

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097041.D
 Acq On : 25 Jul 2017 20:53
 Operator : SJ/JU
 Sample : I4369-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1-20170720

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.646	466	469	479	rVB	85197	114018	3.09%	0.284%
2	5.098	542	546	559	rBV	1967520	2002261	54.31%	4.989%
3	6.157	722	726	737	rBV	1506304	1378704	37.40%	3.435%
4	6.269	741	745	749	rVV	2786547	2956600	80.20%	7.367%
5	6.322	752	754	758	rVB	65908	59909	1.63%	0.149%
6	6.457	770	777	780	rBV	89807	86156	2.34%	0.215%
7	6.498	780	784	788	rBV	935574	860658	23.35%	2.145%
8	6.657	806	811	814	rBV	2217689	2335532	63.35%	5.820%
9	6.828	836	840	848	rVB	105187	107457	2.91%	0.268%
10	7.069	872	881	884	rBV	2250399	2556789	69.35%	6.371%
11	7.157	890	896	899	rBV3	49337	63795	1.73%	0.159%
12	7.304	919	921	925	rVB	211615	169432	4.60%	0.422%
13	7.387	932	935	939	rBV	390405	358176	9.72%	0.892%
14	7.439	939	944	946	rBV2	99966	132316	3.59%	0.330%
15	7.510	953	956	958	rBV	335842	368184	9.99%	0.917%
16	7.563	962	965	968	rVB	58454	52746	1.43%	0.131%
17	7.598	968	971	973	rBV2	53646	49787	1.35%	0.124%
18	7.663	979	982	985	rVB	48357	48267	1.31%	0.120%
19	7.751	993	997	998	rVV2	78856	102636	2.78%	0.256%
20	7.781	998	1002	1005	rVV	1616857	1536363	41.67%	3.828%
21	7.810	1005	1007	1008	rVV2	138971	126184	3.42%	0.314%
22	7.834	1008	1011	1012	rVV	247172	247579	6.72%	0.617%
23	7.851	1012	1014	1017	rVV	417183	346087	9.39%	0.862%
24	7.881	1017	1019	1023	rVB	84618	72045	1.95%	0.180%
25	7.981	1032	1036	1040	rBV3	116498	132319	3.59%	0.330%
26	8.028	1040	1044	1047	rVV	96979	90503	2.45%	0.226%
27	8.063	1047	1050	1052	rVV2	68045	70593	1.91%	0.176%
28	8.092	1052	1055	1057	rVV	54011	53715	1.46%	0.134%
29	8.116	1057	1059	1062	rVV	55054	47527	1.29%	0.118%
30	8.175	1064	1069	1072	rVB	204059	223363	6.06%	0.557%
31	8.251	1079	1082	1085	rVB	138475	134467	3.65%	0.335%
32	8.286	1085	1088	1094	rBV2	187240	190994	5.18%	0.476%
33	8.334	1094	1096	1100	rVB2	47774	56405	1.53%	0.141%
34	8.375	1100	1103	1107	rBV2	122299	144394	3.92%	0.360%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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35	8.422	1107	1111	1112	rBV2	79537	112620	3.05%	0.281%
36	8.445	1112	1115	1117	rVB	320472	267850	7.27%	0.667%
37	8.481	1117	1121	1125	rVB4	76509	109461	2.97%	0.273%
38	8.539	1129	1131	1134	rVB2	51678	42068	1.14%	0.105%
39	8.592	1134	1140	1144	rBV4	411592	598399	16.23%	1.491%
40	8.628	1144	1146	1151	rVB2	232575	266901	7.24%	0.665%
41	8.692	1151	1157	1160	rBV4	56345	106180	2.88%	0.265%
42	8.728	1160	1163	1165	rBV3	45193	42052	1.14%	0.105%
43	8.863	1180	1186	1189	rVB	3469405	3686638	100.00%	9.186%
44	8.957	1198	1202	1204	rBV	478920	419419	11.38%	1.045%
45	8.975	1204	1205	1208	rVV2	263970	216997	5.89%	0.541%
46	9.004	1208	1210	1212	rVV	143146	137530	3.73%	0.343%
47	9.028	1212	1214	1217	rVV3	130927	168892	4.58%	0.421%
48	9.063	1217	1220	1223	rVB	159931	157036	4.26%	0.391%
49	9.116	1224	1229	1233	rBV2	213749	277504	7.53%	0.691%
50	9.151	1233	1235	1237	rVV2	57810	42425	1.15%	0.106%
51	9.192	1238	1242	1244	rVV2	393493	443768	12.04%	1.106%
52	9.216	1244	1246	1250	rVB4	244787	316584	8.59%	0.789%
53	9.275	1250	1256	1259	rBV2	91701	144912	3.93%	0.361%
54	9.304	1259	1261	1266	rVB	179356	224856	6.10%	0.560%
55	9.386	1271	1275	1278	rBV2	84169	79108	2.15%	0.197%
56	9.439	1280	1284	1290	rVB8	38227	58322	1.58%	0.145%
57	9.528	1294	1299	1302	rBV	1553429	1473744	39.98%	3.672%
58	9.569	1302	1306	1311	rVV5	156767	269082	7.30%	0.670%
59	9.639	1314	1318	1321	rVV	162518	197512	5.36%	0.492%
60	9.681	1321	1325	1329	rVV4	155135	262005	7.11%	0.653%
61	9.728	1330	1333	1337	rVV	311242	349340	9.48%	0.870%
62	9.775	1337	1341	1344	rVB2	106608	133222	3.61%	0.332%
63	9.845	1349	1353	1356	rBV2	164798	189463	5.14%	0.472%
64	9.957	1370	1372	1376	rVB2	70120	62080	1.68%	0.155%
65	10.033	1380	1385	1388	rVB5	78617	117658	3.19%	0.293%
66	10.069	1388	1391	1393	rBV3	137603	118844	3.22%	0.296%
67	10.092	1393	1395	1398	rBV3	53902	58886	1.60%	0.147%
68	10.133	1398	1402	1404	rBV	310694	282142	7.65%	0.703%
69	10.228	1415	1418	1423	rVB2	163953	199010	5.40%	0.496%
70	10.275	1423	1426	1428	rVV4	42668	47901	1.30%	0.119%
71	10.316	1428	1433	1437	rVV	1992291	2316215	62.83%	5.771%

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72	10.357	1437	1440	1444	rVB3	96326	102757	2.79%	0.256%
73	10.404	1445	1448	1451	rVV	53411	59654	1.62%	0.149%
74	10.439	1451	1454	1456	rVV	68490	66913	1.82%	0.167%
75	10.604	1480	1482	1486	rVB3	54394	64389	1.75%	0.160%
76	10.645	1486	1489	1492	rBV	172019	162370	4.40%	0.405%
77	10.698	1495	1498	1501	rVB2	66146	65734	1.78%	0.164%
78	10.751	1504	1507	1508	rBV2	70594	68661	1.86%	0.171%
79	10.857	1522	1525	1528	rBV2	44481	56581	1.53%	0.141%
80	10.892	1528	1531	1538	rVB	246427	257529	6.99%	0.642%
81	10.957	1539	1542	1544	rBV2	43611	41842	1.13%	0.104%
82	10.998	1544	1549	1551	rVV	1301018	1209518	32.81%	3.014%
83	11.022	1551	1553	1556	rVB	653122	491513	13.33%	1.225%
84	11.110	1566	1568	1571	rBV2	150174	144149	3.91%	0.359%
85	11.327	1600	1605	1608	rBV	113821	115074	3.12%	0.287%
86	11.363	1608	1611	1613	rVV2	55425	65160	1.77%	0.162%
87	11.410	1616	1619	1622	rVV	75708	89179	2.42%	0.222%
88	11.457	1624	1627	1630	rVB2	58078	59217	1.61%	0.148%
89	11.498	1630	1634	1637	rBV	201151	198050	5.37%	0.493%
90	11.527	1637	1639	1641	rVV	197424	160429	4.35%	0.400%
91	11.551	1641	1643	1649	rVV2	168022	184198	5.00%	0.459%
92	11.604	1649	1652	1654	rVV2	75805	78951	2.14%	0.197%
93	11.633	1654	1657	1660	rVB	70808	65567	1.78%	0.163%
94	11.886	1697	1700	1703	rVB	146316	126972	3.44%	0.316%
95	11.922	1703	1706	1708	rBV	113938	97893	2.66%	0.244%
96	12.045	1722	1727	1730	rBV3	73731	90189	2.45%	0.225%
97	12.333	1774	1776	1781	rVB3	50393	51626	1.40%	0.129%
98	12.586	1814	1819	1822	rBV	2694983	3153706	85.54%	7.858%
99	13.621	1991	1995	2007	rVB	950832	938592	25.46%	2.339%
100	14.968	2220	2224	2229	rBV	558525	593690	16.10%	1.479%

