

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094781.D
 Acq On : 2 May 2017 6:24
 Operator : SJ/MA
 Sample : I2892-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-E(2.5-3)

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-BF041717.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.931	332	339	349	rBV	546543	746806	13.29%	0.719%
2	4.325	402	406	412	rBV	2786123	2895618	51.53%	2.789%
3	4.448	424	427	432	rBV2	75884	88856	1.58%	0.086%
4	4.607	448	454	458	rBV2	114645	153853	2.74%	0.148%
5	4.695	465	469	475	rVB3	240713	397411	7.07%	0.383%
6	4.760	475	480	483	rBV2	202293	310249	5.52%	0.299%
7	4.842	491	494	499	rVB	433788	425154	7.57%	0.410%
8	4.901	499	504	506	rBV2	328206	453314	8.07%	0.437%
9	4.948	509	512	515	rVV	1302144	1340861	23.86%	1.292%
10	5.013	519	523	525	rBV	1030358	1075786	19.14%	1.036%
11	5.042	525	528	531	rBV3	268049	332765	5.92%	0.321%
12	5.072	531	533	535	rVB2	218352	175272	3.12%	0.169%
13	5.095	535	537	540	rVB2	176210	162102	2.88%	0.156%
14	5.154	540	547	550	rBV2	895755	1284952	22.86%	1.238%
15	5.225	550	559	561	rBV2	1367334	1829434	32.55%	1.762%
16	5.260	561	565	567	rVV3	1399272	2053508	36.54%	1.978%
17	5.284	567	569	573	rVB	620252	577903	10.28%	0.557%
18	5.325	573	576	580	rBV2	1326232	1460176	25.98%	1.407%
19	5.401	583	589	592	rVB	2851305	3586020	63.81%	3.454%
20	5.436	592	595	598	rVB	706057	722663	12.86%	0.696%
21	5.484	598	603	605	rBV2	1015355	1564764	27.84%	1.507%
22	5.525	605	610	613	rVB	2918455	3253979	57.90%	3.134%
23	5.601	620	623	628	rBV3	2457352	3198720	56.92%	3.081%
24	5.642	628	630	632	rBV2	135783	130182	2.32%	0.125%
25	5.672	632	635	636	rBV3	229155	244576	4.35%	0.236%
26	5.707	636	641	645	rVV6	725392	1499325	26.68%	1.444%
27	5.754	645	649	650	rVV2	738709	1055618	18.78%	1.017%
28	5.772	650	652	655	rVV2	1199564	1416086	25.20%	1.364%
29	5.819	655	660	662	rVB	4750386	5619799	100.00%	5.413%
30	5.860	662	667	670	rBV4	990907	1767166	31.45%	1.702%
31	5.931	676	679	680	rBV	1494811	1409390	25.08%	1.358%
32	5.948	680	682	687	rVB3	2883423	4024529	71.61%	3.877%
33	5.995	687	690	693	rVB	1306269	1430987	25.46%	1.378%
34	6.025	693	695	697	rBV3	855695	886015	15.77%	0.853%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.054	697	700	702	rBV2	853763	837864	14.91%	0.807%
36	6.084	702	705	707	rBV2	1019483	1235774	21.99%	1.190%
37	6.113	707	710	713	rVB2	2305109	2673125	47.57%	2.575%
38	6.148	713	716	719	rVB	2509840	2211373	39.35%	2.130%
39	6.189	719	723	726	rBV	2852587	3603587	64.12%	3.471%
40	6.225	726	729	730	rBV	1613377	1548349	27.55%	1.491%
41	6.242	730	732	734	rVV	1989635	1697676	30.21%	1.635%
42	6.289	738	740	743	rBV2	645942	658340	11.71%	0.634%
43	6.342	746	749	751	rBV3	283298	348495	6.20%	0.336%
44	6.383	751	756	758	rBV4	1049573	1661556	29.57%	1.601%
45	6.419	758	762	765	rVB2	1851460	2776024	49.40%	2.674%
46	6.454	765	768	770	rBV	769639	794554	14.14%	0.765%
47	6.495	770	775	779	rVV2	3777924	4772094	84.92%	4.597%
48	6.531	779	781	786	rVB3	1274733	1379498	24.55%	1.329%
