

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097338.D
 Acq On : 4 Aug 2017 1:16
 Operator : SJ/JU
 Sample : I4562-19 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-G

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-BF072517.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	5.045	534	537	555	rBV	258582	394064	25.04%	1.412%
2	6.116	716	719	727	rVV	360336	422155	26.82%	1.513%
3	6.222	734	737	743	rVB	433564	428333	27.22%	1.535%
4	6.298	747	750	754	rBV	127013	115815	7.36%	0.415%
5	6.445	772	775	779	rBV	650691	551962	35.07%	1.978%
6	6.481	779	781	783	rVB2	74284	54591	3.47%	0.196%
7	6.598	796	801	806	rBV	333277	376882	23.95%	1.351%
8	6.745	822	826	829	rVB2	60147	77160	4.90%	0.276%
9	6.775	829	831	834	rBV2	86862	81500	5.18%	0.292%
10	6.810	834	837	840	rVV	90555	85948	5.46%	0.308%
11	6.857	840	845	851	rVB3	101708	167800	10.66%	0.601%
12	6.992	862	868	870	rBV4	86907	119999	7.62%	0.430%
13	7.016	870	872	875	rVV	262364	226370	14.38%	0.811%
14	7.069	878	881	884	rVV	426583	335591	21.32%	1.203%
15	7.110	886	888	891	rVB2	97299	91286	5.80%	0.327%
16	7.145	891	894	897	rBV3	39545	56226	3.57%	0.201%
17	7.181	897	900	903	rVB2	76901	82230	5.22%	0.295%
18	7.228	903	908	910	rVB3	63418	76081	4.83%	0.273%
19	7.257	910	913	919	rVB	261814	239383	15.21%	0.858%
20	7.316	919	923	925	rVB3	45191	60193	3.82%	0.216%
21	7.369	925	932	935	rBV5	187572	290272	18.44%	1.040%
22	7.398	935	937	941	rBV3	59968	67676	4.30%	0.243%
23	7.439	941	944	947	rBV2	99328	106252	6.75%	0.381%
24	7.475	947	950	953	rBV4	216883	221575	14.08%	0.794%
25	7.510	953	956	960	rVB2	253889	294701	18.72%	1.056%
26	7.551	960	963	964	rBV	252279	212388	13.49%	0.761%
27	7.569	964	966	969	rVB2	180417	171536	10.90%	0.615%
28	7.610	969	973	975	rBV	62856	68301	4.34%	0.245%
29	7.639	975	978	982	rVB3	103862	113082	7.18%	0.405%
30	7.698	982	988	990	rBV5	152668	243353	15.46%	0.872%
31	7.733	990	994	997	rVB2	1412187	1573865	100.00%	5.640%
32	7.816	1006	1008	1011	rBV	464499	343318	21.81%	1.230%
33	7.863	1014	1016	1019	rVB2	110115	100151	6.36%	0.359%
34	7.910	1019	1024	1025	rBV4	147890	177463	11.28%	0.636%

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35	7.928	1025	1027	1029	rVV2	132253	135612	8.62%	0.486%
36	7.945	1029	1030	1033	rVB3	134176	77578	4.93%	0.278%
37	7.975	1033	1035	1038	rVB2	101701	75873	4.82%	0.272%
38	8.033	1040	1045	1047	rBV5	216611	258800	16.44%	0.927%
39	8.063	1047	1050	1053	rVB2	222567	278487	17.69%	0.998%
40	8.098	1053	1056	1058	rBV2	309605	284654	18.09%	1.020%
41	8.133	1058	1062	1066	rVV4	377977	410563	26.09%	1.471%
42	8.175	1066	1069	1076	rVV3	921522	1023708	65.04%	3.668%
43	8.233	1076	1079	1083	rVV2	283225	236874	15.05%	0.849%
44	8.275	1085	1086	1088	rVB2	77316	50103	3.18%	0.180%
45	8.345	1094	1098	1101	rBV	1784864	1569448	99.72%	5.624%
46	8.386	1102	1105	1109	rVV2	319673	418813	26.61%	1.501%
47	8.439	1109	1114	1117	rVB3	307417	498772	31.69%	1.787%
48	8.469	1117	1119	1123	rBV5	92438	121657	7.73%	0.436%
49	8.498	1123	1124	1128	rBV3	74704	74752	4.75%	0.268%
50	8.551	1128	1133	1136	rVV3	406061	458766	29.15%	1.644%
51	8.622	1140	1145	1147	rVV2	359299	448825	28.52%	1.608%
52	8.645	1147	1149	1151	rVV2	393154	367931	23.38%	1.318%
53	8.675	1151	1154	1156	rVV2	360916	385820	24.51%	1.383%
54	8.704	1156	1159	1163	rVB2	506522	514754	32.71%	1.845%
55	8.745	1163	1166	1168	rBV3	455116	439844	27.95%	1.576%
56	8.769	1168	1170	1173	rVV2	796463	631786	40.14%	2.264%
57	8.804	1173	1176	1180	rVB	452911	380133	24.15%	1.362%
58	8.904	1188	1193	1198	rBV	1513572	1482329	94.18%	5.312%
59	8.951	1198	1201	1204	rVV2	322855	370318	23.53%	1.327%
60	8.980	1204	1206	1208	rVB2	211734	157943	10.04%	0.566%
61	9.010	1208	1211	1215	rVB4	109273	185212	11.77%	0.664%
62	9.057	1215	1219	1222	rBV5	107858	168281	10.69%	0.603%
63	9.157	1232	1236	1238	rVV2	330563	445216	28.29%	1.595%
64	9.180	1238	1240	1242	rVV3	280477	256057	16.27%	0.918%
65	9.222	1242	1247	1249	rVV4	584901	936007	59.47%	3.354%
66	9.239	1249	1250	1253	rVV	423530	314727	20.00%	1.128%
67	9.280	1255	1257	1259	rVV	263158	205151	13.03%	0.735%
68	9.327	1263	1265	1268	rVB3	89629	73779	4.69%	0.264%
69	9.427	1279	1282	1285	rBV	892239	750469	47.68%	2.689%
70	9.469	1285	1289	1294	rVB2	807936	756319	48.05%	2.710%
71	9.539	1299	1301	1304	rVB3	59128	42596	2.71%	0.153%

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72	9.657	1318	1321	1324	rBV2	95802	118803	7.55%	0.426%
73	9.686	1324	1326	1329	rVV	118484	88952	5.65%	0.319%
74	9.745	1334	1336	1340	rVB2	198449	173769	11.04%	0.623%
75	9.786	1340	1343	1345	rBV2	84746	84954	5.40%	0.304%
76	9.874	1355	1358	1361	rVB3	48040	48011	3.05%	0.172%
77	9.922	1363	1366	1370	rVB	458261	391762	24.89%	1.404%
78	10.139	1399	1403	1406	rBV	127939	154169	9.80%	0.552%
79	10.257	1420	1423	1427	rBV3	210608	204216	12.98%	0.732%
80	10.392	1443	1446	1453	rBV	262025	320760	20.38%	1.149%
81	10.522	1465	1468	1475	rVB9	18444	42799	2.72%	0.153%
82	10.586	1475	1479	1483	rBV3	48791	70006	4.45%	0.251%
83	10.839	1518	1522	1524	rBV	156786	135766	8.63%	0.486%
84	10.869	1524	1527	1531	rVB	73658	69304	4.40%	0.248%
85	10.939	1536	1539	1542	rBV	634973	547459	34.78%	1.962%
86	10.963	1542	1543	1549	rVB	64014	50440	3.20%	0.181%
87	11.263	1591	1594	1599	rBV	118737	107020	6.80%	0.383%
88	11.668	1660	1663	1668	rBV	87824	91300	5.80%	0.327%
89	12.039	1723	1726	1727	rVV3	56278	62188	3.95%	0.223%
90	12.051	1727	1728	1731	rVB2	91498	75794	4.82%	0.272%
91	12.145	1741	1744	1749	rBV	126534	117216	7.45%	0.420%
92	12.368	1778	1782	1786	rBV	124180	131467	8.35%	0.471%
93	12.421	1789	1791	1797	rVB2	68586	67500	4.29%	0.242%
94	12.521	1804	1808	1811	rBV	341845	326963	20.77%	1.172%
95	12.774	1849	1851	1854	rVB2	64761	47551	3.02%	0.170%
96	13.115	1907	1909	1912	rBV	53035	46548	2.96%	0.167%
97	13.445	1962	1965	1970	rVB2	75825	84325	5.36%	0.302%
98	13.562	1981	1985	1988	rBV	540450	556456	35.36%	1.994%
99	14.351	2117	2119	2122	rBV	72557	76877	4.88%	0.275%
100	14.904	2210	2213	2217	rBV	251939	298918	18.99%	1.071%

