

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104846.D
 Acq On : 26 Apr 2018 19:20
 Operator : JU/SJ
 Sample : J2156-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-042518-B

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-BF040618.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	5.410	562	565	573	rVV	947833	917332	23.46%	1.278%
2	5.692	610	613	619	rVB	278195	259940	6.65%	0.362%
3	6.034	668	671	678	rVB3	295681	405026	10.36%	0.564%
4	6.228	699	704	707	rBV2	226622	279494	7.15%	0.389%
5	6.287	712	714	717	rVB	337431	252089	6.45%	0.351%
6	6.322	717	720	722	rBV2	638319	616353	15.76%	0.858%
7	6.381	727	730	731	rBV	328816	276984	7.08%	0.386%
8	6.439	736	740	742	rBV	997954	925906	23.68%	1.290%
9	6.481	745	747	751	rVB2	193474	199274	5.10%	0.278%
10	6.534	751	756	759	rBV4	261765	428102	10.95%	0.596%
11	6.569	759	762	768	rVB	1359981	1276517	32.64%	1.778%
12	6.628	768	772	775	rBV2	2202336	2054323	52.54%	2.861%
13	6.728	783	789	791	rBV4	128206	208833	5.34%	0.291%
14	6.804	798	802	804	rVB2	1120885	1030443	26.35%	1.435%
15	6.851	807	810	813	rBV2	498499	427034	10.92%	0.595%
16	6.904	817	819	822	rVB2	235866	205035	5.24%	0.286%
17	6.951	822	827	830	rBV2	934915	1393954	35.65%	1.942%
18	7.022	836	839	841	rBV2	240361	223272	5.71%	0.311%
19	7.045	841	843	844	rBV	228267	185492	4.74%	0.258%
20	7.069	844	847	850	rVB2	980998	879471	22.49%	1.225%
21	7.098	850	852	853	rBV	577142	402885	10.30%	0.561%
22	7.116	853	855	856	rBV	364418	207141	5.30%	0.289%
23	7.134	856	858	862	rVB	781063	669867	17.13%	0.933%
24	7.181	862	866	870	rBV2	900405	1222090	31.25%	1.702%
25	7.216	870	872	877	rVB5	187460	266367	6.81%	0.371%
26	7.263	877	880	882	rBV2	261691	253097	6.47%	0.353%
27	7.287	882	884	886	rVB	272925	186376	4.77%	0.260%
28	7.334	886	892	894	rBV2	907037	1038896	26.57%	1.447%
29	7.363	894	897	899	rBV	746617	749693	19.17%	1.044%
30	7.398	899	903	905	rVB	3326349	3243855	82.96%	4.518%
31	7.445	905	911	913	rBV5	696855	932830	23.86%	1.299%
32	7.492	913	919	920	rBV4	403440	693086	17.72%	0.965%
33	7.575	930	933	935	rBV2	607580	523202	13.38%	0.729%
34	7.598	935	937	941	rVV2	704491	701371	17.94%	0.977%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.681	947	951	952	rBV3	377189	419449	10.73%	0.584%
36	7.698	952	954	956	rVV2	622290	536500	13.72%	0.747%
37	7.722	956	958	962	rVV3	489632	646039	16.52%	0.900%
38	7.763	962	965	967	rVB2	809166	856167	21.89%	1.193%
39	7.792	967	970	973	rBV3	813058	833865	21.32%	1.161%
40	7.828	973	976	978	rVV3	1308910	1404927	35.93%	1.957%
41	7.875	981	984	985	rVV	620688	465935	11.92%	0.649%
42	7.898	985	988	990	rVB4	457584	437867	11.20%	0.610%
43	7.922	990	992	994	rVB	515849	370635	9.48%	0.516%
44	7.951	994	997	1000	rVB2	494979	481628	12.32%	0.671%
45	7.986	1000	1003	1005	rBV2	278136	306594	7.84%	0.427%
46	8.034	1005	1011	1012	rBV5	443385	627881	16.06%	0.875%
47	8.069	1012	1017	1019	rVV	3616402	3910345	100.00%	5.446%
48	8.086	1019	1020	1022	rVV	897860	567092	14.50%	0.790%
49	8.139	1025	1029	1032	rVB2	1632719	1697258	43.40%	2.364%
50	8.169	1032	1034	1037	rBV3	572140	616884	15.78%	0.859%
51	8.233	1042	1045	1047	rBV3	355847	426123	10.90%	0.594%
52	8.281	1051	1053	1056	rVB3	720897	646696	16.54%	0.901%
53	8.328	1059	1061	1065	rBV3	182706	289197	7.40%	0.403%
54	8.375	1065	1069	1073	rVB5	1127953	1456029	37.24%	2.028%
55	8.422	1074	1077	1081	rBV4	589960	561594	14.36%	0.782%
56	8.457	1081	1083	1087	rVB3	982008	946595	24.21%	1.318%
57	8.498	1087	1090	1092	rBV	1748738	1523830	38.97%	2.122%
58	8.522	1092	1094	1096	rVB2	382887	270860	6.93%	0.377%
59	8.586	1102	1105	1108	rBV2	990624	838909	21.45%	1.168%
60	8.616	1108	1110	1113	rBV4	265829	307510	7.86%	0.428%
61	8.675	1116	1120	1123	rBV	3286910	3089476	79.01%	4.303%
62	8.704	1123	1125	1128	rBV4	158963	202771	5.19%	0.282%
63	8.828	1144	1146	1149	rBV4	262249	217590	5.56%	0.303%
64	8.863	1149	1152	1154	rVV4	266629	355602	9.09%	0.495%
65	8.904	1157	1159	1162	rVV3	777572	783639	20.04%	1.091%
66	8.951	1164	1167	1169	rVV3	675736	756486	19.35%	1.054%
67	8.986	1171	1173	1177	rVV3	527470	802287	20.52%	1.117%
68	9.033	1177	1181	1185	rVV4	851930	996250	25.48%	1.388%
69	9.075	1185	1188	1190	rVV	646625	499895	12.78%	0.696%
70	9.098	1190	1192	1194	rVV	1366409	1011173	25.86%	1.408%
71	9.122	1194	1196	1199	rVB	273459	235662	6.03%	0.328%

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72	9.157	1199	1202	1207	rBV	945772	857951	21.94%	1.195%
73	9.239	1211	1216	1219	rBV	2880194	2775017	70.97%	3.865%
74	9.275	1220	1222	1226	rVV5	260909	316661	8.10%	0.441%
75	9.310	1226	1228	1231	rVB2	557178	408396	10.44%	0.569%
76	9.422	1244	1247	1253	rVB6	201660	252742	6.46%	0.352%
77	9.492	1253	1259	1261	rVV5	396809	692108	17.70%	0.964%
78	9.551	1265	1269	1272	rVV3	963485	1385254	35.43%	1.929%
79	9.575	1272	1273	1277	rVV2	465667	429746	10.99%	0.599%
80	9.616	1277	1280	1282	rVV3	403712	363307	9.29%	0.506%
81	9.763	1302	1305	1309	rVB	1722942	1533677	39.22%	2.136%
82	9.839	1316	1318	1321	rVB	645803	582943	14.91%	0.812%
83	9.992	1341	1344	1347	rVV4	186906	269867	6.90%	0.376%
84	10.022	1347	1349	1351	rVV	221362	196901	5.04%	0.274%
85	10.080	1356	1359	1363	rVV3	320703	376393	9.63%	0.524%
86	10.263	1384	1390	1393	rBV	1126726	967210	24.73%	1.347%
87	10.480	1423	1427	1429	rBV	280526	288334	7.37%	0.402%
88	10.633	1450	1453	1457	rBV	477479	465707	11.91%	0.649%
89	10.733	1467	1470	1480	rVB	678406	866730	22.17%	1.207%
90	11.180	1543	1546	1549	rBV	354075	313043	8.01%	0.436%
91	11.210	1549	1551	1558	rVB	165989	189141	4.84%	0.263%
92	11.327	1568	1571	1574	rBV	629043	612556	15.67%	0.853%
93	11.610	1616	1619	1623	rVB	270996	210895	5.39%	0.294%
94	12.404	1750	1754	1755	rBV2	740142	721405	18.45%	1.005%
95	12.421	1755	1757	1760	rVB2	614684	484962	12.40%	0.675%
96	12.780	1815	1818	1824	rVB3	207597	197884	5.06%	0.276%
97	12.916	1837	1841	1844	rBV	850817	706583	18.07%	0.984%
98	13.810	1989	1993	1998	rVB	170942	194594	4.98%	0.271%
99	13.980	2018	2022	2025	rBV	686771	664438	16.99%	0.925%
100	15.451	2268	2272	2276	rVB	431368	538463	13.77%	0.750%

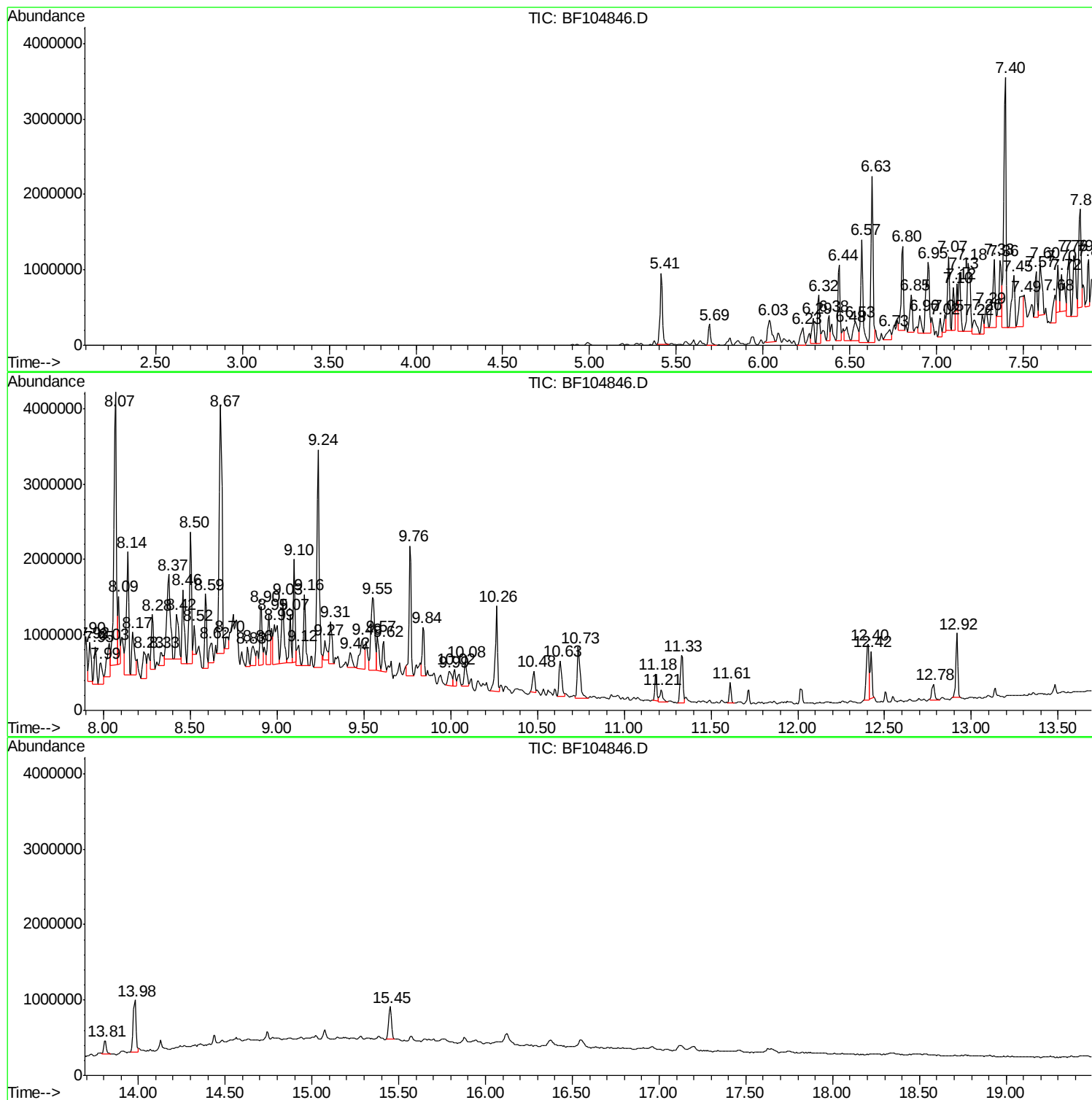
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Instrument :
BNA_F
ClientSampled :
HR-05-042518-B