49	6.583	786	790	792	rBV3	455202	669695	11.92%	0.645%
50	6.619	792	796	799	rVV2	1070947	1423845	25.34%	1.372%
51	6.666	800	804	807	rVB3	677344	1163630	20.71%	1.121%
52	6.701	807	810	817	rVB	2565297	2696687	47.99%	2.598%
53	6.772	817	822	825	rVB4	483463	732555	13.04%	0.706%
54	6.836	827	833	837	rBV4	1565769	2270783	40.41%	2.187%
55	6.872	837	839	841	rVB2	438351	292725	5.21%	0.282%
56	6.919	844	847	851	rBV2	691538	905885	16.12%	0.873%
57	6.960	851	854	857	rVB3	901808	860752	15.32%	0.829%
58	7.001	857	861	867	rVB4	894457	1143082	20.34%	1.101%
59	7.054	867	870	877	rBV5	781827	1020374	18.16%	0.983%
60	7.154	885	887	889	rBV	163736	134152	2.39%	0.129%
61	7.213	894	897	898	rBV	244648	213939	3.81%	0.206%
62	7.260	901	905	907	rVV	995645	1066010	18.97%	1.027%
63	7.283	907	909	911	rVV	1147770	892148	15.88%	0.859%
64	7.313	911	914	922	rVB7	274251	489950	8.72%	0.472%
65	7.378	922	925	929	rBV2	727439	725651	12.91%	0.699%
66	7.436	932	935	937	rVB2	101368	94643	1.68%	0.091%
67	7.495	942	945	948	rBV2	189082	171603	3.05%	0.165%
68	7.525	948	950	955	rVB3	128056	143267	2.55%	0.138%
69	7.636	966	969	972	rVB2	174690	175092	3.12%	0.169%
70	7.678	972	976	979	rVB4	130026	208545	3.71%	0.201%
71	7.719	979	983	984	rBV3	173500	181972	3.24%	0.175%

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72	7.760	988	990	993	rVB2	141931	110832	1.97%	0.107%
73	7.813	995	999	1002	rBV2	314397	377988	6.73%	0.364%
74	8.019	1032	1034	1042	rVB2	390982	439801	7.83%	0.424%
75	8.460	1107	1109	1116	rVB5	84700	104988	1.87%	0.101%
76	8.548	1121	1124	1126	rBV	190364	201045	3.58%	0.194%
77	8.577	1126	1129	1133	rVB	2921870	2998495	53.36%	2.888%
78	8.719	1150	1153	1157	rBV2	187766	199424	3.55%	0.192%
79	8.889	1179	1182	1186	rBV	54060	88574	1.58%	0.085%
80	8.983	1195	1198	1200	rBV	99612	108718	1.93%	0.105%
81	9.083	1211	1215	1218	rBV	512693	532458	9.47%	0.513%
82	9.113	1218	1220	1223	rVB2	191322	163938	2.92%	0.158%
83	9.283	1247	1249	1252	rVB	92479	91318	1.62%	0.088%
84	9.372	1260	1264	1265	rBV	239317	256963	4.57%	0.248%
85	9.389	1265	1267	1276	rVB2	686148	717292	12.76%	0.691%
86	9.530	1289	1291	1299	rVB6	54138	97051	1.73%	0.093%
87	9.701	1316	1320	1323	rBV3	63552	97702	1.74%	0.094%
88	9.807	1334	1338	1341	rBV4	64105	103390	1.84%	0.100%
89	9.895	1350	1353	1356	rBV3	76703	101242	1.80%	0.098%
90	9.983	1366	1368	1375	rBV	195142	216647	3.86%	0.209%
91	10.260	1412	1415	1418	rVB	117470	139924	2.49%	0.135%
92	10.371	1429	1434	1441	rBV	1331342	1495206	26.61%	1.440%
93	10.571	1465	1468	1470	rBV	245395	267381	4.76%	0.258%
94	11.124	1559	1562	1566	rBV2	222714	235733	4.19%	0.227%
95	11.160	1566	1568	1573	rVB	132104	142209	2.53%	0.137%
96	11.213	1574	1577	1581	rBV	518105	563742	10.03%	0.543%
97	11.654	1649	1652	1659	rVB	196254	281392	5.01%	0.271%
98	12.160	1736	1738	1744	rVB	172384	194881	3.47%	0.188%
99	12.642	1818	1820	1824	rVB	138528	145193	2.58%	0.140%
100	13.201	1910	1915	1920	rBV	1387141	1890342	33.64%	1.821%