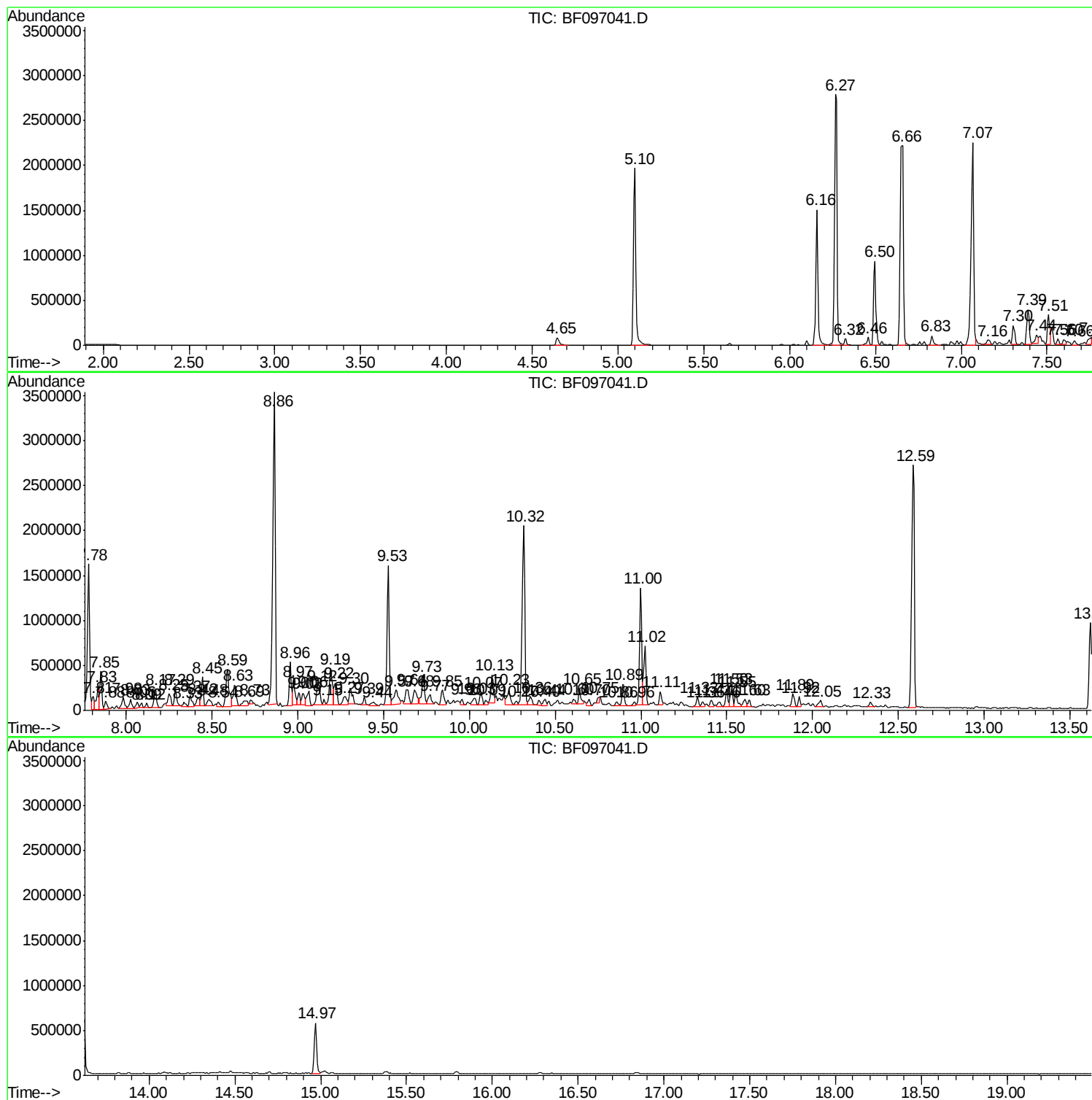
Sum of corrected areas: 40132690

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

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



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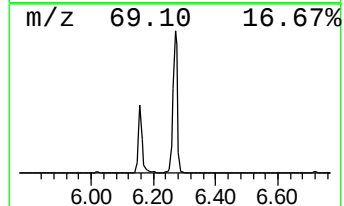
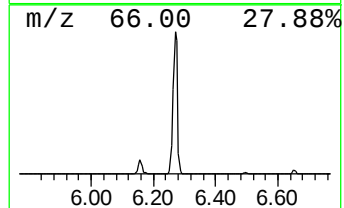
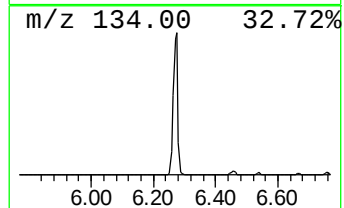
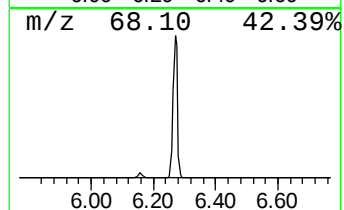
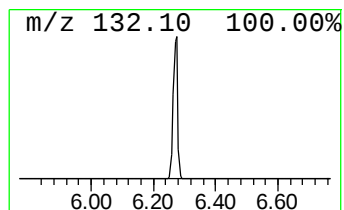
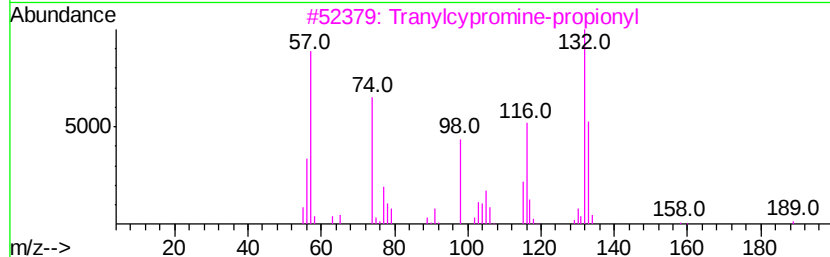
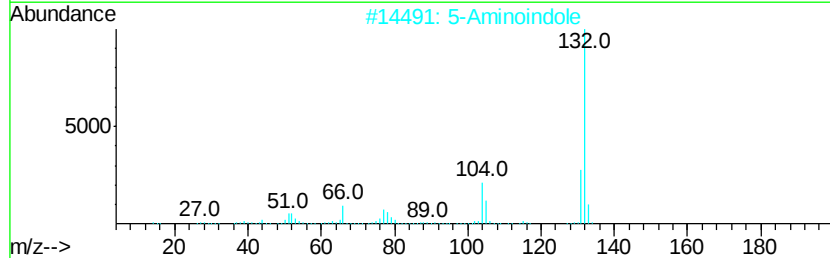
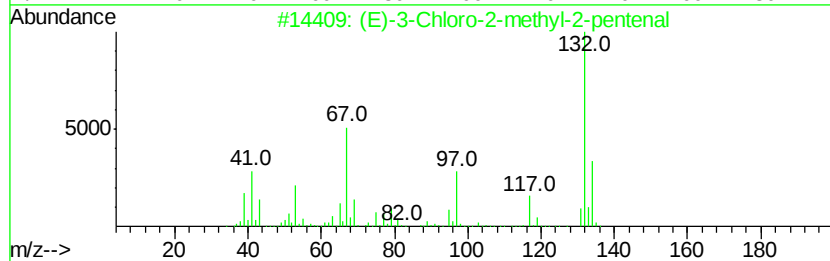
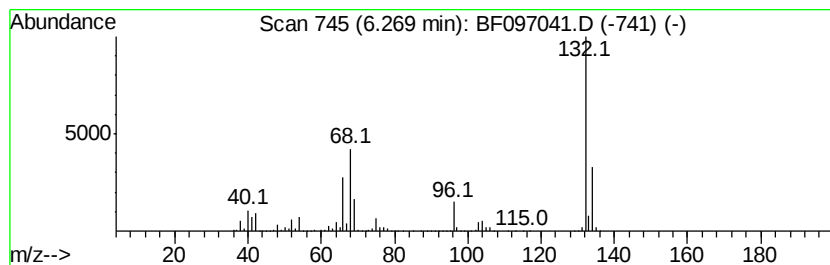
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.27 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	68.71 ng	2956600	1,4-Dichlorobenzene-d4	6.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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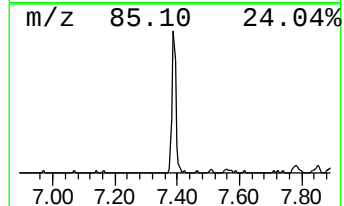
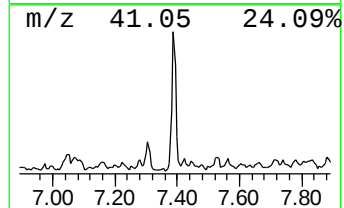
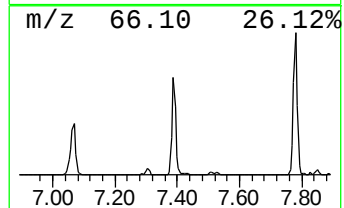
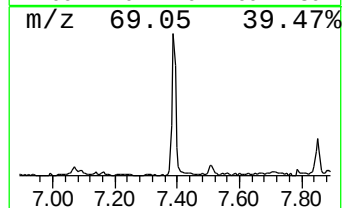
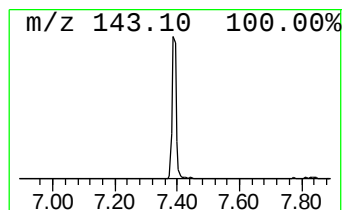
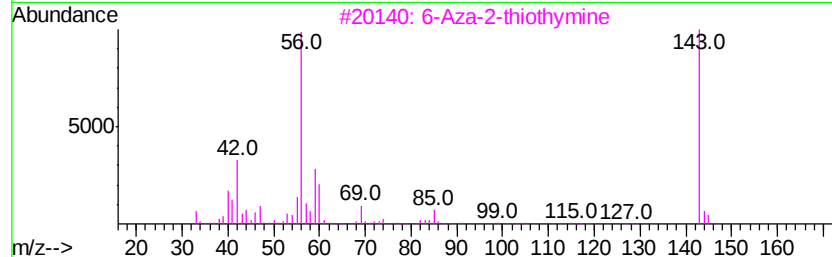
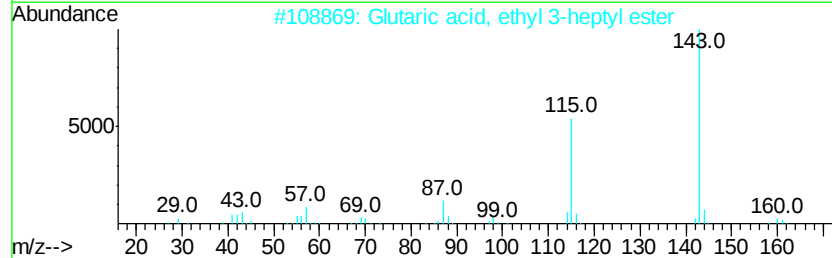
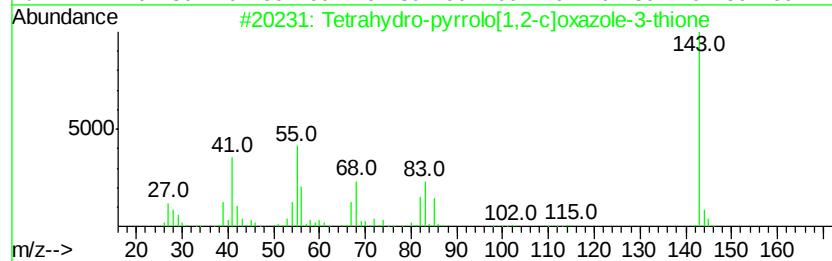
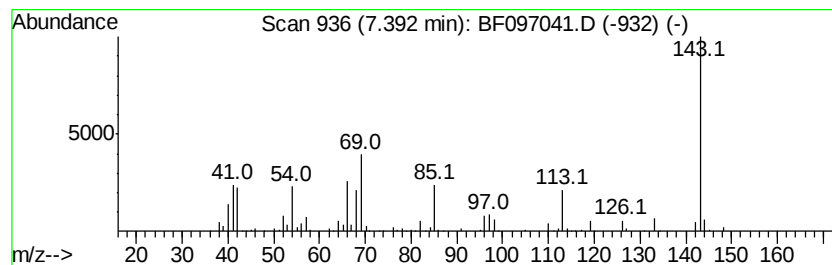
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.39 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.39	4.66 ng	358176	Naphthalene-d8	7.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
2	Glutaric acid, ethyl 3-heptyl ester	258	C14H26O4	1000359-73-0	12
3	6-Aza-2-thiothymine	143	C4H5N3OS	000615-76-9	12
4	Glutaric acid, ethyl 4-heptyl ester	258	C14H26O4	1000359-45-2	12
5	2-Naphthalenamine	143	C10H9N	000091-59-8	10



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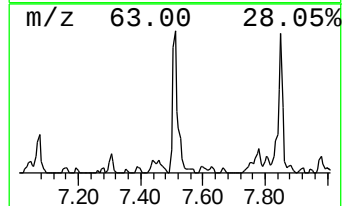
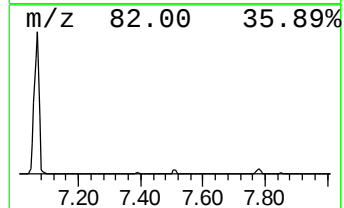
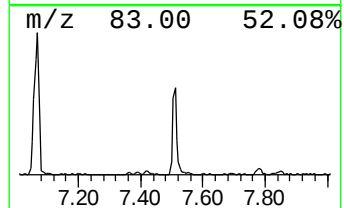
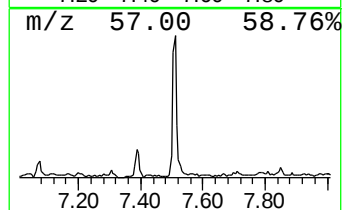
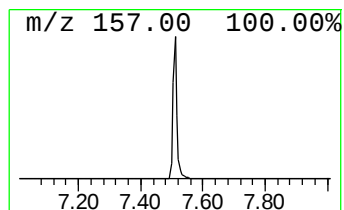
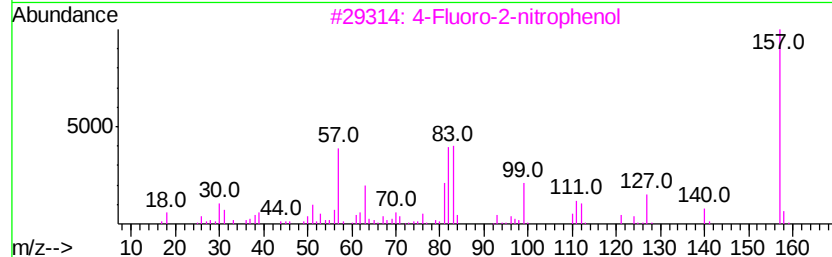
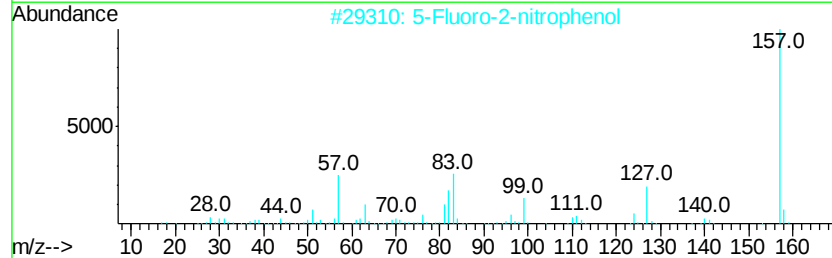
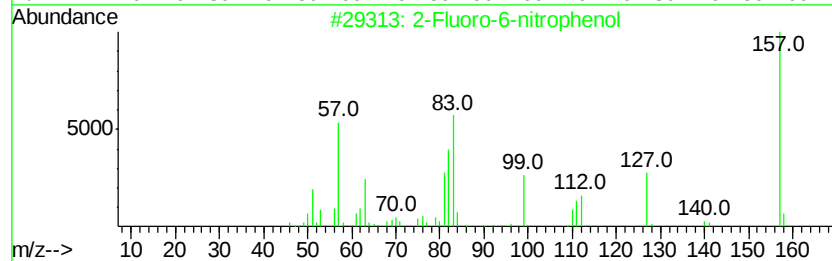
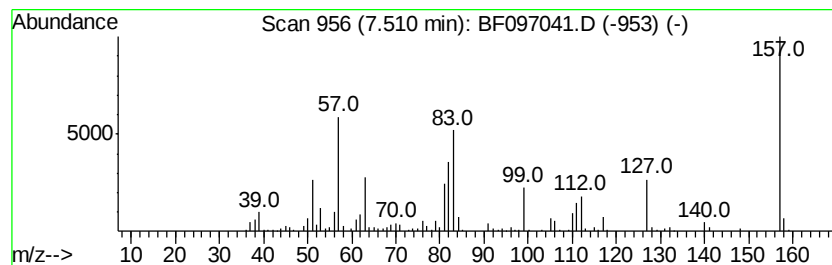
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TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Fluoro-6-nitrophenol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.51	4.79 ng	368184	Naphthalene-d8	7.78		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluoro-6-nitrophenol	157	C6H4FN03	001526-17-6	97	
2	5-Fluoro-2-nitrophenol	157	C6H4FN03	000446-36-6	81	
3	4-Fluoro-2-nitrophenol	157	C6H4FN03	000394-33-2	72	
4	Phenol, 3-fluoro-4-nitro-	157	C6H4FN03	000394-41-2	59	
5	2-Fluoro-4-nitrophenol	157	C6H4FN03	000403-19-0	58	



