

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101758.D
 Acq On : 27 Dec 2017 12:17
 Operator : SJ/JU
 Sample : I6966-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4

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	4.993	491	494	509	rBV	297603	520791	14.44%	0.490%
2	5.246	534	537	548	rBV	357135	493496	13.68%	0.464%
3	5.357	553	556	562	rVV2	635459	1067166	29.58%	1.003%
4	5.404	562	564	582	rVV	2196308	3108015	86.16%	2.922%
5	6.016	663	668	671	rBV2	833042	1008360	27.95%	0.948%
6	6.075	675	678	680	rVV	740818	636632	17.65%	0.599%
7	6.210	696	701	705	rBV	672573	866978	24.04%	0.815%
8	6.269	709	711	714	rVB	889184	755972	20.96%	0.711%
9	6.304	714	717	720	rBV2	875547	1045862	28.99%	0.983%
10	6.363	724	727	729	rVV	551253	435609	12.08%	0.410%
11	6.445	738	741	744	rVV	1984755	2400891	66.56%	2.257%
12	6.475	744	746	749	rVV	946157	1039244	28.81%	0.977%
13	6.516	749	753	758	rVV4	1008236	2252157	62.44%	2.118%
14	6.569	758	762	766	rVV2	2583767	3441367	95.40%	3.236%
15	6.610	766	769	771	rVV2	1112418	1070867	29.69%	1.007%
16	6.634	771	773	776	rVB	551154	462821	12.83%	0.435%
17	6.698	780	784	785	rVV4	279929	392184	10.87%	0.369%
18	6.740	788	791	793	rVV3	704833	832430	23.08%	0.783%
19	6.763	793	795	796	rVV2	630002	657034	18.21%	0.618%
20	6.792	796	800	803	rVV	3083333	3363967	93.26%	3.163%
21	6.834	804	807	809	rVV3	655357	859125	23.82%	0.808%
22	6.869	809	813	814	rVV4	665836	960772	26.64%	0.903%
23	6.887	814	816	819	rVV2	879277	1165637	32.31%	1.096%
24	6.922	819	822	824	rVV	2227100	2421402	67.13%	2.277%
25	6.945	824	826	830	rVV2	2284832	2840160	78.74%	2.670%
26	6.981	830	832	834	rVV	375645	314685	8.72%	0.296%
27	7.004	834	836	838	rVV2	795361	710756	19.70%	0.668%
28	7.051	838	844	847	rVV4	1720223	2367037	65.62%	2.226%
29	7.081	847	849	851	rVV	1126385	809346	22.44%	0.761%
30	7.110	851	854	855	rVV	552784	641411	17.78%	0.603%
31	7.175	859	865	867	rVV3	1526695	1917041	53.15%	1.802%
32	7.204	867	870	875	rVB4	464794	701183	19.44%	0.659%
33	7.251	875	878	880	rBV2	354508	384558	10.66%	0.362%
34	7.275	880	882	883	rVV2	323229	285696	7.92%	0.269%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.298	883	886	887 rVV	1145126	1062970	29.47%	0.999%
36	7.316	887	889	893 rVV	1630535	1740955	48.26%	1.637%
37	7.363	893	897	902 rVV4	1899092	2934298	81.35%	2.759%
38	7.404	902	904	905 rVV	600383	492137	13.64%	0.463%
39	7.422	905	907	910 rVV4	862568	947408	26.26%	0.891%
40	7.481	910	917	923 rVV6	456337	1053269	29.20%	0.990%
41	7.557	927	930	932 rVV	810687	709717	19.68%	0.667%
42	7.587	932	935	937 rVB2	621723	563493	15.62%	0.530%