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.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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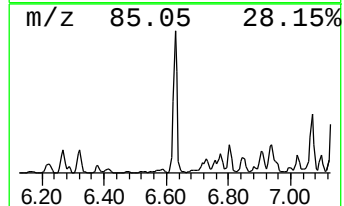
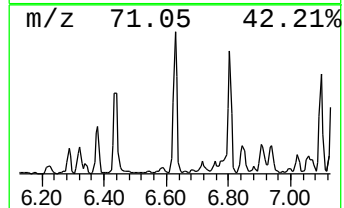
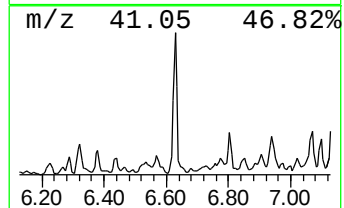
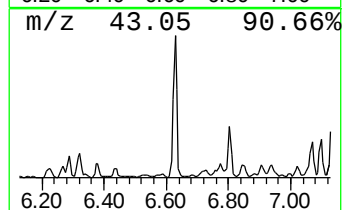
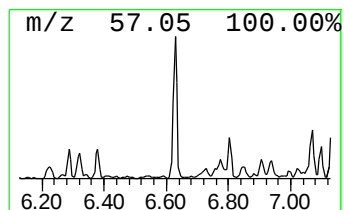
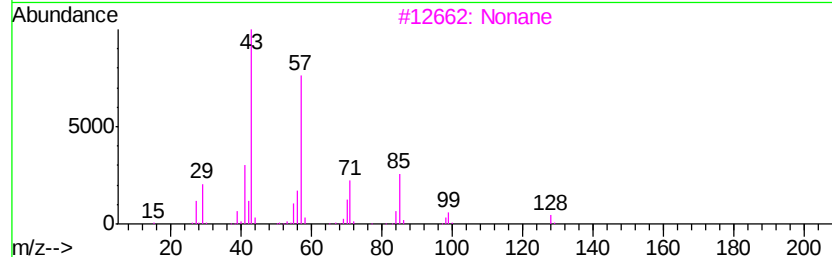
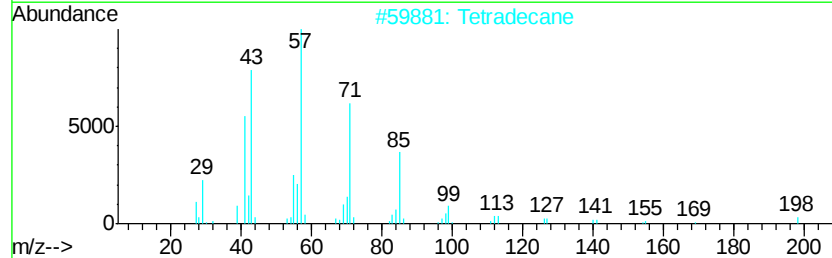
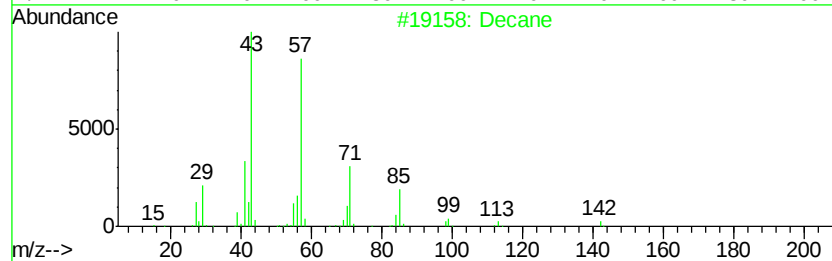
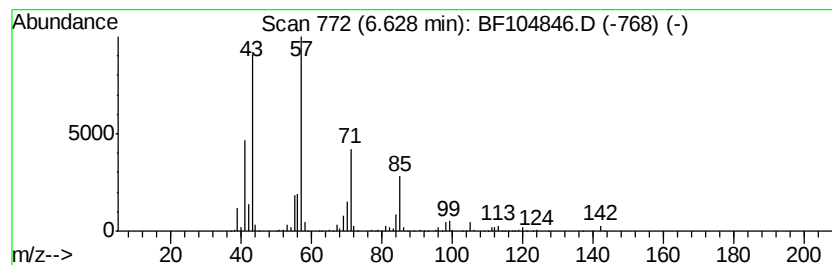
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	39.87 ng	2054320	1,4-Dichlorobenzene-d4	6.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	90
2	Tetradecane		198	C14H30	000629-59-4	90
3	Nonane		128	C9H20	000111-84-2	80
4	Undecane		156	C11H24	001120-21-4	78
5	Silane, trichlorooctadecyl-		386	C18H37Cl3Si	000112-04-9	78



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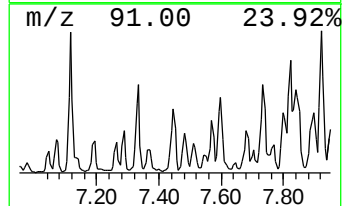
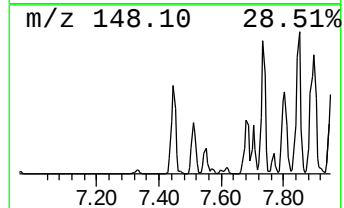
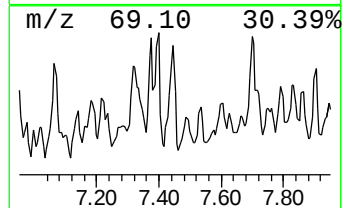
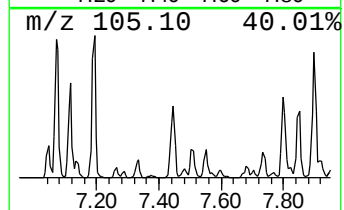
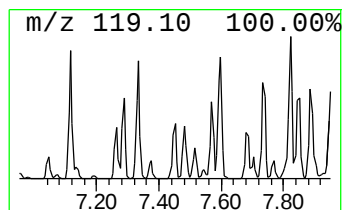
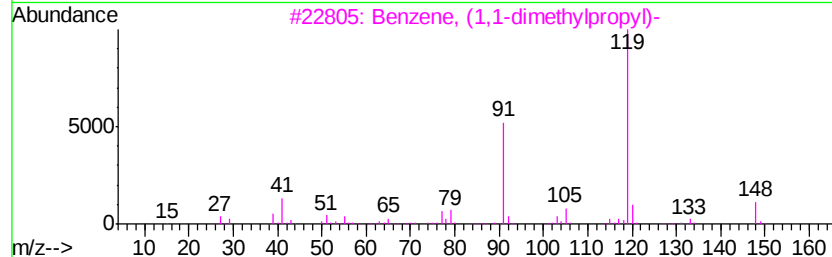
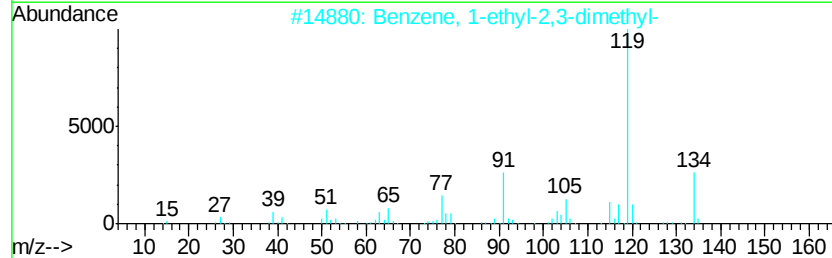
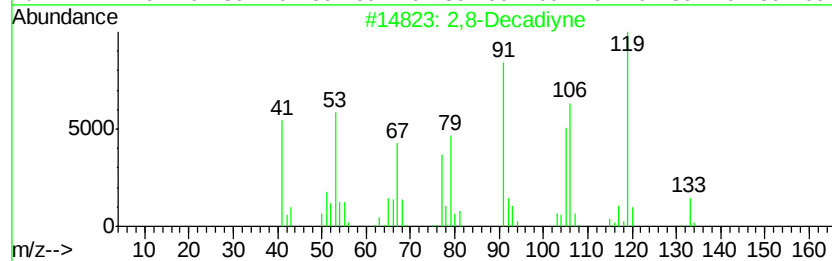
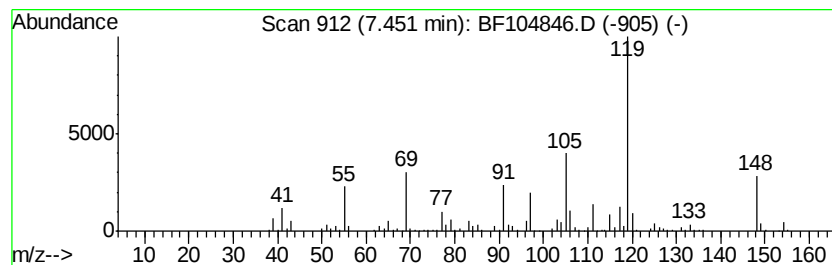
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown7.45 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	32.90 ng	932830	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,8-Decadiyne	134	C10H14	004116-93-2	45
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	42
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
4		Benzene, 4-(chloromethyl)-1,2-di...	154	C9H11Cl	000102-46-5	38
5		o-Cymene	134	C10H14	000527-84-4	38



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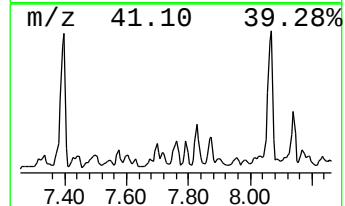
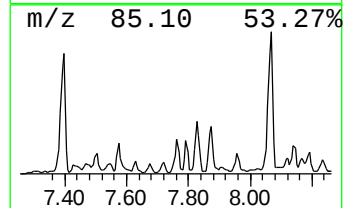
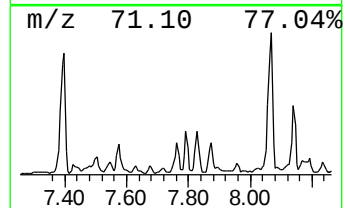
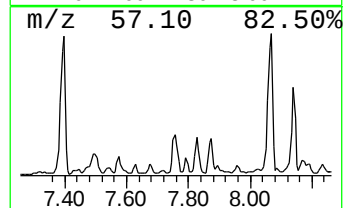
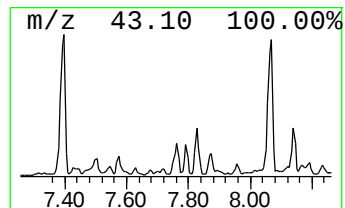
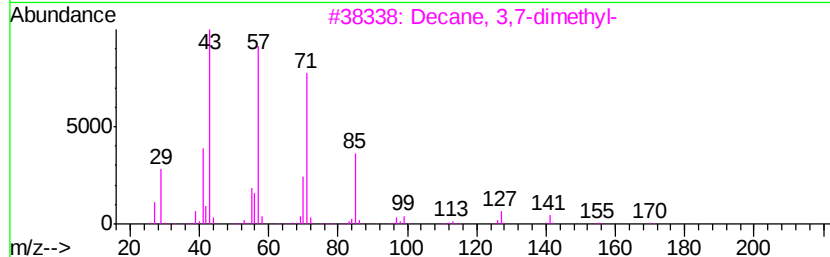
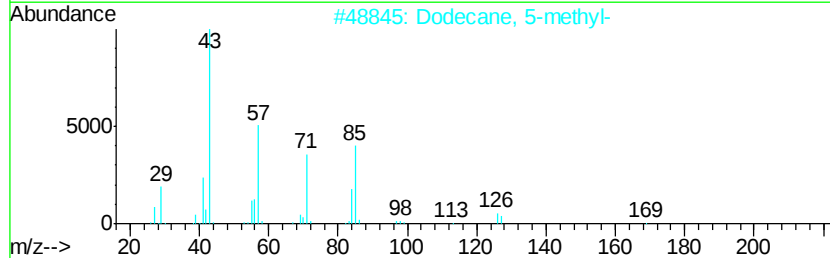
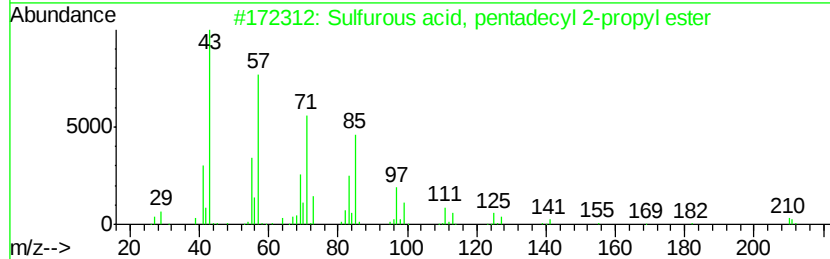
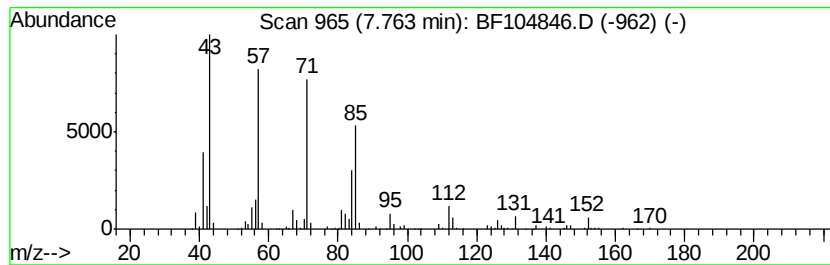
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Sulfurous acid, pentadecyl ... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	30.20 ng	856167	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	59
2		Dodecane, 5-methyl-	184	C13H28	017453-93-9	49
3		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	47
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	43
5		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-042518-B