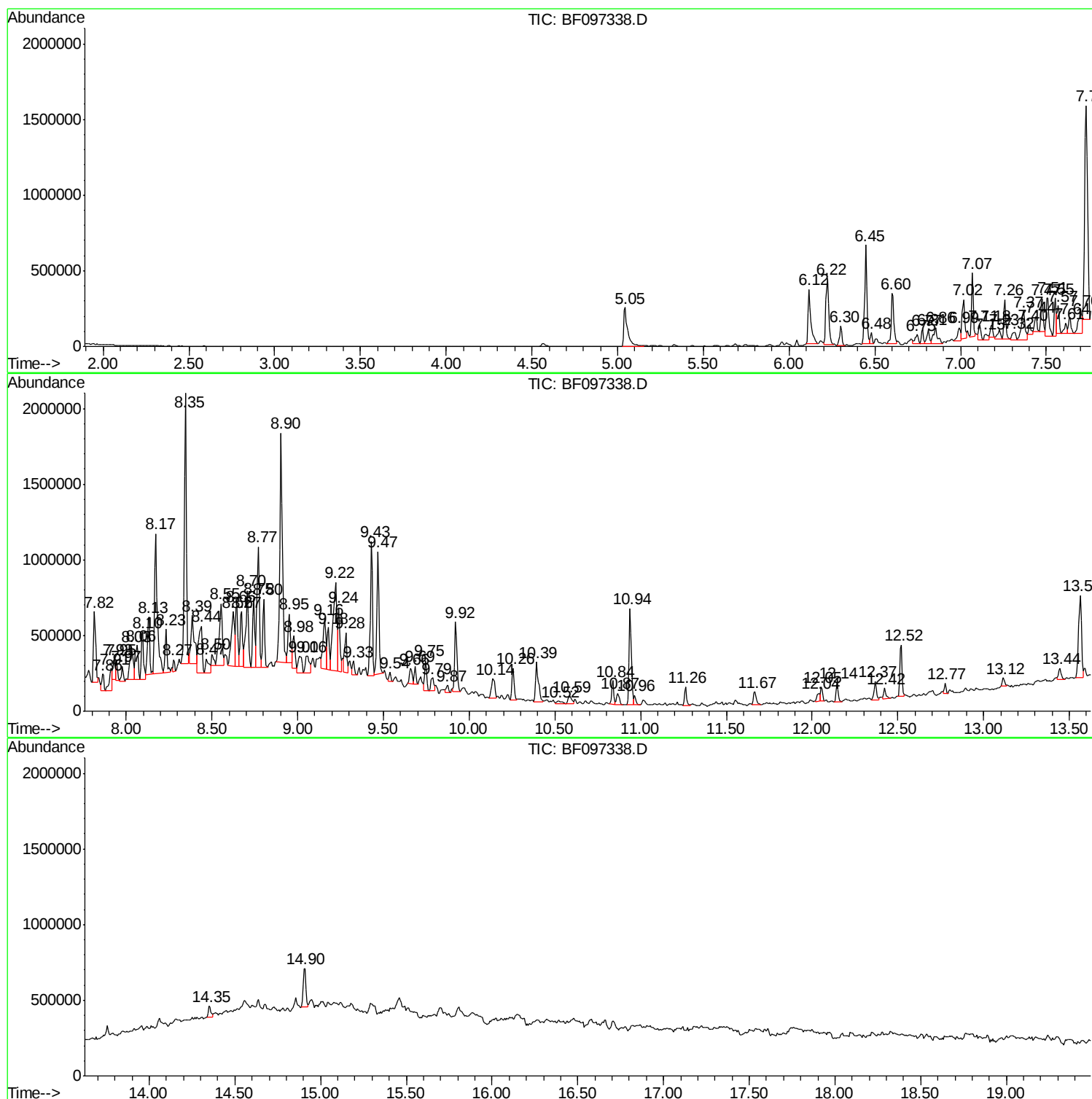
Sum of corrected areas: 27906752

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.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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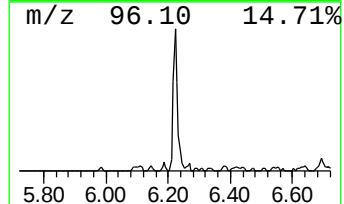
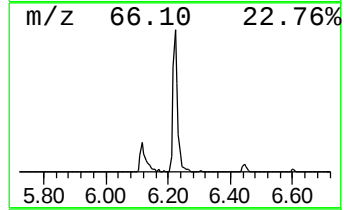
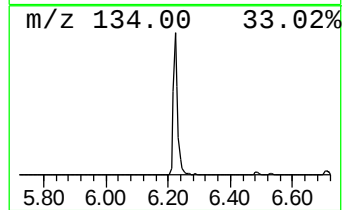
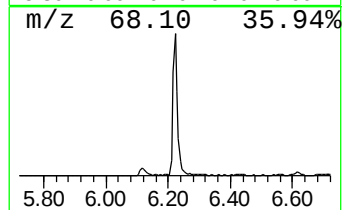
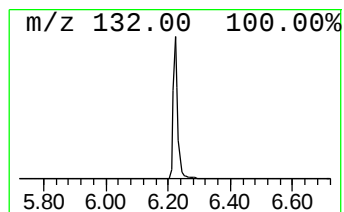
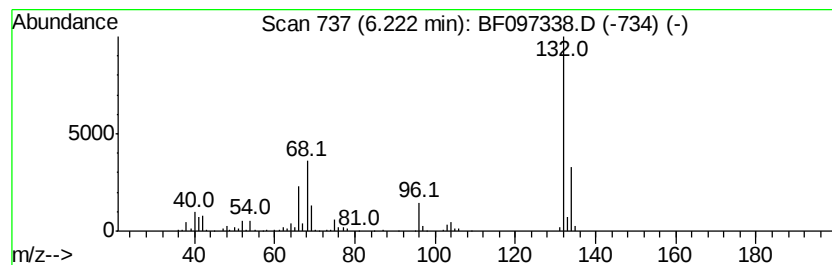
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.22 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	15.52 ng	428333	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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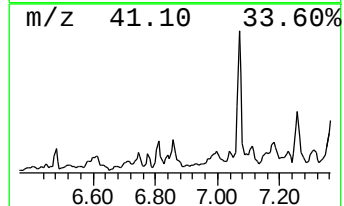
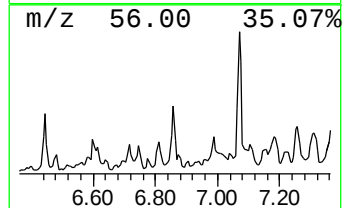
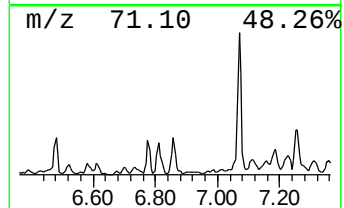
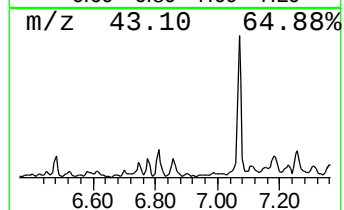
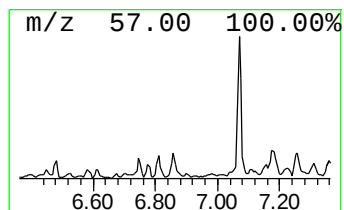
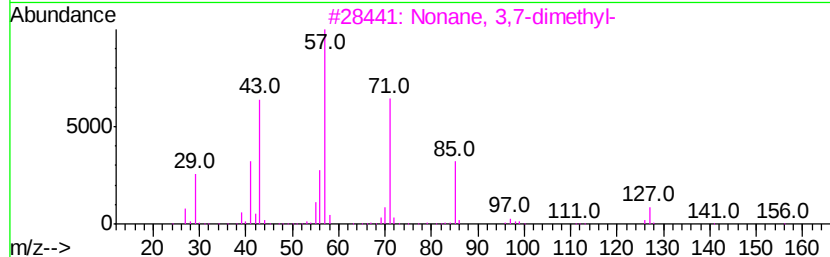
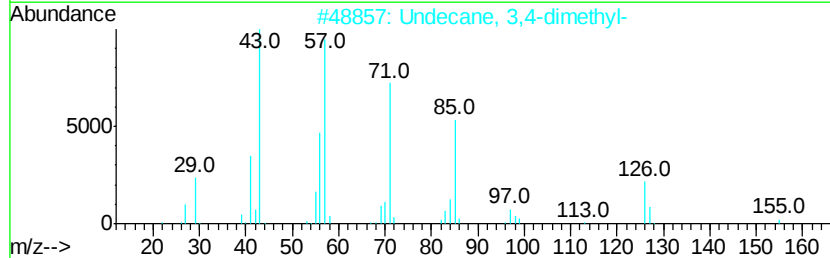
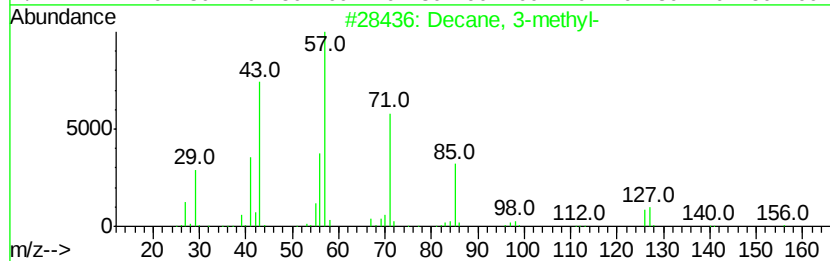
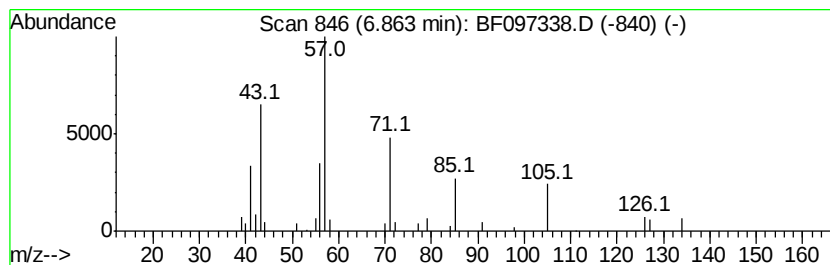
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Decane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	6.08 ng	167800	1,4-Dichlorobenzene-d4	6.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	64
2			Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	53
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5			Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	43



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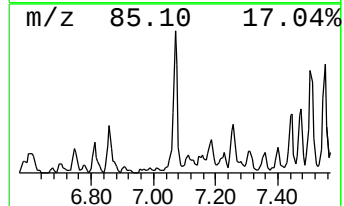
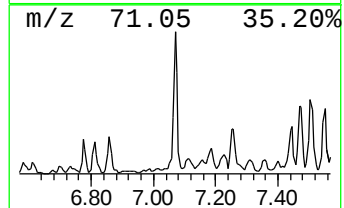
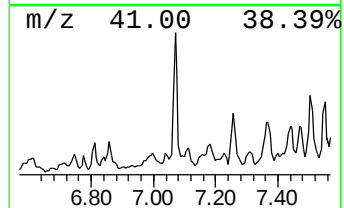
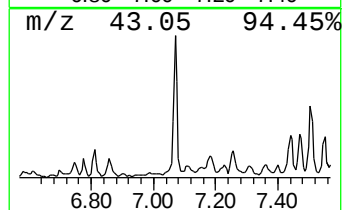
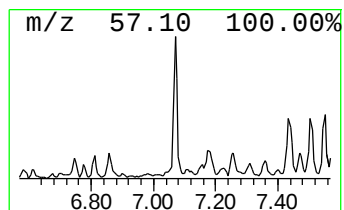
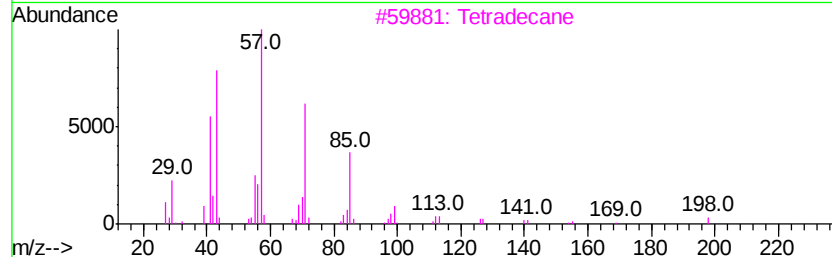
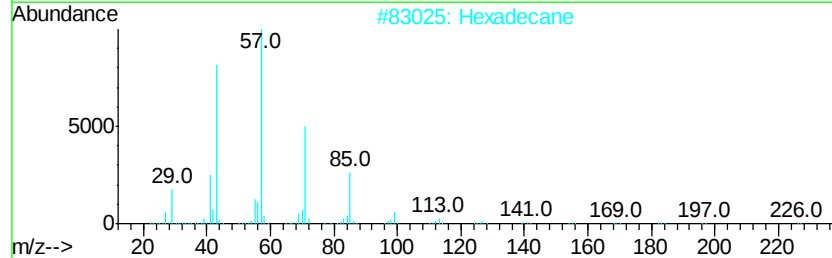
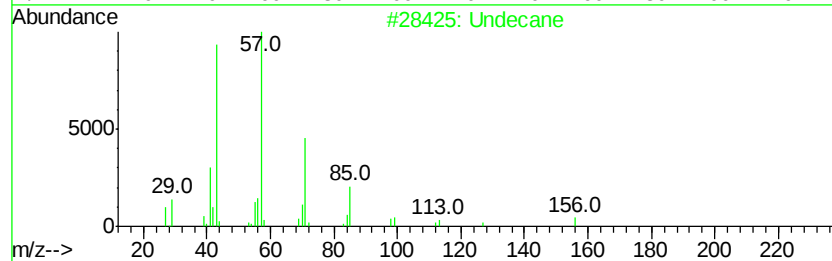
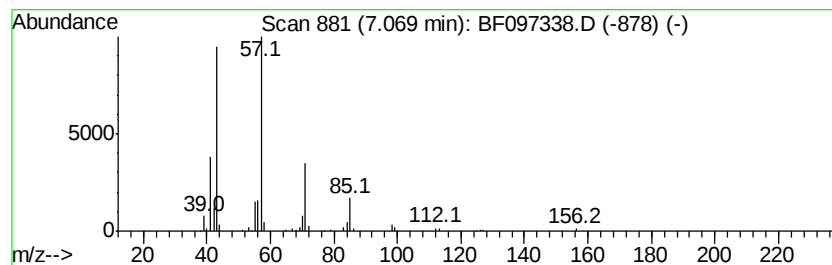
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Peak Number 4 Undecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	12.16 ng	335591	1,4-Dichlorobenzene-d4	6.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	83
2		Hexadecane	226	C16H34	000544-76-3	78
3		Tetradecane	198	C14H30	000629-59-4	64
4		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
5		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64