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Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
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ClientSampleId :
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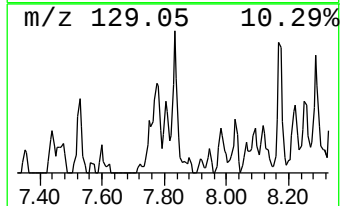
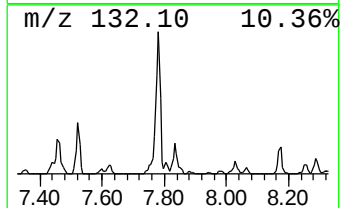
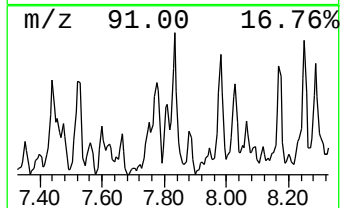
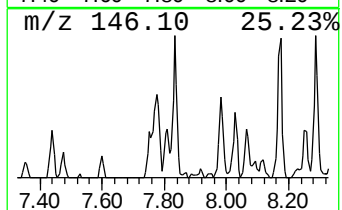
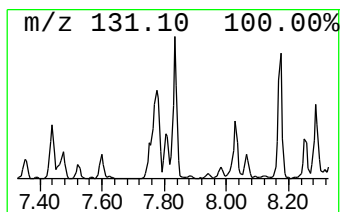
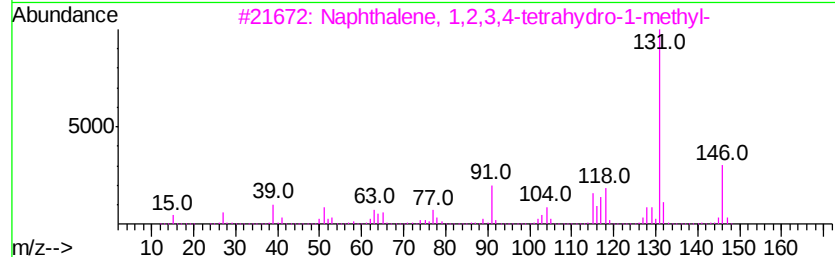
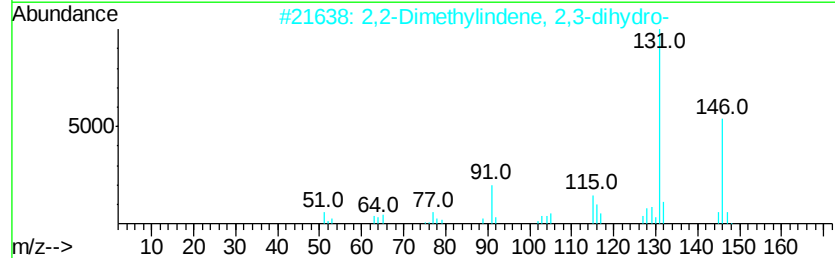
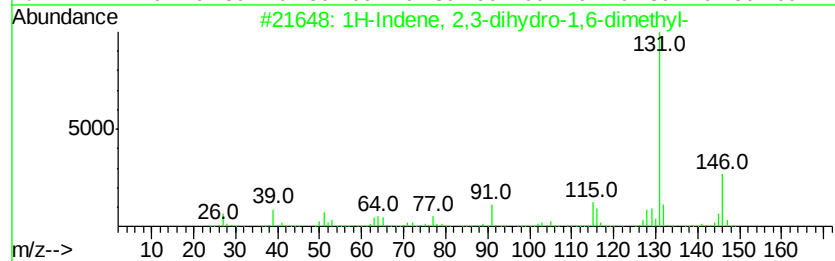
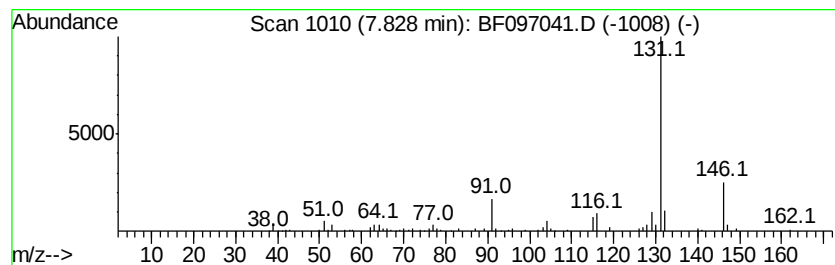
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	3.22 ng	247579	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
4		Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	90
5		Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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Acq On : 25 Jul 2017 20:53
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ClientSampleId :
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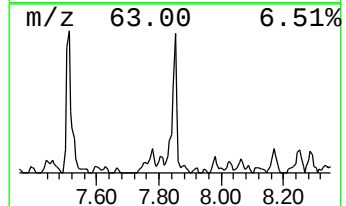
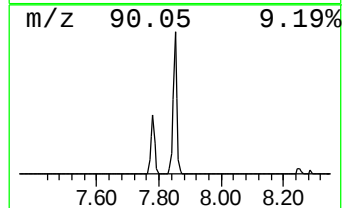
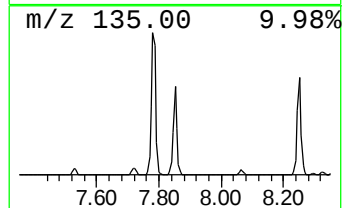
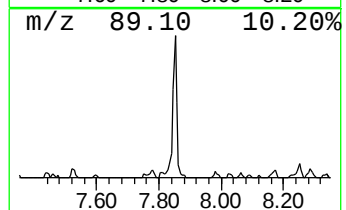
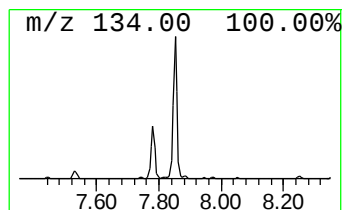
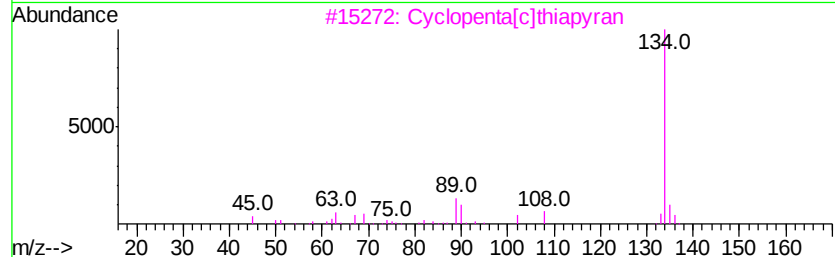
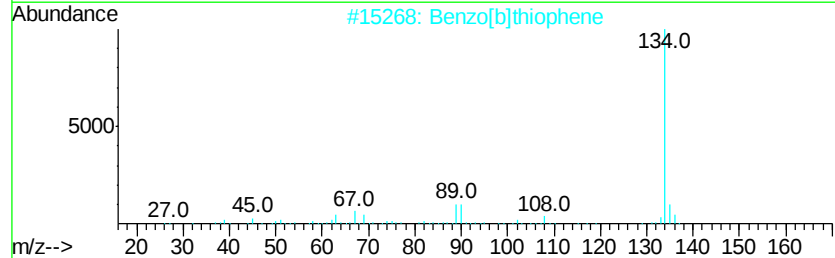
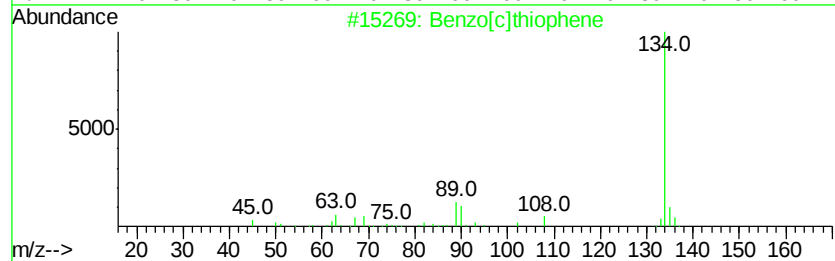
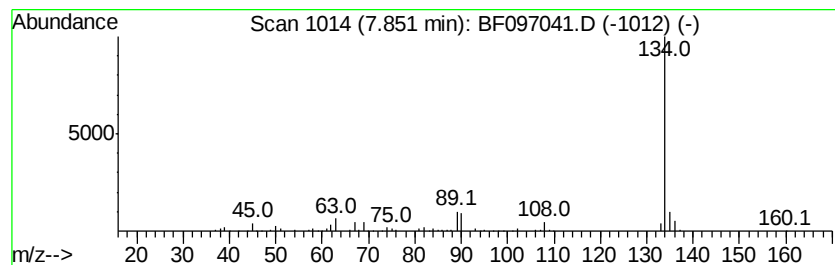
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzo[c]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	4.51 ng	346087	Naphthalene-d8	7.78

