

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102183.D
 Acq On : 18 Jan 2018 7:15
 Operator : SJ/JU
 Sample : J1144-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-OW2-4(V)

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-BF010918.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	5.340	548	553	555	rVB	3448761	4022241	59.19%	2.291%
2	5.581	588	594	600	rBV4	282510	582269	8.57%	0.332%
3	5.869	635	643	647	rBV6	450222	723036	10.64%	0.412%
4	5.963	656	659	662	rBV2	1058440	1176964	17.32%	0.670%
5	6.157	687	692	694	rBV2	700523	876186	12.89%	0.499%
6	6.245	705	707	710	rBV2	728927	719244	10.58%	0.410%
7	6.363	720	727	730	rBV	3439774	4427402	65.16%	2.522%
8	6.463	739	744	745	rBV3	492859	723035	10.64%	0.412%
9	6.492	745	749	752	rVB	3669216	4073682	59.95%	2.321%
10	6.722	783	788	789	rBV	1105324	1165808	17.16%	0.664%
11	6.734	789	790	794	rVB	1520969	1238558	18.23%	0.706%
12	6.881	810	815	817	rBV2	2973597	3677175	54.12%	2.095%
13	6.998	832	835	838	rVB2	1151495	1254559	18.46%	0.715%
14	7.028	838	840	844	rBV2	776821	874507	12.87%	0.498%
15	7.116	851	855	857	rBV3	1208993	1268165	18.66%	0.722%
16	7.145	857	860	865	rVB4	419060	572604	8.43%	0.326%
17	7.263	872	880	882	rBV3	1849183	2807402	41.32%	1.599%
18	7.292	882	885	889	rVB	2617471	2646672	38.95%	1.508%
19	7.369	893	898	901	rVB5	1402957	2126506	31.29%	1.211%
20	7.410	901	905	906	rBV4	597249	727859	10.71%	0.415%
21	7.439	907	910	913	rVB4	639581	661376	9.73%	0.377%
22	7.504	918	921	923	rBV3	491104	682856	10.05%	0.389%
23	7.528	923	925	928	rVB2	1473053	1276156	18.78%	0.727%
24	7.610	935	939	940	rBV2	916912	903322	13.29%	0.515%
25	7.645	943	945	949	rVB4	993442	1035239	15.24%	0.590%
26	7.686	949	952	955	rVB4	1198037	1635217	24.06%	0.932%
27	7.728	955	959	960	rBV2	977810	896101	13.19%	0.510%
28	7.745	960	962	964	rVB2	1208706	806788	11.87%	0.460%
29	7.769	964	966	971	rVB3	711237	850556	12.52%	0.485%
30	7.828	973	976	978	rBV3	933416	962774	14.17%	0.548%
31	7.875	981	984	988	rBV2	963038	1241668	18.27%	0.707%
32	7.969	997	1000	1002	rBV4	555946	616814	9.08%	0.351%
33	7.998	1002	1005	1008	rVV3	1868702	2467680	36.32%	1.406%
34	8.028	1008	1010	1013	rVV3	712373	735789	10.83%	0.419%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.057	1013	1015	1016	rVV	1456313	1140005	16.78%	0.649%
36	8.075	1016	1018	1020	rVB	2810816	2234812	32.89%	1.273%
37	8.098	1020	1022	1025	rVB2	1060828	842390	12.40%	0.480%
38	8.180	1030	1036	1038	rBV6	1011661	1978787	29.12%	1.127%
39	8.210	1038	1041	1044	rVB2	1871626	2037735	29.99%	1.161%
40	8.251	1044	1048	1050	rBV2	828598	1071459	15.77%	0.610%
41	8.286	1052	1054	1055	rBV	1424220	1095543	16.12%	0.624%
42	8.304	1055	1057	1060	rVB4	1797042	1572686	23.14%	0.896%
43	8.363	1064	1067	1069	rBV3	1153439	1083848	15.95%	0.617%
44	8.398	1069	1073	1075	rVB	1573937	1614010	23.75%	0.919%
45	8.439	1075	1080	1084	rBV2	3544035	4874103	71.73%	2.777%
46	8.475	1084	1086	1089	rVB3	1443504	1362143	20.05%	0.776%
47	8.516	1089	1093	1096	rBV3	2547269	3021695	44.47%	1.721%
48	8.604	1105	1108	1111	rBV3	984947	1623158	23.89%	0.925%
49	8.675	1117	1120	1122	rVB2	1186402	1135463	16.71%	0.647%
50	8.704	1122	1125	1128	rVB3	2300513	2519383	37.08%	1.435%
51	8.763	1132	1135	1137	rBV4	715550	817076	12.02%	0.465%
52	8.828	1143	1146	1147	rBV	1463608	1459335	21.48%	0.831%
53	8.892	1155	1157	1159	rBV2	805125	734125	10.80%	0.418%
54	8.922	1159	1162	1166	rVV5	1185903	1208588	17.79%	0.688%
55	8.957	1166	1168	1170	rVV2	788552	715939	10.54%	0.408%
56	9.045	1178	1183	1186	rBV3	3448226	4238436	62.38%	2.415%
57	9.092	1188	1191	1195	rVB3	2688678	2615603	38.49%	1.490%
58	9.169	1201	1204	1206	rBV3	1401301	1751303	25.77%	0.998%
59	9.222	1210	1213	1214	rVV3	849844	963943	14.19%	0.549%
60	9.245	1214	1217	1220	rVV2	1548369	1937171	28.51%	1.104%
61	9.292	1222	1225	1230	rVB2	1332648	1638151	24.11%	0.933%
62	9.363	1232	1237	1240	rVB3	2626871	3887492	57.21%	2.215%
63	9.433	1242	1249	1251	rBV2	3006203	4699346	69.16%	2.677%
64	9.457	1251	1253	1255	rVV3	2340418	2553601	37.58%	1.455%
65	9.498	1255	1260	1263	rVV2	3942483	5829629	85.79%	3.321%
66	9.522	1263	1264	1266	rVV2	1375493	938410	13.81%	0.535%
67	9.551	1266	1269	1273	rVB2	1810932	1990716	29.30%	1.134%
68	9.633	1280	1283	1287	rBV2	1243269	1477459	21.74%	0.842%
69	9.680	1288	1291	1294	rVB3	1424289	1278329	18.81%	0.728%
70	9.745	1299	1302	1304	rBV3	1533422	1823606	26.84%	1.039%
71	9.810	1311	1313	1315	rVB3	1072621	749657	11.03%	0.427%

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72	9.880	1321	1325	1328	rVB	1985578	2538598	37.36%	1.446%
73	9.974	1337	1341	1345	rVB3	2055988	2782539	40.95%	1.585%
74	10.016	1346	1348	1357	rVB5	2140539	4355267	64.09%	2.481%
75	10.092	1357	1361	1363	rBV2	2008752	2553278	37.58%	1.455%
76	10.116	1363	1365	1367	rVB	1084024	907534	13.36%	0.517%
77	10.139	1367	1369	1372	rVB3	687400	615191	9.05%	0.350%
78	10.180	1373	1376	1377	rBV2	1188452	1068338	15.72%	0.609%
79	10.227	1382	1384	1387	rBV2	682636	796142	11.72%	0.454%
80	10.310	1395	1398	1400	rBV3	1462061	1655434	24.36%	0.943%
81	10.427	1412	1418	1421	rVV	3627009	5035698	74.11%	2.869%
82	10.469	1423	1425	1430	rVB4	1296589	1933907	28.46%	1.102%
83	10.539	1435	1437	1439	rBV2	1005508	743916	10.95%	0.424%
84	10.563	1439	1441	1443	rVB3	792827	589964	8.68%	0.336%
85	10.698	1458	1464	1469	rBV2	4369967	6795044	100.00%	3.871%
86	10.898	1495	1498	1503	rVB5	1539257	1667518	24.54%	0.950%
87	10.974	1509	1511	1513	rBV3	592896	589751	8.68%	0.336%
88	11.016	1513	1518	1523	rVV6	1195411	2000933	29.45%	1.140%
89	11.157	1538	1542	1548	rVB	3875286	5041683	74.20%	2.872%
90	11.257	1556	1559	1561	rBV2	1113525	1208509	17.79%	0.688%
91	11.498	1598	1600	1603	rVB	1482241	1327622	19.54%	0.756%
92	11.751	1641	1643	1645	rBV	768669	686469	10.10%	0.391%
93	11.780	1646	1648	1651	rVB	1175061	981219	14.44%	0.559%
94	11.863	1659	1662	1664	rVV	908385	848145	12.48%	0.483%
95	11.886	1664	1666	1669	rVB	786948	672013	9.89%	0.383%
96	12.221	1721	1723	1726	rBV	803605	759745	11.18%	0.433%
97	12.298	1733	1736	1739	rVB2	892745	871897	12.83%	0.497%
98	12.827	1821	1826	1829	rBV	2037876	1994492	29.35%	1.136%
99	13.868	1998	2003	2006	rBV	852424	786568	11.58%	0.448%
100	15.280	2238	2243	2253	rBV	612209	761884	11.21%	0.434%

