

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098129.D
 Acq On : 29 Aug 2017 23:49
 Operator : SJ/JU
 Sample : I4979-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

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-BF081517.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	548	552	562	rVV	461150	733434	6.00%	0.312%
2	6.381	725	730	735	rBV	462833	831065	6.80%	0.353%
3	6.434	735	739	741	rVV2	1978237	1682558	13.76%	0.715%
4	6.504	748	751	756	rVB2	916184	994069	8.13%	0.423%
5	6.557	756	760	767	rVB2	1906044	1993057	16.30%	0.847%
6	6.686	779	782	787	rVB2	979339	912831	7.46%	0.388%
7	6.734	787	790	792	rBV	944222	826671	6.76%	0.351%
8	6.816	798	804	807	rBV3	2332049	2719822	22.24%	1.156%
9	6.892	813	817	818	rBV2	663771	663148	5.42%	0.282%
10	6.916	818	821	824	rVB	2689372	2326788	19.03%	0.989%
11	6.986	827	833	835	rBV3	590101	655078	5.36%	0.278%
12	7.057	840	845	847	rBV	1536882	1512051	12.37%	0.643%
13	7.122	853	856	860	rVB3	466981	600753	4.91%	0.255%
14	7.228	872	874	879	rBV	676219	561956	4.60%	0.239%
15	7.275	879	882	884	rBV	1933980	1579382	12.92%	0.671%
16	7.304	884	887	890	rVB2	2026487	1991356	16.28%	0.846%
17	7.381	896	900	904	rBV4	686049	719328	5.88%	0.306%
18	7.422	904	907	909	rBV	472307	546687	4.47%	0.232%
19	7.510	916	922	924	rBV	1269362	1289824	10.55%	0.548%
20	7.539	924	927	930	rVB	1656046	1467086	12.00%	0.624%
21	7.698	948	954	960	rVB4	2668747	3848366	31.47%	1.636%
22	7.763	960	965	969	rBV2	3905506	5464820	44.69%	2.323%
23	7.845	977	979	984	rVB3	768636	966862	7.91%	0.411%
24	7.969	996	1000	1001	rBV2	585588	565114	4.62%	0.240%
25	8.028	1004	1010	1011	rBV3	1934503	3025054	24.74%	1.286%
26	8.063	1011	1016	1019	rVB2	4001808	6474483	52.95%	2.752%
27	8.092	1019	1021	1029	rVB4	1933557	3223537	26.36%	1.370%
28	8.181	1033	1036	1037	rBV	676548	567521	4.64%	0.241%
29	8.198	1037	1039	1042	rVB	1041079	862918	7.06%	0.367%
30	8.228	1042	1044	1046	rVB	761481	603349	4.93%	0.256%
31	8.304	1052	1057	1058	rBV2	1815459	1716315	14.04%	0.729%
32	8.345	1062	1064	1067	rVB2	671873	595584	4.87%	0.253%
33	8.410	1072	1075	1078	rBV	2493319	2433106	19.90%	1.034%
34	8.457	1078	1083	1087	rBV2	1895174	2590682	21.19%	1.101%

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 Sampling : 1
