

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081257.D
 Acq On : 28 Aug 2015 2:11
 Operator : UM/IZ
 Sample : G3430-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1(7-9)

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-BF081715.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	4.617	247	252	258	rBV	726451	1521628	23.85%	1.701%
2	5.074	289	292	294	rBV	1633625	1779475	27.89%	1.989%
3	5.474	321	327	331	rBV3	50920	147557	2.31%	0.165%
4	5.691	343	346	348	rBV2	45571	92381	1.45%	0.103%
5	5.749	348	351	353	rVB2	67003	93896	1.47%	0.105%
6	5.851	358	360	363	rVB2	38955	65474	1.03%	0.073%
7	5.954	367	369	373	rVB2	59102	72816	1.14%	0.081%
8	6.023	373	375	378	rBV2	335109	525520	8.24%	0.587%
9	6.103	381	382	384	rBV	43726	75913	1.19%	0.085%
10	6.160	384	387	389	rBV	1539126	1835175	28.76%	2.051%
11	6.194	389	390	393	rVB2	117957	148391	2.33%	0.166%
12	6.274	393	397	399	rBV	1896147	2129336	33.38%	2.380%
13	6.354	402	404	406	rVB2	78054	80001	1.25%	0.089%
14	6.412	406	409	410	rBV3	58193	101196	1.59%	0.113%
15	6.469	410	414	416	rBV4	158862	361704	5.67%	0.404%
16	6.503	416	417	421	rVB	405231	510555	8.00%	0.571%
17	6.572	421	423	424	rBV2	86986	140474	2.20%	0.157%
18	6.594	424	425	427	rVB2	145393	167796	2.63%	0.188%
19	6.663	427	431	433	rBV	1488155	1651410	25.88%	1.846%
20	6.732	435	437	439	rBV2	82159	114596	1.80%	0.128%
21	6.777	439	441	444	rVB2	503965	496025	7.77%	0.554%
22	6.823	444	445	447	rBV2	44327	79969	1.25%	0.089%
23	6.903	447	452	453	rBV4	286581	431136	6.76%	0.482%
24	6.937	453	455	458	rBV2	417848	565341	8.86%	0.632%
25	7.040	460	464	465	rBV	545372	819975	12.85%	0.917%
26	7.086	465	468	469	rVB	1000756	1389367	21.78%	1.553%
27	7.109	469	470	472	rBV2	124437	206322	3.23%	0.231%
28	7.166	472	475	477	rBV4	205497	312491	4.90%	0.349%
29	7.212	477	479	480	rBV	180015	141858	2.22%	0.159%
30	7.234	480	481	483	rVB2	103808	127693	2.00%	0.143%
31	7.280	483	485	487	rBV2	259774	415242	6.51%	0.464%
32	7.326	487	489	491	rBV	628189	699907	10.97%	0.782%
33	7.383	491	494	496	rBV2	452052	575872	9.03%	0.644%
34	7.440	496	499	501	rVB3	1242238	1615391	25.32%	1.806%

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35	7.486	501	503	505	rBV2	275043	551386	8.64%	0.616%
36	7.566	508	510	513	rVB2	289046	417899	6.55%	0.467%
37	7.646	513	517	518	rBV3	379919	843701	13.22%	0.943%
38	7.703	520	522	526	rVB4	475119	898903	14.09%	1.005%
39	7.795	528	530	532	rVB3	1011533	1689656	26.48%	1.889%
40	7.840	532	534	536	rBV3	536337	756943	11.86%	0.846%
41	7.897	536	539	540	rBV	1359409	1603542	25.13%	1.793%
42	7.943	540	543	544	rVB2	386057	618178	9.69%	0.691%
43	7.989	544	547	548	rBV3	428890	960847	15.06%	1.074%
44	8.023	548	550	552	rVB2	951899	1193142	18.70%	1.334%
45	8.092	552	556	558	rBV4	504196	1346474	21.10%	1.505%
46	8.149	558	561	562	rBV3	452208	830637	13.02%	0.929%
47	8.263	568	571	573	rBV	3621999	5561278	87.17%	6.217%
48	8.309	573	575	577	rVB2	558728	901536	14.13%	1.008%
49	8.366	577	580	583	rVB4	731494	1404196	22.01%	1.570%
50	8.435	583	586	587	rBV2	714091	1276536	20.01%	1.427%
51	8.526	590	594	595	rVB2	948738	1816542	28.47%	2.031%
52	8.549	595	596	599	rBV3	567816	1373192	21.52%	1.535%
53	8.595	599	600	601	rBV	295057	317954	4.98%	0.355%
54	8.800	616	618	620	rVB3	715678	749283	11.74%	0.838%
55	8.869	620	624	628	rBV2	3338045	6379946	100.00%	7.132%
56	8.960	630	632	635	rBV2	916848	1963704	30.78%	2.195%
57	9.040	637	639	640	rVB2	573585	658036	10.31%	0.736%
58	9.063	640	641	643	rBV2	651518	887609	13.91%	0.992%
59	9.269	658	659	661	rBV	839673	1212071	19.00%	1.355%
60	9.326	661	664	666	rBV	2692382	3441500	53.94%	3.847%
61	9.418	671	672	674	rBV2	902996	1416297	22.20%	1.583%
62	9.555	682	684	687	rBV4	943700	1803034	28.26%	2.016%
63	9.840	707	709	711	rBV2	1168677	1190424	18.66%	1.331%
64	9.886	711	713	716	rVB3	1271180	1899460	29.77%	2.123%
65	9.966	718	720	721	rBV	772167	698952	10.96%	0.781%
66	10.058	727	728	730	rBV2	496111	411818	6.45%	0.460%
67	10.103	730	732	733	rBV2	1032713	995268	15.60%	1.113%
68	10.172	736	738	741	rVV2	737484	1143953	17.93%	1.279%
69	10.240	741	744	745	rVB2	1377232	1567333	24.57%	1.752%
70	10.343	751	753	755	rVB2	805586	1261475	19.77%	1.410%
71	10.389	755	757	760	rVB3	698451	1213680	19.02%	1.357%

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72	10.515	765	768	770	rVB	2832911	5465070	85.66%	6.109%
73	10.686	781	783	784	rBV	804226	958169	15.02%	1.071%
74	10.892	799	801	802	rBV	401798	356497	5.59%	0.399%
75	10.972	805	808	810	rVB	2748240	4062687	63.68%	4.542%
76	11.029	810	813	815	rBV	489473	678426	10.63%	0.758%
77	11.155	822	824	828	rBV4	372089	891258	13.97%	0.996%
78	11.303	835	837	840	rVB	942526	1103989	17.30%	1.234%
79	12.481	938	940	942	rVB	200041	193427	3.03%	0.216%
80	12.515	942	943	945	rVB	231857	183243	2.87%	0.205%
81	12.606	948	951	953	rVB	1538642	1635776	25.64%	1.829%
82	13.029	986	988	995	rVB	93315	182586	2.86%	0.204%
83	13.498	1027	1029	1037	rVB	129990	289973	4.55%	0.324%
84	13.612	1037	1039	1042	rVB	329668	373901	5.86%	0.418%
85	13.818	1055	1057	1061	rVB	39910	75743	1.19%	0.085%
86	14.938	1152	1155	1158	rVB	239602	257655	4.04%	0.288%

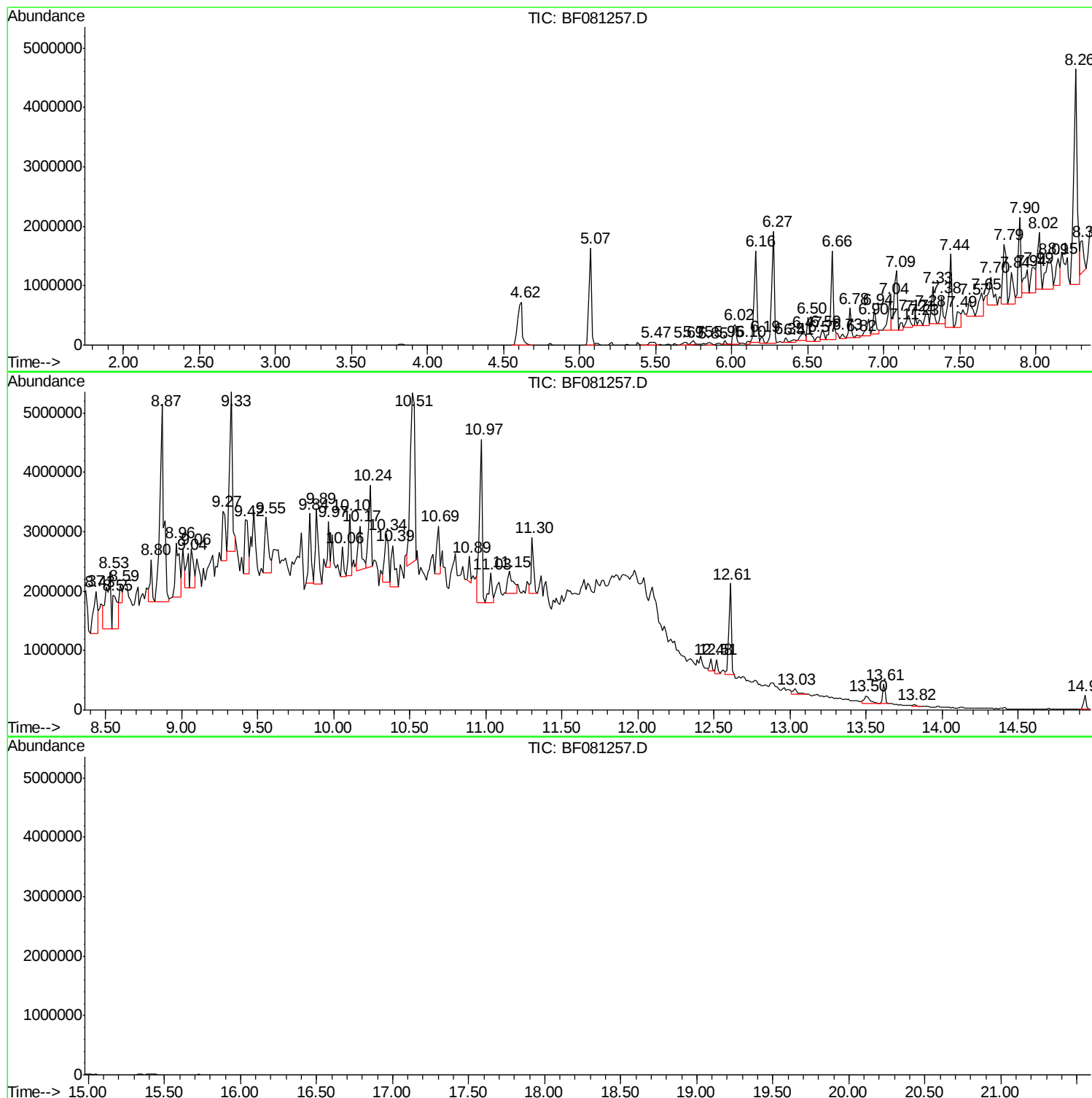
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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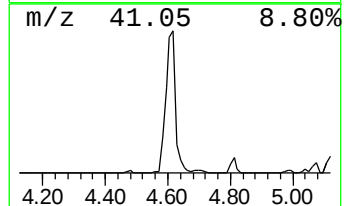
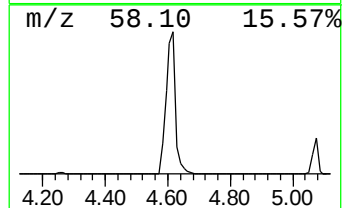
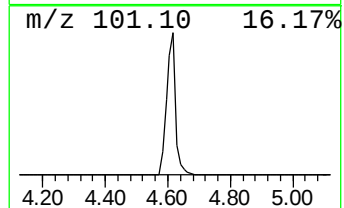
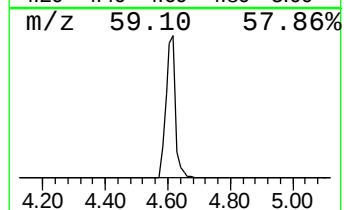
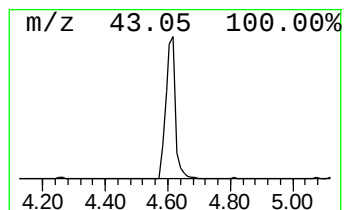
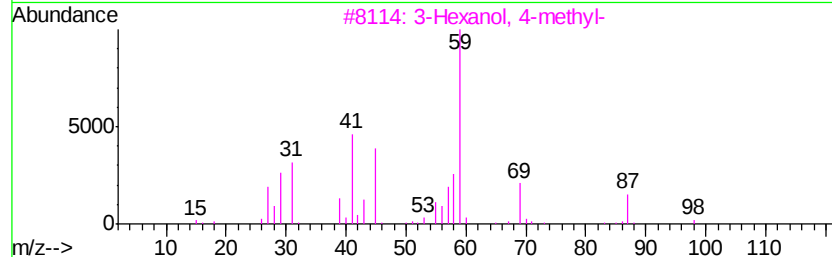
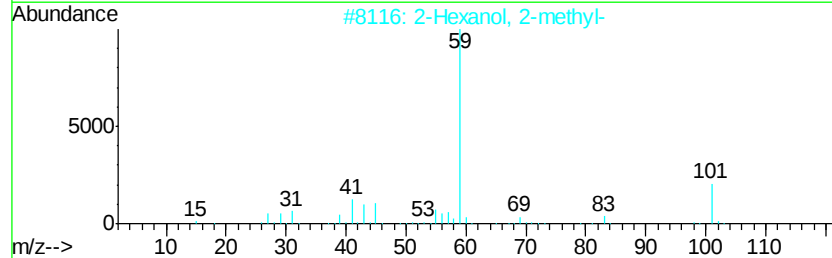
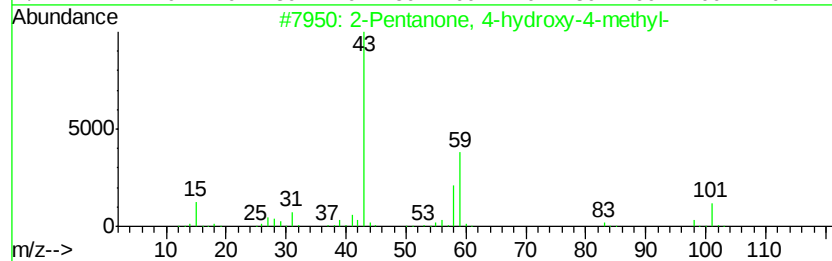
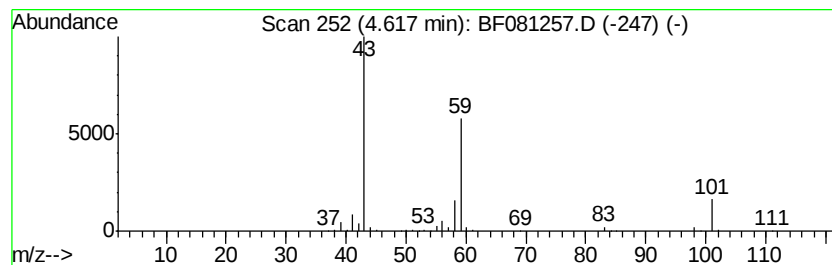
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	59.61 ng	1521630	1,4-Dichlorobenzene-d4	6.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17



