

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101458.D
 Acq On : 15 Dec 2017 22:08
 Operator : SJ/JU
 Sample : I6875-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-03A-2

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-BF121417.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	5.046	500	503	518	rBV	218548	371690	8.09%	0.329%
2	5.440	566	570	589	rVB	3430530	3932360	85.58%	3.486%
3	6.051	669	674	681	rBV2	114999	203444	4.43%	0.180%
4	6.340	719	723	730	rBV3	150822	241550	5.26%	0.214%
5	6.457	739	743	750	rBV	3176983	4150285	90.32%	3.679%
6	6.545	754	758	761	rVV3	123415	211618	4.61%	0.188%
7	6.587	761	765	770	rVV	3511235	3770714	82.06%	3.342%
8	6.816	801	804	809	rVB	1595496	1340652	29.18%	1.188%
9	6.969	827	830	838	rVB	2719103	3064242	66.69%	2.716%
10	7.075	843	848	852	rVB4	387224	550991	11.99%	0.488%
11	7.128	852	857	859	rBV4	196150	222351	4.84%	0.197%
12	7.228	872	874	879	rVB4	143823	181713	3.95%	0.161%
13	7.345	888	894	897	rBV2	716607	865229	18.83%	0.767%
14	7.387	897	901	907	rVB	2642999	2836684	61.74%	2.514%
15	7.451	907	912	915	rBV5	511104	754047	16.41%	0.668%
16	7.504	915	921	926	rBV6	404937	933418	20.31%	0.827%
17	7.587	932	935	937	rBV2	741022	702982	15.30%	0.623%
18	7.610	937	939	942	rVB2	448808	427467	9.30%	0.379%
19	7.692	949	953	954	rBV2	296688	364060	7.92%	0.323%
20	7.710	954	956	958	rVV2	350895	340735	7.42%	0.302%
21	7.728	958	959	964	rVV3	361008	578752	12.60%	0.513%
22	7.763	964	965	969	rVB4	270397	282307	6.14%	0.250%
23	7.834	974	977	980	rBV	958706	1026127	22.33%	0.910%
24	7.910	986	990	996	rBV5	502177	789436	17.18%	0.700%
25	7.963	996	999	1002	rBV2	702803	694003	15.10%	0.615%
26	7.992	1002	1004	1006	rBV	221376	213533	4.65%	0.189%
27	8.045	1008	1013	1015	rBV4	395131	725075	15.78%	0.643%
28	8.098	1015	1022	1027	rVV3	1542260	3252528	70.79%	2.883%
29	8.151	1027	1031	1033	rVB2	2198022	2408609	52.42%	2.135%
30	8.181	1033	1036	1038	rBV3	852652	834813	18.17%	0.740%
31	8.245	1044	1047	1049	rBV4	516953	615685	13.40%	0.546%
32	8.269	1049	1051	1053	rVV3	383996	405733	8.83%	0.360%
33	8.292	1053	1055	1058	rVB2	985534	935697	20.36%	0.829%
34	8.322	1058	1060	1062	rBV2	161197	196311	4.27%	0.174%

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35	8.345	1062	1064	1066	rBV3	324023	339495	7.39%	0.301%
36	8.381	1066	1070	1075	rVB4	888283	1331075	28.97%	1.180%
37	8.422	1075	1077	1078	rBV	210177	178491	3.88%	0.158%
38	8.439	1078	1080	1083	rBV4	278465	223498	4.86%	0.198%
39	8.481	1083	1087	1089	rBV	995649	912006	19.85%	0.808%
40	8.516	1089	1093	1095	rBV	2648528	2491727	54.23%	2.209%
41	8.604	1105	1108	1110	rBV3	985001	925801	20.15%	0.821%
42	8.634	1110	1113	1116	rVV3	844315	1027868	22.37%	0.911%
43	8.692	1120	1123	1125	rVV3	768107	1016011	22.11%	0.901%
44	8.728	1125	1129	1131	rVV4	851843	1417960	30.86%	1.257%
45	8.781	1135	1138	1142	rVB3	1328114	1649133	35.89%	1.462%
46	8.816	1142	1144	1146	rBV2	390158	357402	7.78%	0.317%
47	8.845	1146	1149	1151	rVV3	569819	500393	10.89%	0.444%
48	8.881	1151	1155	1156	rVV3	463154	670453	14.59%	0.594%
49	8.898	1156	1158	1159	rVV3	630387	548545	11.94%	0.486%
50	8.916	1159	1161	1164	rVV2	1767794	1902037	41.39%	1.686%
51	8.975	1168	1171	1173	rVV4	443443	528524	11.50%	0.468%
52	9.004	1173	1176	1179	rVV3	896646	883406	19.23%	0.783%
53	9.045	1180	1183	1185	rVV	542929	603187	13.13%	0.535%
54	9.092	1188	1191	1192	rVV3	548040	545665	11.88%	0.484%
55	9.116	1192	1195	1201	rVV	2832579	3086652	67.18%	2.736%
56	9.181	1202	1206	1210	rVB	2359656	2690531	58.55%	2.385%
57	9.257	1215	1219	1223	rBV4	1279904	1637437	35.64%	1.451%
58	9.292	1223	1225	1227	rBV2	549323	515867	11.23%	0.457%
59	9.328	1229	1231	1233	rVB2	939239	744459	16.20%	0.660%
60	9.375	1237	1239	1245	rVB	832695	1052847	22.91%	0.933%
61	9.451	1247	1252	1256	rBV	1808455	2863173	62.31%	2.538%
62	9.528	1260	1265	1267	rBV	1919145	2716393	59.12%	2.408%
63	9.551	1267	1269	1270	rVV	1372347	1099801	23.94%	0.975%
64	9.575	1270	1273	1275	rVB3	2949537	3017978	65.68%	2.675%
65	9.604	1275	1278	1280	rVB2	365412	296603	6.46%	0.263%
66	9.639	1281	1284	1285	rBV	860225	665229	14.48%	0.590%
67	9.698	1292	1294	1295	rBV	300348	216424	4.71%	0.192%
68	9.722	1295	1298	1301	rVV2	1463826	1363075	29.66%	1.208%
69	9.763	1303	1305	1309	rVB2	839942	809864	17.63%	0.718%
70	9.839	1316	1318	1320	rBV2	453299	433136	9.43%	0.384%
71	9.863	1320	1322	1324	rVB2	779661	578414	12.59%	0.513%

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72	9.963	1336	1339	1343	rBV	1204112	1738835	37.84%	1.541%
73	10.045	1350	1353	1354	rBV2	655257	747375	16.27%	0.662%
74	10.063	1354	1356	1360	rVB	1320024	1276287	27.78%	1.131%
75	10.104	1360	1363	1366	rBV2	1789983	1648145	35.87%	1.461%
76	10.181	1373	1376	1379	rBV	1036223	1139064	24.79%	1.010%
77	10.210	1379	1381	1386	rVB2	1234387	1452079	31.60%	1.287%
78	10.269	1387	1391	1393	rBV2	1041039	1483956	32.30%	1.315%
79	10.504	1427	1431	1436	rVB2	2308475	3133161	68.19%	2.777%
80	10.551	1437	1439	1446	rVB5	522764	861106	18.74%	0.763%
81	10.663	1454	1458	1460	rBV3	1133517	1290632	28.09%	1.144%
82	10.686	1460	1462	1466	rVB3	620240	528822	11.51%	0.469%
83	10.769	1472	1476	1483	rVB2	3459282	4594930	100.00%	4.073%
84	11.075	1526	1528	1529	rBV2	341686	285482	6.21%	0.253%
85	11.228	1551	1554	1561	rVB2	1946740	2562507	55.77%	2.271%
86	11.351	1573	1575	1578	rVV	771252	658226	14.33%	0.583%
87	11.375	1578	1579	1582	rVB	566389	449039	9.77%	0.398%
88	11.575	1611	1613	1617	rBV2	671627	656543	14.29%	0.582%
89	11.851	1658	1660	1664	rBV2	333250	456606	9.94%	0.405%
90	12.404	1751	1754	1762	rVB2	303734	494082	10.75%	0.438%
91	12.522	1772	1774	1778	rVB3	224699	206007	4.48%	0.183%
92	12.569	1778	1782	1784	rVV	696677	671480	14.61%	0.595%
93	12.592	1784	1786	1790	rVB	401991	376270	8.19%	0.334%
94	12.798	1815	1821	1826	rVB	665993	802552	17.47%	0.711%
95	12.933	1840	1844	1847	rVB	2294931	2176707	47.37%	1.929%
96	13.810	1990	1993	1998	rBV2	445838	491200	10.69%	0.435%
97	13.998	2020	2025	2027	rBV2	1043795	1193647	25.98%	1.058%
98	14.021	2027	2029	2033	rVB	284856	243272	5.29%	0.216%
99	15.039	2199	2202	2205	rBV	188191	269698	5.87%	0.239%
100	15.468	2272	2275	2279	rVB	549916	666730	14.51%	0.591%