43	7.675	944	950	953 rBV4	759626	1126518	31.23%	1.059%
44	7.698	953	954	956 rVV	635034	424515	11.77%	0.399%
45	7.739	958	961	964 rVB2	383131	484759	13.44%	0.456%
46	7.804	969	972	976 rBV	885553	854837	23.70%	0.804%
47	8.039	1009	1012	1014 rVV2	352212	409882	11.36%	0.385%
48	8.069	1014	1017	1019 rVV	1075056	1106231	30.67%	1.040%
49	8.092	1019	1021	1023 rVV	1370196	1209839	33.54%	1.138%
50	8.116	1023	1025	1028 rVB	989058	762506	21.14%	0.717%
51	8.151	1028	1031	1038 rVB4	210149	316567	8.78%	0.298%
52	8.351	1057	1065	1070 rBV4	465281	827718	22.95%	0.778%
53	8.475	1084	1086	1088 rBV	876545	631535	17.51%	0.594%
54	8.745	1128	1132	1135 rVB2	394948	482839	13.39%	0.454%
55	8.786	1135	1139	1142 rBV	881808	837953	23.23%	0.788%
56	8.886	1153	1156	1158 rVV2	713701	690937	19.15%	0.650%
57	8.928	1161	1163	1167 rBV3	274086	360434	9.99%	0.339%
58	8.963	1167	1169	1174 rVB4	386067	532191	14.75%	0.500%
59	9.010	1174	1177	1181 rBV4	309880	313222	8.68%	0.294%
60	9.075	1186	1188	1192 rBV	1078390	907241	25.15%	0.853%
61	9.145	1196	1200	1203 rBV	2694307	2398960	66.51%	2.256%
62	9.216	1208	1212	1216 rBV2	536517	759650	21.06%	0.714%
63	9.286	1222	1224	1228 rVB2	297165	284211	7.88%	0.267%
64	9.339	1229	1233	1238 rBV	322002	468558	12.99%	0.441%
65	9.410	1241	1245	1250 rBV	948767	1459235	40.45%	1.372%
66	9.486	1253	1258	1260 rBV2	1243257	1383141	38.34%	1.300%
67	9.510	1260	1262	1264 rVV	1036684	1156335	32.06%	1.087%
68	9.533	1264	1266	1269 rVB3	1498335	1229004	34.07%	1.156%
69	9.604	1275	1278	1279 rBV2	421073	378735	10.50%	0.356%
70	9.686	1288	1292	1295 rBV4	492385	536847	14.88%	0.505%
71	9.722	1295	1298	1300 rVV2	334707	303009	8.40%	0.285%

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72	9.745	1300	1302	1306	rVB2	287234	319799	8.87%	0.301%
73	9.781	1306	1308	1310	rBV2	295299	320618	8.89%	0.301%
74	9.816	1311	1314	1318	rVV2	1413783	1747920	48.46%	1.643%
75	9.857	1318	1321	1324	rVV2	1076495	1135615	31.48%	1.068%
76	9.928	1329	1333	1337	rBV2	670136	1010484	28.01%	0.950%
77	9.975	1337	1341	1344	rBV4	421490	608840	16.88%	0.572%
78	10.004	1344	1346	1347	rVV	390255	307872	8.54%	0.289%
79	10.028	1347	1350	1354	rVV2	1098266	1324327	36.71%	1.245%
80	10.069	1354	1357	1360	rVB3	1142984	1135593	31.48%	1.068%
81	10.145	1366	1370	1372	rBV	701884	831562	23.05%	0.782%
82	10.175	1372	1375	1380	rVB2	779803	947753	26.27%	0.891%
83	10.233	1380	1385	1389	rBV3	678209	1473218	40.84%	1.385%
84	10.269	1389	1391	1394	rVB2	329467	297584	8.25%	0.280%
85	10.381	1406	1410	1416	rVB2	1163594	1427625	39.58%	1.342%
86	10.463	1418	1424	1426	rBV2	2089716	2336993	64.79%	2.197%
87	10.516	1430	1433	1435	rBV2	332230	337944	9.37%	0.318%