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 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-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.492	1087	1089	1091	rVB	1390025	1091649	8.93%	0.464%
36	8.533	1091	1096	1100	rVB4	886205	1419361	11.61%	0.603%
37	8.592	1100	1106	1108	rBV2	656463	976317	7.98%	0.415%
38	8.616	1108	1110	1112	rBV	816402	657349	5.38%	0.279%
39	8.663	1115	1118	1121	rBV5	718822	952118	7.79%	0.405%
40	8.692	1121	1123	1126	rVB	917040	962167	7.87%	0.409%
41	8.763	1126	1135	1138	rBV2	4483393	12228195	100.00%	5.197%
42	8.828	1140	1146	1147	rBV3	1908498	2856959	23.36%	1.214%
43	8.863	1147	1152	1153	rBV	2241934	3490348	28.54%	1.483%
44	8.928	1160	1163	1166	rBV3	1013846	1154213	9.44%	0.491%
45	8.986	1169	1173	1175	rBV3	804520	1092062	8.93%	0.464%
46	9.057	1182	1185	1188	rVB3	2044341	1979956	16.19%	0.842%
47	9.210	1207	1211	1213	rVB	2960174	3058284	25.01%	1.300%
48	9.310	1220	1228	1232	rVB	3262701	5607075	45.85%	2.383%
49	9.392	1234	1242	1244	rBV2	3856674	7927060	64.83%	3.369%
50	9.463	1247	1254	1257	rVV3	3947974	9781093	79.99%	4.157%
51	9.492	1257	1259	1261	rVV	3986267	4409861	36.06%	1.874%
52	9.516	1261	1263	1265	rVV	2713159	2327129	19.03%	0.989%
53	9.533	1265	1266	1268	rVV2	721711	714169	5.84%	0.304%
54	9.575	1268	1273	1278	rVV2	3429359	6872087	56.20%	2.921%
55	9.651	1281	1286	1289	rVB2	2654833	3180386	26.01%	1.352%
56	9.733	1297	1300	1302	rBV2	479436	533493	4.36%	0.227%
57	9.763	1302	1305	1306	rVV	1277451	1254990	10.26%	0.533%
58	9.786	1306	1309	1311	rVV	3105043	3413346	27.91%	1.451%
59	9.839	1311	1318	1323	rVV2	4381526	10162993	83.11%	4.320%
60	9.892	1323	1327	1332	rVV3	2101126	3785014	30.95%	1.609%
61	9.945	1332	1336	1339	rVV3	2556606	3686823	30.15%	1.567%
62	10.004	1339	1346	1349	rVV2	3940826	7929444	64.85%	3.370%
63	10.033	1349	1351	1358	rVV3	2613536	3702078	30.27%	1.573%
64	10.104	1360	1363	1366	rBV2	2072111	2361246	19.31%	1.004%
65	10.133	1366	1368	1371	rVV	2030569	1893770	15.49%	0.805%
66	10.192	1374	1378	1380	rVV2	1618259	2285847	18.69%	0.972%
67	10.210	1380	1381	1384	rVB	1481261	1170781	9.57%	0.498%
68	10.274	1390	1392	1394	rBV2	827468	815881	6.67%	0.347%
69	10.351	1398	1405	1408	rVB2	3393663	6378366	52.16%	2.711%
70	10.386	1408	1411	1413	rBV2	1213193	1505114	12.31%	0.640%