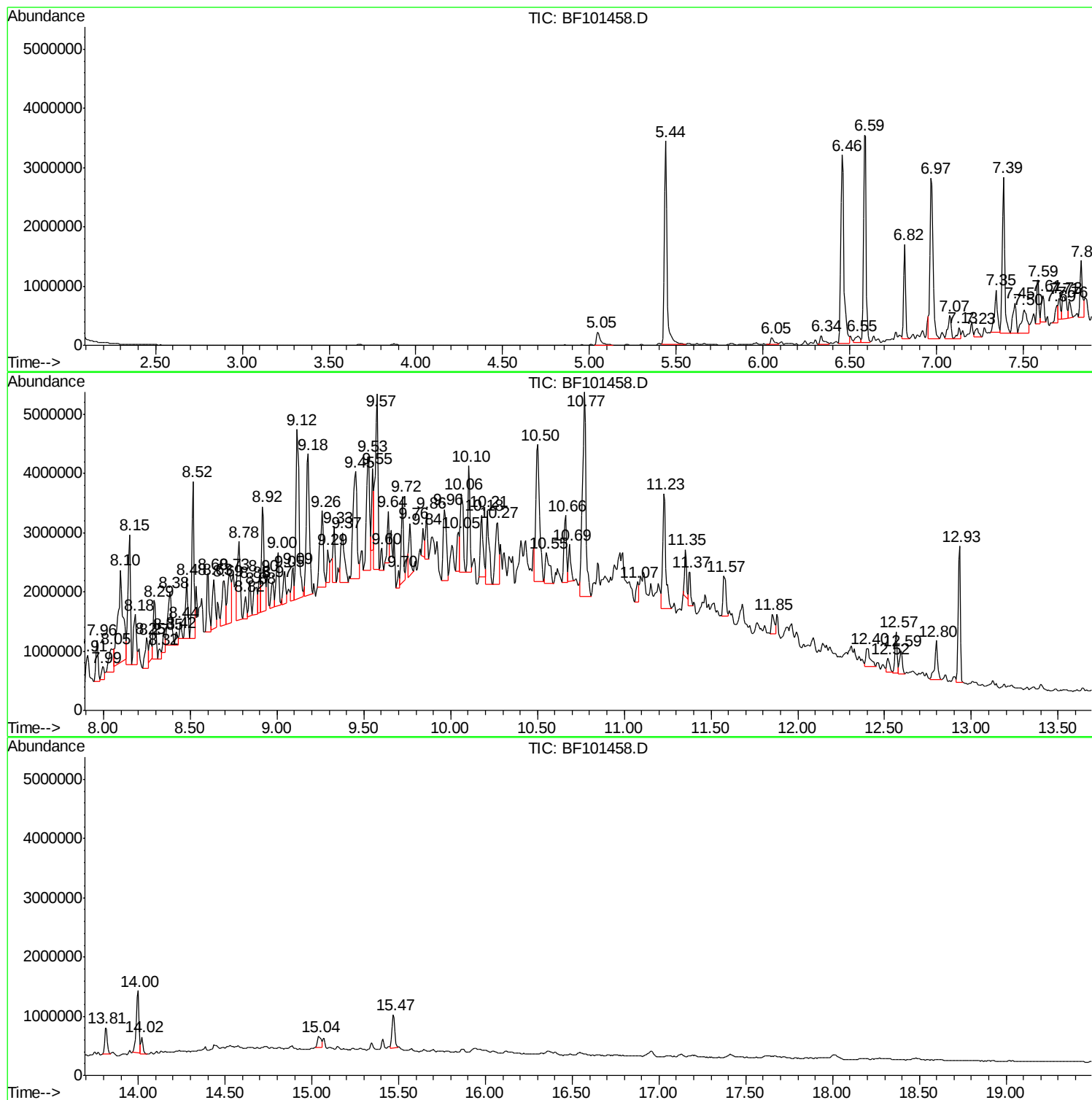
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Instrument :
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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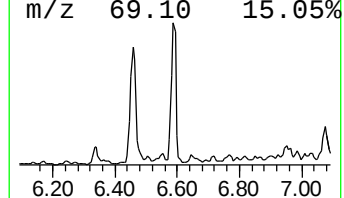
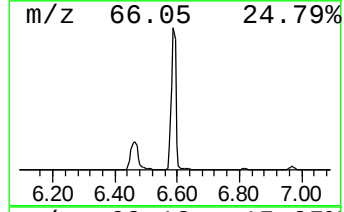
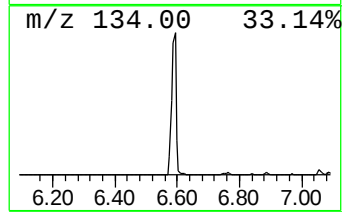
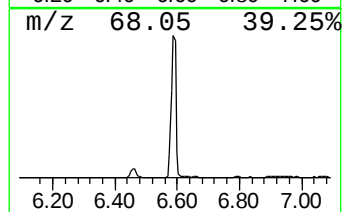
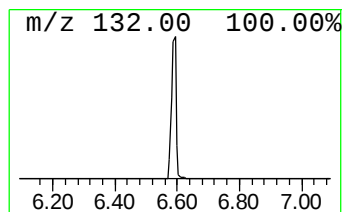
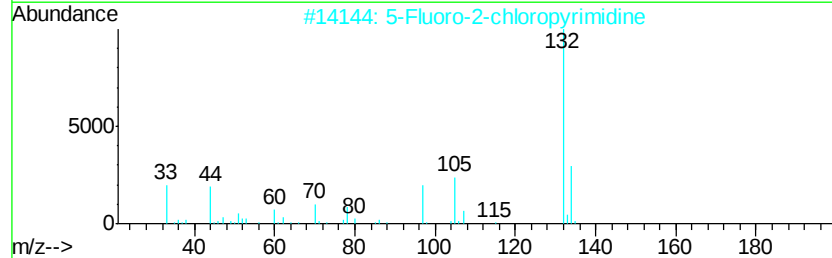
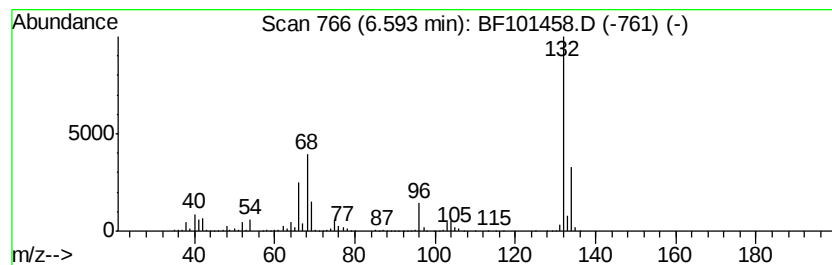
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	56.25 ng	3770710	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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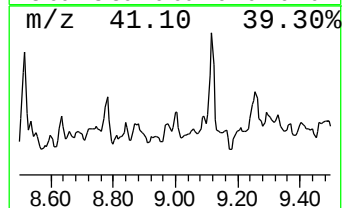
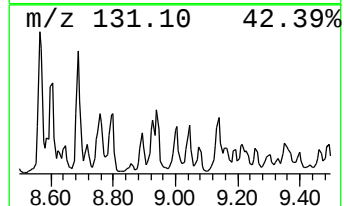
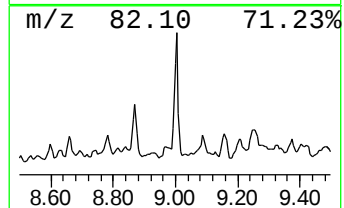
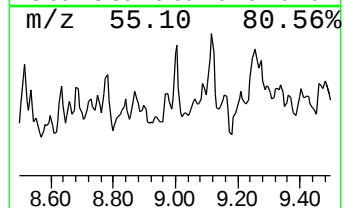
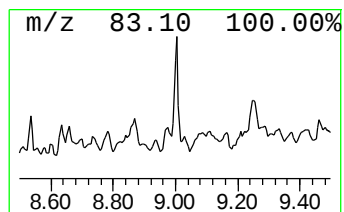
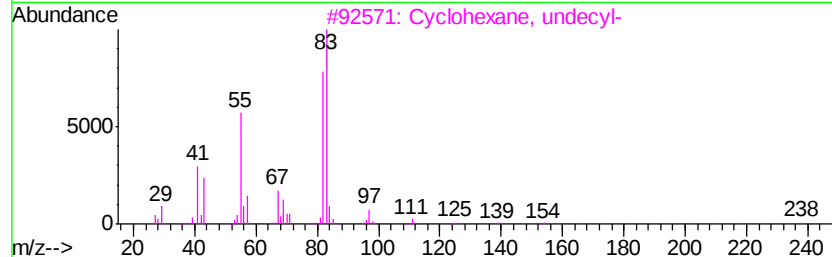
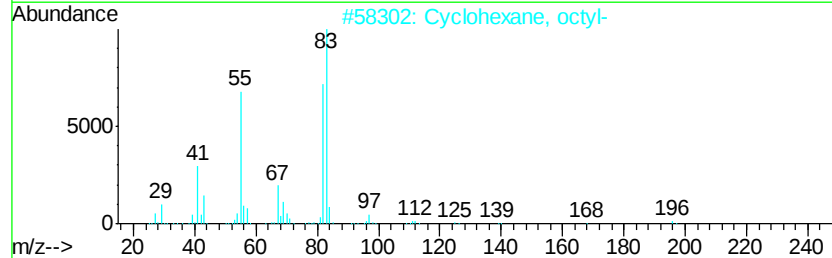
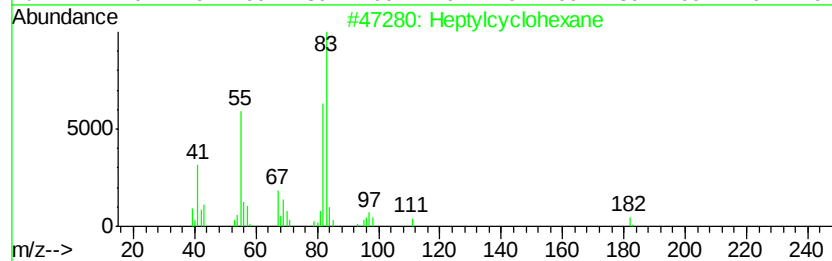
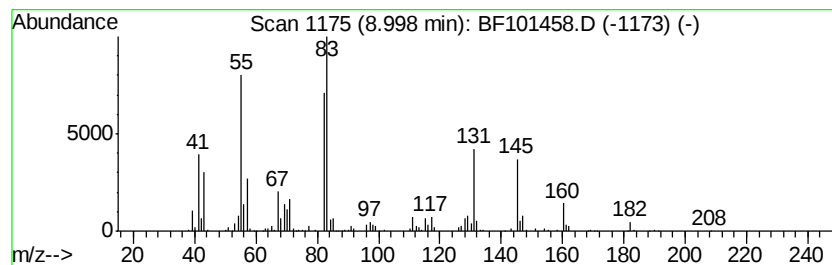
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Heptylcyclohexane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	30.55 ng	883406	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Heptylcyclohexane	182 C13H26	005617-41-4 50
2		Cyclohexane, octyl-	196 C14H28	001795-15-9 49
3		Cyclohexane, undecyl-	238 C17H34	054105-66-7 49
4		3-Cyclohexyl-1-chloropropane	160 C9H17Cl	001124-62-5 49
5		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 47



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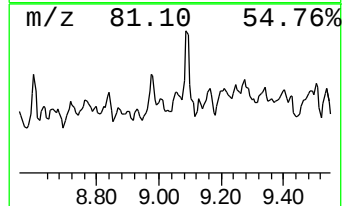
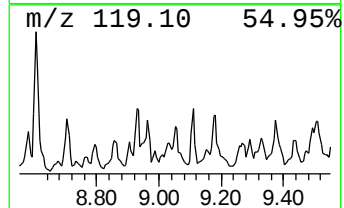
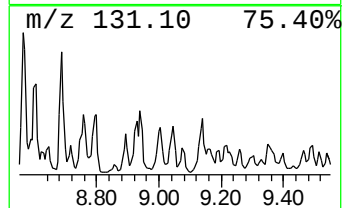
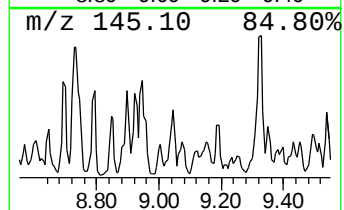
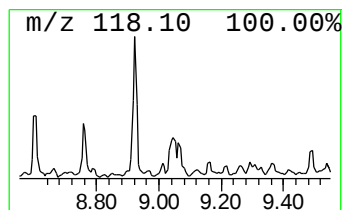
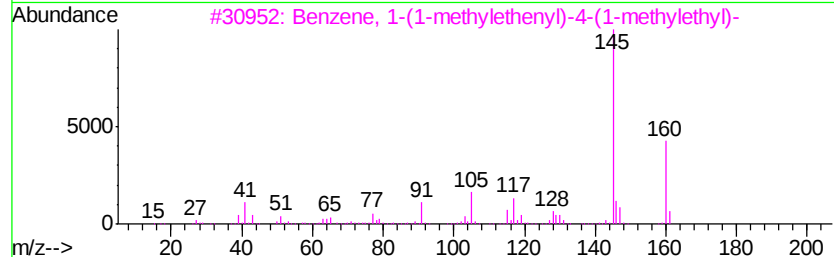
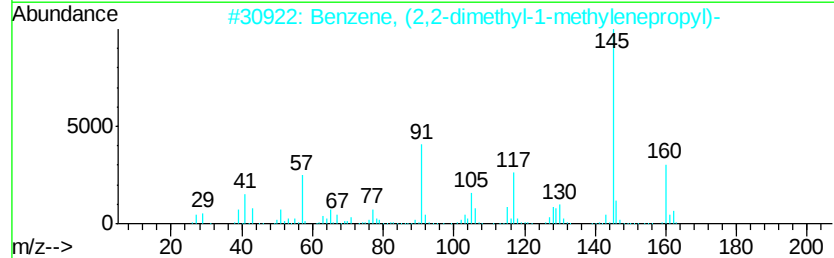
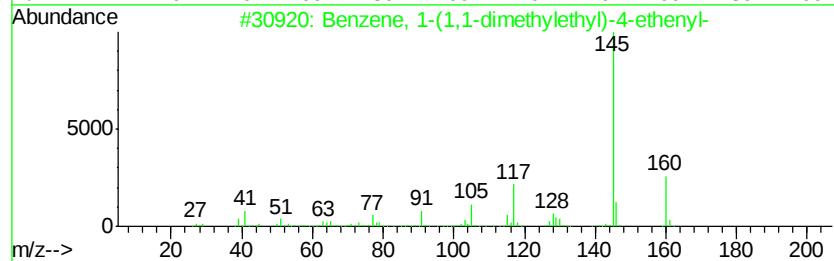
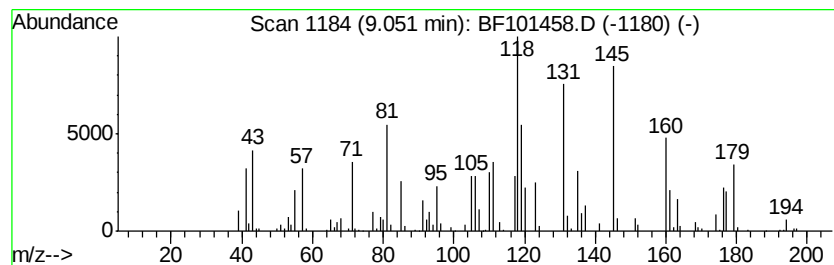
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown9.05 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	20.86 ng	603187	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	49
2		Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	49
3		Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	46
4		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	46
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-03A-2