88	10.580	1442	1444	1448	rVB3	369618	305979	8.48%	0.288%
89	10.628	1448	1452	1454	rBV2	1274716	1464615	40.60%	1.377%
90	10.733	1465	1470	1477	rVB2	2590858	3607147	100.00%	3.392%
91	10.810	1481	1483	1486	rBV2	358041	355142	9.85%	0.334%
92	11.169	1541	1544	1546	rBV3	667231	736205	20.41%	0.692%
93	11.198	1546	1549	1551	rVB	1660620	1499845	41.58%	1.410%
94	11.322	1568	1570	1572	rBV	422178	400430	11.10%	0.376%
95	11.357	1572	1576	1579	rVB	3052403	3575791	99.13%	3.362%
96	11.404	1581	1584	1587	rBV	1136624	974848	27.03%	0.917%
97	11.551	1606	1609	1615	rBV3	797781	1357386	37.63%	1.276%
98	11.827	1654	1656	1658	rBV	736052	713097	19.77%	0.670%
99	11.863	1659	1662	1665	rVB	796334	854786	23.70%	0.804%
100	11.945	1674	1676	1678	rBV	730852	575936	15.97%	0.542%

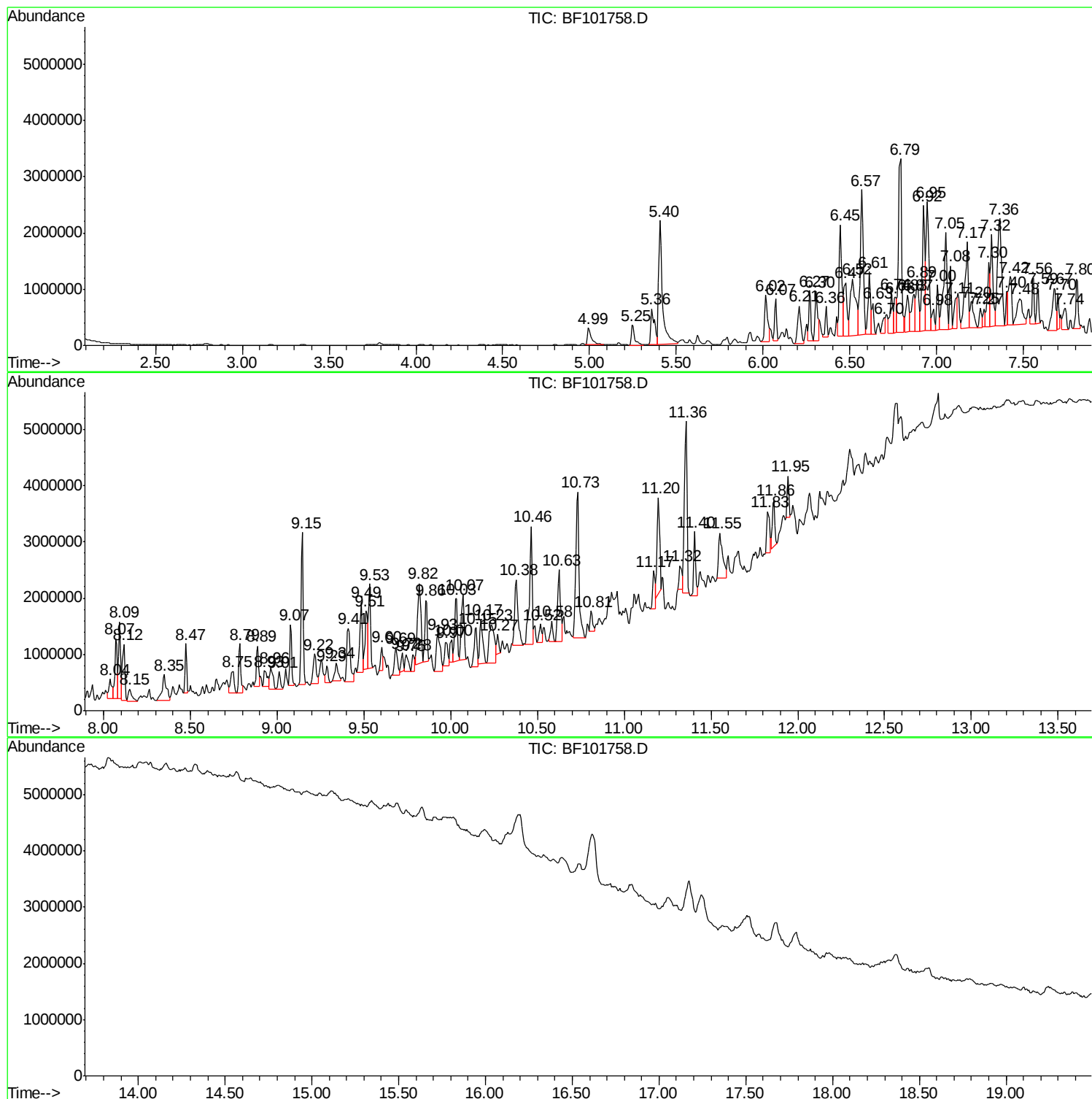
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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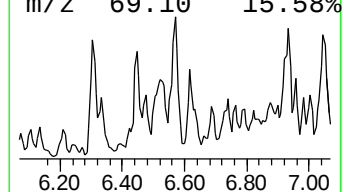
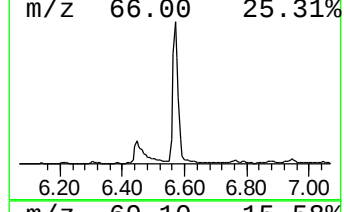
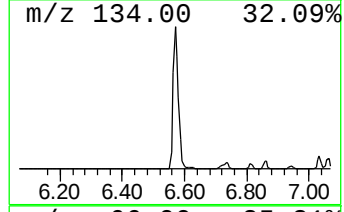
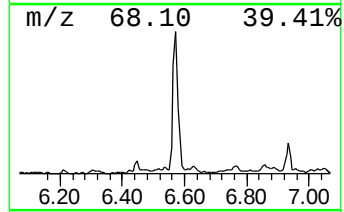
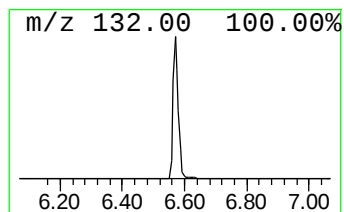
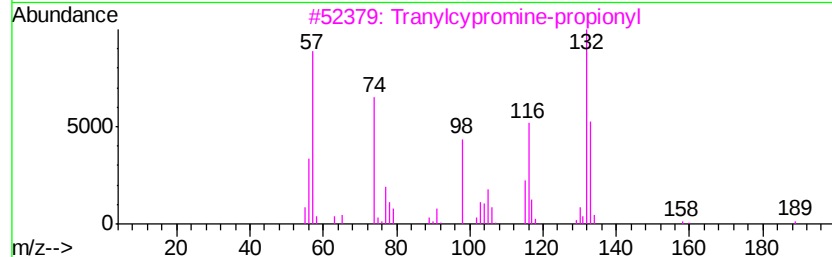
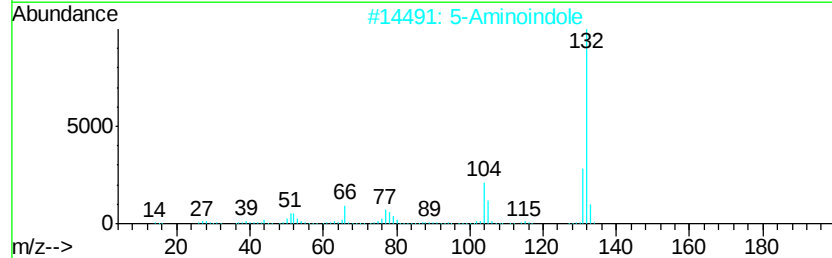
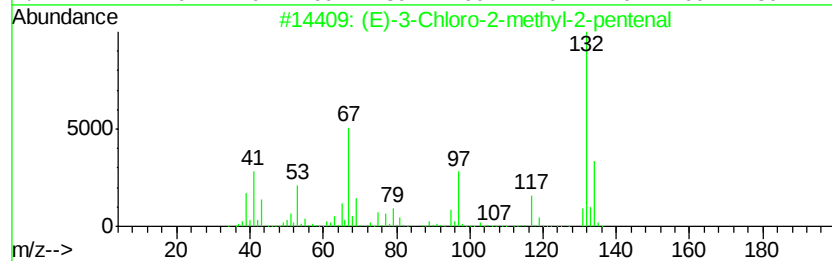
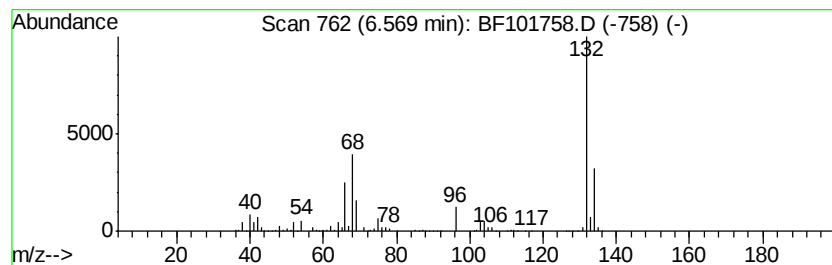
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	20.46 ng	3441370	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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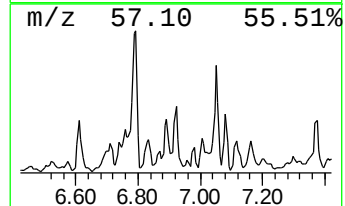
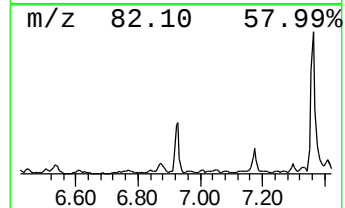
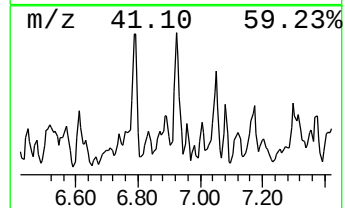
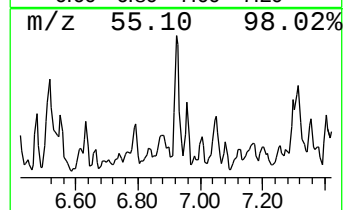
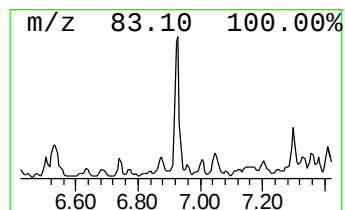
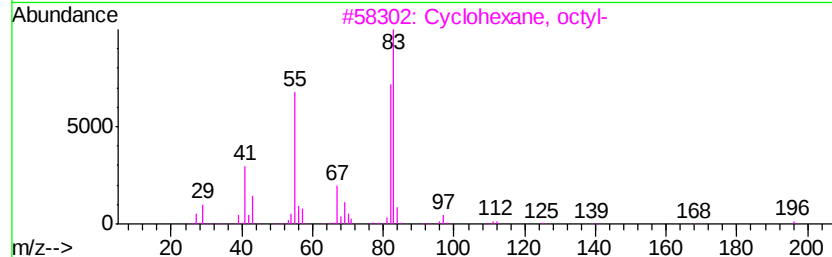
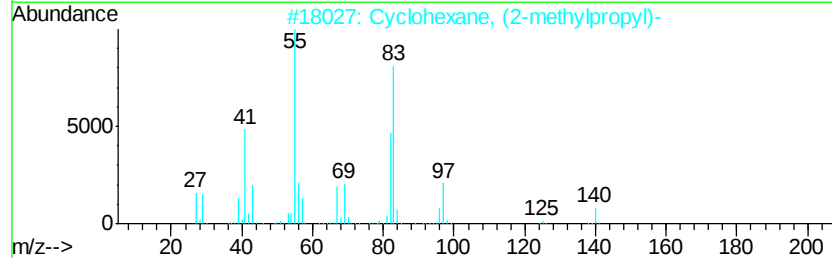
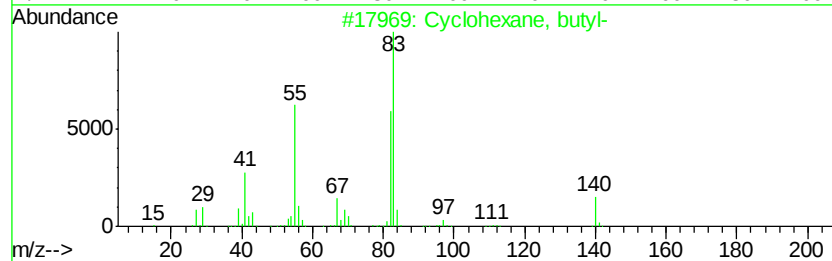
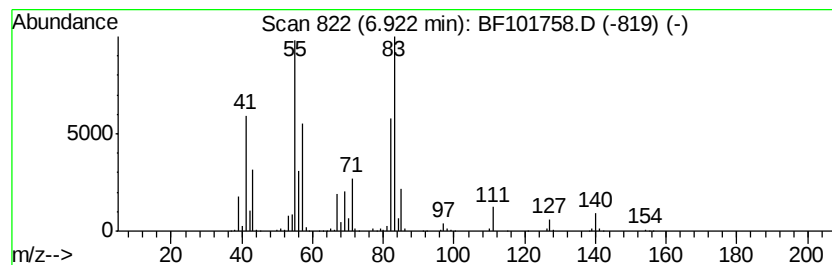
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, butyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	14.40 ng	2421400	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	70
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	53
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	53



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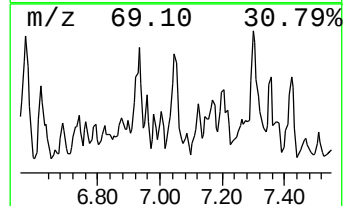
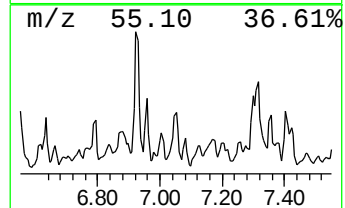
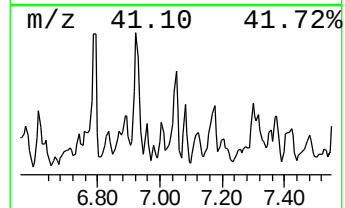
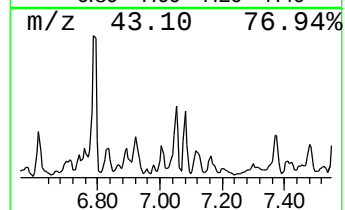
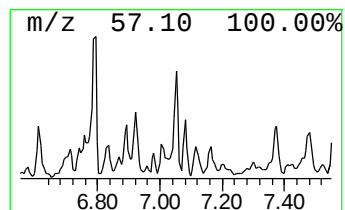
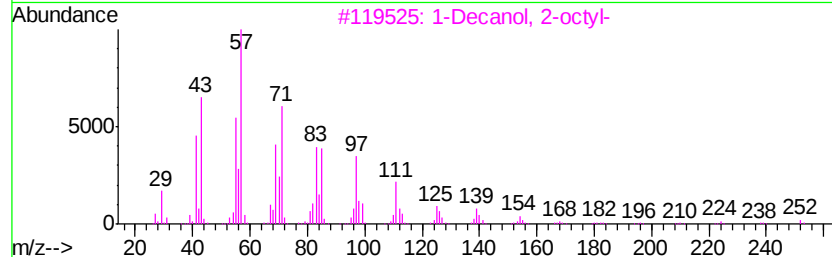
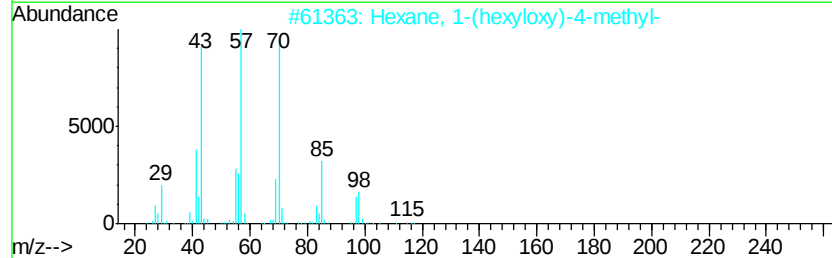
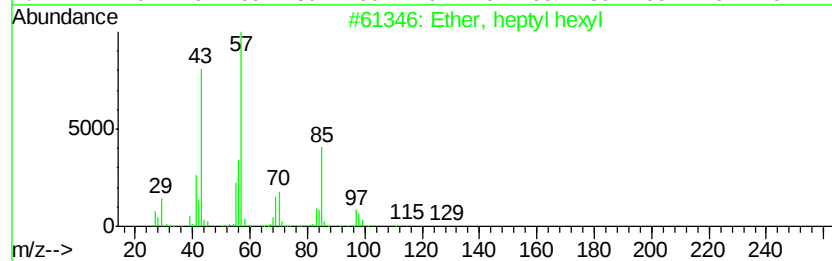
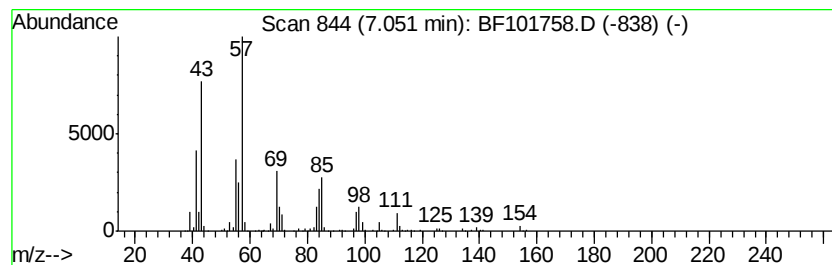