71	10.427	1415	1418	1419	rVV2	2354740	2664651	21.79%	1.133%

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

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72	10.469	1423	1425	1426	rVV	1029390	851891	6.97%	0.362%
73	10.492	1426	1429	1432	rVB	2248836	2620948	21.43%	1.114%
74	10.527	1432	1435	1437	rBV3	578451	685893	5.61%	0.292%
75	10.557	1437	1440	1441	rBV2	783658	828677	6.78%	0.352%
76	10.574	1441	1443	1446	rVB	1626617	1714572	14.02%	0.729%
77	10.710	1461	1466	1472	rVB2	2977172	4258825	34.83%	1.810%
78	10.763	1473	1475	1478	rVV3	503980	535449	4.38%	0.228%
79	10.880	1490	1495	1497	rBV3	1437866	2138591	17.49%	0.909%
80	10.910	1498	1500	1505	rVB2	962028	1178225	9.64%	0.501%
81	11.033	1515	1521	1525	rVB4	1102669	2213793	18.10%	0.941%
82	11.121	1533	1536	1541	rBV5	777561	1055510	8.63%	0.449%
83	11.169	1541	1544	1550	rVB2	2317806	3309189	27.06%	1.406%
84	11.316	1560	1569	1571	rBV	3188880	6847563	56.00%	2.910%
85	11.357	1573	1576	1578	rVV	2509589	2651507	21.68%	1.127%
86	11.521	1602	1604	1609	rVB3	842624	803943	6.57%	0.342%
87	11.769	1644	1646	1649	rBV	818845	788940	6.45%	0.335%
88	11.804	1649	1652	1654	rVB	1222947	1156810	9.46%	0.492%
89	11.851	1657	1660	1662	rVV	731250	863962	7.07%	0.367%
90	11.886	1663	1666	1668	rVV	1783211	2054612	16.80%	0.873%
91	11.910	1668	1670	1673	rVB	1150894	954362	7.80%	0.406%
92	12.227	1719	1724	1726	rBV	2197742	2946296	24.09%	1.252%
93	12.251	1726	1728	1734	rVB2	786021	1014613	8.30%	0.431%
94	12.321	1737	1740	1744	rVB3	604800	745801	6.10%	0.317%
95	12.492	1765	1769	1771	rVB	2515306	2513734	20.56%	1.068%
96	12.521	1771	1774	1776	rVB	949980	729078	5.96%	0.310%
97	12.716	1801	1807	1812	rVB2	2162504	3225997	26.38%	1.371%
98	12.845	1827	1829	1837	rVB3	662559	937663	7.67%	0.399%
99	13.898	2004	2008	2010	rBV2	814192	1124757	9.20%	0.478%
100	13.921	2010	2012	2021	rVB	558046	700879	5.73%	0.298%

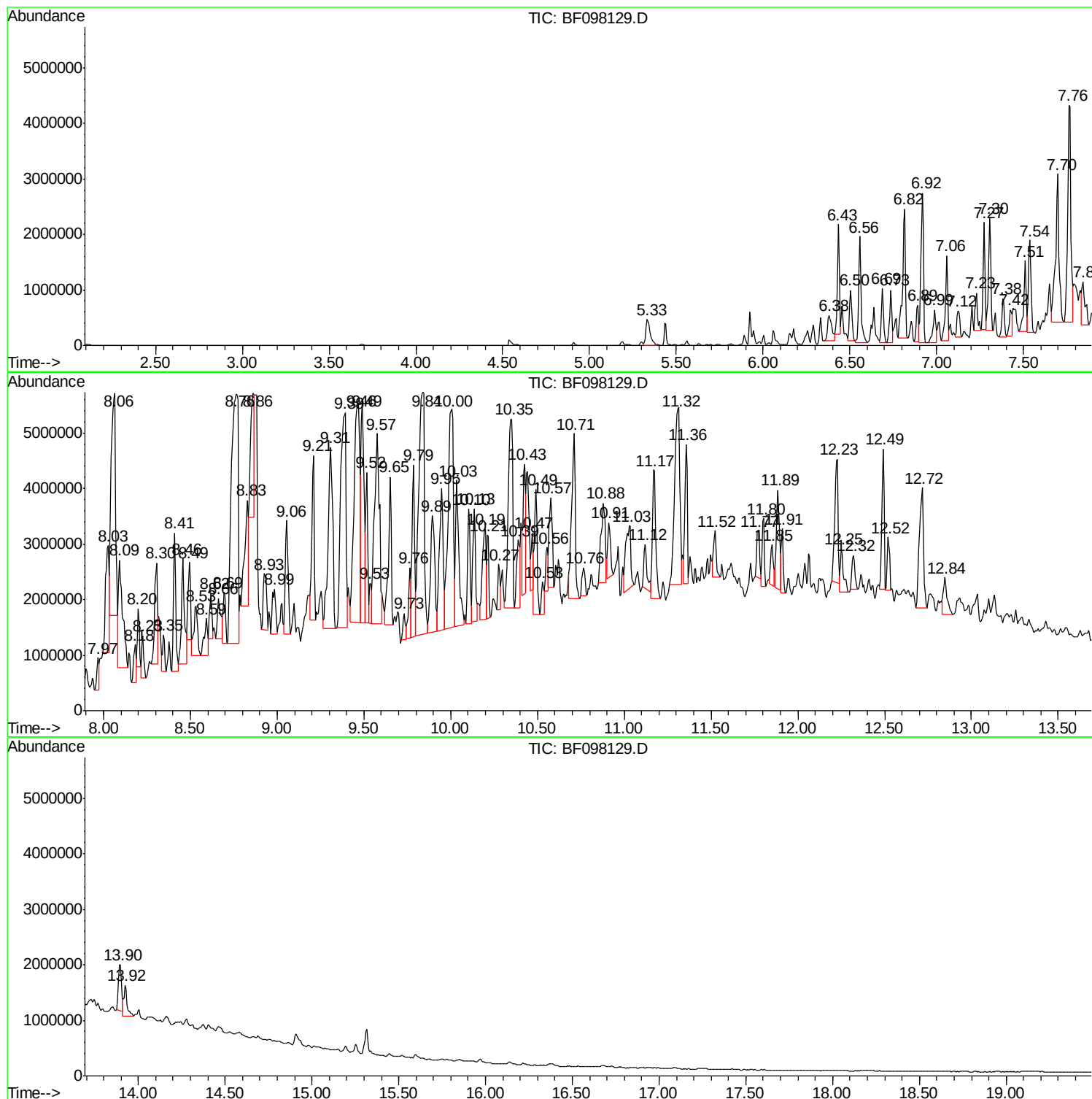
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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```

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

```
*****
Peak Number 1 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 5
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R.T.	EstConc	Area	Relative to ISTD		R.T.		
