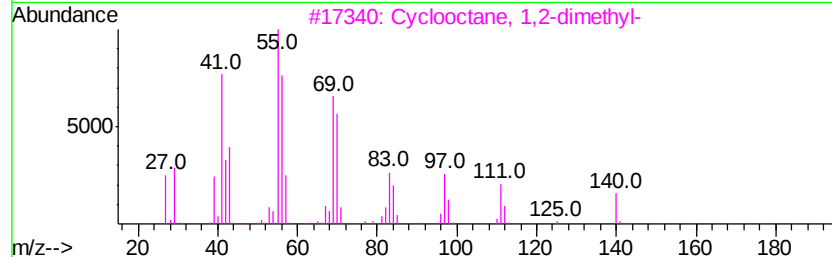
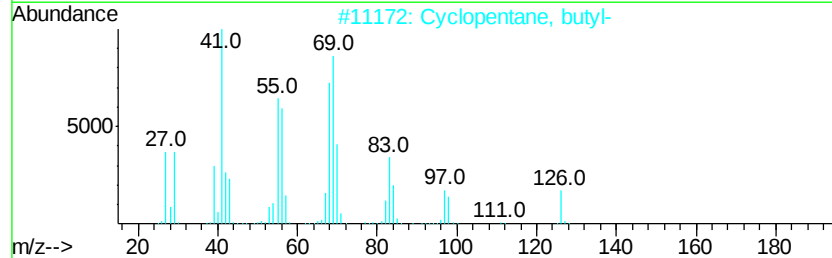
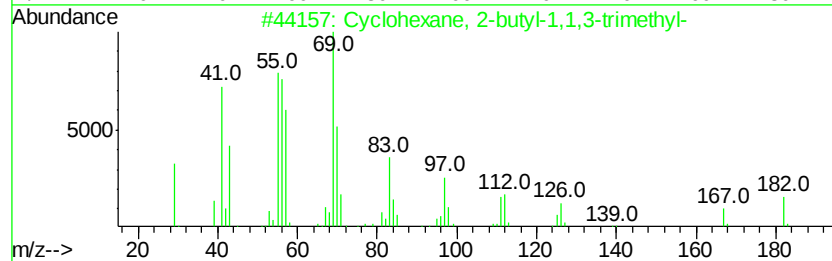
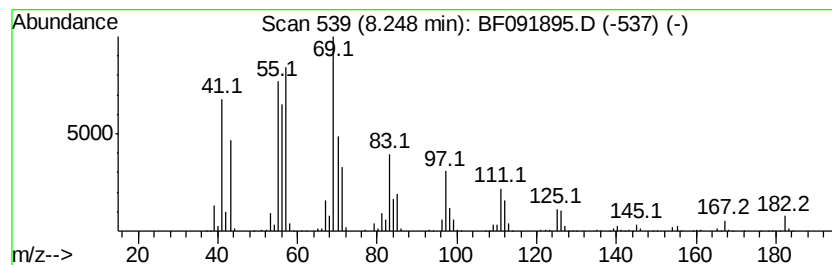
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	13.99 ng	1769490	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	96
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	74
3		Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	55
4		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
5		Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

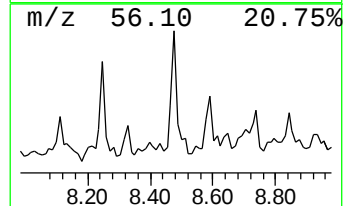
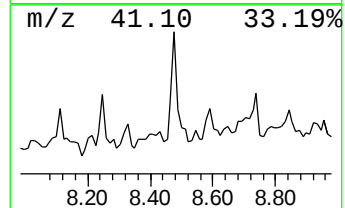
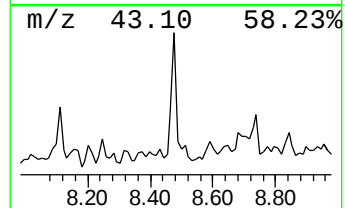
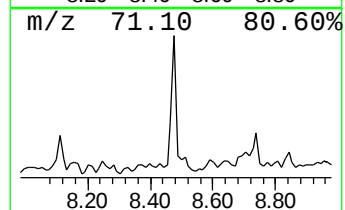
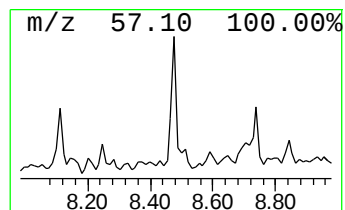
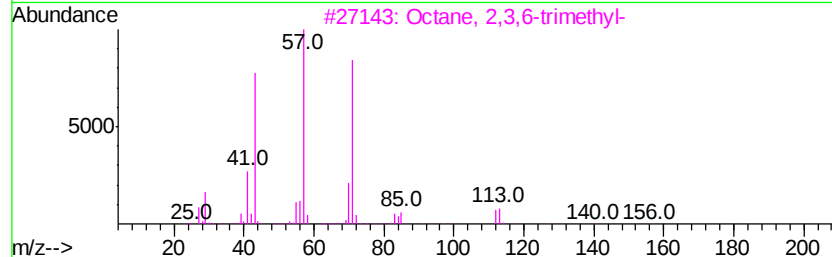
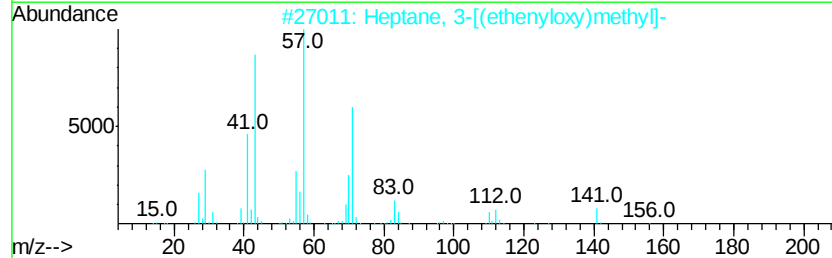
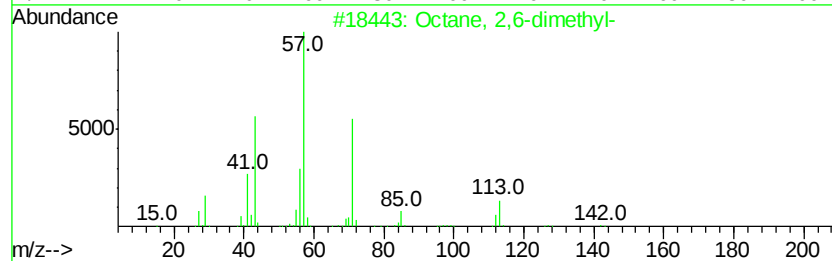
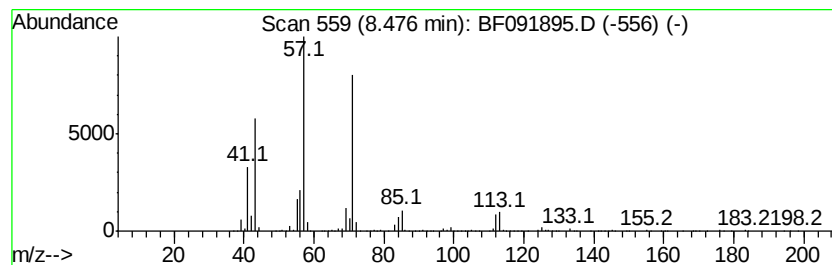
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	45.41 ng	5744360	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2		Heptane, 3-[(ethenyl)oxy]methyl-	156	C10H20O	000103-44-6	72
3		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5		2-Bromo-6-methylheptane	192	C8H17Br	004730-24-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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Acq On : 22 Dec 2016 19:26
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampled :
B-4

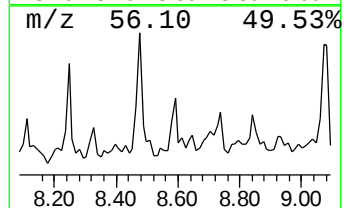
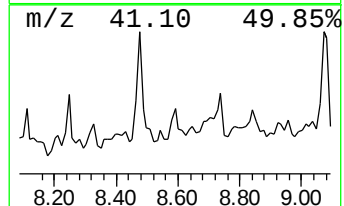
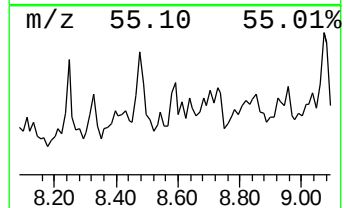
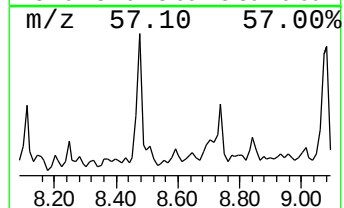
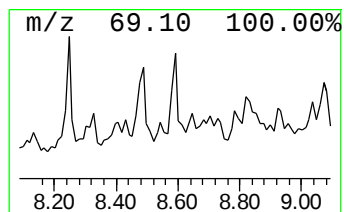
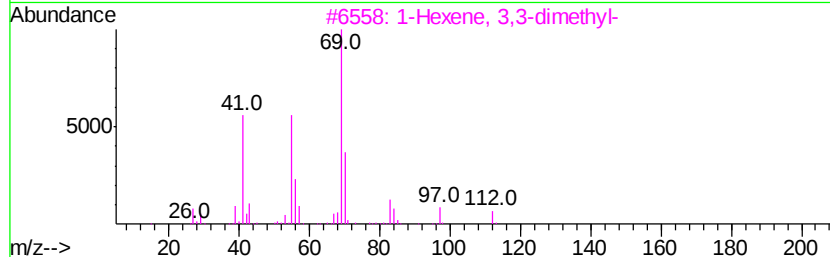
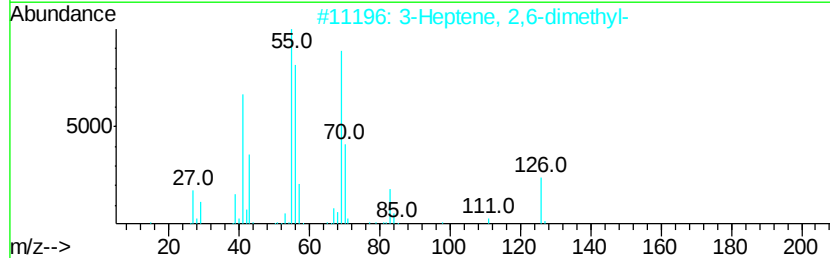
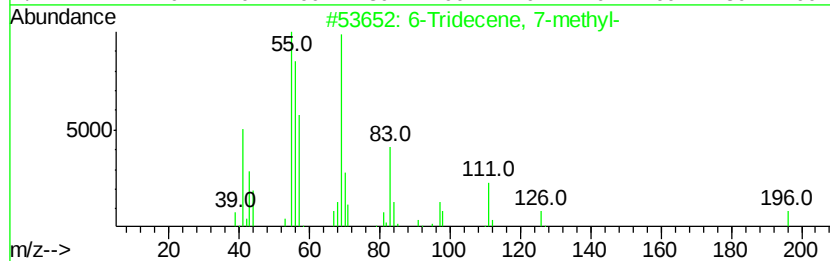
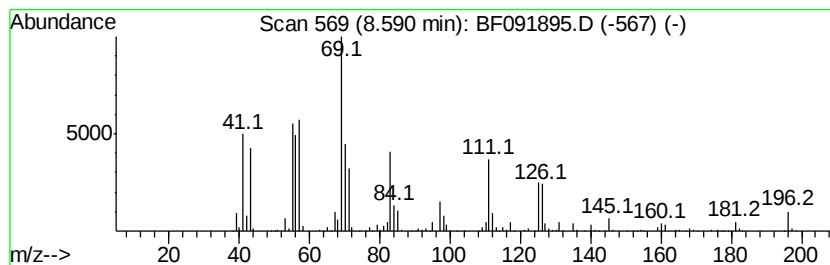