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Ether, heptyl hexyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	14.07 ng	2367040	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	59
2		Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	53
3		1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	50
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
5		1-Undecene, 8-methyl-	168	C12H24	074630-40-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
Acq On : 27 Dec 2017 12:17
Operator : SJ/JU
Sample : I6966-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DB-WW-3-0-4

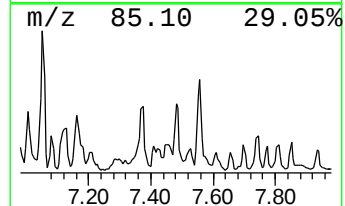
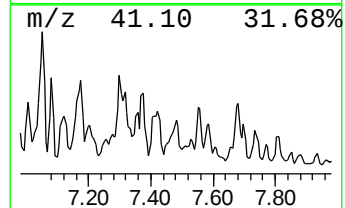
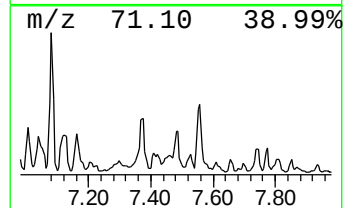
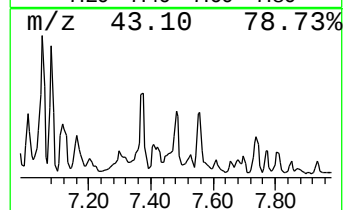
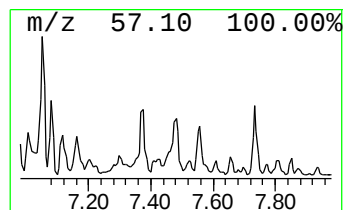
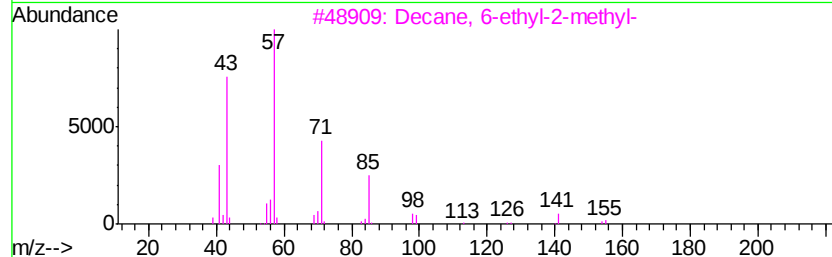
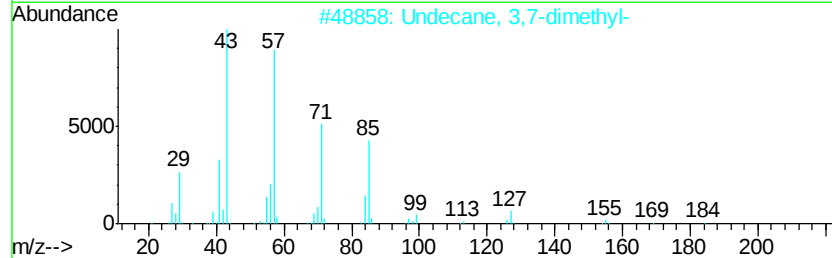
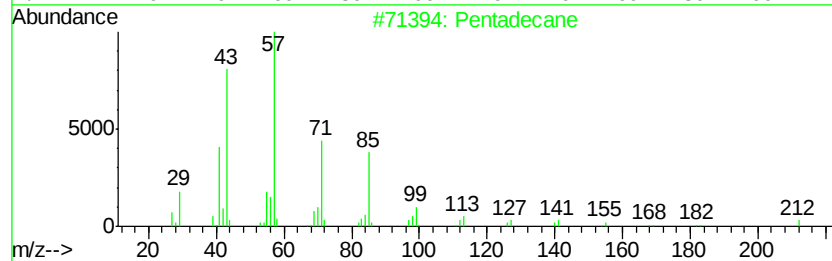
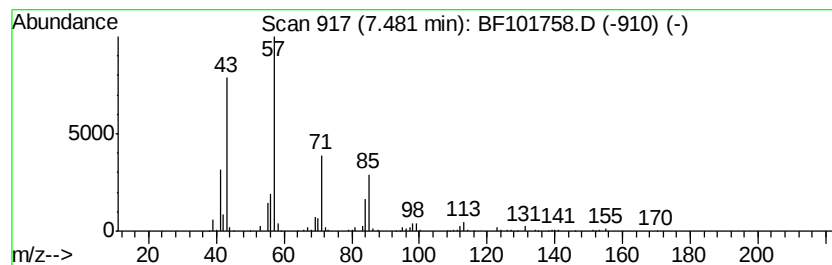
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	19.04 ng	1053270	Napthalene-d8	8.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	78
2	Undecane, 3,7-dimethyl-		184	C13H28	017301-29-0	64
3	Decane, 6-ethyl-2-methyl-		184	C13H28	062108-21-8	64
4	Undecane, 5-methyl-		170	C12H26	001632-70-8	58
5	Heptadecane, 2,6-dimethyl-		268	C19H40	054105-67-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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Acq On : 27 Dec 2017 12:17
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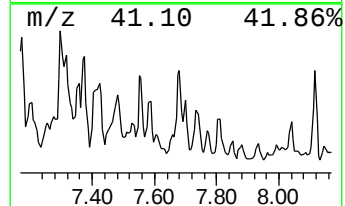
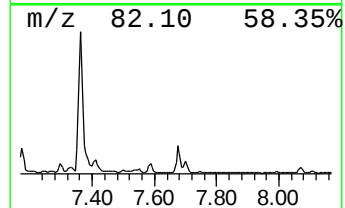
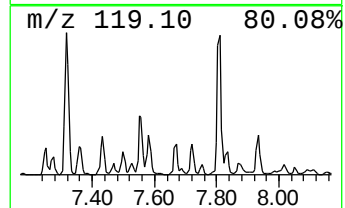
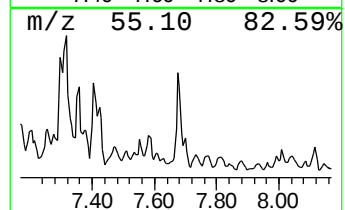
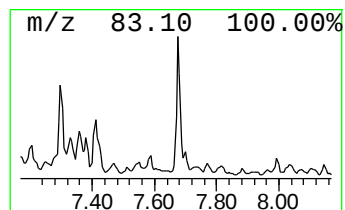
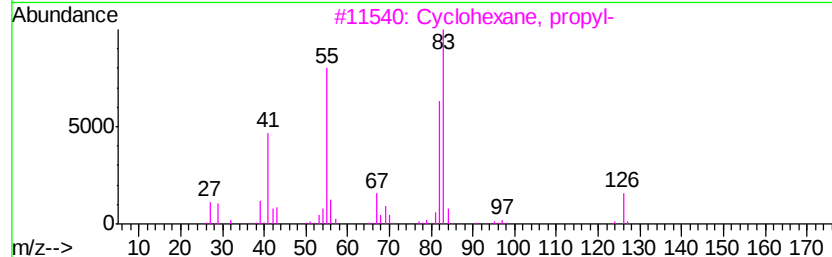
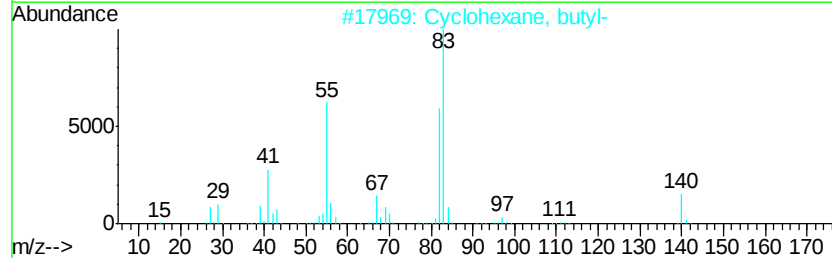
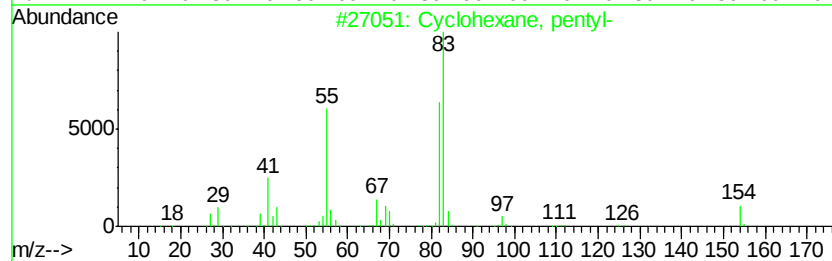
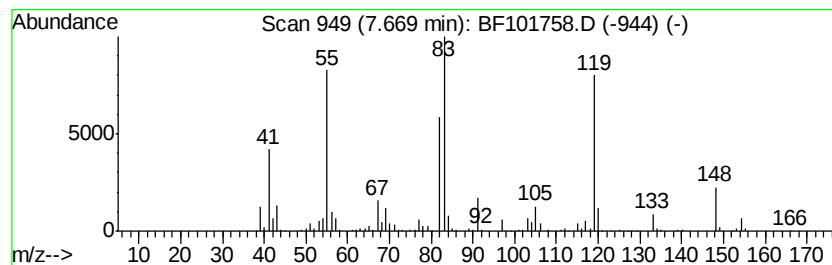
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexane, pentyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	20.37 ng	1126520	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	78
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
Acq On : 27 Dec 2017 12:17
Operator : SJ/JU
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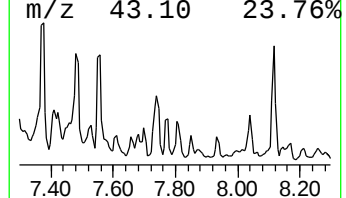
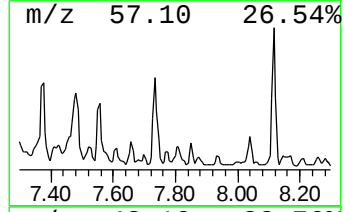
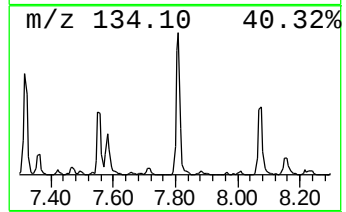
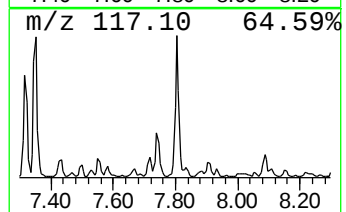
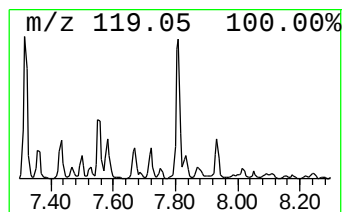
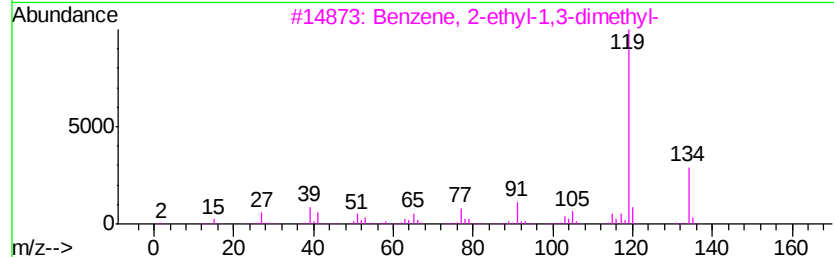
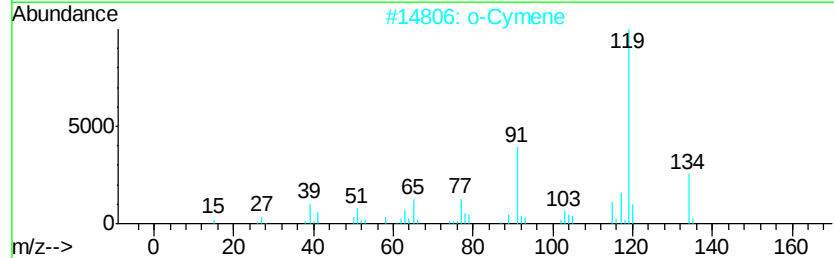
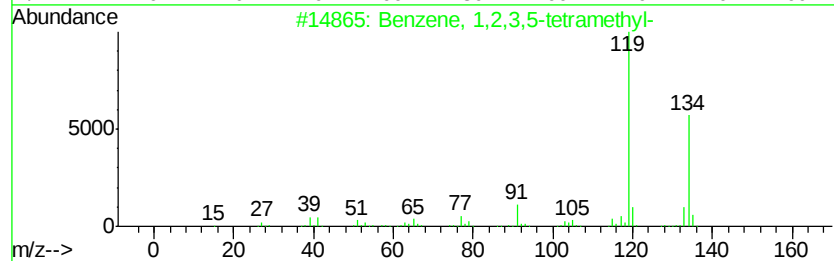
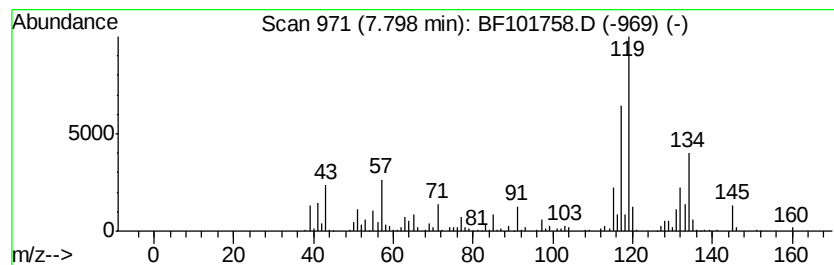