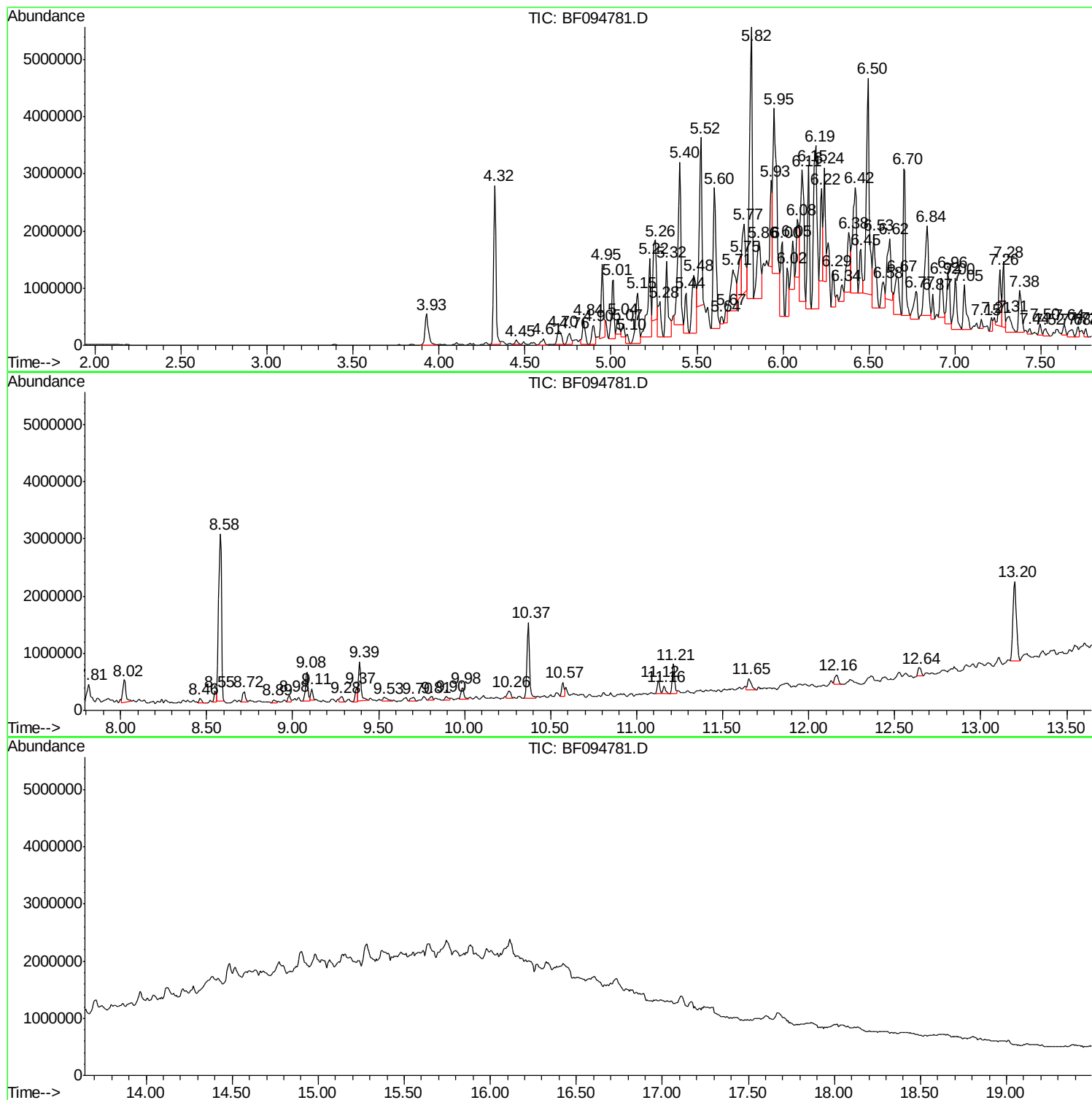
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AST-E(2.5-3)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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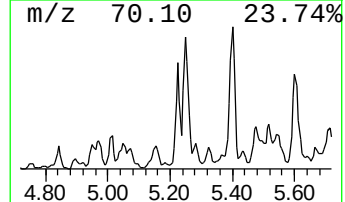
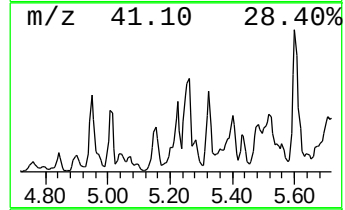
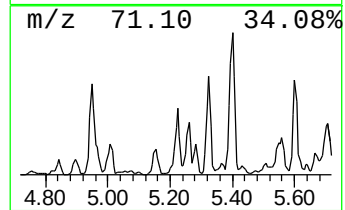
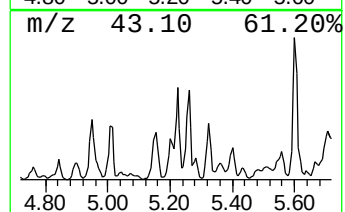
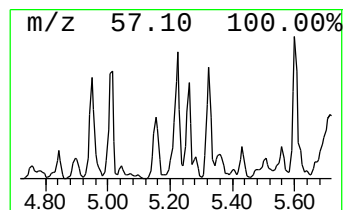
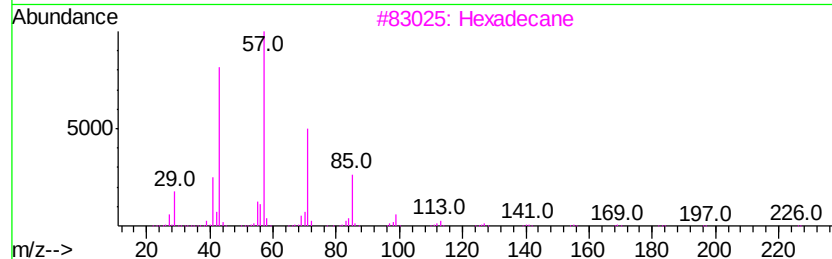
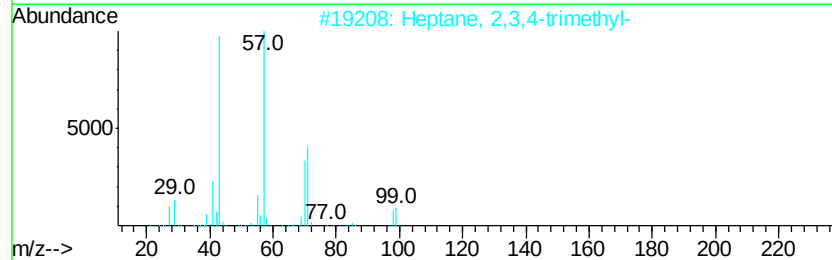
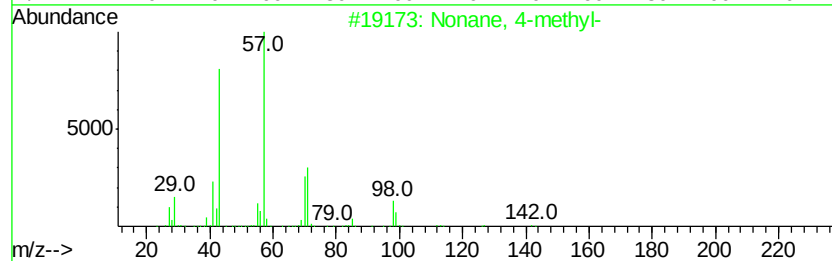
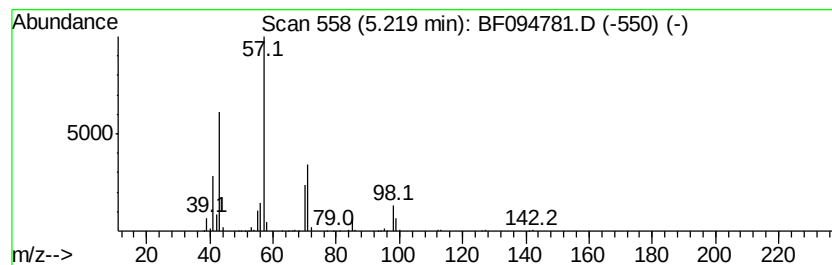
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Nonane, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	25.84 ng	1829430	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	94
2		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
3		Hexadecane	226	C16H34	000544-76-3	53
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	53



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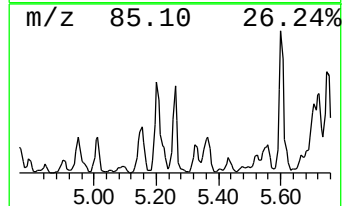
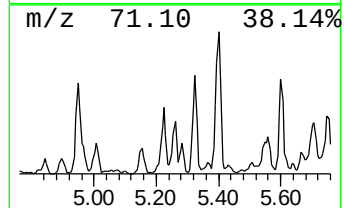
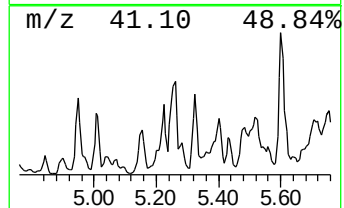
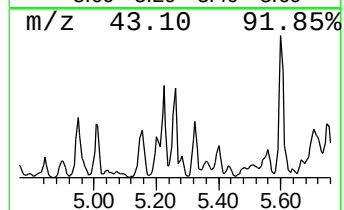
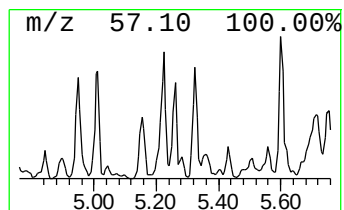
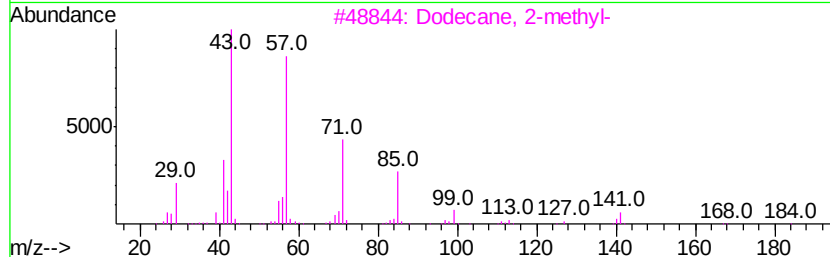
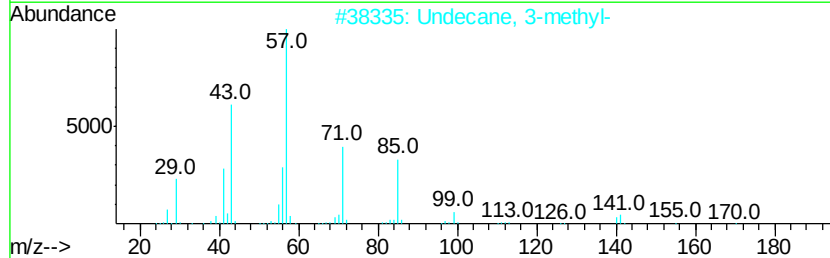
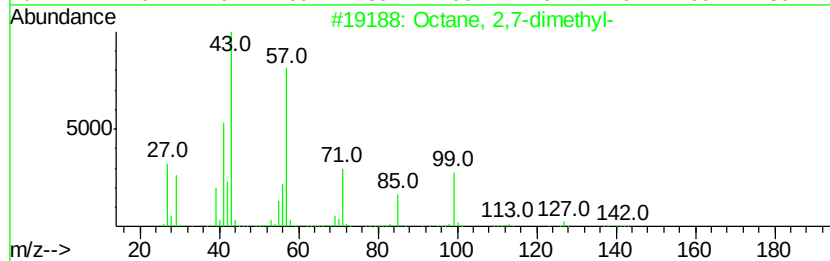
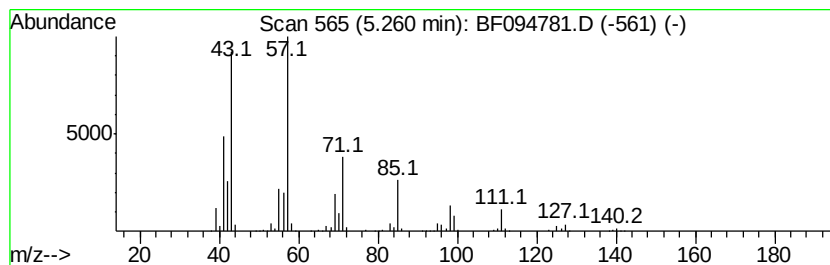
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octane, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	29.00 ng	2053510	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	64
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	50
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	50
4		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	50
5		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50



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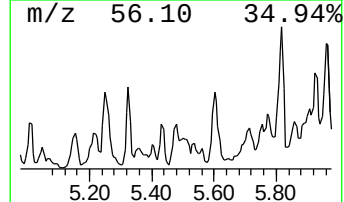
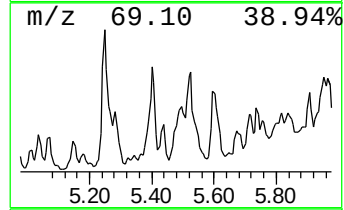
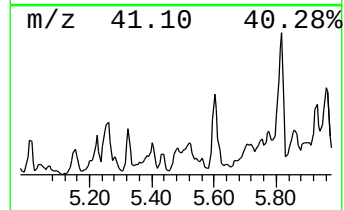
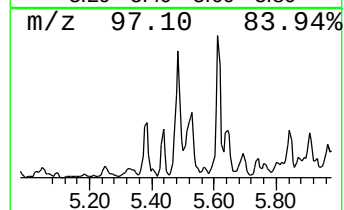
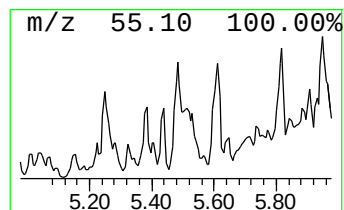
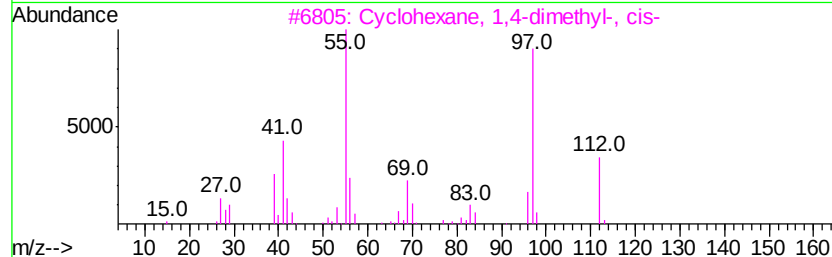
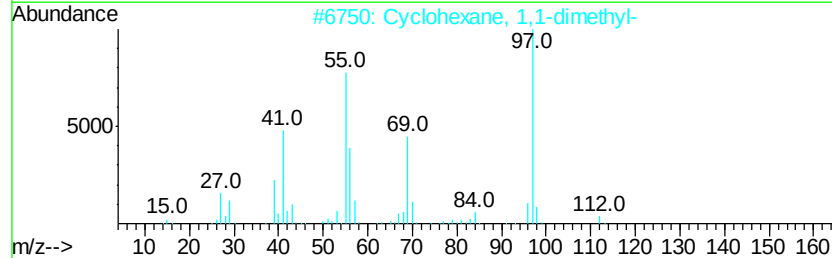
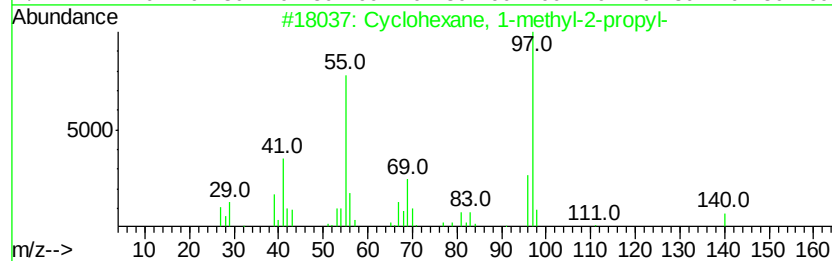
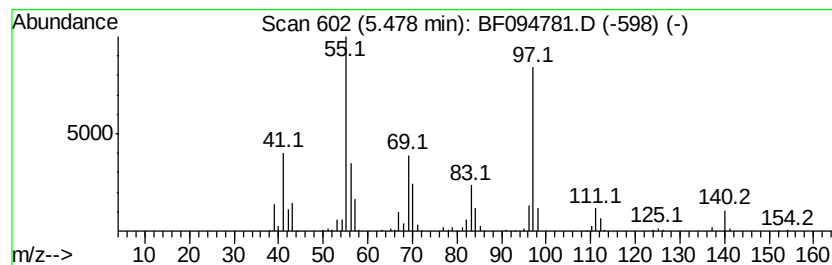
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-methyl-2-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	22.10 ng	1564760	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	80
2		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72
4		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
Misc :
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Instrument :
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ClientSampleId :
AST-E(2.5-3)

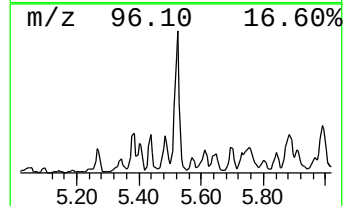
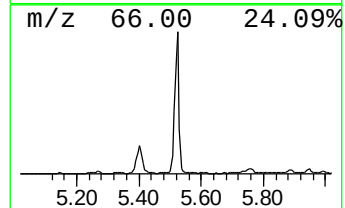
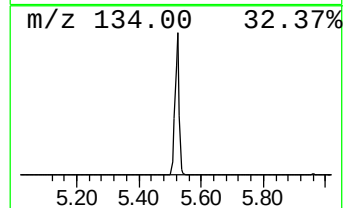
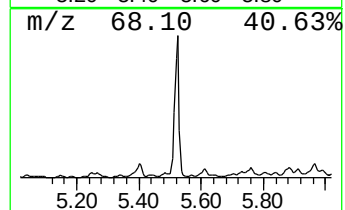
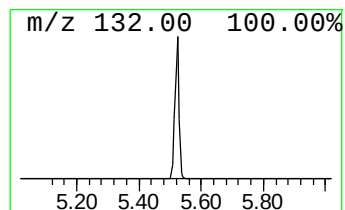
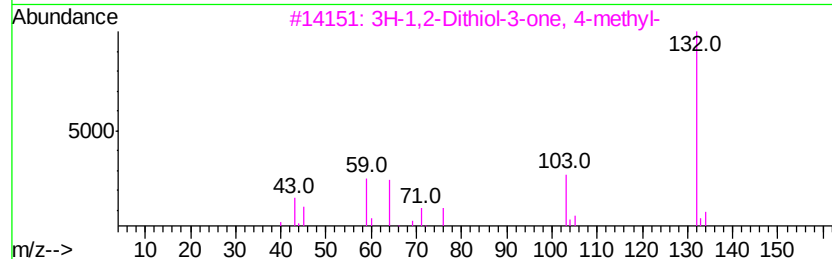
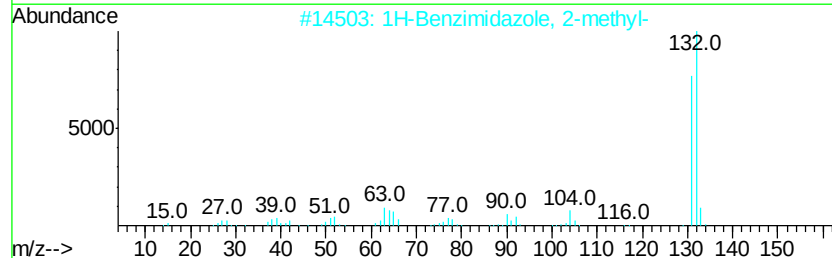