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 6-Tridecene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	17.11 ng	2164460	Napthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	74
2		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	58
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	55
4		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	45
5		Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

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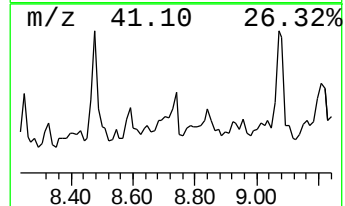
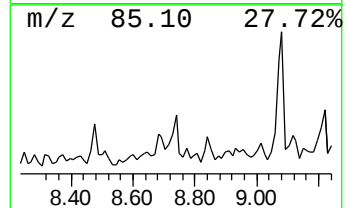
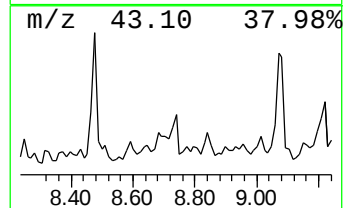
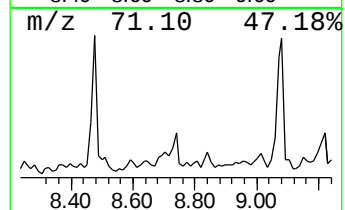
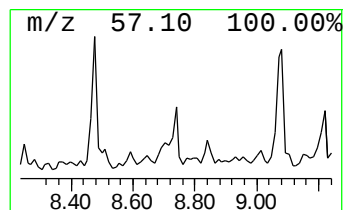
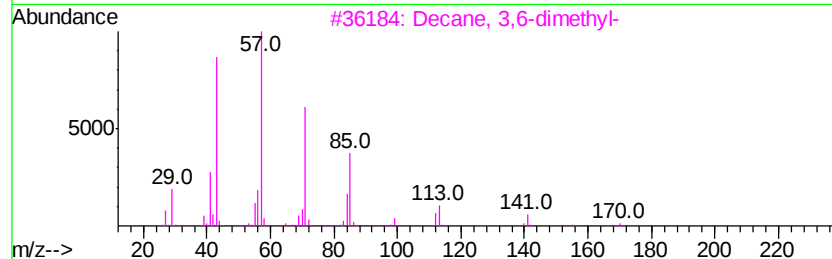
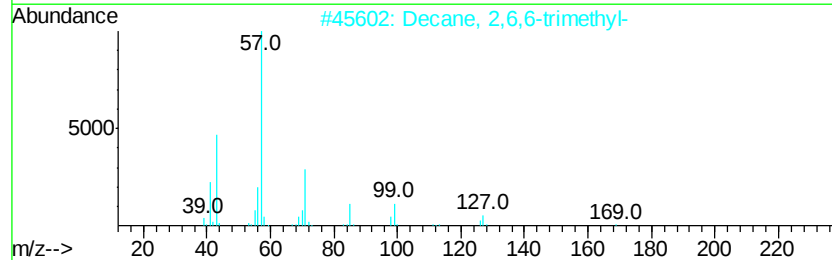
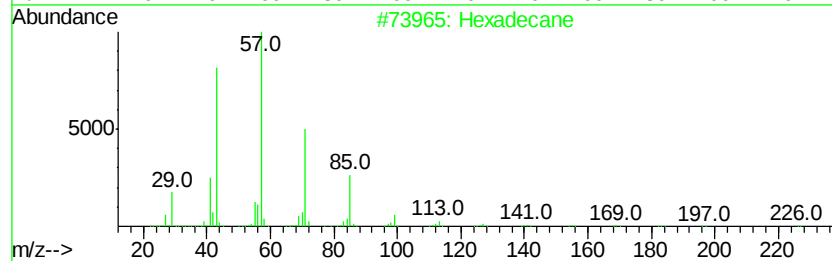
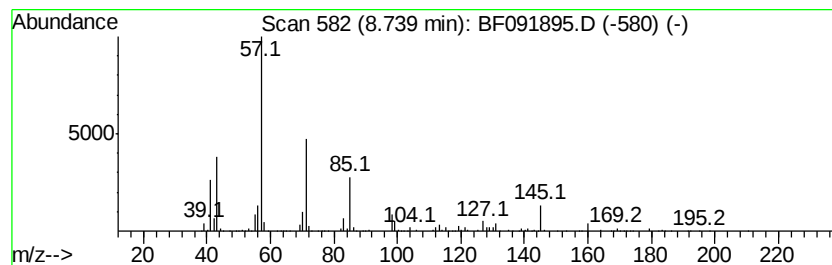
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	16.75 ng	2118110	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	64
2		Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	53
3		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	53
4		Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	52
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
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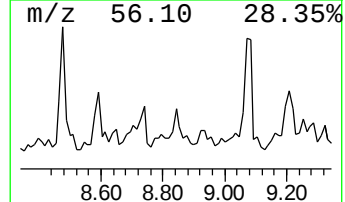
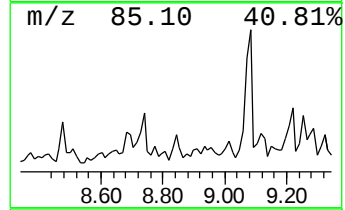
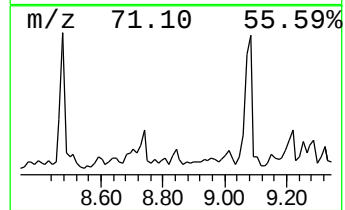
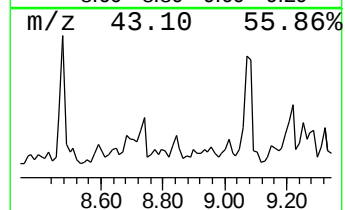
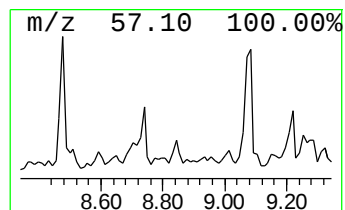
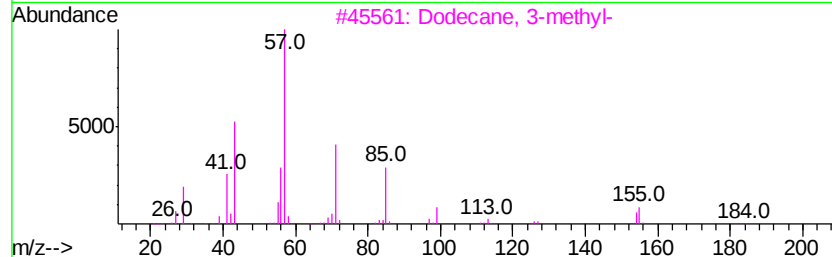
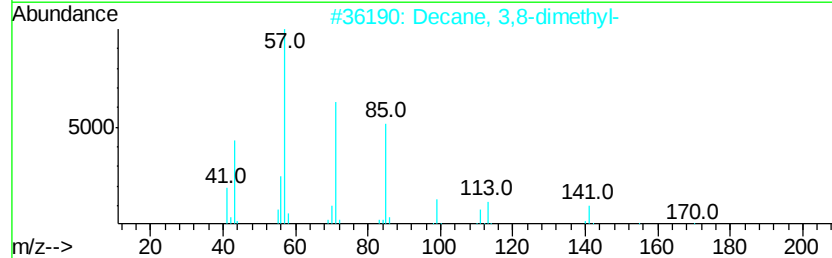
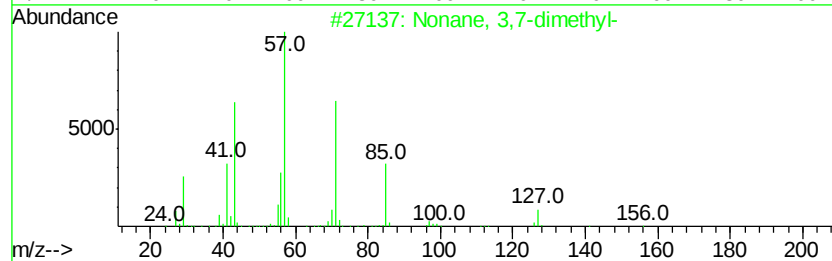
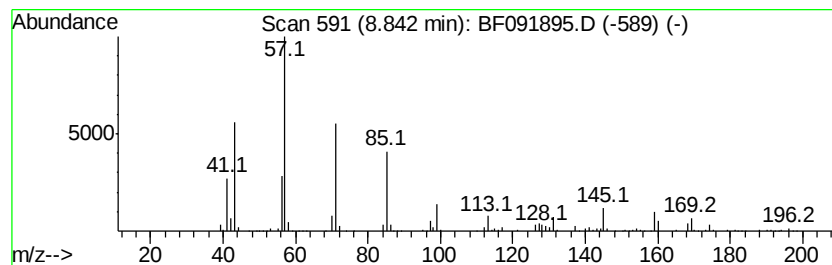
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Nonane, 3,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	13.51 ng	1708420	Naphthalene-d8	8.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	76