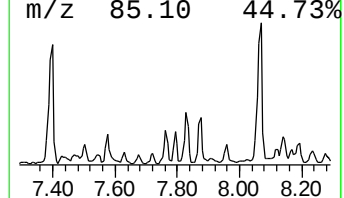
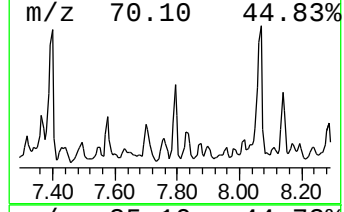
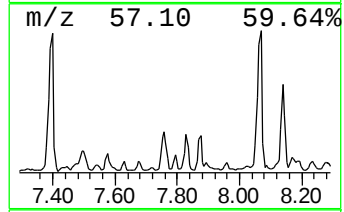
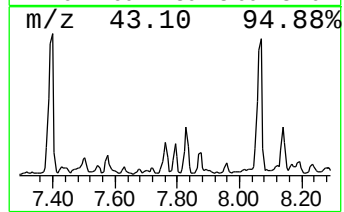
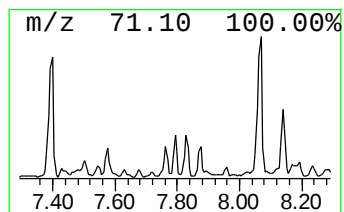
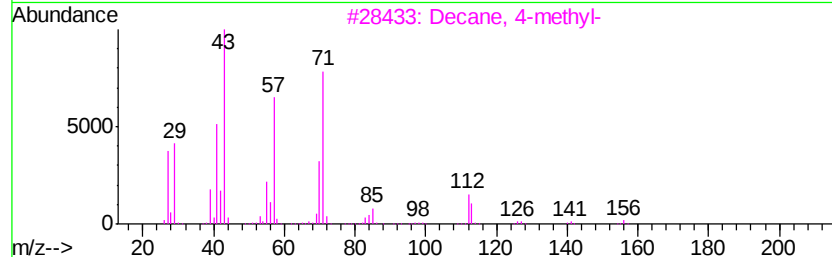
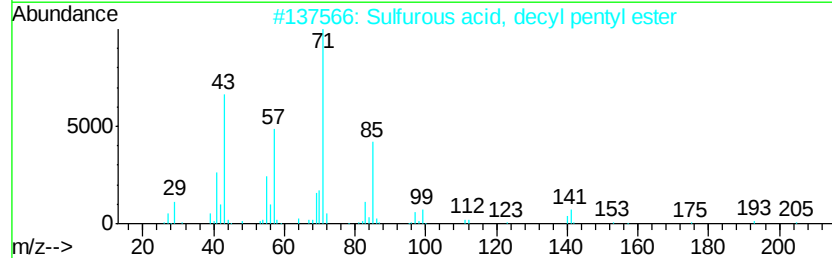
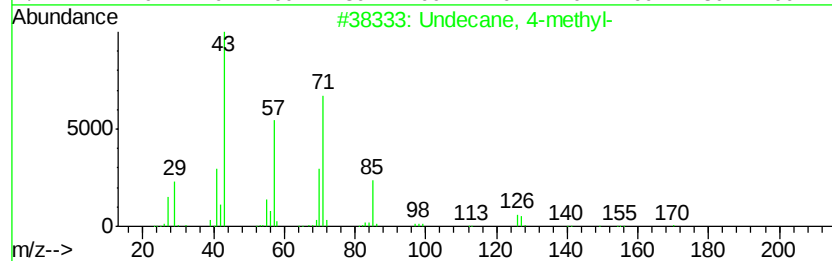
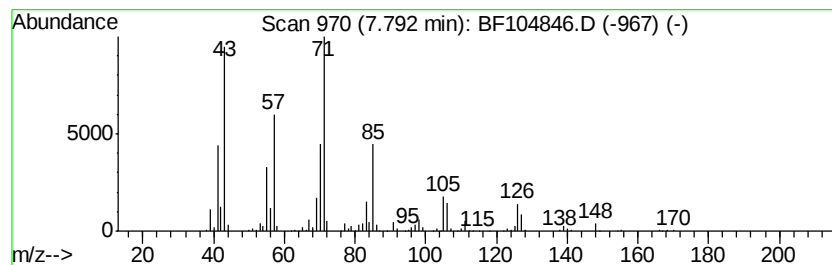
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Undecane, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	29.41 ng	833865	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4-methyl-	170	C12H26	002980-69-0	64
2		Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	50
3		Decane, 4-methyl-	156	C11H24	002847-72-5	47
4		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	43
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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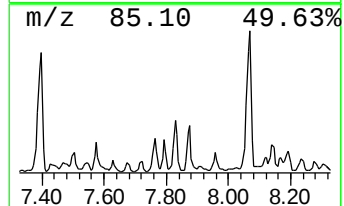
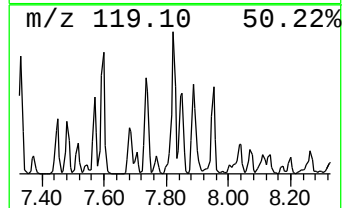
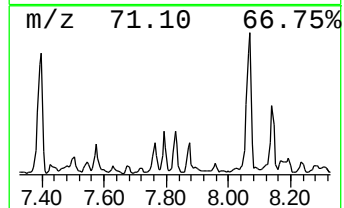
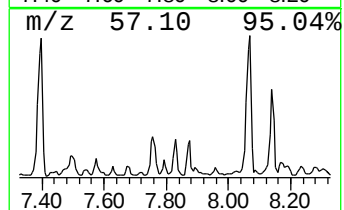
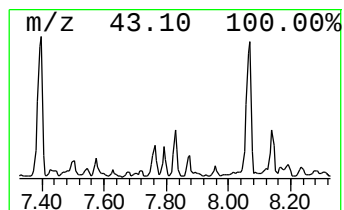
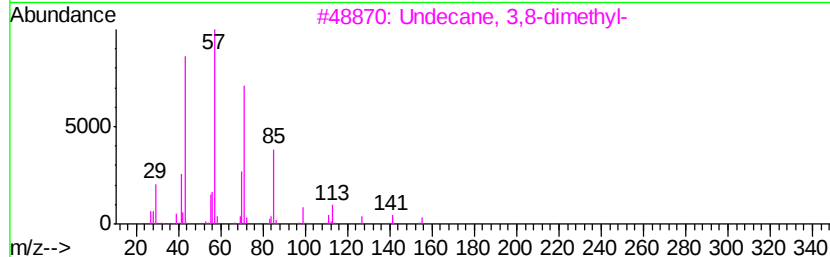
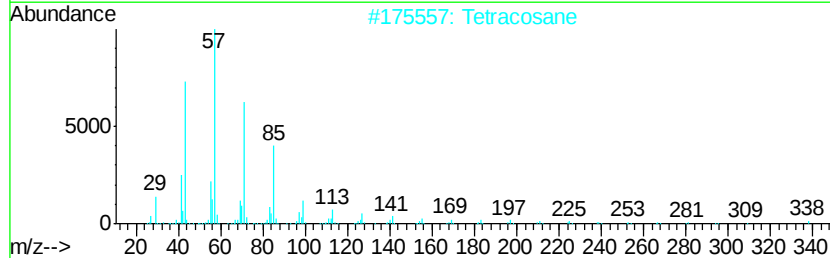
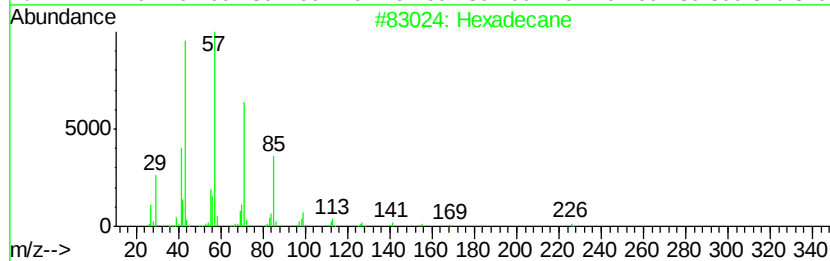
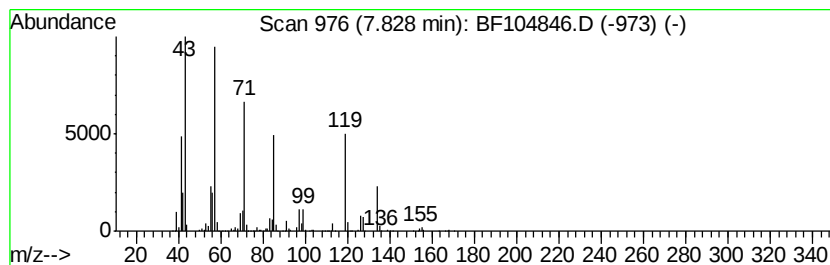
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.83 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	49.55 ng	1404930	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	49
2		Tetracosane	338	C24H50	000646-31-1	47
3		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	47
4		Decane, 2-methyl-	156	C11H24	006975-98-0	46
5		Tridecane, 3-methyl-	198	C14H30	006418-41-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
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ClientSampleId :
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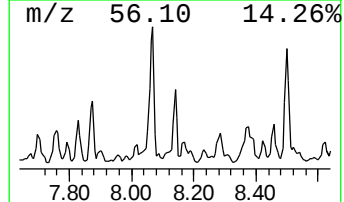
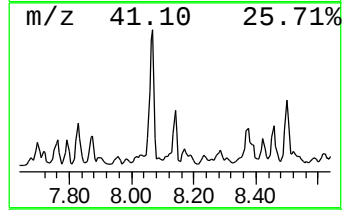
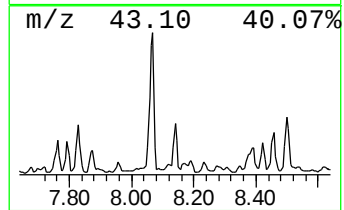
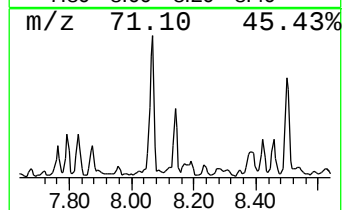
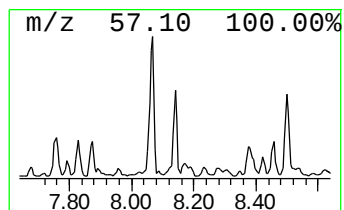
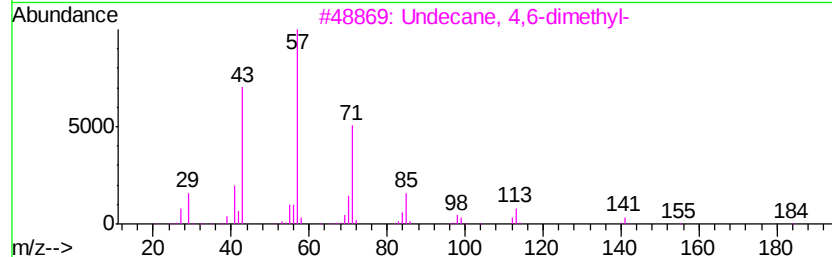
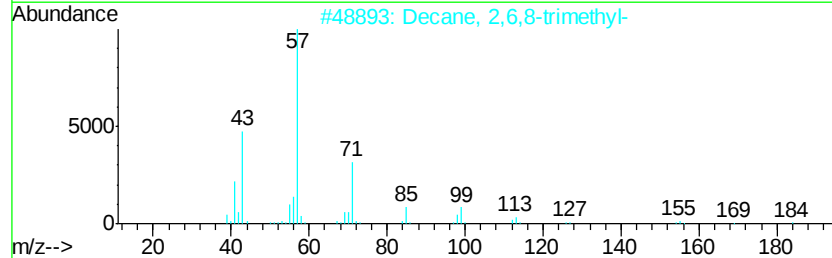
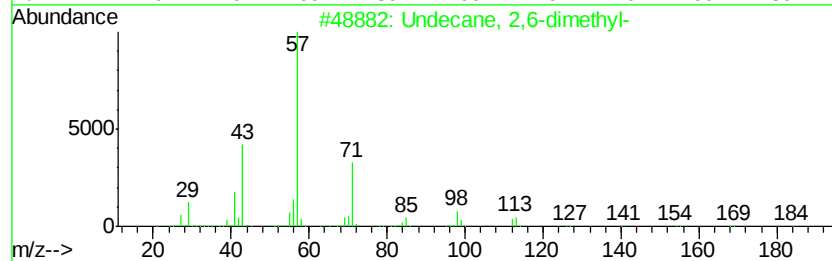
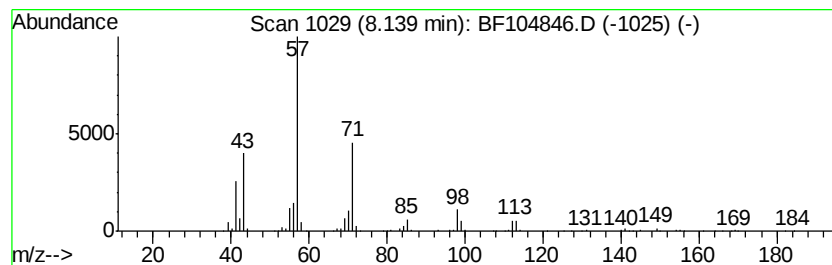
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	59.86 ng	1697260	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	80
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	80
4		2-Ethylbutyric acid, 2,4,4-trime...	228	C14H28O2	1000369-49-3	59
5		Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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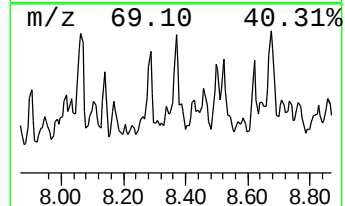
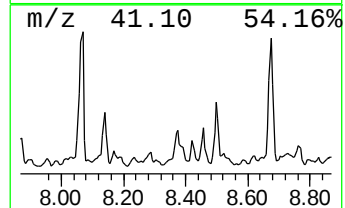
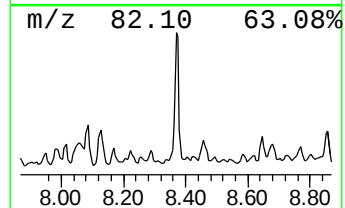
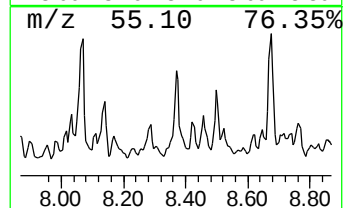
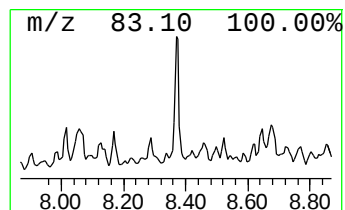
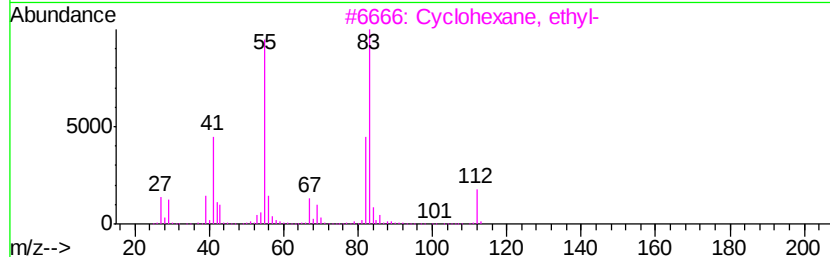
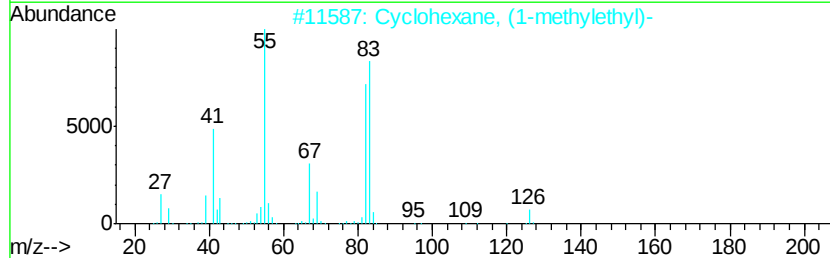
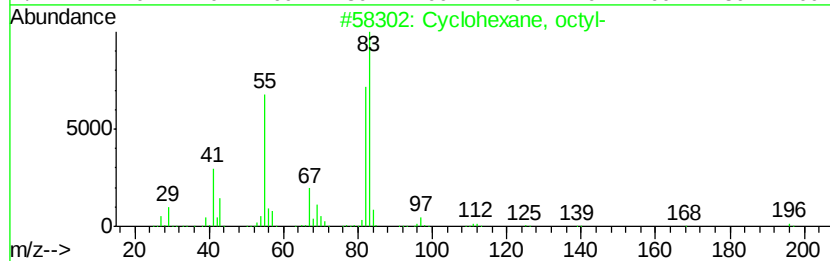
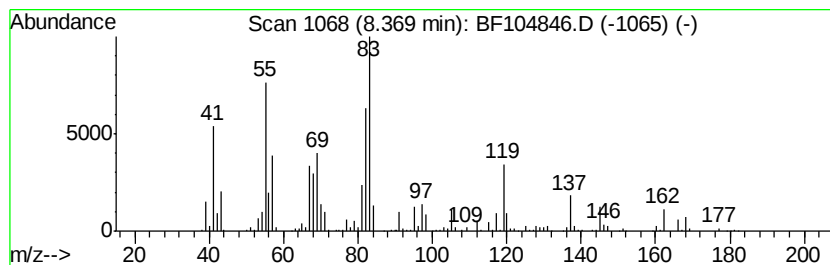
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.37 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	51.35 ng	1456030	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, octyl-	196	C14H28	001795-15-9	47
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	43
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
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Misc :
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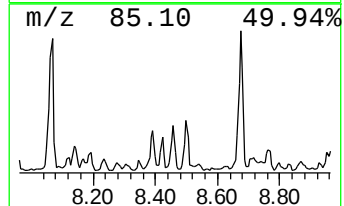
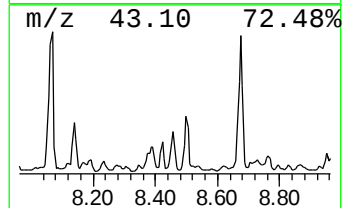
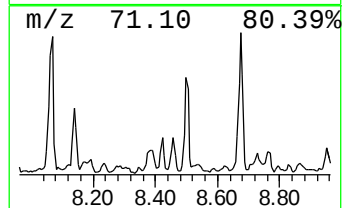
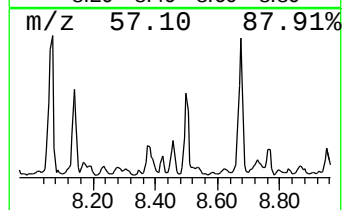
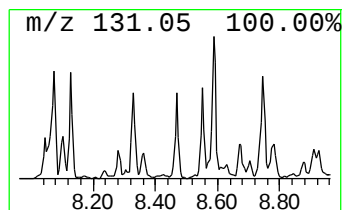
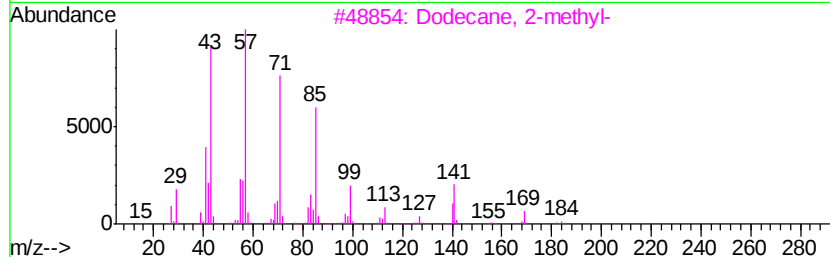
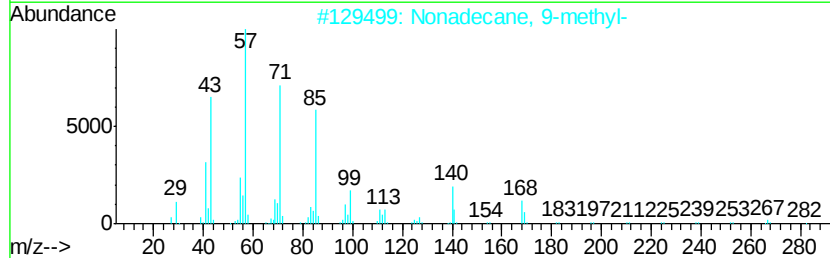
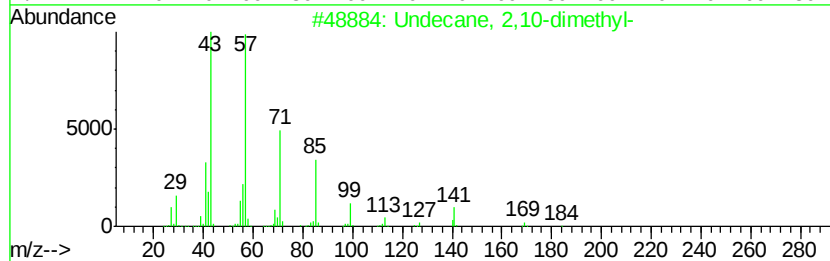
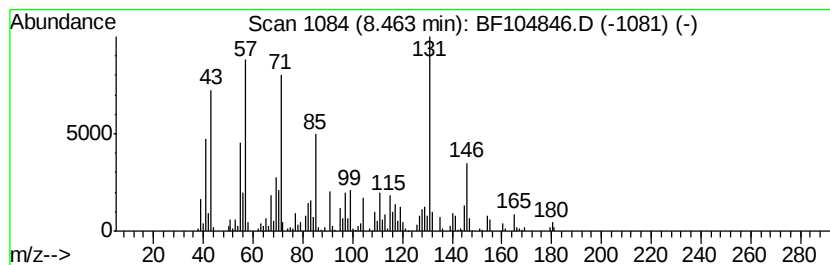
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane, 2,10-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	33.38 ng	946595	Napthalene-d8	8.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,10-dimethyl-	184 C13H28	017301-27-8	87
2	Nonadecane, 9-methyl-	282 C20H42	013287-24-6	86
3	Dodecane, 2-methyl-	184 C13H28	001560-97-0	80
4	Decane, 2,3,8-trimethyl-	184 C13H28	062238-14-6	64
5	Decane, 3-bromo-	220 C10H21Br	030571-71-2	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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HR-05-042518-B