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3		Cyclopenta[c]thiopyran	134	C8H6S	000270-63-3	94
4		Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	50
5		Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097041.D
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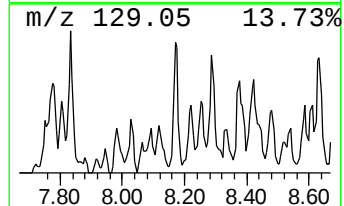
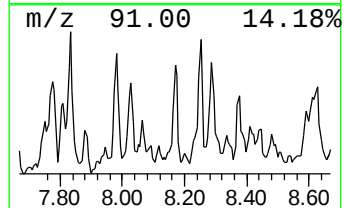
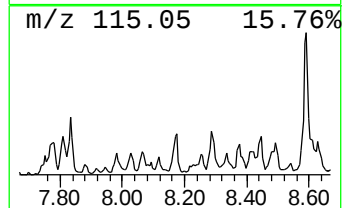
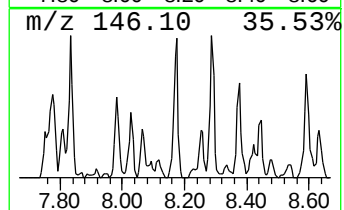
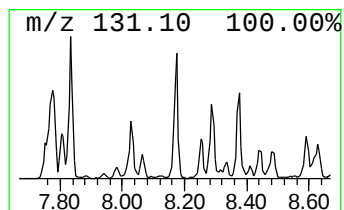
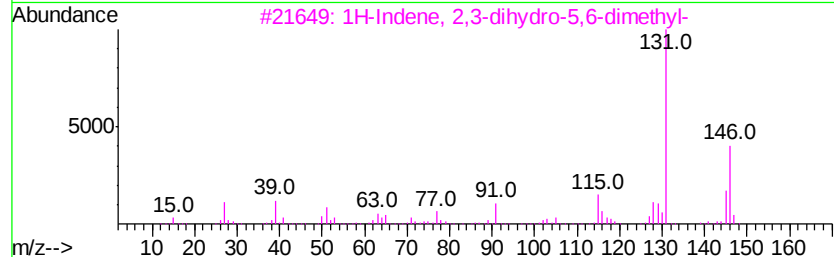
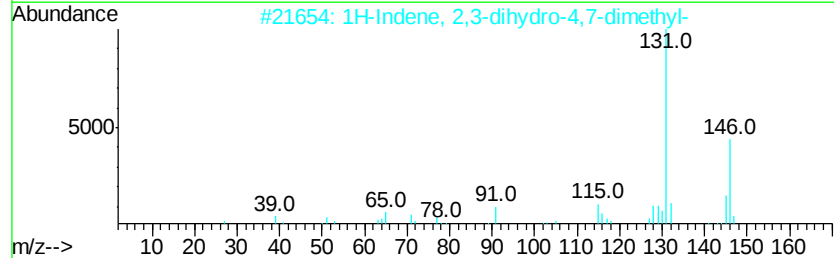
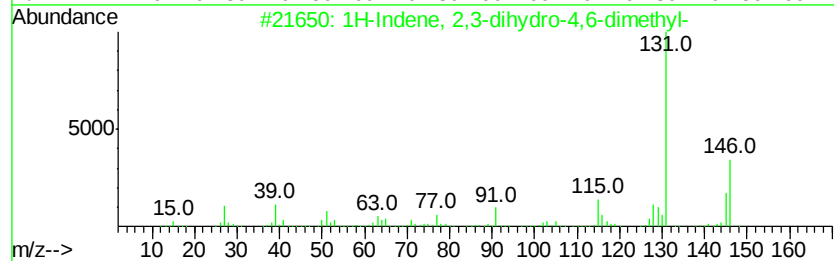
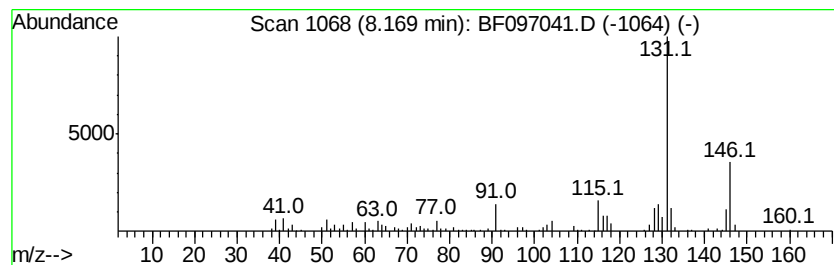
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	2.91 ng	223363	Napthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	95
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	92
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097041.D
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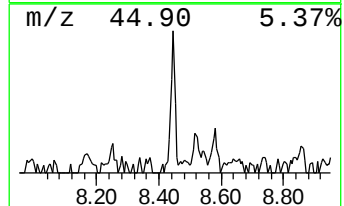
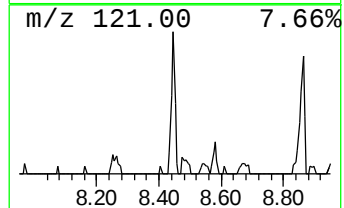
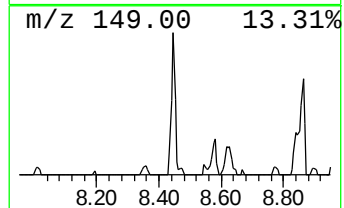
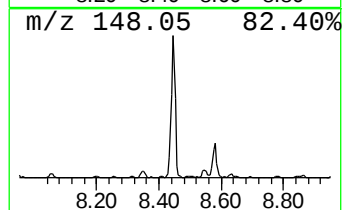
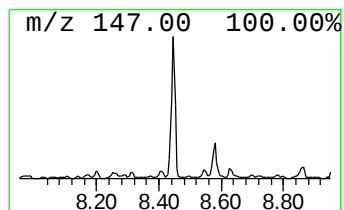
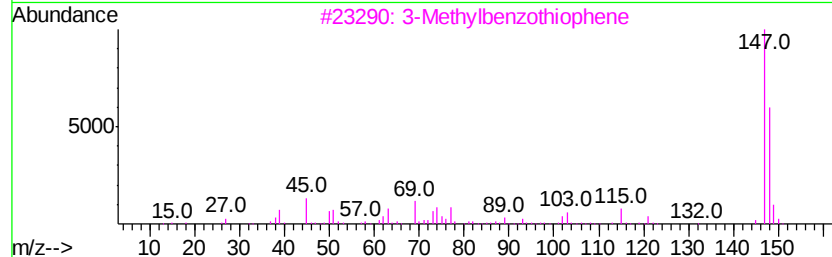
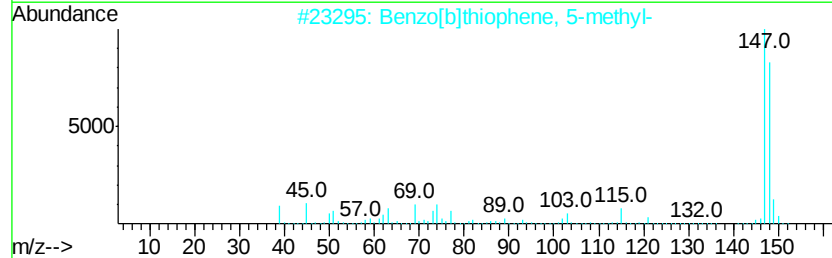
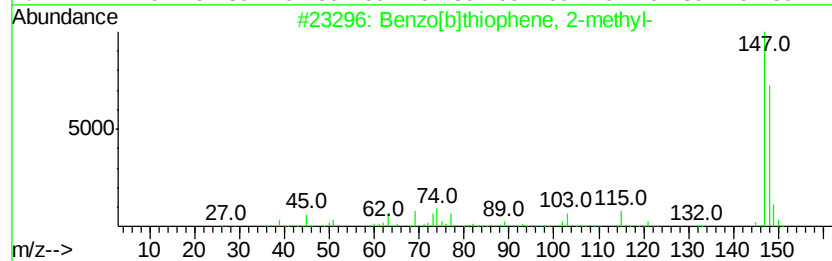
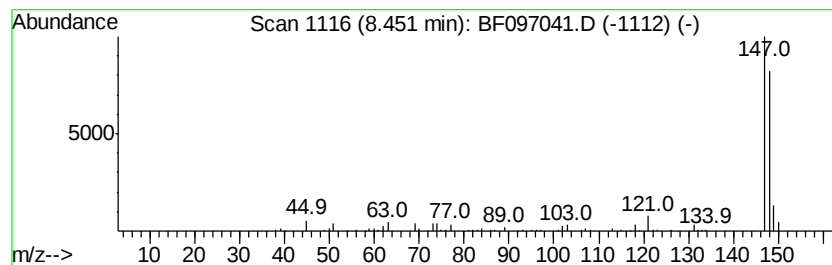
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[b]thiophene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.49 ng	267850	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
2		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
3		3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
4		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5		Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
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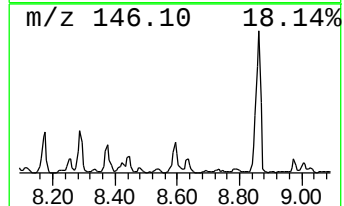
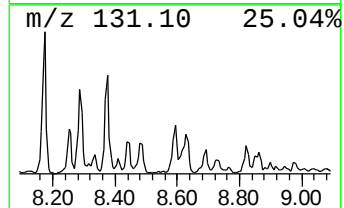
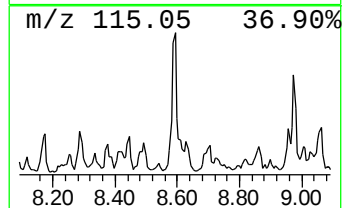
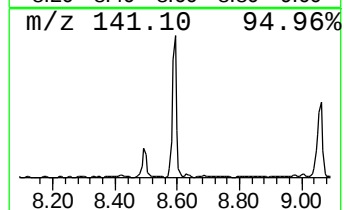
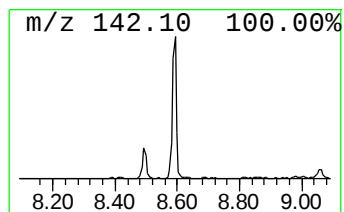
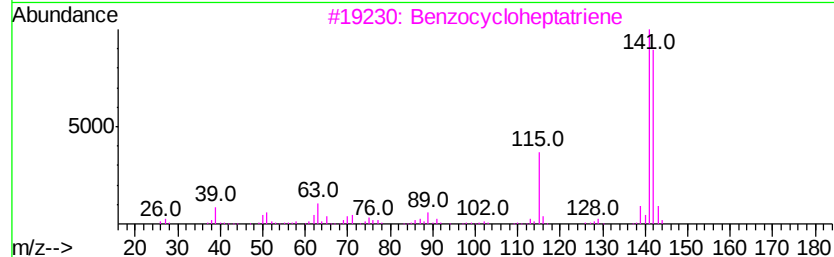
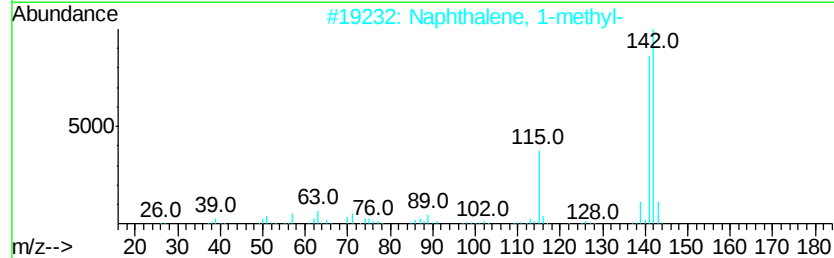
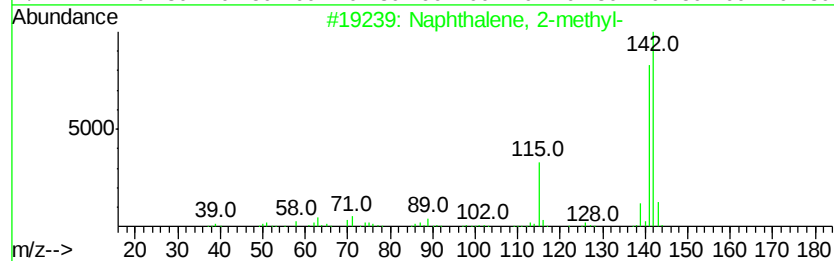
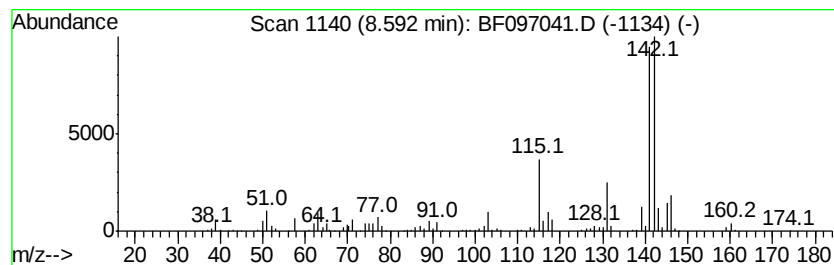
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	7.79 ng	598399	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3		Benzocycloheptatriene	142	C11H10	000264-09-5	89
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	76
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
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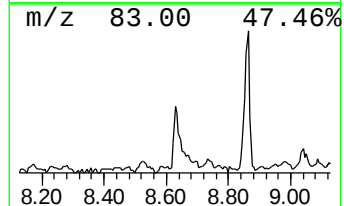
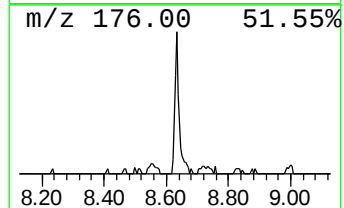
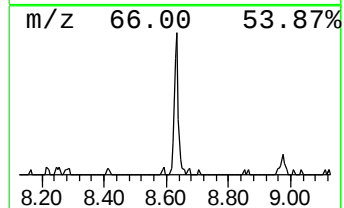
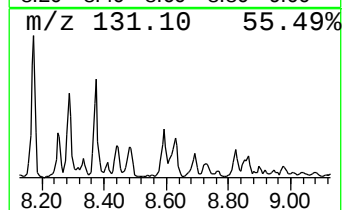
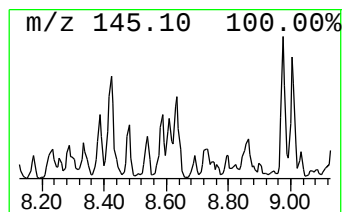
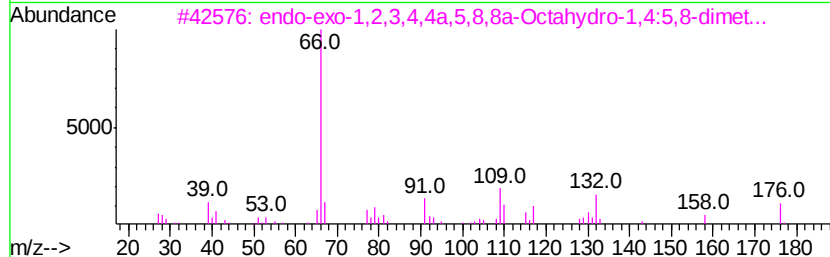
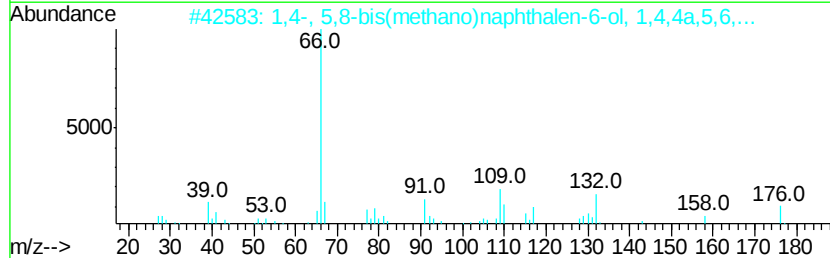
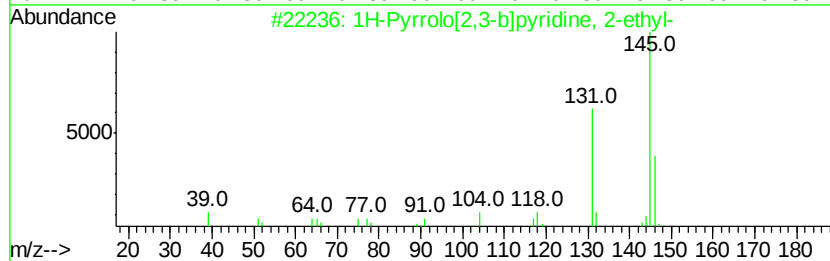
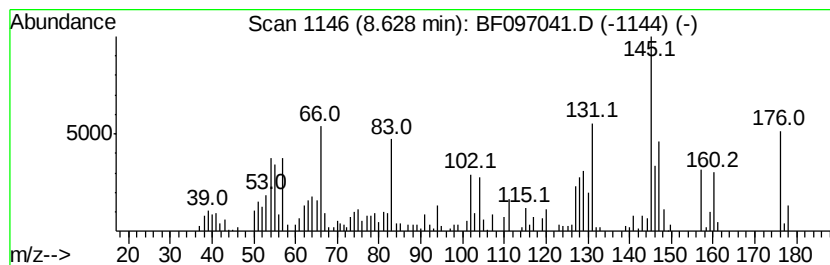
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.63 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	3.47 ng	266901	Naphthalene-d8	7.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	38
2		1,4-, 5,8-bis(methano)naphthalen...	176	C12H16O	1000007-09-8	30
3		endo-exo-1,2,3,4,4a,5,8,8a-Octah...	176	C12H16O	033163-95-0	30
4		Tricyclo[5.2.1.0(2,6)]deca-4,8-d...	146	C10H10O	1000191-03-2	30
5		5-Chloro-thiophene-2-carboxylic ...	176	C6H5ClO2S	1000297-30-4	20