2	Decane, 3,8-dimethyl-	170 C12H26	017312-55-9	64
3	Dodecane, 3-methyl-	184 C13H28	017312-57-1	64
4	Decane	142 C10H22	000124-18-5	64
5	Decane, 3-methyl-	156 C11H24	013151-34-3	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
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Sample : H6068-04
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-4

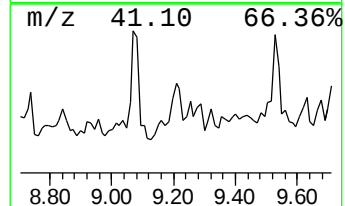
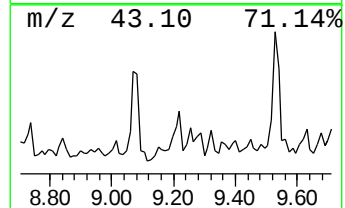
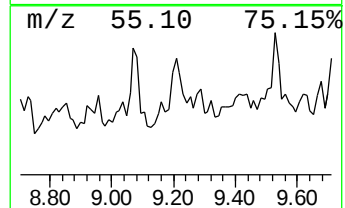
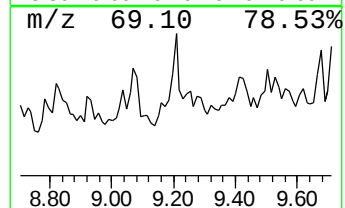
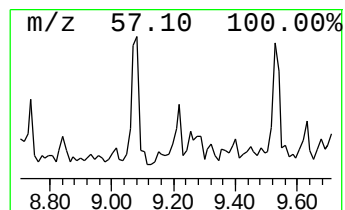
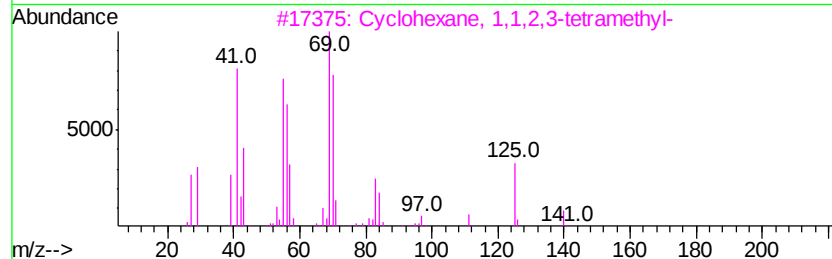
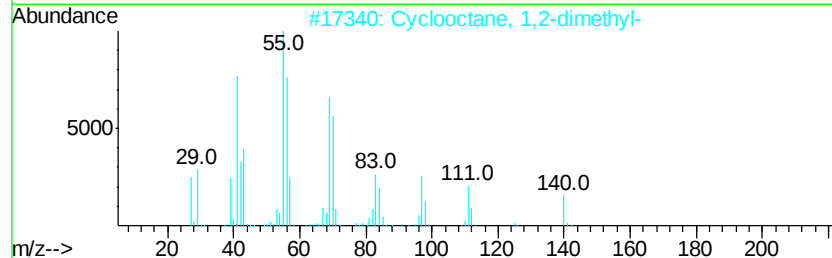
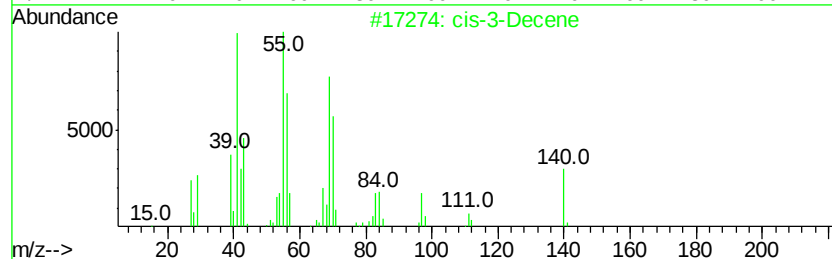
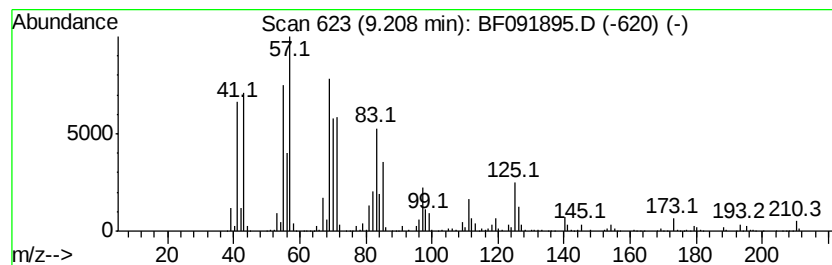
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 cis-3-Decene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	29.40 ng	3670590	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-3-Decene	140	C10H20	019398-86-8	64
2		Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	52
3		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	52
4		3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	46
5		Cyclopentadecane	210	C15H30	000295-48-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
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Instrument :
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ClientSampleId :
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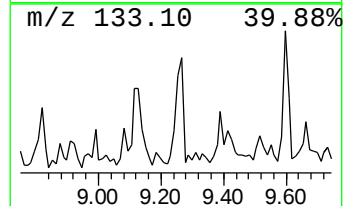
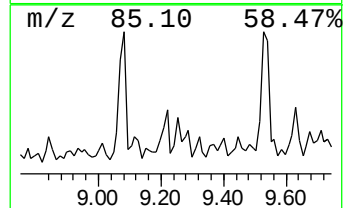
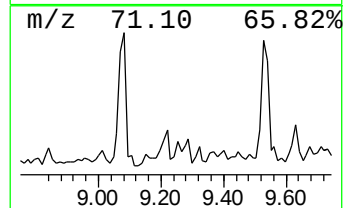
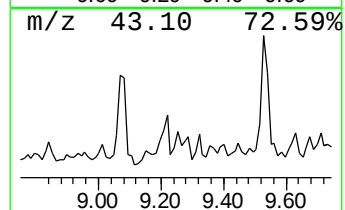
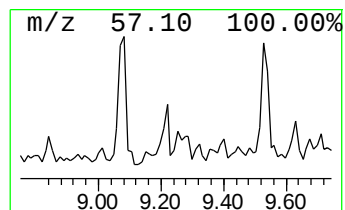
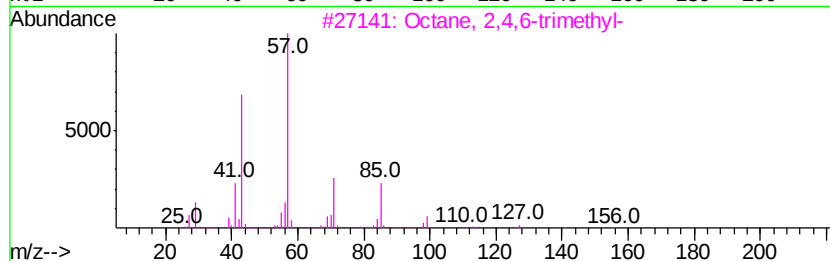