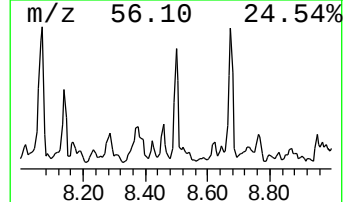
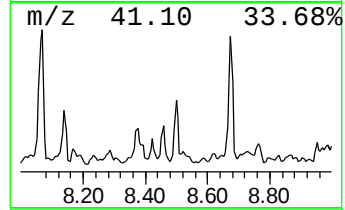
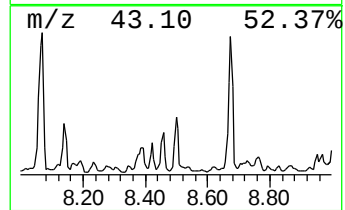
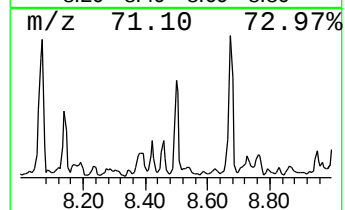
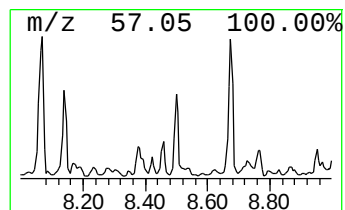
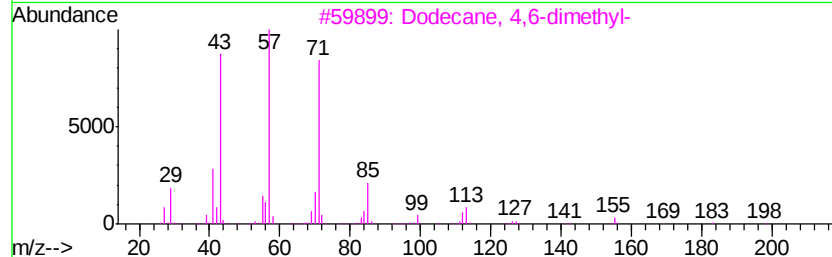
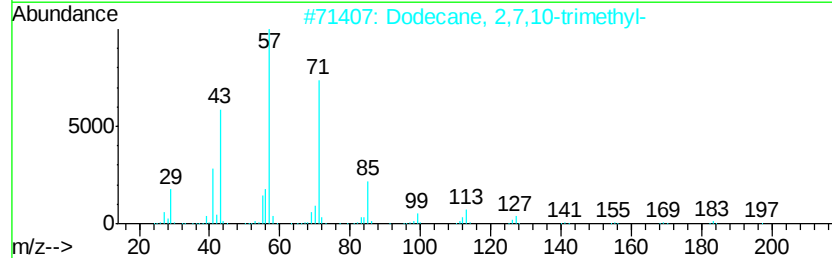
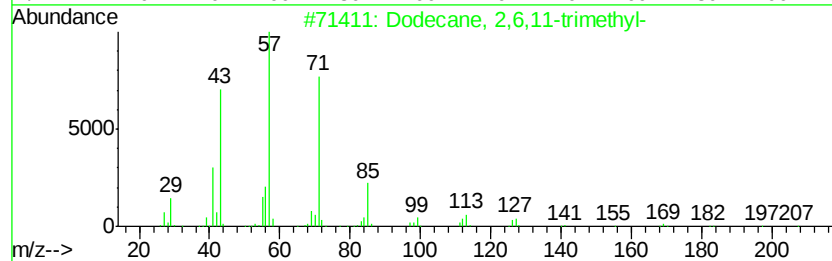
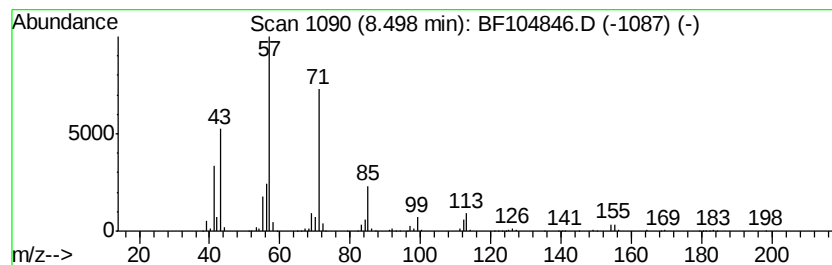
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dodecane, 2,6,11-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	53.74 ng	1523830	Napthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	78
4		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72
5		Decane, 2-methyl-	156	C11H24	006975-98-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
HR-05-042518-B