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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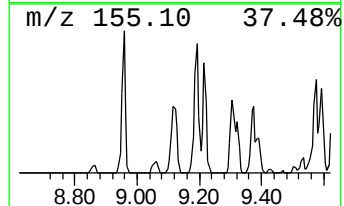
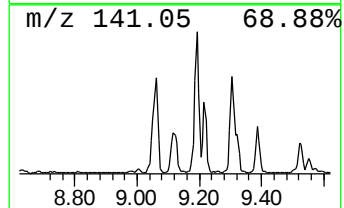
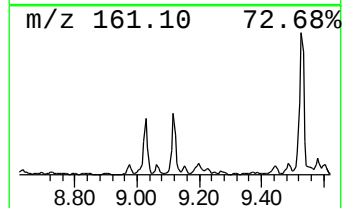
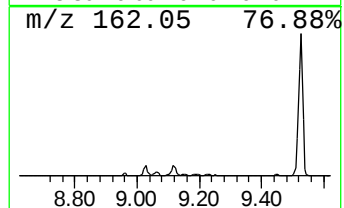
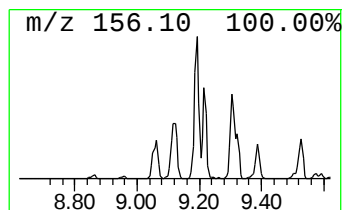
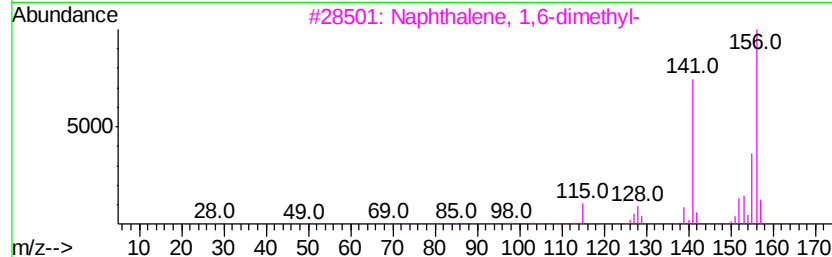
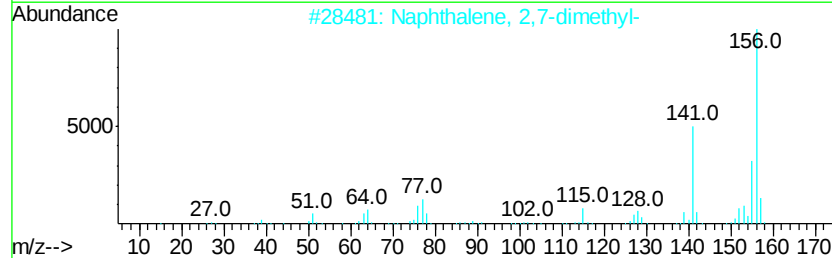
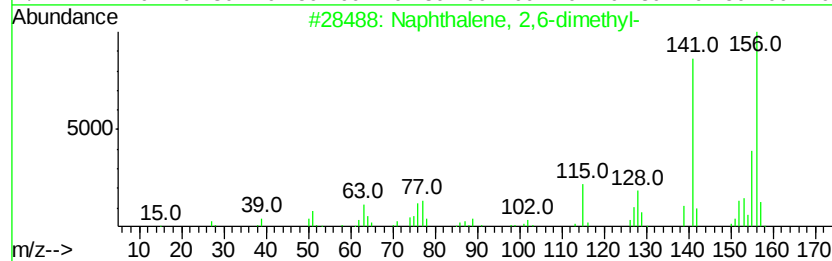
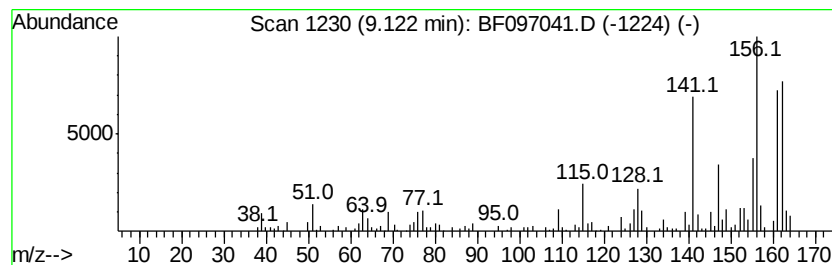
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ClientSampleId :
DUP-1-20170720

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

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

Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.12	3.77 ng	277504	Acenaphthene-d10		9.53	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	84
4		Benzene, 2,5-cvclohexadien-1-yl-	156	C12H12	004794-05-2	51
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

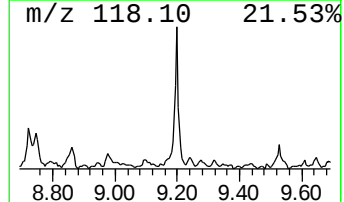
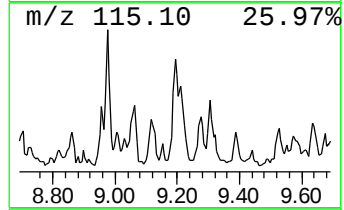
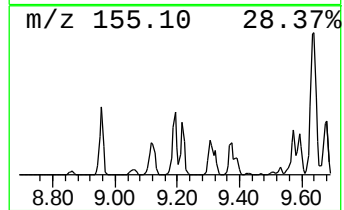
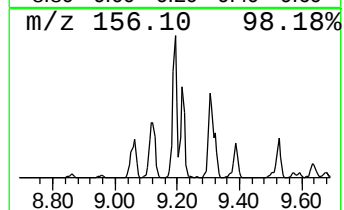
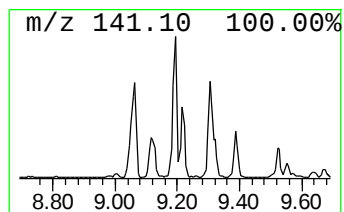
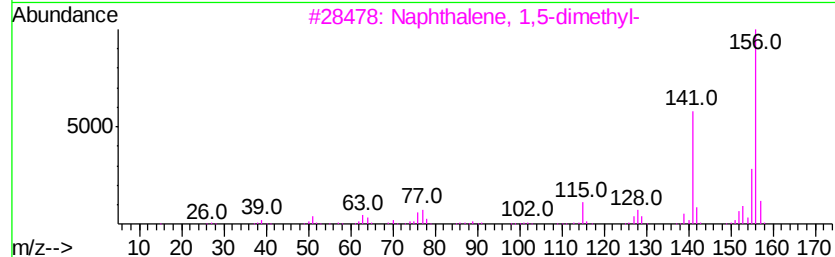
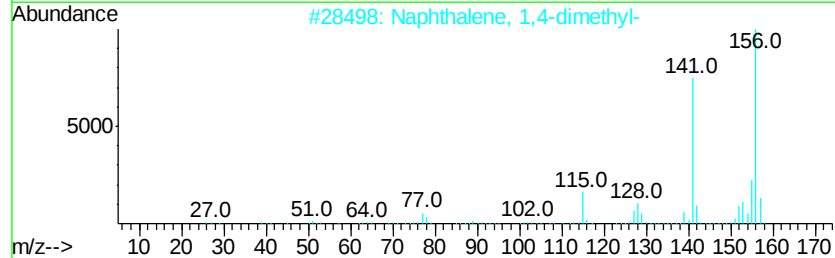
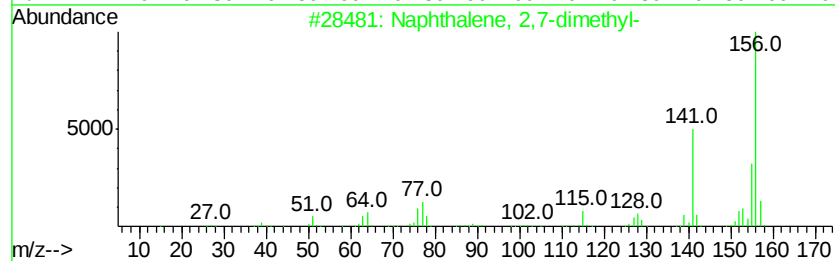
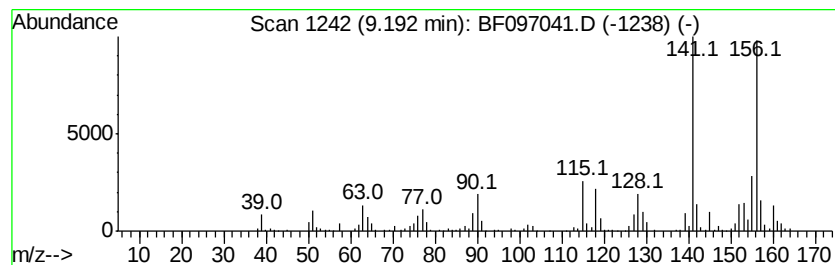
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ClientSampleId :
DUP-1-20170720

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

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

Peak Number 12 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.19	6.02 ng	443768	Acenaphthene-d10	9.53		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
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ClientSampleId :
DUP-1-20170720