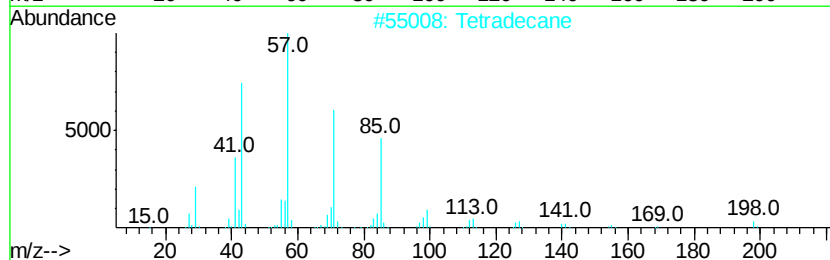
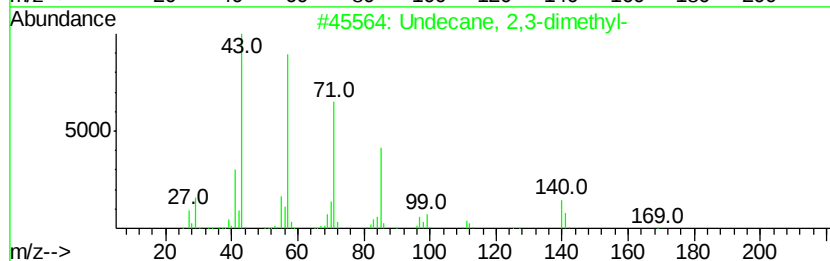
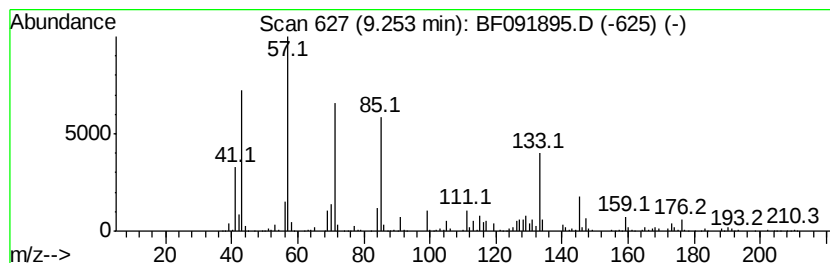
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	14.17 ng	1769380	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	52
2		Tetradecane	198	C14H30	000629-59-4	49
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47
4		Eicosane	282	C20H42	000112-95-8	43
5		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

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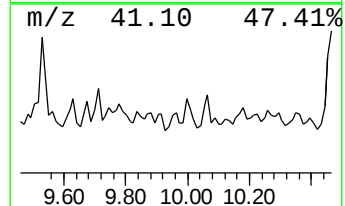
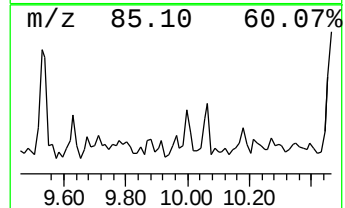
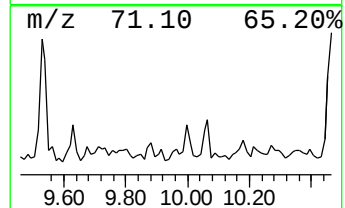
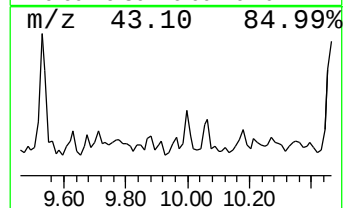
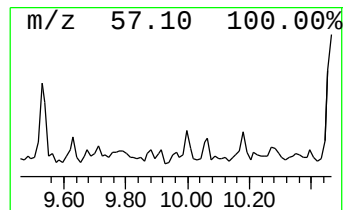
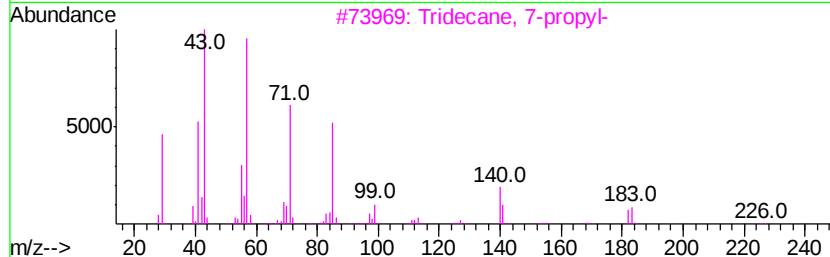
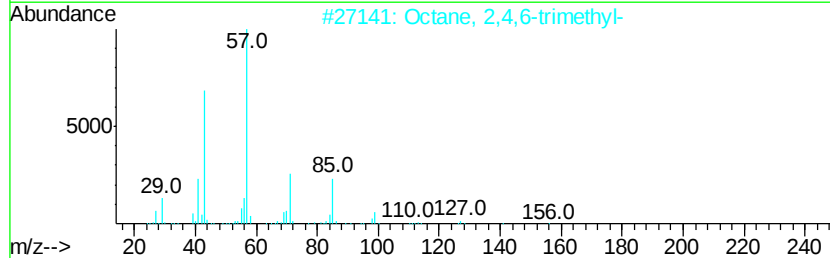
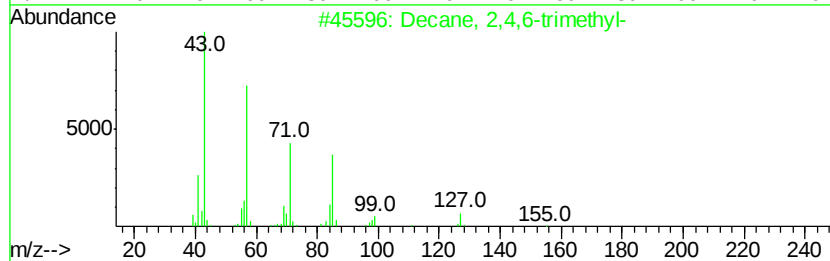
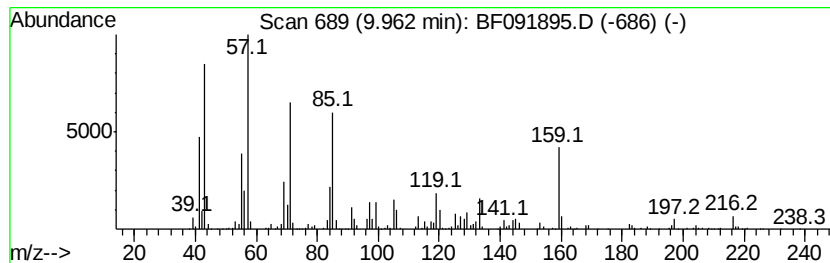
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.96 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	12.65 ng	1579280	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	46
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43
3		Tridecane, 7-propyl-	226	C16H34	055045-09-5	41
4		10-Methylnonadecane	282	C20H42	056862-62-5	38
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

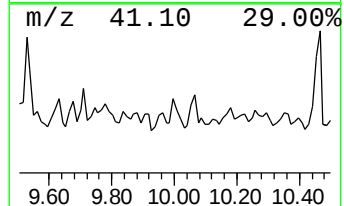
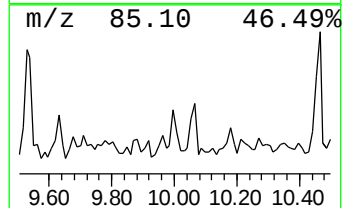
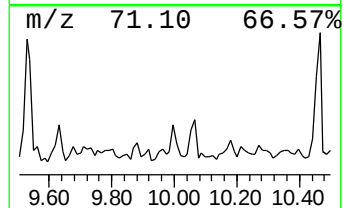
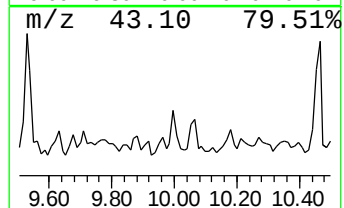
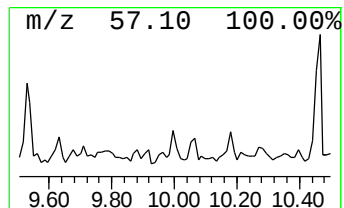
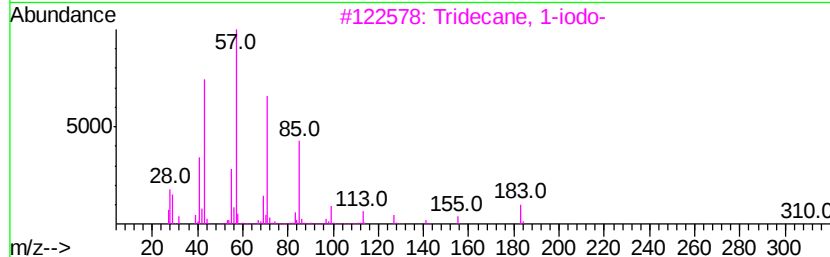
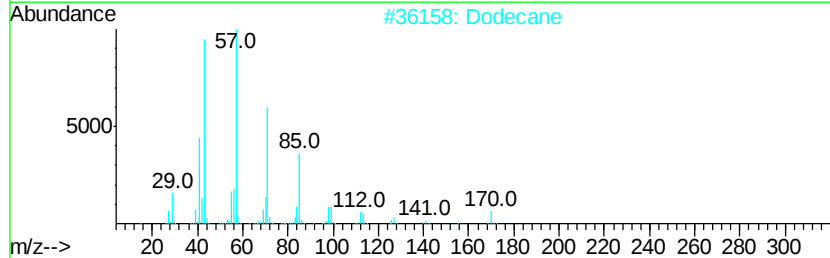
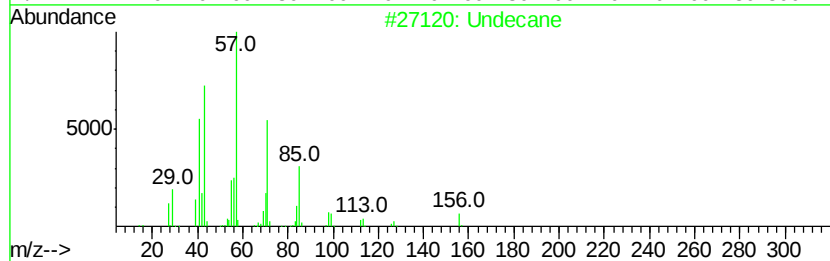
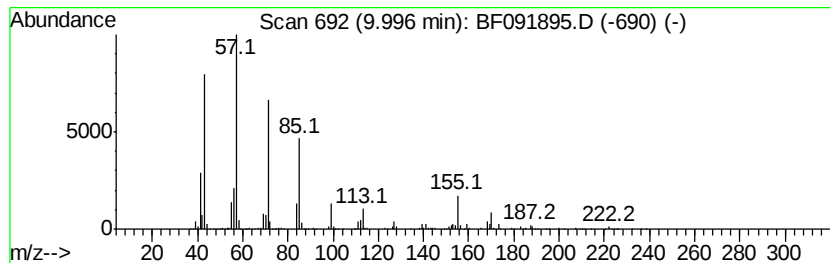
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Undecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	16.14 ng	2015550	Acenaphthene-d10	9.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane		156 C11H24	001120-21-4 87