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	15.45 ng	854837	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
2		o-Cymene	134	C10H14	000527-84-4	81
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
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Operator : SJ/JU
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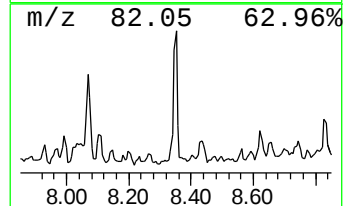
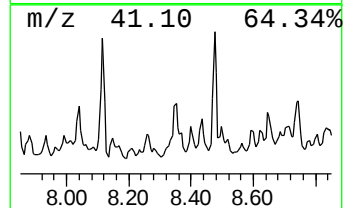
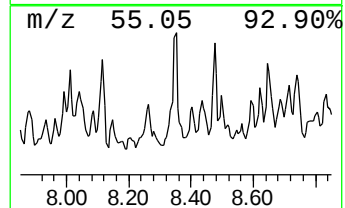
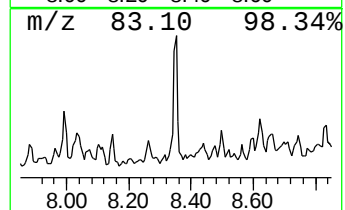
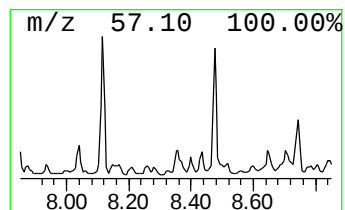
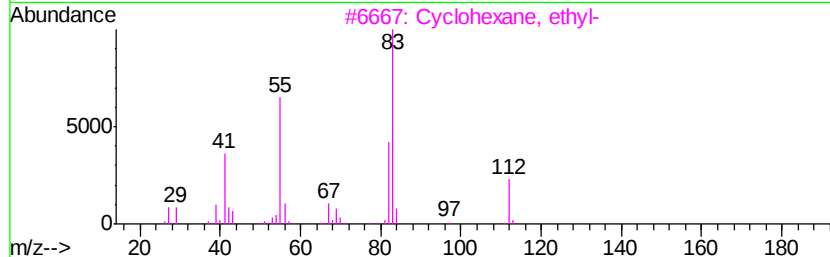
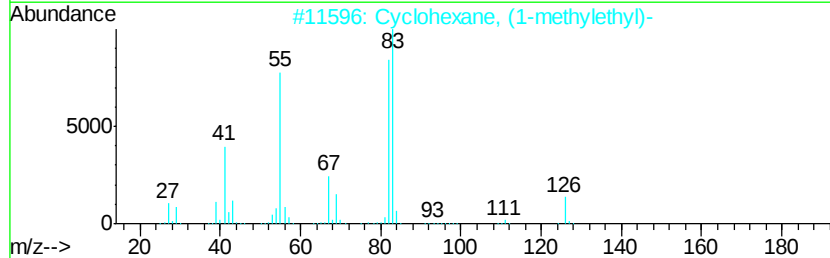
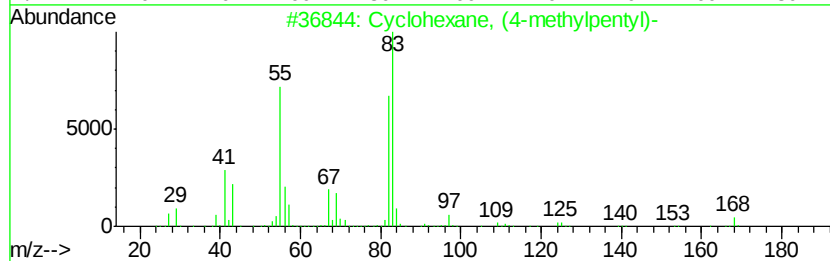
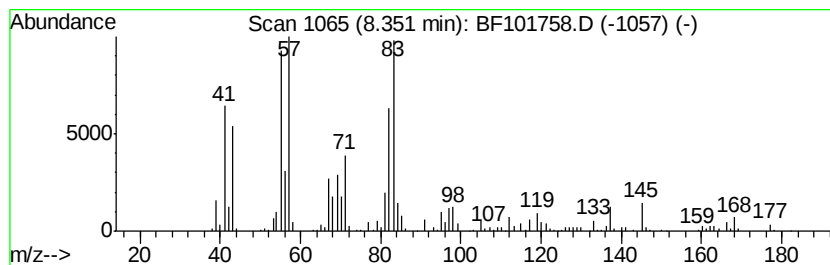
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown8.35 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	14.96 ng	827718	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	43
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
Acq On : 27 Dec 2017 12:17
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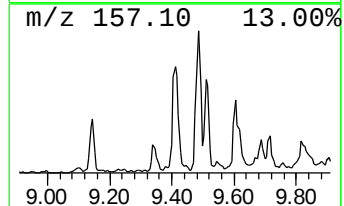
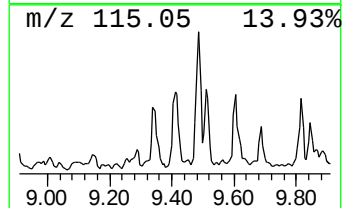
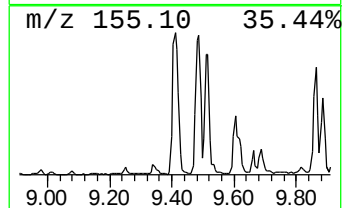
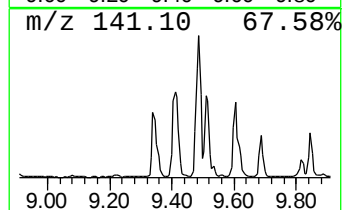
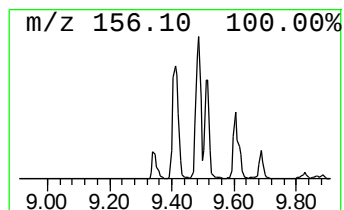
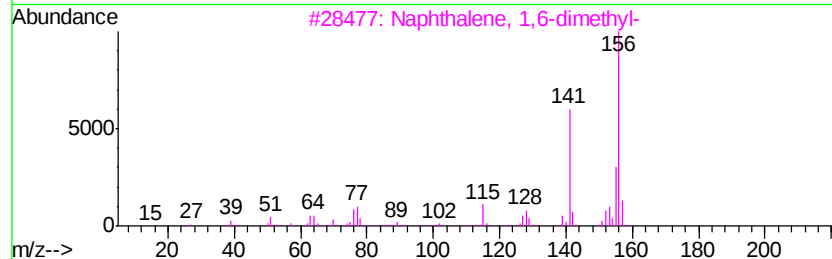
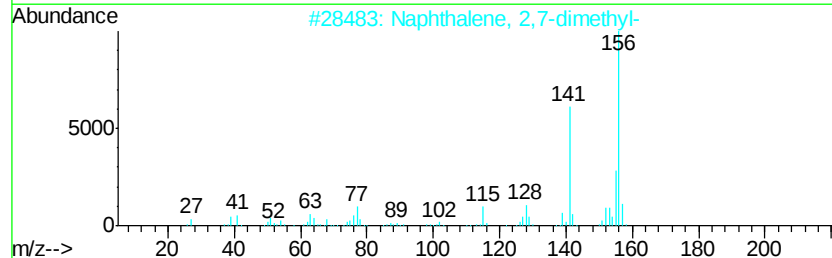
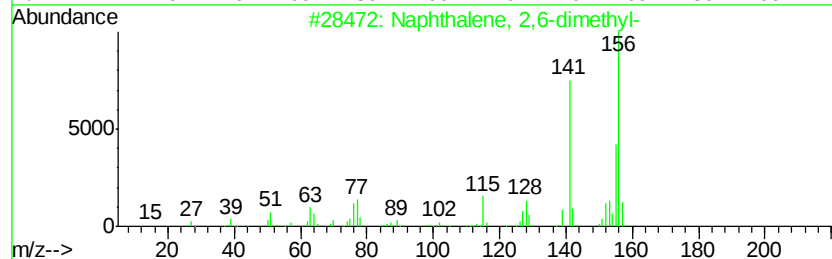
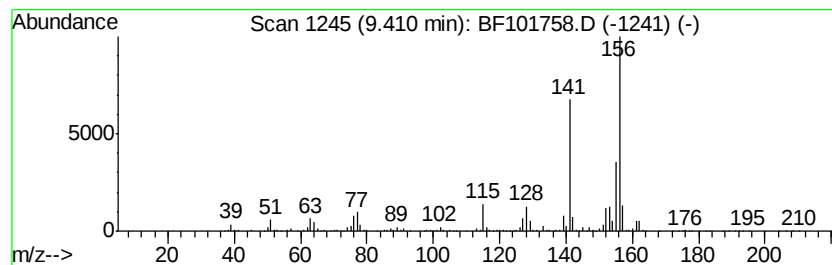
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	16.70 ng	1459240	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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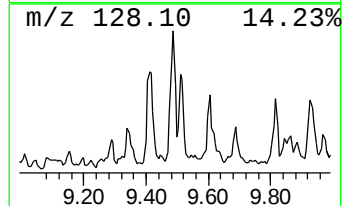
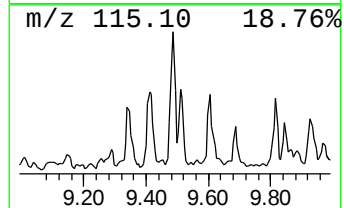
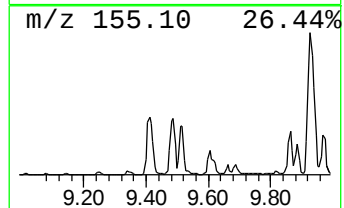
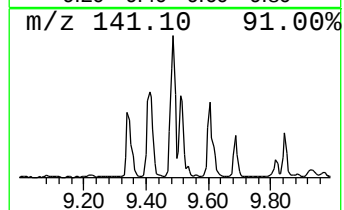
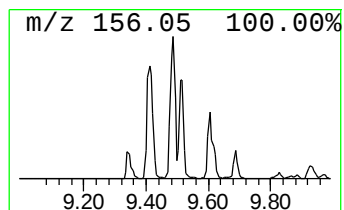
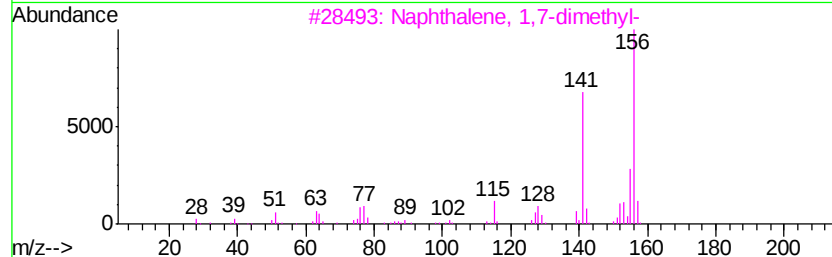
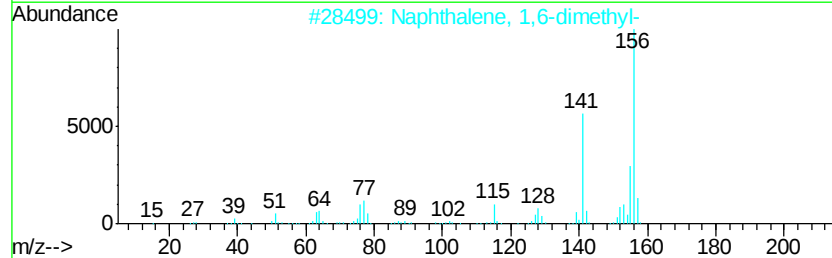
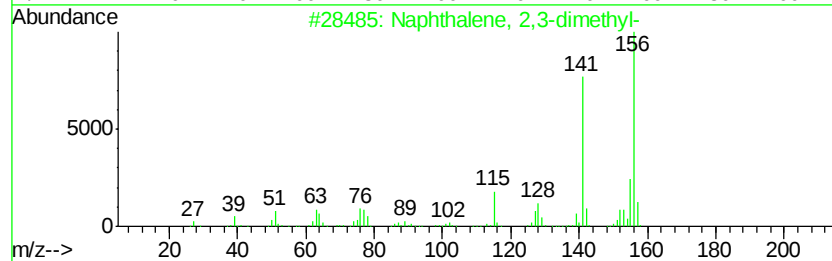
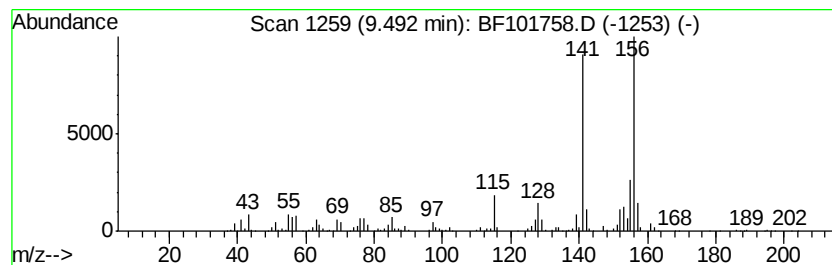
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	15.83 ng	1383140	Acenaphthene-d10	9.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	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, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
Acq On : 27 Dec 2017 12:17
Operator : SJ/JU
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ALS Vial : 37 Sample Multiplier: 1

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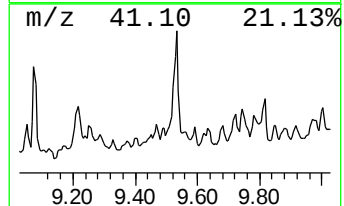
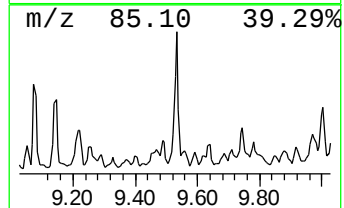
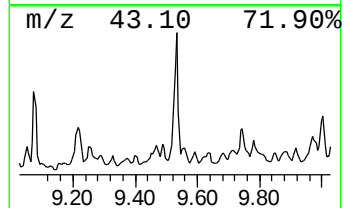
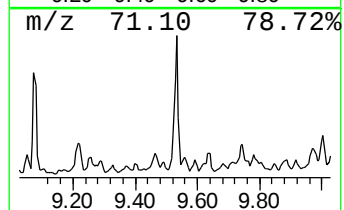
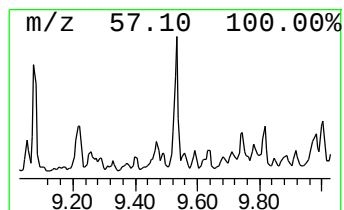