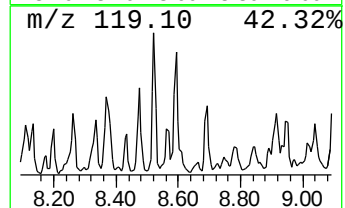
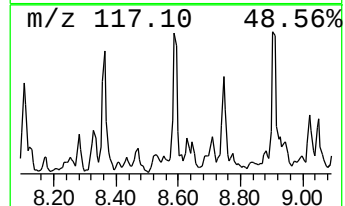
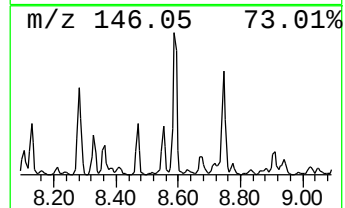
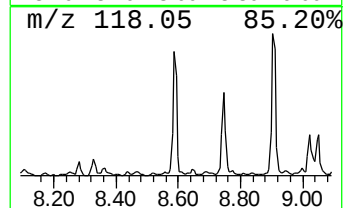
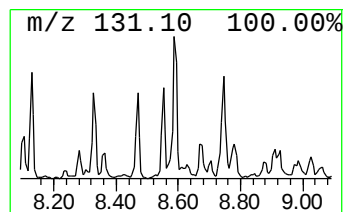
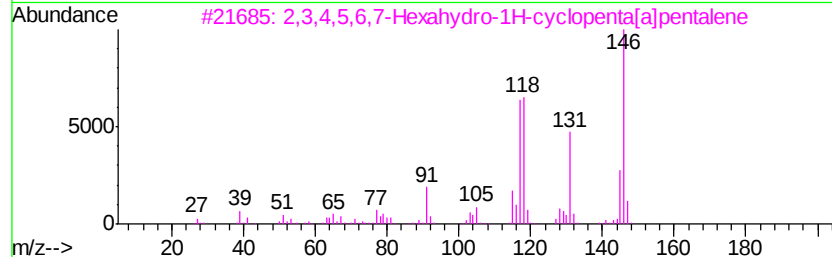
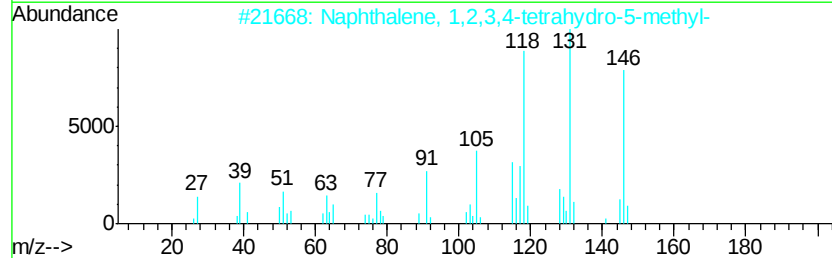
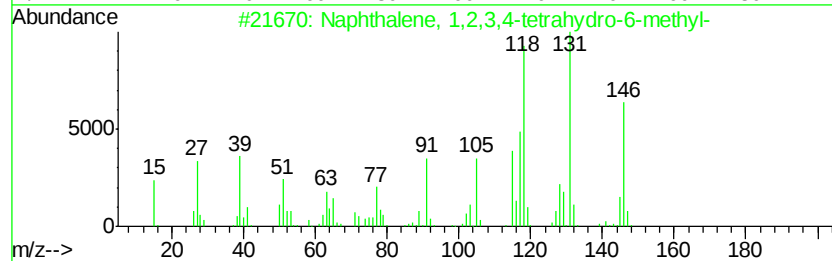
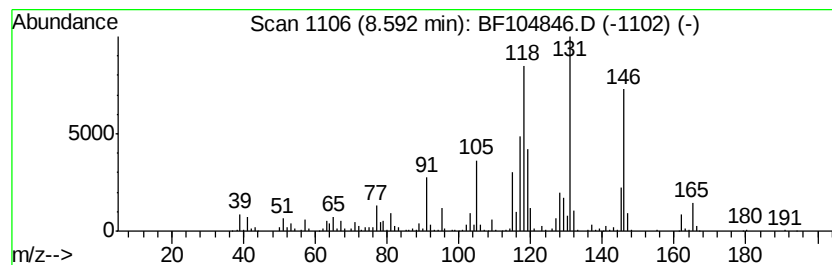
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	29.59 ng	838909	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	74
4		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	68
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-042518-B