2	Dodecane		170 C12H26	000112-40-3 87
3	Tridecane, 1-iodo-		310 C13H27I	035599-77-0 64
4	Octane, 2-methyl-		128 C9H20	003221-61-2 64
5	Heptane, 2,6-dimethyl-		128 C9H20	001072-05-5 62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

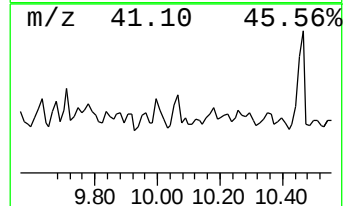
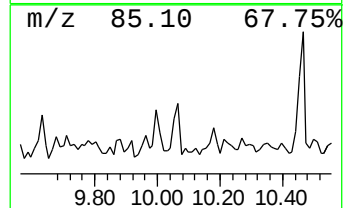
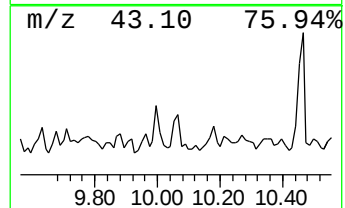
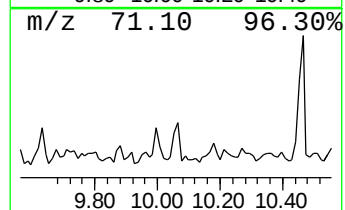
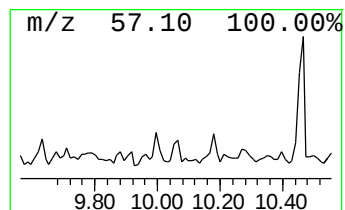
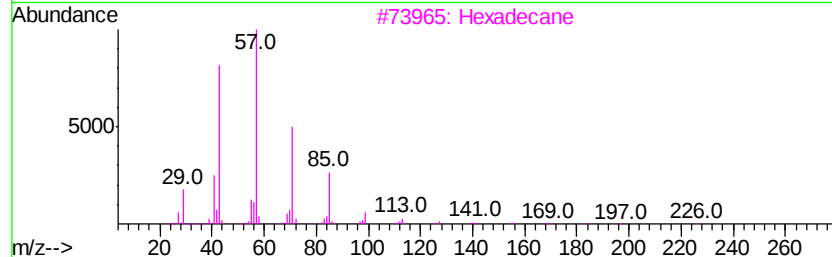
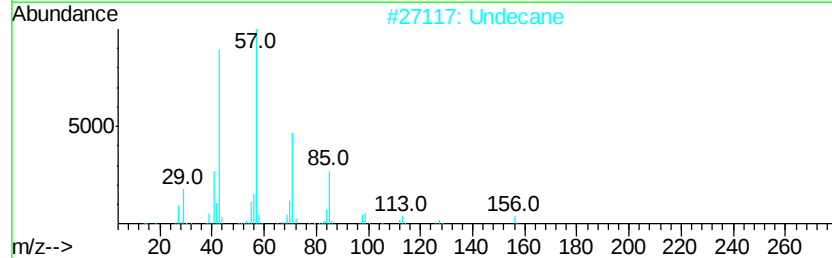
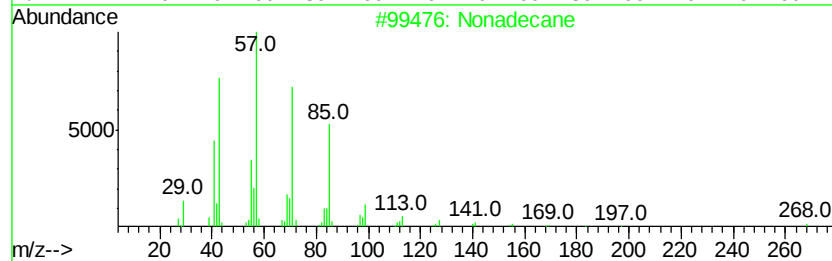
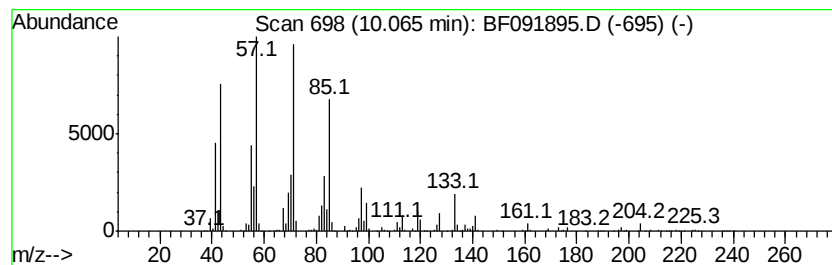
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	15.04 ng	1878060	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	58
2		Undecane	156	C11H24	001120-21-4	50
3		Hexadecane	226	C16H34	000544-76-3	50
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	47
5		1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

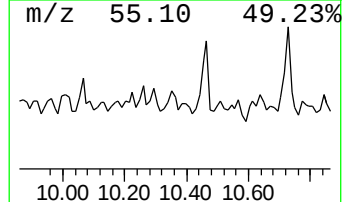
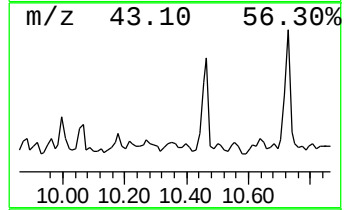
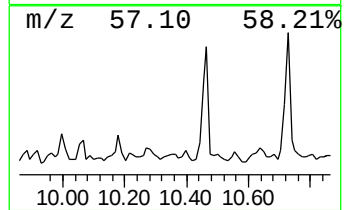
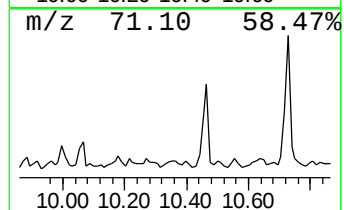
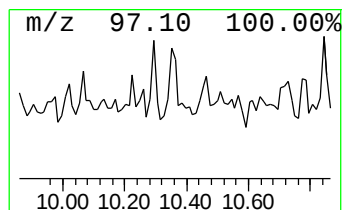
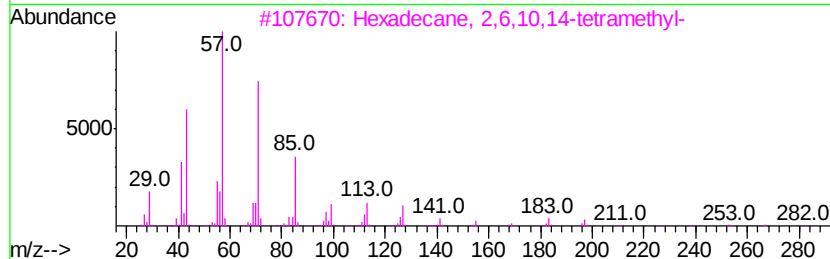
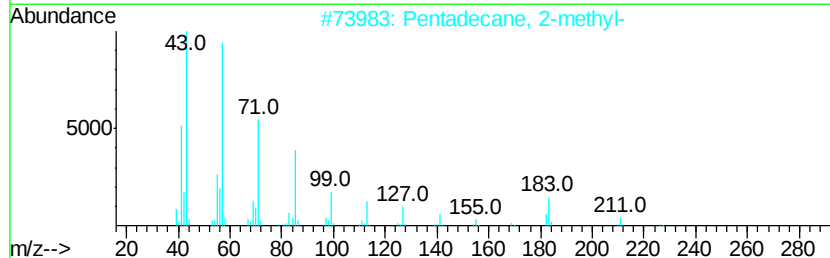
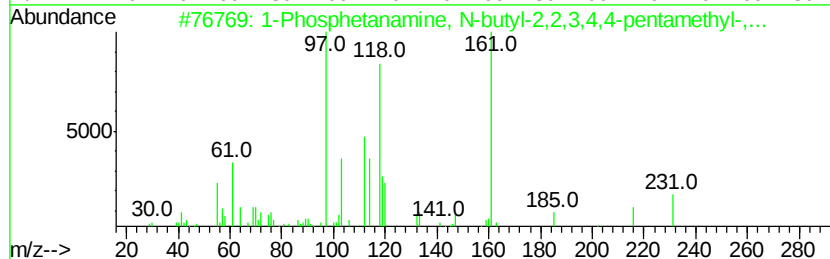
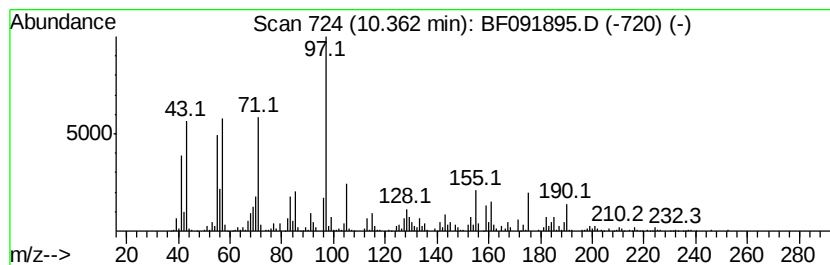
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown10.36 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	15.28 ng	1907870	Acenaphthene-d10	9.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Phosphetanamine, N-butyl-2,2,3...	231 C12H26NOP	050377-92-9 30
2		Pentadecane, 2-methyl-	226 C16H34	001560-93-6 15
3		Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8 14