6.43	40.71 ng	1682560	1,4-Dichlorobenzene-d4		6.73		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methyl-4-chlorophenyl)-	140	C10H20	001678-82-6	94
2			Cyclohexane, 1-methyl-4-(1-methyl-4-chlorophenyl)-	140	C10H20	006069-98-3	91
3			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	91
4			Cyclohexane, 1-methyl-3-(1-methyl-4-chlorophenyl)-	140	C10H20	016580-24-8	91
5			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	83

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Instrument :
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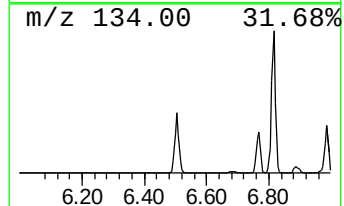
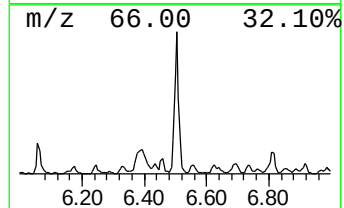
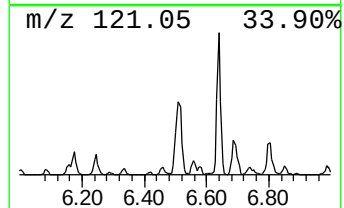
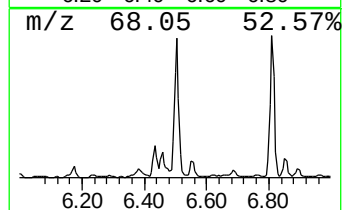
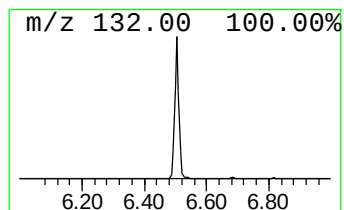