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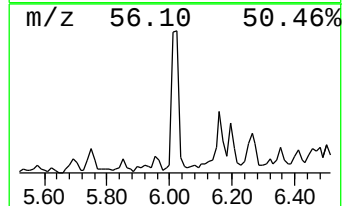
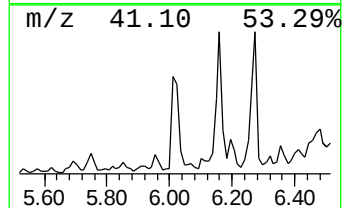
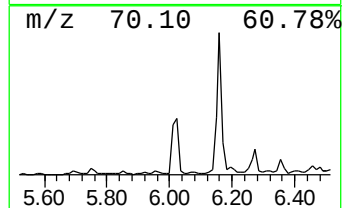
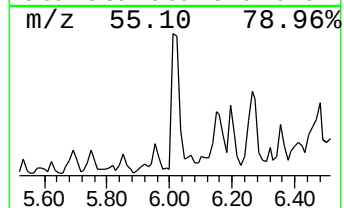
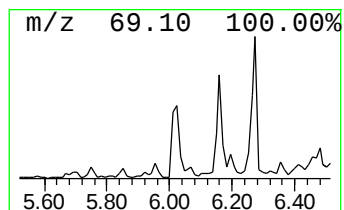
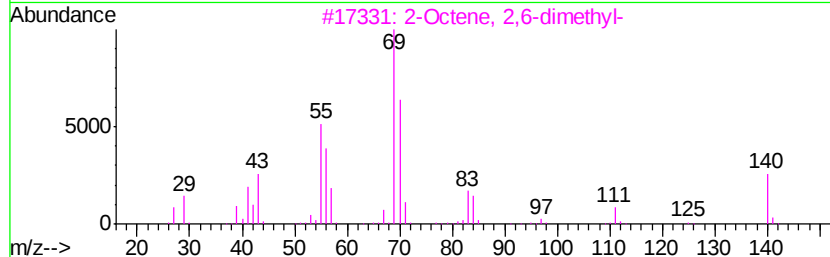
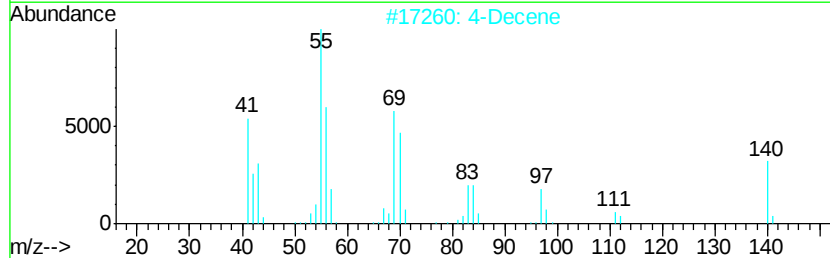
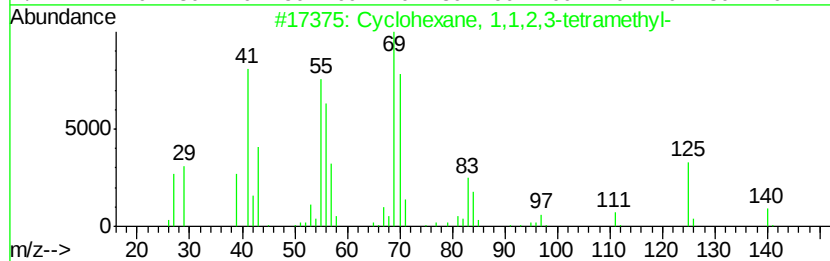
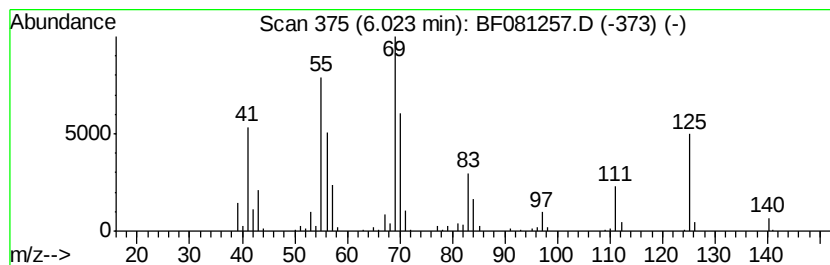
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	20.59 ng	525520	1,4-Dichlorobenzene-d4	6.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2		4-Decene	140	C10H20	019689-18-0	58
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4		Diphosphoric acid, diisooctyl ester	402	C16H36O7P2	072101-07-6	47
5		1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	46



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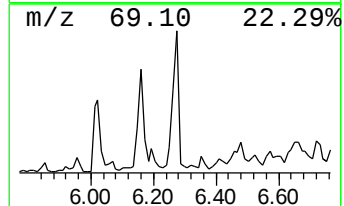
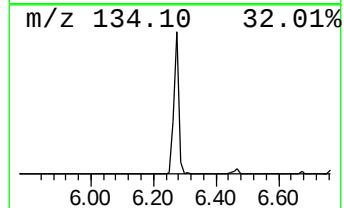
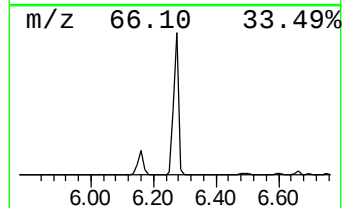
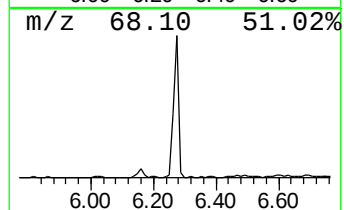
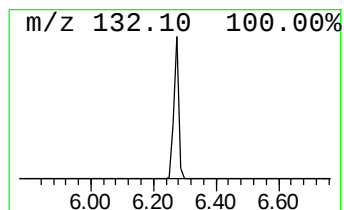
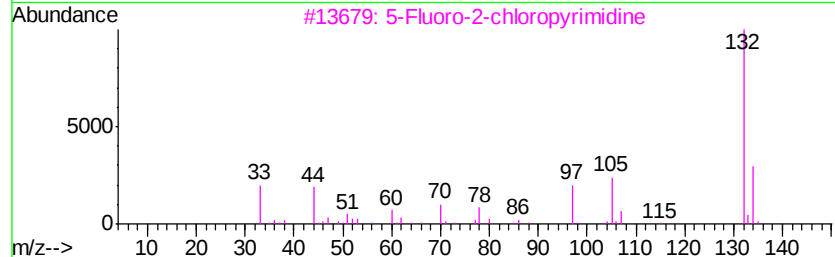
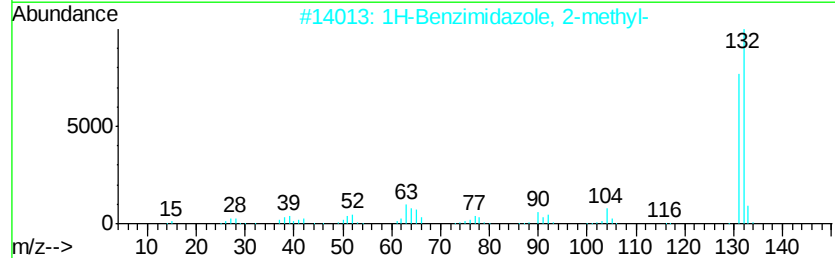
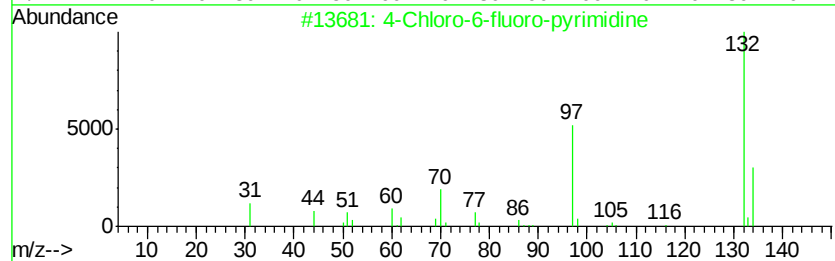
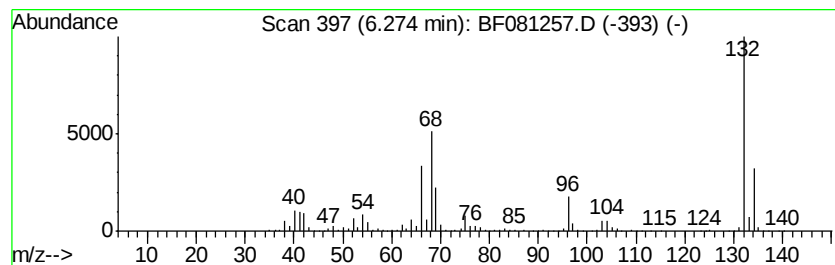
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.27 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	83.41 ng	2129340	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	25
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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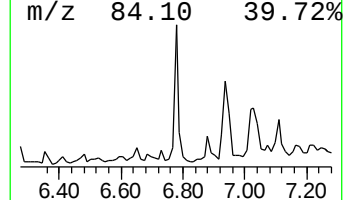
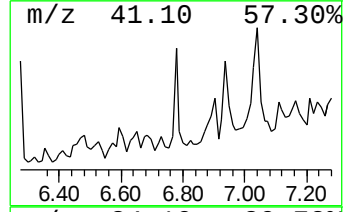
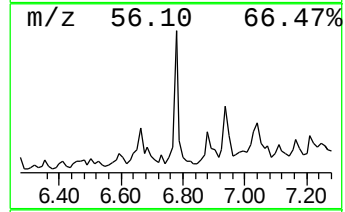
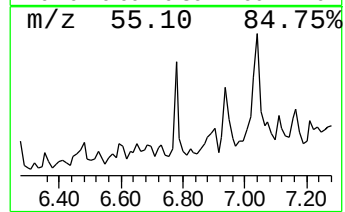
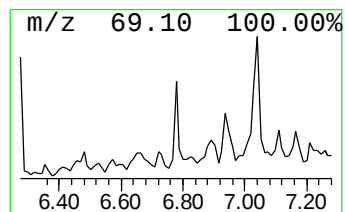
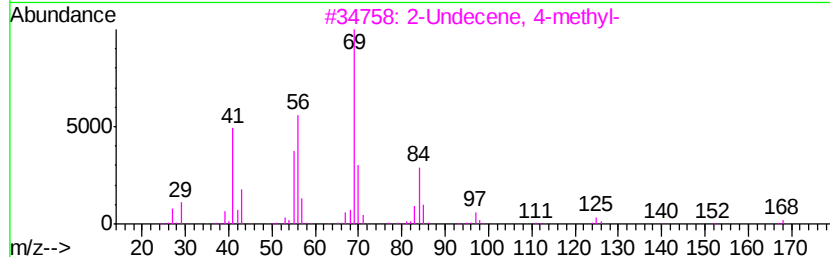
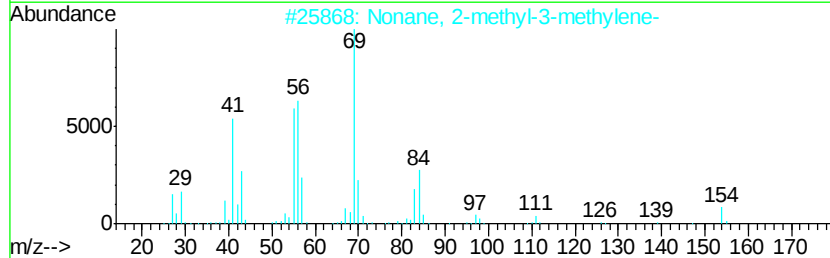
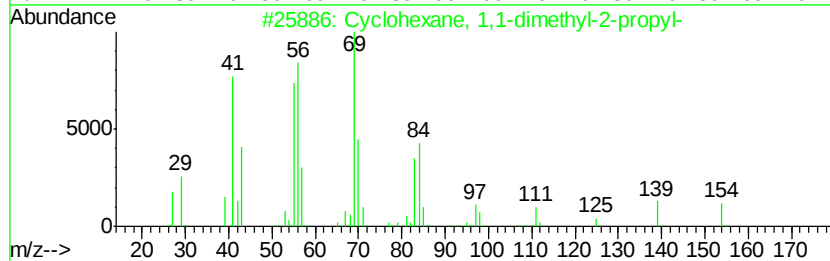
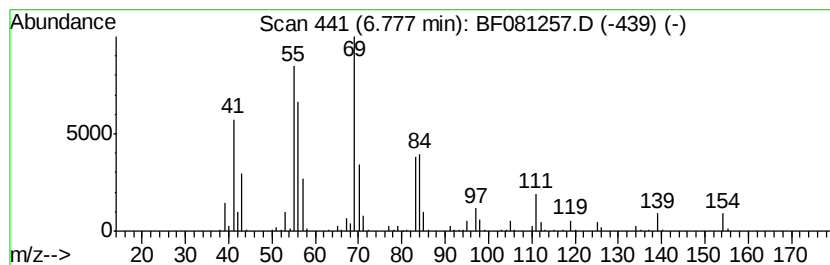
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	19.43 ng	496025	1,4-Dichlorobenzene-d4	6.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	95
2		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	81
3		2-Undecene, 4-methyl-	168	C12H24	091695-32-8	53
4		4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	52
5		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