4		Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4 11
5		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
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Acq On : 22 Dec 2016 19:26
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Sample : H6068-04
Misc :
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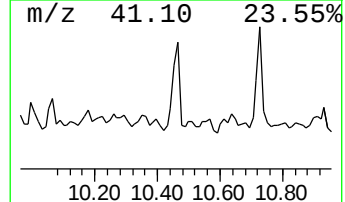
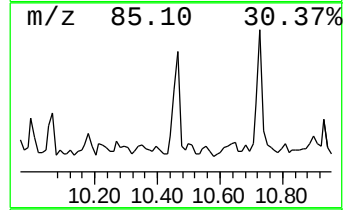
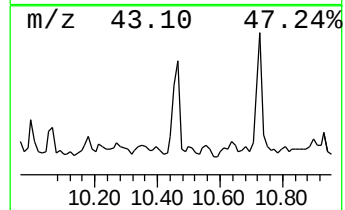
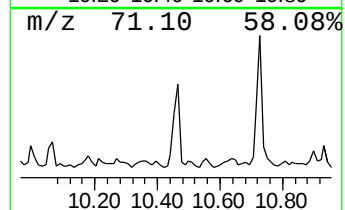
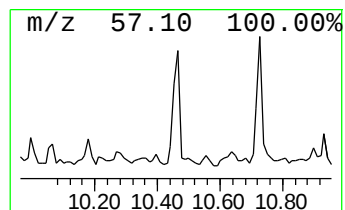
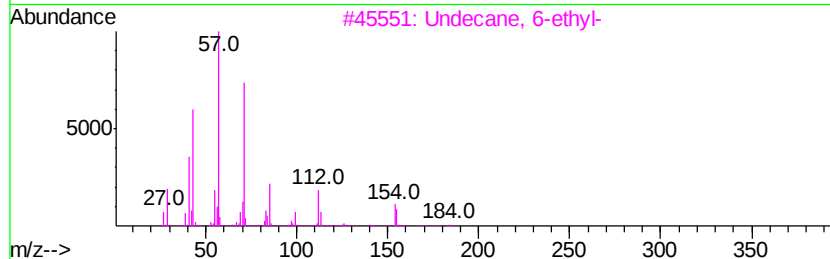
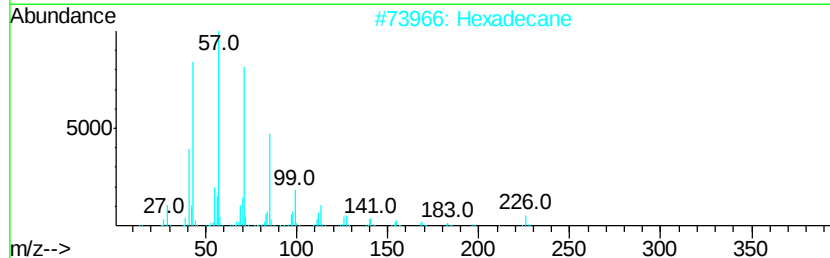
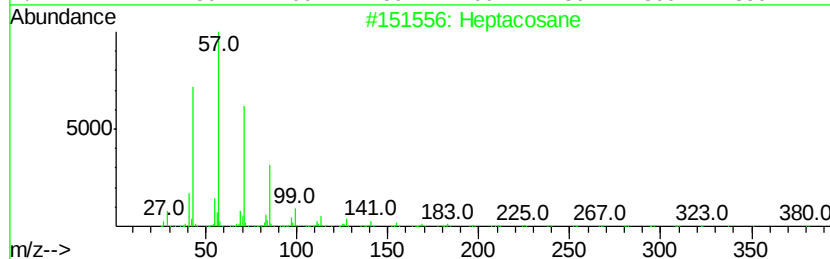
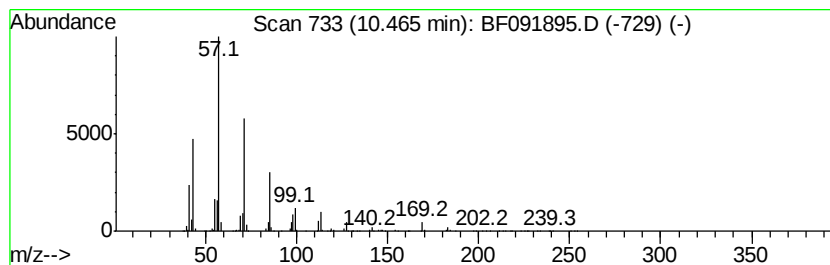
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.46	55.65 ng	6948640	Acenaphthene-d10	9.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	62
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

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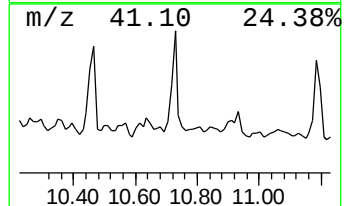
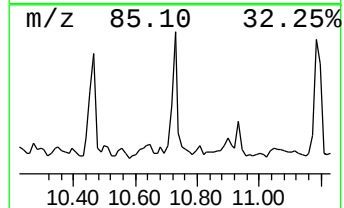
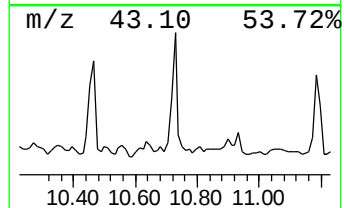
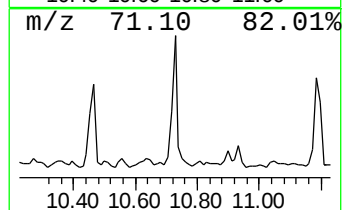
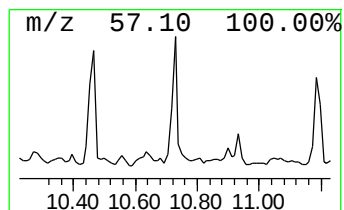
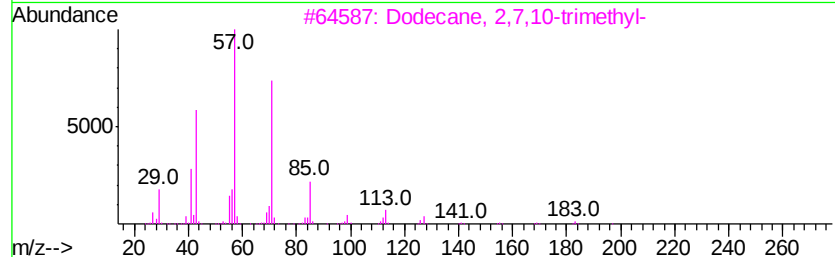
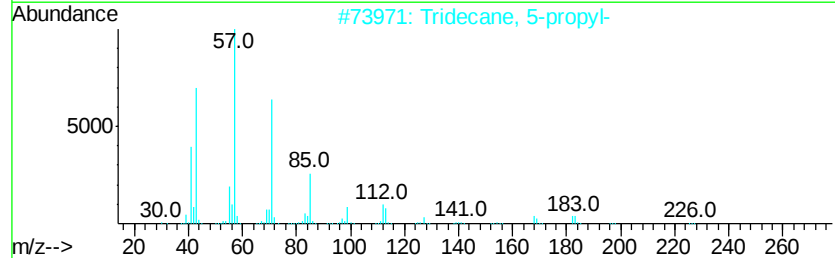
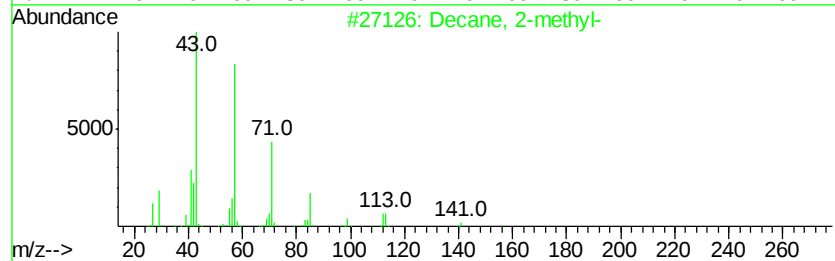
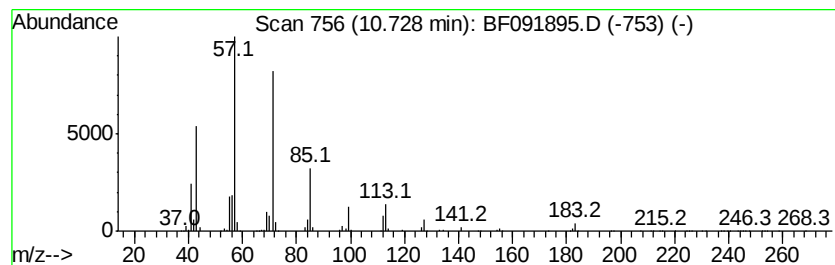
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Decane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	88.13 ng	7590600	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	86
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
4		Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
5		Nonadecane	268	C19H40	000629-92-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
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Misc :