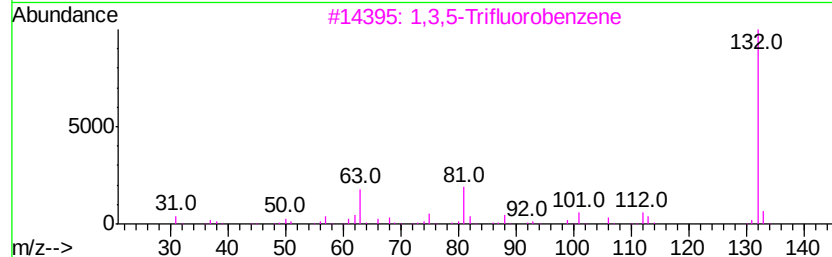
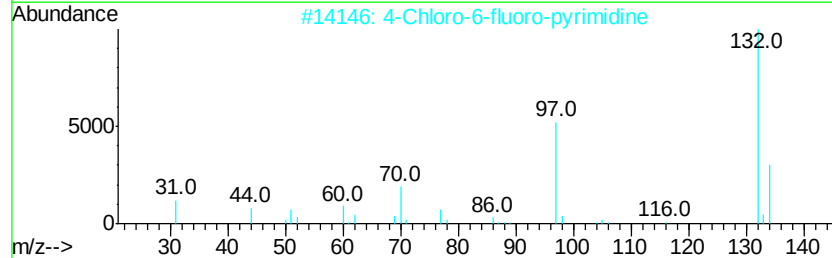
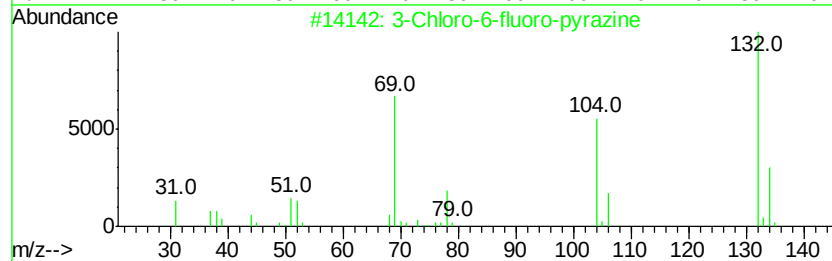
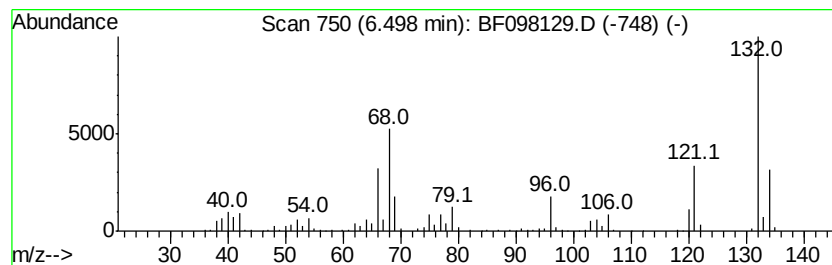
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.50 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	24.05 ng	994069	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	16
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	14
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	14
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12



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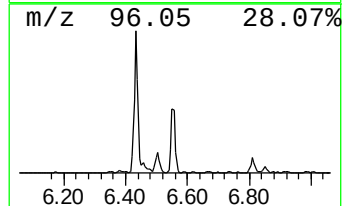
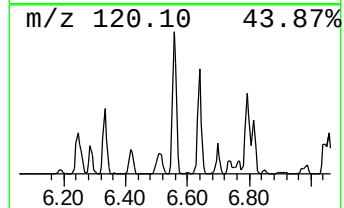
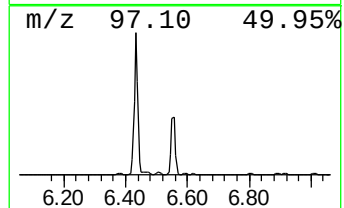
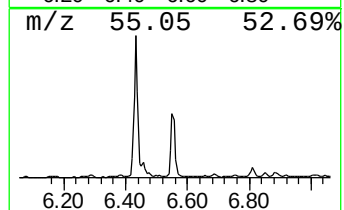
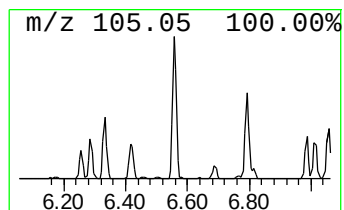