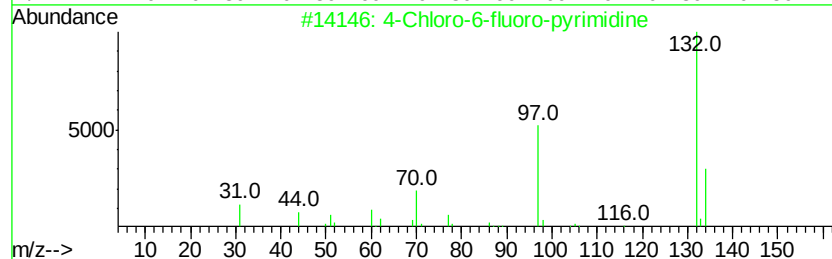
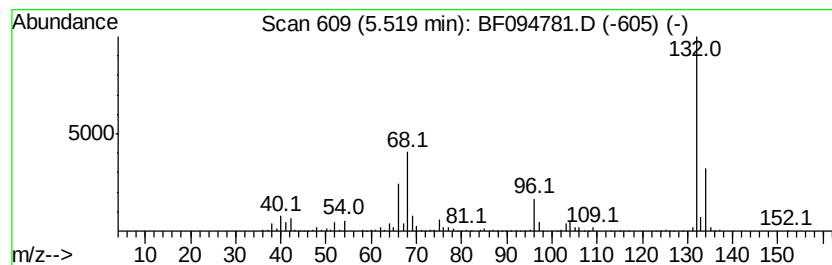
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown5.52 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	45.96 ng	3253980	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	12
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3		3H-1,2-Dithiol-3-one, 4-methyl-	132	C4H4OS2	003620-10-8	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
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ClientSampleId :
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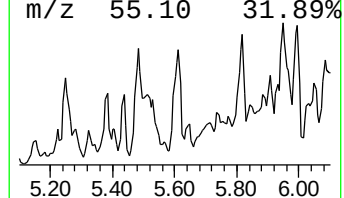
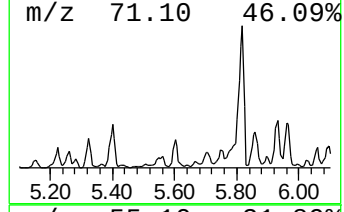
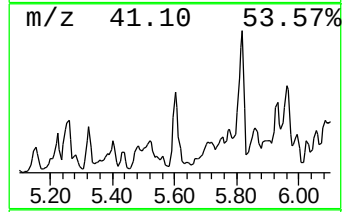
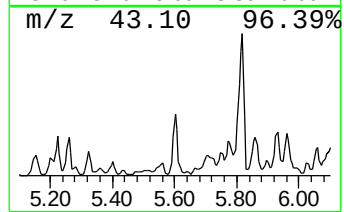
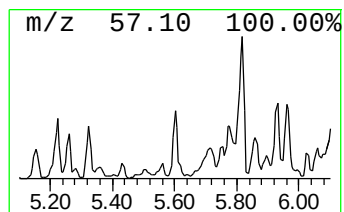
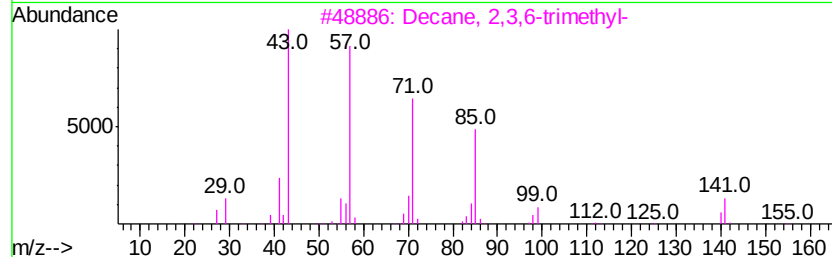
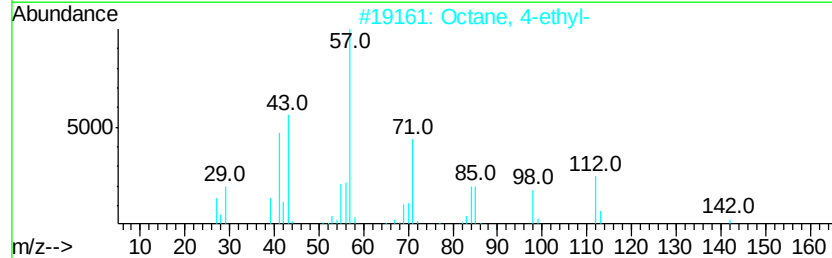
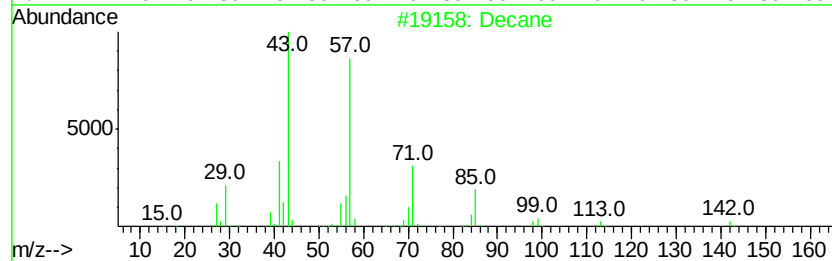
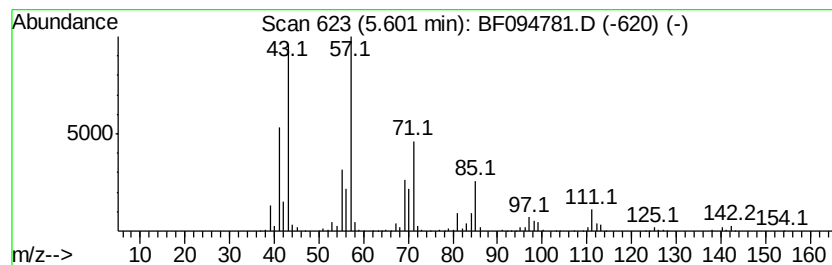
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Decane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	45.18 ng	3198720	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	70
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	53
4		Nonane	128	C9H20	000111-84-2	53
5		Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
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Instrument :
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ClientSampleId :
AST-E(2.5-3)

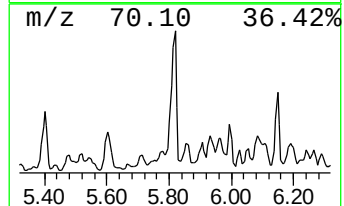
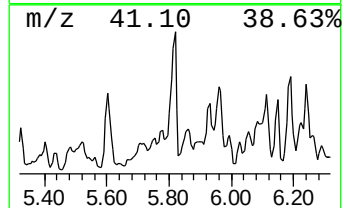
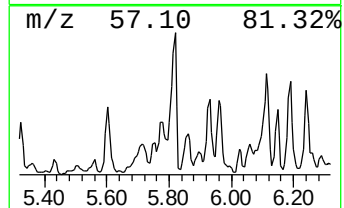
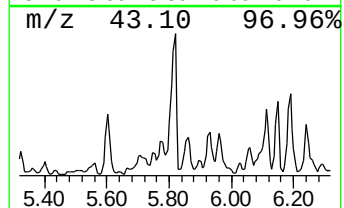
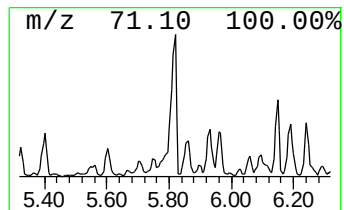
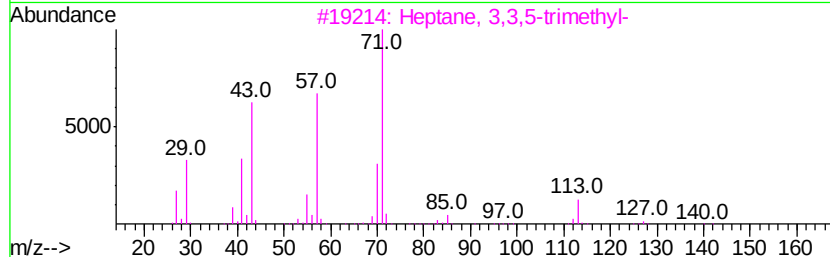
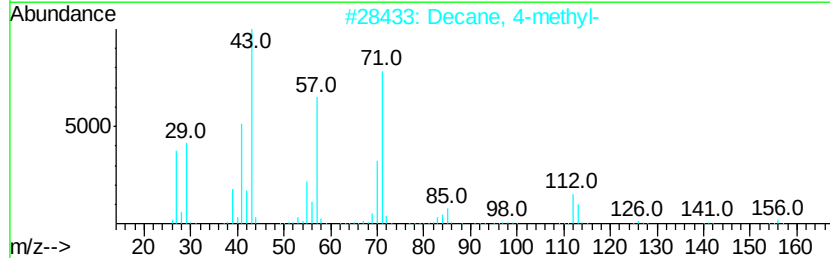
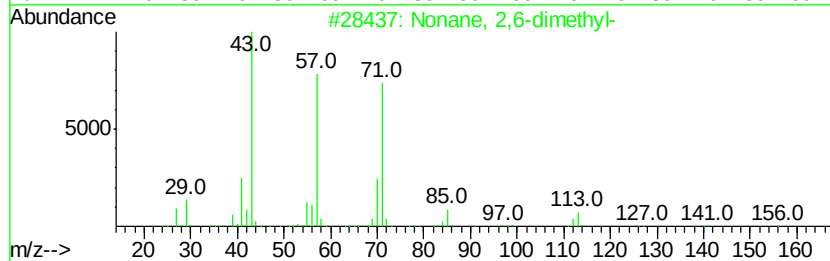
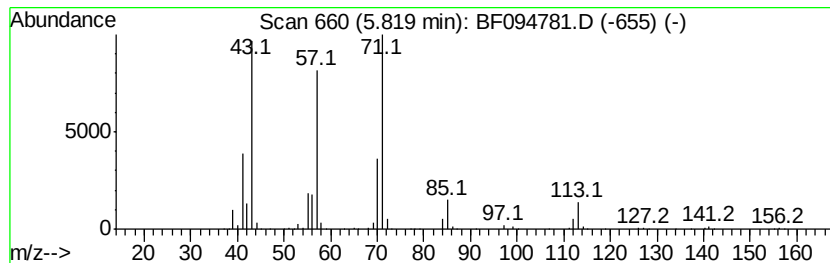
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	79.37 ng	5619800	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	91
2		Decane, 4-methyl-	156	C11H24	002847-72-5	83
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4		Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
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Instrument :
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ClientSampleId :
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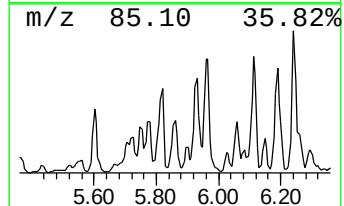
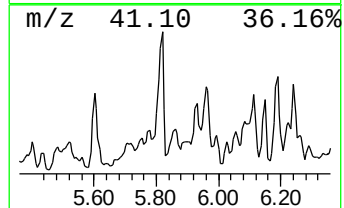
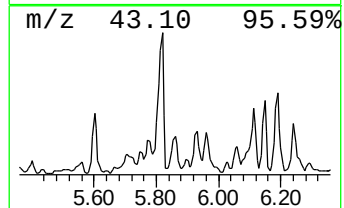
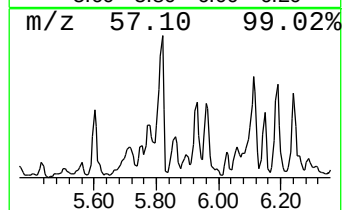
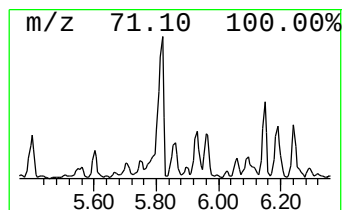
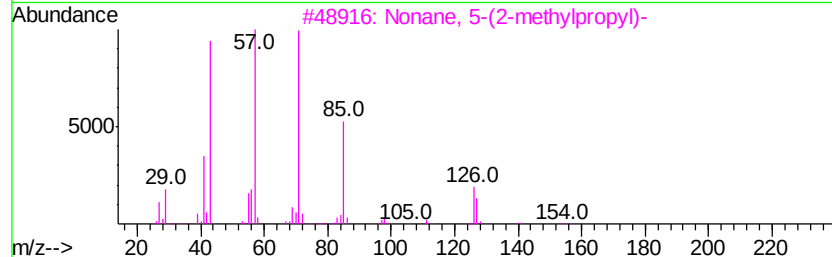
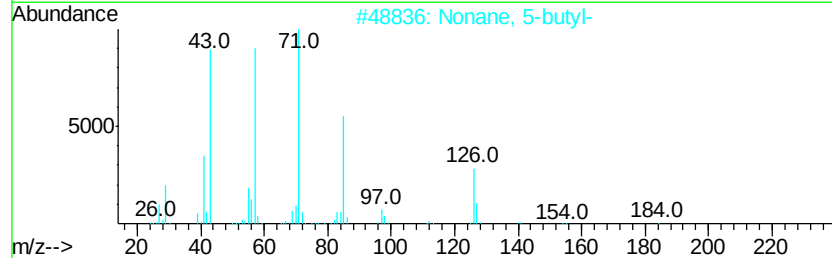
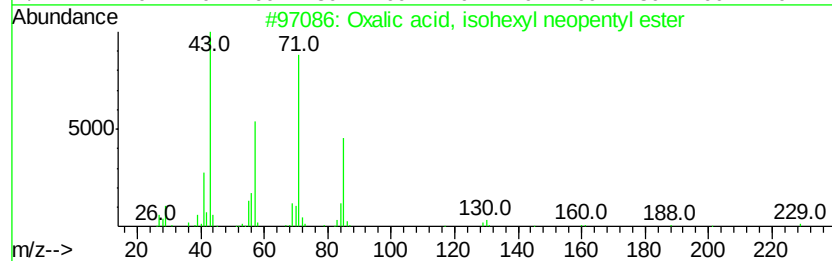
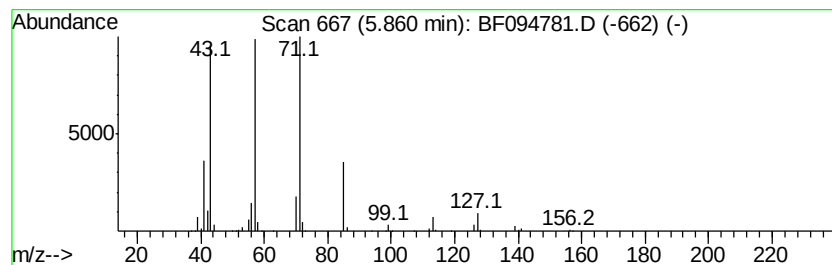
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Oxalic acid, isohexyl neope... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.86	24.96 ng	1767170	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	72
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	72
3		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