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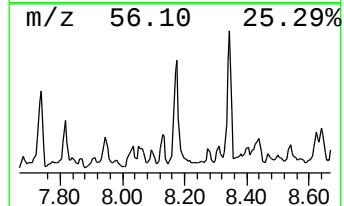
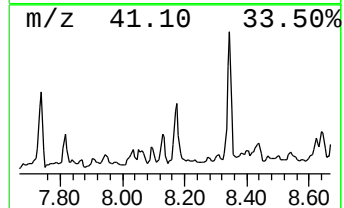
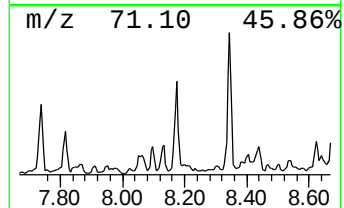
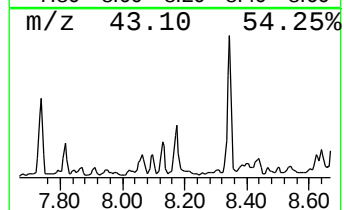
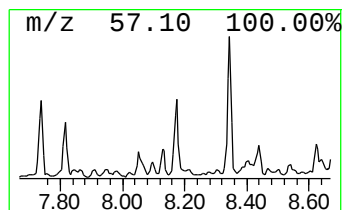
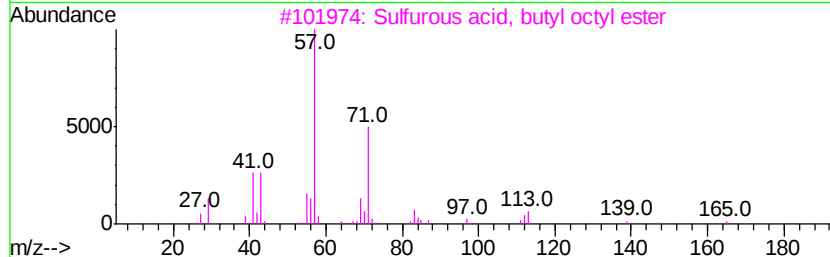
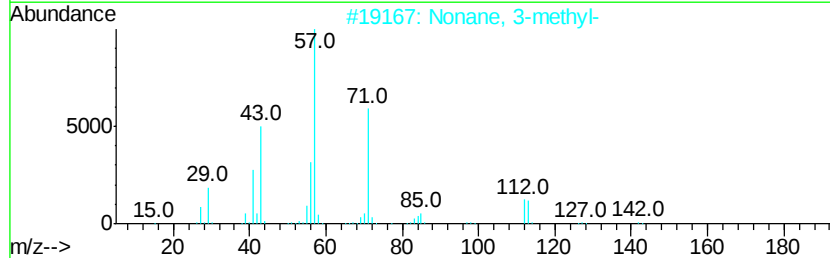
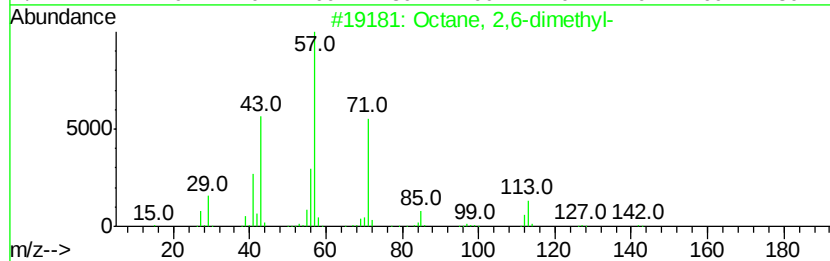
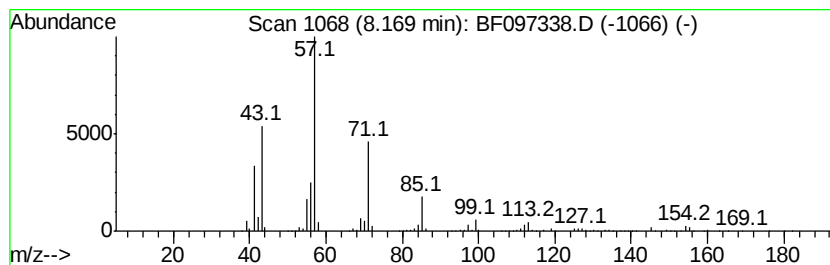
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	13.01 ng	1023710	Napthalene-d8	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	64
3		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
4		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59
5		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-G

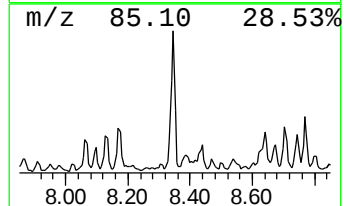
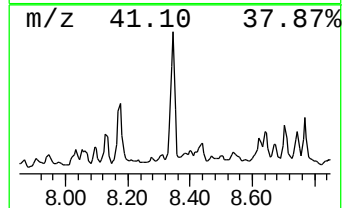
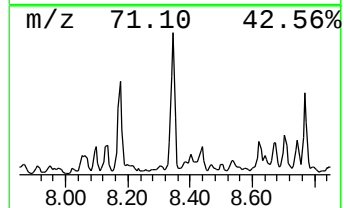
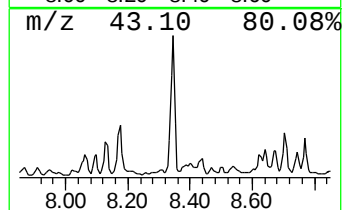
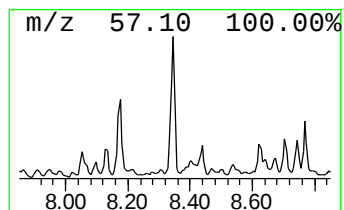
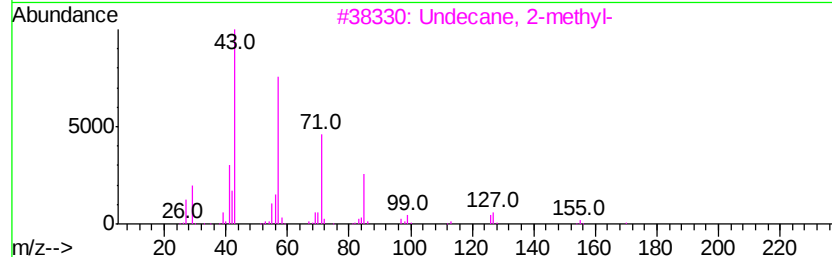
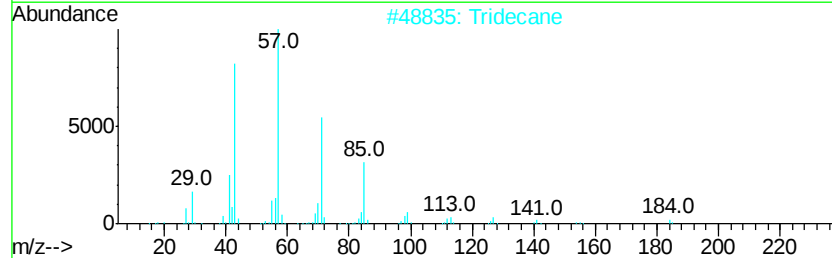
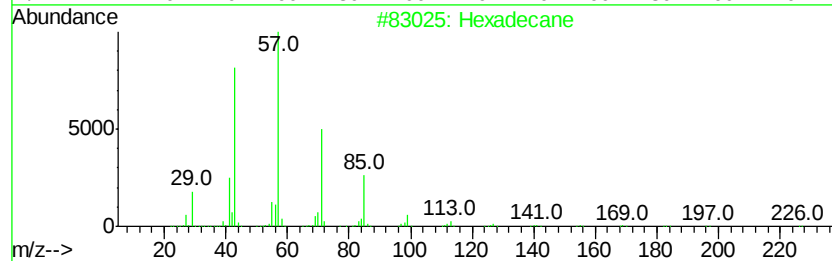
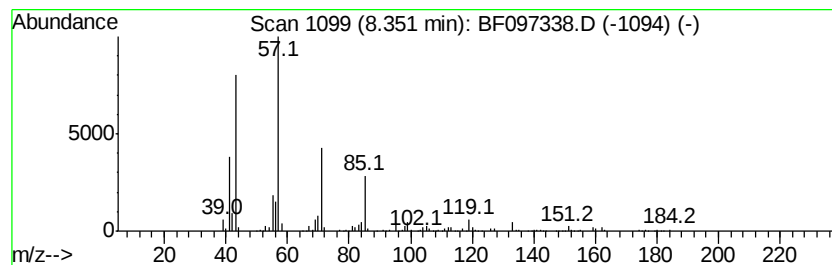
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	19.94 ng	1569450	Naphthalene-d8	7.73