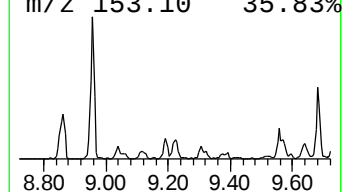
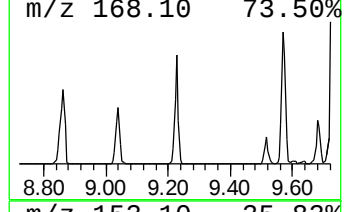
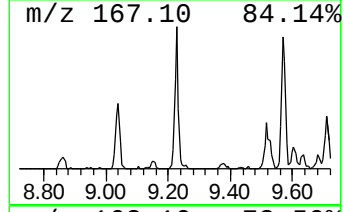
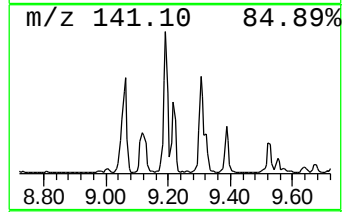
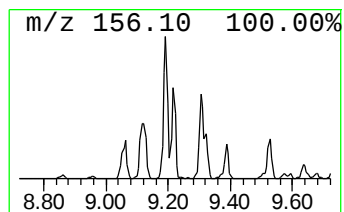
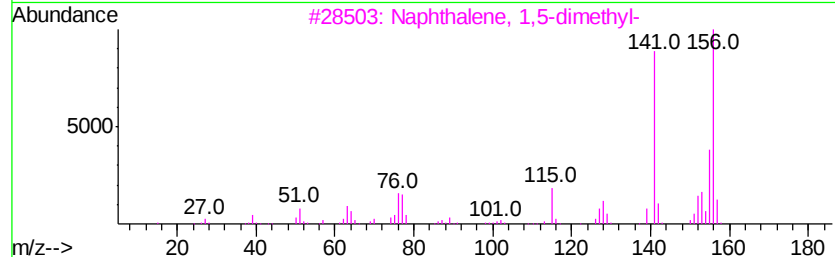
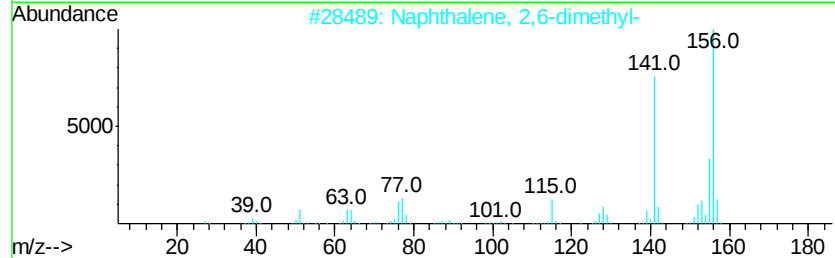
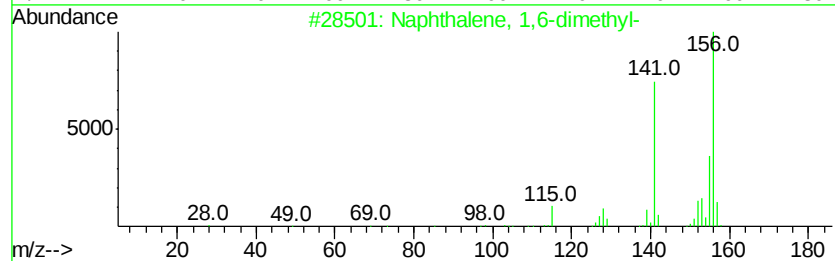
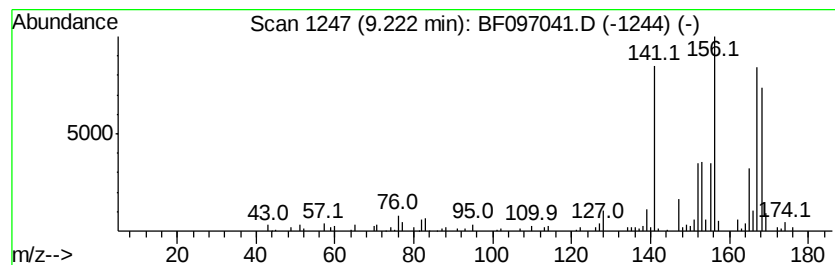
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	4.30 ng	316584	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	83
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1-20170720

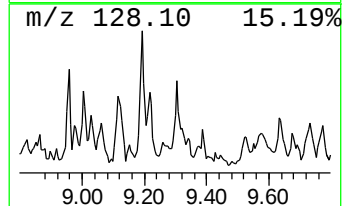
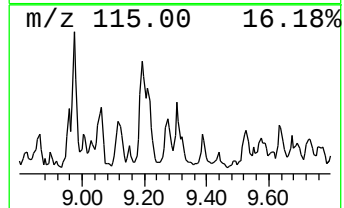
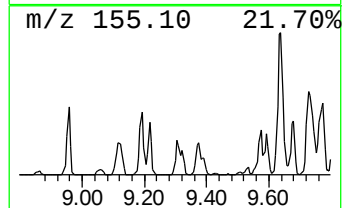
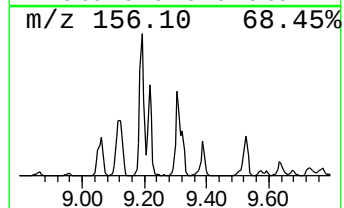
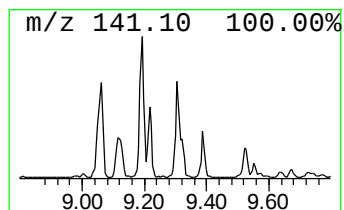
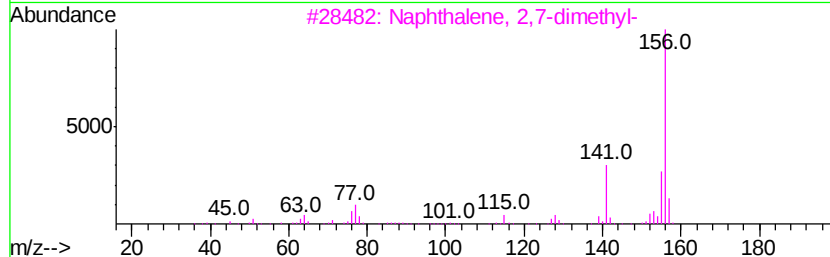
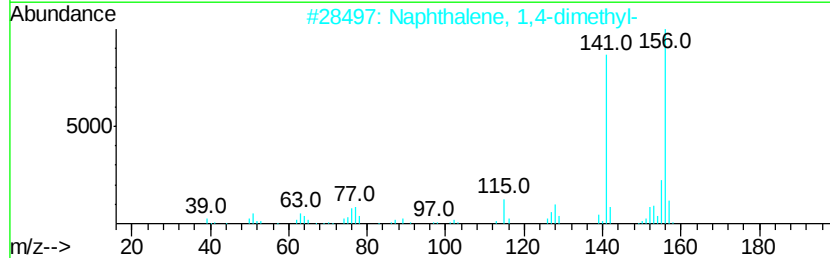
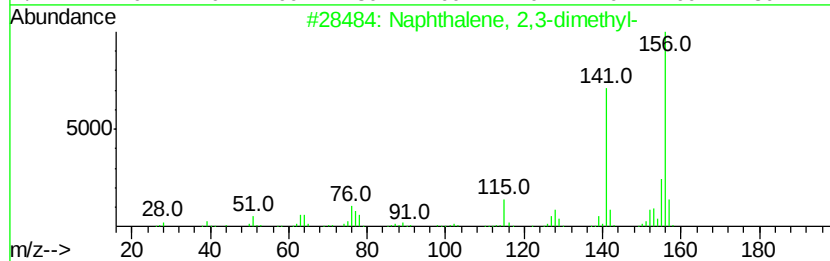
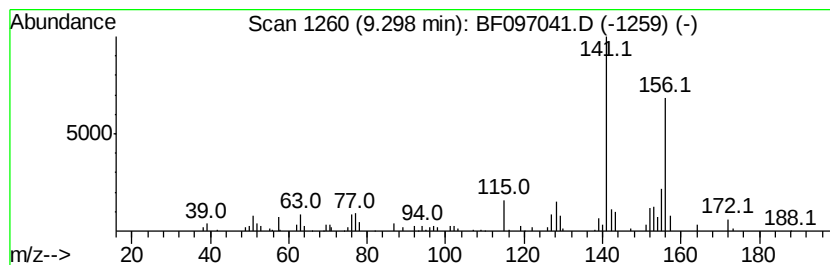
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	3.05 ng	224856	Acenaphthene-d10	9.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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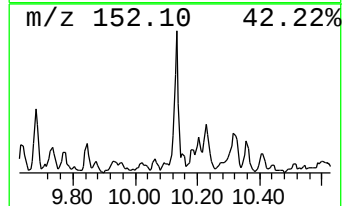
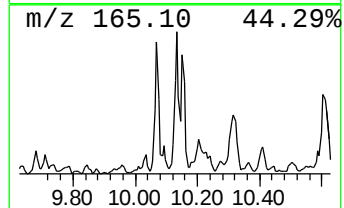
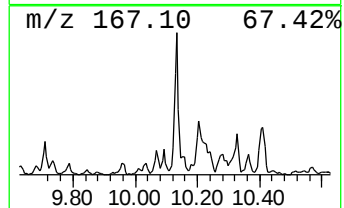
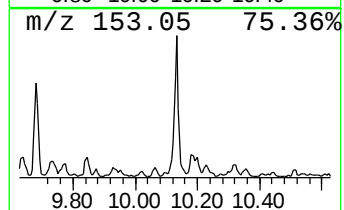
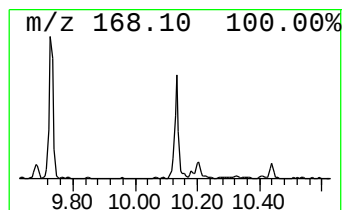
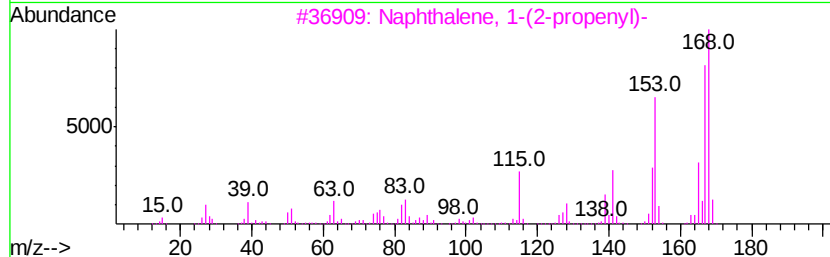
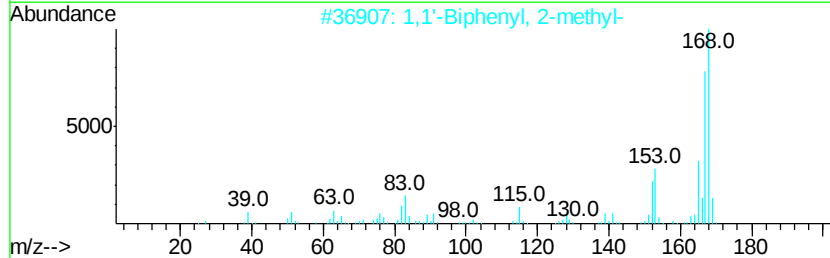
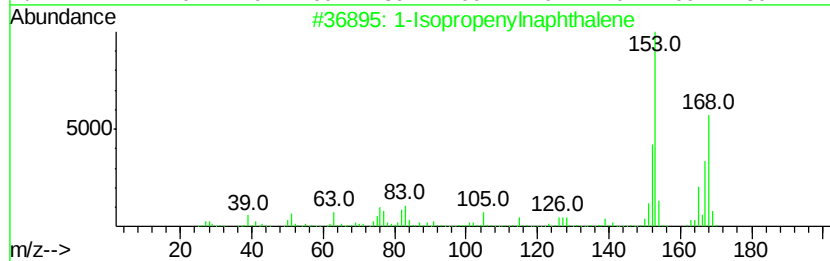
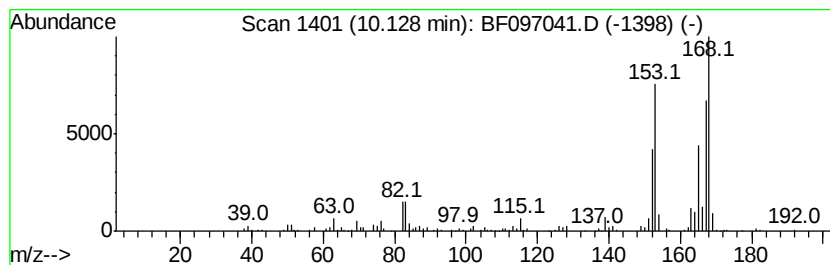
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	3.83 ng	282142	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-1-20170720