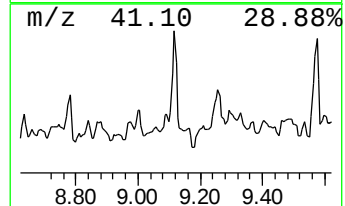
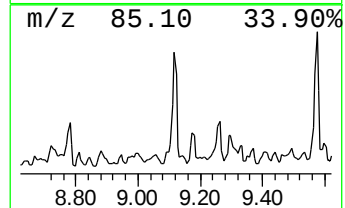
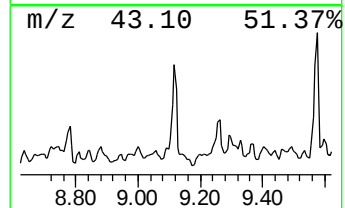
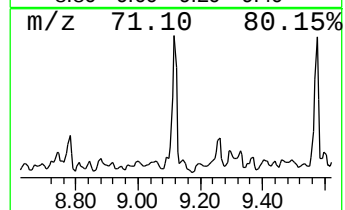
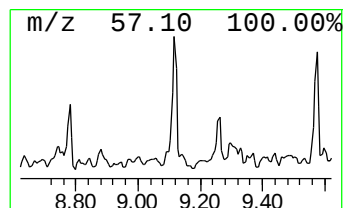
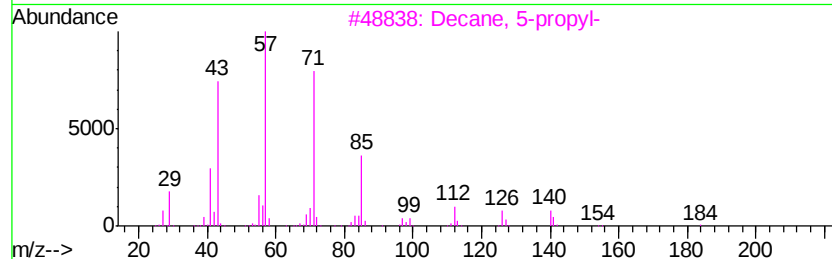
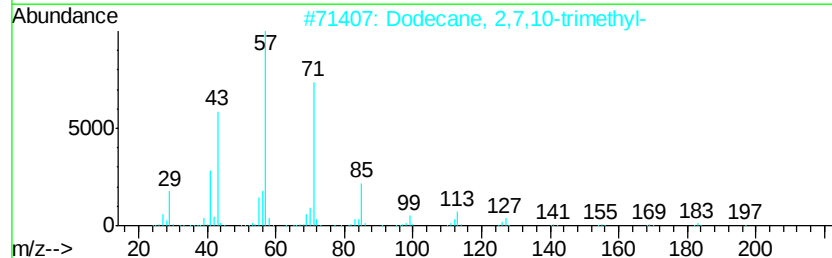
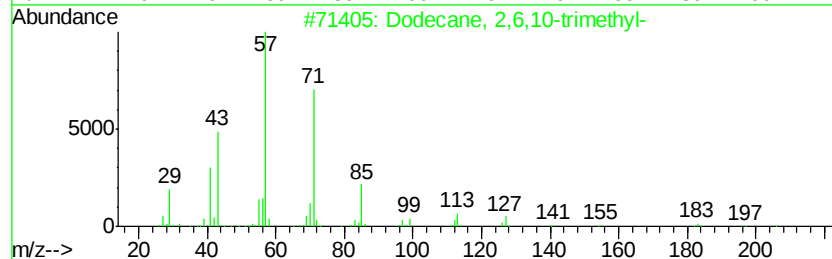
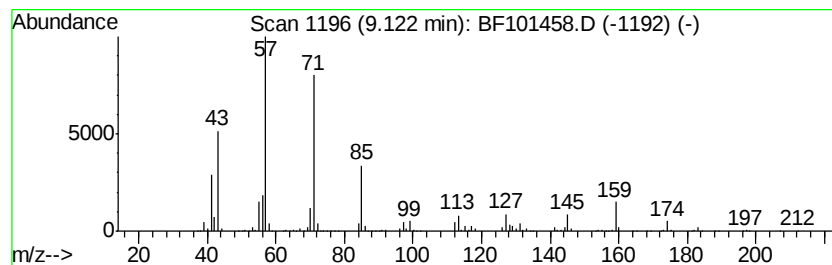
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	106.73 ng	3086650	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3		Decane, 5-propyl-	184	C13H28	017312-62-8	74
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-03A-2

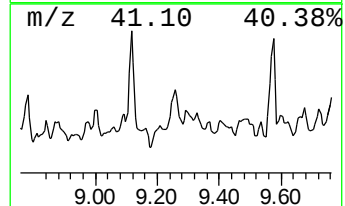
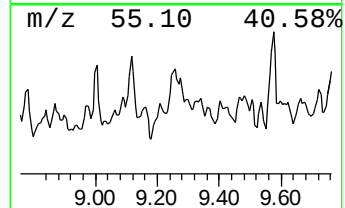
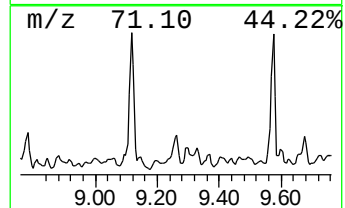
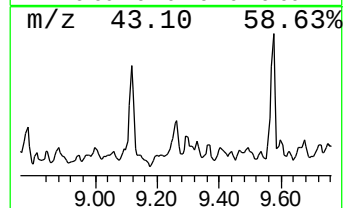
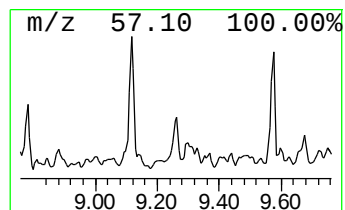
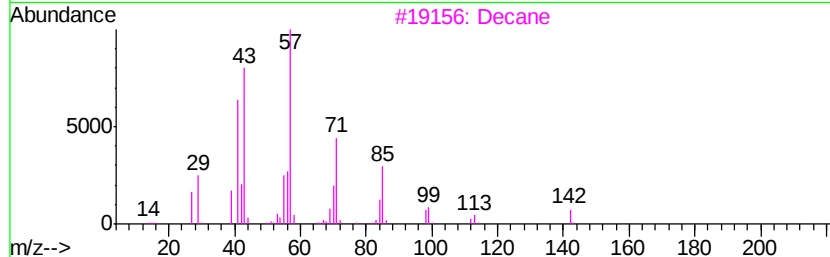
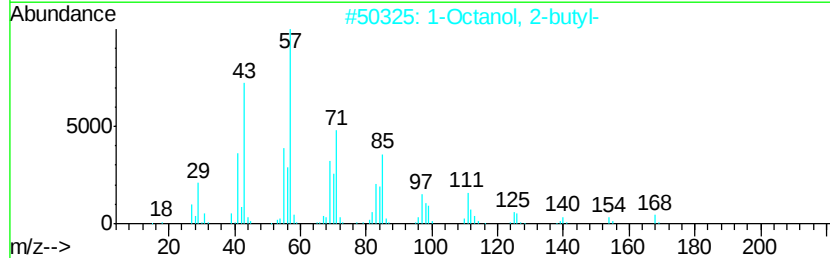
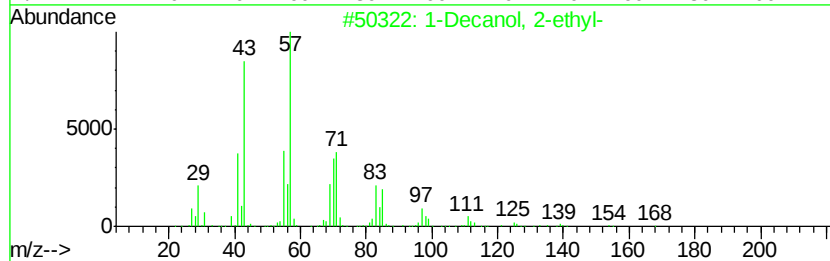
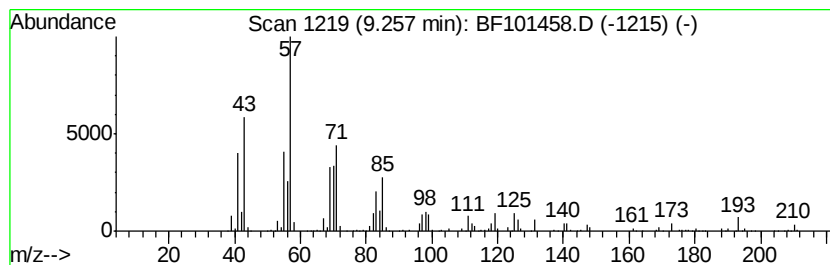
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Decanol, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	56.62 ng	1637440	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	80
2		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
3		Decane	142	C10H22	000124-18-5	59
4		2-Undecene, 4,5-dimethyl-, [R*,S...]	182	C13H26	055170-93-9	49
5		Dodecane, 3-methyl-	184	C13H28	017312-57-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
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ClientSampleId :
TP-03A-2

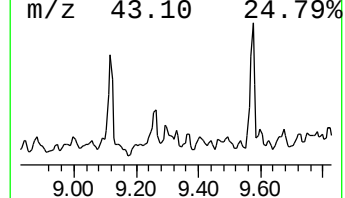
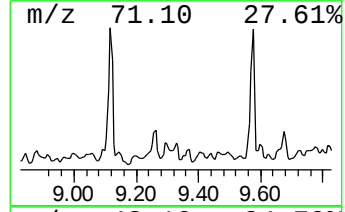
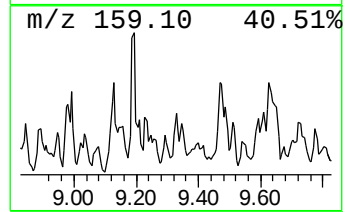
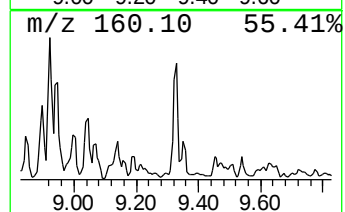
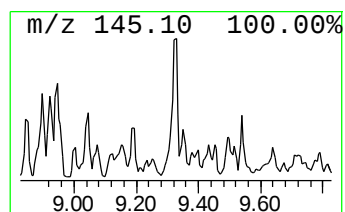
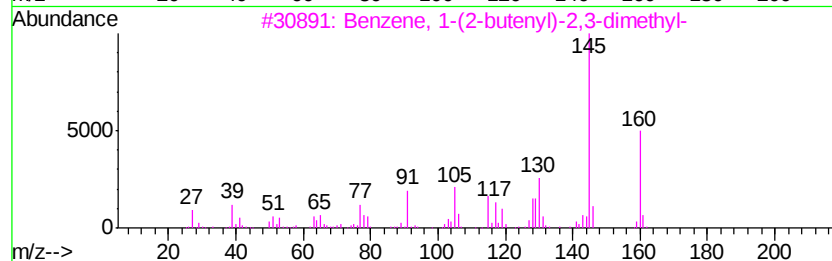
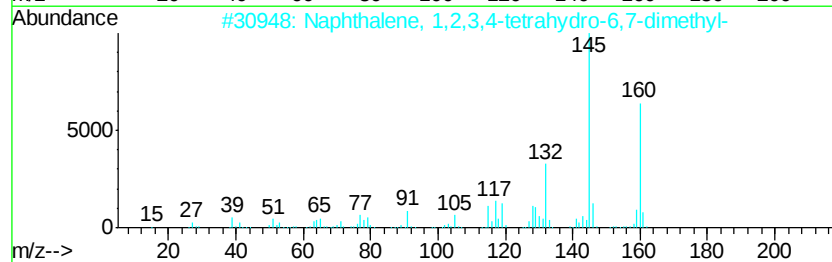
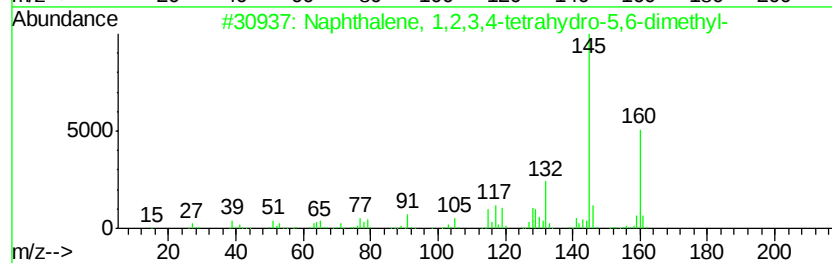
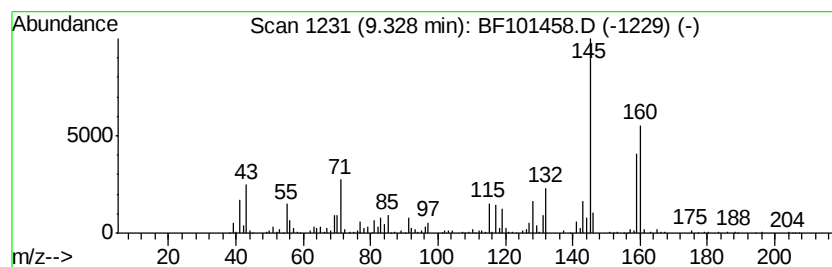
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	25.74 ng	744459	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	72
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	72
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	62
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