5		2-Butene, 1-butoxy-3-methyl-	142	C9H18O	022094-02-6	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
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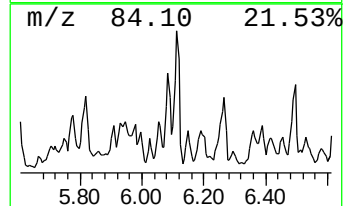
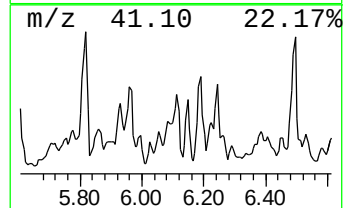
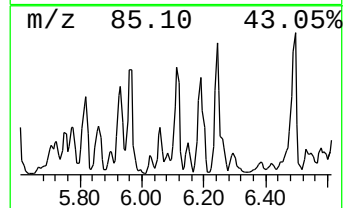
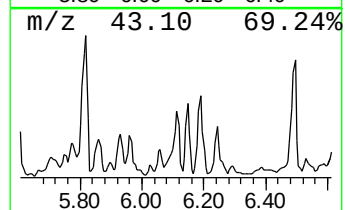
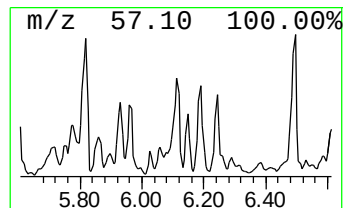
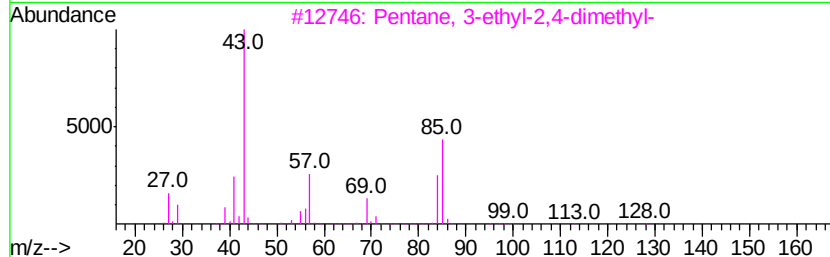
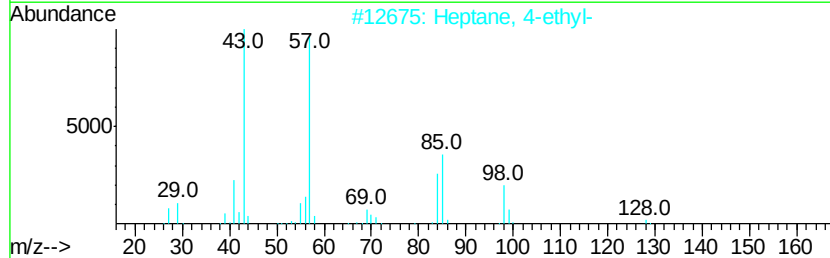
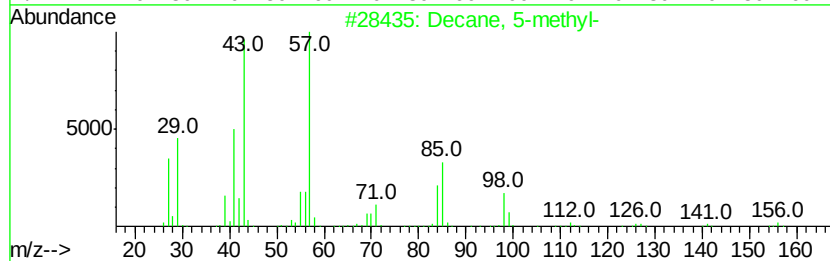
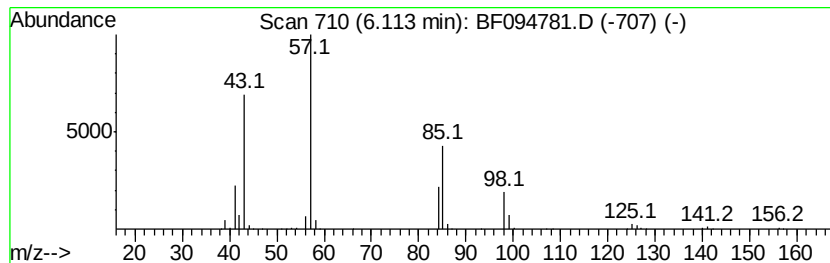
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Decane, 5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	37.75 ng	2673130	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	64
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	64
3		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	47
4		Oxalic acid, 6-ethyloct-3-yl pro...	272	C15H28O4	1000309-34-0	47
5		Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
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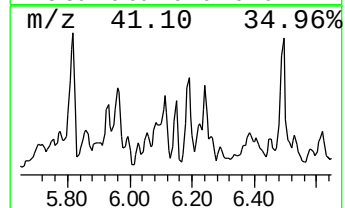
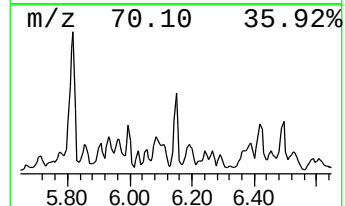
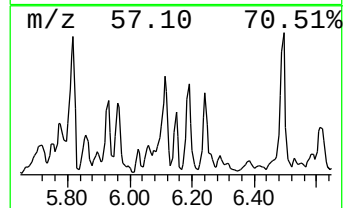
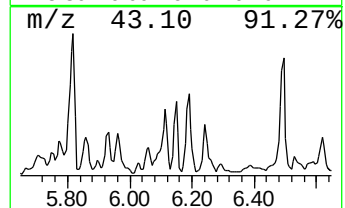
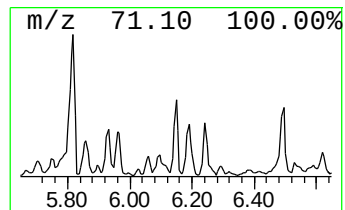
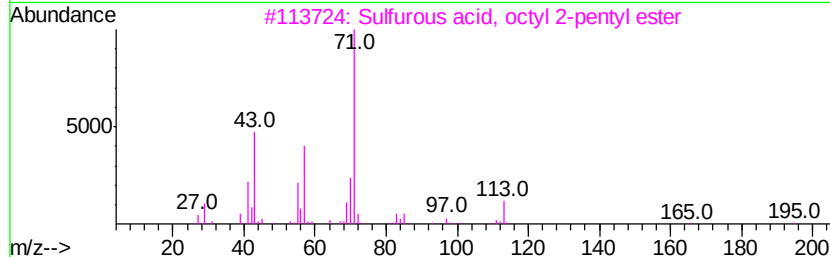
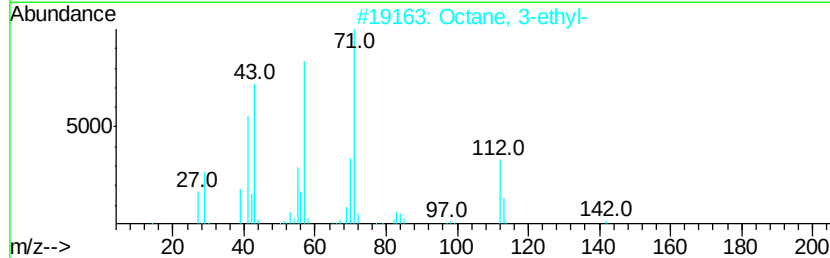
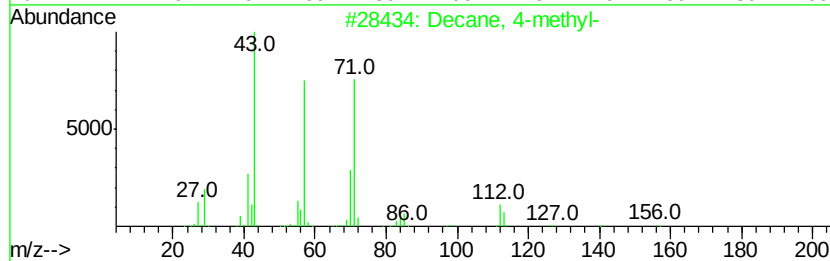
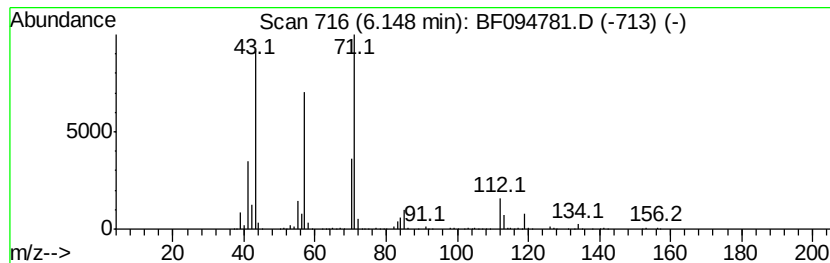
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Decane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	31.23 ng	2211370	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	70
2		Octane, 3-ethyl-	142	C10H22	005881-17-4	64
3		Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	64
4		Undecane, 4-methyl-	170	C12H26	002980-69-0	64
5		Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
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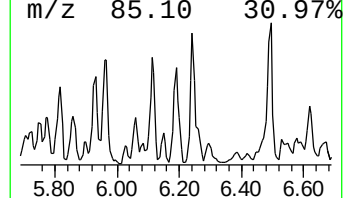
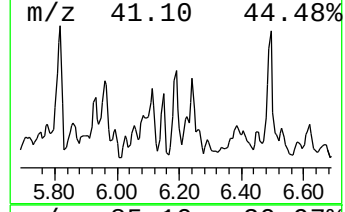
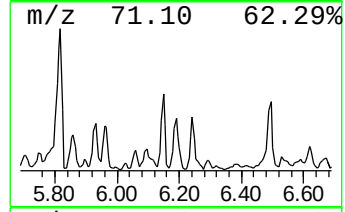
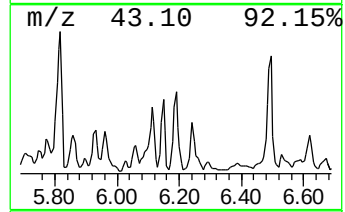
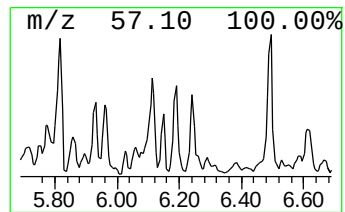
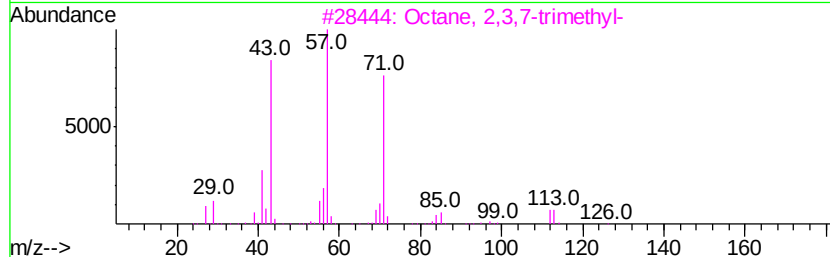
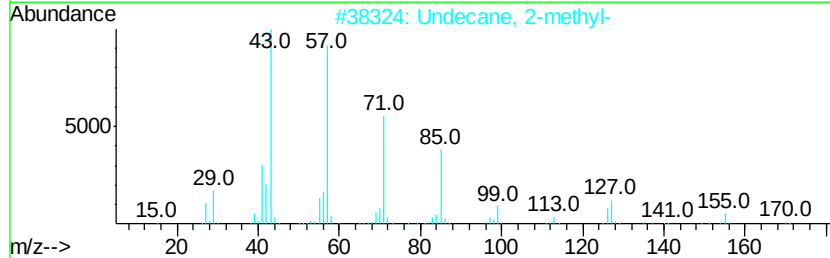
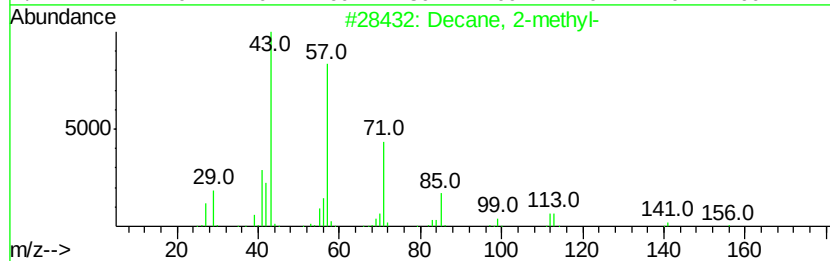
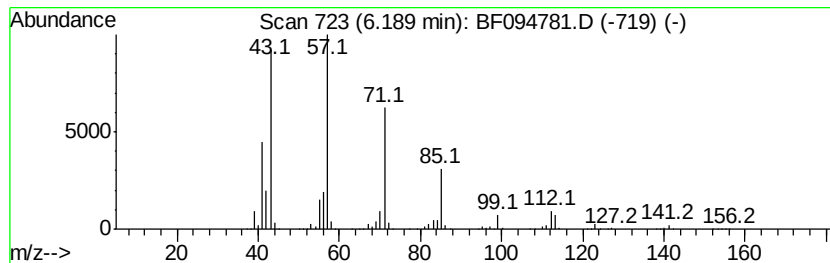
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Decane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	50.90 ng	3603590	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	76
2		Undecane, 2-methyl-	170	C12H26	007045-71-8	72
3		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
4		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
5		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AST-E(2.5-3)

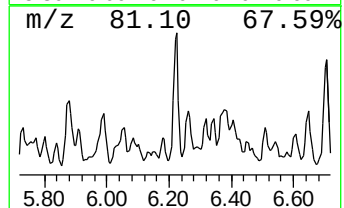
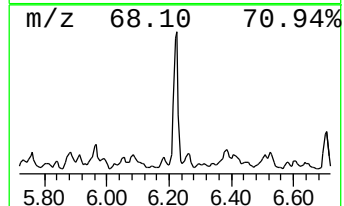
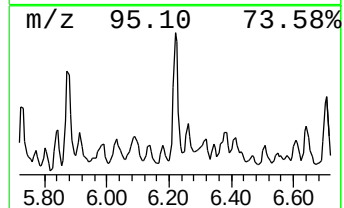
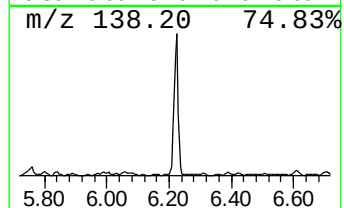
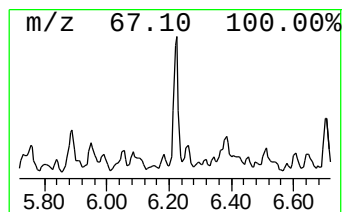
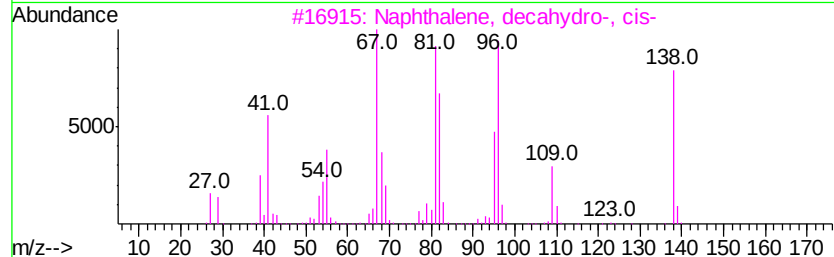
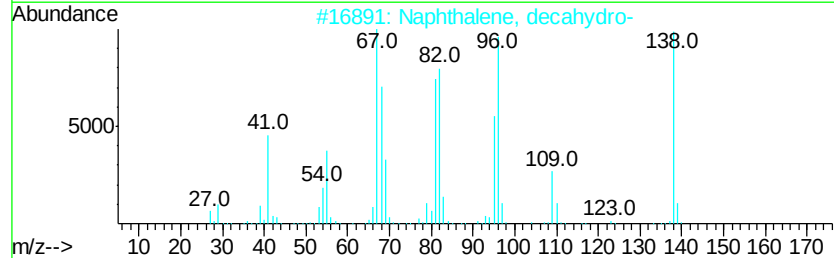
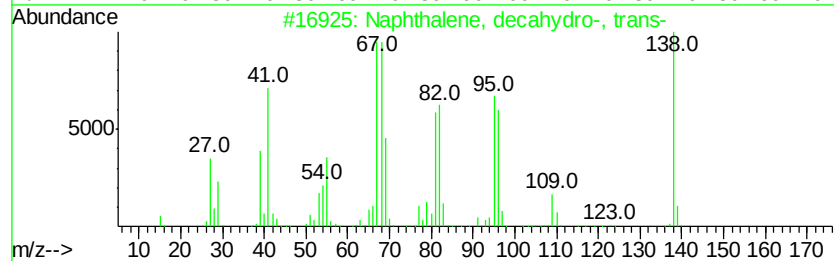