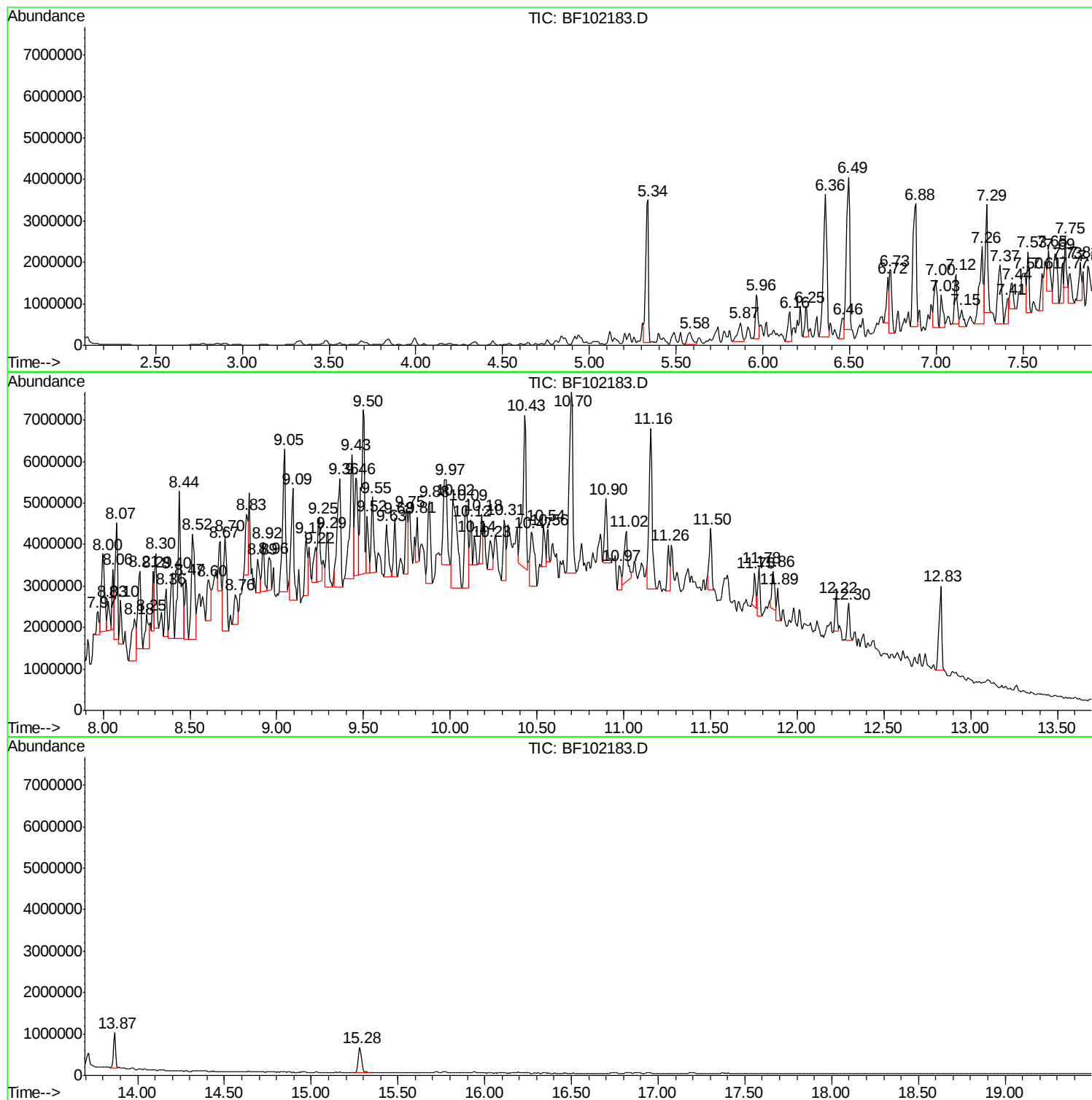
Sum of corrected areas: 175540643

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.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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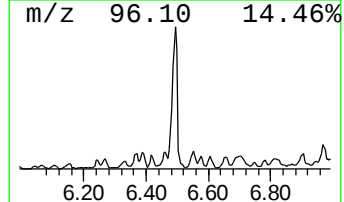
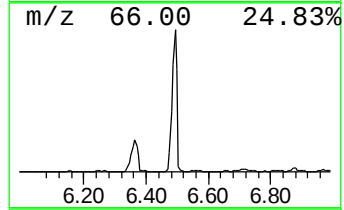
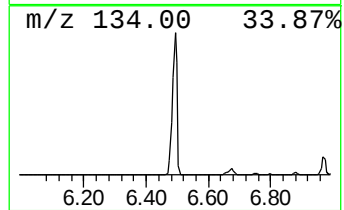
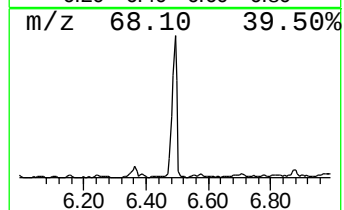
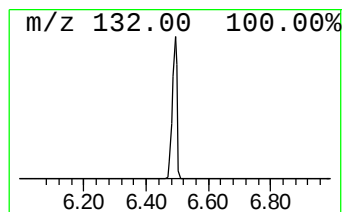
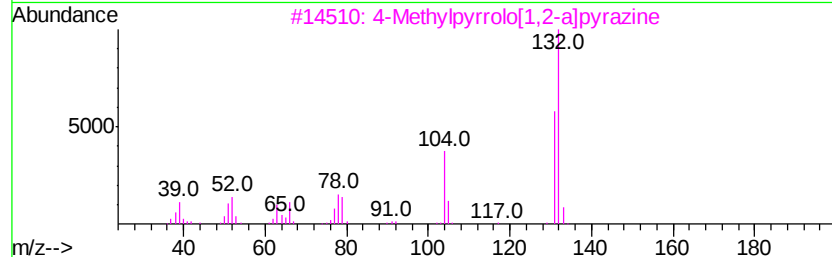
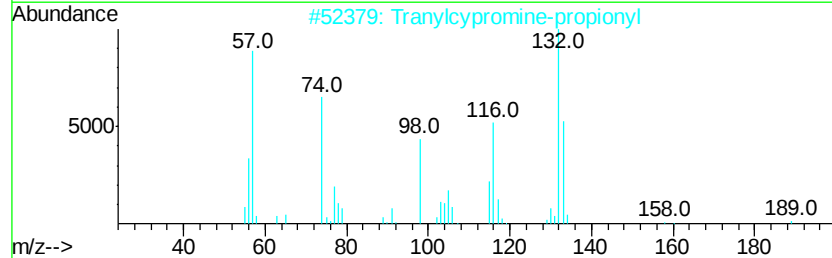
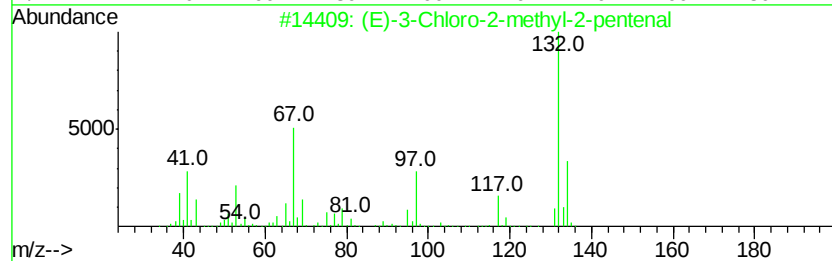
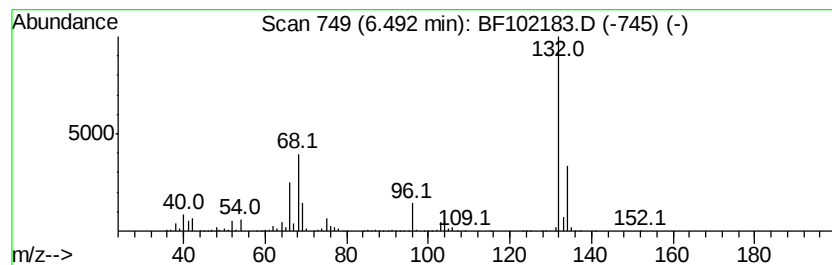
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	69.89 ng	4073680	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4			5-Aminoindole	132	C8H8N2	005192-03-0	9
5			4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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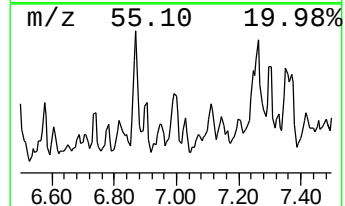
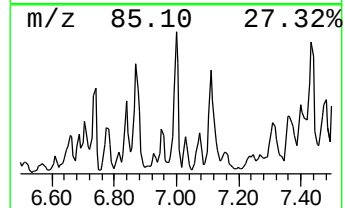
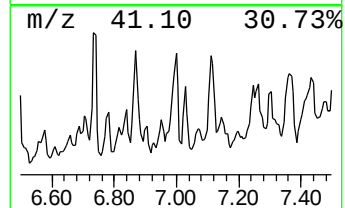
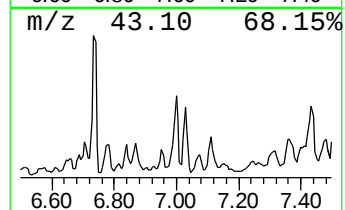
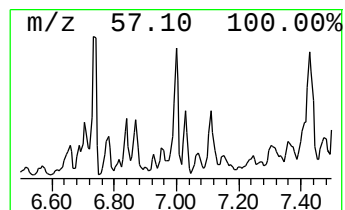
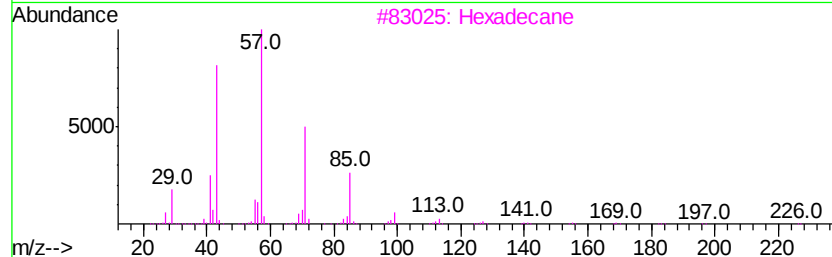
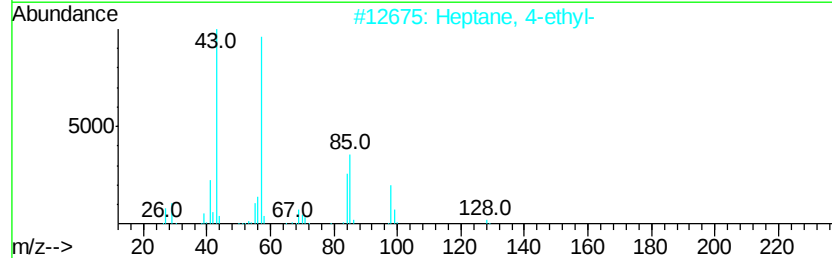
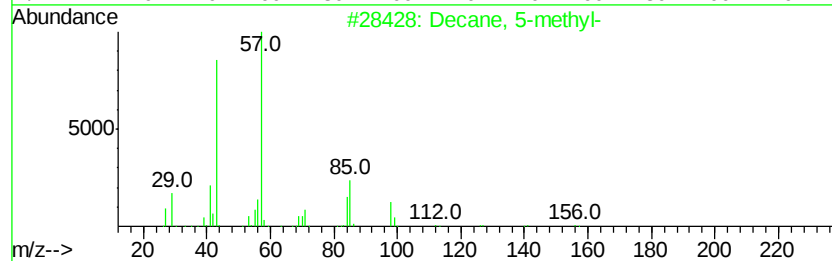
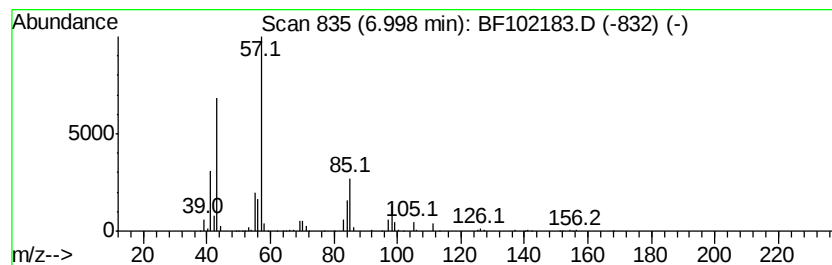
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Decane, 5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	21.52 ng	1254560	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	72
2			Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
3			Hexadecane	226	C16H34	000544-76-3	53
4			Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	50
5			Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	47