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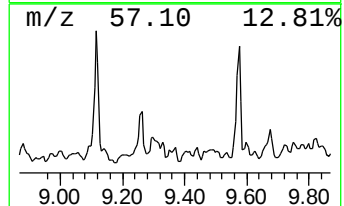
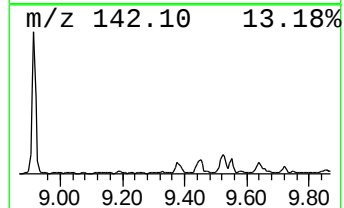
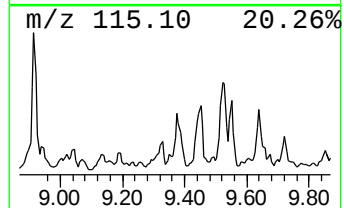
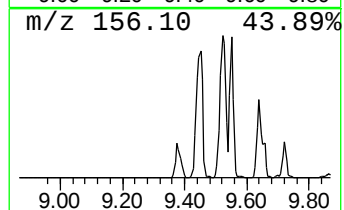
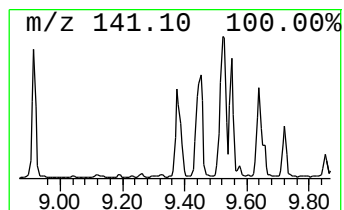
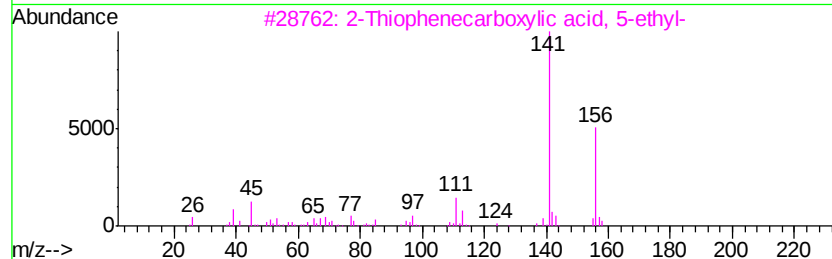
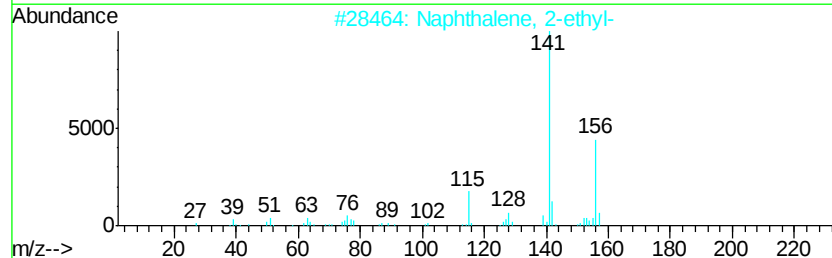
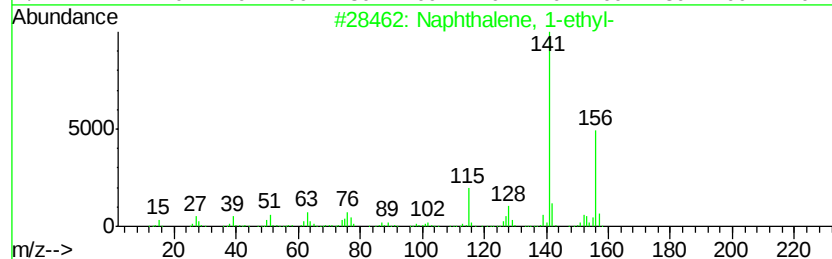
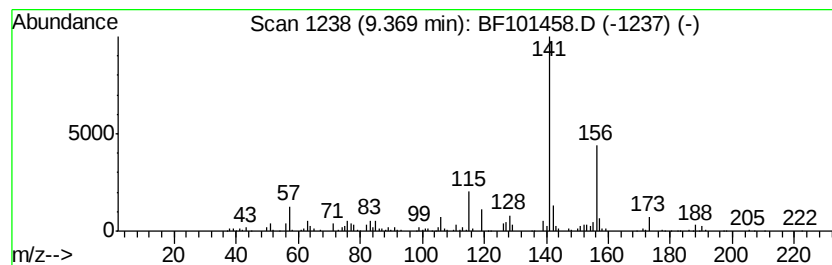
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	36.40 ng	1052850	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4		3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	58
5		Naphthalene, 1-propyl-	170	C13H14	002765-18-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-03A-2