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ClientSampleId :
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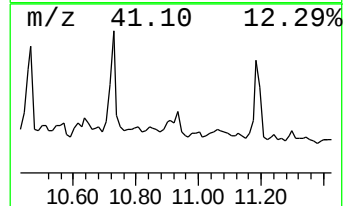
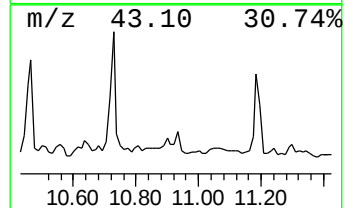
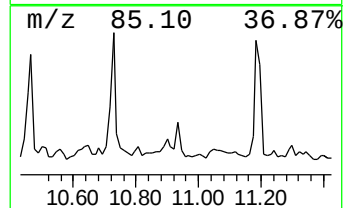
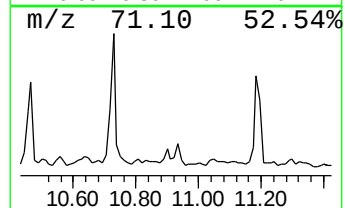
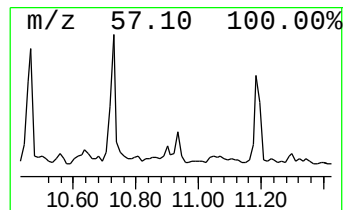
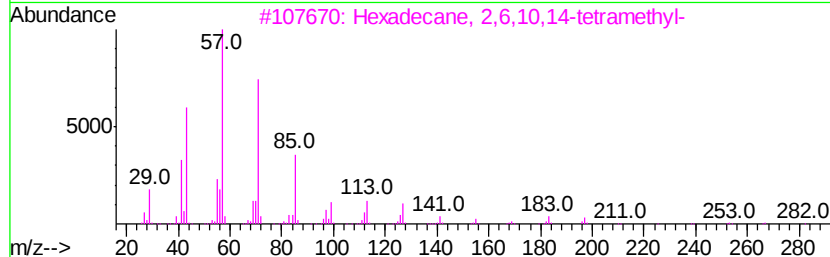
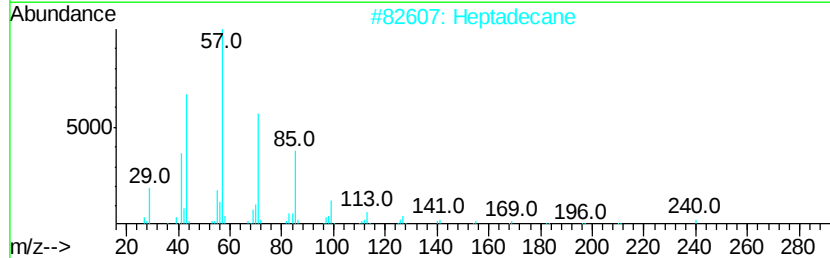
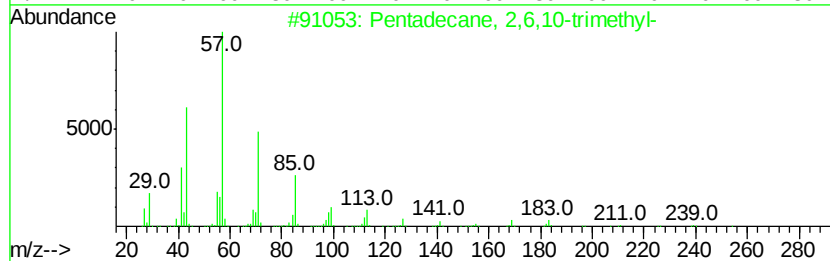
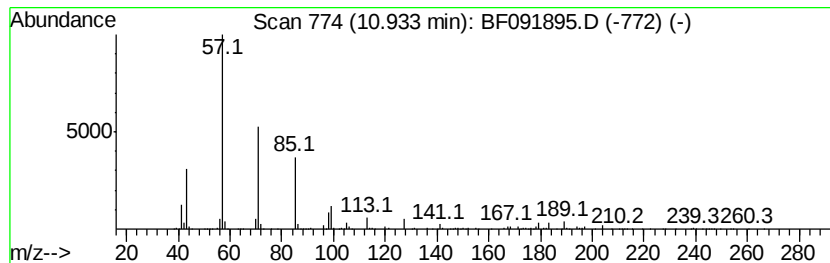
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	21.76 ng	1874170	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
2		Heptadecane	240	C17H36	000629-78-7	80
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
4		Tetratetracontane	619	C44H90	007098-22-8	72
5		Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

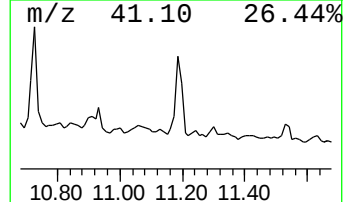
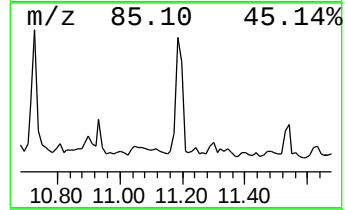
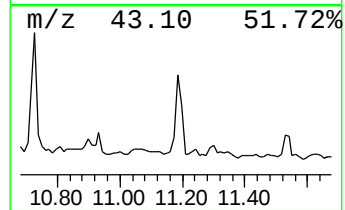
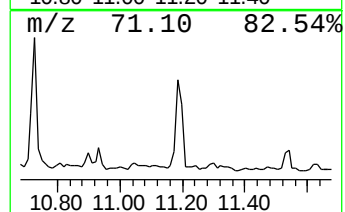
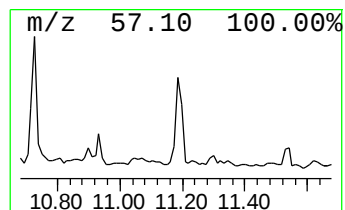
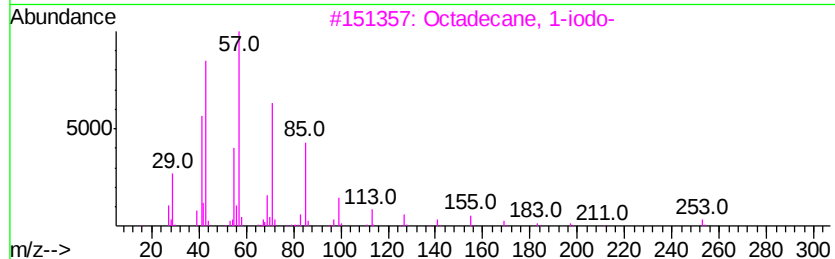
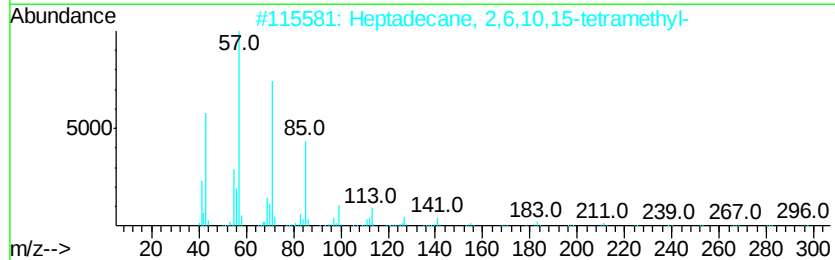
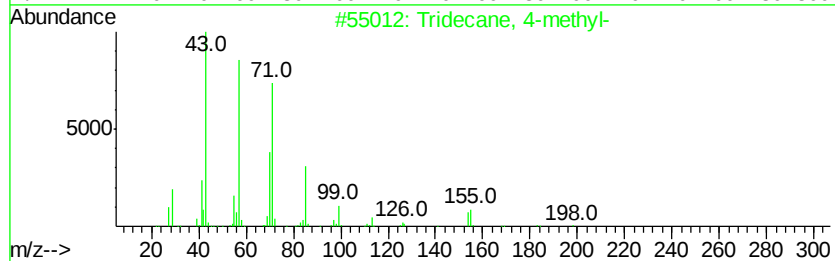
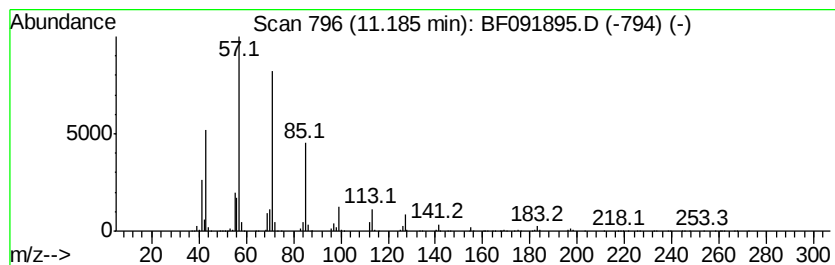
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	73.92 ng	6366700	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	91
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5		Decane, 5-propyl-	184	C13H28	017312-62-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091895.D
Acq On : 22 Dec 2016 19:26
Operator : UM/SJ
Sample : H6068-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

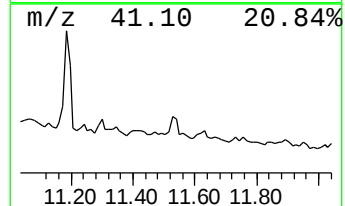
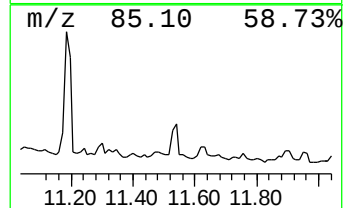
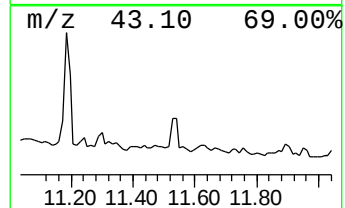
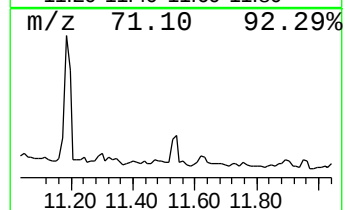