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	90
2	Tridecane		184	C13H28	000629-50-5	86
3	Undecane, 2-methyl-		170	C12H26	007045-71-8	72
4	Sulfurous acid, dodecyl 2-propyl...		292	C15H32O3S	1000309-12-3	72
5	Nonane, 5-butyl-		184	C13H28	017312-63-9	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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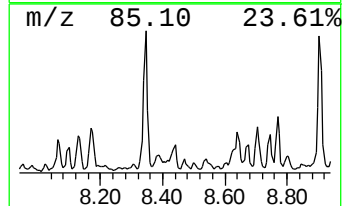
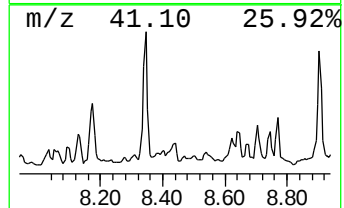
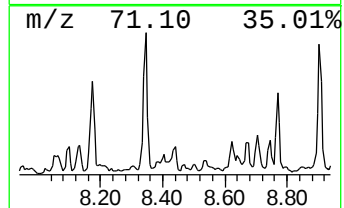
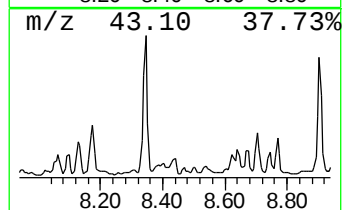
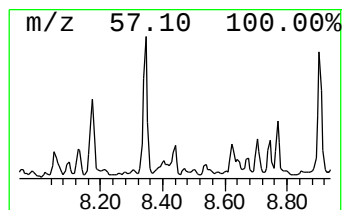
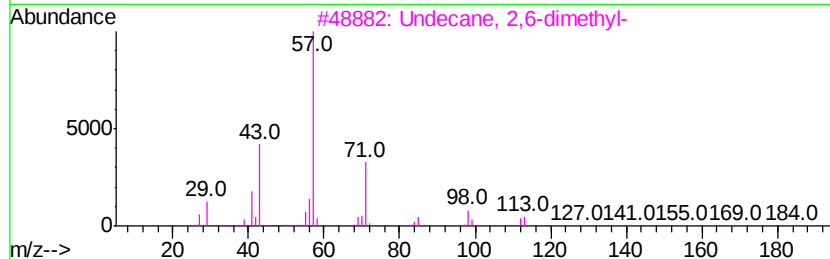
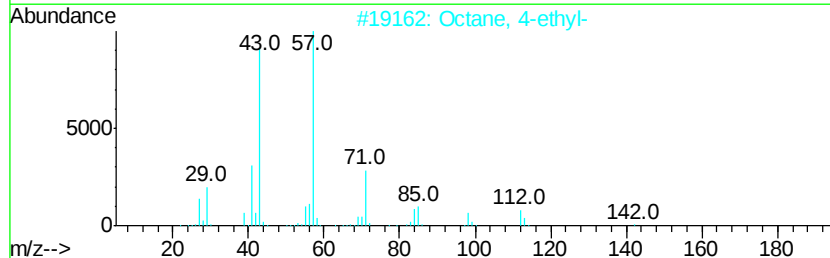
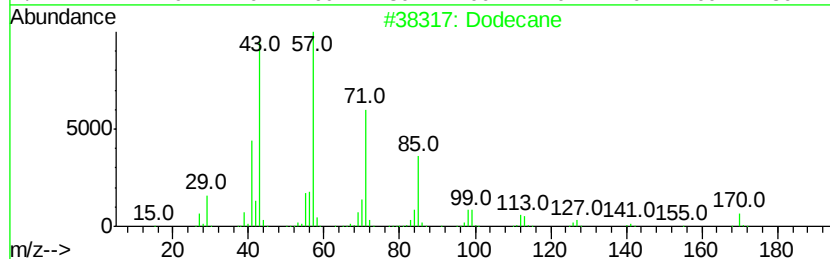
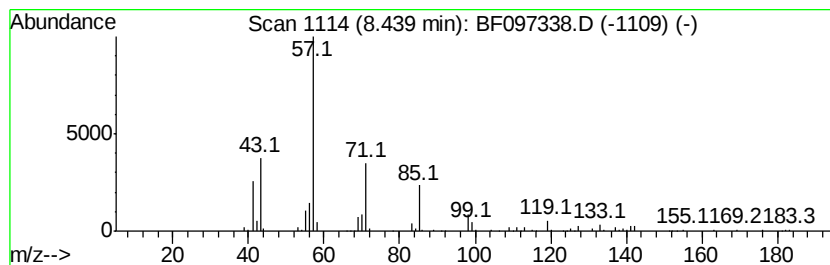
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	6.34 ng	498772	Napthalene-d8	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	53
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	53
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4		Nonadecane	268	C19H40	000629-92-5	50
5		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
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Operator : SJ/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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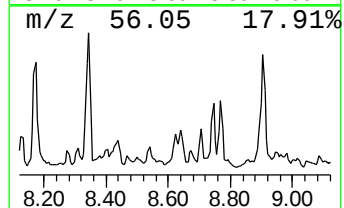
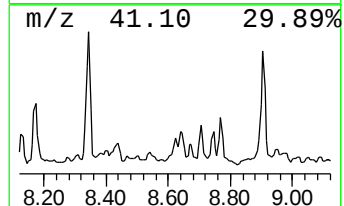
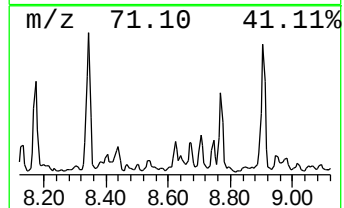
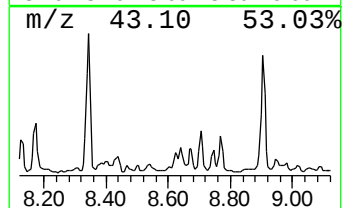
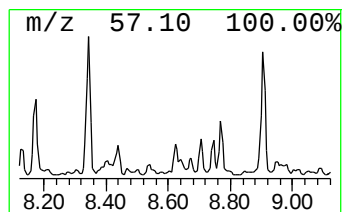
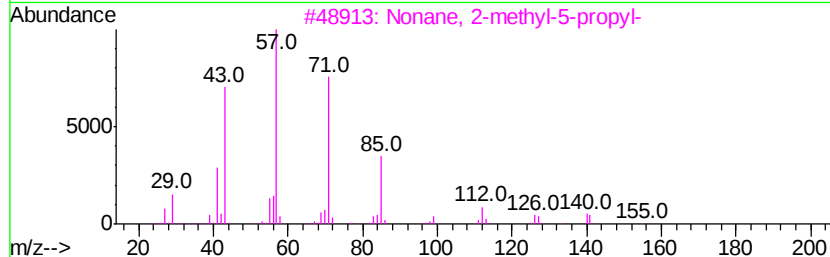
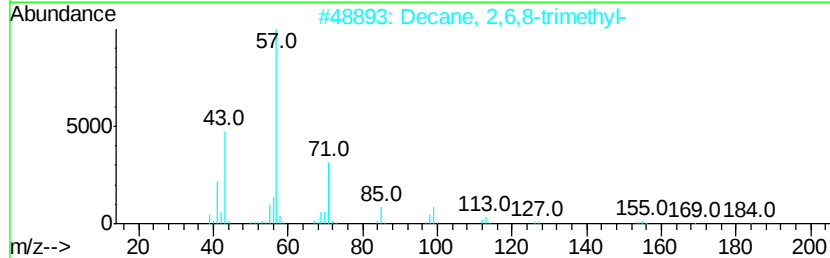
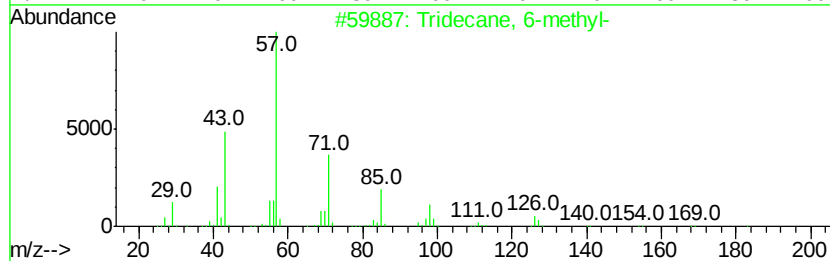
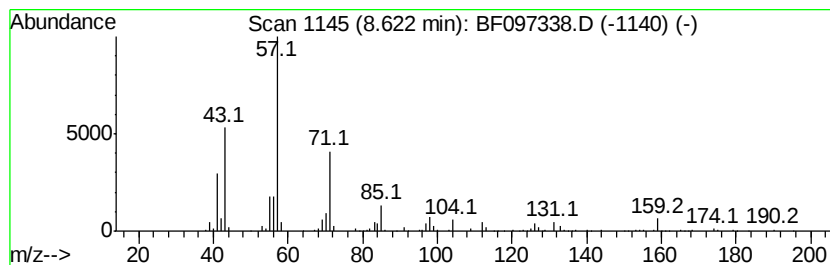
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Tridecane, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	11.87 ng	448825	Acenaphthene-d10	9.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
2		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	53
3		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53
4		Undecane	156	C11H24	001120-21-4	47
5		2,3-Dimethyldecane	170	C12H26	017312-44-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
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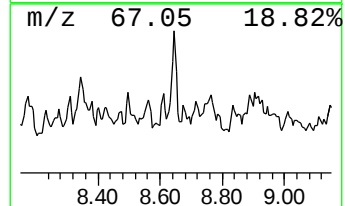
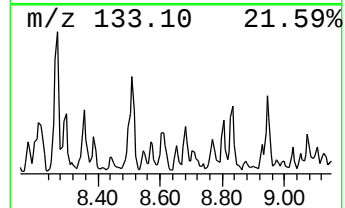
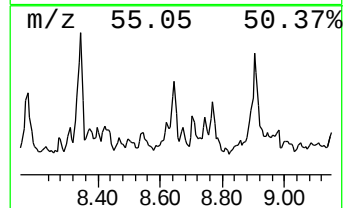
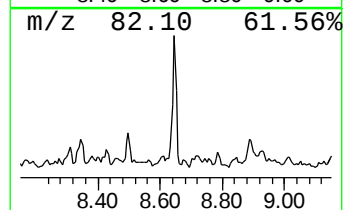
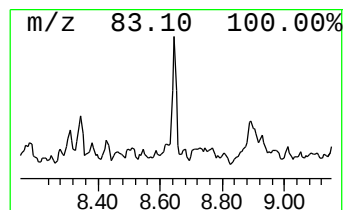
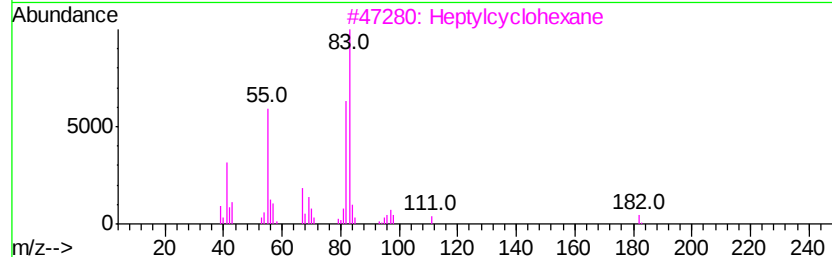
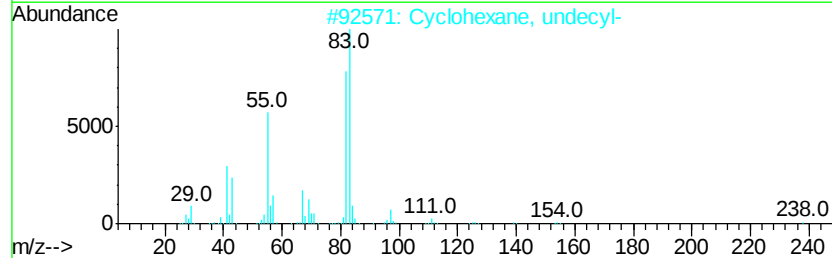
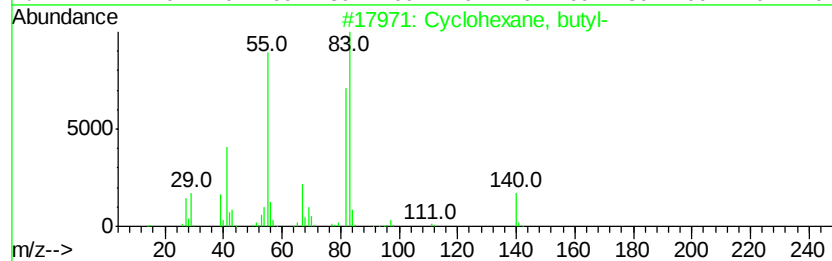
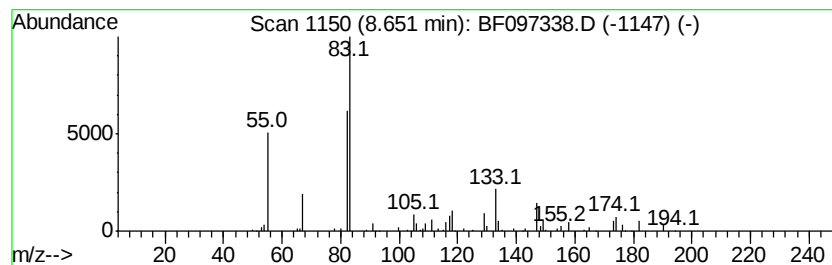
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclohexane, butyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.65	9.73 ng	367931	Acenaphthene-d10	9.47	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, butyl-	140	C10H20	001678-93-9	72
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
3	Heptylcvclohexane	182	C13H26	005617-41-4	72
4	Cvclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
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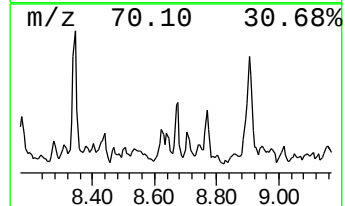
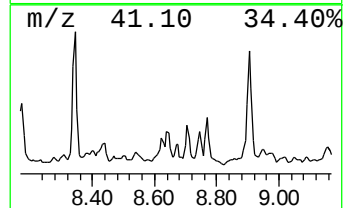
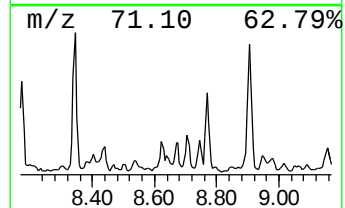
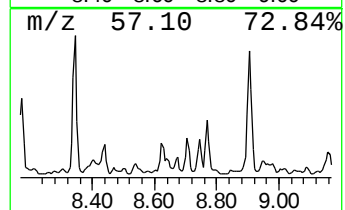
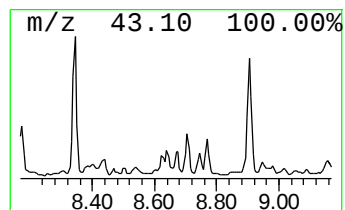
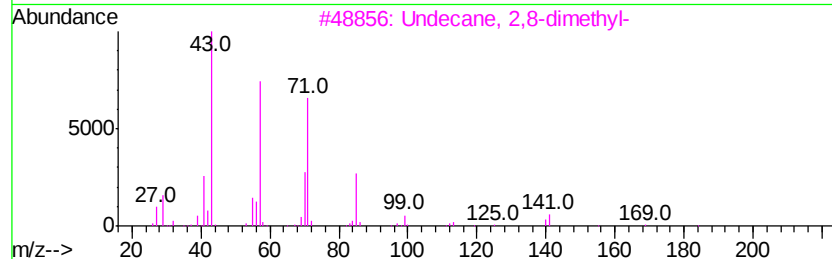
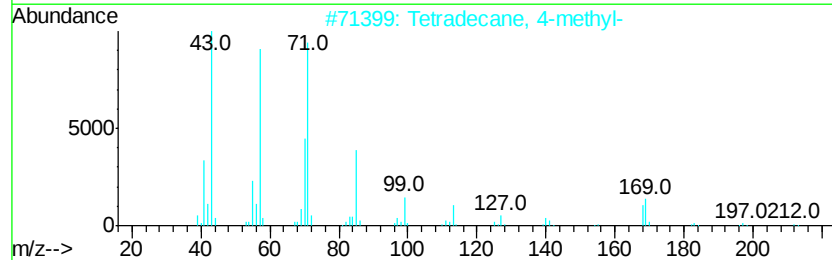
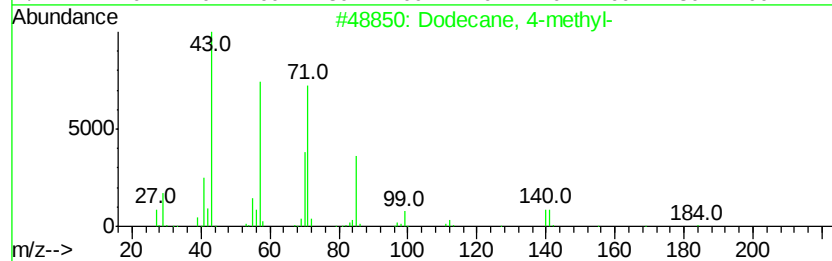
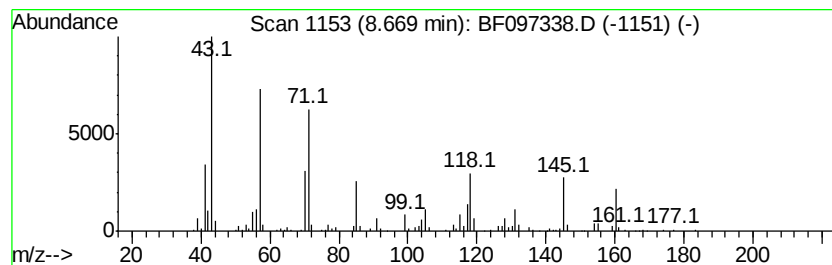
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.67 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	10.20 ng	385820	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
2		Tetradecane, 4-methyl-	212	C15H32	025117-24-2	47
3		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	47
4		2,3-Dimethyldodecane	198	C14H30	006117-98-2	46
5		Tridecane, 4-methyl-	198	C14H30	026730-12-1	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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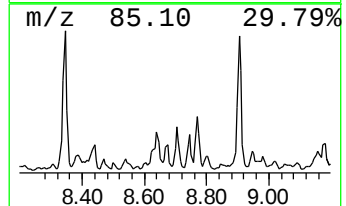
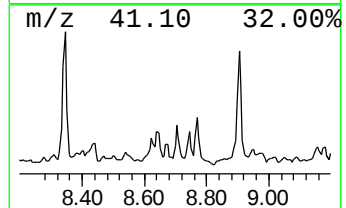
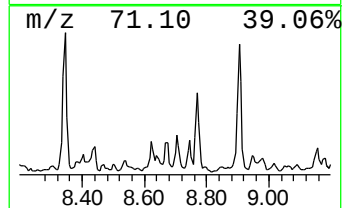
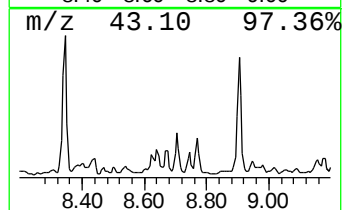
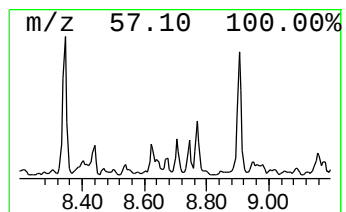
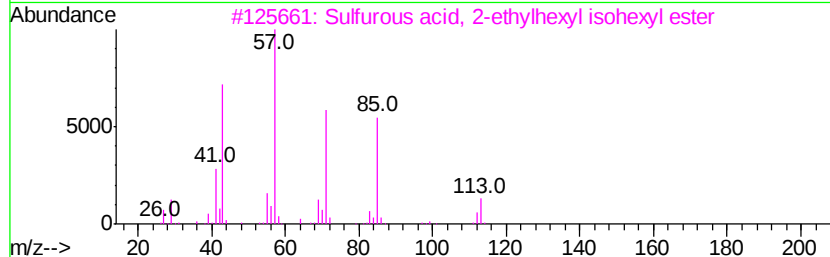
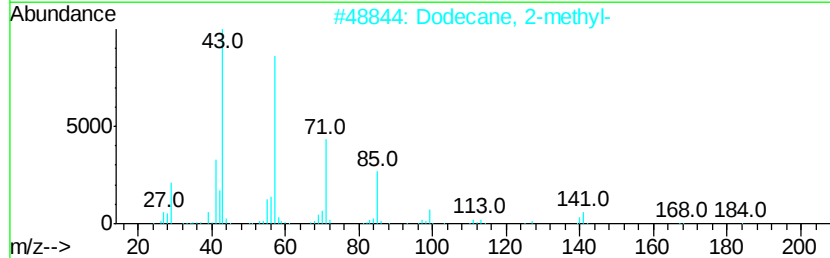
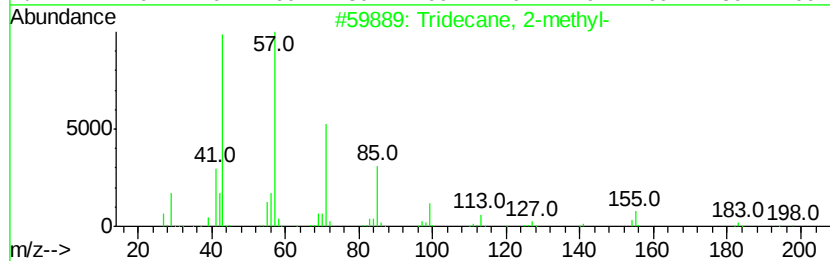
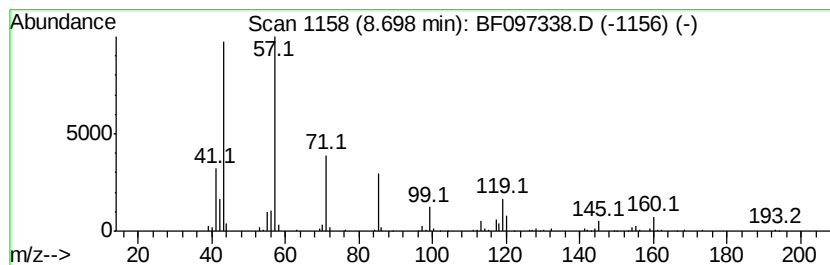
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Tridecane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	13.61 ng	514754	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	83
2		Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
3		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	72
4		1-Iodoundecane	282	C11H23I	004282-44-4	64
5		Decane, 2-methyl-	156	C11H24	006975-98-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
Misc :
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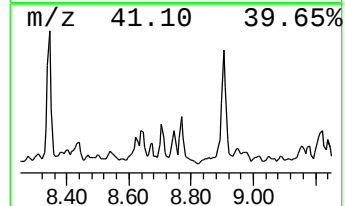
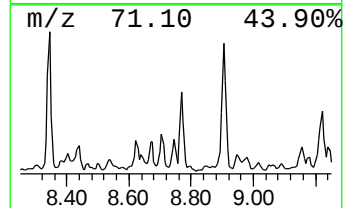
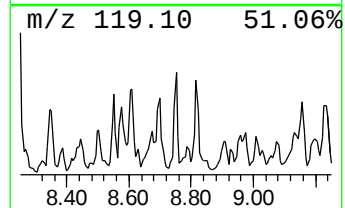
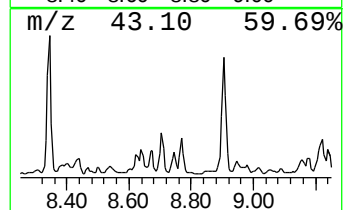
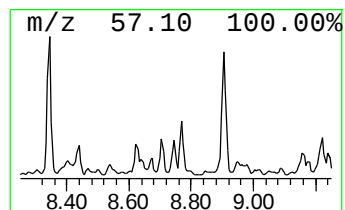
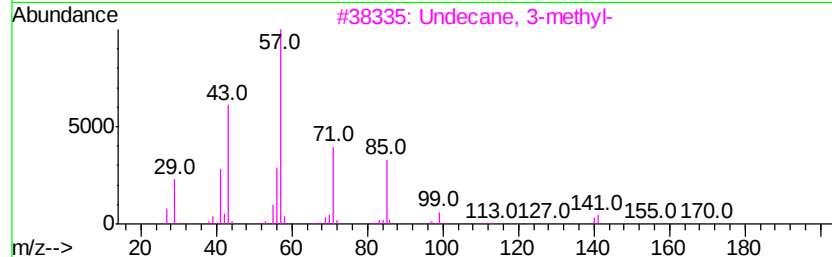
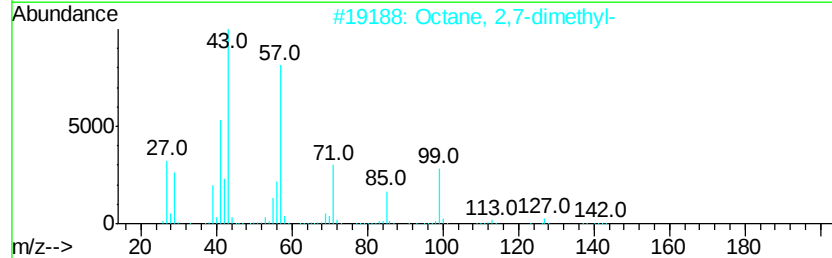
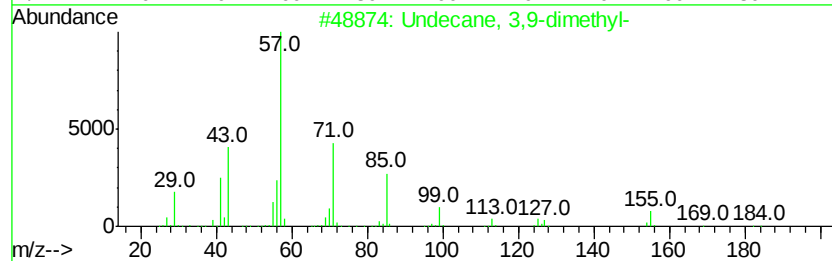
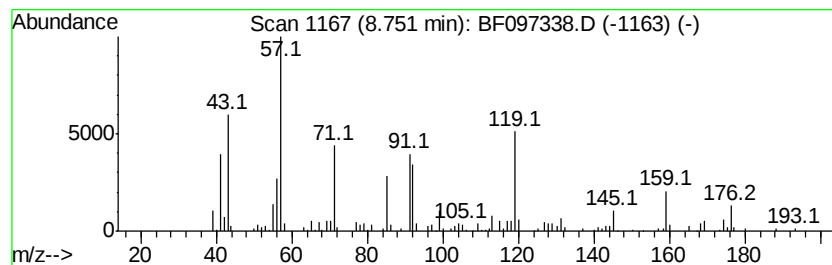
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ClientSampleId :
JC-02-080117-G