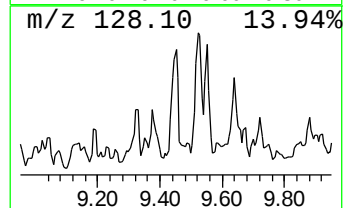
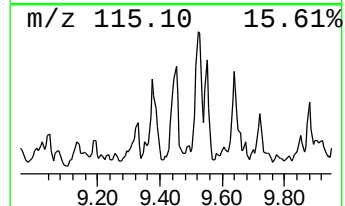
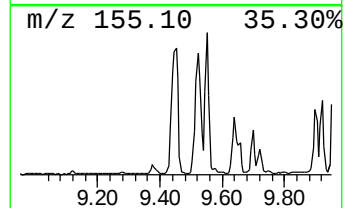
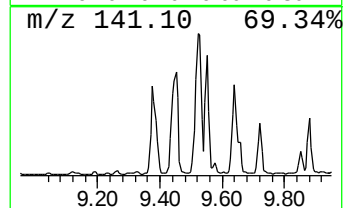
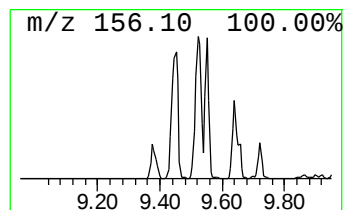
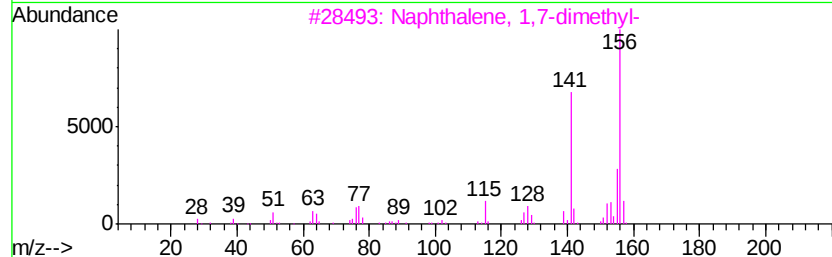
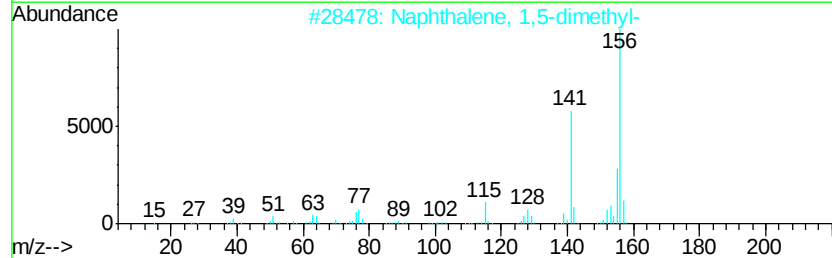
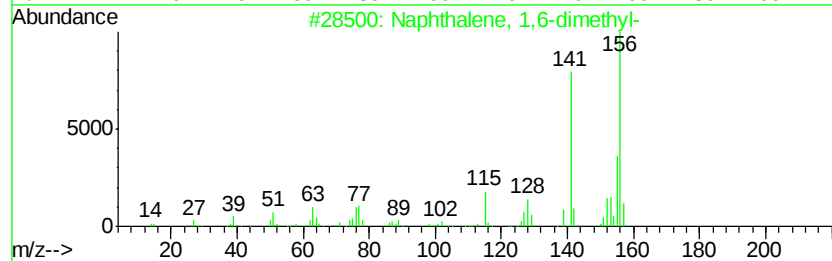
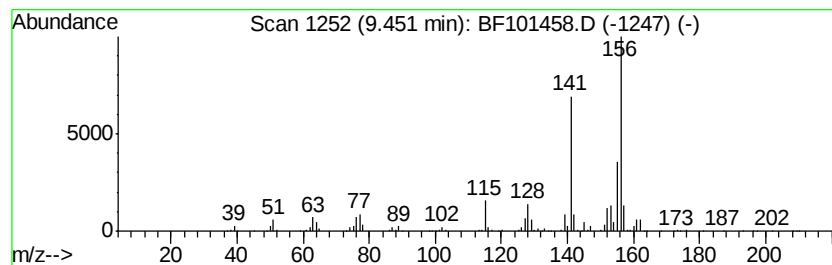
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	99.00 ng	2863170	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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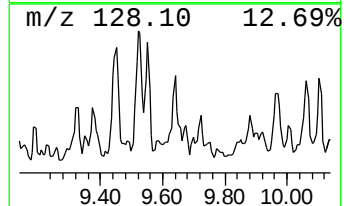
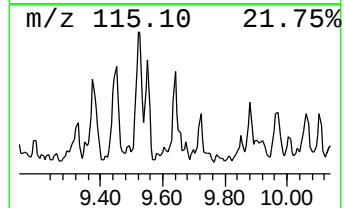
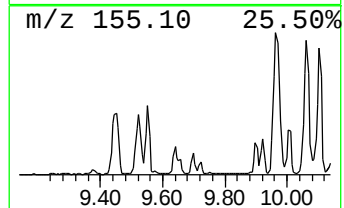
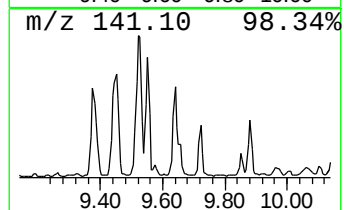
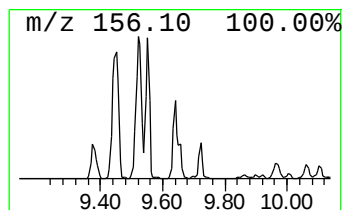
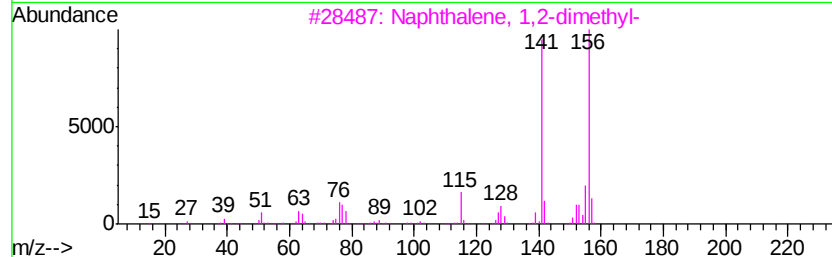
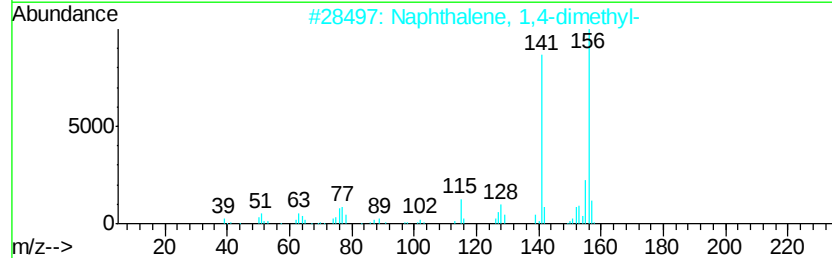
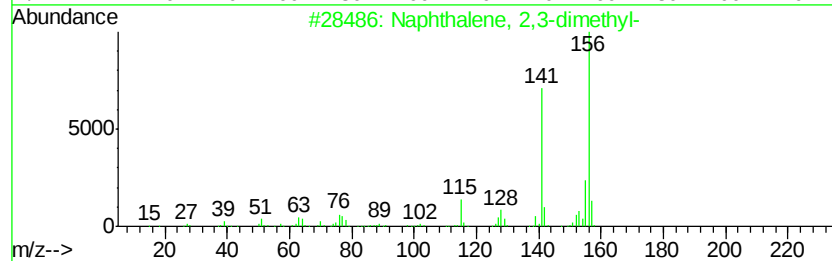
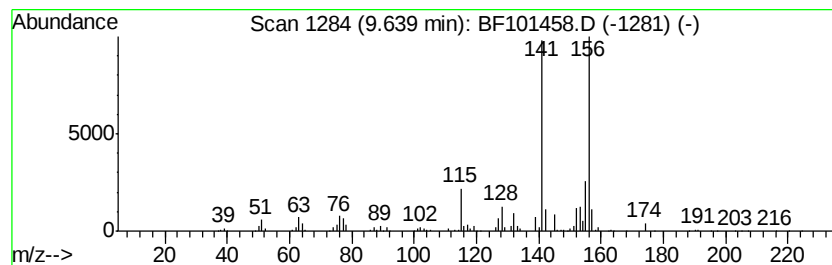
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	23.00 ng	665229	Acenaphthene-d10	9.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
3			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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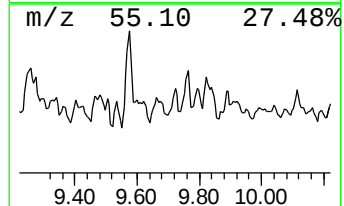
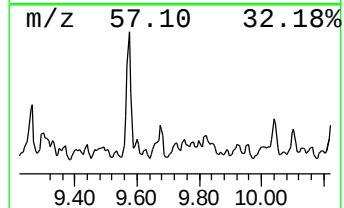
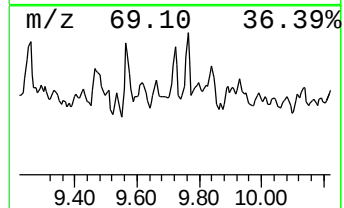
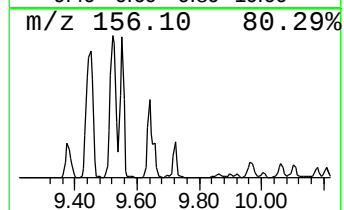
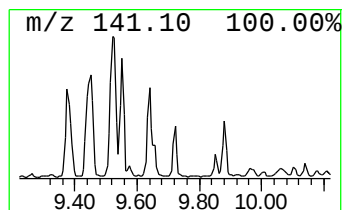
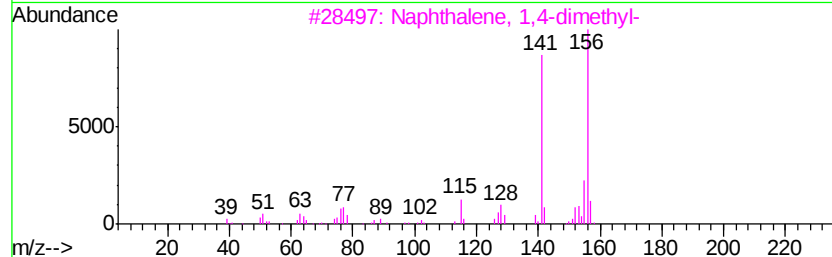
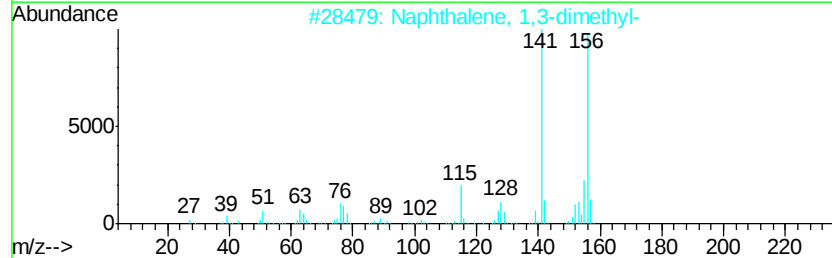
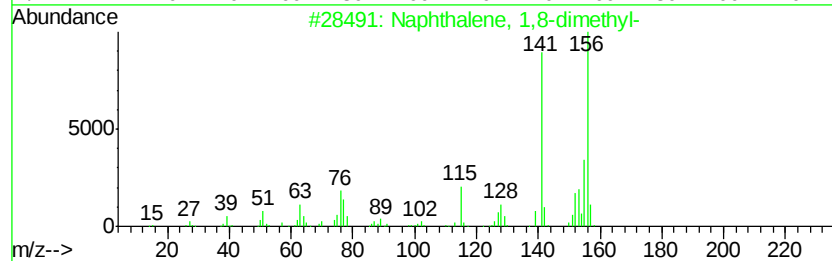
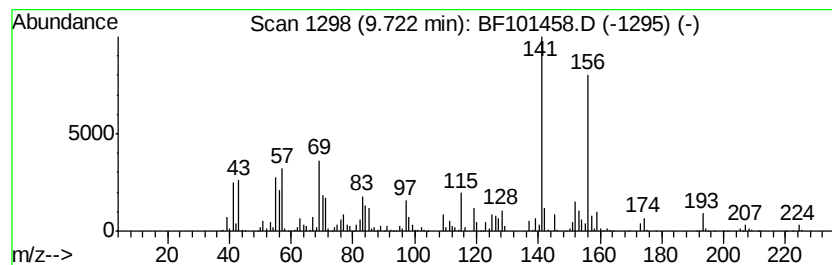
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,8-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	47.13 ng	1363080	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	90
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	87
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

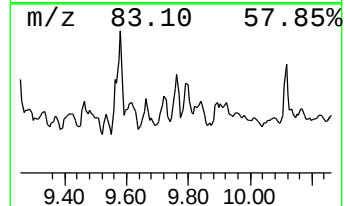
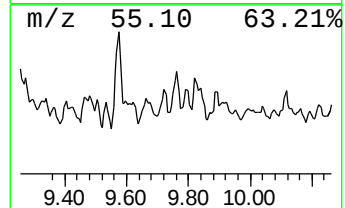
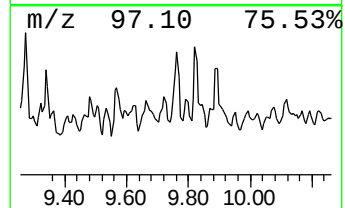
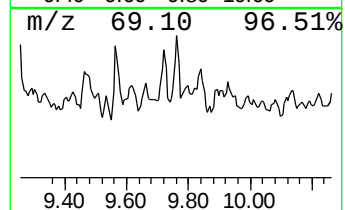
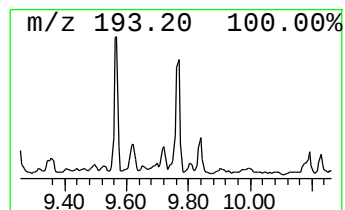
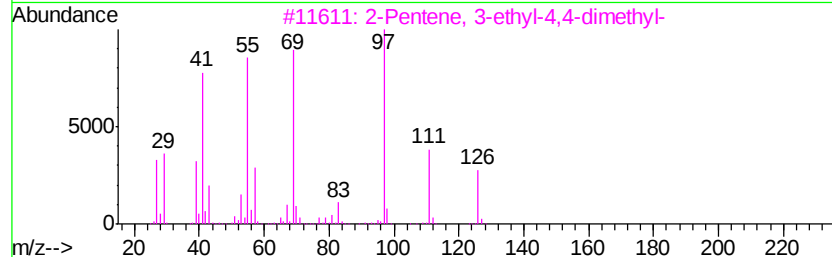
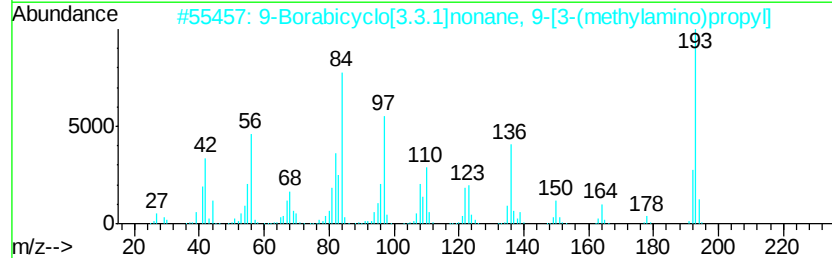
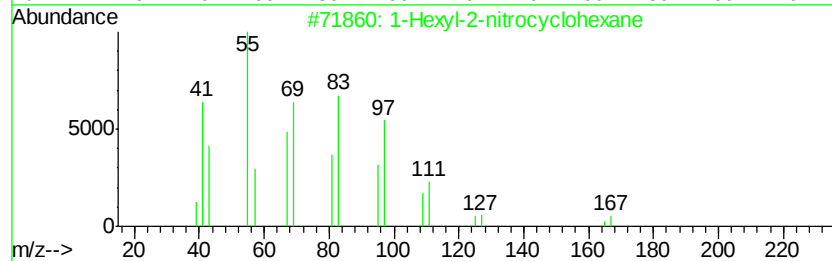
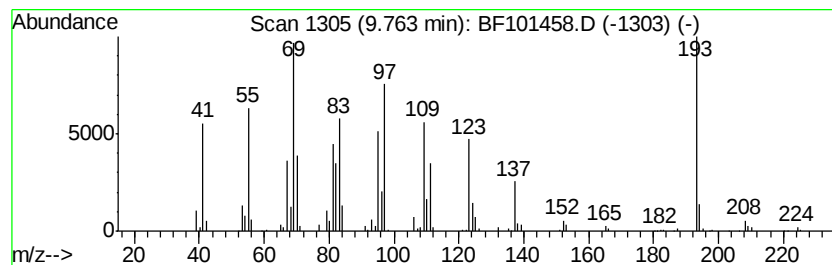
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.76 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	28.00 ng	809864	Acenaphthene-d10	9.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexyl-2-nitrocyclohexane	213	C12H23NO2	118252-04-3	43
2			9-Borabicyclo[3.3.1]nonane, 9-[3...	193	C12H24BN	1000162-56-0	38
3			2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27
4			1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	22
5			Silane, chlorodiethylhexyloxy-	222	C10H23ClOSi	1000363-74-4	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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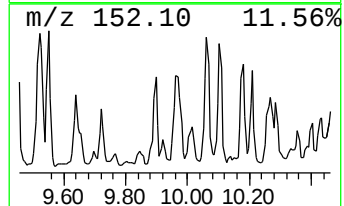
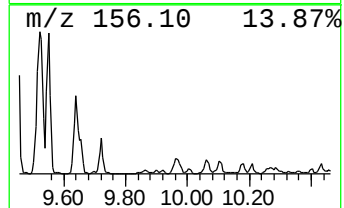
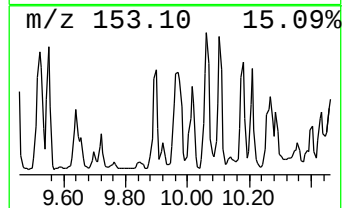
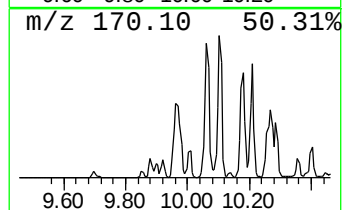
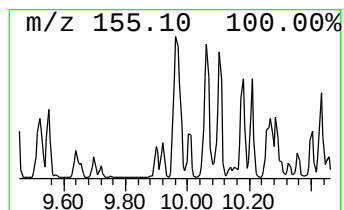
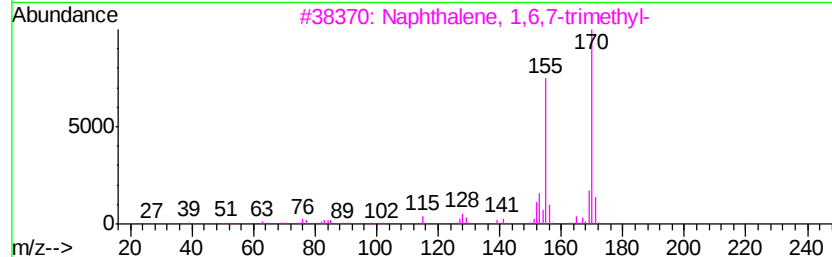
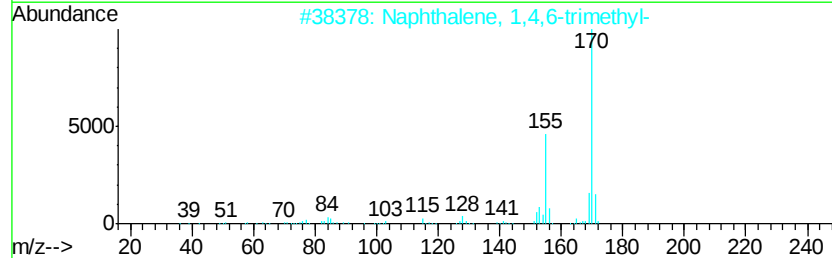
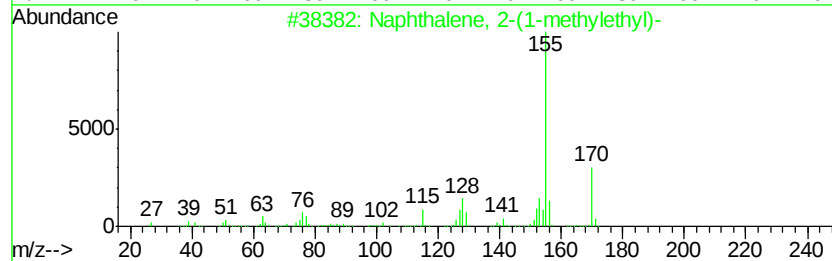
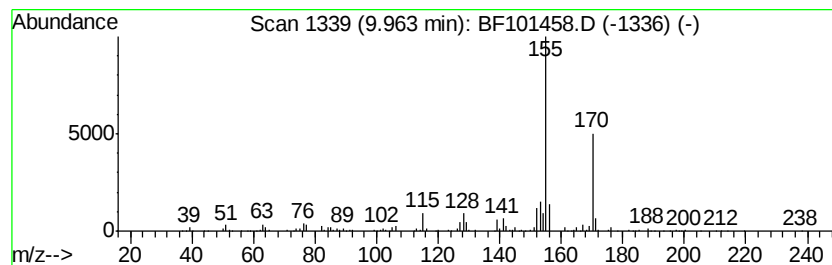
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	60.12 ng	1738840	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