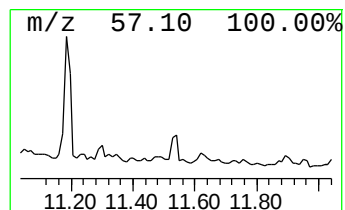
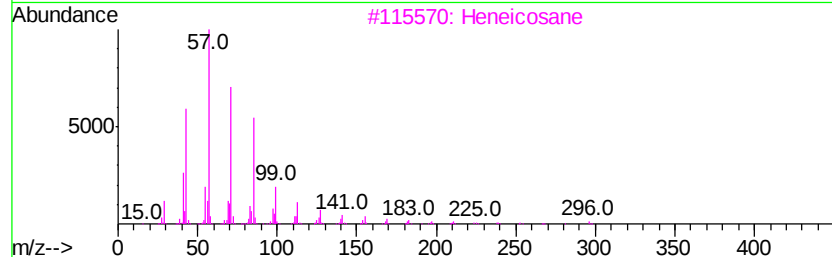
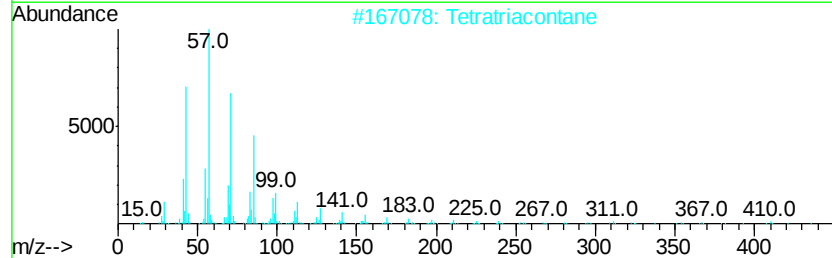
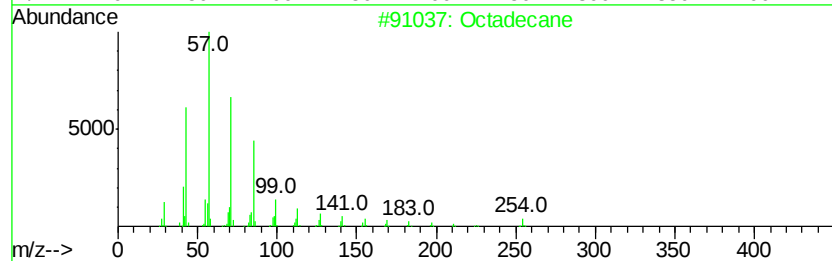
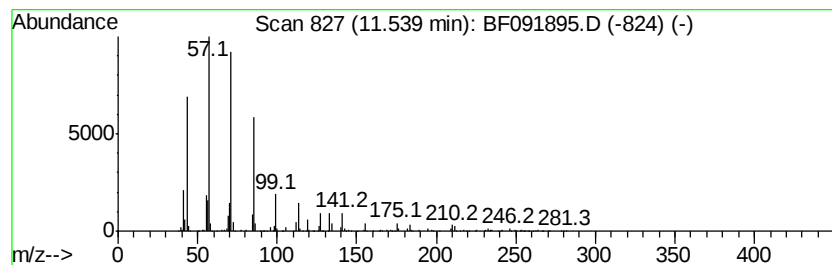
Instrument :
BNA_F
ClientSampleId :
B-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.54	16.89 ng	1454530	Phenanthrene-d10		11.28
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	87
2	Tetratriacontane	479	C34H70	014167-59-0	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091895.D
 Acq On : 22 Dec 2016 19:26
 Operator : UM/SJ
 Sample : H6068-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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...	4.93	33.5	ng	2743940	1	6.75	1640670	20.0
unknown6.54	6.54	79.0	ng	6481170	1	6.75	1640670	20.0
4,4-Dipropylheptane	7.93	14.8	ng	1874840	2	8.04	2529750	20.0
Cyclohexane, 2-bu...	8.25	14.0	ng	1769490	2	8.04	2529750	20.0
Octane, 2,6-dimet...	8.48	45.4	ng	5744360	2	8.04	2529750	20.0
6-Tridecene, 7-me...	8.59	17.1	ng	2164460	2	8.04	2529750	20.0
Hexadecane	8.74	16.8	ng	2118110	2	8.04	2529750	20.0
Nonane, 3,7-dimet...	8.84	13.5	ng	1708420	2	8.04	2529750	20.0
cis-3-Decene	9.21	29.4	ng	3670590	3	9.80	2497190	20.0
Undecane, 2,3-dim...	9.25	14.2	ng	1769380	3	9.80	2497190	20.0
unknown9.96	9.96	12.7	ng	1579280	3	9.80	2497190	20.0
Undecane	10.00	16.1	ng	2015550	3	9.80	2497190	20.0
Nonadecane	10.06	15.0	ng	1878060	3	9.80	2497190	20.0
unknown10.36	10.36	15.3	ng	1907870	3	9.80	2497190	20.0
Heptacosane	10.46	55.6	ng	6948640	3	9.80	2497190	20.0
Decane, 2-methyl-	10.73	88.1	ng	7590600	4	11.28	1722620	20.0
Pentadecane, 2,6,...	10.93	21.8	ng	1874170	4	11.28	1722620	20.0
Tridecane, 4-methyl-	11.18	73.9	ng	6366700	4	11.28	1722620	20.0
Octadecane	11.54	16.9	ng	1454530	4	11.28	1722620	20.0