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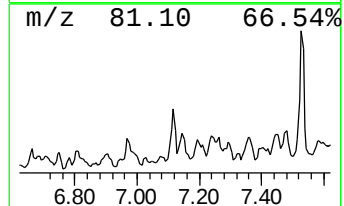
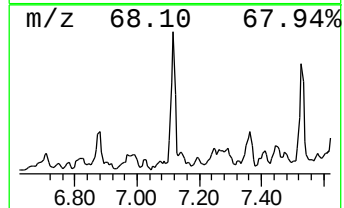
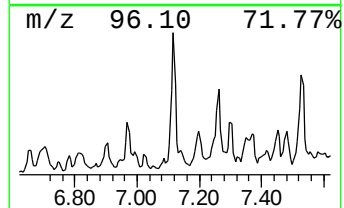
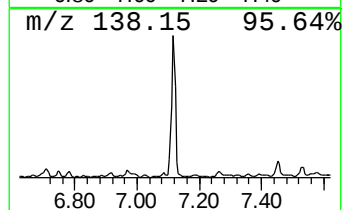
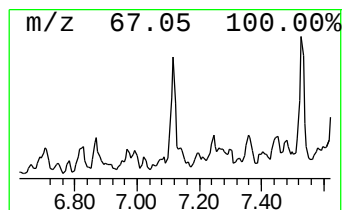
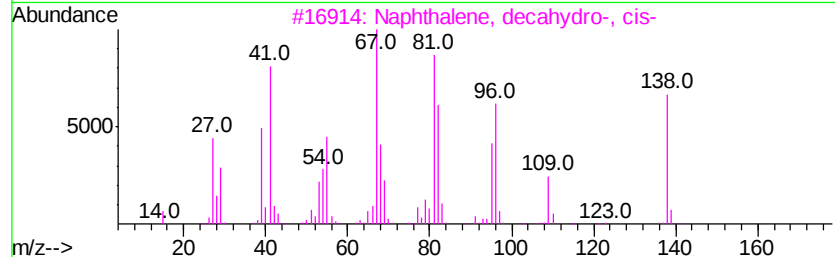
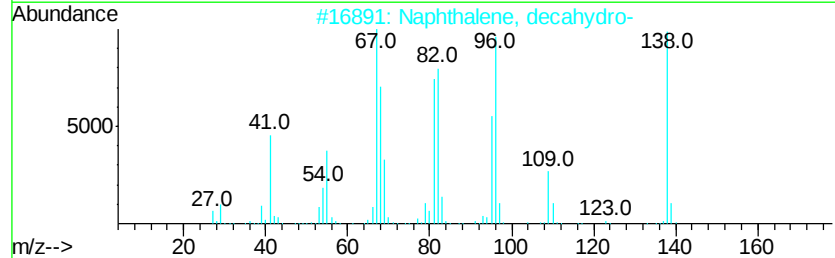
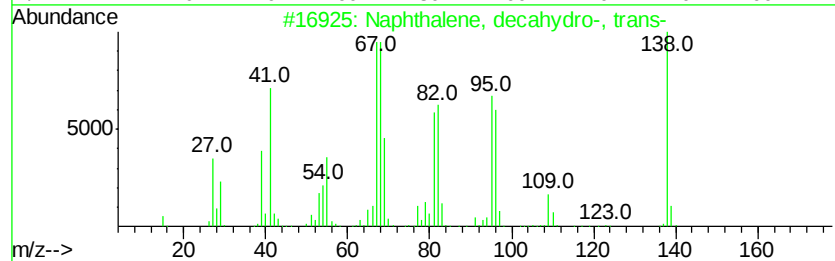
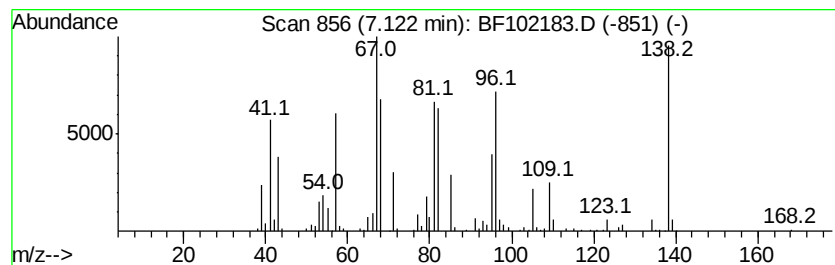
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	21.76 ng	1268170	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
4		Spiro[4.5]decane	138	C10H18	000176-63-6	60
5		Cyclodecene	138	C10H18	003618-12-0	55



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
Data File : BF102183.D
Acq On : 18 Jan 2018 7:15
Operator : SJ/JU
Sample : J1144-12
Misc :
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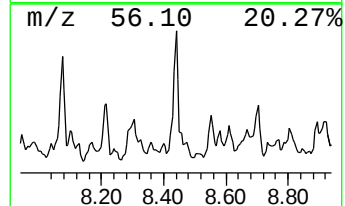
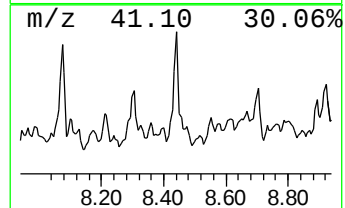
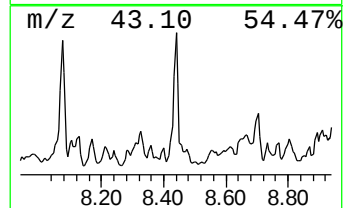
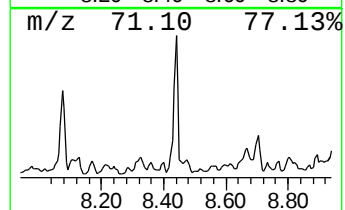
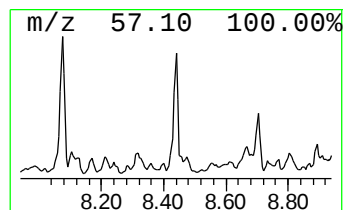
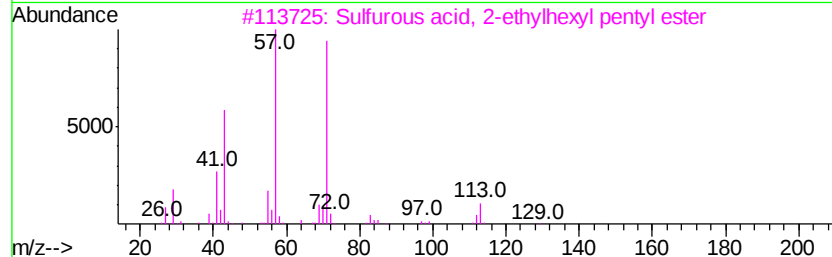
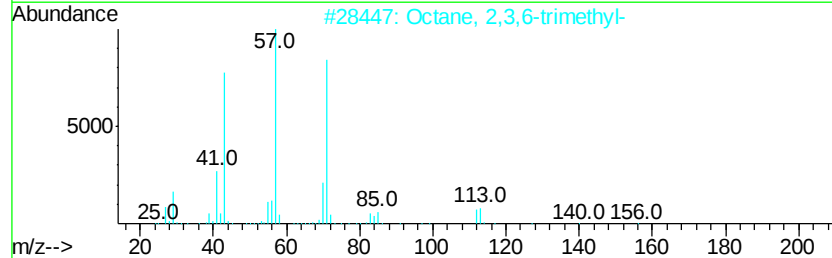
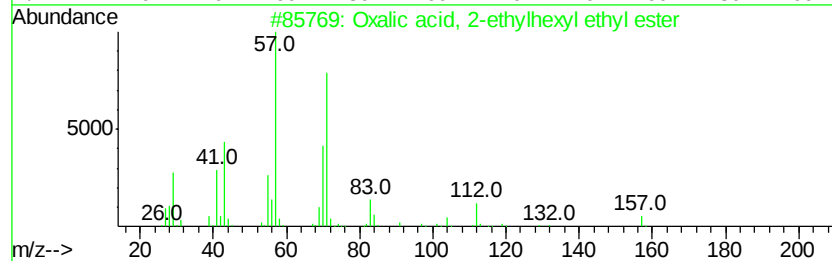
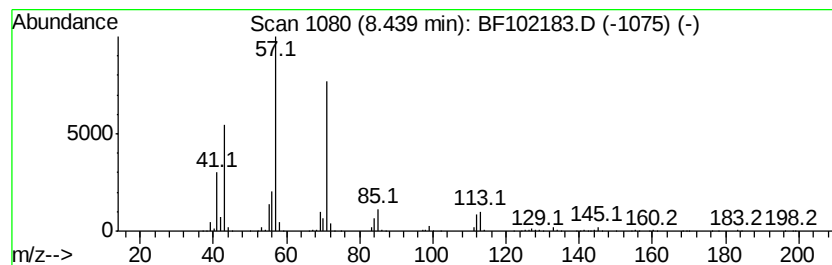
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ClientSampleId :
TS-OW2-4(V)

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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 Oxalic acid, 2-ethylhexyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.44	39.50 ng	4874100	Napthalene-d8	8.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
2		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
3		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
4		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64



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ClientSampleId :
TS-OW2-4(V)