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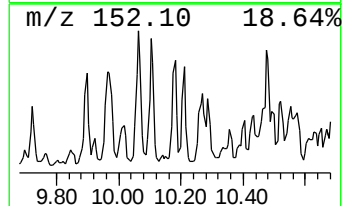
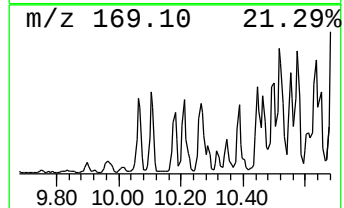
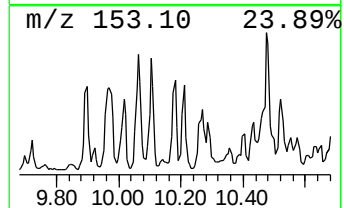
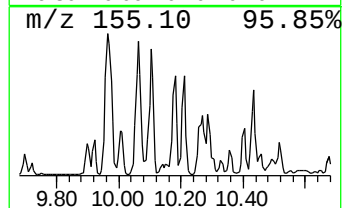
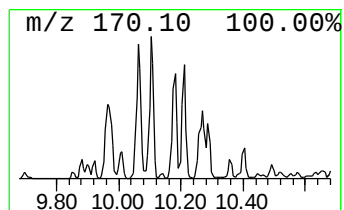
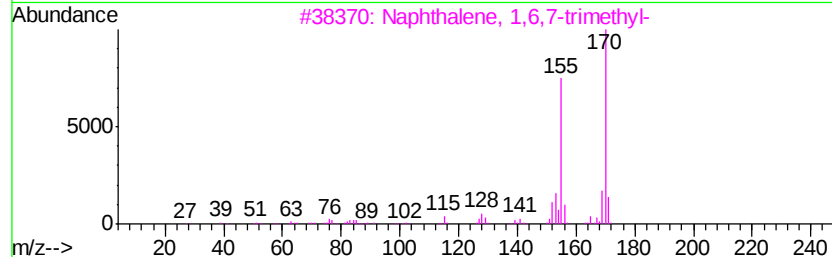
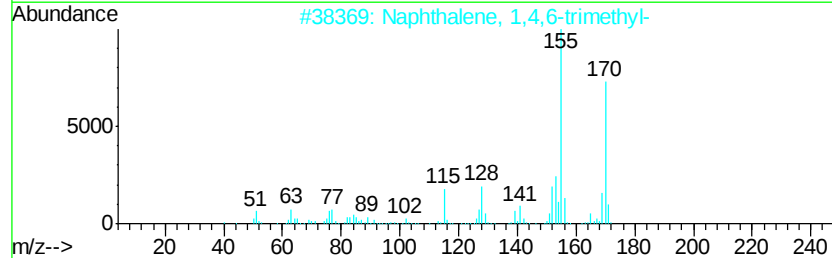
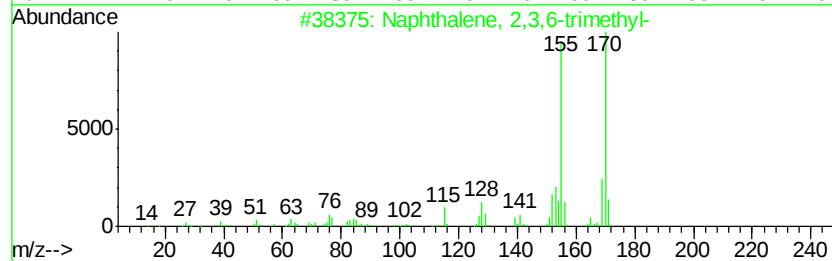
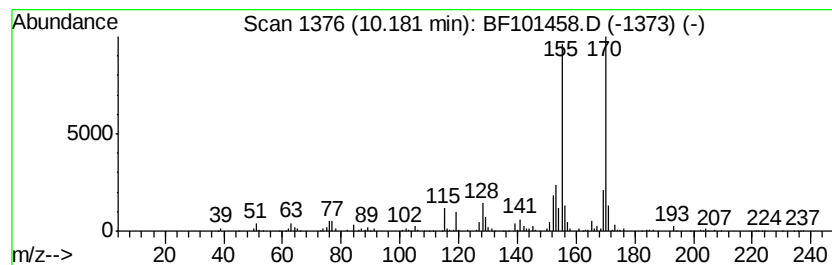
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	39.39 ng	1139060	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

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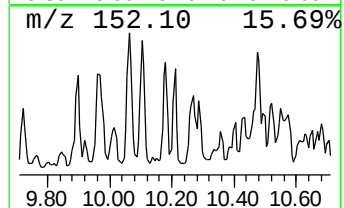
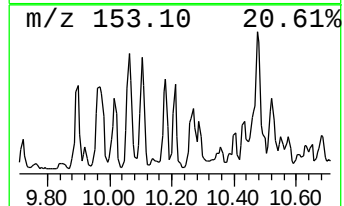
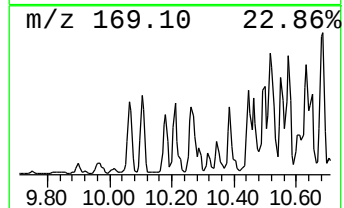
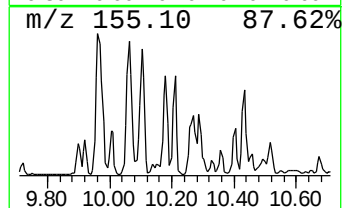
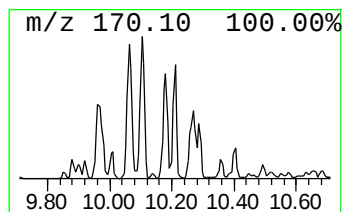
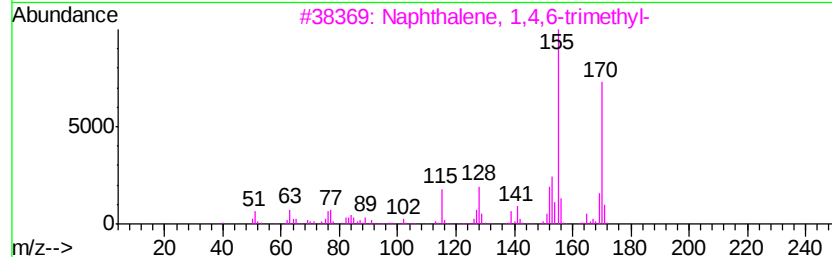
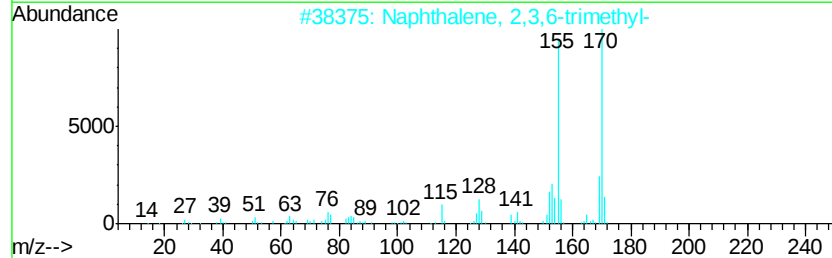
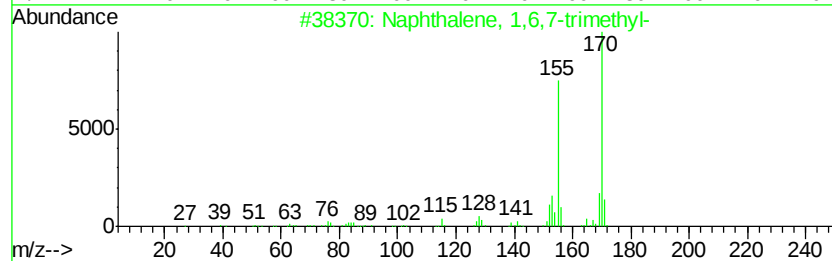
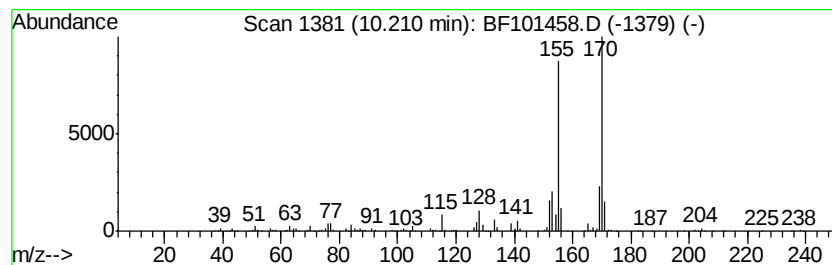
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	50.21 ng	1452080	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