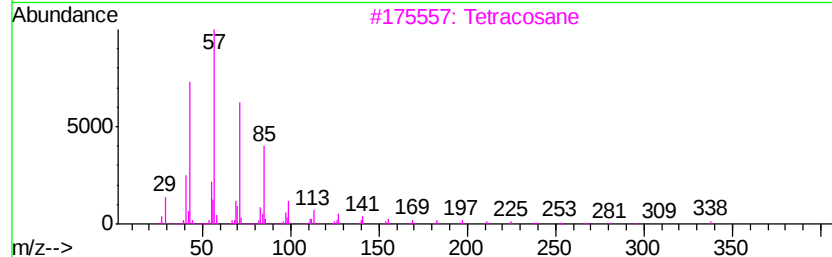
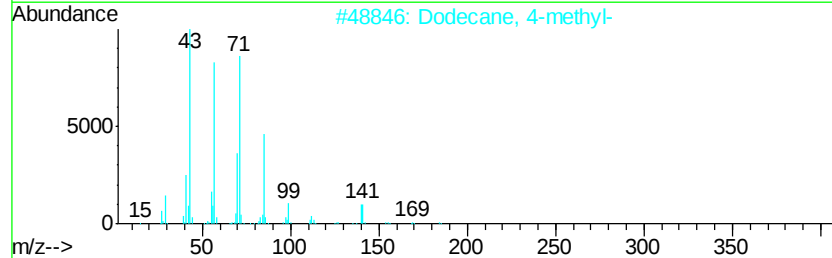
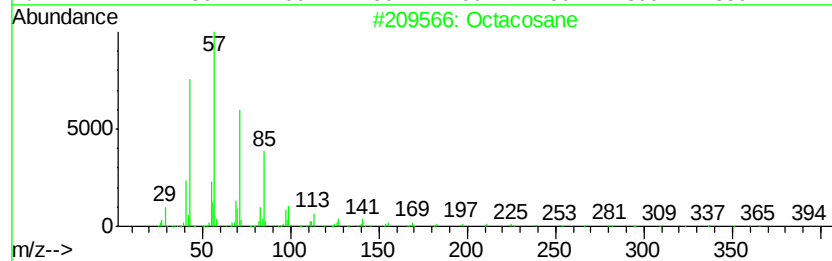
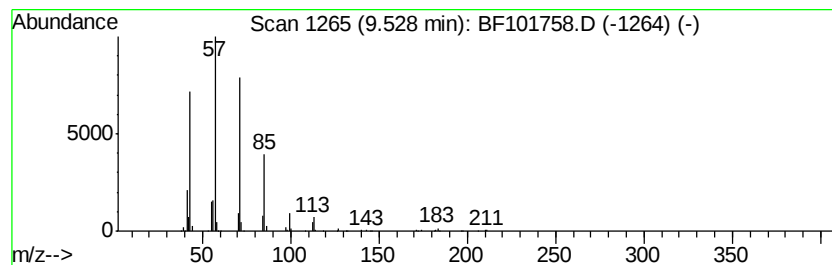
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	14.06 ng	1229000	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Dodecane, 4-methyl-	184	C13H28	006117-97-1	83
3		Tetracosane	338	C24H50	000646-31-1	78
4		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	72
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
Acq On : 27 Dec 2017 12:17
Operator : SJ/JU
Sample : I6966-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

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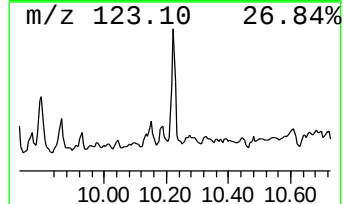
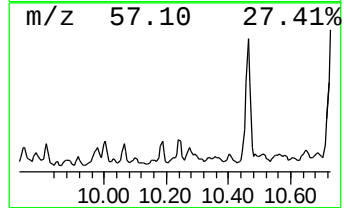
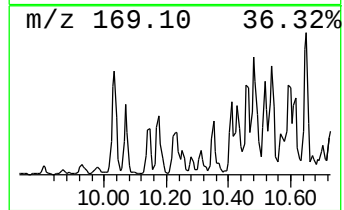
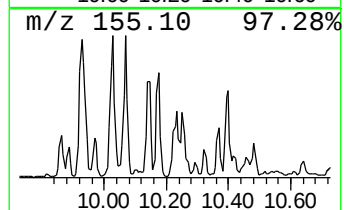
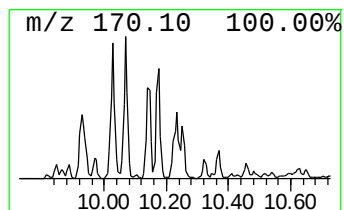
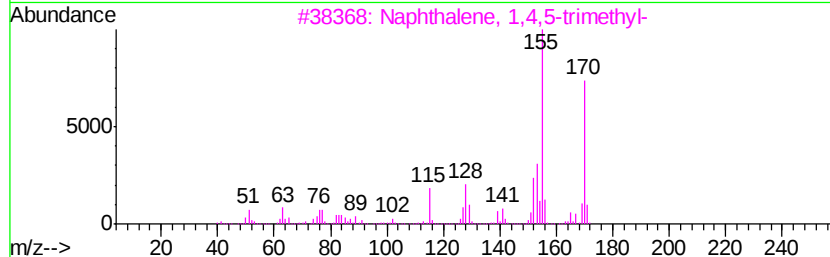
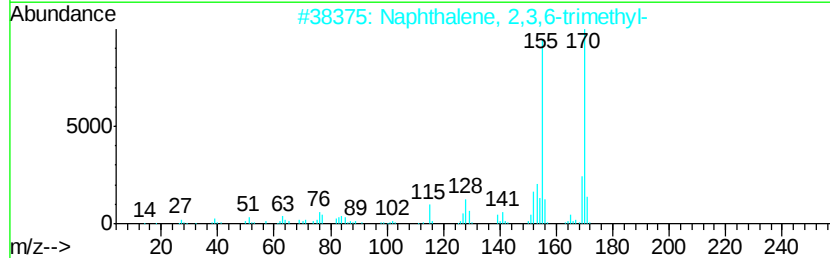
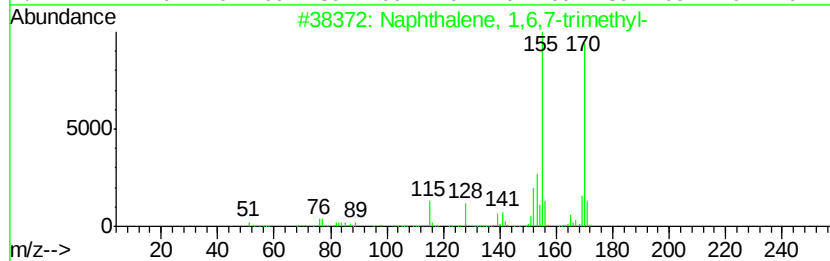
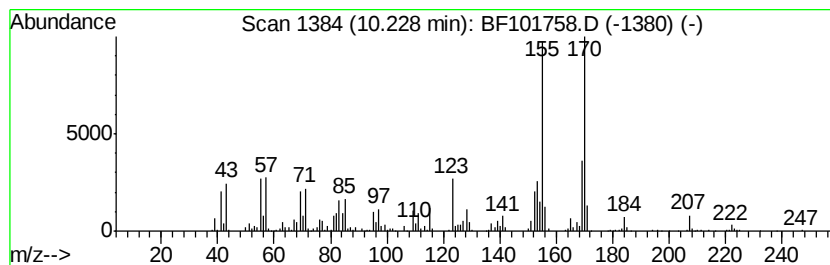
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	16.86 ng	1473220	Acenaphthene-d10	9.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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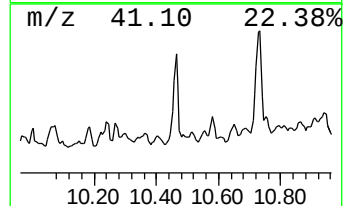
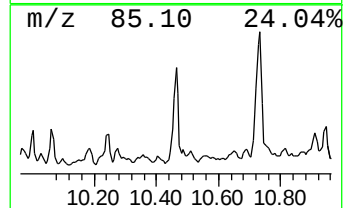
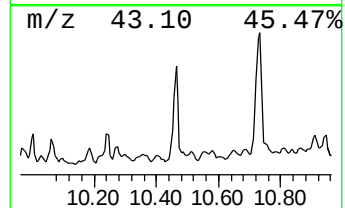
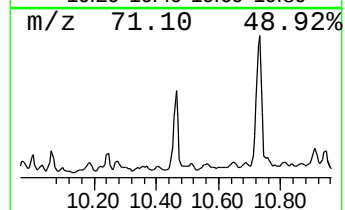
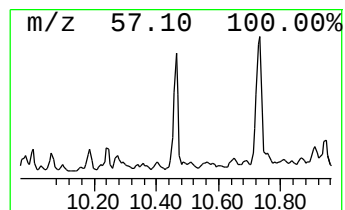
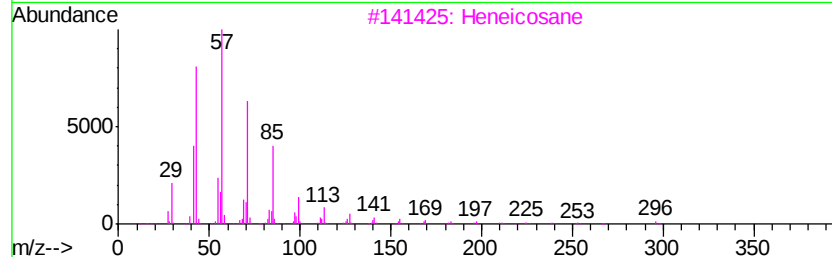
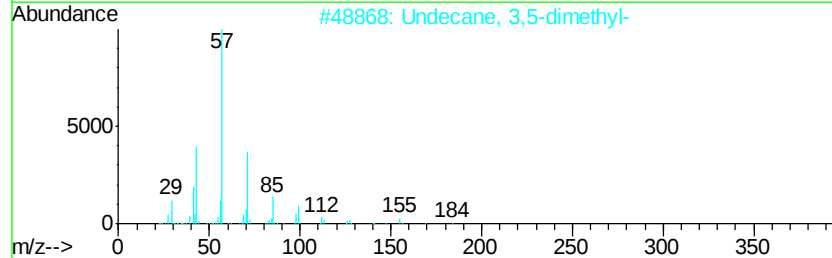
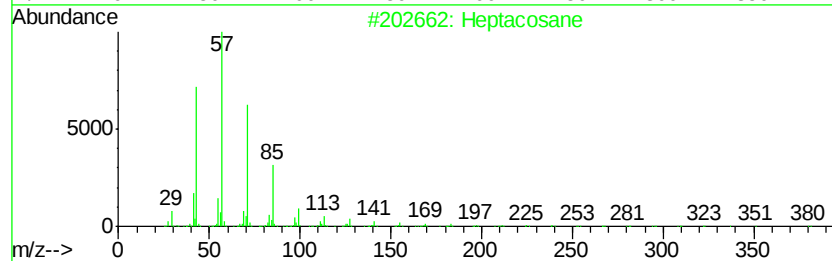
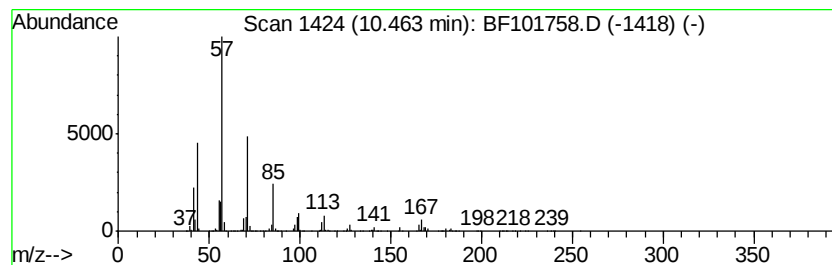
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	26.74 ng	2336990	Acenaphthene-d10	9.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	83
2	Undecane, 3,5-dimethyl-	184 C13H28	017312-81-1	76
3	Heneicosane	296 C21H44	000629-94-7	68
4	Hexadecane	226 C16H34	000544-76-3	64
5	2-Bromo dodecane	248 C12H25Br	013187-99-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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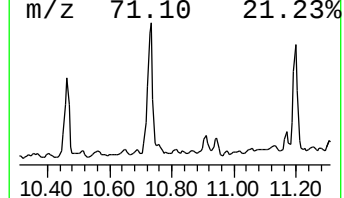
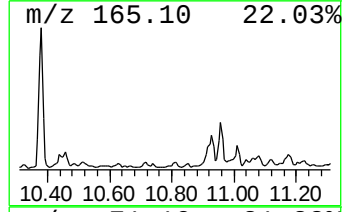
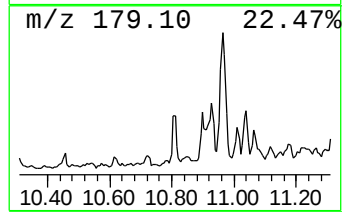
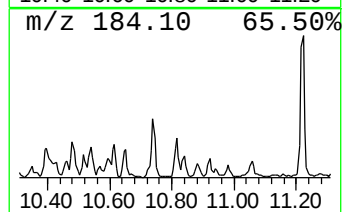
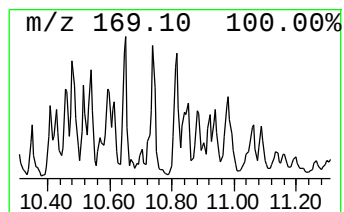
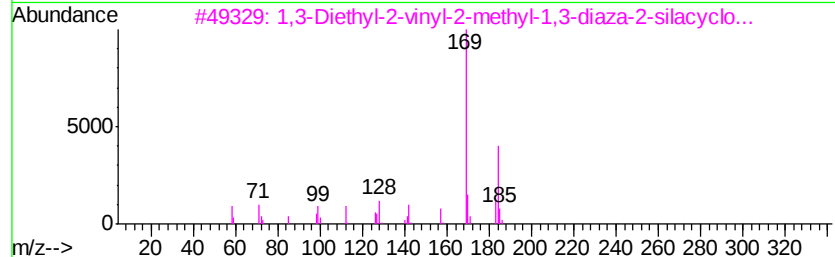
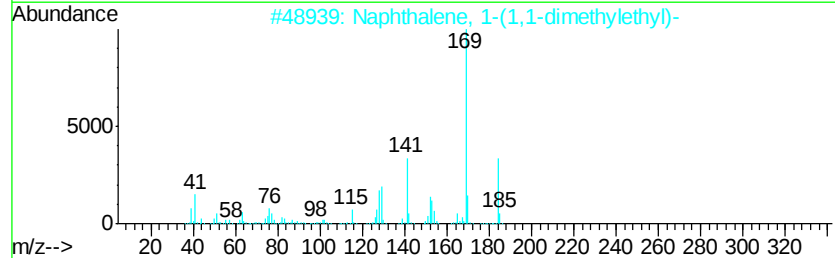
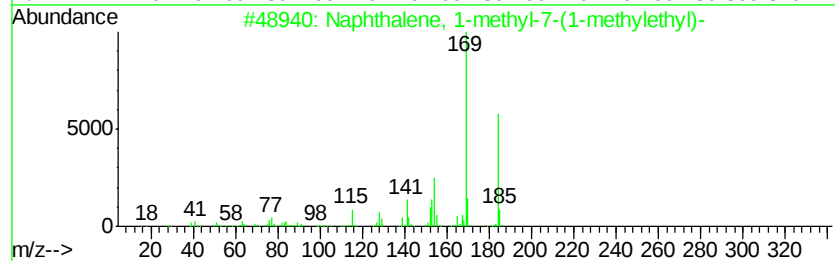
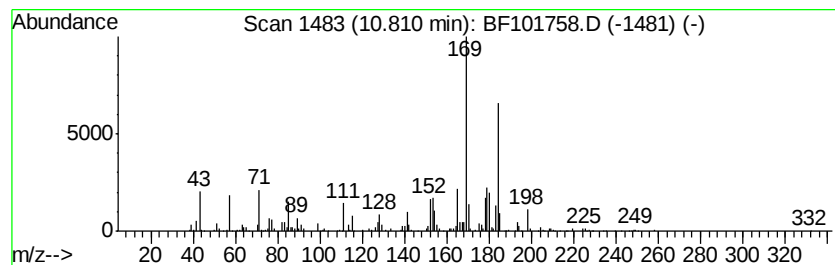
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1-methyl-7-(1-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	17.74 ng	355142	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	53