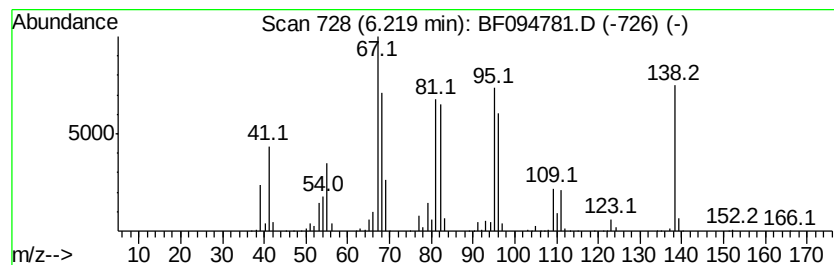
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, decahydro-, tr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	21.87 ng	1548350	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	91
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	86
4		Cyclodecene	138	C10H18	003618-12-0	74
5		Spiro[4.5]decane	138	C10H18	000176-63-6	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
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Operator : SJ/MA
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Instrument :
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ClientSampleId :
AST-E(2.5-3)

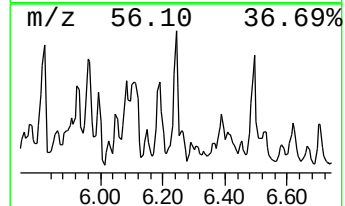
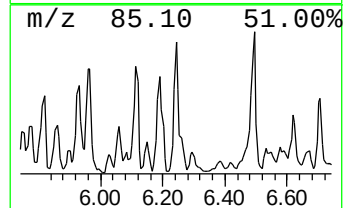
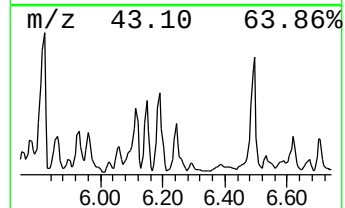
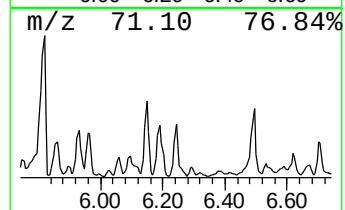
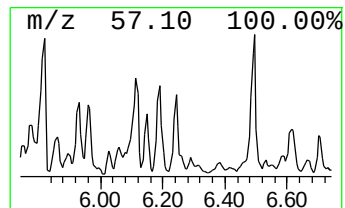
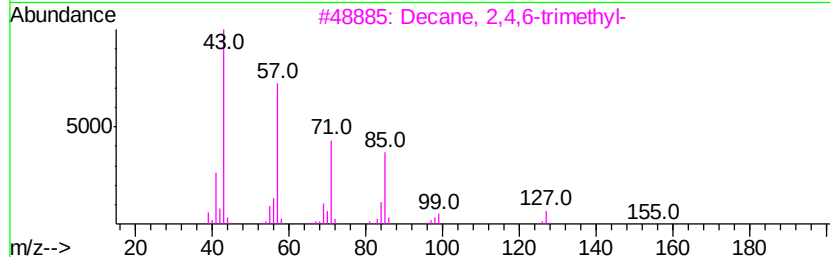
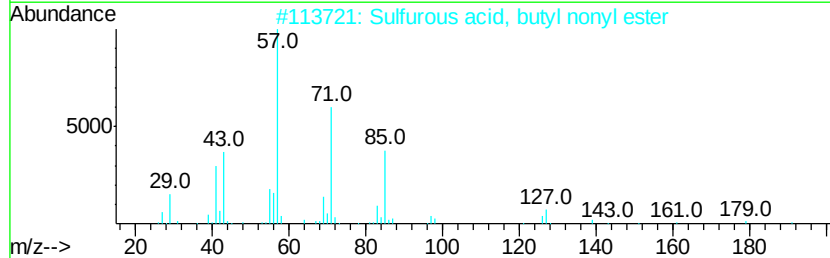
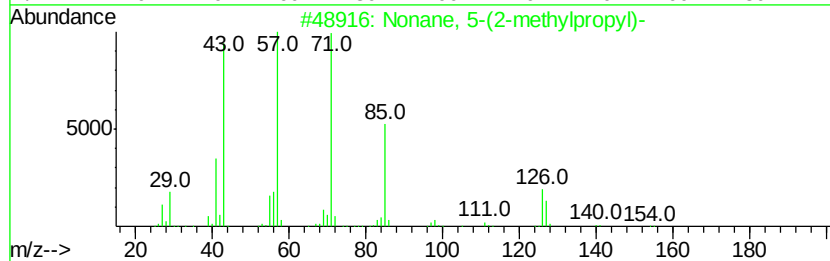
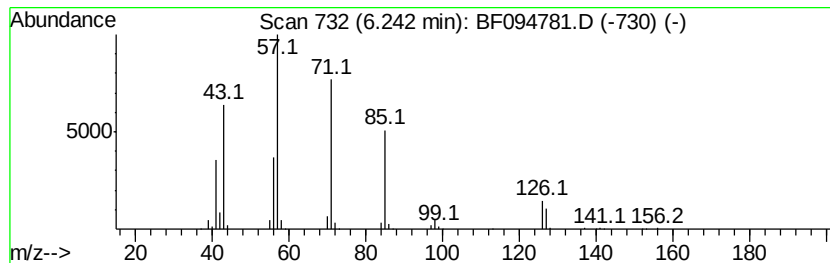
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Nonane, 5-(2-methylpropyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	23.98 ng	1697680	1,4-Dichlorobenzene-d4	5.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	86
2		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	78
3		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	72
4		Decane, 3-methyl-	156	C11H24	013151-34-3	70
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AST-E(2.5-3)

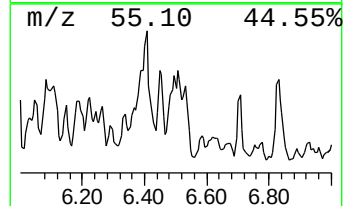
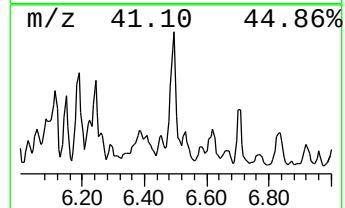
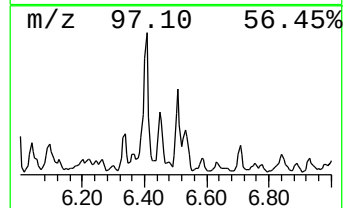
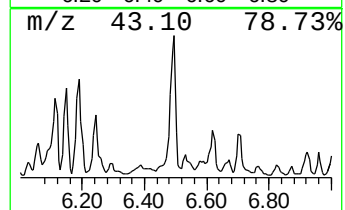
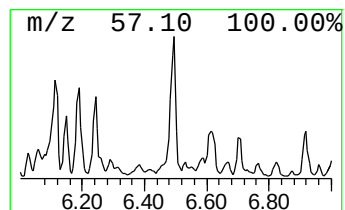
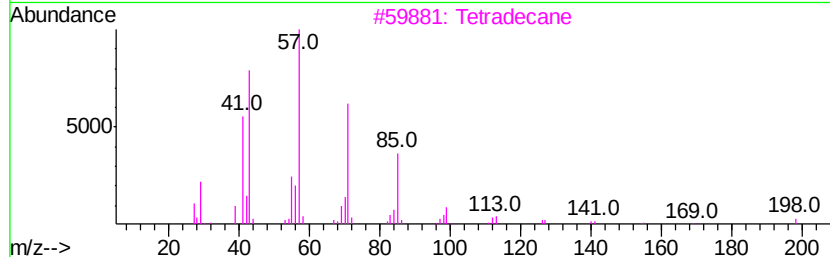
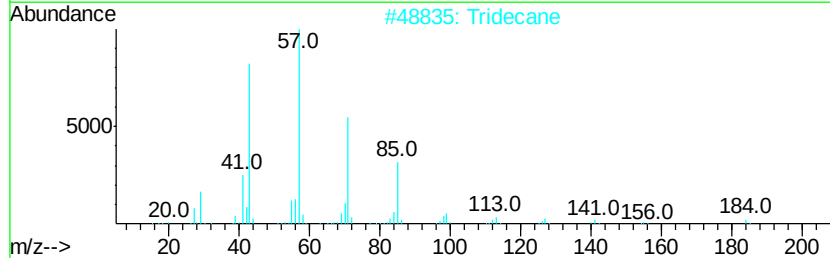
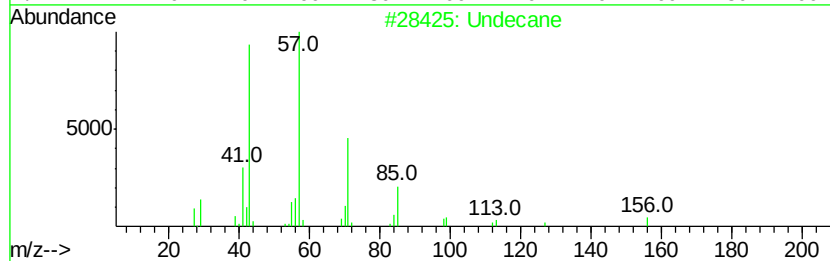
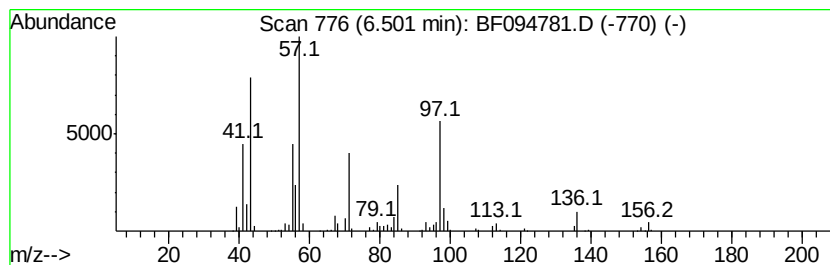
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	67.40 ng	4772090	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	78
5	Hexadecane	226	C16H34	000544-76-3	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
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AST-E(2.5-3)

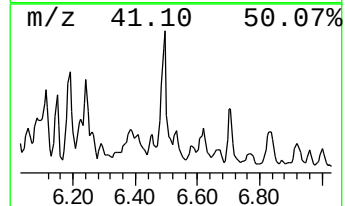
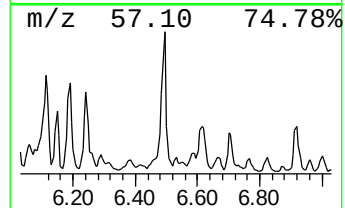
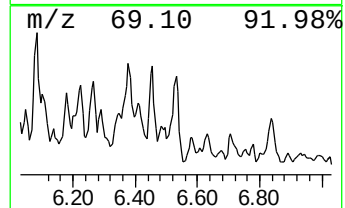
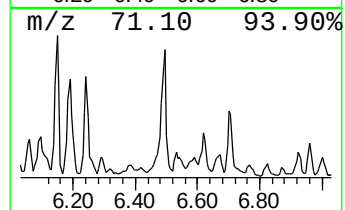
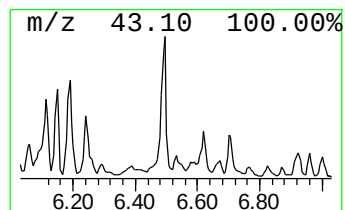
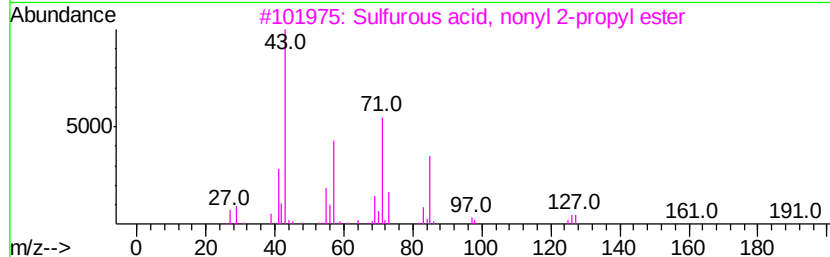
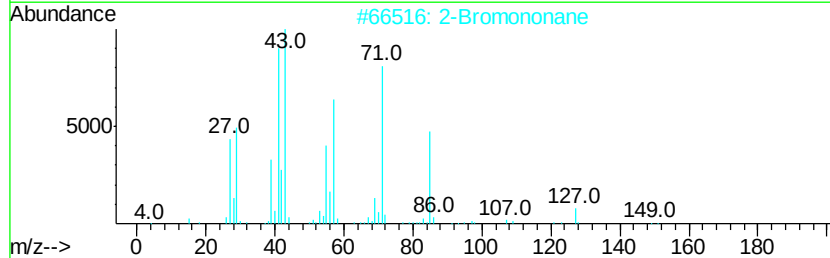
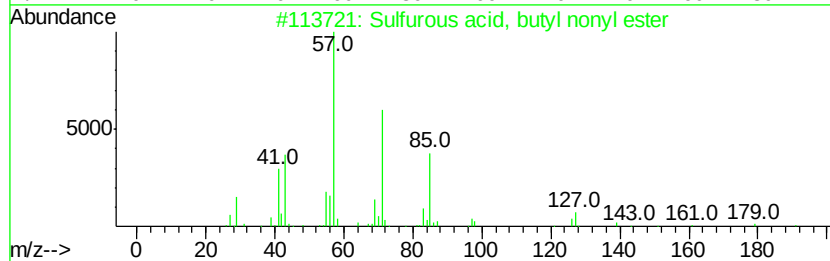
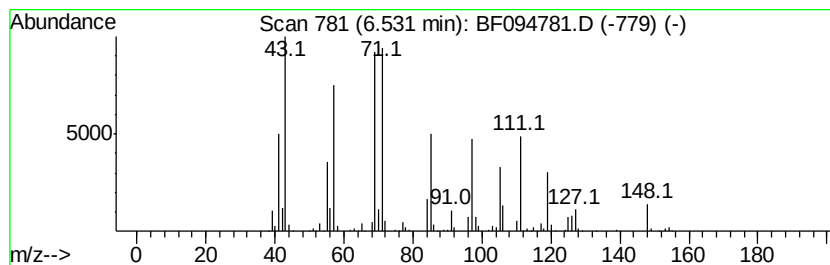
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown6.53 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	25.88 ng	1379500	Naphthalene-d8	7.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	30
2			2-Bromononane	206	C9H19Br	002216-35-5	27
3			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	27
4			2-Butenamide, N,2,3-trimethyl-	127	C7H13NO	001186-87-4	25