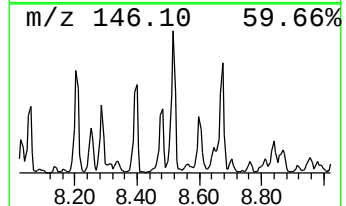
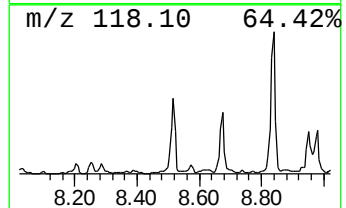
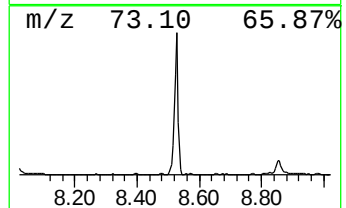
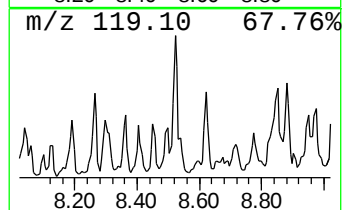
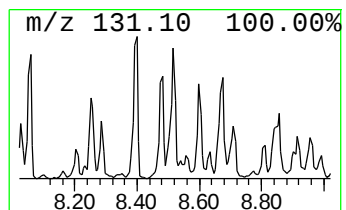
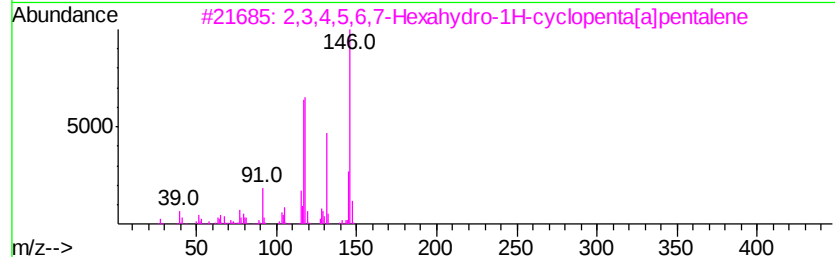
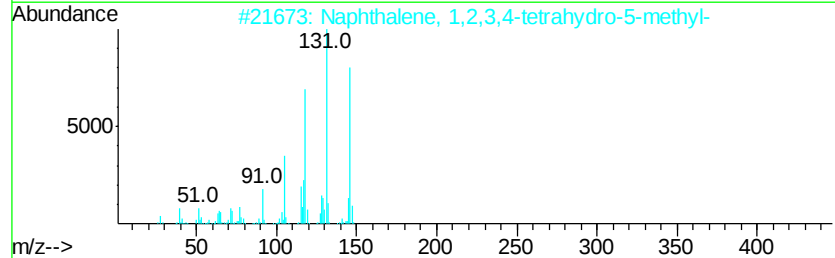
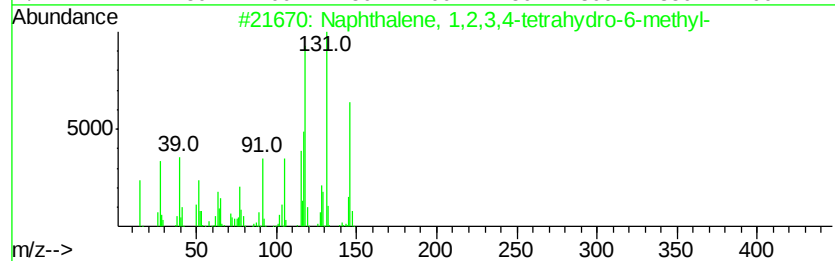
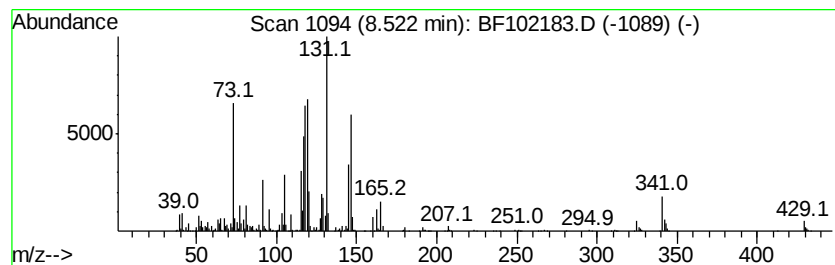
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	24.49 ng	3021700	Naphthalene-d8	8.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	83
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
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ClientSampleId :
TS-OW2-4(V)

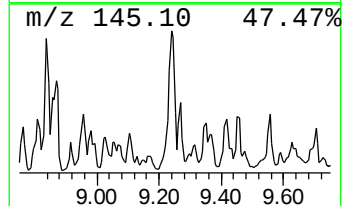
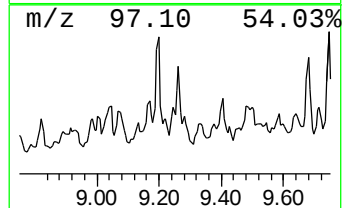
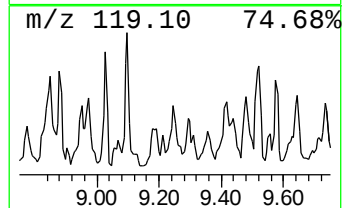
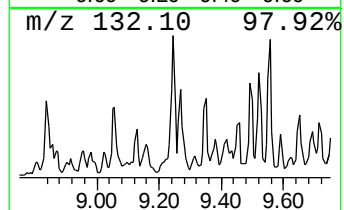
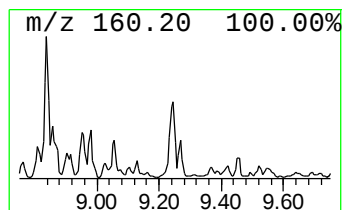
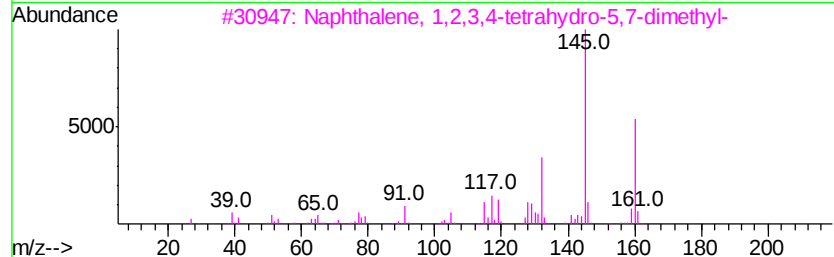
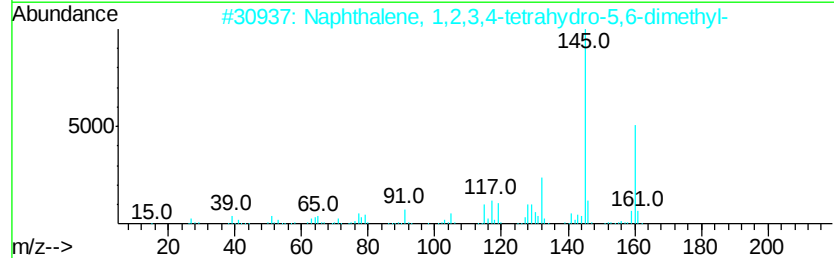
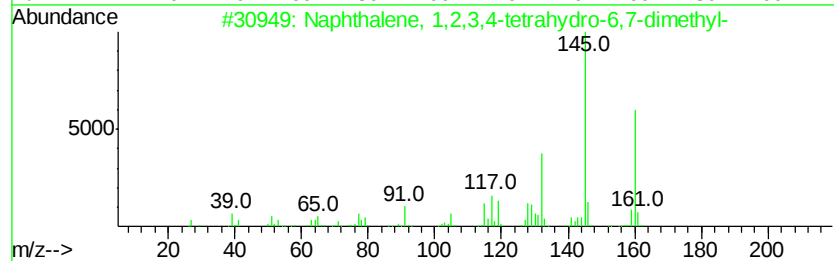
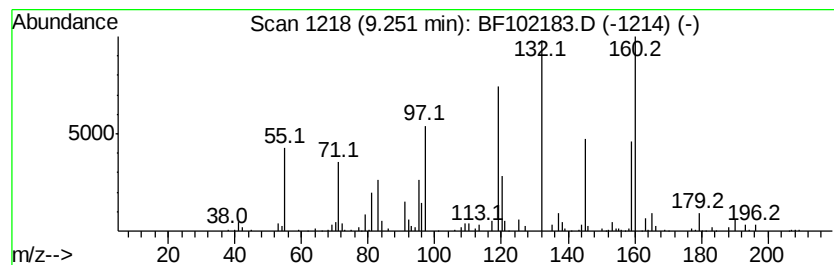
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	21.25 ng	1937170	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	90
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	68
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	62