2		Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	53
3		1,3-Diethyl-2-vinyl-2-methyl-1,3...	184	C9H20N2Si	051169-45-0	52
4		Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	50
5		Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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Acq On : 27 Dec 2017 12:17
Operator : SJ/JU
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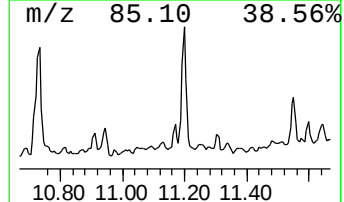
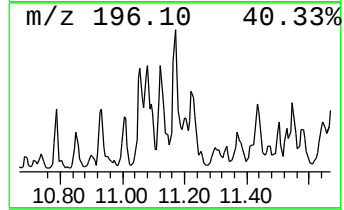
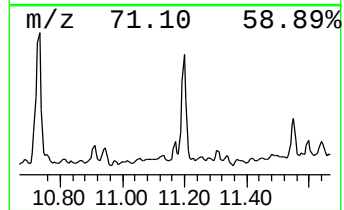
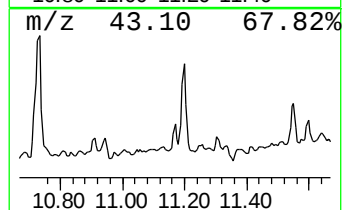
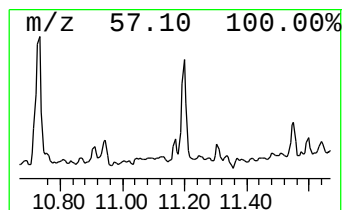
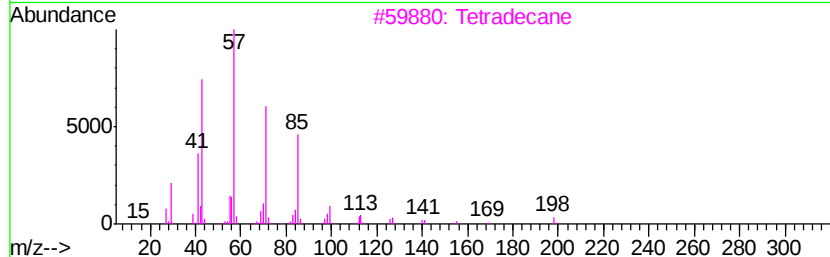
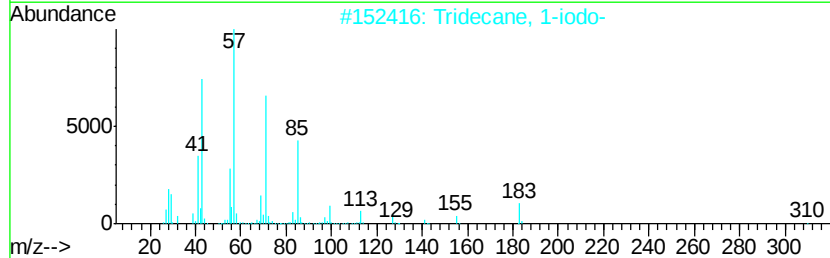
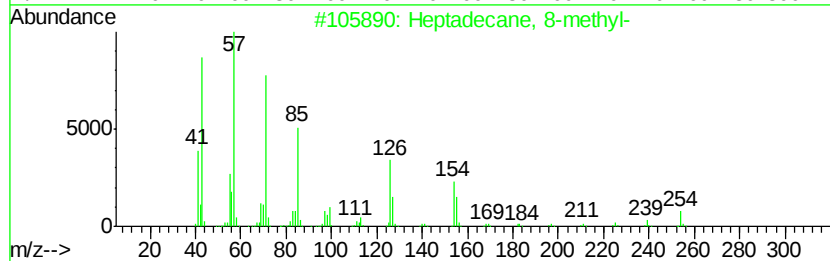
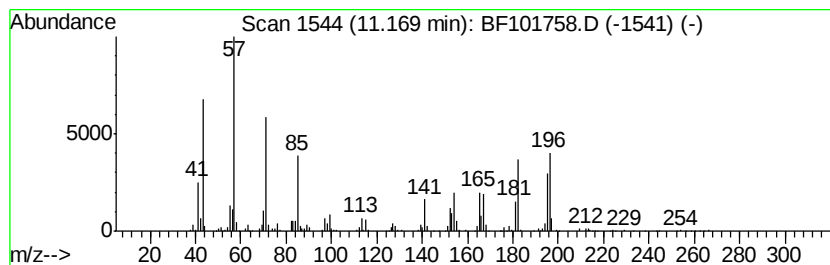
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown11.17 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	36.77 ng	736205	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	27
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	25
3		Tetradecane	198	C14H30	000629-59-4	25
4		Tetracosane	338	C24H50	000646-31-1	25
5		Octacosane	394	C28H58	000630-02-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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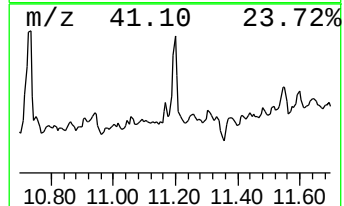
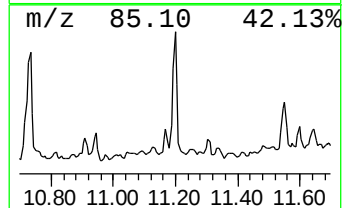
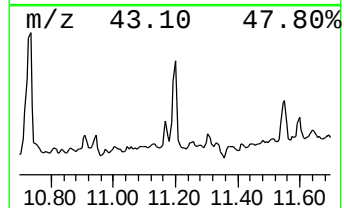
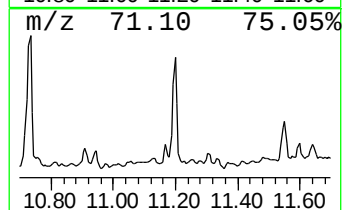
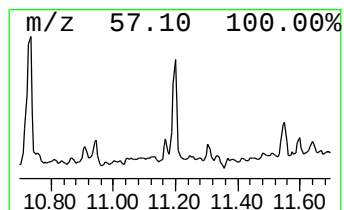
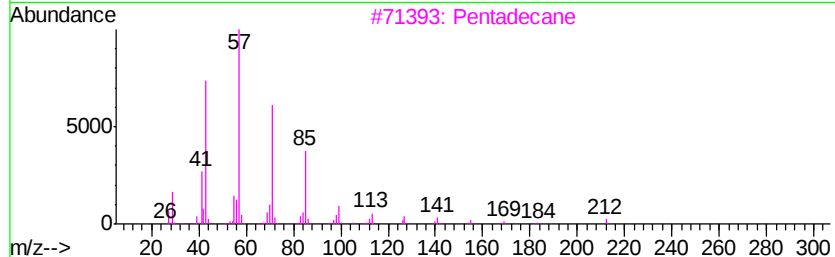
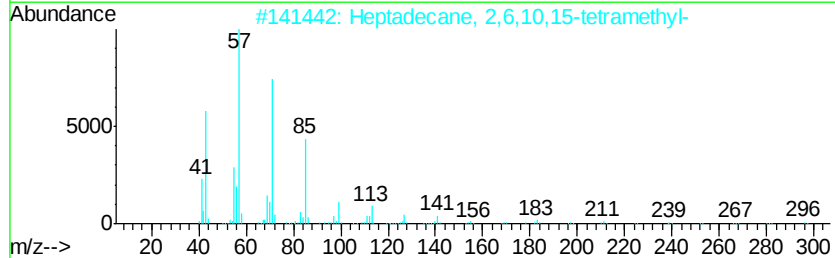
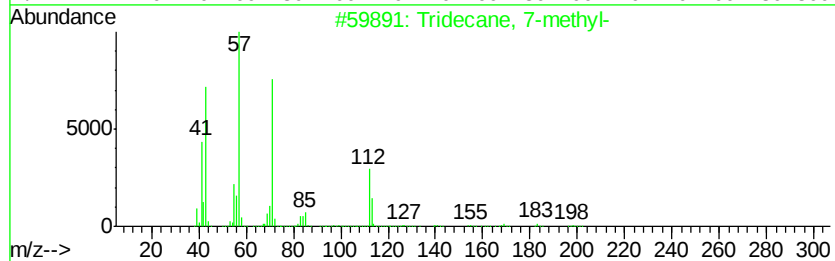
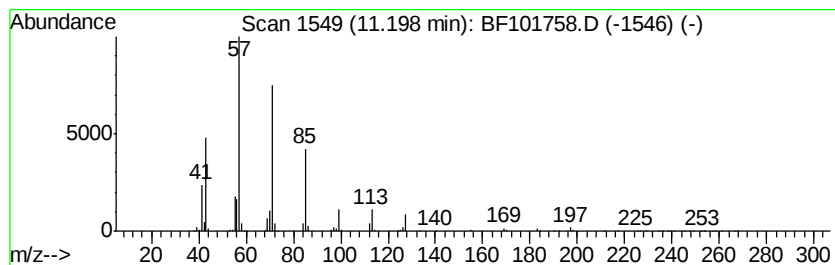
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	74.91 ng	1499850	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	86
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3		Pentadecane	212	C15H32	000629-62-9	83
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5		Decane, 3-methyl-	156	C11H24	013151-34-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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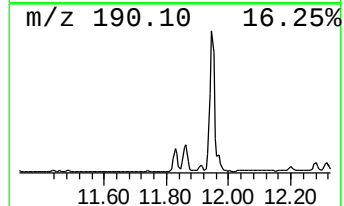
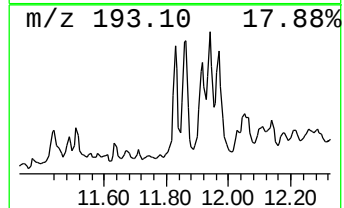
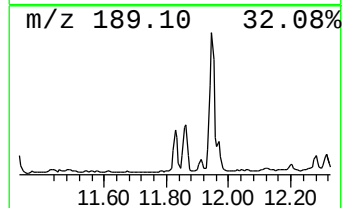
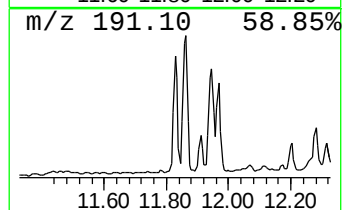
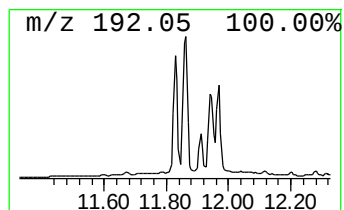
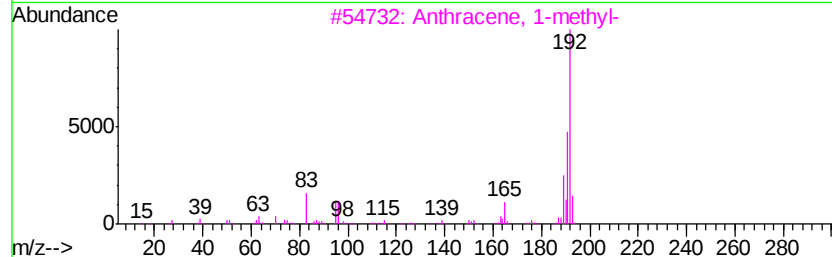
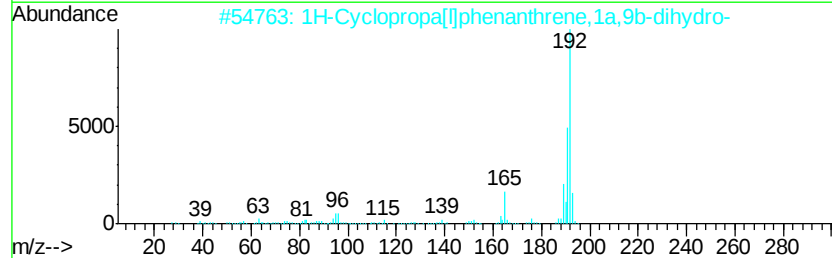
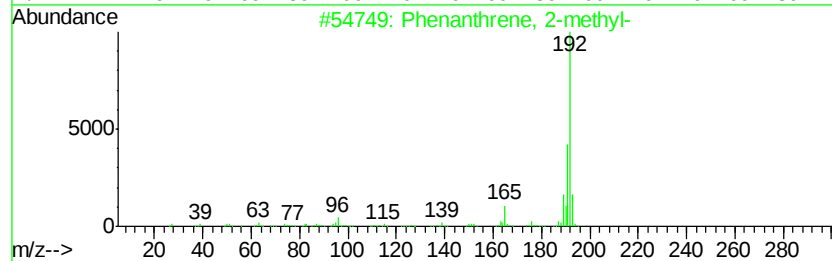
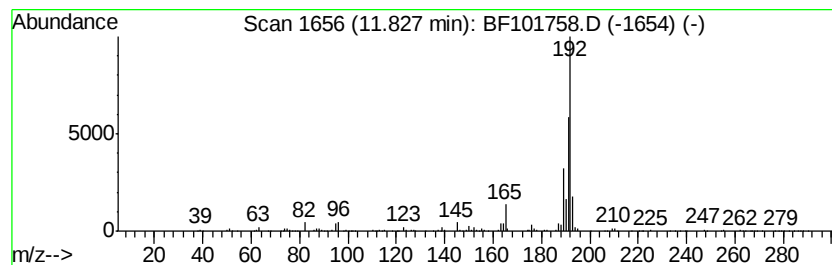
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	35.62 ng	713097	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91



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Misc :