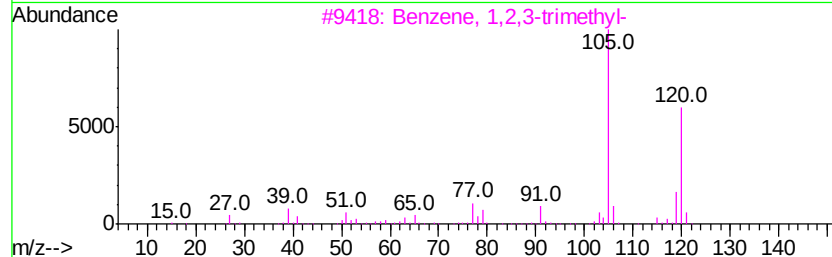
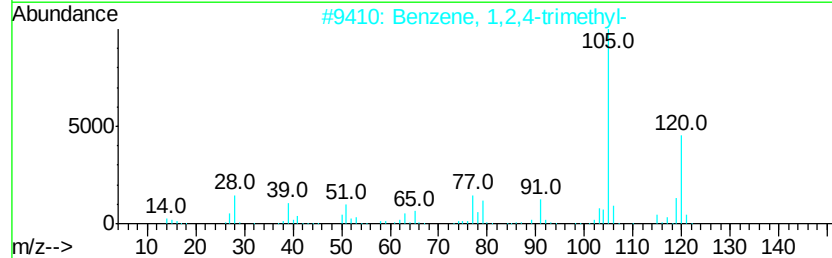
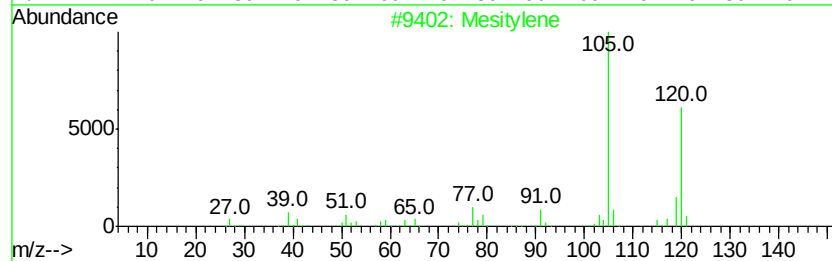
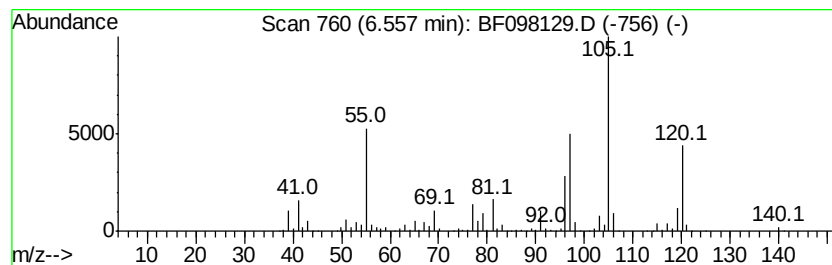
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Mesitylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	48.22 ng	1993060	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Mesitylene	120	C9H12	000108-67-8	87
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	70
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50



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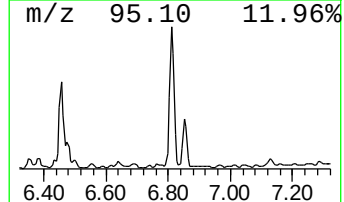
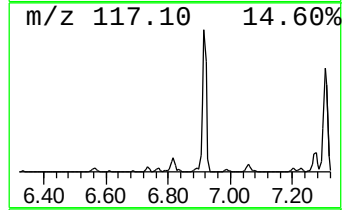
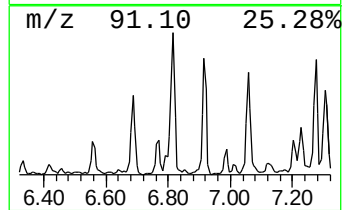
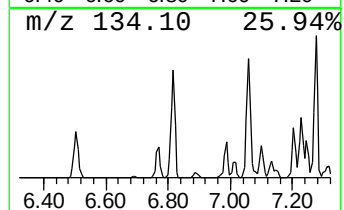
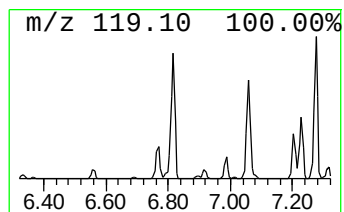