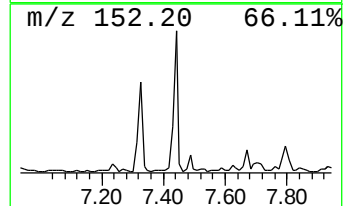
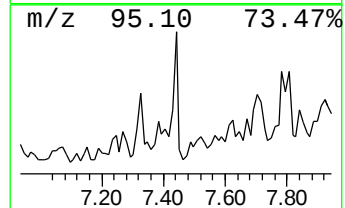
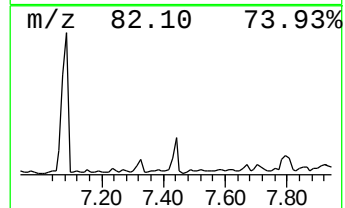
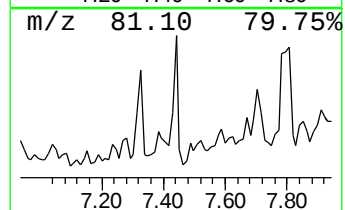
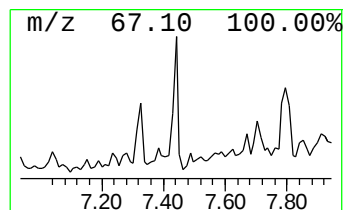
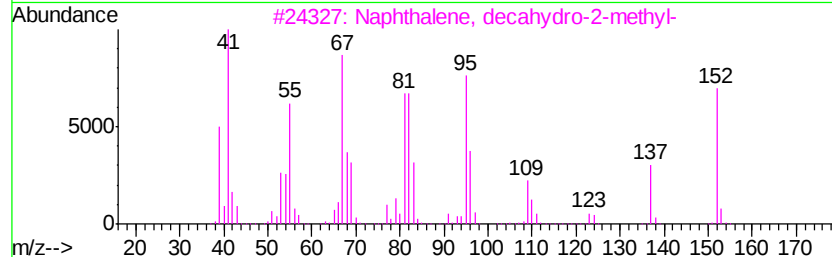
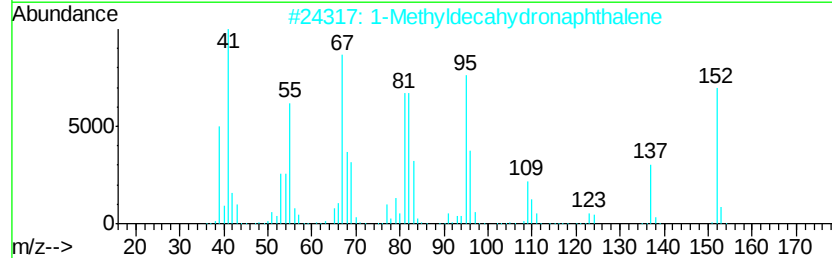
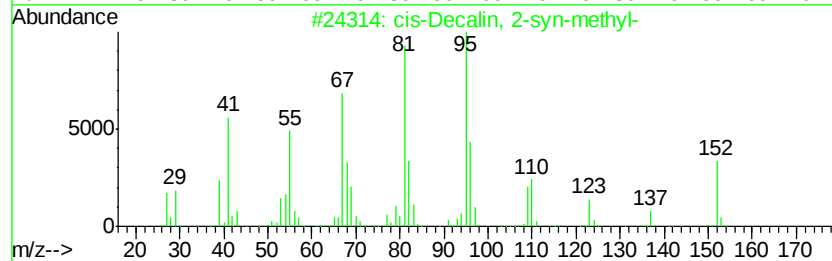
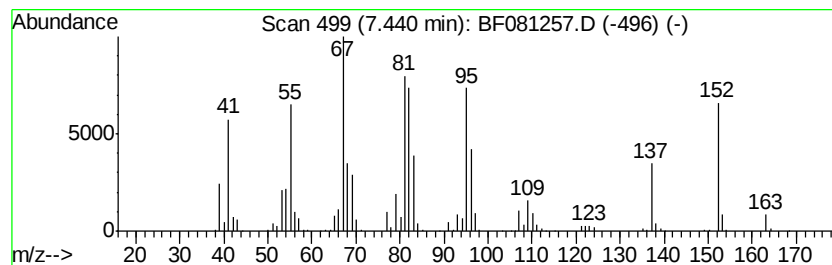
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 cis-Decalin, 2-syn-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	19.12 ng	1615390	Naphthalene-d8	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	68
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
5		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
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Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB1(7-9)

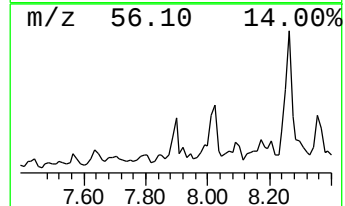
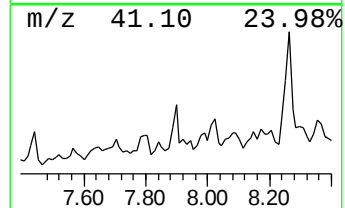
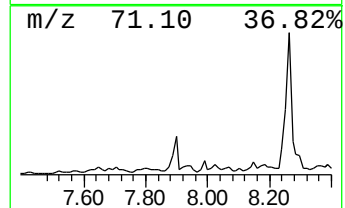
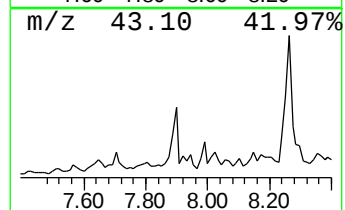
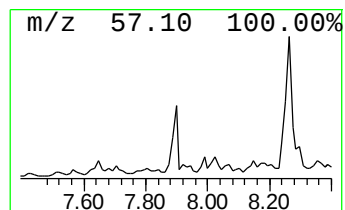
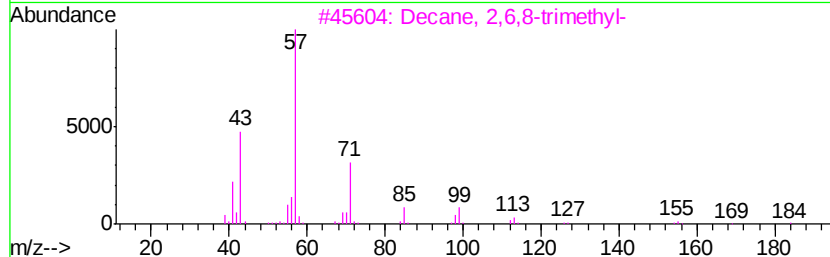
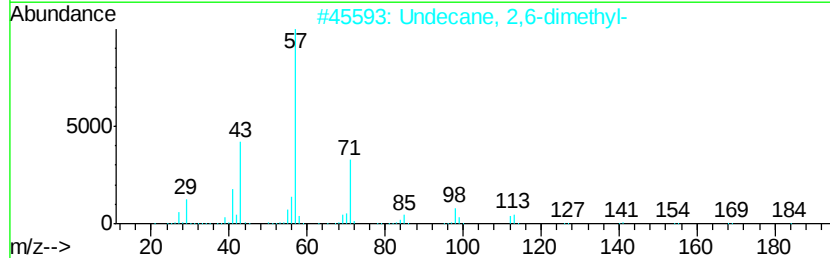
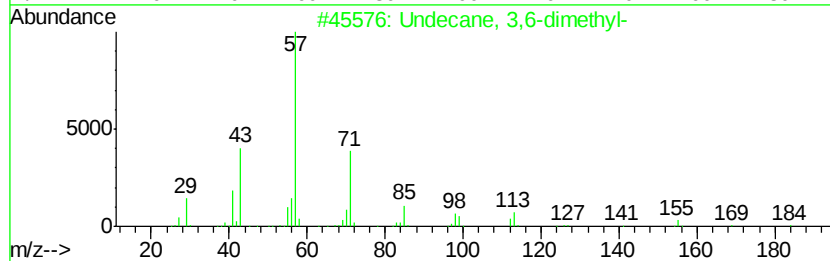
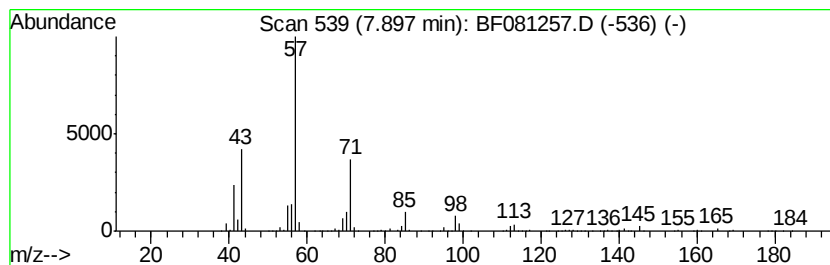
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Undecane, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	18.98 ng	1603540	Napthalene-d8	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81
3		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	72
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