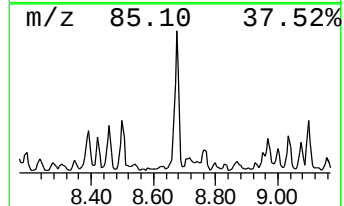
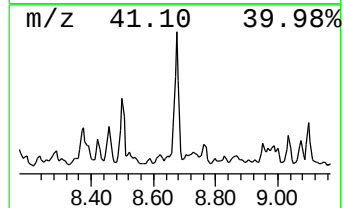
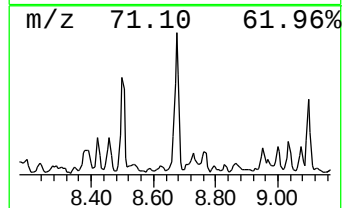
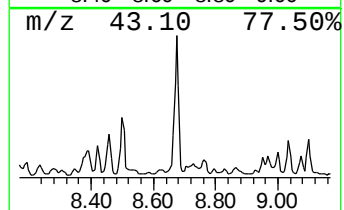
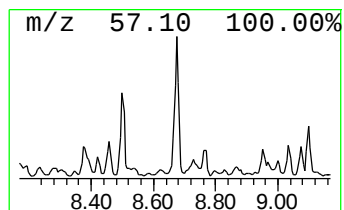
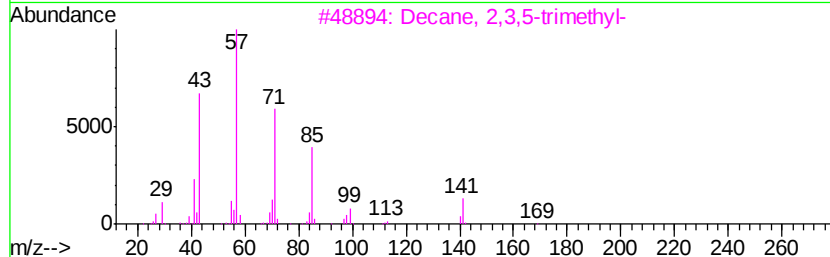
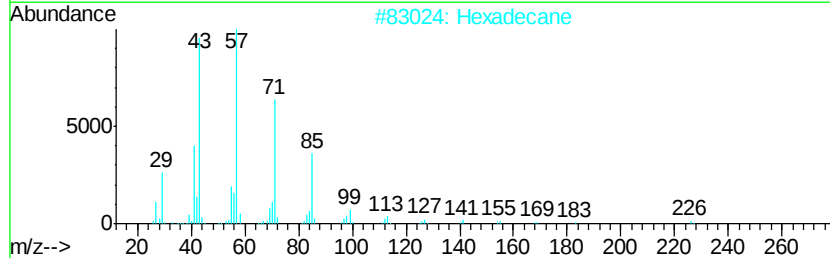
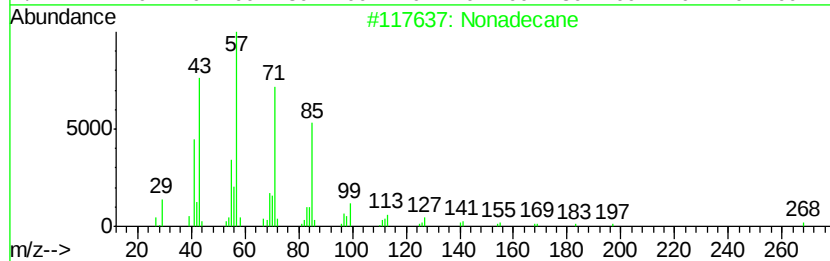
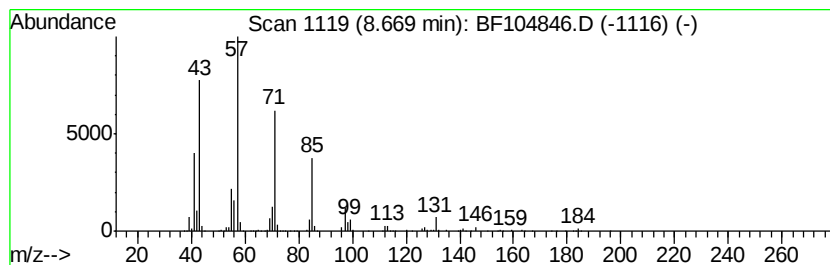
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	108.96 ng	3089480	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	90
2		Hexadecane	226	C16H34	000544-76-3	87
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4		Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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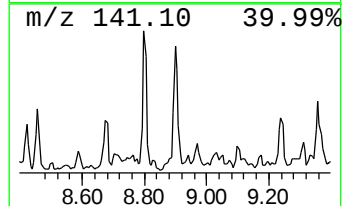
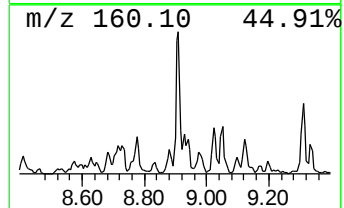
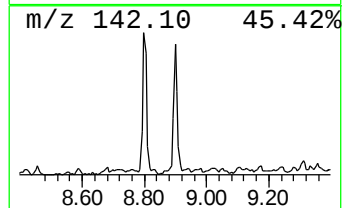
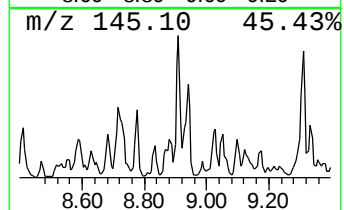
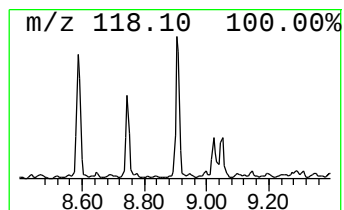
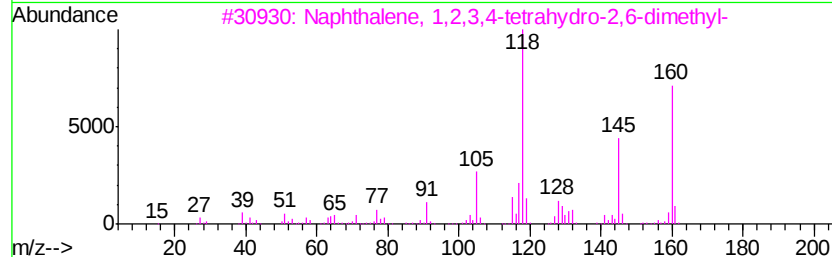
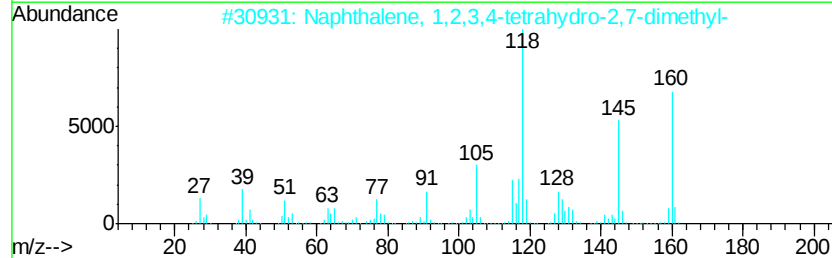
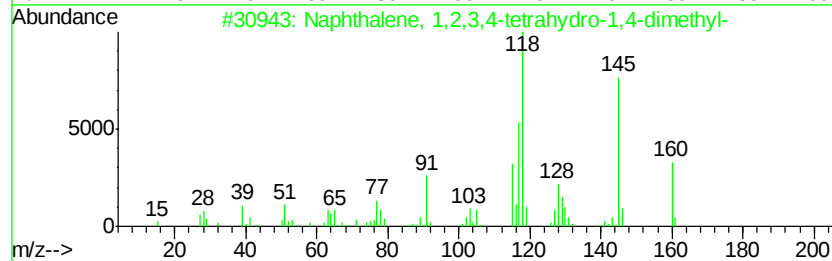
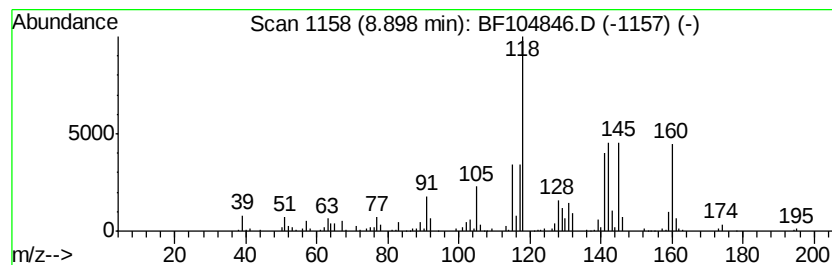
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,2,3,4-tetra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	27.64 ng	783639	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	74
4		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	53
5		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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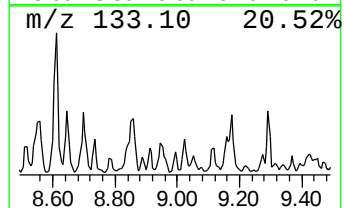
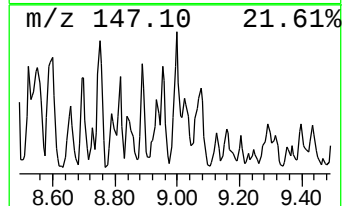
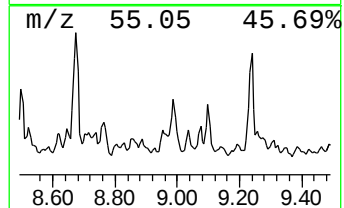
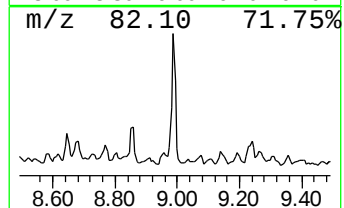
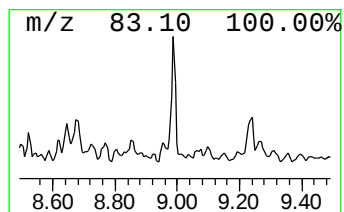
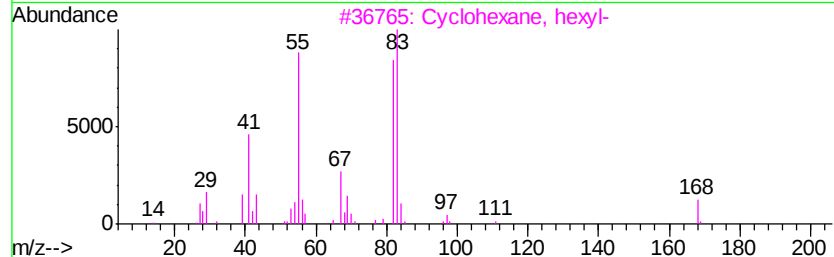
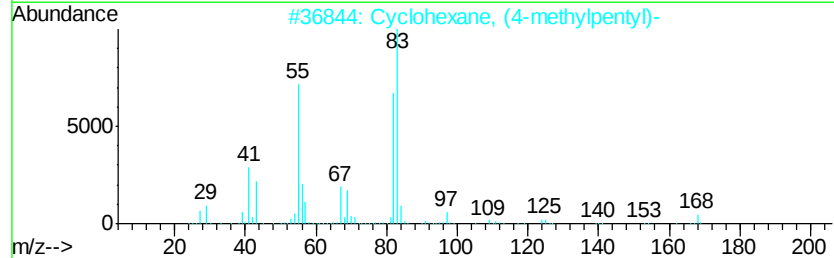
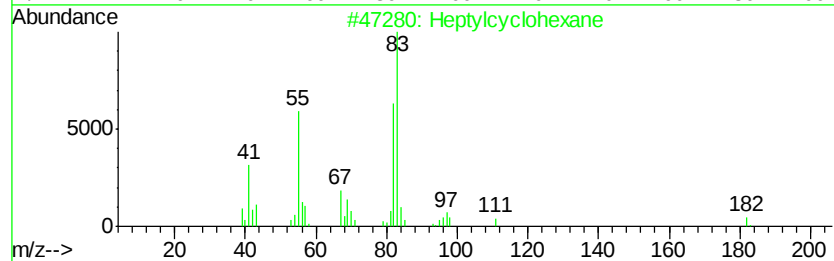
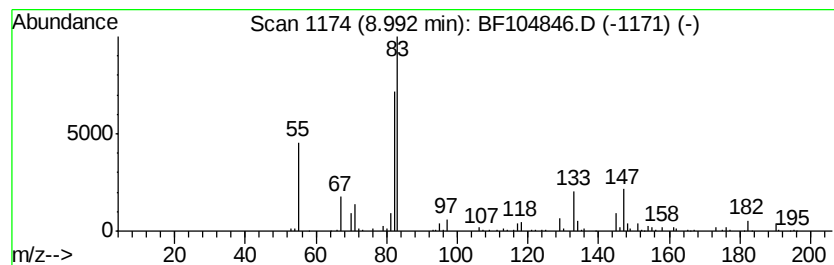
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptylcyclohexane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	27.53 ng	802287	Acenaphthene-d10	9.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	80
2			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	50
3			Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
5			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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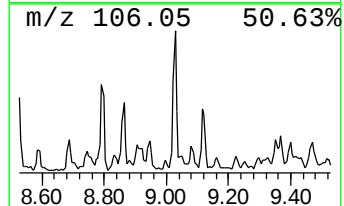
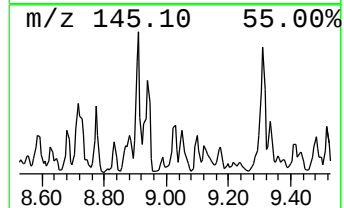
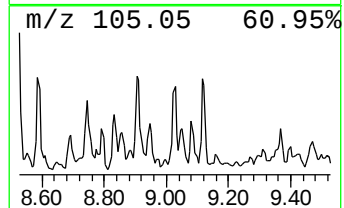
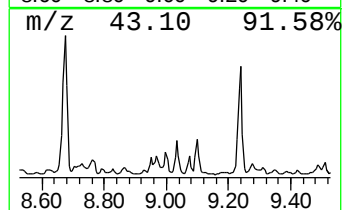
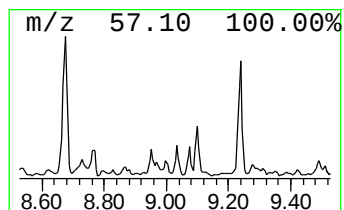
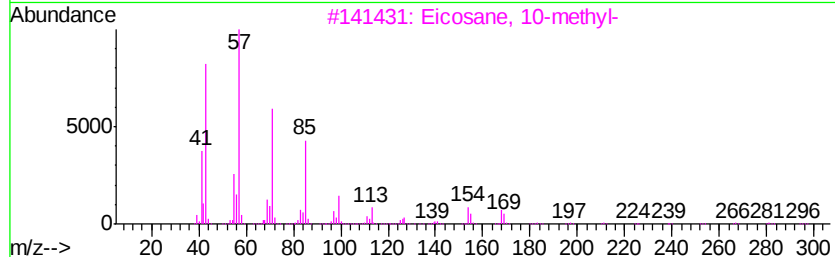
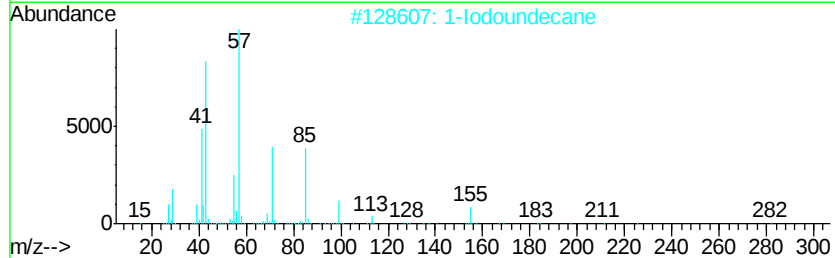
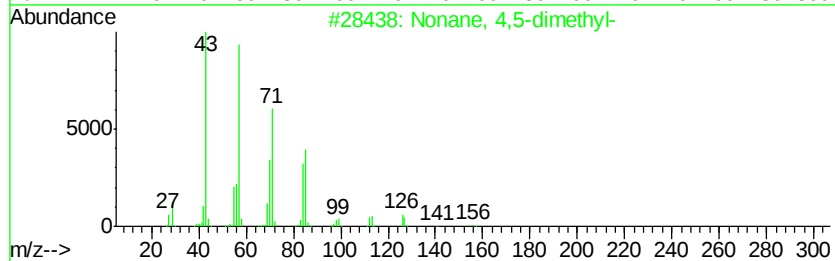
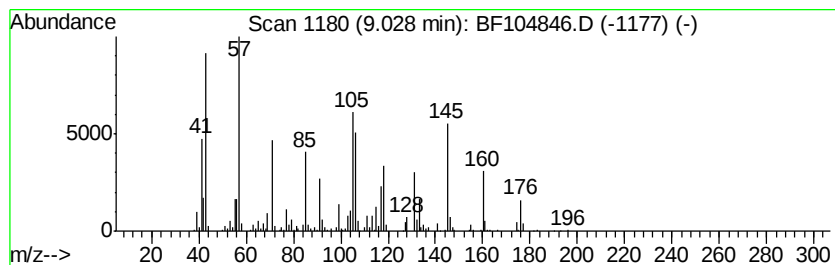
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Nonane, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	34.18 ng	996250	Acenaphthene-d10	9.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	70
2			1-Iodoundecane	282	C11H23I	004282-44-4	64
3			Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
4			Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	59
5			Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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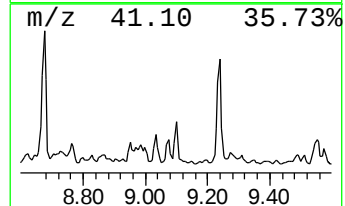
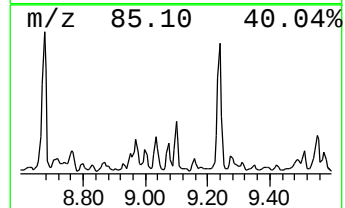
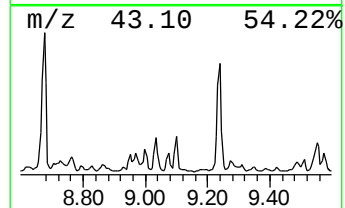
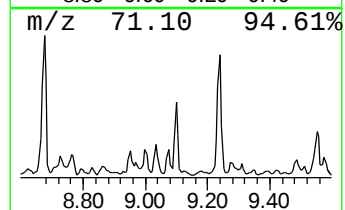
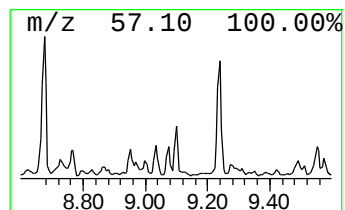
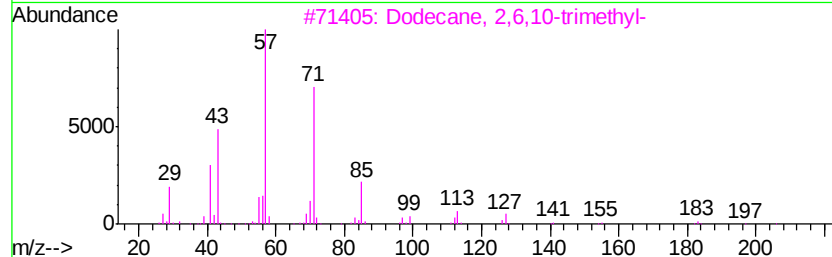
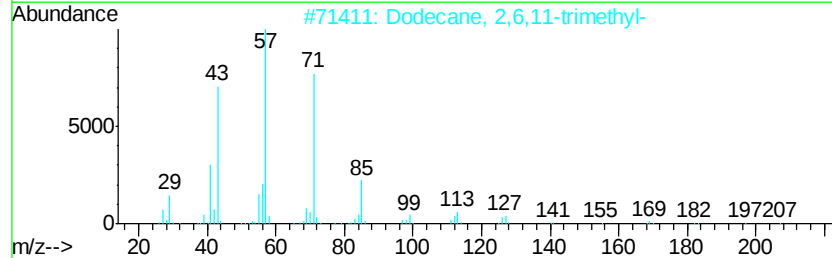
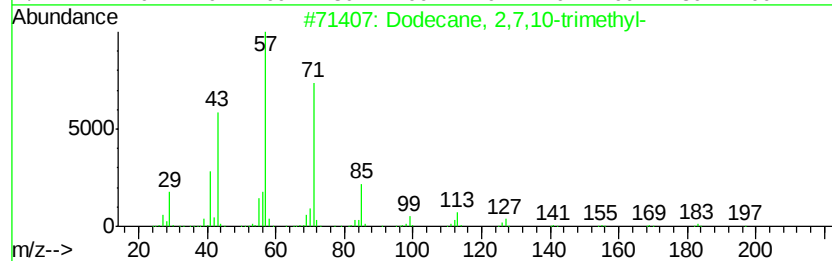
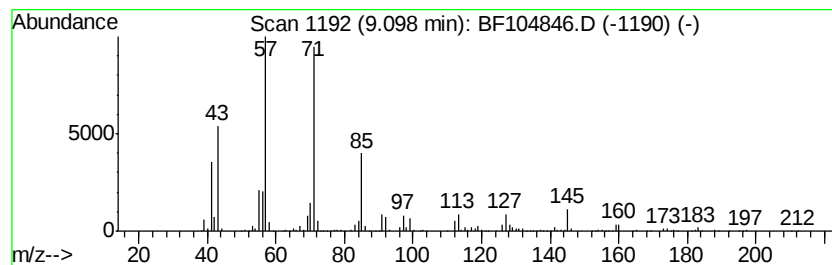
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dodecane, 2,7,10-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	34.69 ng	1011170	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	62
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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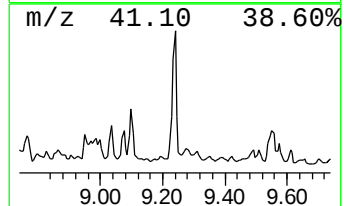
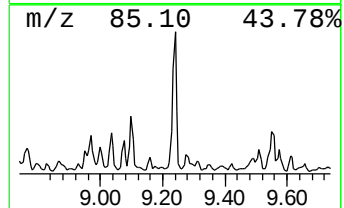
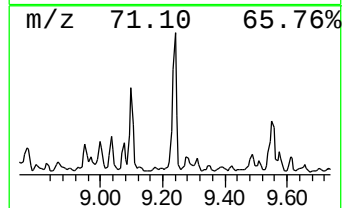
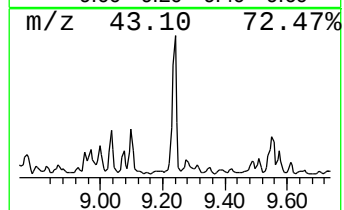
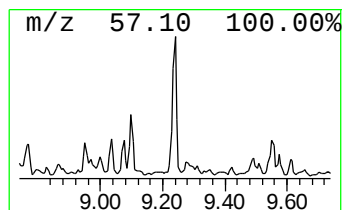
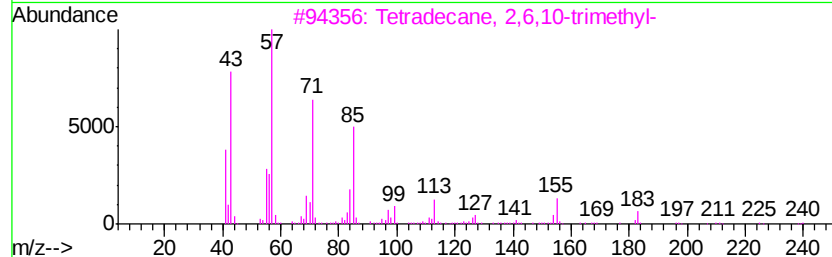
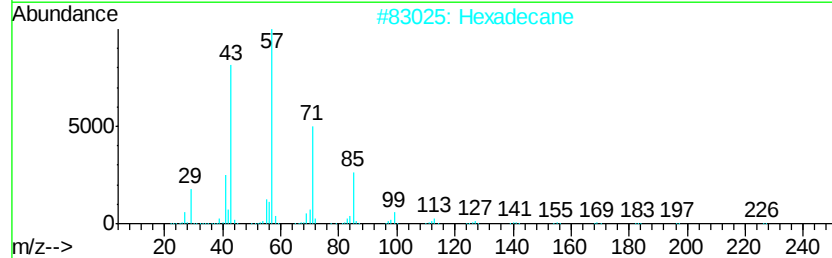
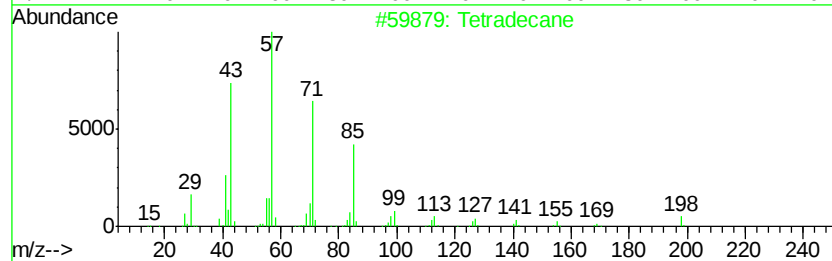
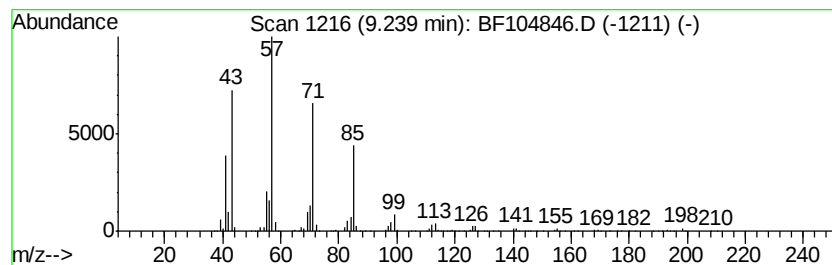
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	95.21 ng	2775020	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	86
2		Hexadecane	226	C16H34	000544-76-3	80
3		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	72
4		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	64
5		Tridecane	184	C13H28	000629-50-5	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-042518-B