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Undecane, 3,9-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
8.75	11.63 ng	439844	Acenaphthene-d10		9.47
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	59
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	58
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	43
4	1-Iodoundecane	282	C11H23I	004282-44-4	43
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
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ClientSampleId :
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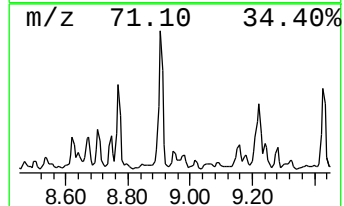
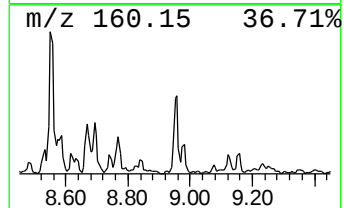
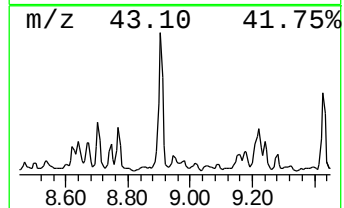
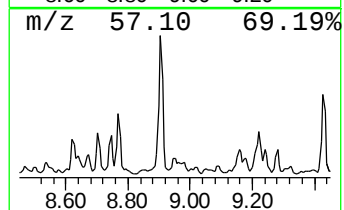
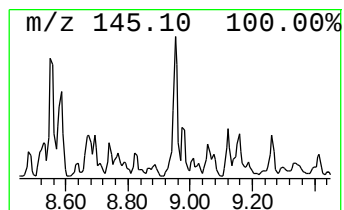
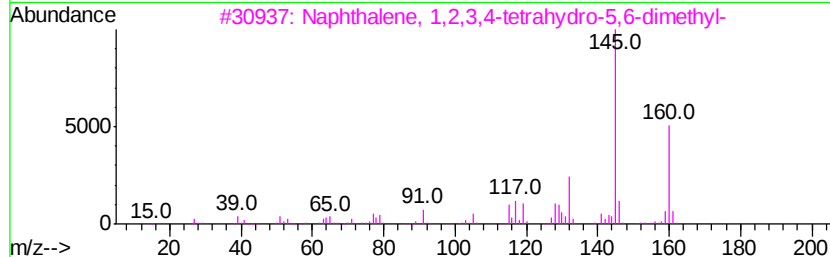
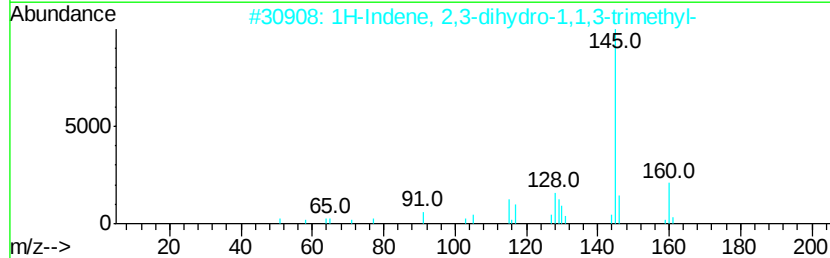
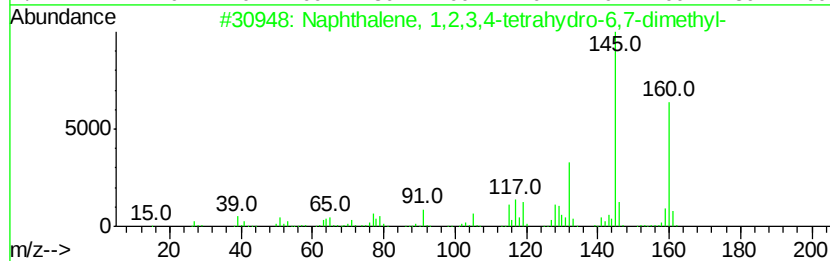
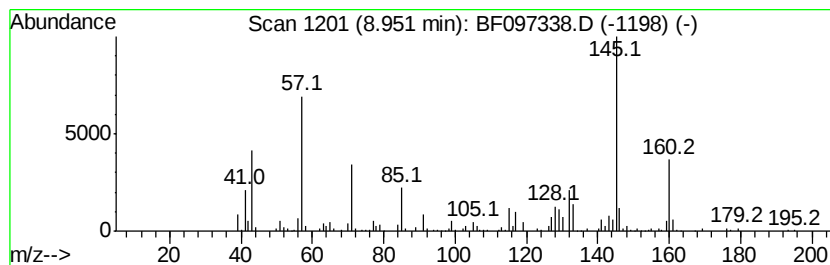
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	9.79 ng	370318	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	94
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	92
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	89
4		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	83
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
Misc :
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ClientSampleId :
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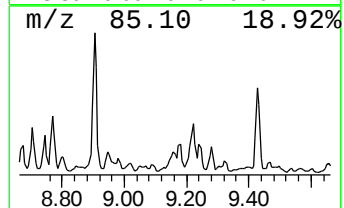
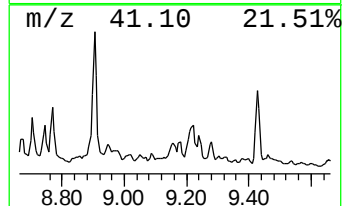
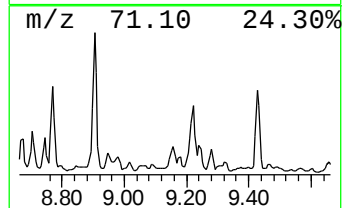
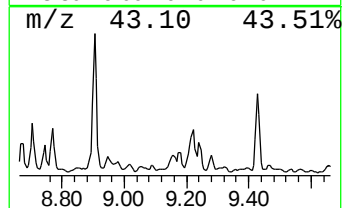
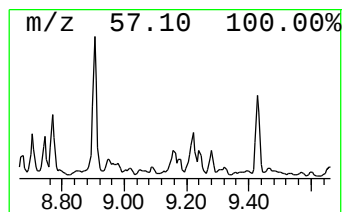
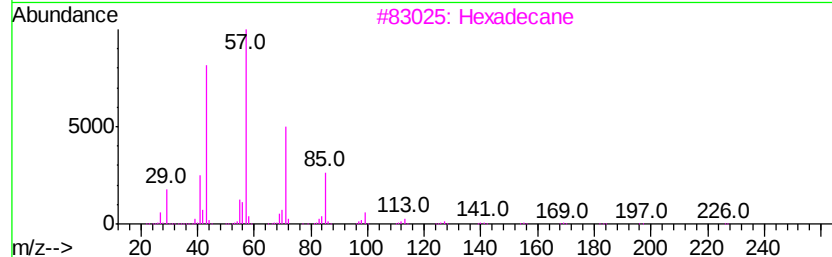
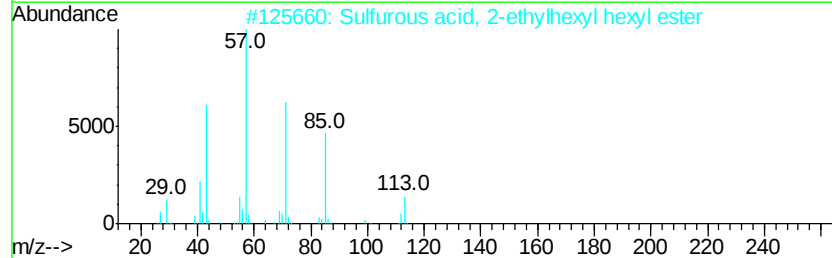
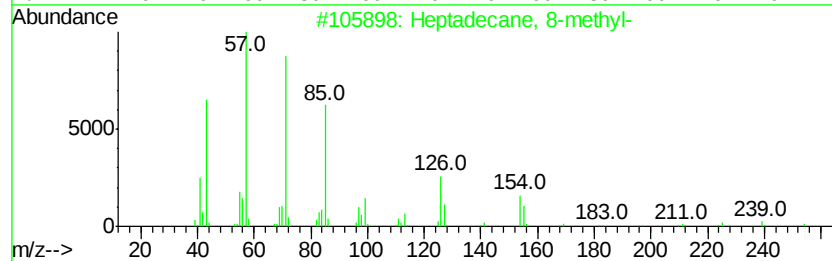
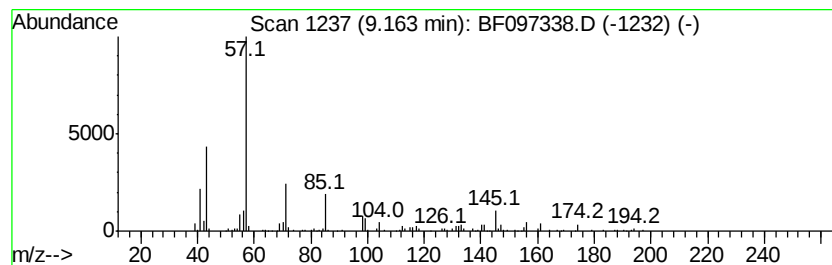
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown9.16 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	11.77 ng	445216	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	47
2		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47
3		Hexadecane	226	C16H34	000544-76-3	43
4		Tridecane	184	C13H28	000629-50-5	38
5		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JC-02-080117-G