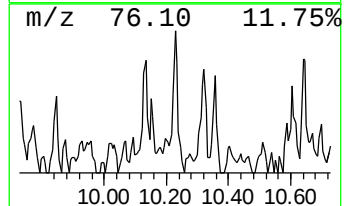
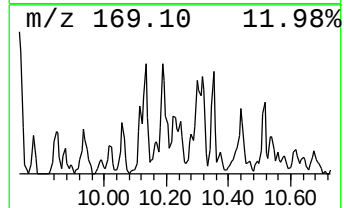
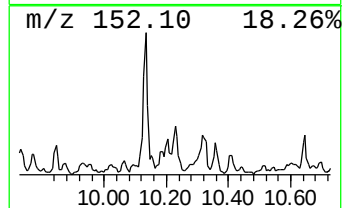
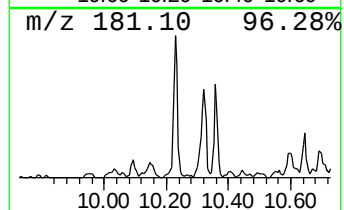
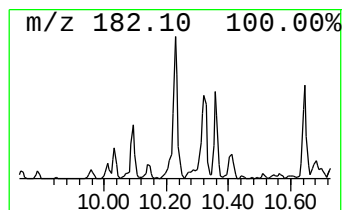
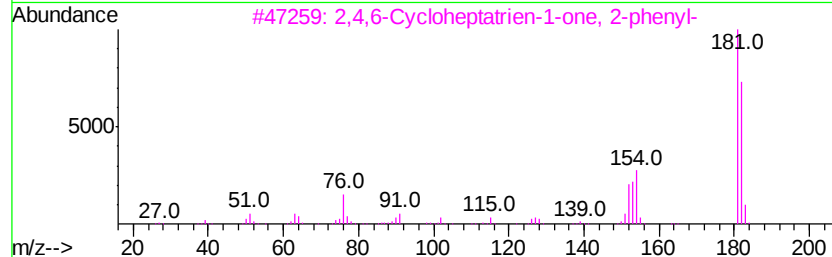
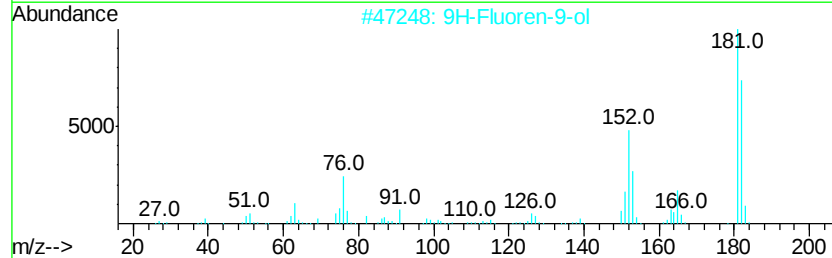
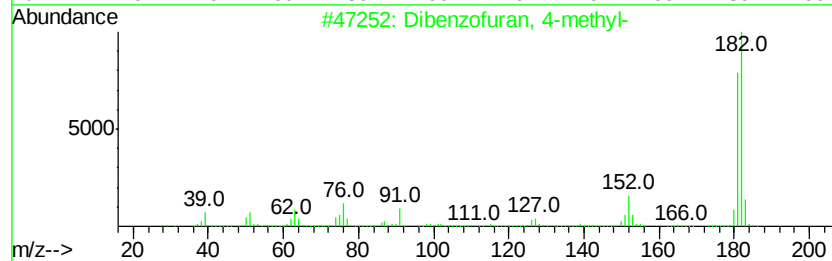
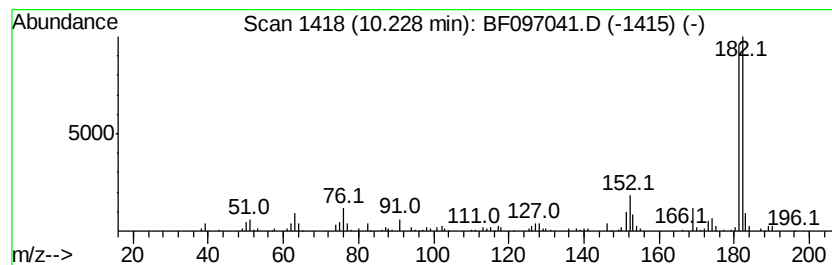
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	2.70 ng	199010	Acenaphthene-d10	9.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5		5-Methylpyrimido[3,4-a]indole	182	C12H10N2	030689-02-2	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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Acq On : 25 Jul 2017 20:53
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ClientSampleId :
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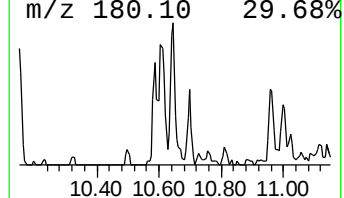
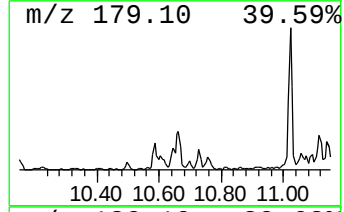
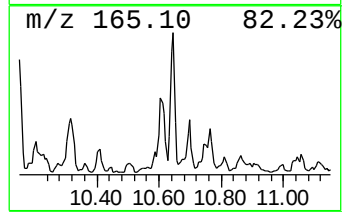
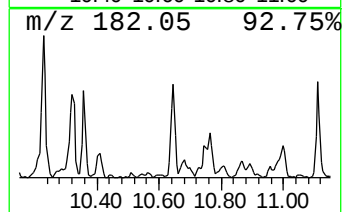
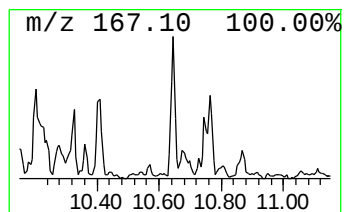
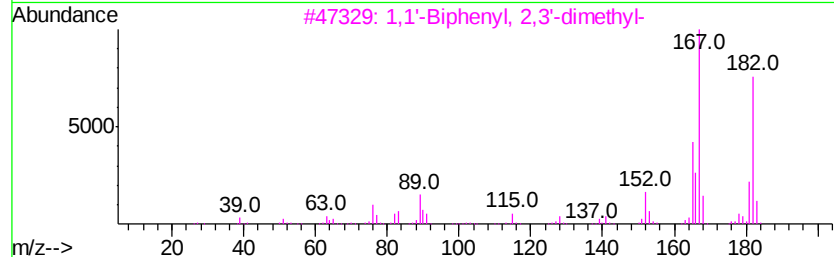
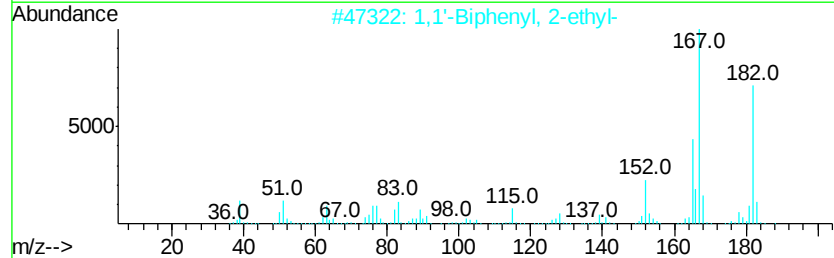
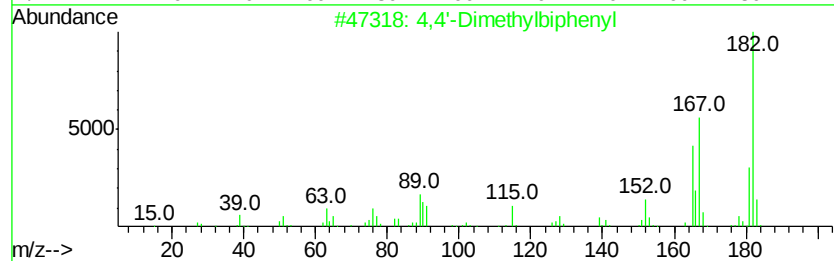
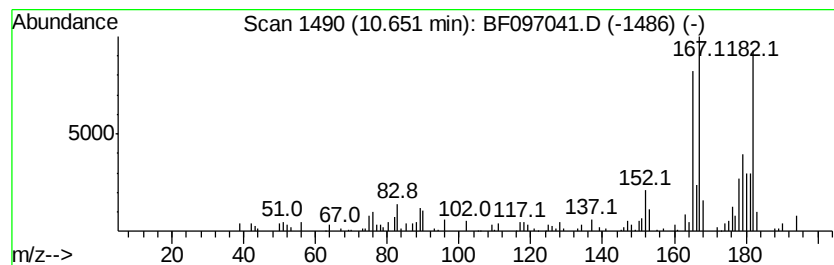
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 4,4'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	2.68 ng	162370	Phenanthrene-d10	11.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	86
2		1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	70
3		1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	60
4		1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	55
5		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

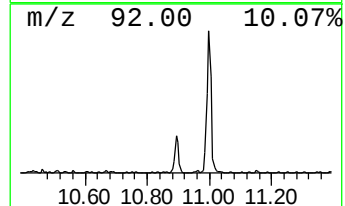
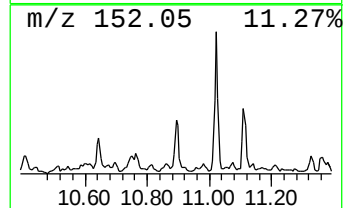
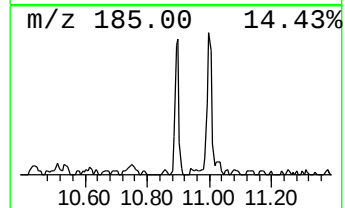
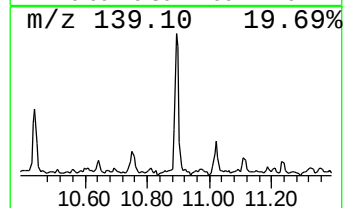
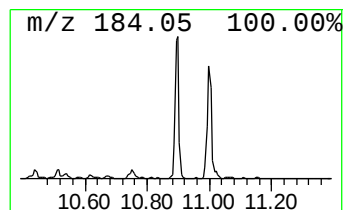
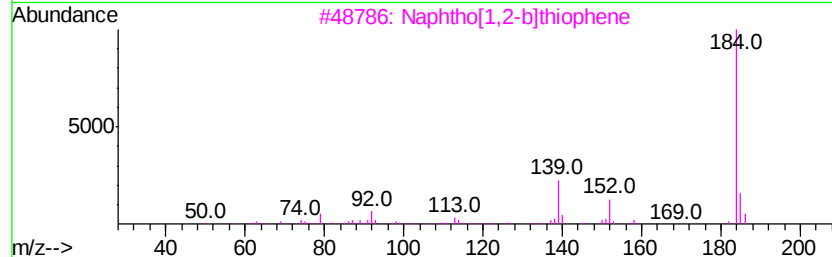
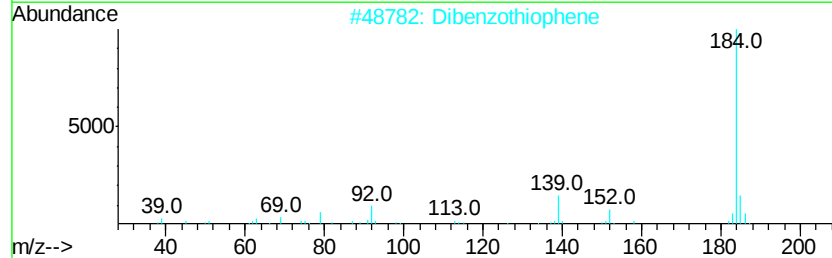
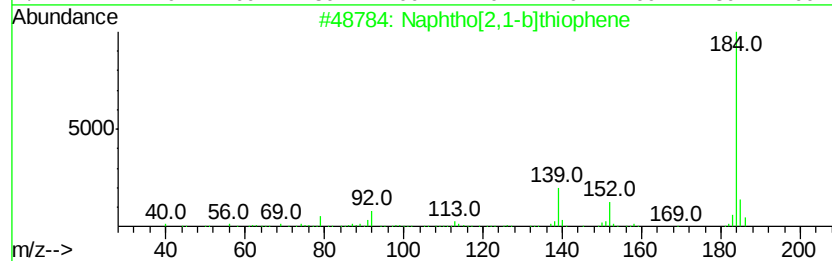
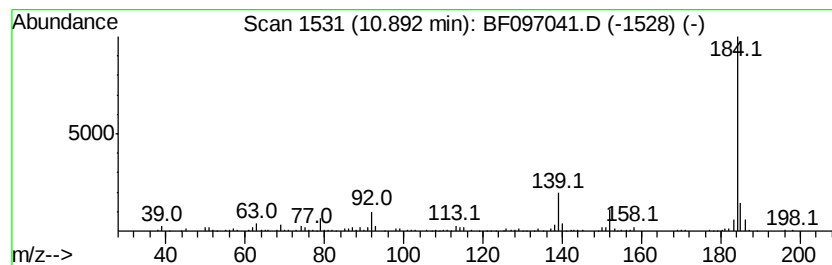
Instrument :
BNA_F
ClientSampleId :
DUP-1-20170720