ALS Vial : 37 Sample Multiplier: 1

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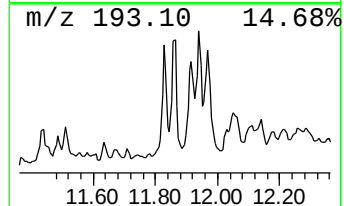
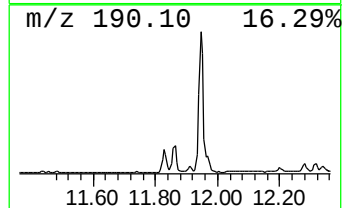
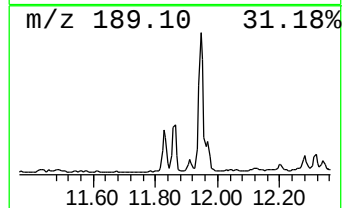
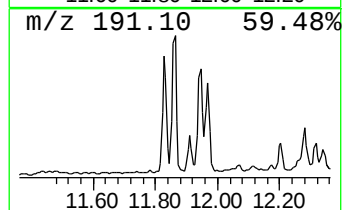
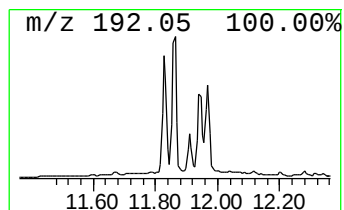
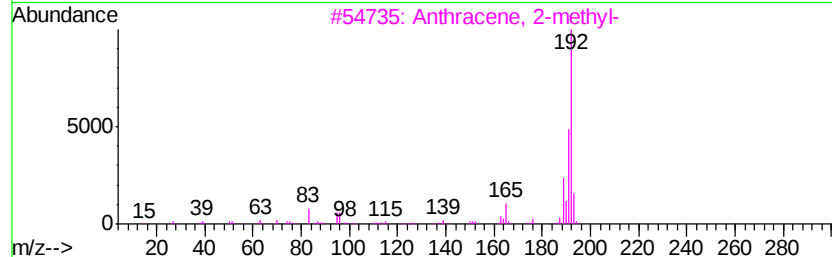
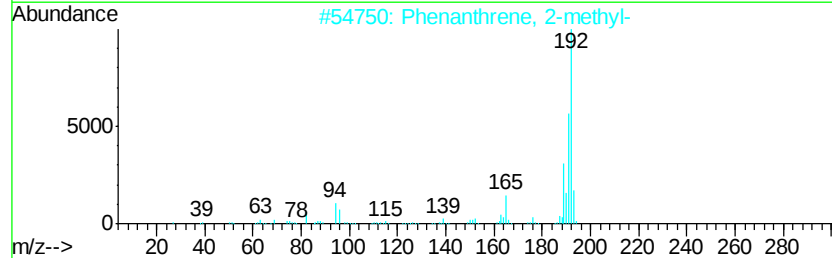
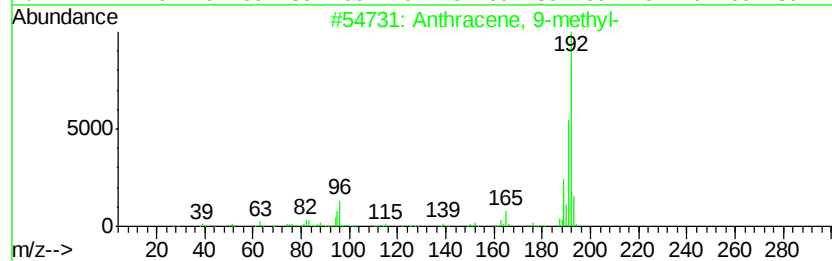
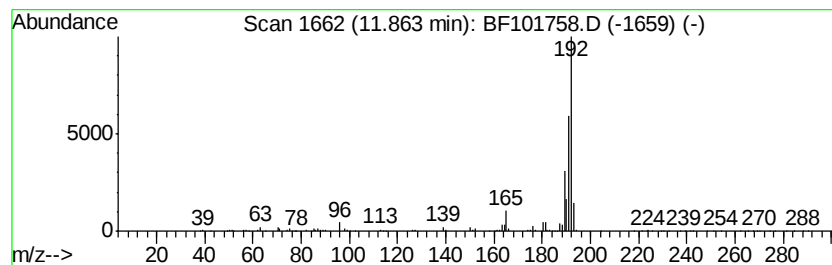
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	42.69 ng	854786	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101758.D
Acq On : 27 Dec 2017 12:17
Operator : SJ/JU
Sample : I6966-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

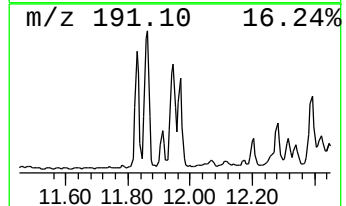
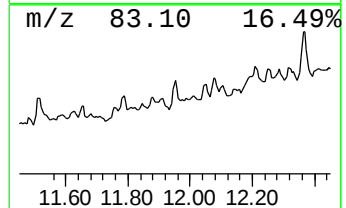
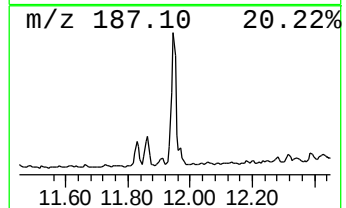
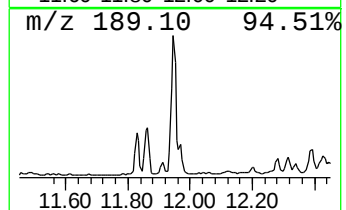
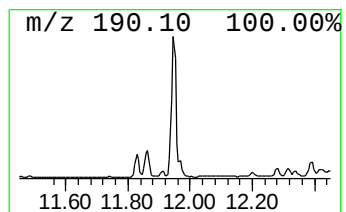
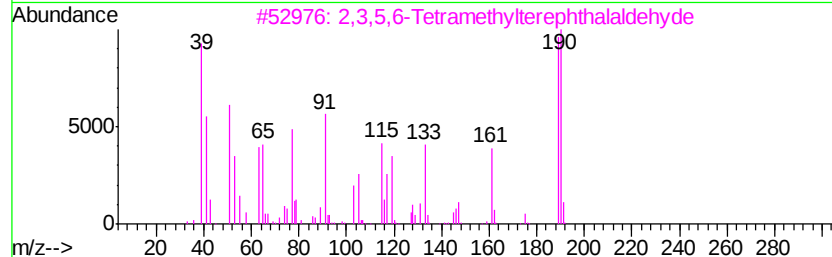
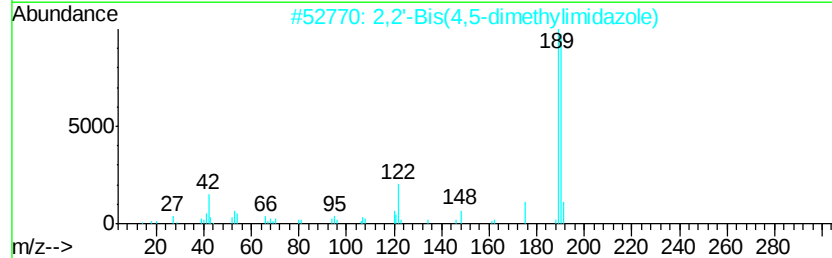
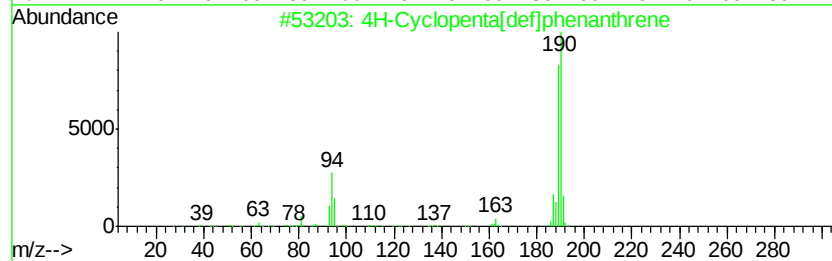
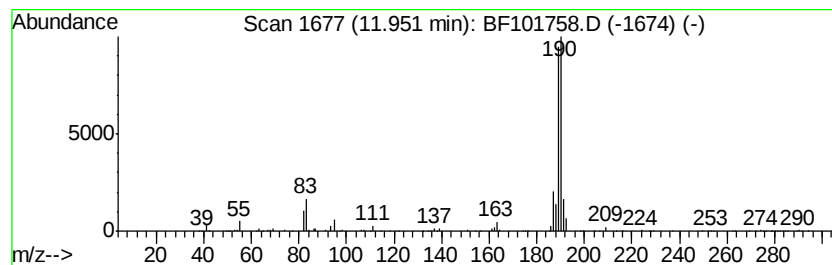
Instrument :
BNA_F
ClientSampleId :
DB-WW-3-0-4

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 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.95	28.77 ng	575936	Phenanthrene-d10	11.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101758.D
 Acq On : 27 Dec 2017 12:17
 Operator : SJ/JU
 Sample : I6966-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4

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
unknown6.57	6.57	20.5	ng	3441370	1	6.79	3363970	20.0
Cyclohexane, butyl-	6.92	14.4	ng	2421400	1	6.79	3363970	20.0
Ether, heptyl hexyl	7.05	14.1	ng	2367040	1	6.79	3363970	20.0
Pentadecane	7.48	19.0	ng	1053270	2	8.07	1106230	20.0
Cyclohexane, pentyl-	7.67	20.4	ng	1126520	2	8.07	1106230	20.0
Benzene, 1,2,3,5-...	7.80	15.4	ng	854837	2	8.07	1106230	20.0
unknown8.35	8.35	15.0	ng	827718	2	8.07	1106230	20.0
Naphthalene, 2,6-...	9.41	16.7	ng	1459240	3	9.83	1747920	20.0
Naphthalene, 2,3-...	9.49	15.8	ng	1383140	3	9.83	1747920	20.0
Octacosane	9.53	14.1	ng	1229000	3	9.83	1747920	20.0
Naphthalene, 1,6,...	10.23	16.9	ng	1473220	3	9.83	1747920	20.0
Heptacosane	10.46	26.7	ng	2336990	3	9.83	1747920	20.0
Naphthalene, 1-me...	10.81	17.7	ng	355142	4	11.32	400430	20.0
unknown11.17	11.17	36.8	ng	736205	4	11.32	400430	20.0
Tridecane, 7-methyl-	11.20	74.9	ng	1499850	4	11.32	400430	20.0
Phenanthrene, 2-m...	11.83	35.6	ng	713097	4	11.32	400430	20.0
Anthracene, 9-met...	11.86	42.7	ng	854786	4	11.32	400430	20.0
4H-Cyclopenta[def...	11.95	28.8	ng	575936	4	11.32	400430	20.0