5			Cyclooctane, butyl-	168	C12H24	016538-93-5	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
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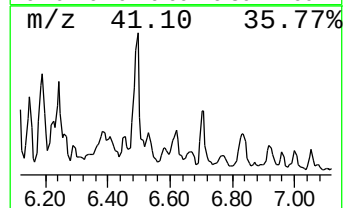
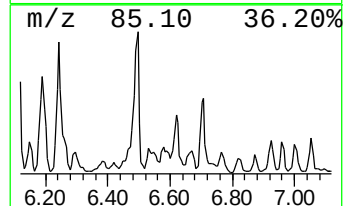
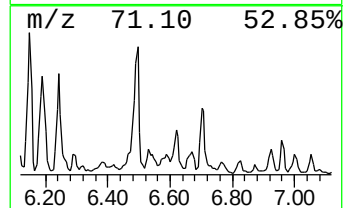
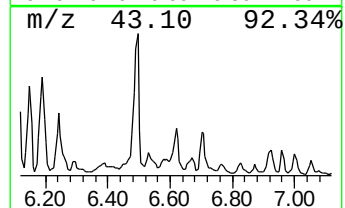
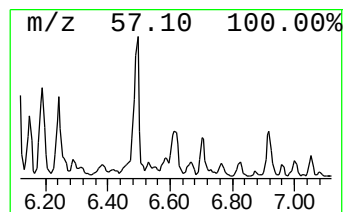
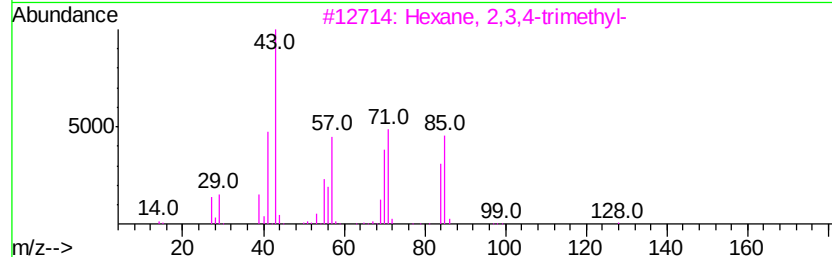
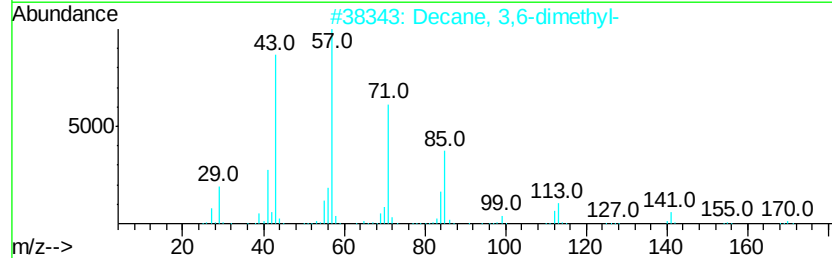
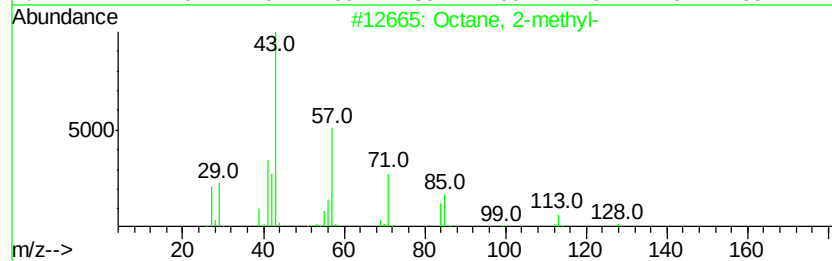
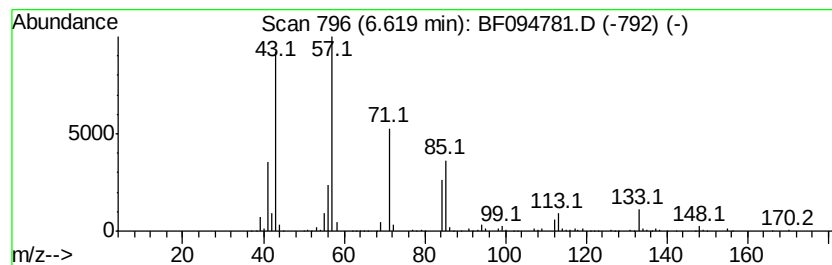
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Octane, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	26.71 ng	1423850	Napthalene-d8	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	86
2		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
4		Octane, 4-methyl-	128	C9H20	002216-34-4	53
5		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
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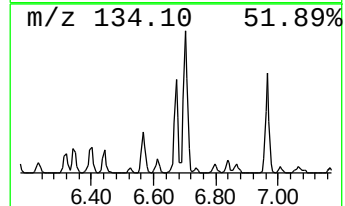
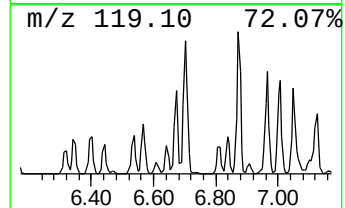
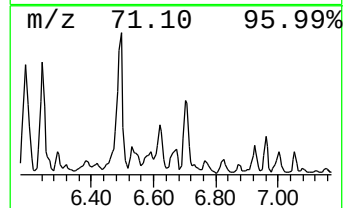
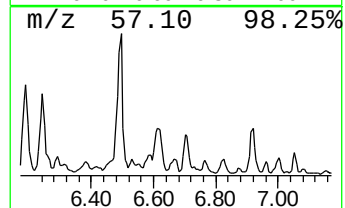
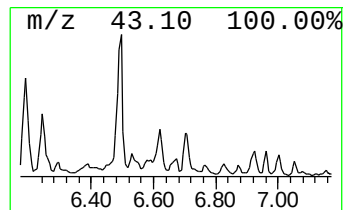
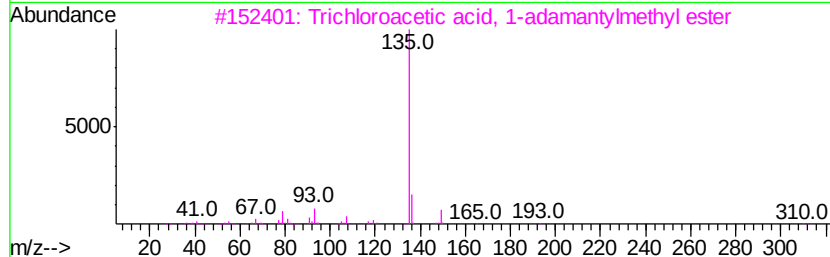
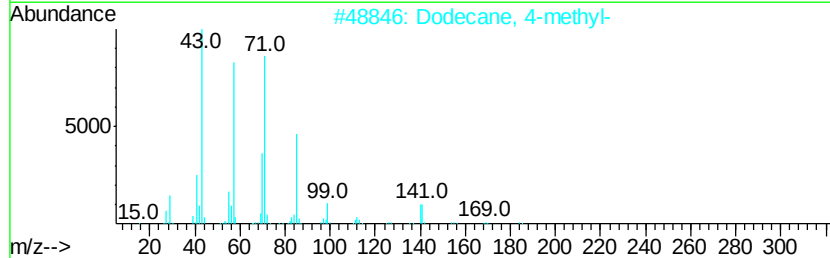
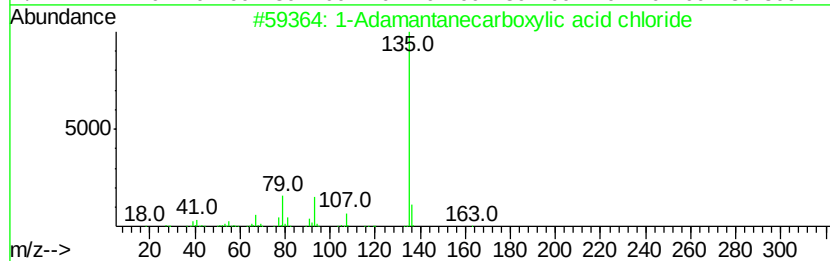
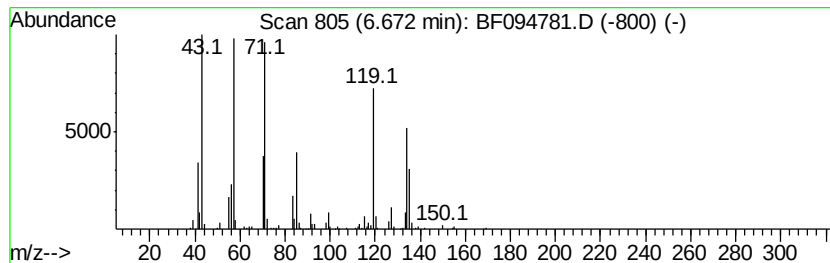
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown6.67 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	21.83 ng	1163630	Napthalene-d8	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Adamantanecarboxylic acid chlo...	198	C11H15ClO	002094-72-6	22
2		Dodecane, 4-methyl-	184	C13H28	006117-97-1	22
3		Trichloroacetic acid, 1-adamantv...	310	C13H17Cl3O2	1000282-92-0	22
4		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	22
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
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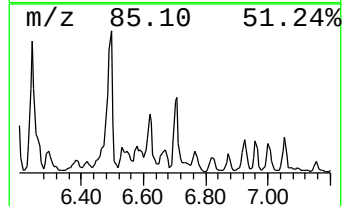
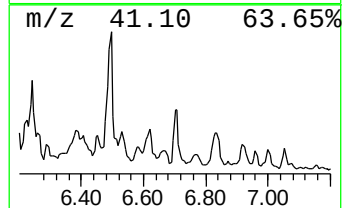
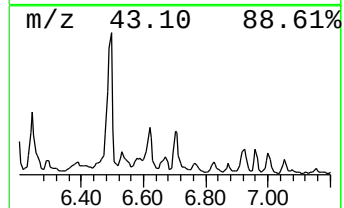
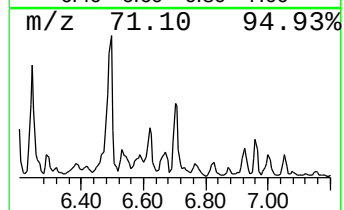
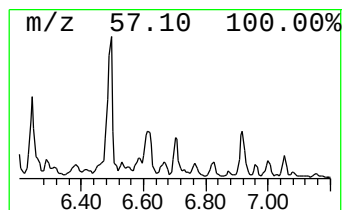
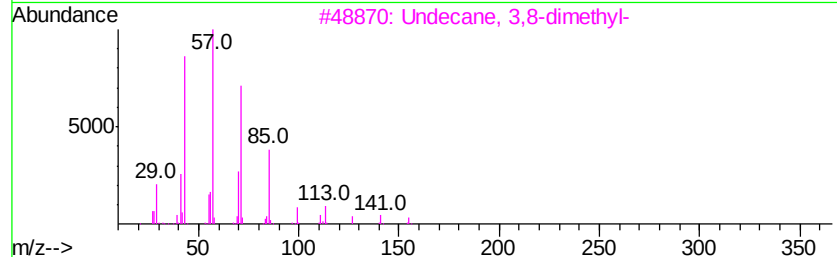
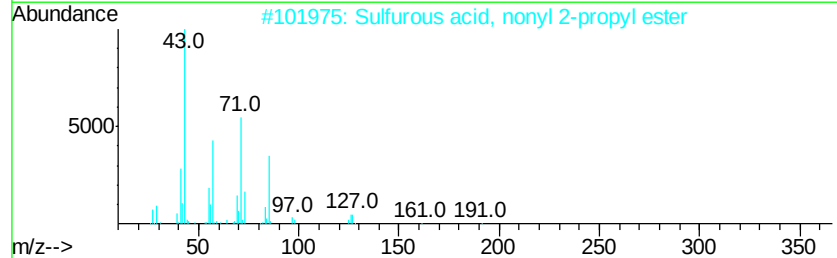
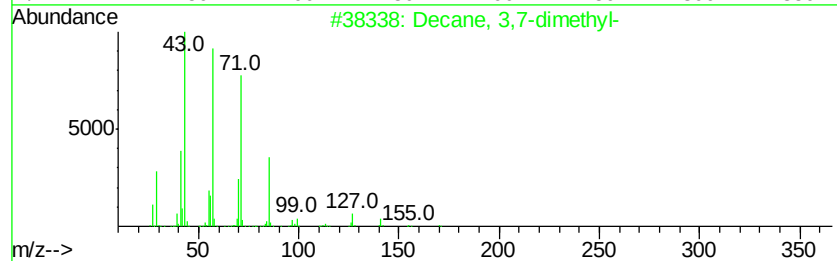
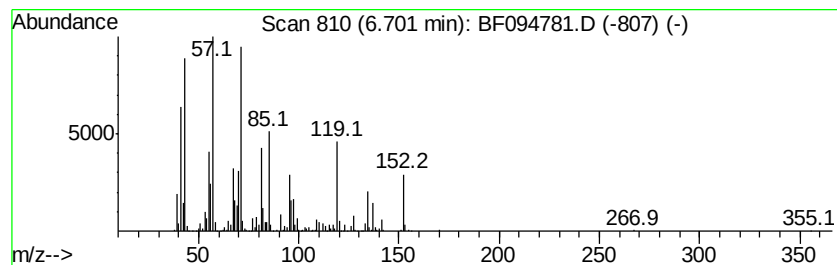
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BNA_F
ClientSampleId :
AST-E(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Decane, 3,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	50.59 ng	2696690	Naphthalene-d8	7.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3,7-dimethyl-	170 C12H26	017312-54-8	50
2	Sulfurous acid, nonyl 2-propyl e...	250 C12H26O3S	1000309-12-0	38
3	Undecane, 3,8-dimethyl-	184 C13H28	017301-30-3	38
4	Methoxyacetic acid, 2-tetradecyl...	286 C17H34O3	1000282-04-8	38
5	Tridecane, 3-methyl-	198 C14H30	006418-41-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-E(2.5-3)

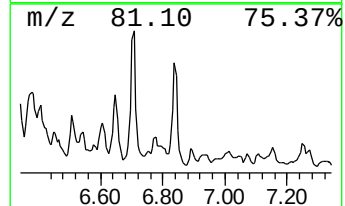
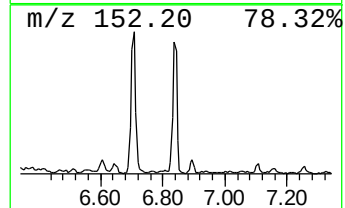
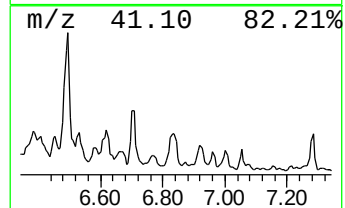