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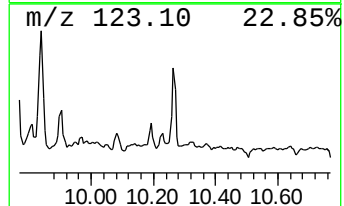
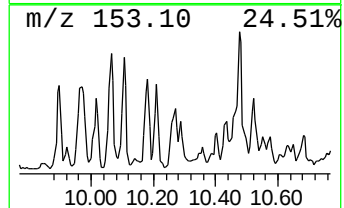
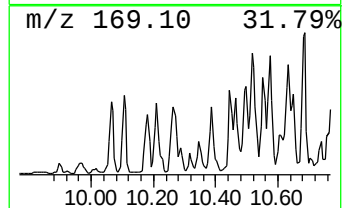
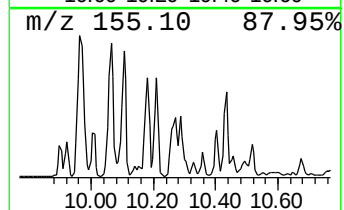
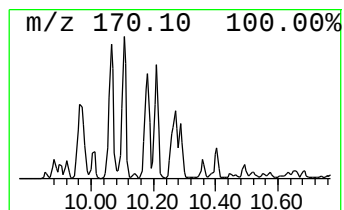
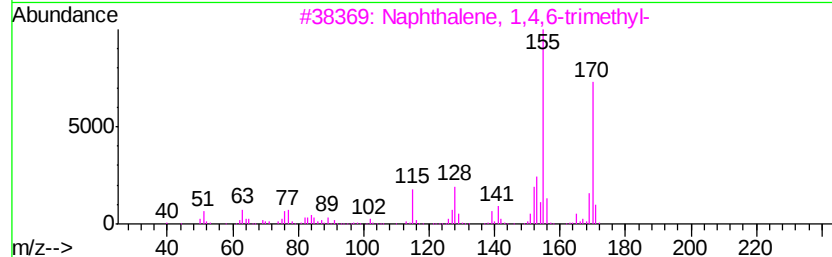
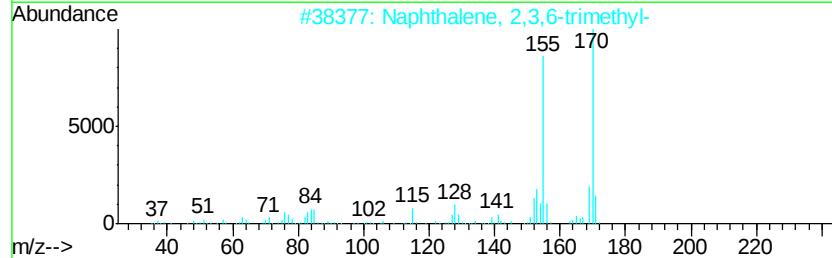
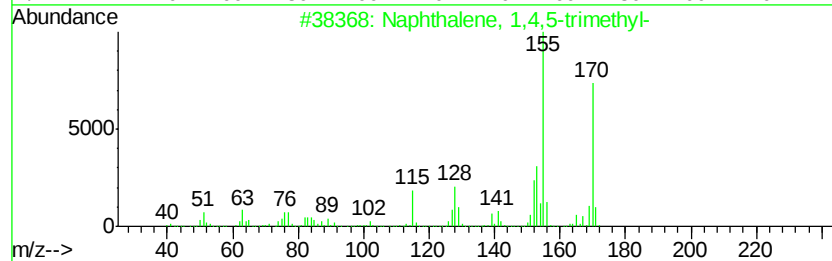
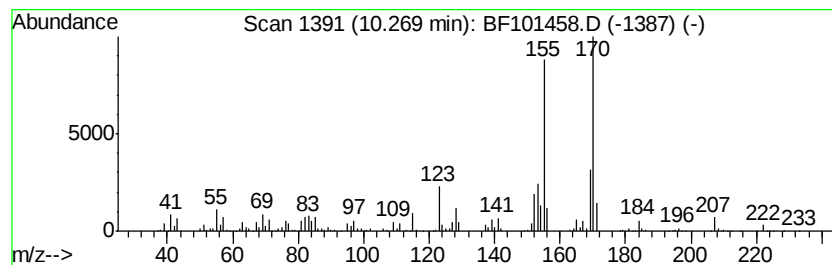
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,4,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	51.31 ng	1483960	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
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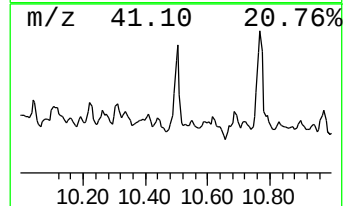
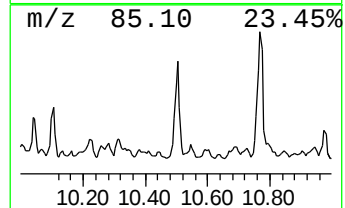
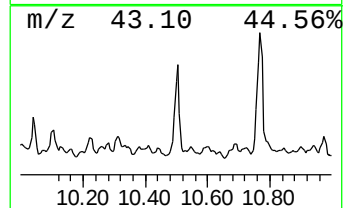
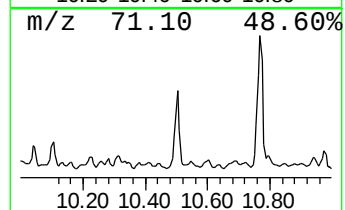
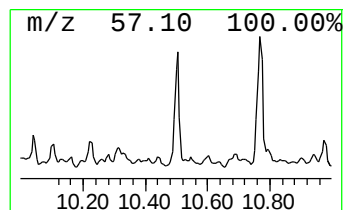
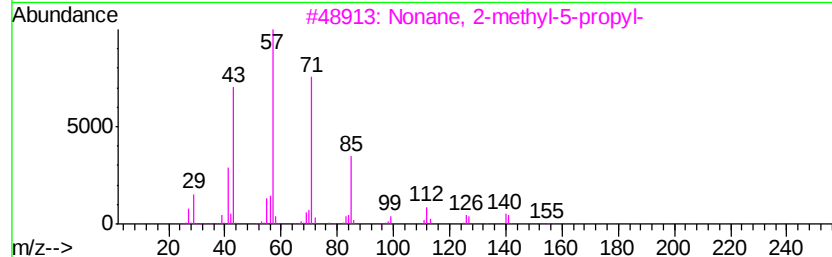
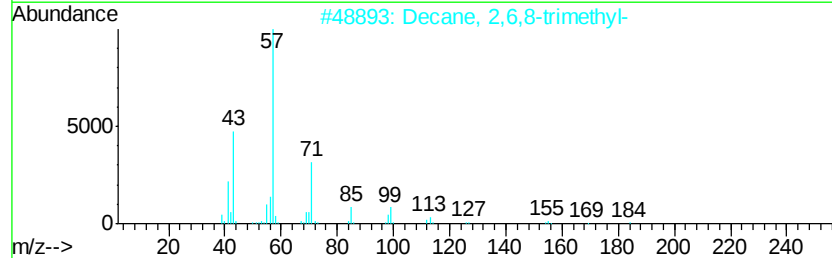
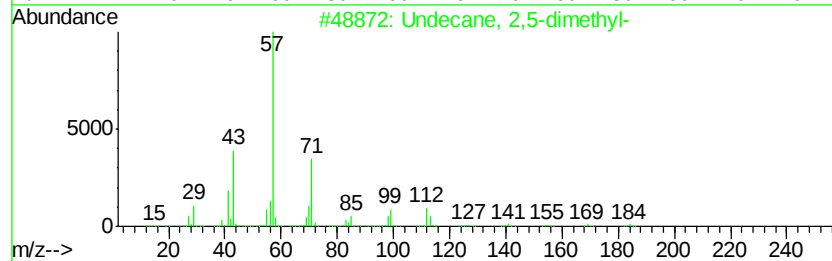
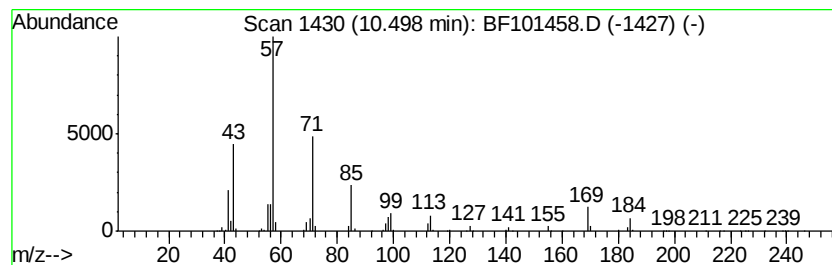
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Undecane, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	108.34 ng	3133160	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
2		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	68
3		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
TP-03A-2

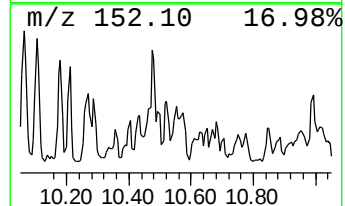
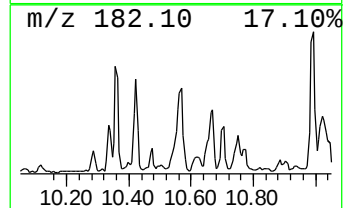
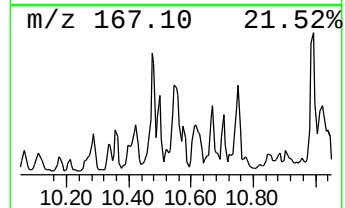
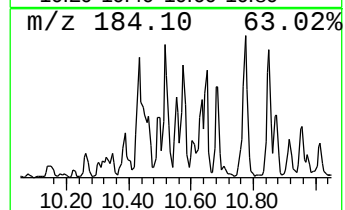
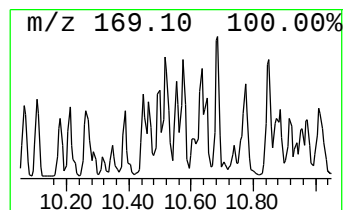
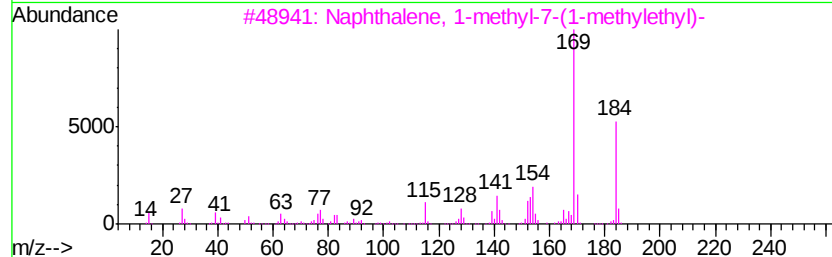
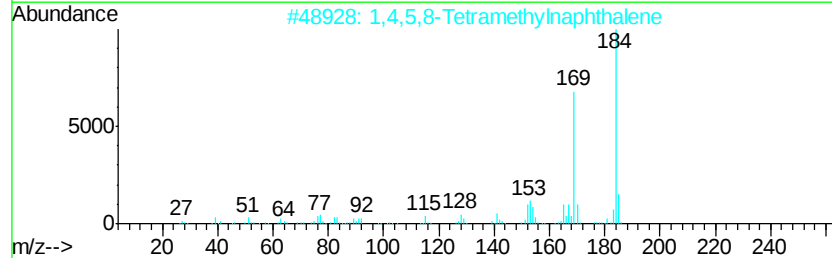
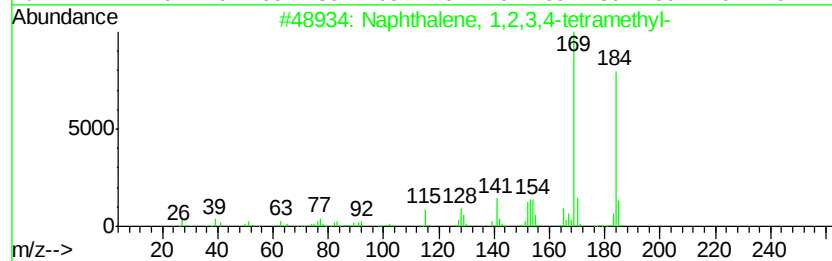
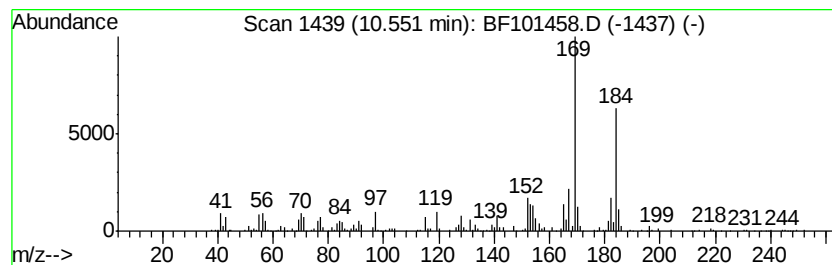
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 1,2,3,4-tetram... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	29.77 ng	861106	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	91
2		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	90
3		Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	87
4		Chamazulene	184	C14H16	000529-05-5	74
5		2,4,6(1H,3H,5H)-Pyrimidinetrione...	226	C11H18N2O3	069855-52-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