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

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

Peak Number 18 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.89	4.26 ng	257529	Phenanthrene-d10	11.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1-20170720

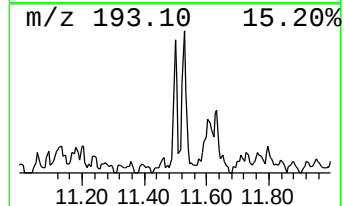
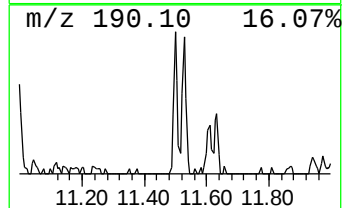
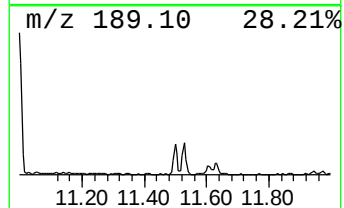
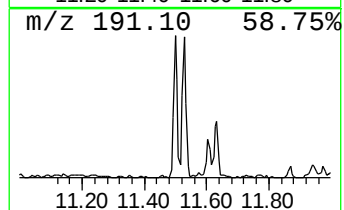
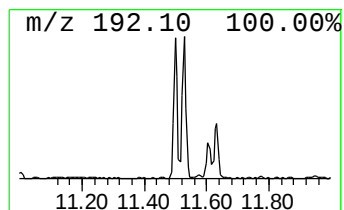
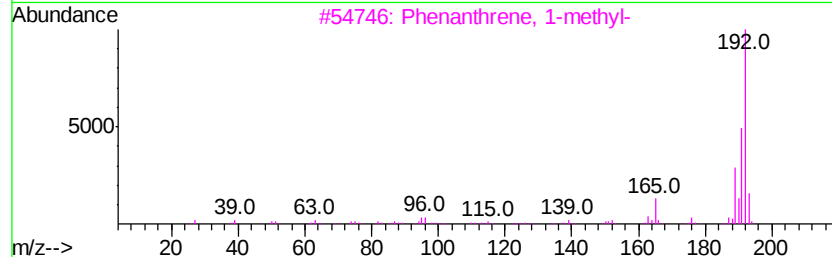
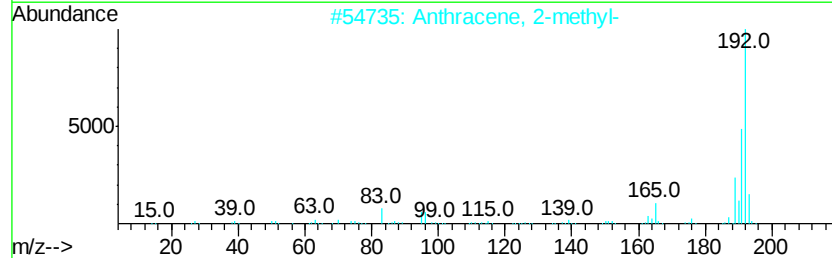
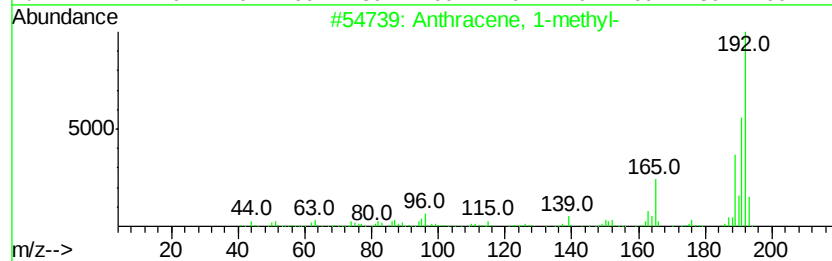
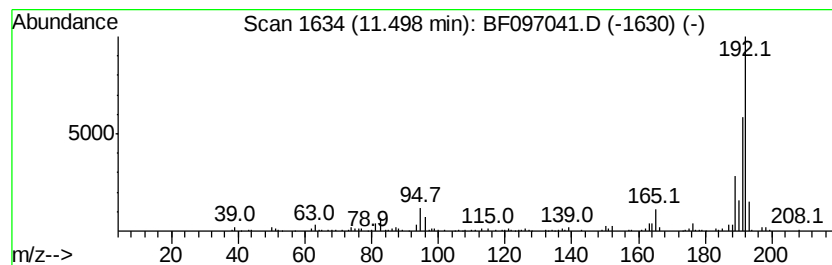
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	3.27 ng	198050	Phenanthrene-d10	11.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097041.D
Acq On : 25 Jul 2017 20:53
Operator : SJ/JU
Sample : I4369-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1-20170720

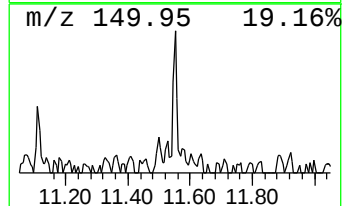
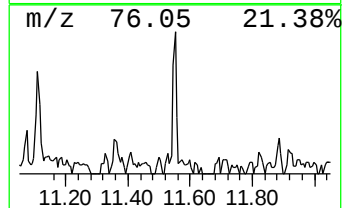
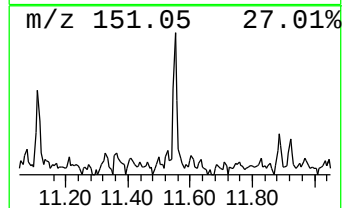
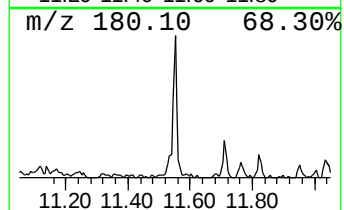
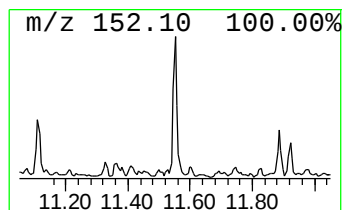
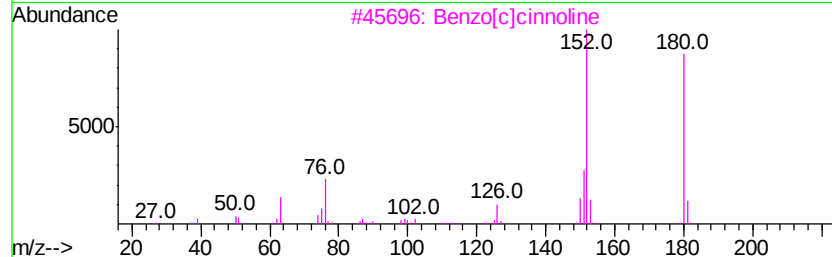
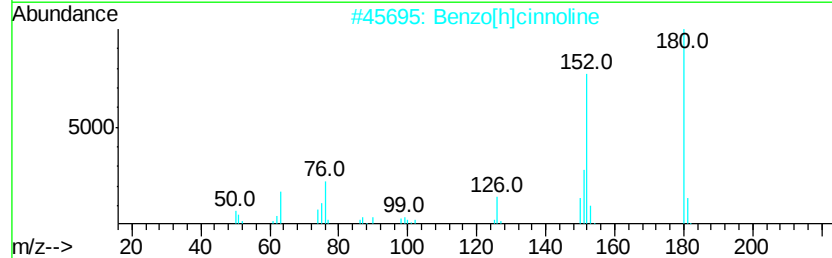
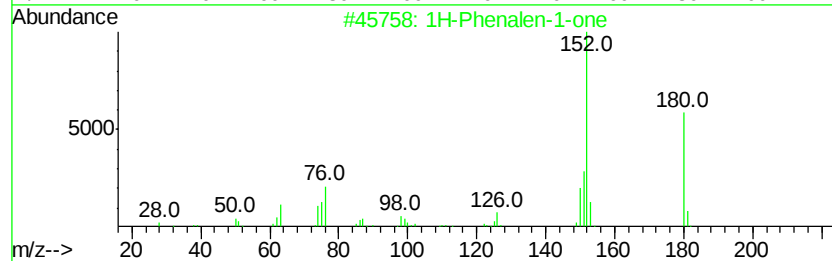
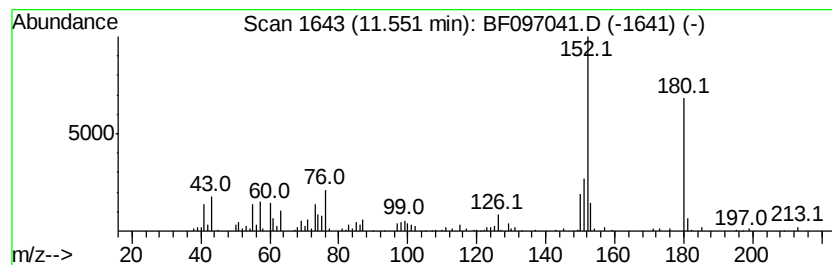
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1H-Phenalen-1-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.05 ng	184198	Phenanthrene-d10	11.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	91
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	80
4		Biphenylene	152	C12H8	000259-79-0	55
5		Acenaphthylene	152	C12H8	000208-96-8	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
 Data File : BF097041.D
 Acq On : 25 Jul 2017 20:53
 Operator : SJ/JU
 Sample : I4369-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1-20170720

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.27	6.27	68.7	ng	2956600	1	6.50	860658	20.0
unknown7.39	7.39	4.7	ng	358176	2	7.78	1536360	20.0
2-Fluoro-6-nitrop...	7.51	4.8	ng	368184	2	7.78	1536360	20.0
1H-Indene, 2,3-di...	7.83	3.2	ng	247579	2	7.78	1536360	20.0
Benzo[c]thiophene	7.85	4.5	ng	346087	2	7.78	1536360	20.0
1H-Indene, 2,3-di...	8.17	2.9	ng	223363	2	7.78	1536360	20.0
Benzo[b]thiophene...	8.45	3.5	ng	267850	2	7.78	1536360	20.0
Naphthalene, 1-me...	8.59	7.8	ng	598399	2	7.78	1536360	20.0
unknown8.63	8.63	3.5	ng	266901	2	7.78	1536360	20.0
Naphthalene, 2,6-...	9.12	3.8	ng	277504	3	9.53	1473740	20.0
Naphthalene, 2,7-...	9.19	6.0	ng	443768	3	9.53	1473740	20.0
Naphthalene, 1,6-...	9.22	4.3	ng	316584	3	9.53	1473740	20.0
Naphthalene, 2,3-...	9.30	3.0	ng	224856	3	9.53	1473740	20.0
1-Isopropenyl naph...	10.13	3.8	ng	282142	3	9.53	1473740	20.0
Dibenzofuran, 4-m...	10.23	2.7	ng	199010	3	9.53	1473740	20.0
4,4'-Dimethylbiph...	10.65	2.7	ng	162370	4	11.00	1209520	20.0
Naphtho[2,1-b]thi...	10.89	4.3	ng	257529	4	11.00	1209520	20.0
Anthracene, 1-met...	11.50	3.3	ng	198050	4	11.00	1209520	20.0
1H-Phenalen-1-one	11.55	3.0	ng	184198	4	11.00	1209520	20.0