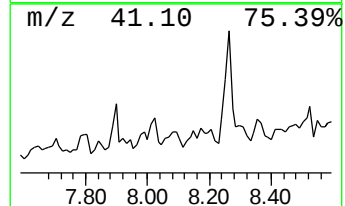
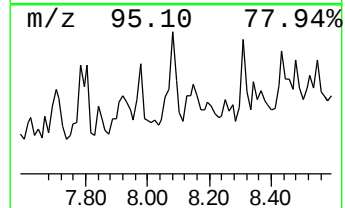
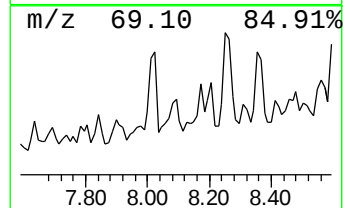
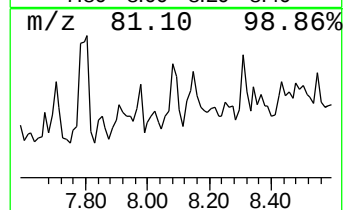
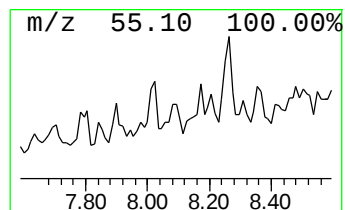
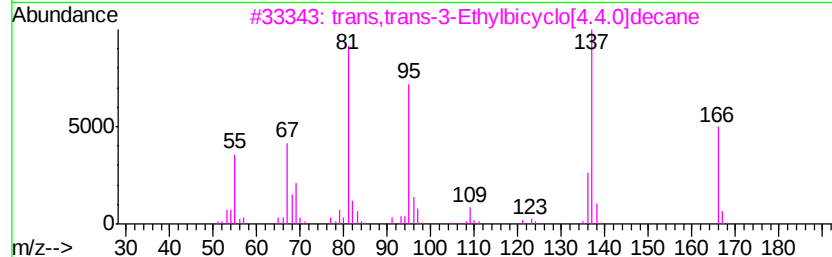
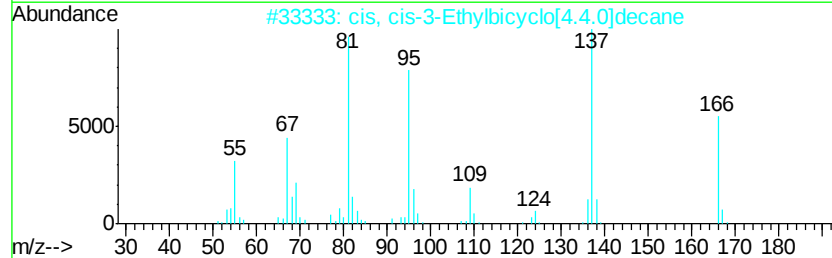
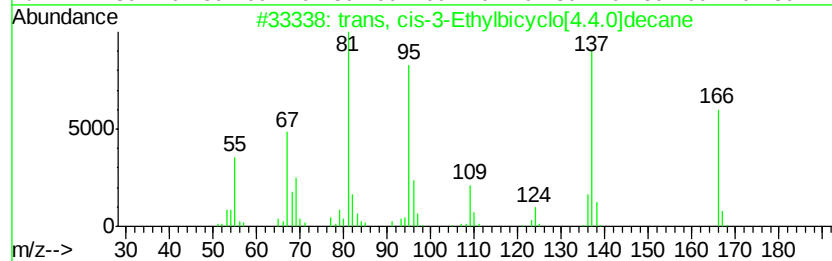
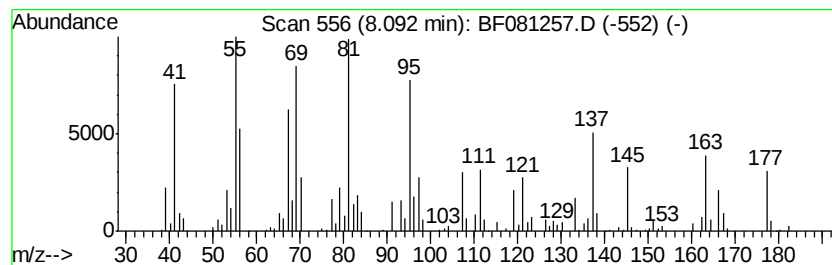
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 trans, cis-3-Ethylbicyclo[4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	15.94 ng	1346470	Napthalene-d8	7.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	50		
2	cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	50		
3	trans,trans-3-Ethylbicyclo[4.4.0]...	166	C12H22	058462-32-1	50		
4	cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	43		
5	3-Octyne, 2,2,7-trimethyl-	152	C11H20	055402-13-6	43		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB1(7-9)

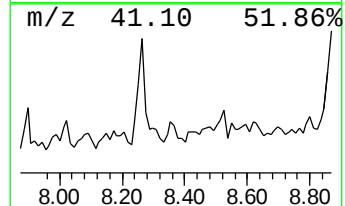
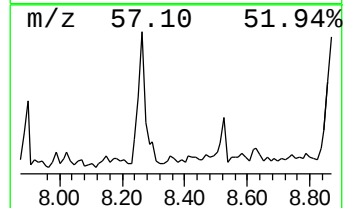
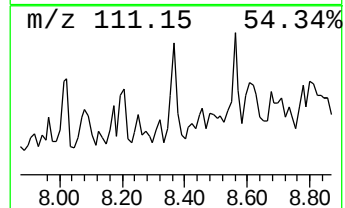
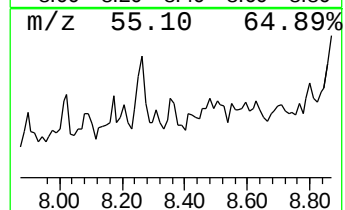
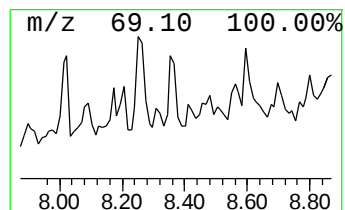
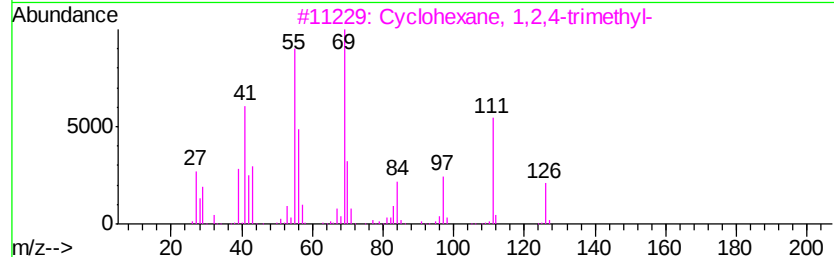
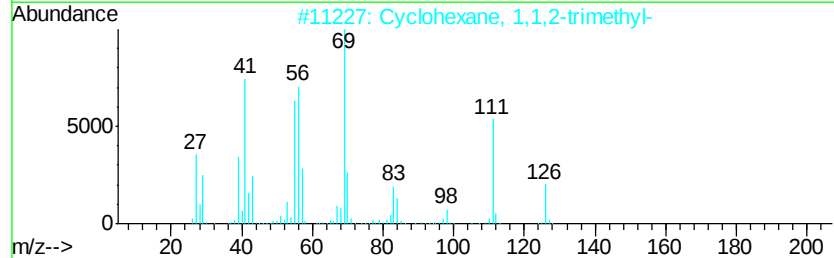
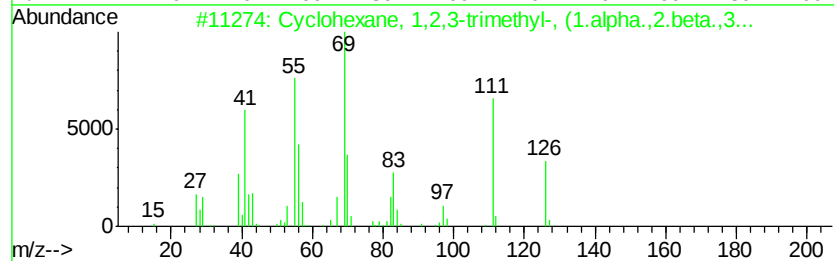
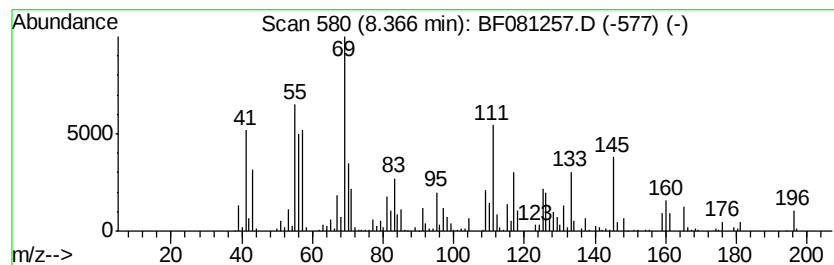
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclohexane, 1,2,3-trimethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	16.62 ng	1404200	Naphthalene-d8	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	52
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	41
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	41
4		Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	35
5		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