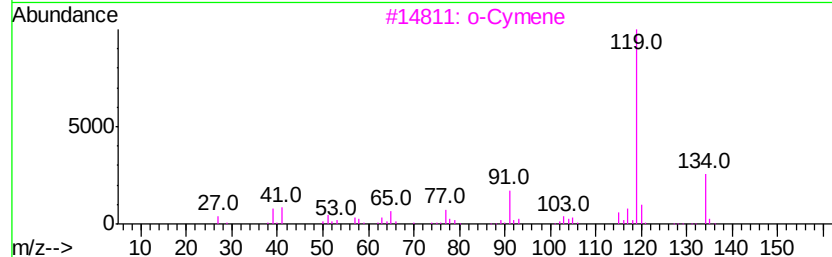
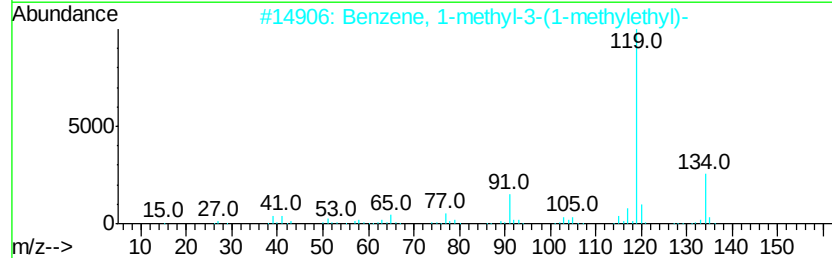
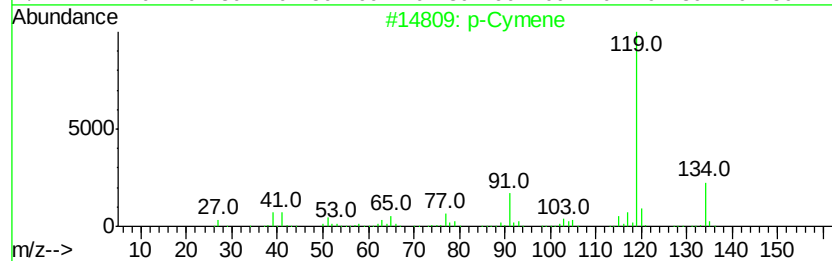
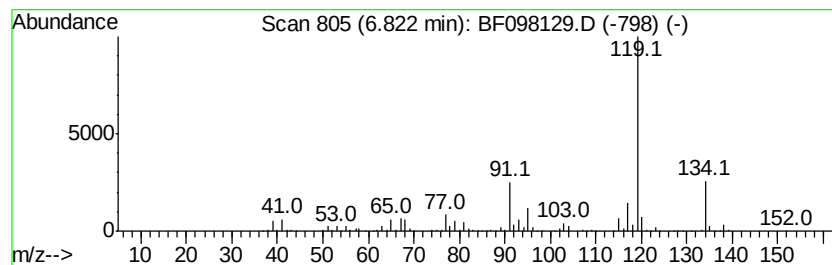
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 p-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	65.80 ng	2719820	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	94
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3		o-Cymene	134	C10H14	000527-84-4	92
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
5		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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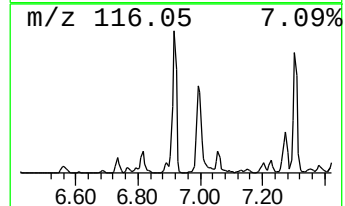
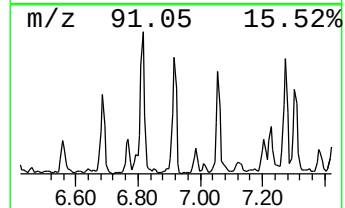
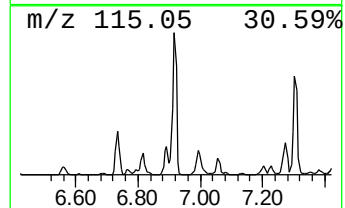
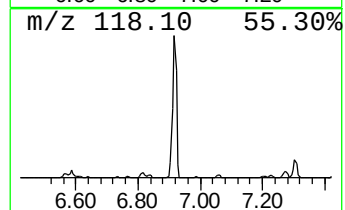