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
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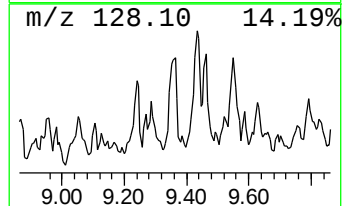
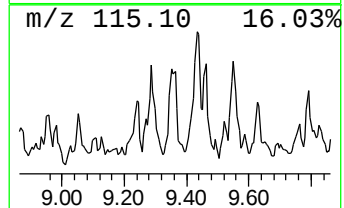
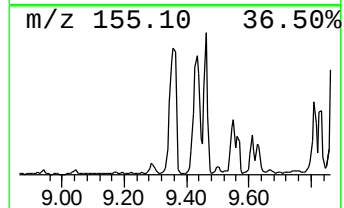
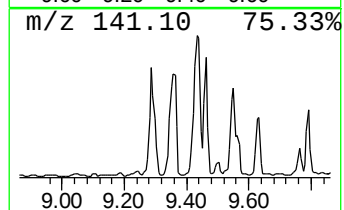
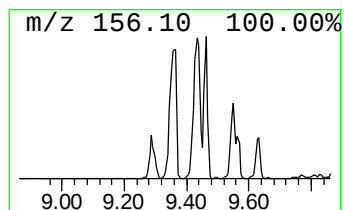
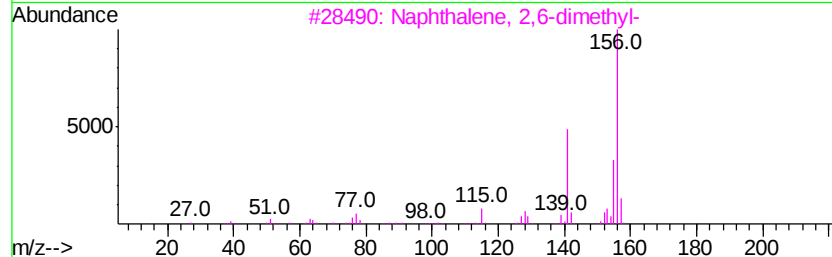
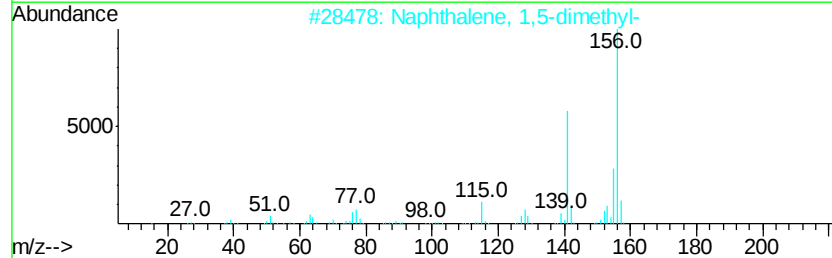
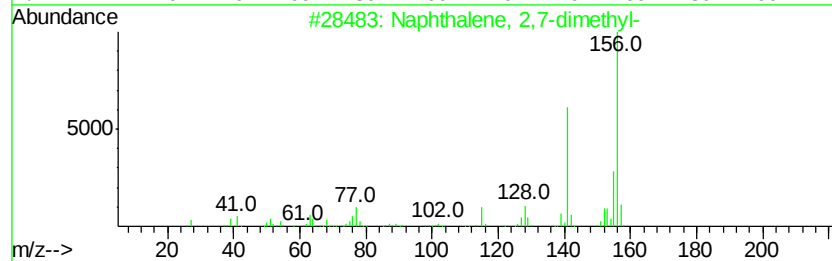
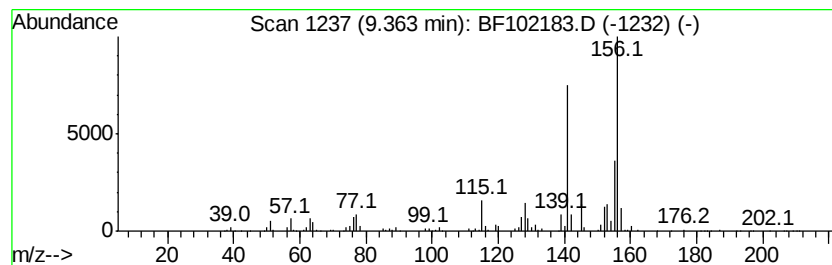
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	42.64 ng	3887490	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
Data File : BF102183.D
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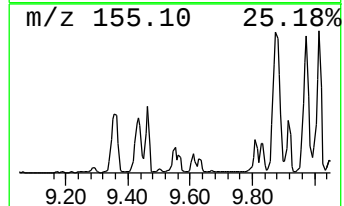
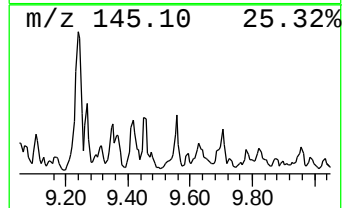
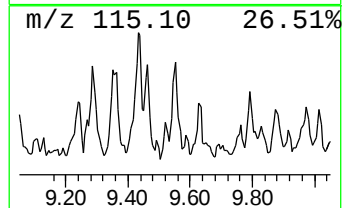
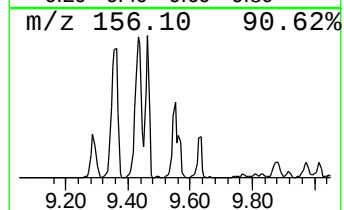
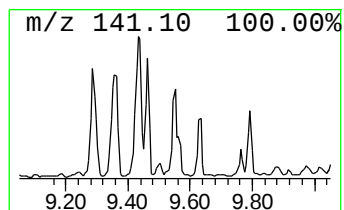
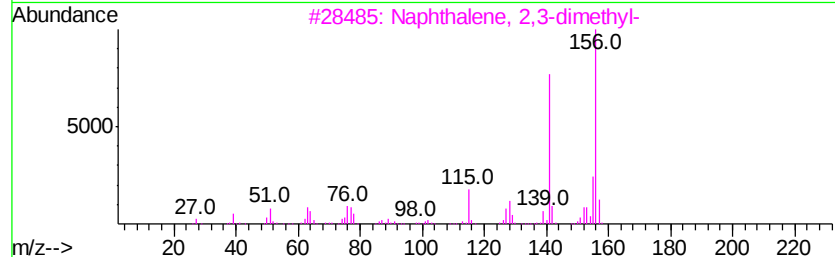
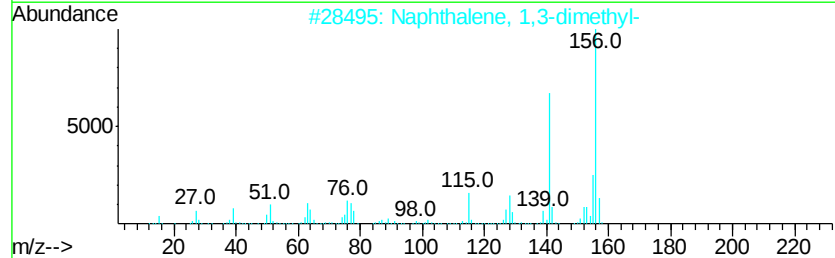
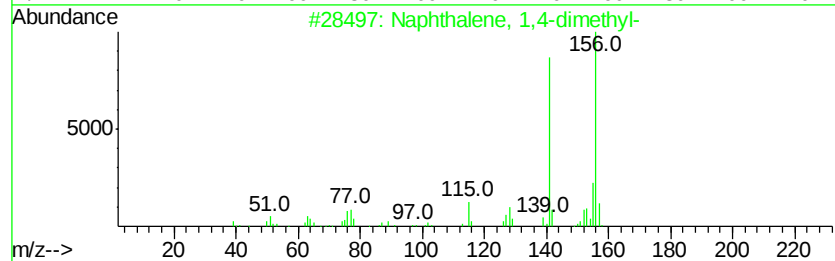
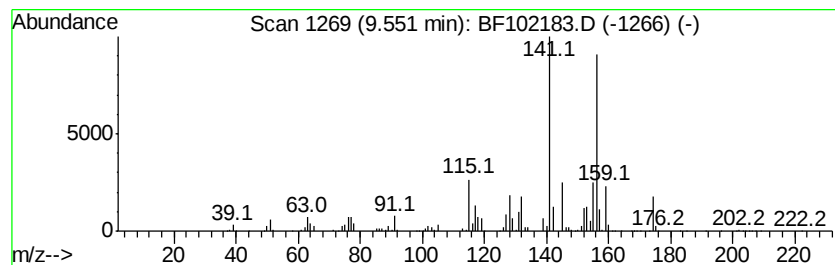
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	21.83 ng	1990720	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
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ALS Vial : 36 Sample Multiplier: 1

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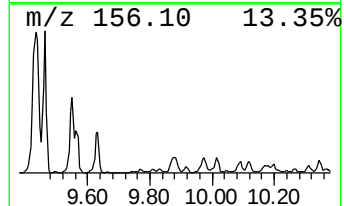
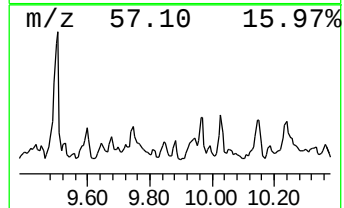
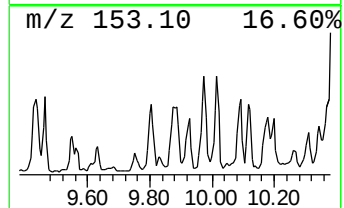
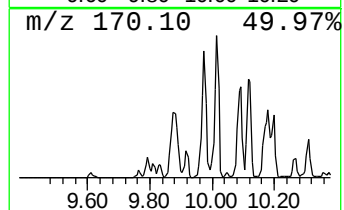
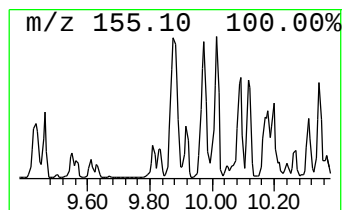
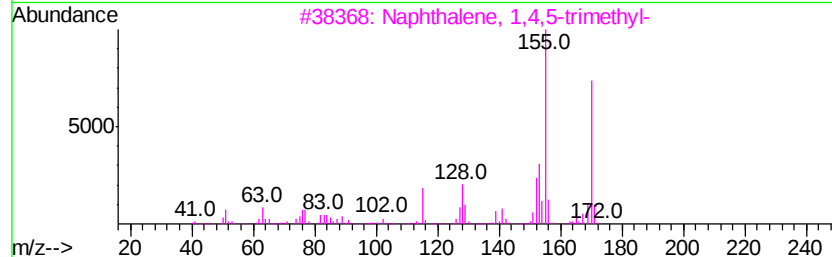
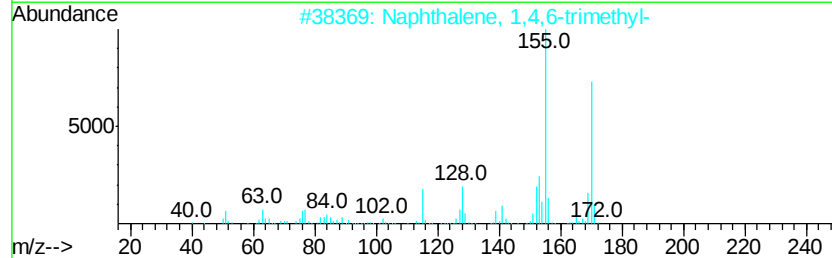
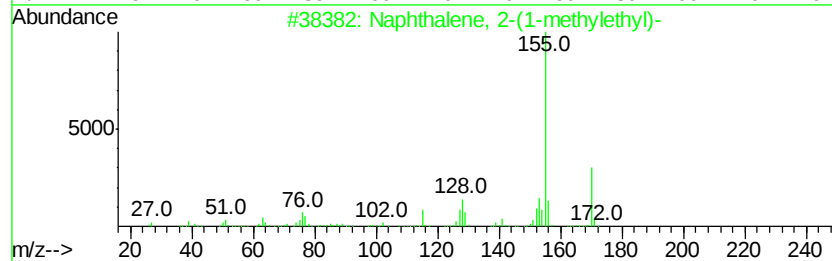
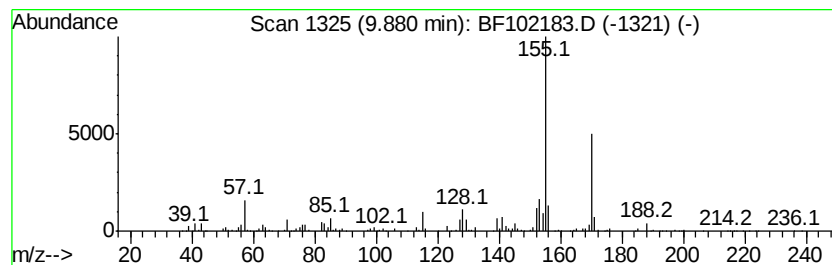
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	27.84 ng	2538600	Acenaphthene-d10	9.77

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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	74
5		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72



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Misc :
ALS Vial : 36 Sample Multiplier: 1

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ClientSampleId :
TS-OW2-4(V)