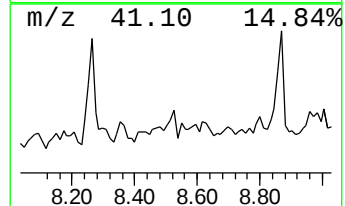
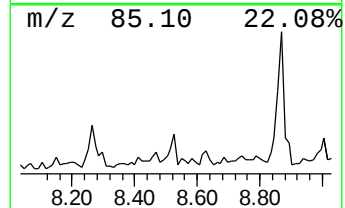
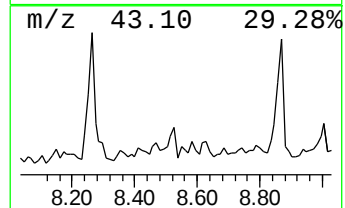
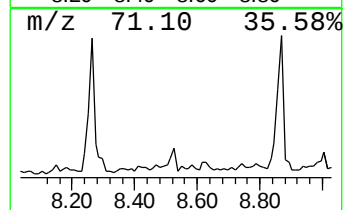
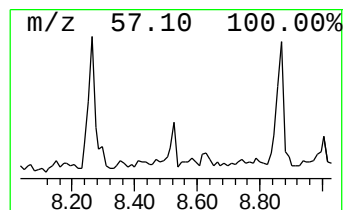
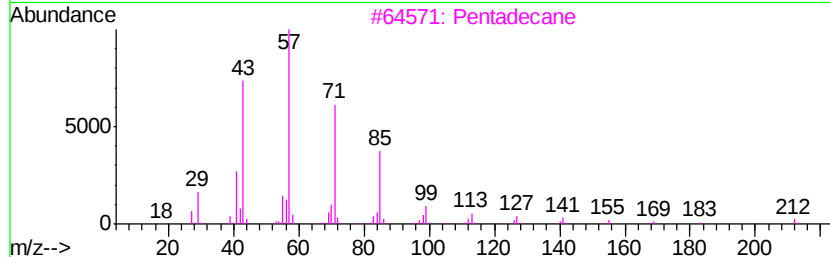
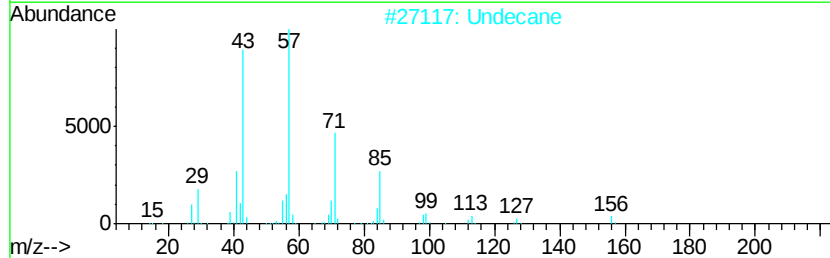
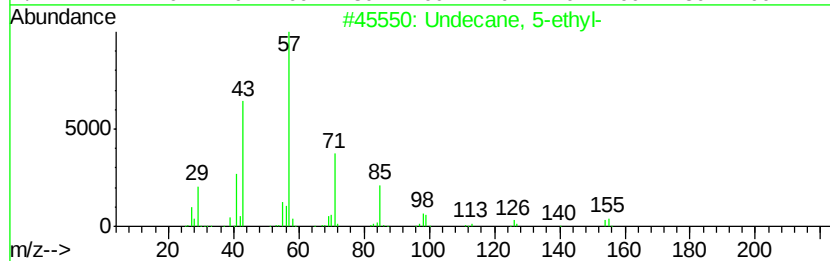
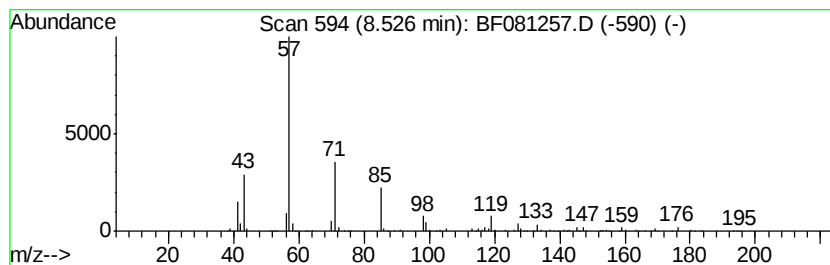
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Undecane, 5-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	21.50 ng	1816540	Napthalene-d8	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
2		Undecane	156	C11H24	001120-21-4	53
3		Pentadecane	212	C15H32	000629-62-9	53
4		Tridecane	184	C13H28	000629-50-5	53
5		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
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Misc :
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ClientSampleId :
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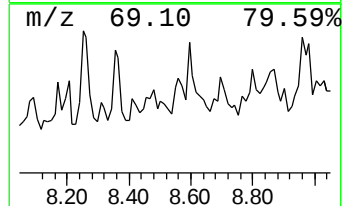
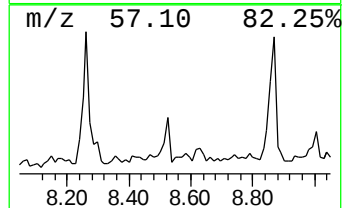
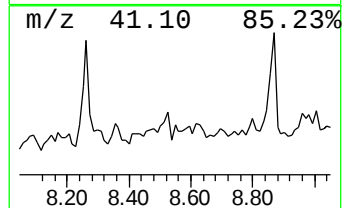
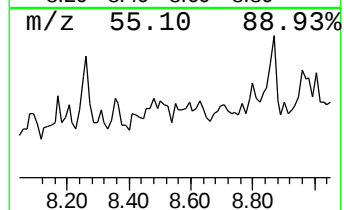
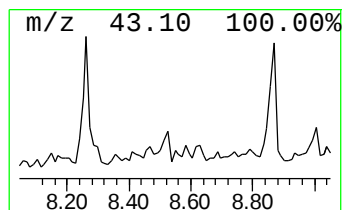
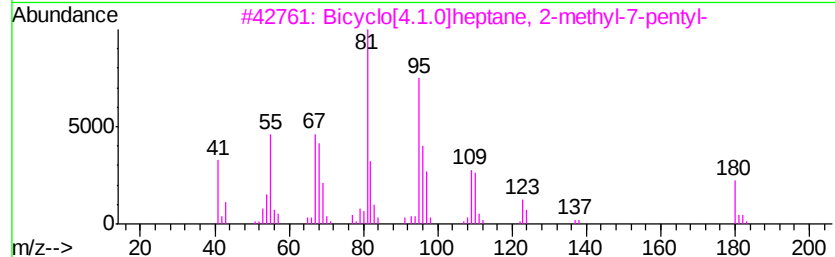
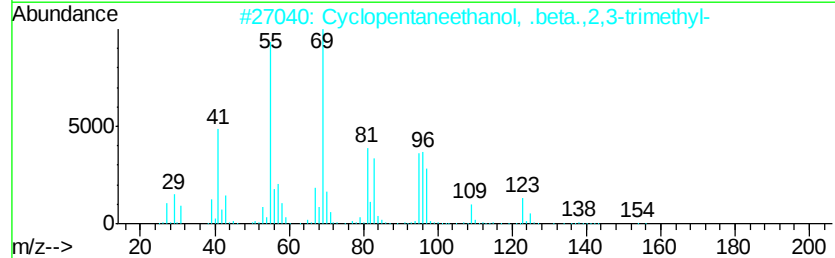
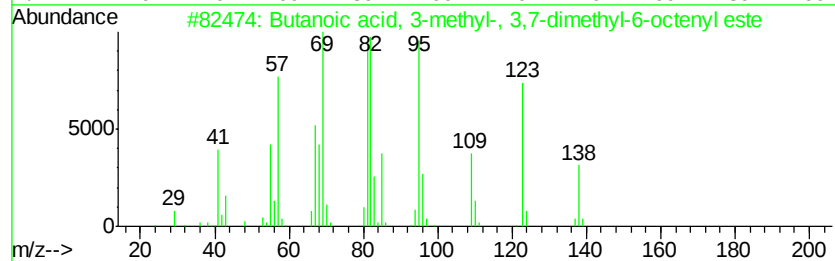
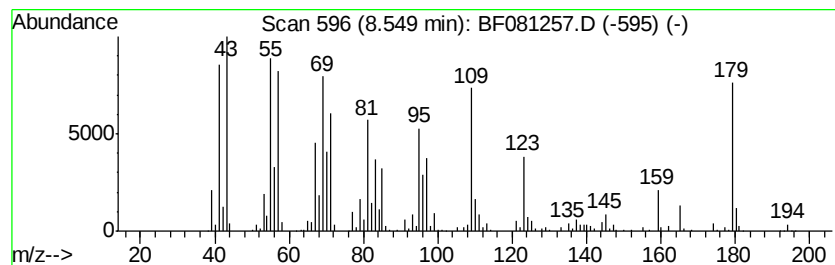
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown8.55 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	16.25 ng	1373190	Naphthalene-d8	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanoic acid, 3-methyl-, 3,7-di...	240	C15H28O2	068922-10-1	35
2		Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	22
3		Bicyclo[4.1.0]heptane, 2-methyl-...	180	C13H24	055937-92-3	15
4		Heptafluorobutyric acid,n-tridec...	396	C17H27F7O2	1000216-78-9	14
5		3-Trifluoroacetoxy-6-ethyldecane	282	C14H25F3O2	116436-59-0	11



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Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SB1(7-9)

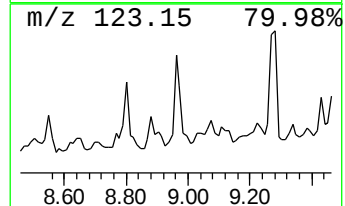
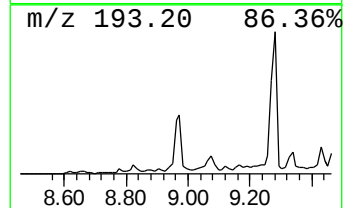
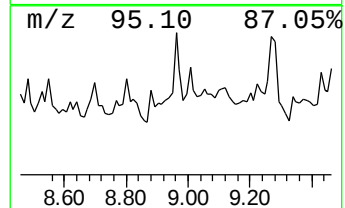
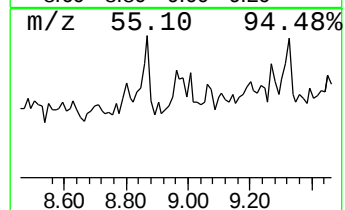
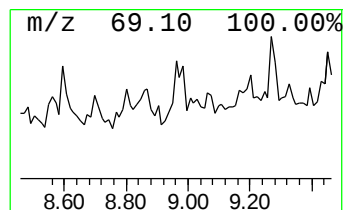
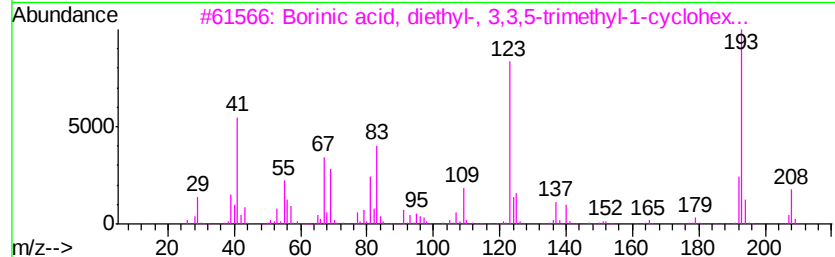
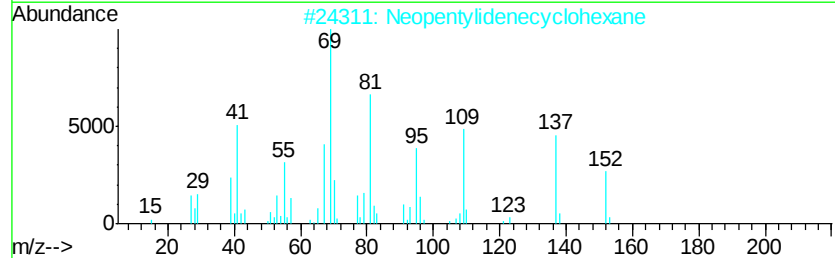
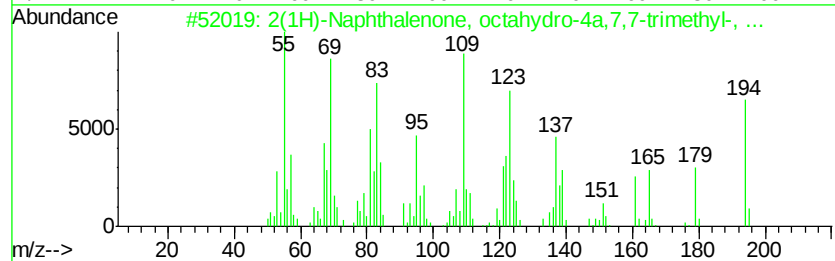
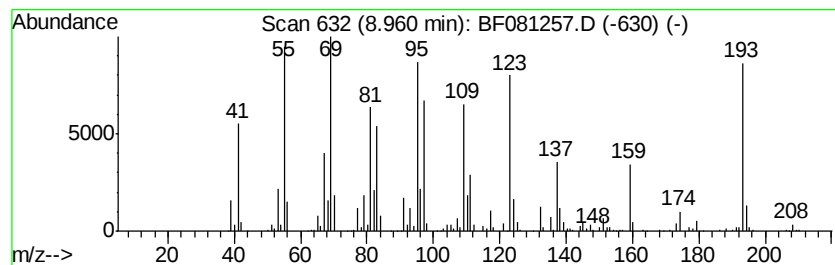
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown8.96 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	21.78 ng	1963700	Acenaphthene-d10	9.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(1H)-Naphthalenone, octahydro-4...	194	C13H22O	054699-31-9	38
2		Neopentylidenecyclohexane	152	C11H20	039546-80-0	38
3		Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	27
4		2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	25
5		4-Hexen-1-ol, 2-ethenyl-2,5-dime...	154	C10H18O	050598-21-5	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