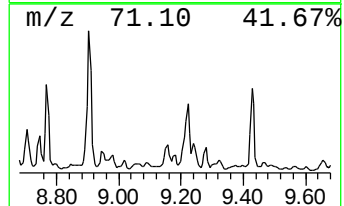
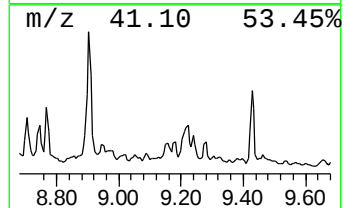
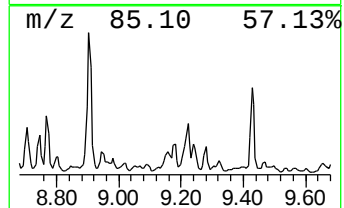
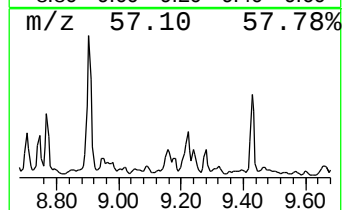
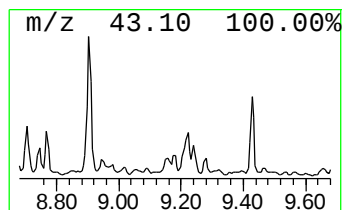
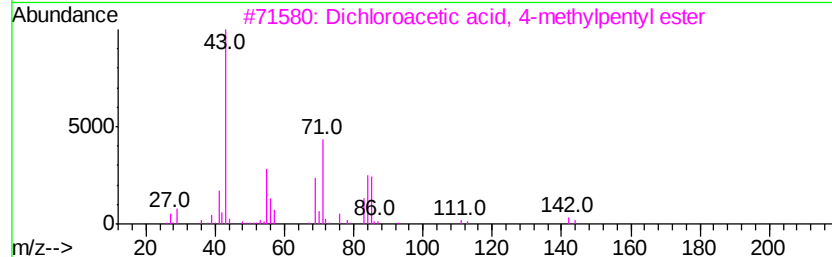
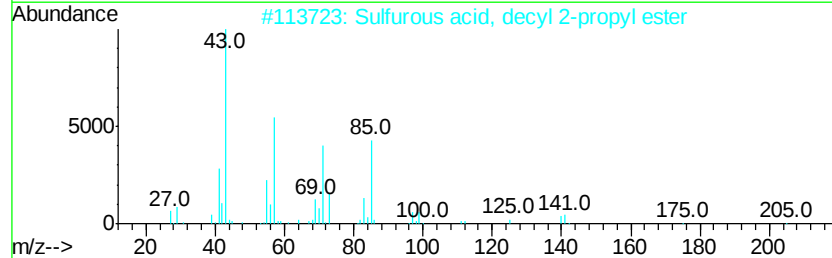
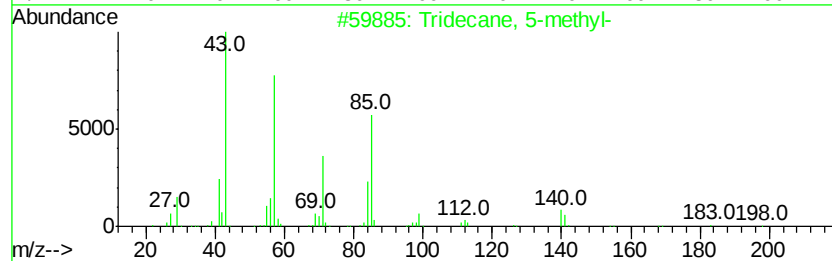
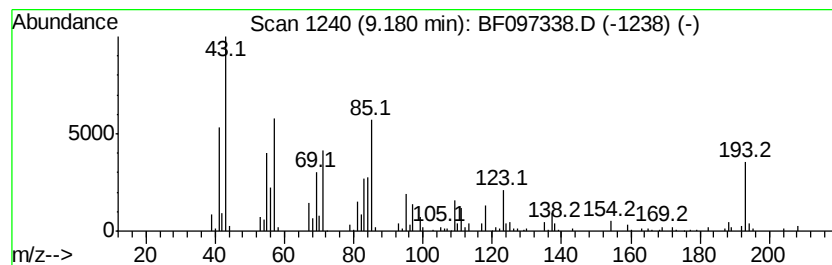
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown9.18 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	6.77 ng	256057	Acenaphthene-d10	9.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 5-methyl-	198	C14H30	025117-31-1	38
2			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	35
3			Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	27
4			Malonic acid, 2-heptyl isoheptyl ...	286	C16H30O4	1000349-13-4	27
5			Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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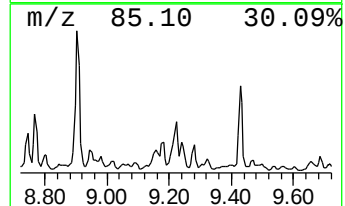
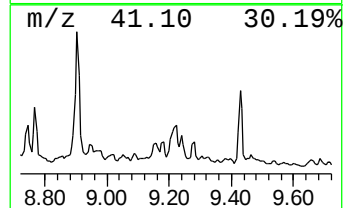
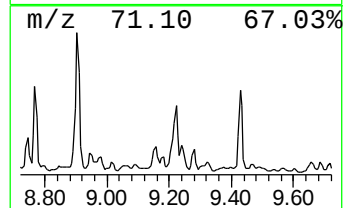
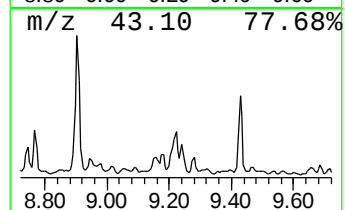
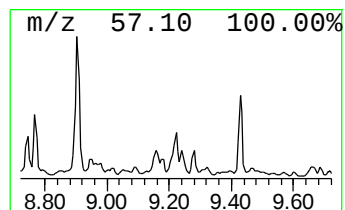
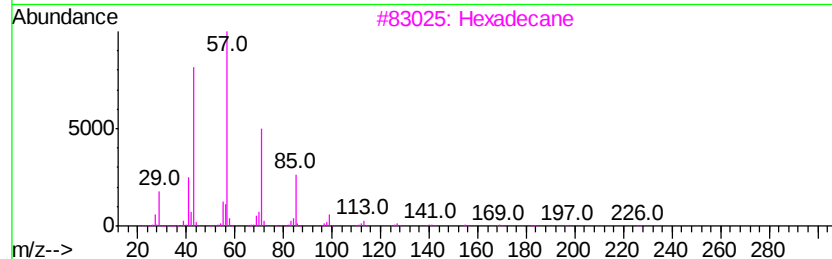
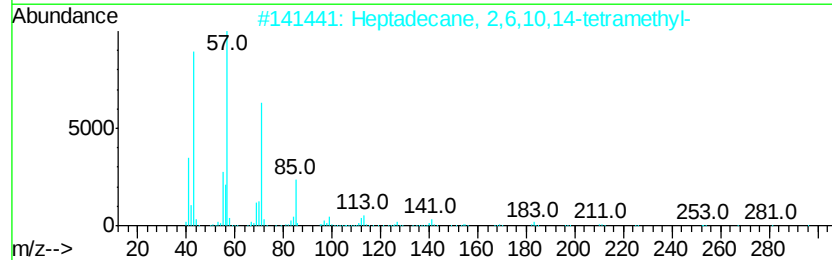
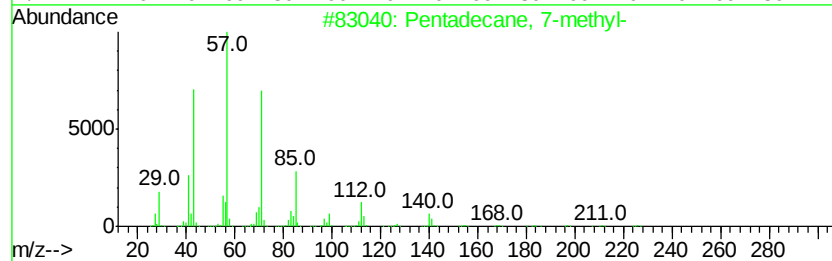
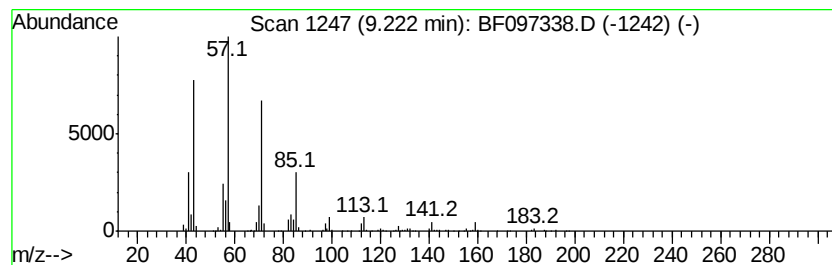
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentadecane, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	24.75 ng	936007	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	86
2		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
3		Hexadecane	226	C16H34	000544-76-3	80
4		Tridecane	184	C13H28	000629-50-5	72
5		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097338.D
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Sample : I4562-19 2X
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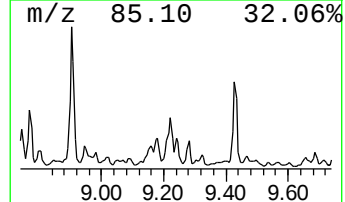
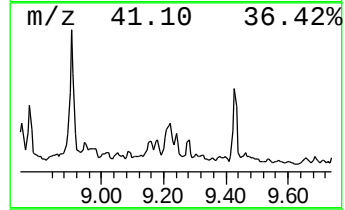
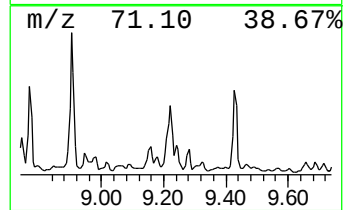
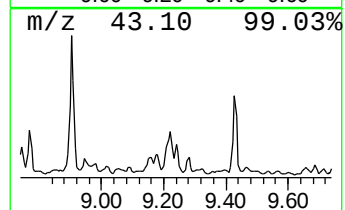
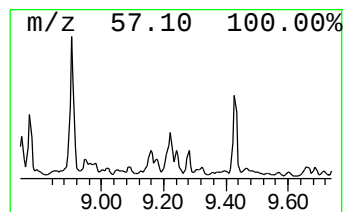
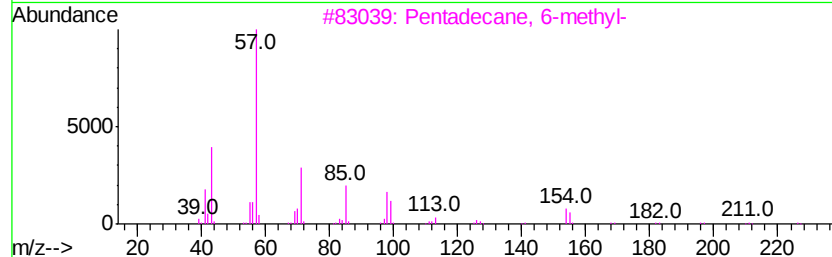
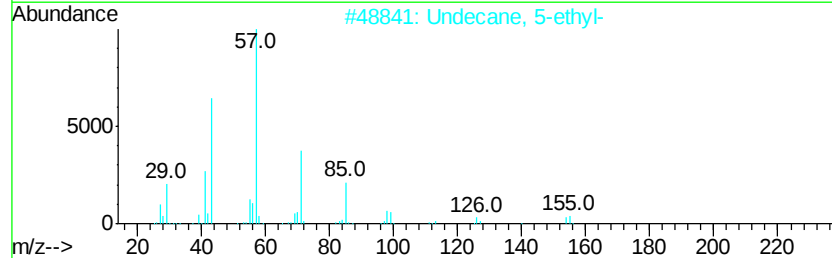
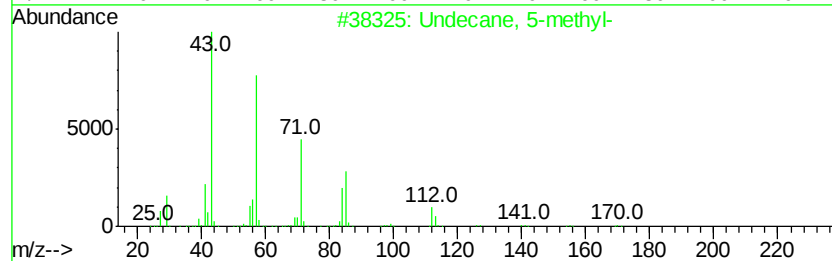
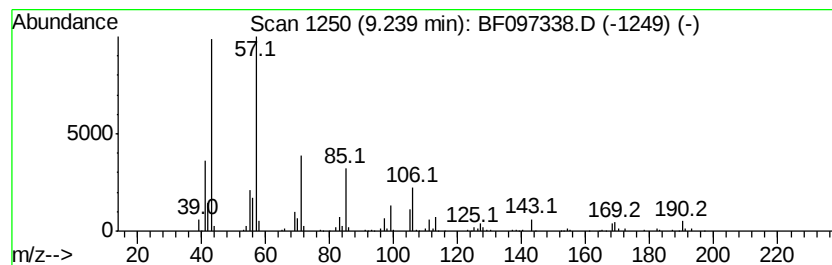
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Undecane, 5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.24	8.32 ng	314727	Acenaphthene-d10		9.47
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	60
2	Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
3	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	53
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
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ClientSampleId :
JC-02-080117-G