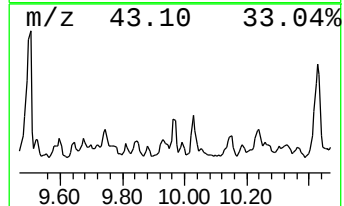
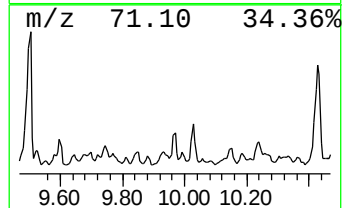
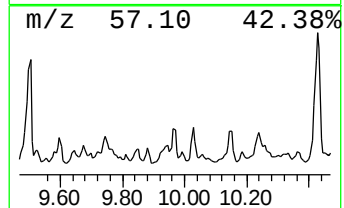
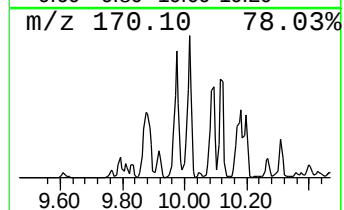
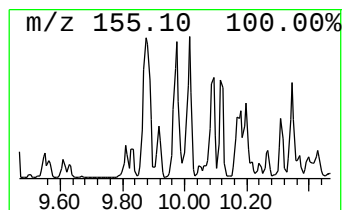
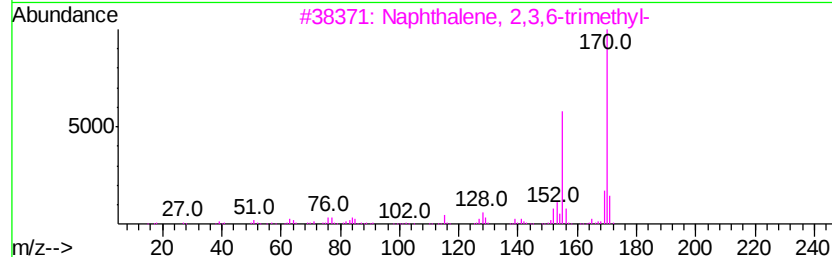
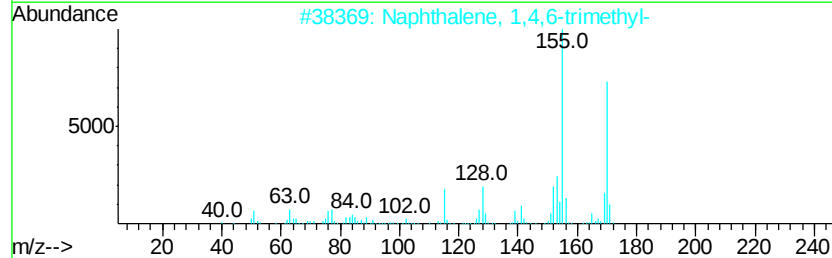
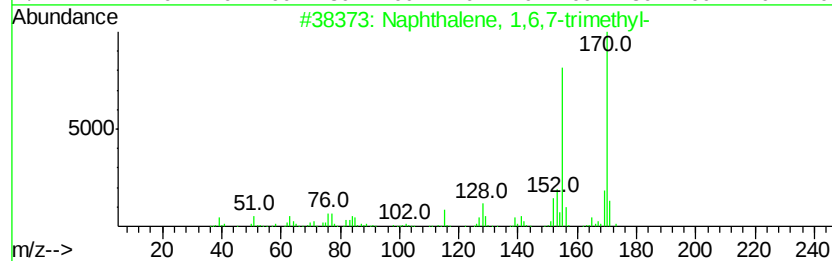
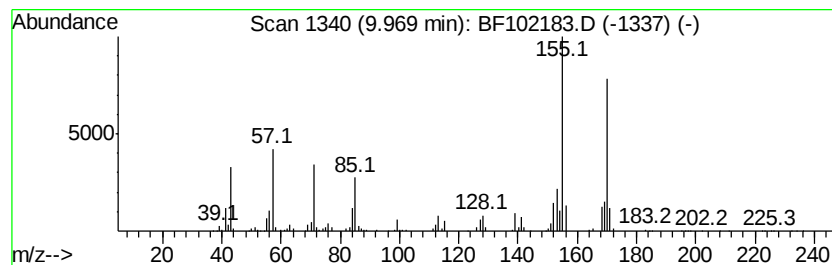
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	30.52 ng	2782540	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87



Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
Data File : BF102183.D
Acq On : 18 Jan 2018 7:15
Operator : SJ/JU
Sample : J1144-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-OW2-4(V)

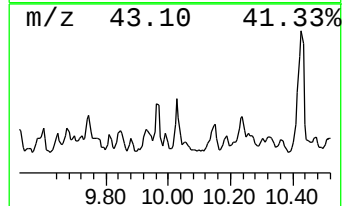
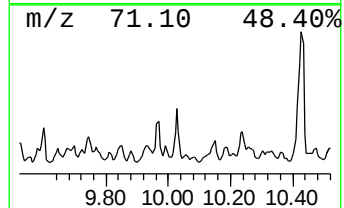
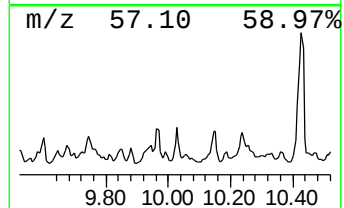
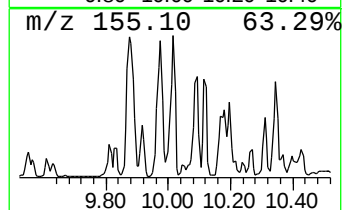
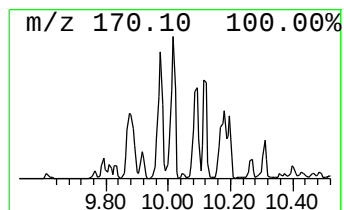
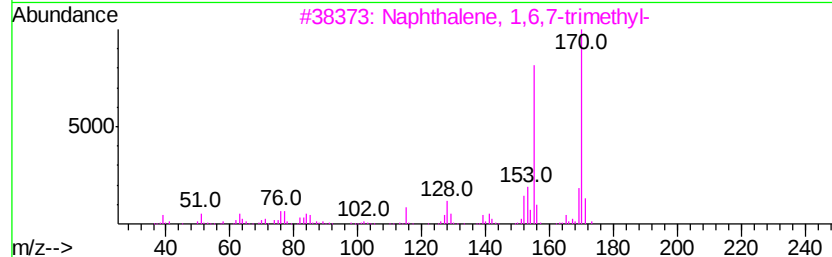
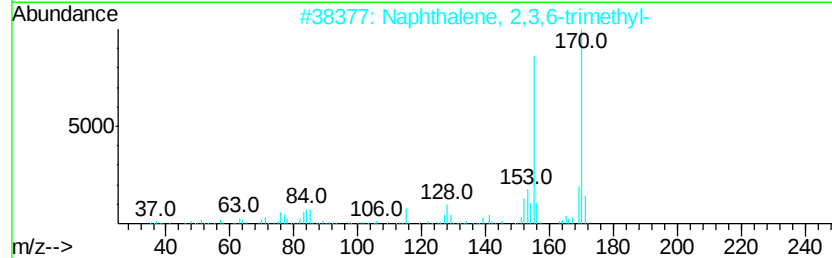
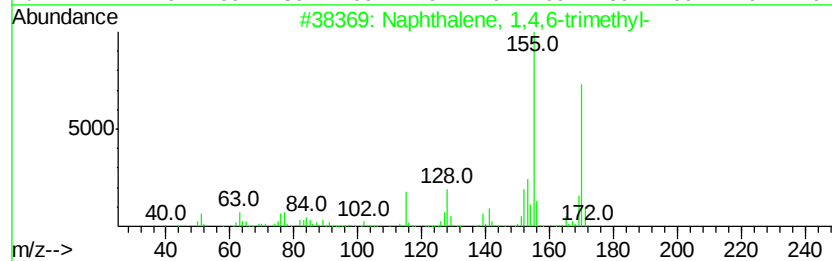
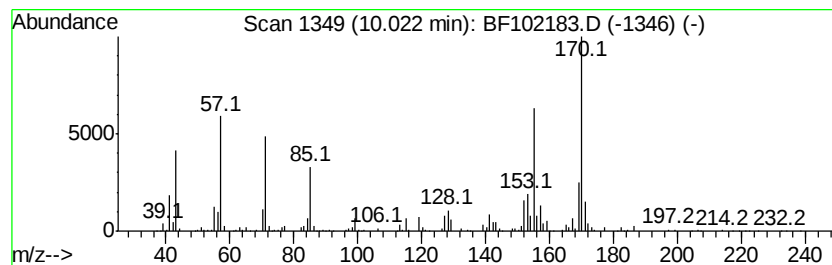
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	47.77 ng	4355270	Acenaphthene-d10	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
Data File : BF102183.D
Acq On : 18 Jan 2018 7:15
Operator : SJ/JU
Sample : J1144-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

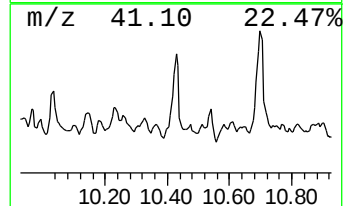
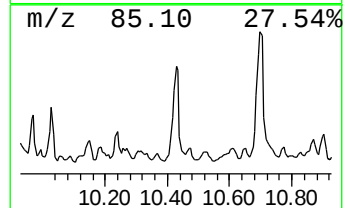
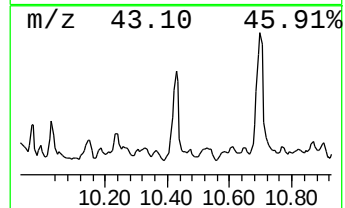
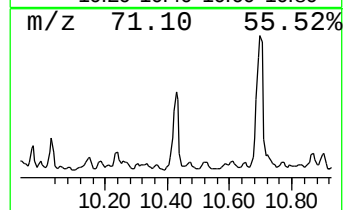
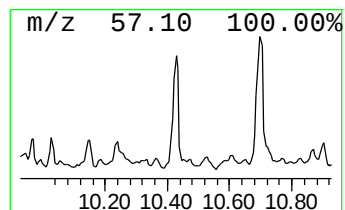
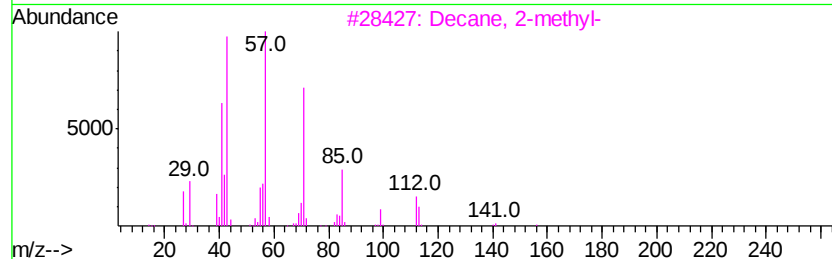
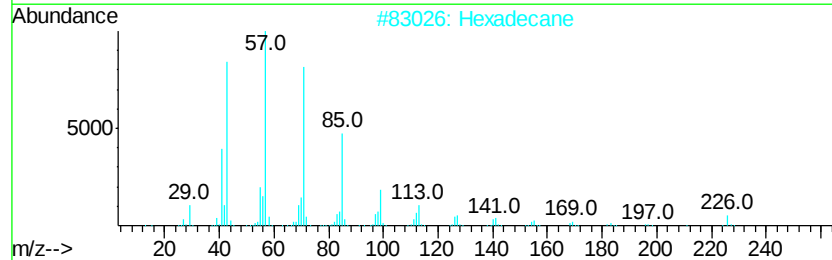
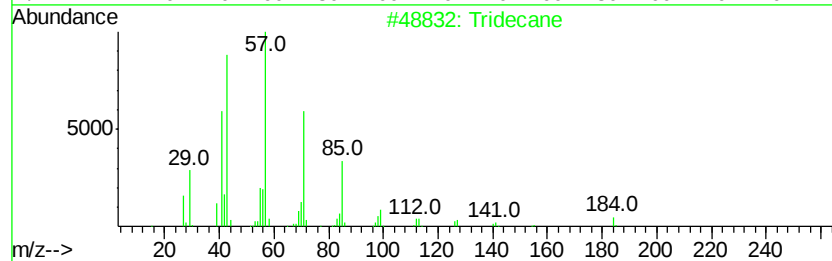
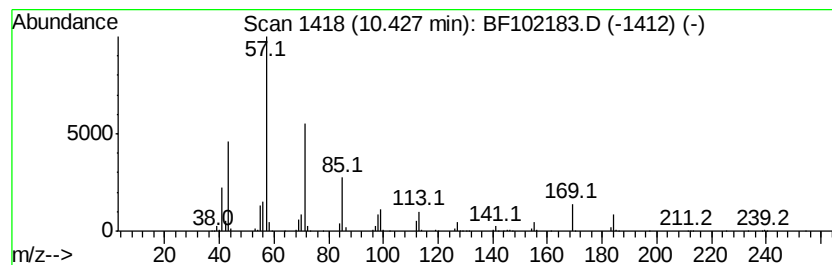
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ClientSampleId :
TS-OW2-4(V)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.43	55.23 ng	5035700	Acenaphthene-d10		9.77
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	72
2	Hexadecane	226	C16H34	000544-76-3	64
3	Decane, 2-methyl-	156	C11H24	006975-98-0	62
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	58