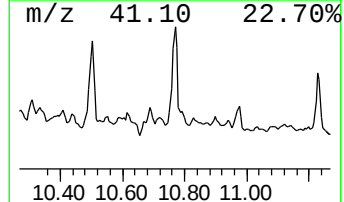
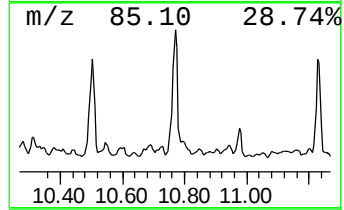
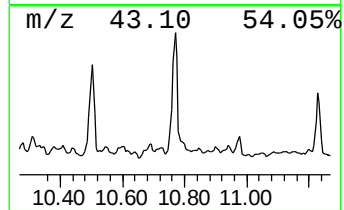
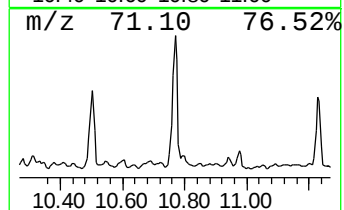
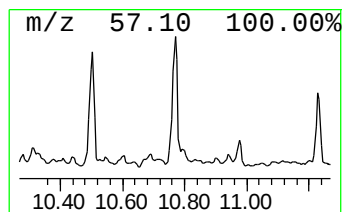
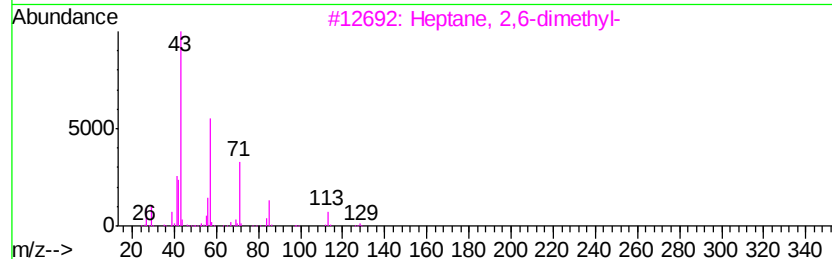
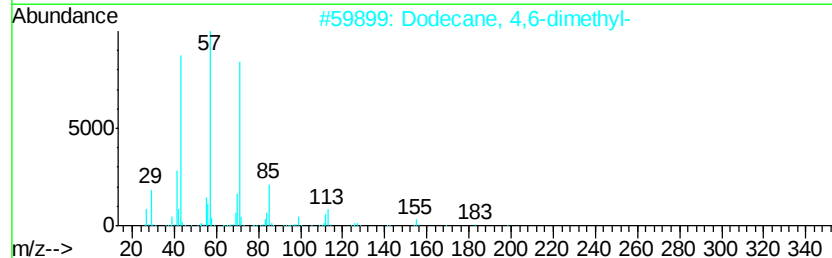
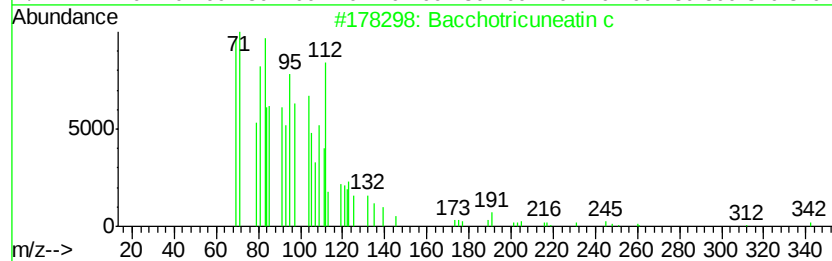
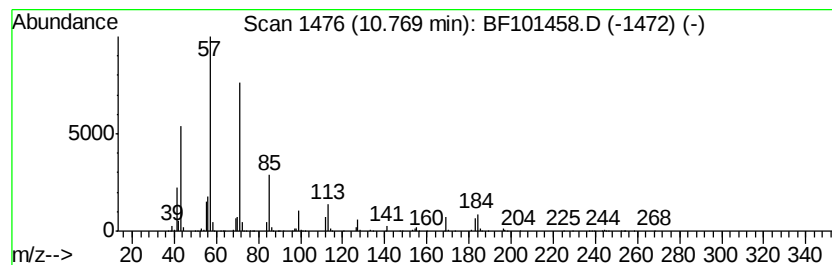
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Bacchotricuneatin c Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	139.62 ng	4594930	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
3		Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	74
4		Tridecane	184	C13H28	000629-50-5	64
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
Acq On : 15 Dec 2017 22:08
Operator : SJ/JU
Sample : I6875-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

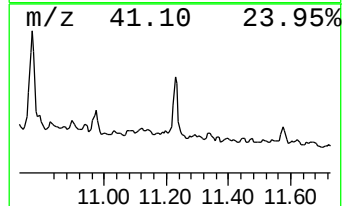
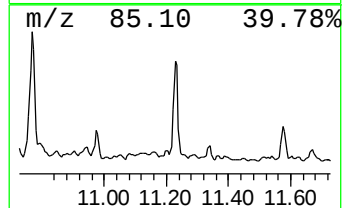
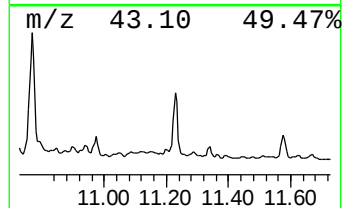
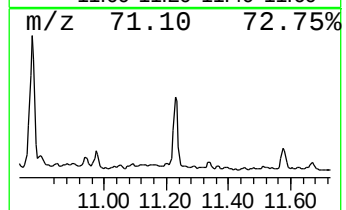
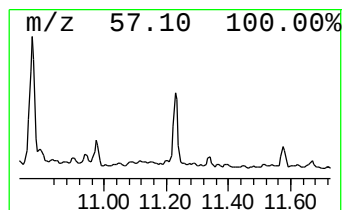
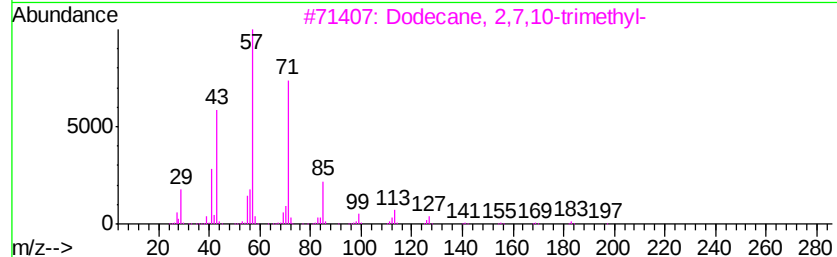
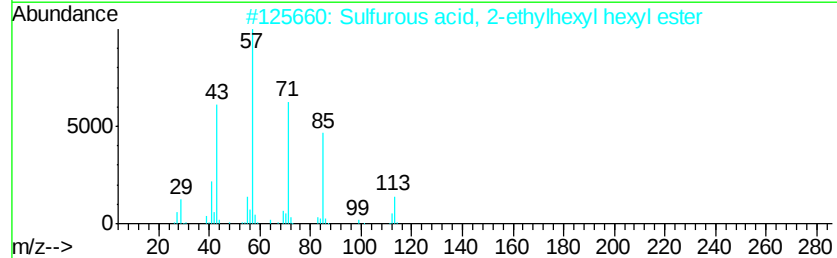
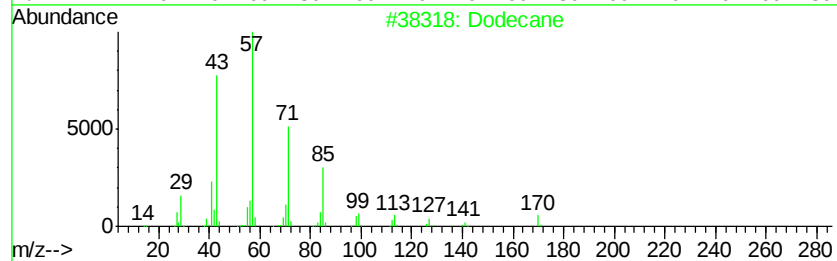
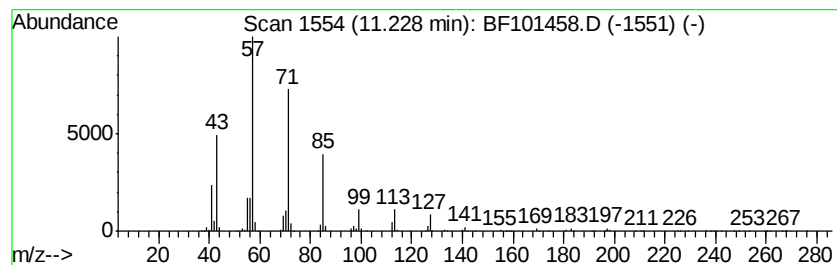
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	77.86 ng	2562510	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	87
2		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5		Tridecane, 7-methyl-	198	C14H30	026730-14-3	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101458.D
 Acq On : 15 Dec 2017 22:08
 Operator : SJ/JU
 Sample : I6875-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-03A-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.59	6.59	56.3	ng	3770710	1	6.82	1340650	20.0
Heptylcyclohexane	9.00	30.6	ng	883406	3	9.86	578414	20.0
unknown9.05	9.05	20.9	ng	603187	3	9.86	578414	20.0
Dodecane, 2,6,10-...	9.12	106.7	ng	3086650	3	9.86	578414	20.0
1-Decanol, 2-ethyl-	9.26	56.6	ng	1637440	3	9.86	578414	20.0
Naphthalene, 1,2,...	9.33	25.7	ng	744459	3	9.86	578414	20.0
Naphthalene, 1-et...	9.37	36.4	ng	1052850	3	9.86	578414	20.0
Naphthalene, 1,6-...	9.45	99.0	ng	2863170	3	9.86	578414	20.0
Naphthalene, 2,3-...	9.64	23.0	ng	665229	3	9.86	578414	20.0
Naphthalene, 1,8-...	9.72	47.1	ng	1363080	3	9.86	578414	20.0
unknown9.76	9.76	28.0	ng	809864	3	9.86	578414	20.0
Naphthalene, 2-(1...	9.96	60.1	ng	1738840	3	9.86	578414	20.0
Naphthalene, 2,3,...	10.18	39.4	ng	1139060	3	9.86	578414	20.0
Naphthalene, 1,6,...	10.21	50.2	ng	1452080	3	9.86	578414	20.0
Naphthalene, 1,4,...	10.27	51.3	ng	1483960	3	9.86	578414	20.0
Undecane, 2,5-dim...	10.50	108.3	ng	3133160	3	9.86	578414	20.0
Naphthalene, 1,2,...	10.55	29.8	ng	861106	3	9.86	578414	20.0
Bacchotricuneatin c	10.77	139.6	ng	4594930	4	11.35	658226	20.0
Dodecane	11.23	77.9	ng	2562510	4	11.35	658226	20.0