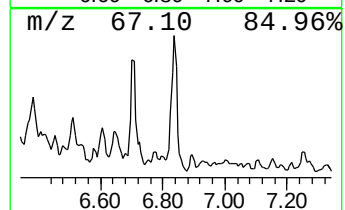
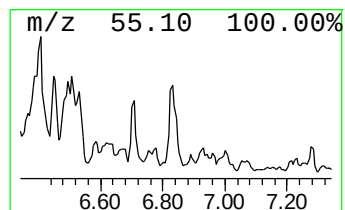
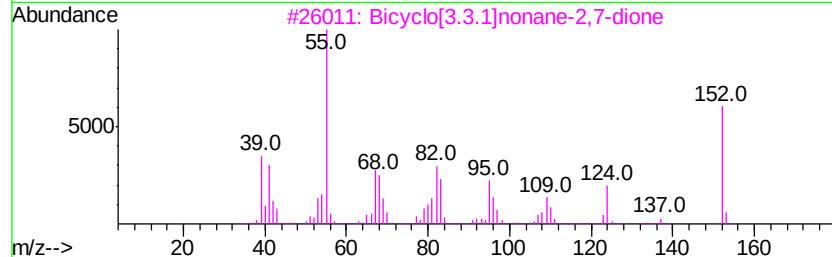
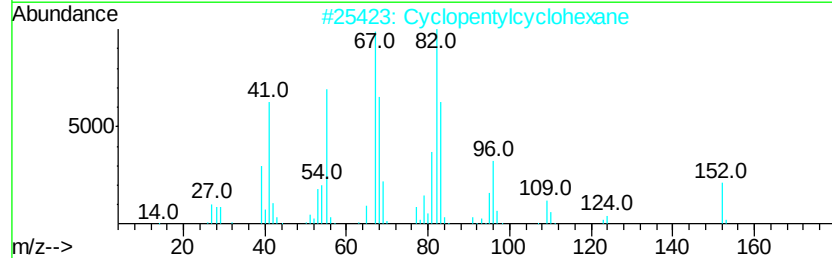
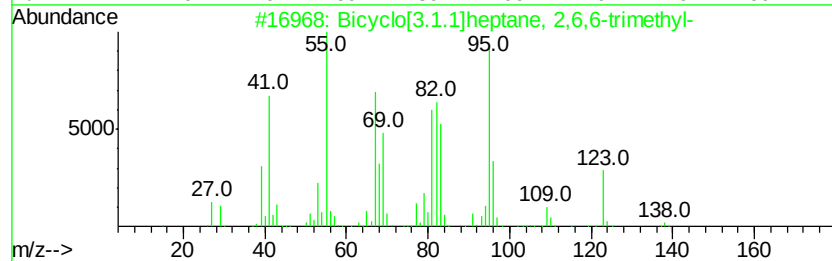
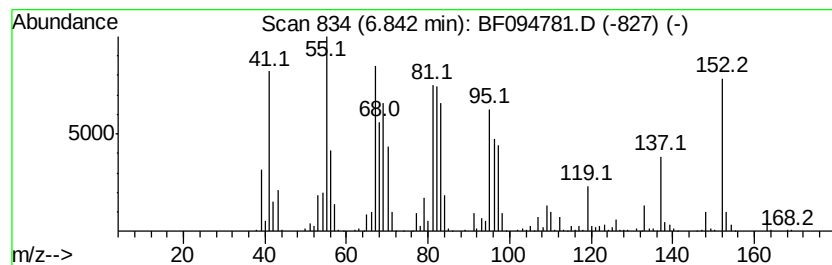
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	42.60 ng	2270780	Napthalene-d8	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	62
2		Cyclopentylcyclohexane	152	C11H20	001606-08-2	58
3		Bicyclo[3.3.1]nonane-2,7-dione	152	C9H12O2	1000210-30-3	58
4		Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	53
5		Cycloundecene(E)	152	C11H20	013151-60-5	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094781.D
Acq On : 2 May 2017 6:24
Operator : SJ/MA
Sample : I2892-04
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
AST-E(2.5-3)

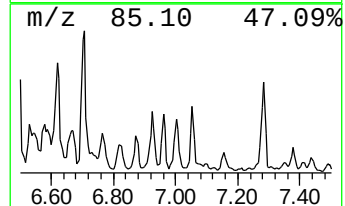
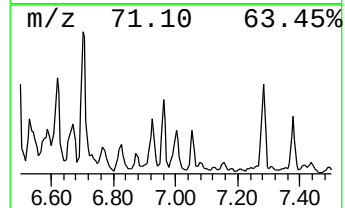
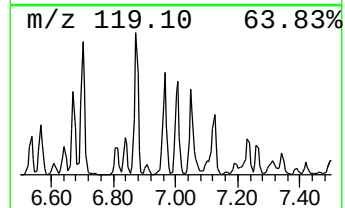
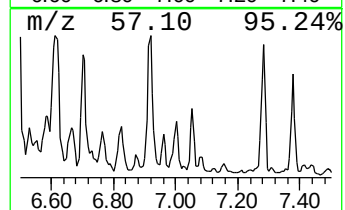
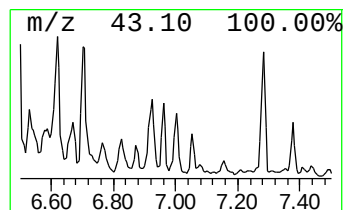
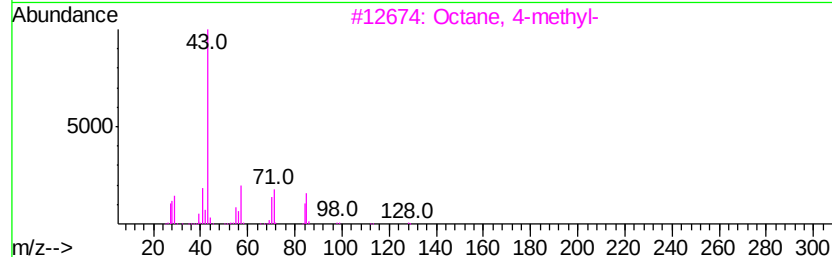
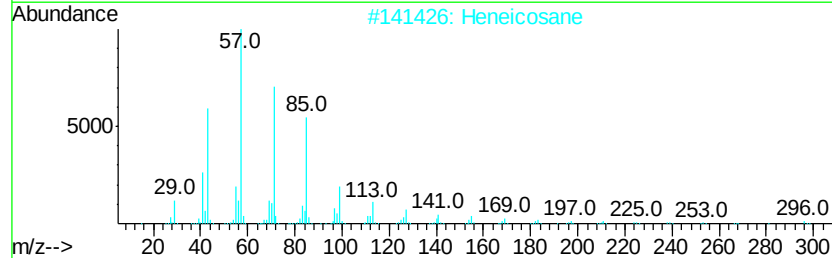
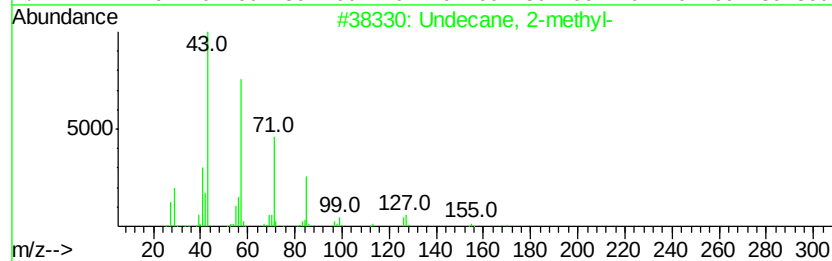
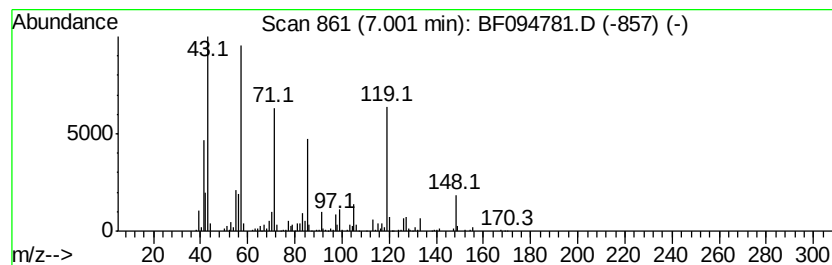
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Undecane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	21.45 ng	1143080	Napthalene-d8	7.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2-methyl-	170	C12H26	007045-71-8	70
2		Heneicosane	296	C21H44	000629-94-7	50
3		Octane, 4-methyl-	128	C9H20	002216-34-4	49
4		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	49
5		Hexadecane	226	C16H34	000544-76-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050117\
 Data File : BF094781.D
 Acq On : 2 May 2017 6:24
 Operator : SJ/MA
 Sample : I2892-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-E(2.5-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Nonane, 4-methyl-	5.22	25.8	ng	1829430	1	5.77	1416090	20.0
Octane, 2,7-dimet...	5.26	29.0	ng	2053510	1	5.77	1416090	20.0
Cyclohexane, 1-me...	5.48	22.1	ng	1564760	1	5.77	1416090	20.0
unknown5.52	5.52	46.0	ng	3253980	1	5.77	1416090	20.0
Decane	5.60	45.2	ng	3198720	1	5.77	1416090	20.0
Nonane, 2,6-dimet...	5.82	79.4	ng	5619800	1	5.77	1416090	20.0
Oxalic acid, isoh...	5.86	25.0	ng	1767170	1	5.77	1416090	20.0
Decane, 5-methyl-	6.11	37.8	ng	2673130	1	5.77	1416090	20.0
Decane, 4-methyl-	6.15	31.2	ng	2211370	1	5.77	1416090	20.0
Decane, 2-methyl-	6.19	50.9	ng	3603590	1	5.77	1416090	20.0
Naphthalene, deca...	6.22	21.9	ng	1548350	1	5.77	1416090	20.0
Nonane, 5-(2-meth...	6.24	24.0	ng	1697680	1	5.77	1416090	20.0
Undecane	6.50	67.4	ng	4772090	1	5.77	1416090	20.0
unknown6.53	6.53	25.9	ng	1379500	2	7.26	1066010	20.0
Octane, 2-methyl-	6.62	26.7	ng	1423850	2	7.26	1066010	20.0
unknown6.67	6.67	21.8	ng	1163630	2	7.26	1066010	20.0
Decane, 3,7-dimet...	6.70	50.6	ng	2696690	2	7.26	1066010	20.0
Bicyclo[3.1.1]hep...	6.84	42.6	ng	2270780	2	7.26	1066010	20.0
Undecane, 2-methyl-	7.00	21.4	ng	1143080	2	7.26	1066010	20.0