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
Data File : BF102183.D
Acq On : 18 Jan 2018 7:15
Operator : SJ/JU
Sample : J1144-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TS-OW2-4(V)

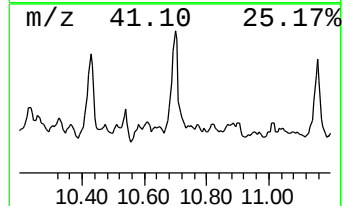
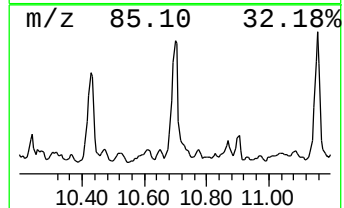
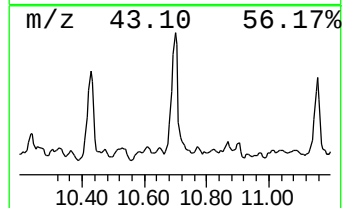
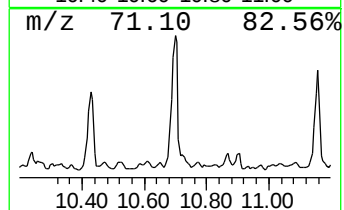
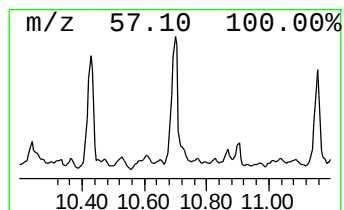
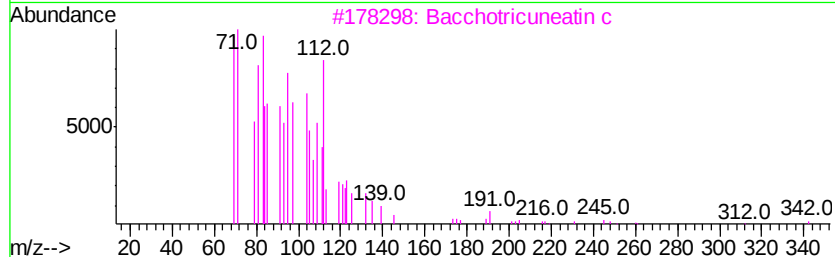
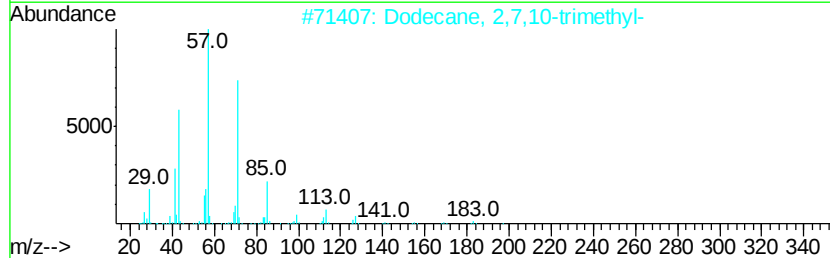
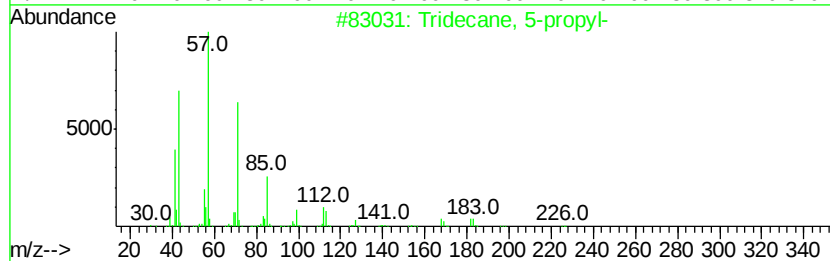
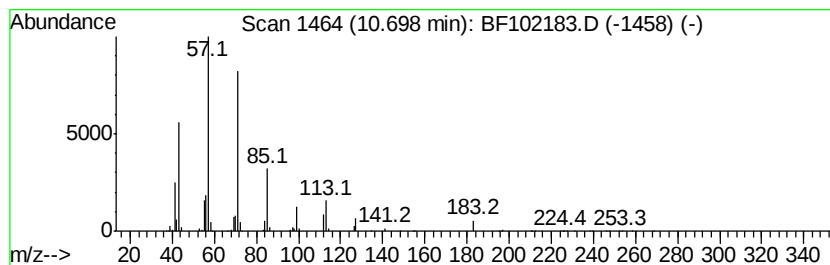
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	112.45 ng	6795040	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3			Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59



Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
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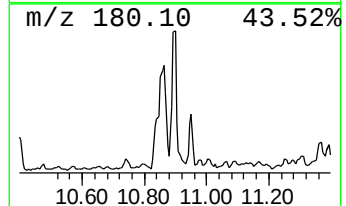
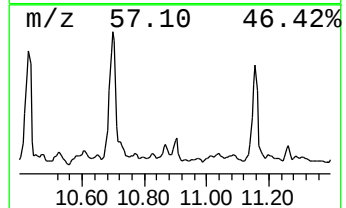
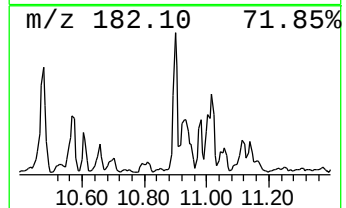
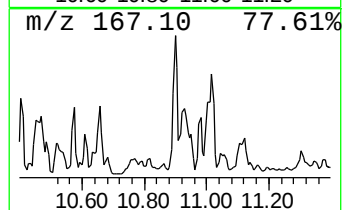
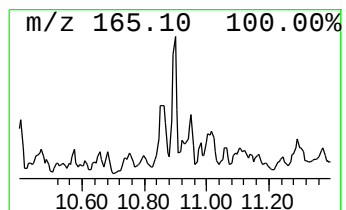
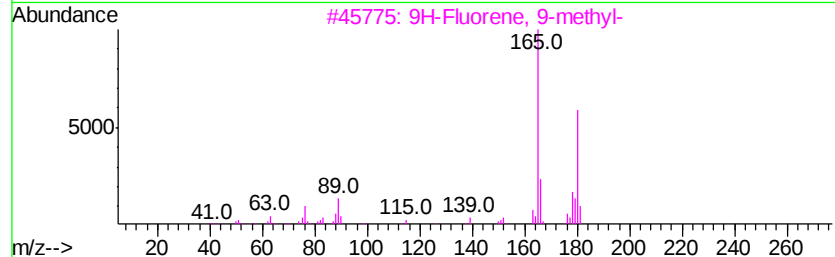
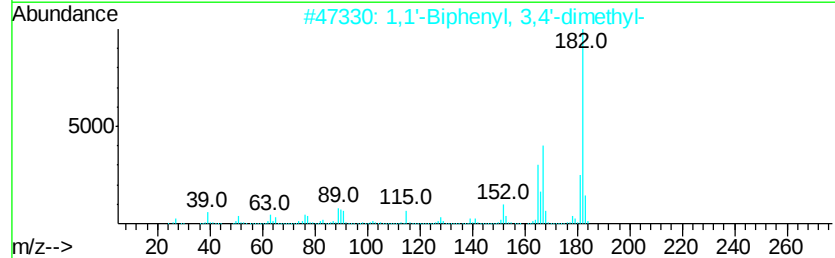
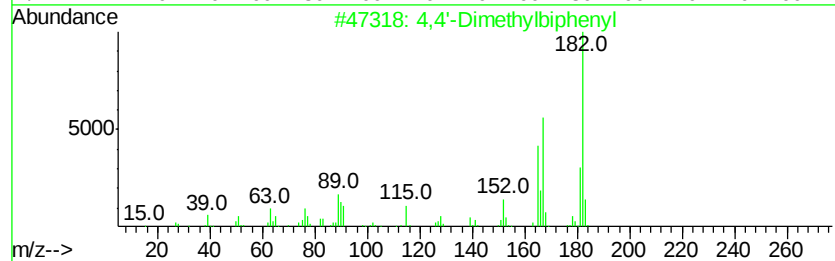
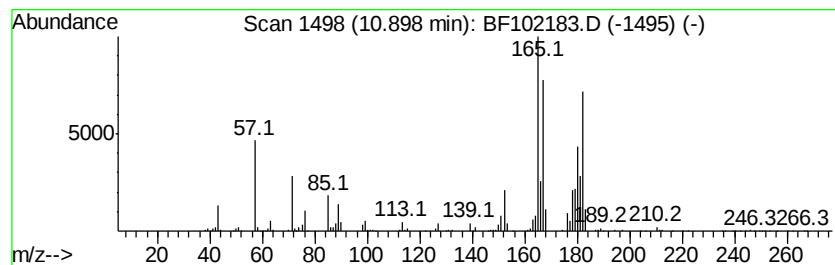
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ClientSampleId :
TS-OW2-4(V)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 4,4'-Dimethylbiphenyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.90	27.60 ng	1667520	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	58
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	52
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	45
5	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	45



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
Data File : BF102183.D
Acq On : 18 Jan 2018 7:15
Operator : SJ/JU
Sample : J1144-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