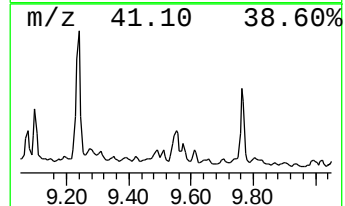
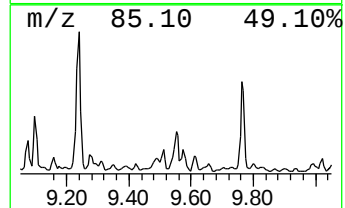
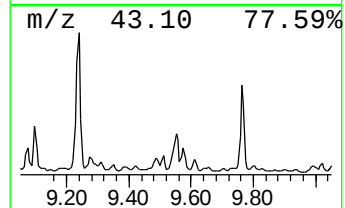
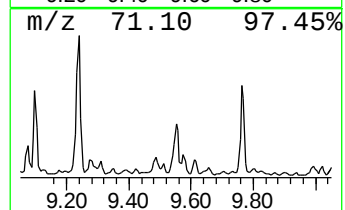
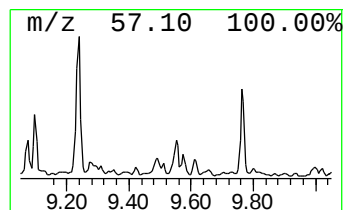
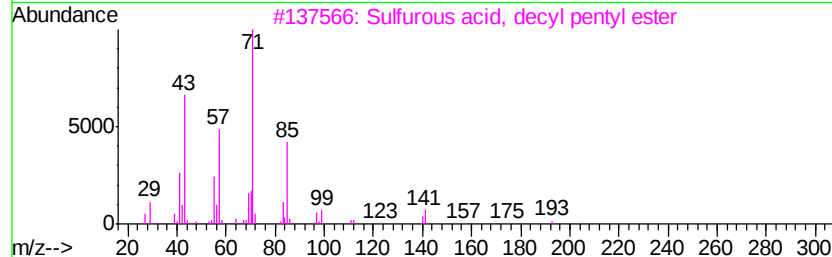
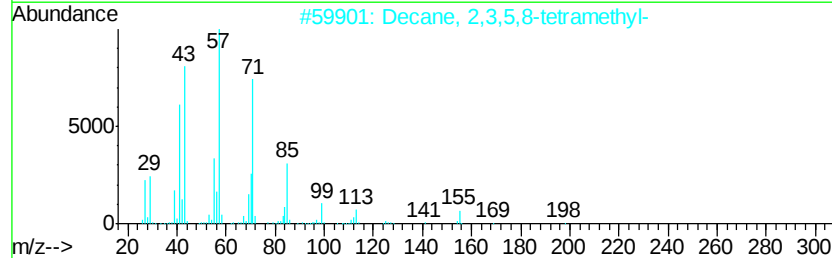
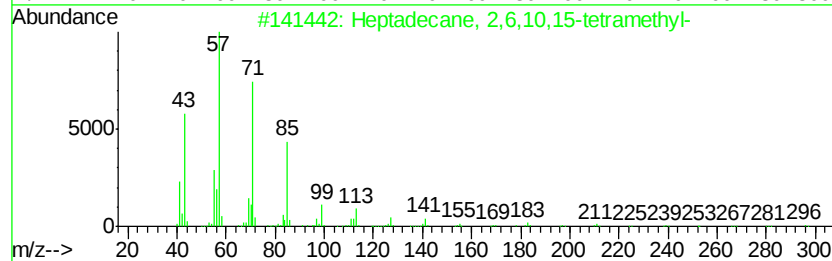
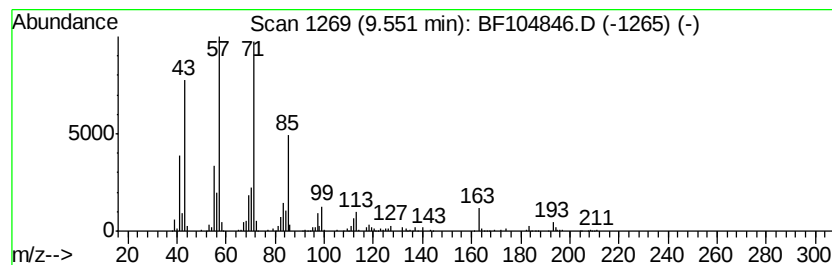
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane, 2,6,10,15-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	47.53 ng	1385250	Acenaphthene-d10	9.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2			Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	64
3			Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	64
4			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	59
5			Hydroxylamine, 0-decyl-	173	C10H23NO	029812-79-1	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-042518-B

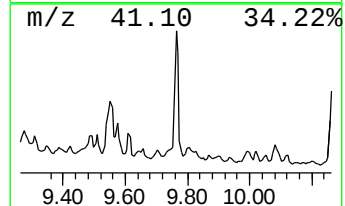
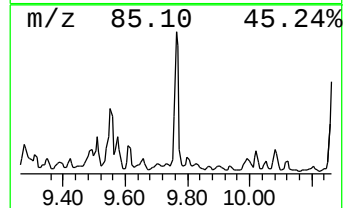
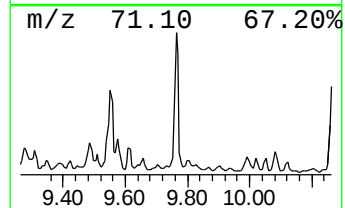
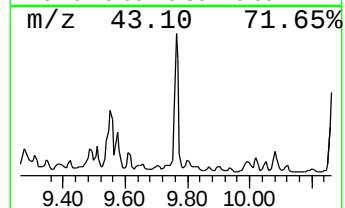
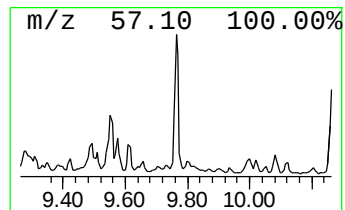
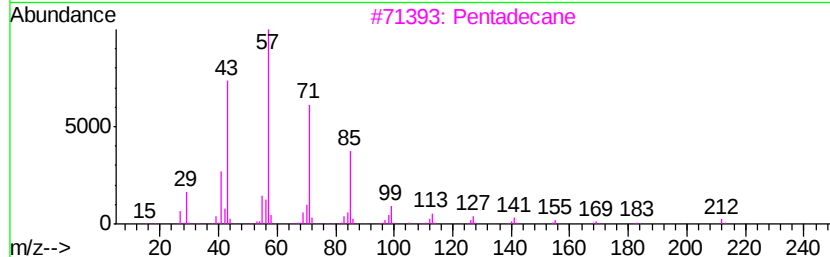
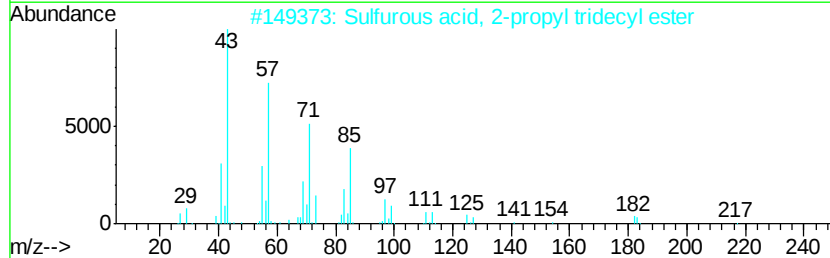
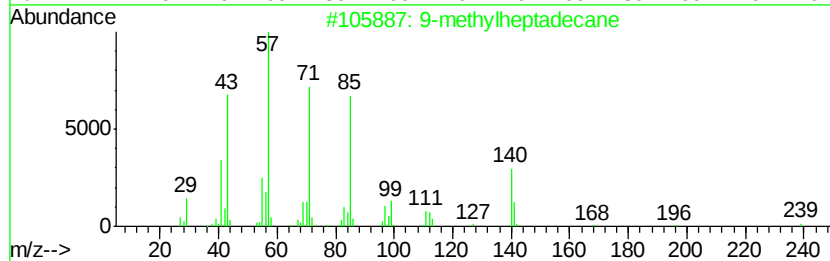
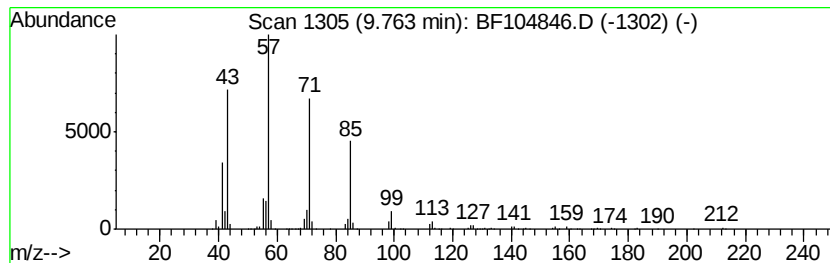
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9-methylheptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	52.62 ng	1533680	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-methylheptadecane	254	C18H38	026741-18-4	90
2		Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	83
3		Pentadecane	212	C15H32	000629-62-9	78
4		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	72
5		Hexadecane	226	C16H34	000544-76-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