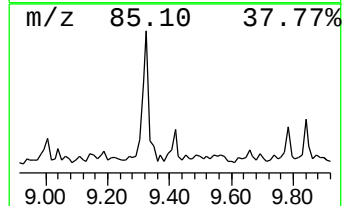
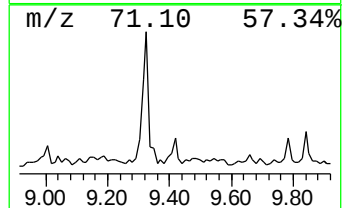
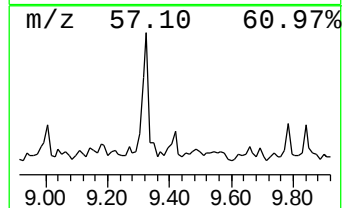
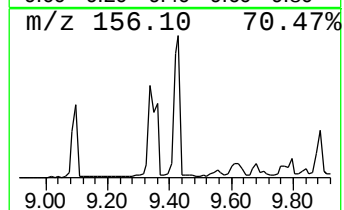
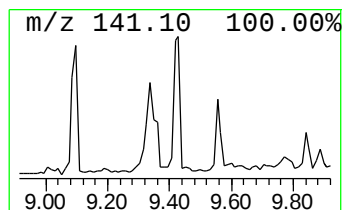
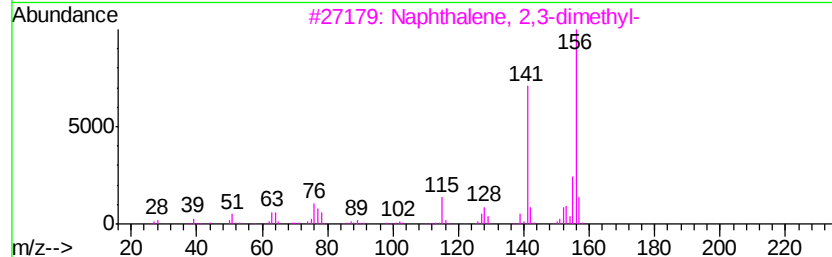
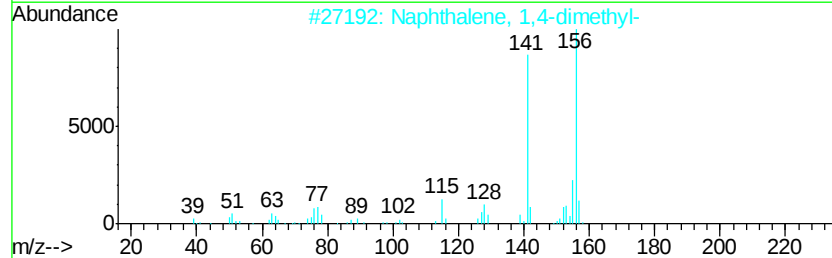
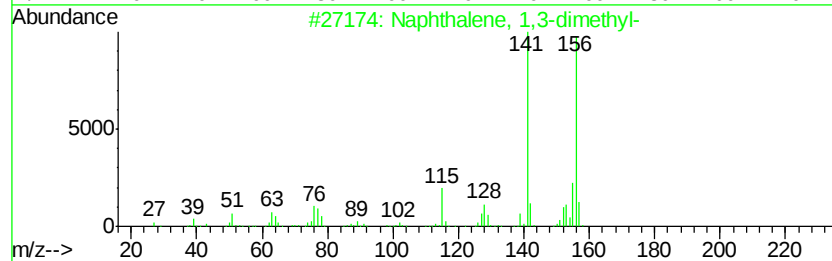
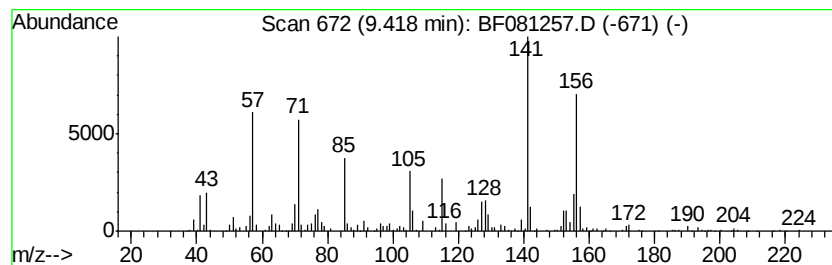
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	15.71 ng	1416300	Acenaphthene-d10	9.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	92
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

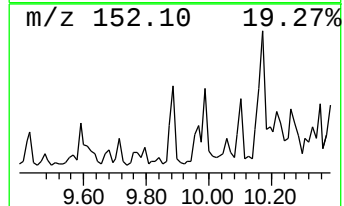
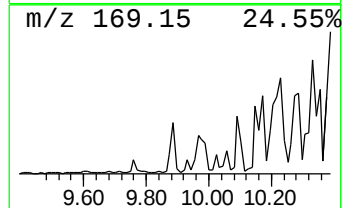
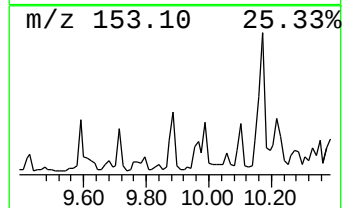
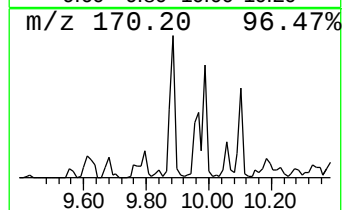
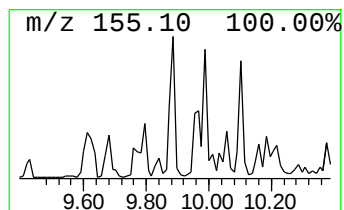
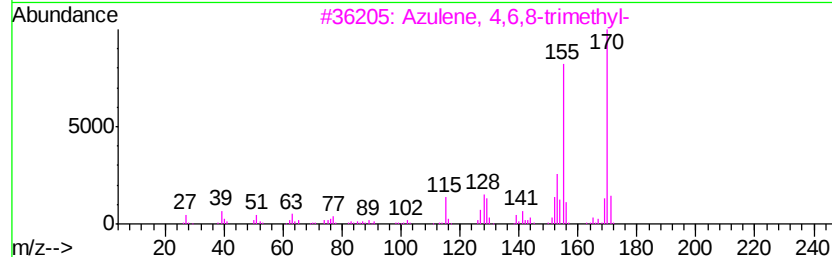
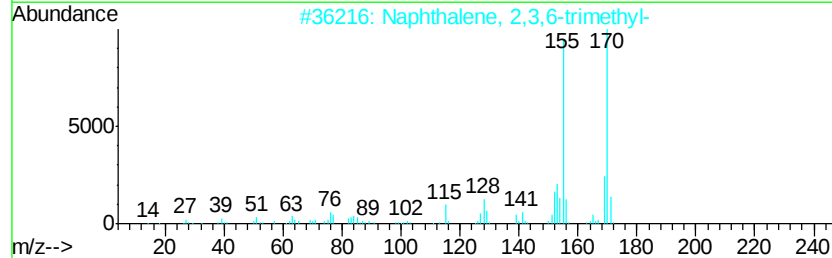
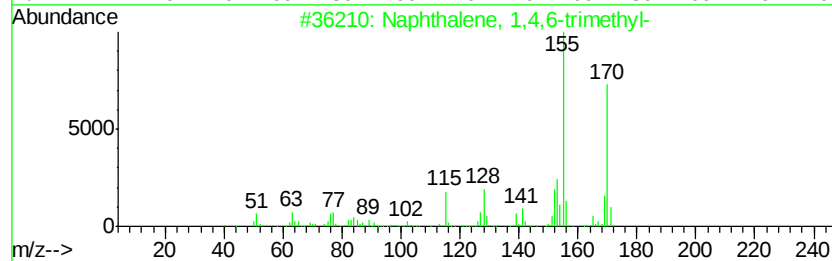
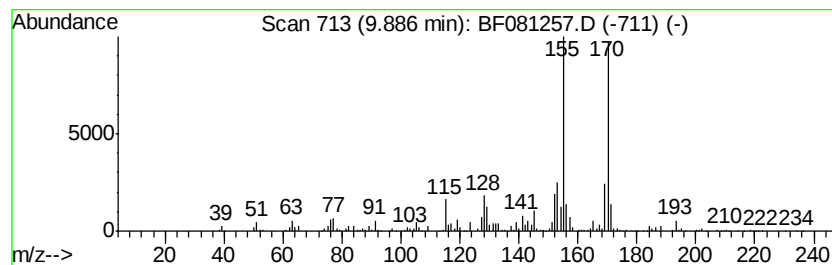
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	21.07 ng	1899460	Acenaphthene-d10	9.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	97
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

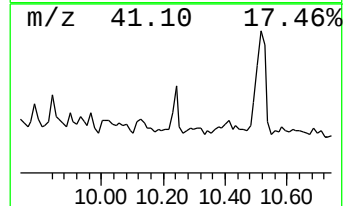
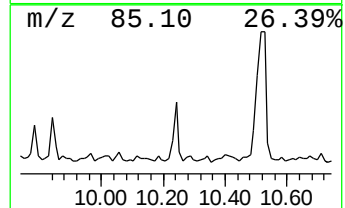
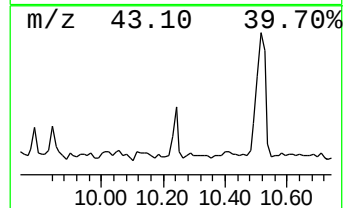
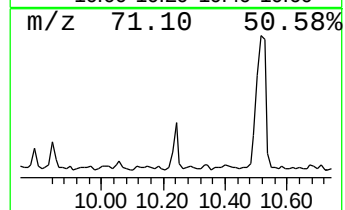
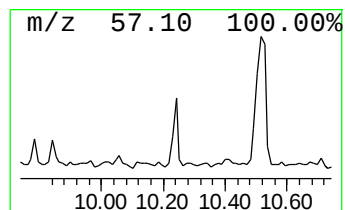
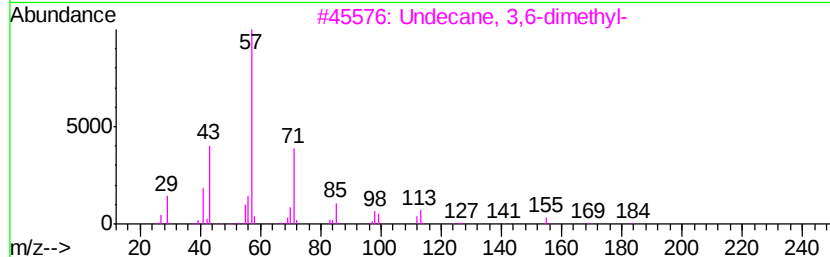
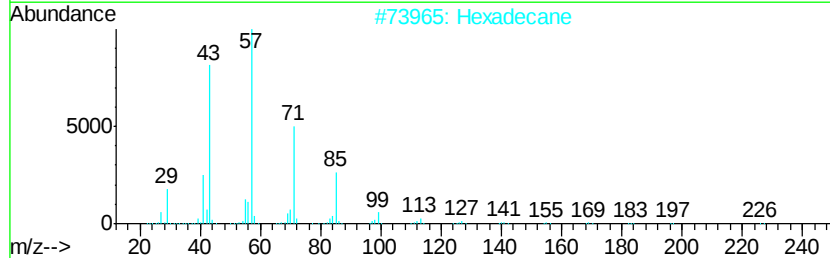
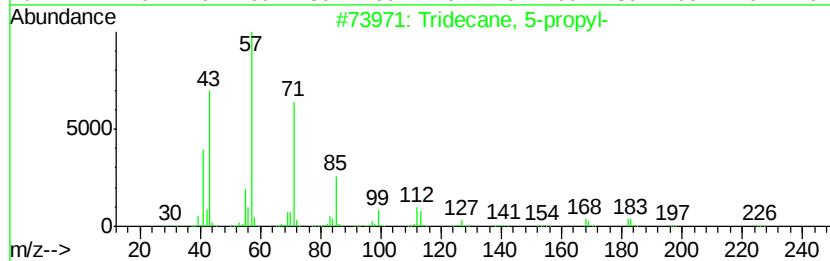
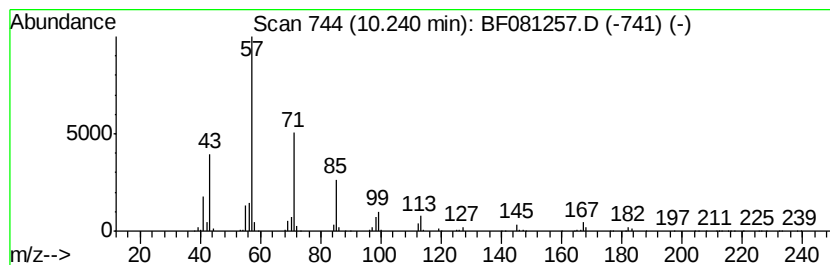
Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane, 5-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	17.39 ng	1567330	Acenaphthene-d10	9.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 5-propyl-	226 C16H34	055045-11-9 81
2		Hexadecane	226 C16H34	000544-76-3 80
3		Undecane, 3,6-dimethyl-	184 C13H28	017301-28-9 64
4		Nonane, 2-methyl-5-propyl-	184 C13H28	031081-17-1 59
5		Decane, 2,3,5-trimethyl-	184 C13H28	062238-11-3 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