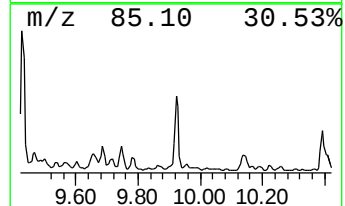
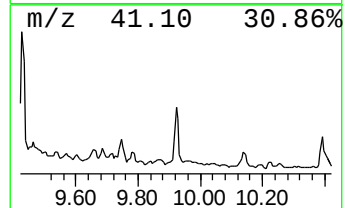
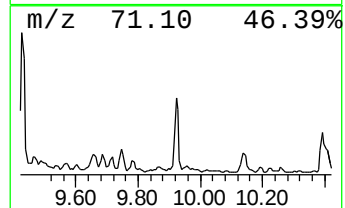
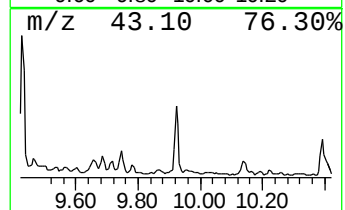
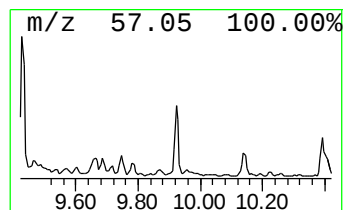
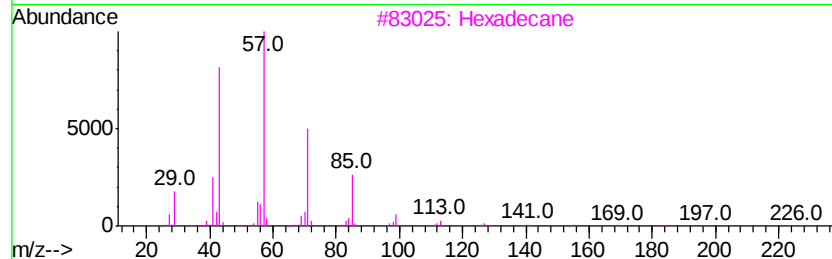
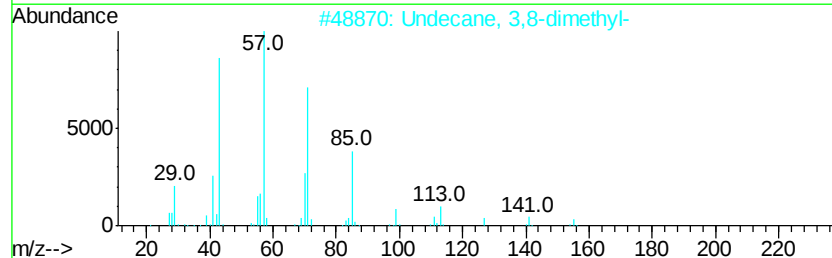
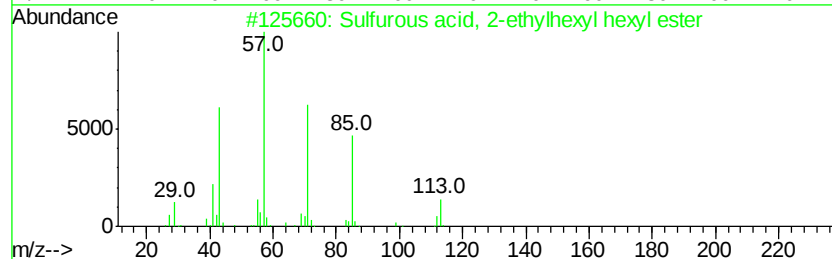
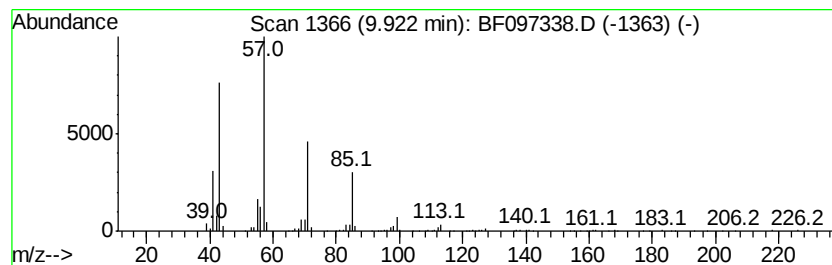
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Sulfurous acid, 2-ethylhexy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	10.36 ng	391762	Acenaphthene-d10	9.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	86
2		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	83
3		Hexadecane	226	C16H34	000544-76-3	76
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
5		Tridecane, 2-methyl-	198	C14H30	001560-96-9	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097338.D
Acq On : 4 Aug 2017 1:16
Operator : SJ/JU
Sample : I4562-19 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-G