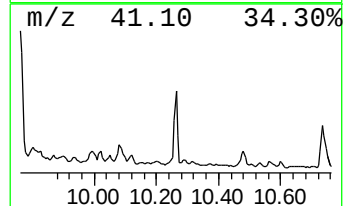
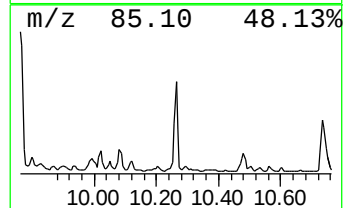
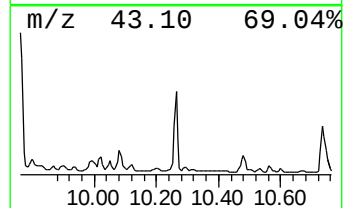
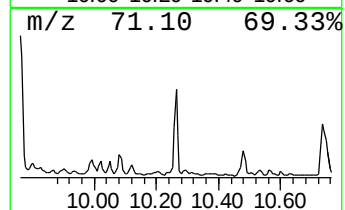
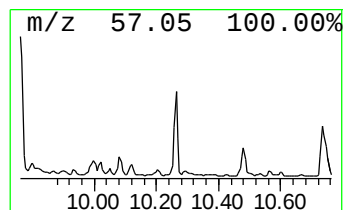
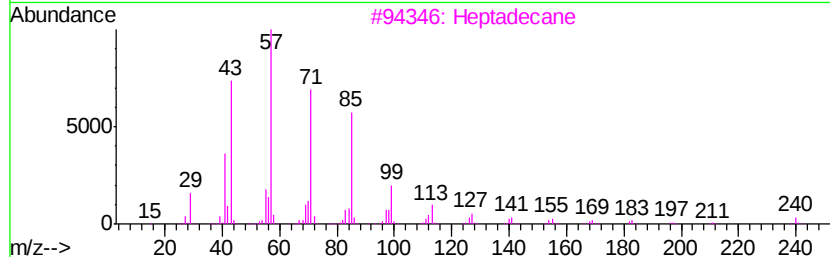
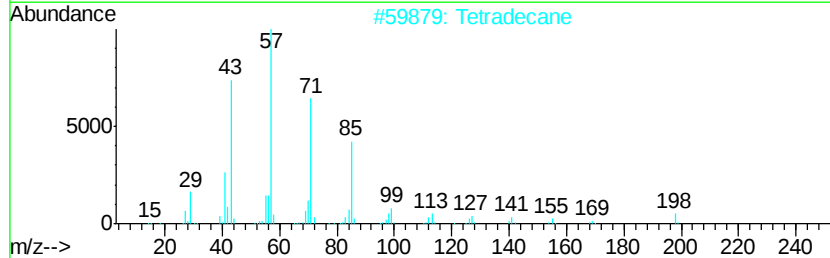
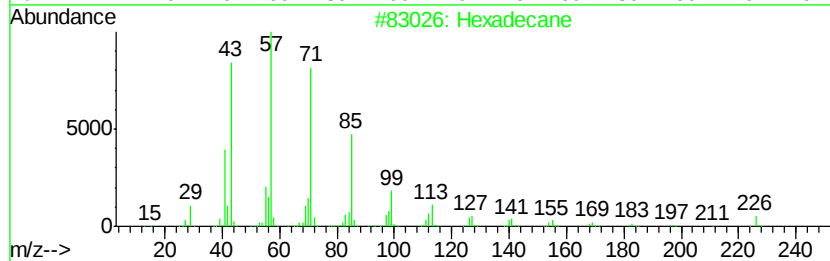
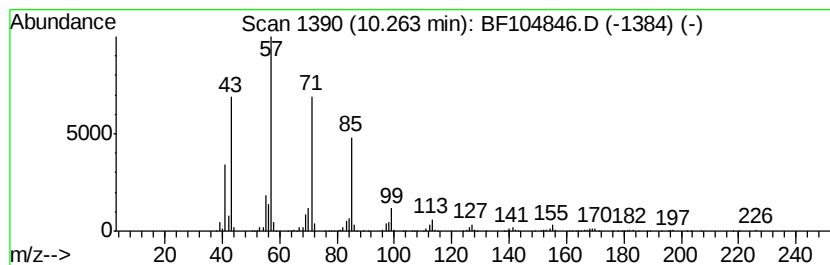
Instrument :
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ClientSampleId :
HR-05-042518-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	33.18 ng	967210	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	94
2	Tetradecane	198 C14H30	000629-59-4	91
3	Heptadecane	240 C17H36	000629-78-7	90
4	Pentadecane	212 C15H32	000629-62-9	90
5	Nonadecane, 9-methyl-	282 C20H42	013287-24-6	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104846.D
Acq On : 26 Apr 2018 19:20
Operator : JU/SJ
Sample : J2156-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-042518-B

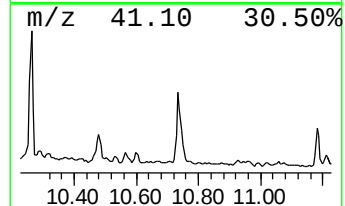
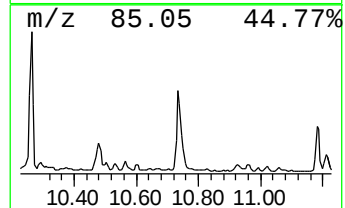
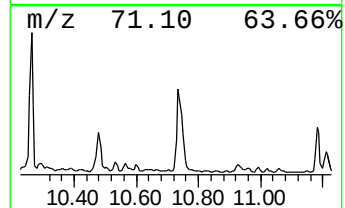
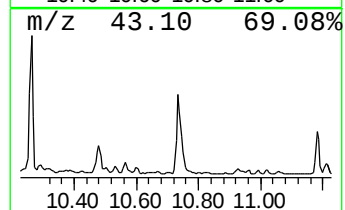
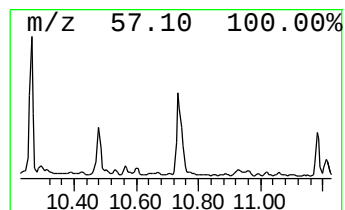
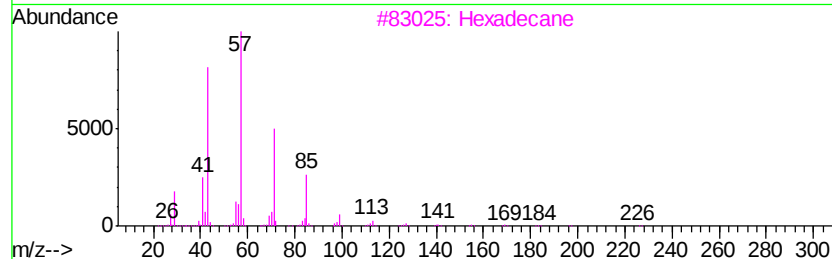
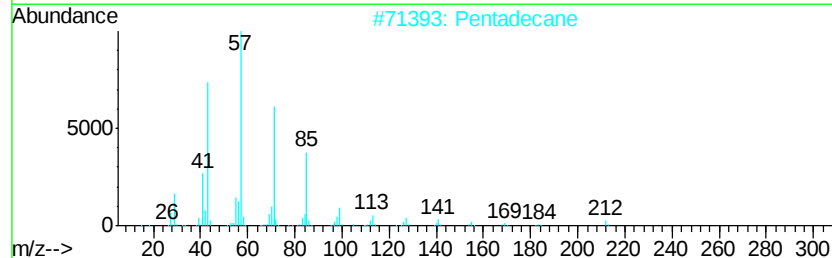
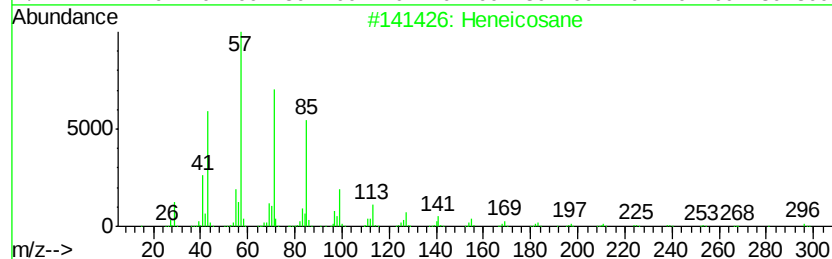
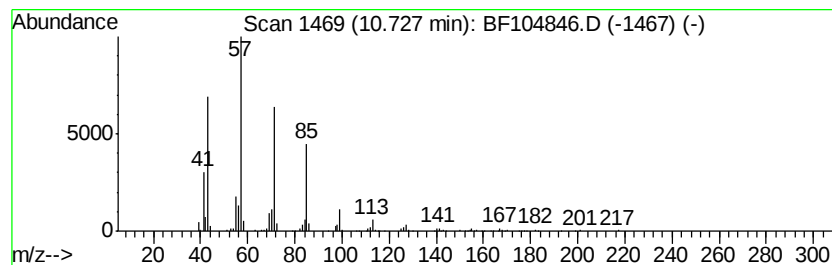
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	28.30 ng	866730	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Pentadecane	212	C15H32	000629-62-9	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Heptacosane	380	C27H56	000593-49-7	90
5		Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
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 Acq On : 26 Apr 2018 19:20
 Operator : JU/SJ
 Sample : J2156-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-042518-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
Decane	6.63	39.9	ng	2054320	1	6.80	1030440	20.0
unknown7.45	7.45	32.9	ng	932830	2	8.09	567092	20.0
Sulfurous acid, p...	7.76	30.2	ng	856167	2	8.09	567092	20.0
Undecane, 4-methyl-	7.79	29.4	ng	833865	2	8.09	567092	20.0
unknown7.83	7.83	49.5	ng	1404930	2	8.09	567092	20.0
Undecane, 2,6-dim...	8.14	59.9	ng	1697260	2	8.09	567092	20.0
unknown8.37	8.37	51.4	ng	1456030	2	8.09	567092	20.0
Undecane, 2,10-di...	8.46	33.4	ng	946595	2	8.09	567092	20.0
Dodecane, 2,6,11-...	8.50	53.7	ng	1523830	2	8.09	567092	20.0
Naphthalene, 1,2,...	8.59	29.6	ng	838909	2	8.09	567092	20.0
Nonadecane	8.67	109.0	ng	3089480	2	8.09	567092	20.0
Naphthalene, 1,2,...	8.90	27.6	ng	783639	2	8.09	567092	20.0
Heptylcyclohexane	8.99	27.5	ng	802287	3	9.84	582943	20.0
Nonane, 4,5-dimet...	9.03	34.2	ng	996250	3	9.84	582943	20.0
Dodecane, 2,7,10-...	9.10	34.7	ng	1011170	3	9.84	582943	20.0
Tetradecane	9.24	95.2	ng	2775020	3	9.84	582943	20.0
Heptadecane, 2,6,...	9.55	47.5	ng	1385250	3	9.84	582943	20.0
9-methylheptadecane	9.76	52.6	ng	1533680	3	9.84	582943	20.0
Hexadecane	10.26	33.2	ng	967210	3	9.84	582943	20.0
Heneicosane	10.73	28.3	ng	866730	4	11.33	612556	20.0