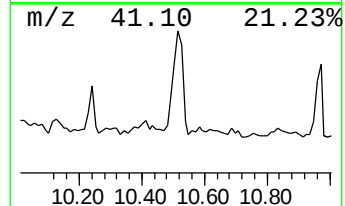
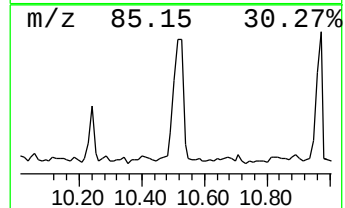
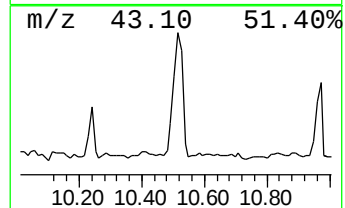
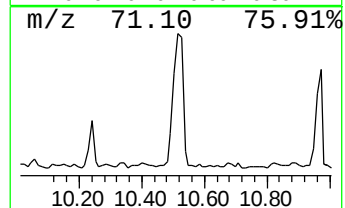
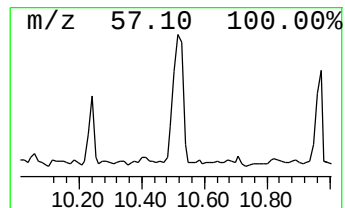
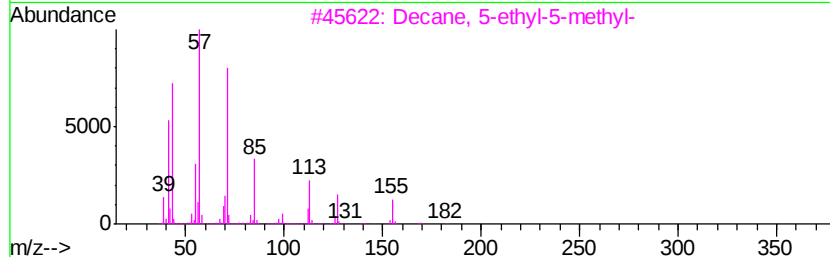
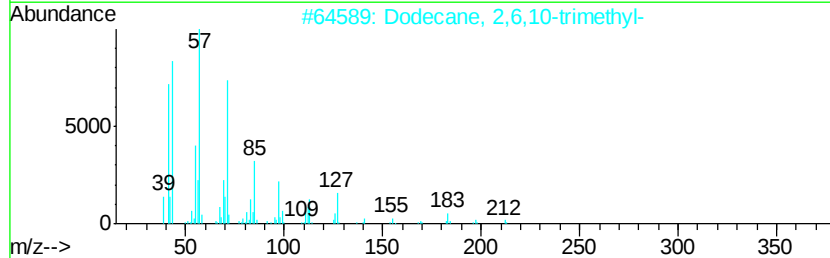
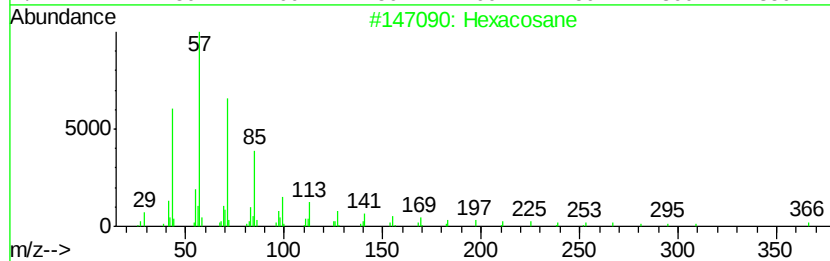
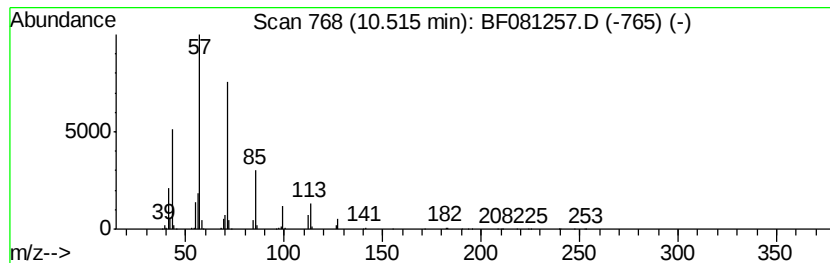
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexacosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	161.11 ng	5465070	Phenanthrene-d10	11.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	83
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
3		Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	78
4		Dodecane	170	C12H26	000112-40-3	78
5		Decane, 5-propyl-	184	C13H28	017312-62-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
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Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
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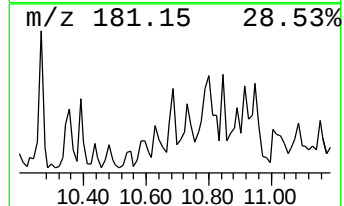
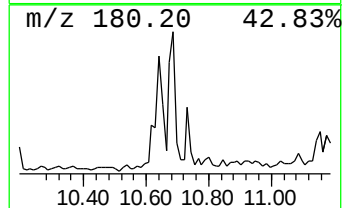
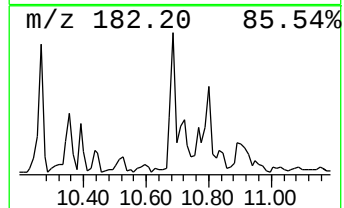
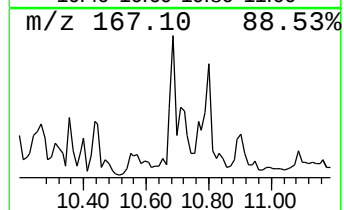
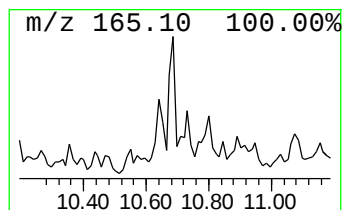
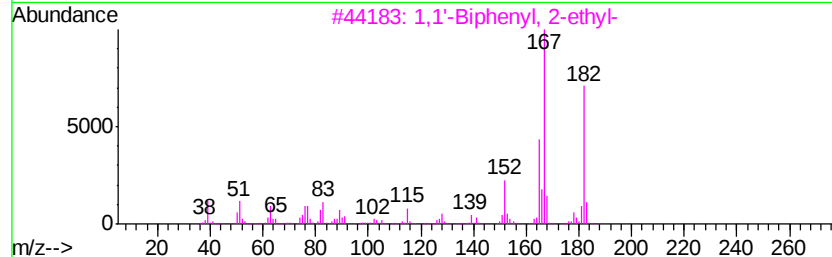
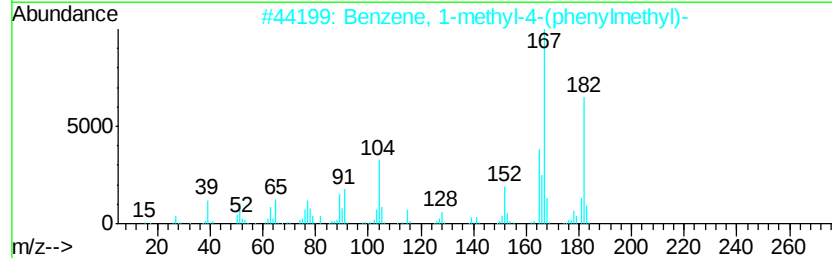
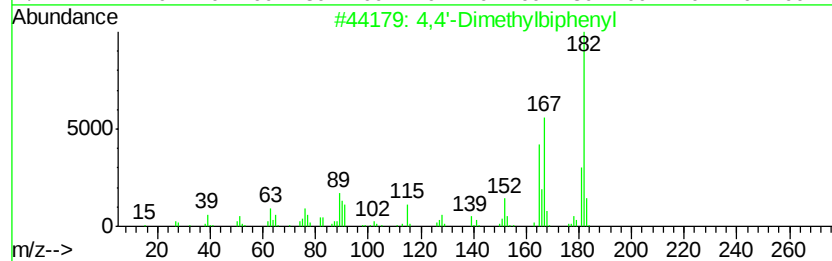
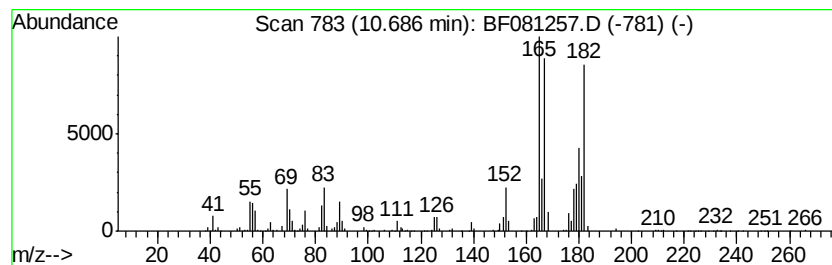
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ClientSampleId :
SB1(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 4,4'-Dimethylbiphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.69	28.25 ng	958169	Phenanthrene-d10	11.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	58
2	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	49
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	49
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	46
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
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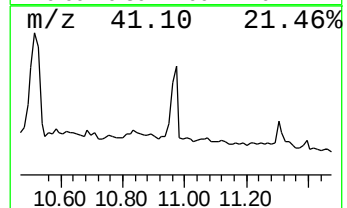
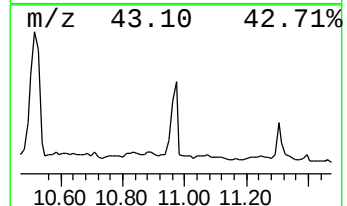
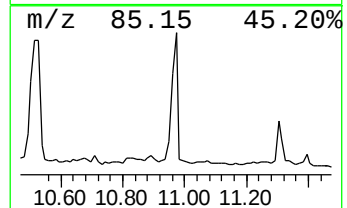
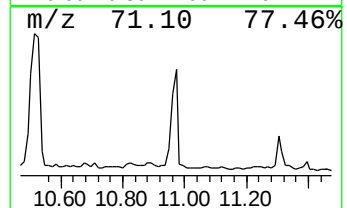
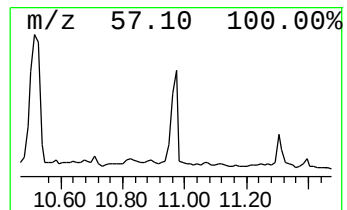
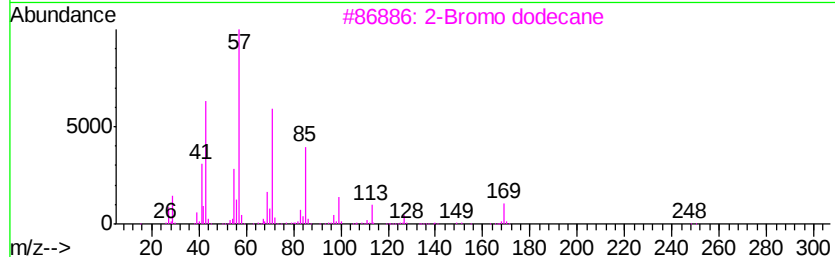
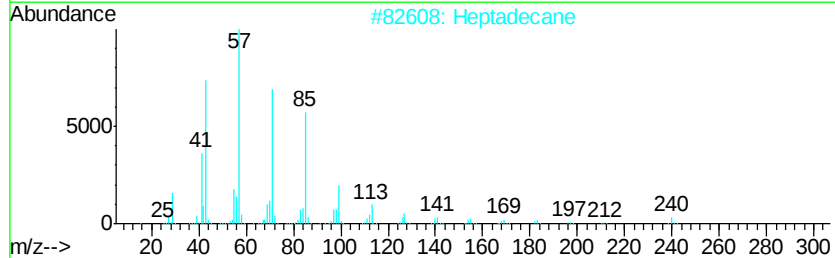
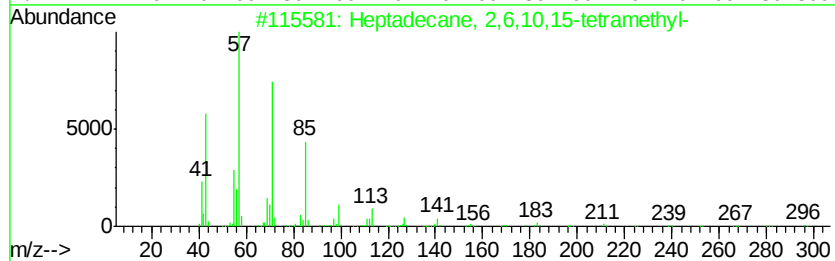
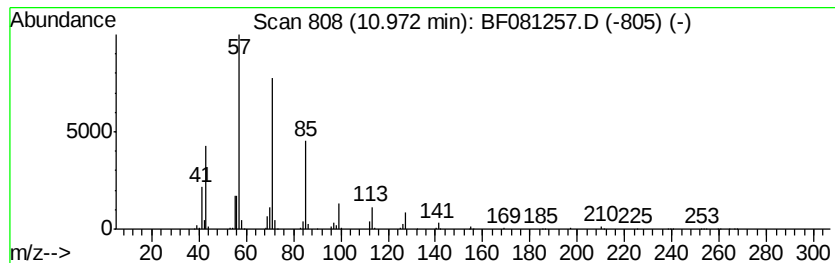
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	119.77 ng	4062690	Phenanthrene-d10	11.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Heptadecane	240	C17H36	000629-78-7	80
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	78
4		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	78
5		Nonacosane	408	C29H60	000630-03-5	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