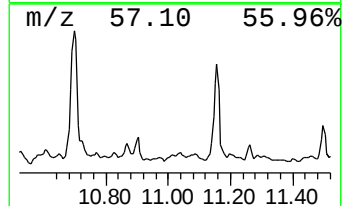
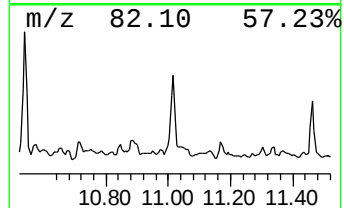
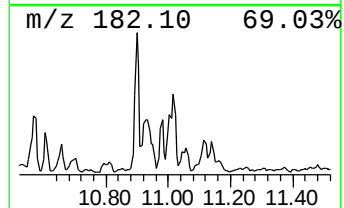
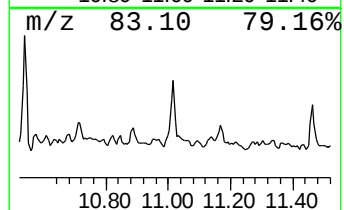
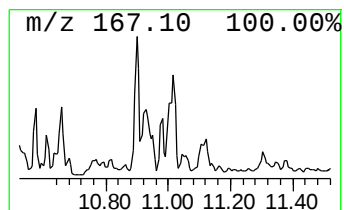
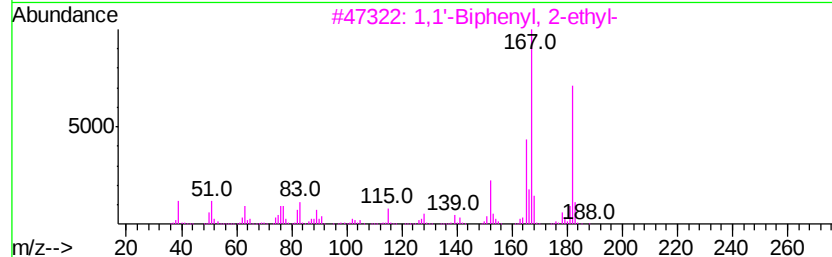
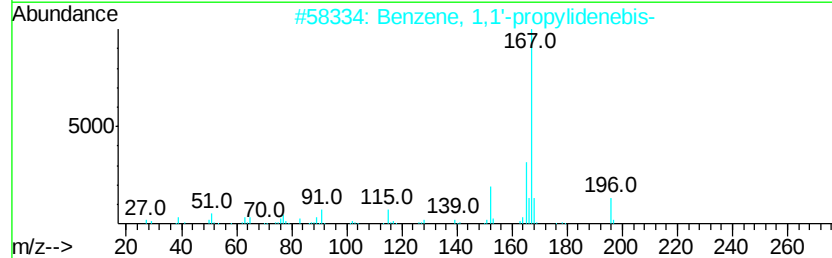
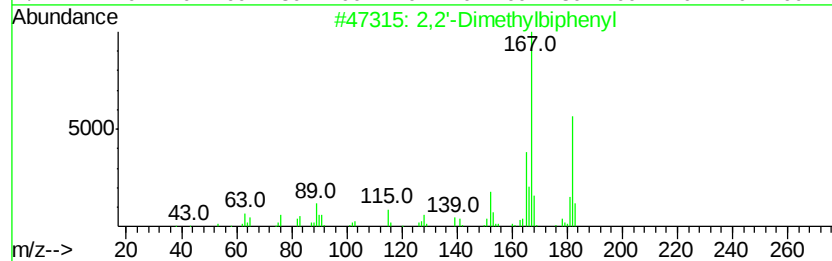
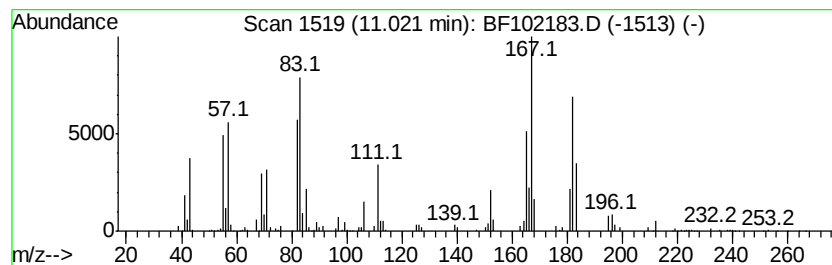
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2,2'-Dimethylbiphenyl Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.02	33.11 ng	2000930	Phenanthrene-d10	11.25		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	89
2		Benzene, 1,1'-propylidenebis-	196	C15H16	001530-03-6	70
3		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	64
4		4-Ethylbiphenyl	182	C14H14	005707-44-8	46
5		Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	46



Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
Data File : BF102183.D
Acq On : 18 Jan 2018 7:15
Operator : SJ/JU
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ClientSampleId :
TS-OW2-4(V)

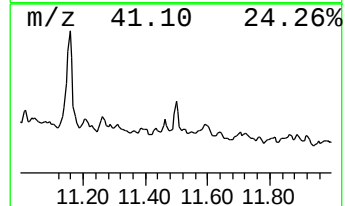
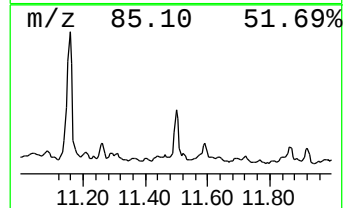
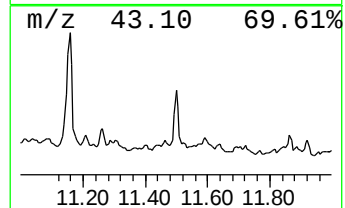
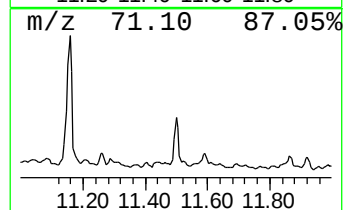
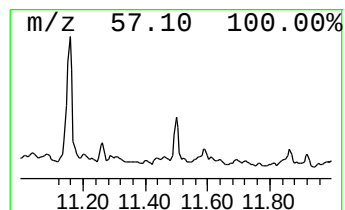
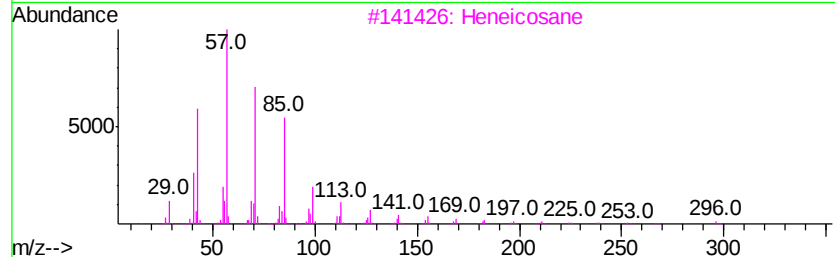
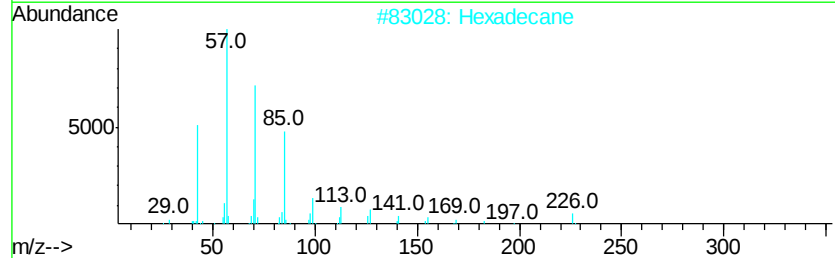
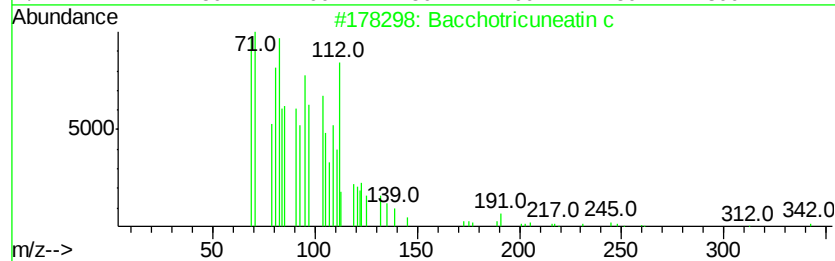
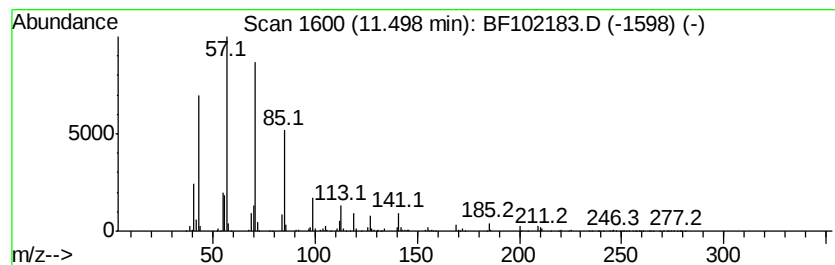
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Bacchotricuneatin c Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	21.97 ng	1327620	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	2-methyloctacosane	408	C29H60	1000376-72-8	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011718\
 Data File : BF102183.D
 Acq On : 18 Jan 2018 7:15
 Operator : SJ/JU
 Sample : J1144-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 TS-OW2-4(V)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
unknown6.49	6.49	69.9	ng	4073680	1	6.72	1165810	20.0
Decane, 5-methyl-	7.00	21.5	ng	1254560	1	6.72	1165810	20.0
Naphthalene, deca...	7.12	21.8	ng	1268170	1	6.72	1165810	20.0
Oxalic acid, 2-et...	8.44	39.5	ng	4874100	2	8.01	2467680	20.0
Naphthalene, 1,2,...	8.52	24.5	ng	3021700	2	8.01	2467680	20.0
Naphthalene, 1,2,...	9.25	21.3	ng	1937170	3	9.77	1823610	20.0
Naphthalene, 2,7-...	9.36	42.6	ng	3887490	3	9.77	1823610	20.0
Naphthalene, 1,4-...	9.55	21.8	ng	1990720	3	9.77	1823610	20.0
Naphthalene, 2-(1...	9.88	27.8	ng	2538600	3	9.77	1823610	20.0
Naphthalene, 1,6,...	9.97	30.5	ng	2782540	3	9.77	1823610	20.0
Naphthalene, 1,4,...	10.02	47.8	ng	4355270	3	9.77	1823610	20.0
Tridecane	10.43	55.2	ng	5035700	3	9.77	1823610	20.0
Tridecane, 5-propyl-	10.70	112.5	ng	6795040	4	11.25	1208510	20.0
4,4'-Dimethylbiph...	10.90	27.6	ng	1667520	4	11.25	1208510	20.0
2,2'-Dimethylbiph...	11.02	33.1	ng	2000930	4	11.25	1208510	20.0
Bacchotricuneatin c	11.50	22.0	ng	1327620	4	11.25	1208510	20.0