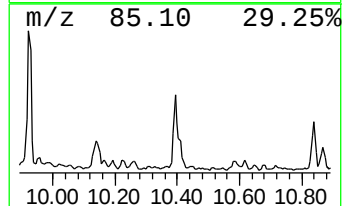
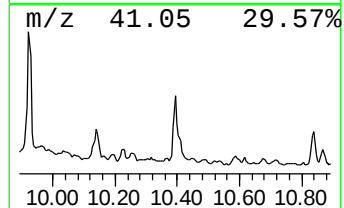
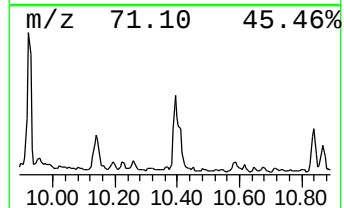
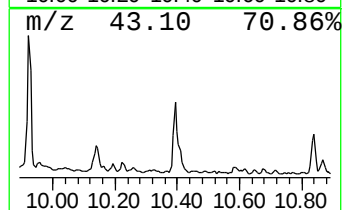
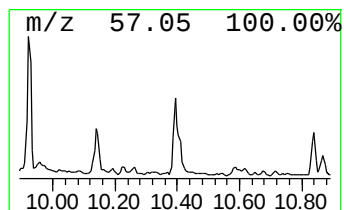
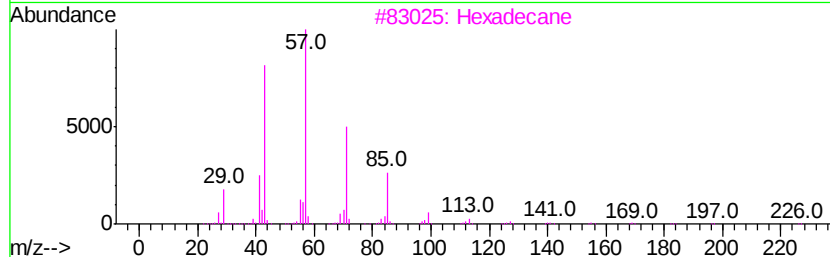
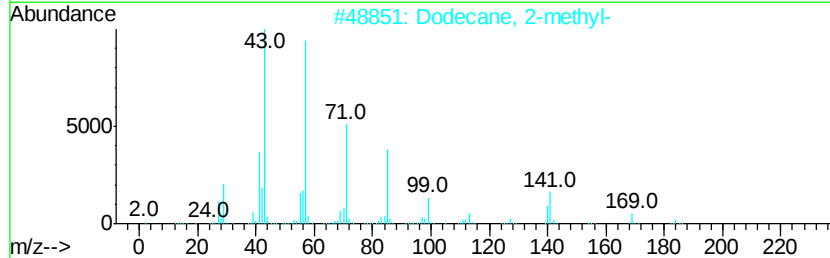
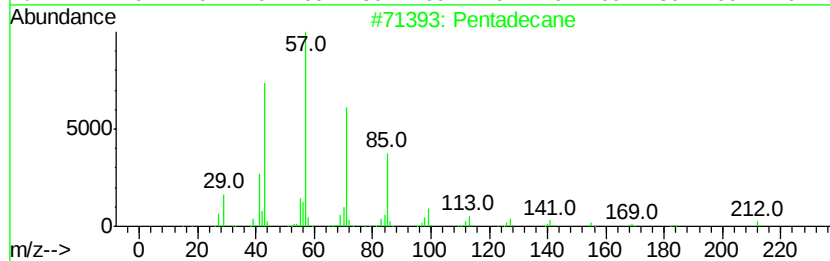
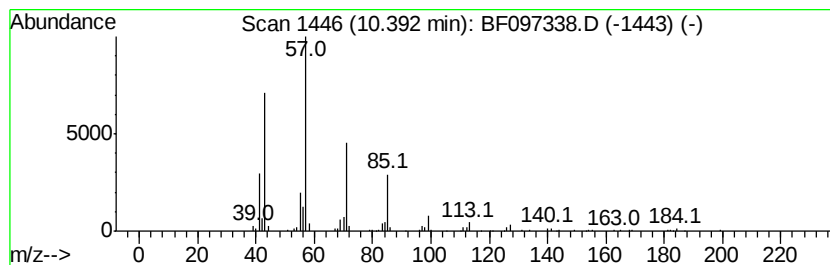
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	11.72 ng	320760	Phenanthrene-d10	10.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	90
2			Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
3			Hexadecane	226	C16H34	000544-76-3	87
4			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5			Sulfurous acid, 2-propyl tetra...	320	C17H36O3S	1000309-12-5	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080317\
 Data File : BF097338.D
 Acq On : 4 Aug 2017 1:16
 Operator : SJ/JU
 Sample : I4562-19 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-G

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.22	6.22	15.5	ng	428333	1	6.45	551962	20.0
Decane, 3-methyl-	6.86	6.1	ng	167800	1	6.45	551962	20.0
Undecane	7.07	12.2	ng	335591	1	6.45	551962	20.0
Octane, 2,6-dimet...	8.17	13.0	ng	1023710	2	7.73	1573870	20.0
Hexadecane	8.35	19.9	ng	1569450	2	7.73	1573870	20.0
Dodecane	8.44	6.3	ng	498772	2	7.73	1573870	20.0
Tridecane, 6-methyl-	8.62	11.9	ng	448825	3	9.47	756319	20.0
Cyclohexane, butyl-	8.65	9.7	ng	367931	3	9.47	756319	20.0
unknown8.67	8.67	10.2	ng	385820	3	9.47	756319	20.0
Tridecane, 2-methyl-	8.70	13.6	ng	514754	3	9.47	756319	20.0
Undecane, 3,9-dim...	8.75	11.6	ng	439844	3	9.47	756319	20.0
Naphthalene, 1,2,...	8.95	9.8	ng	370318	3	9.47	756319	20.0
unknown9.16	9.16	11.8	ng	445216	3	9.47	756319	20.0
unknown9.18	9.18	6.8	ng	256057	3	9.47	756319	20.0
Pentadecane, 7-me...	9.22	24.8	ng	936007	3	9.47	756319	20.0
Undecane, 5-methyl-	9.24	8.3	ng	314727	3	9.47	756319	20.0
Sulfurous acid, 2...	9.92	10.4	ng	391762	3	9.47	756319	20.0
Pentadecane	10.39	11.7	ng	320760	4	10.94	547459	20.0