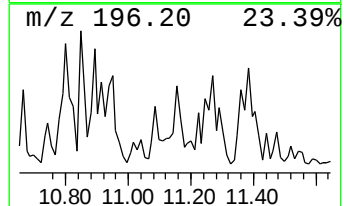
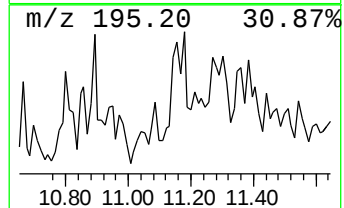
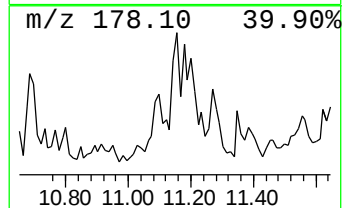
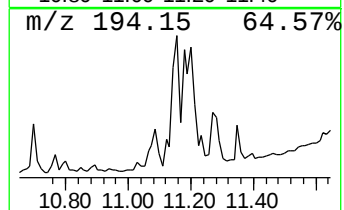
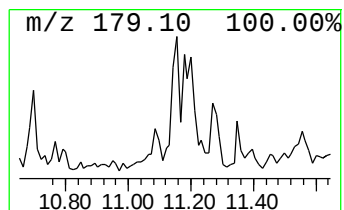
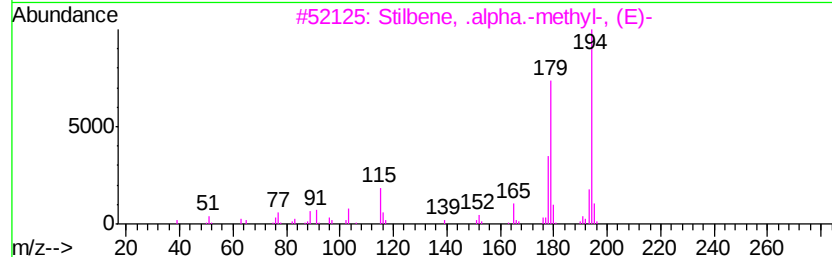
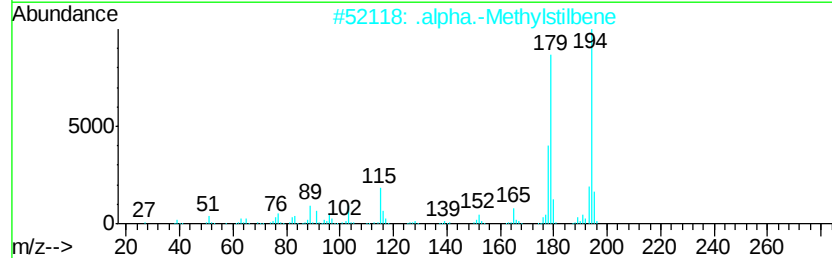
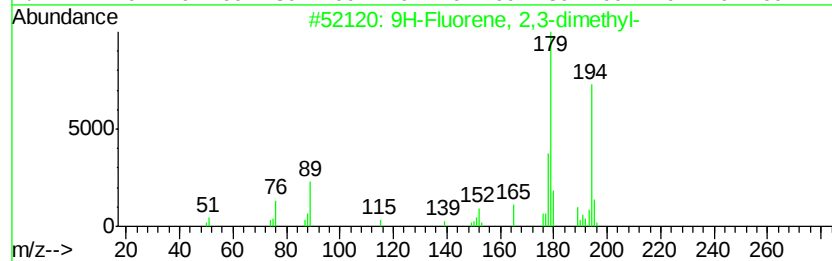
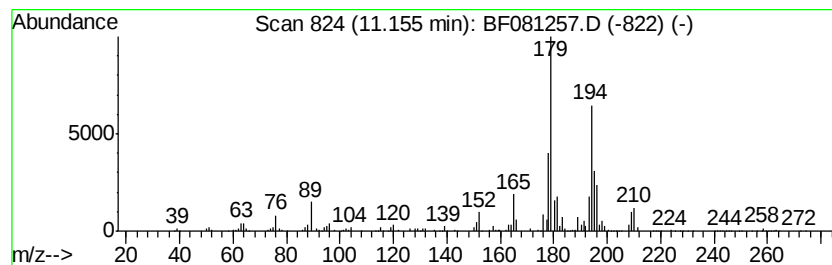
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 9H-Fluorene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	26.27 ng	891258	Phenanthrene-d10	11.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	93
2		.alpha.-Methylstilbene	194	C15H14	000779-51-1	62
3		Stilbene, .alpha.-methyl-, (E)-	194	C15H14	000833-81-8	62
4		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	58
5		Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081257.D
Acq On : 28 Aug 2015 2:11
Operator : UM/IZ
Sample : G3430-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB1(7-9)

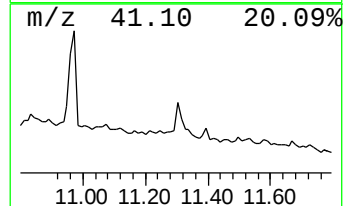
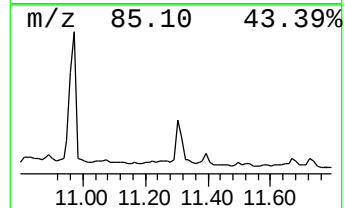
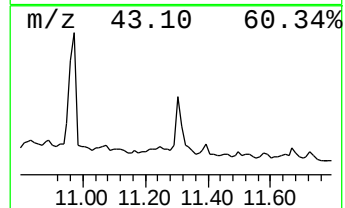
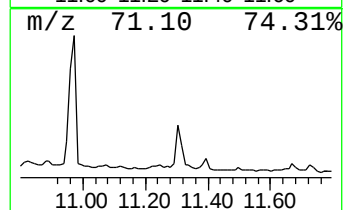
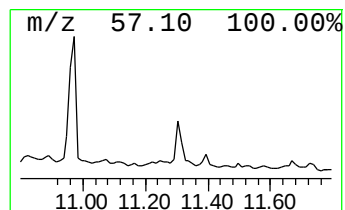
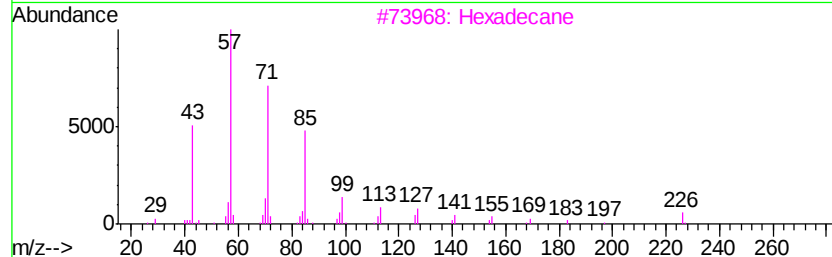
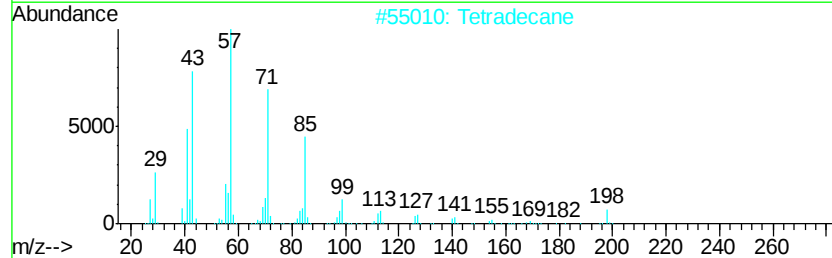
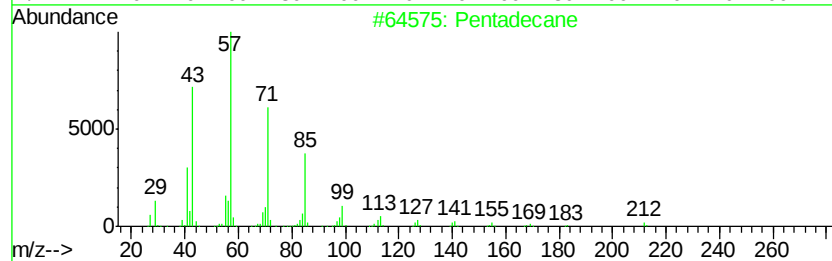
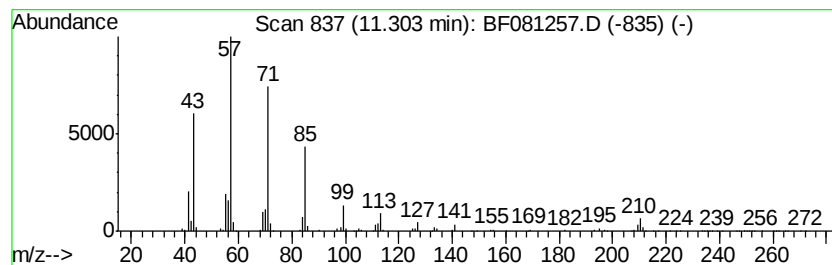
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	32.55 ng	1103990	Phenanthrene-d10	11.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Tetradecane	198	C14H30	000629-59-4	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tetracosane	338	C24H50	000646-31-1	90
5		Heptadecane	240	C17H36	000629-78-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081257.D
 Acq On : 28 Aug 2015 2:11
 Operator : UM/IZ
 Sample : G3430-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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...	4.62	59.6	ng	1521630	1	6.50	510555	20.0
Cyclohexane, 1,1,...	6.02	20.6	ng	525520	1	6.50	510555	20.0
unknown6.27	6.27	83.4	ng	2129340	1	6.50	510555	20.0
Cyclohexane, 1,1-...	6.78	19.4	ng	496025	1	6.50	510555	20.0
cis-Decalin, 2-sy...	7.44	19.1	ng	1615390	2	7.79	1689660	20.0
Undecane, 3,6-dim...	7.90	19.0	ng	1603540	2	7.79	1689660	20.0
trans, cis-3-Ethy...	8.09	15.9	ng	1346470	2	7.79	1689660	20.0
Cyclohexane, 1,2,...	8.37	16.6	ng	1404200	2	7.79	1689660	20.0
Undecane, 5-ethyl-	8.53	21.5	ng	1816540	2	7.79	1689660	20.0
unknown8.55	8.55	16.3	ng	1373190	2	7.79	1689660	20.0
unknown8.96	8.96	21.8	ng	1963700	3	9.55	1803030	20.0
Naphthalene, 1,3-...	9.42	15.7	ng	1416300	3	9.55	1803030	20.0
Naphthalene, 1,4,...	9.89	21.1	ng	1899460	3	9.55	1803030	20.0
Tridecane, 5-propyl-	10.24	17.4	ng	1567330	3	9.55	1803030	20.0
Hexacosane	10.51	161.1	ng	5465070	4	11.03	678426	20.0
4,4'-Dimethylbiph...	10.69	28.3	ng	958169	4	11.03	678426	20.0
Heptadecane, 2,6,...	10.97	119.8	ng	4062690	4	11.03	678426	20.0
9H-Fluorene, 2,3-...	11.15	26.3	ng	891258	4	11.03	678426	20.0
Pentadecane	11.30	32.5	ng	1103990	4	11.03	678426	20.0