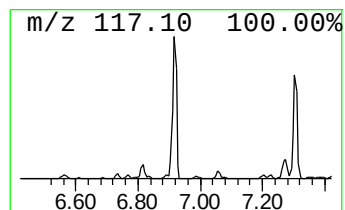
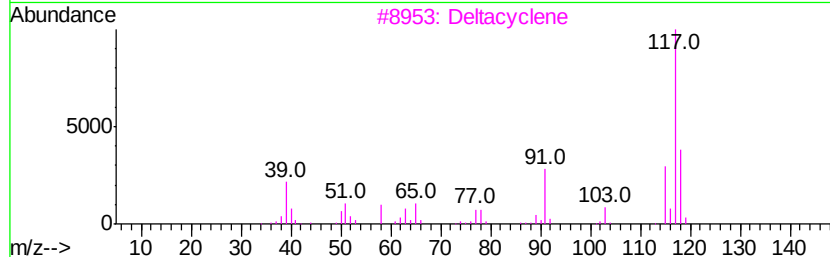
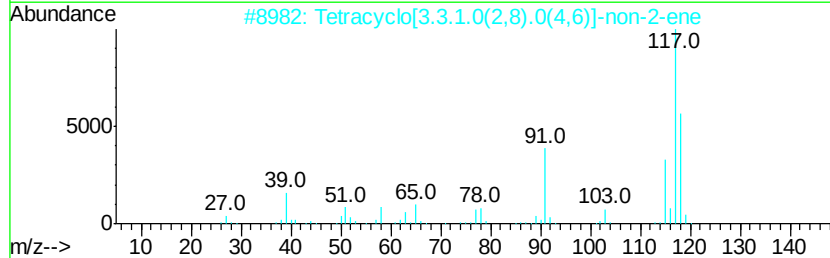
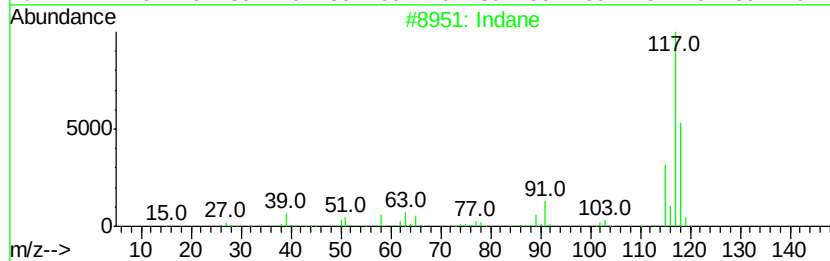
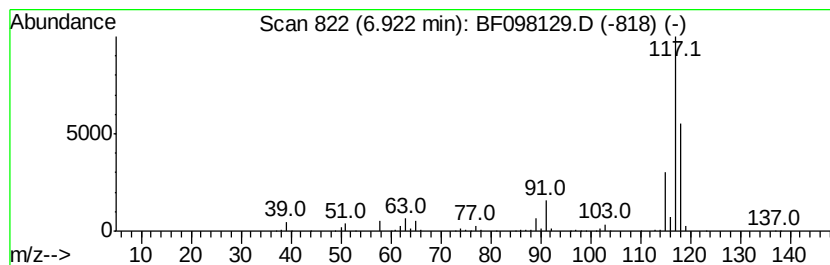
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	56.29 ng	2326790	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	72
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
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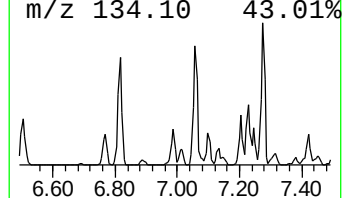
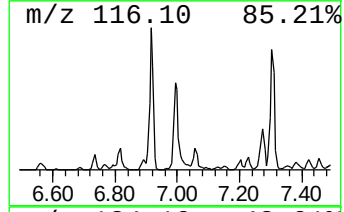
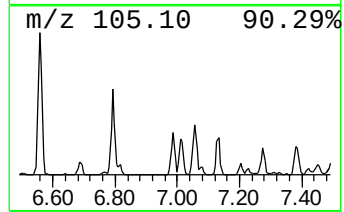
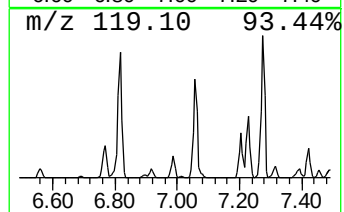
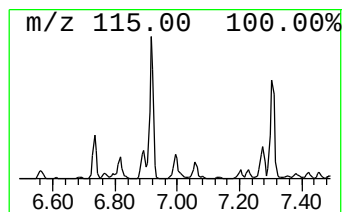
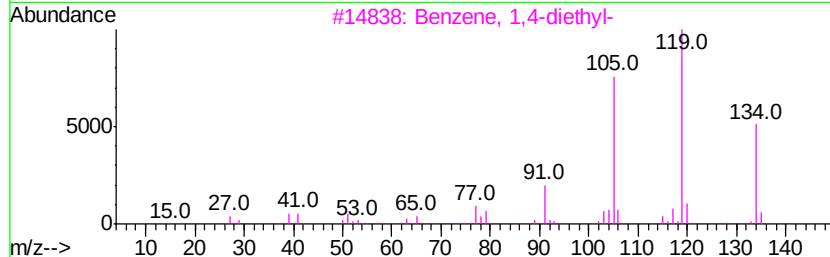
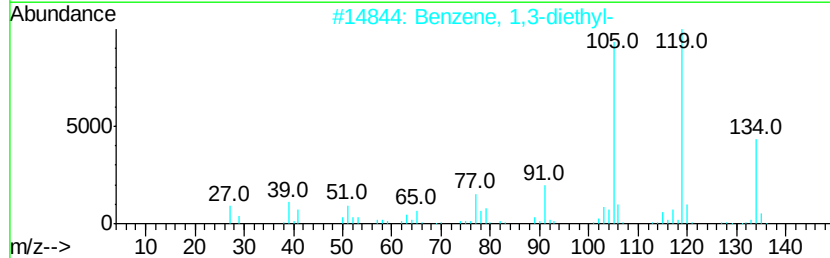
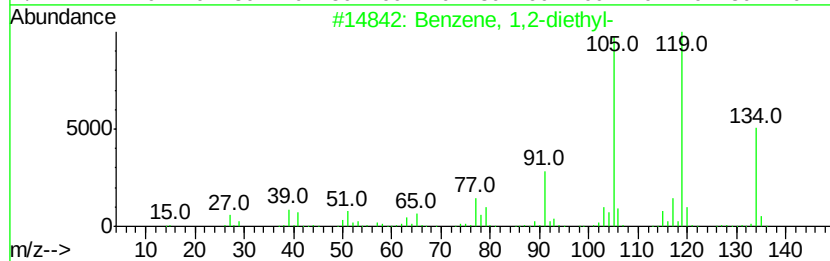
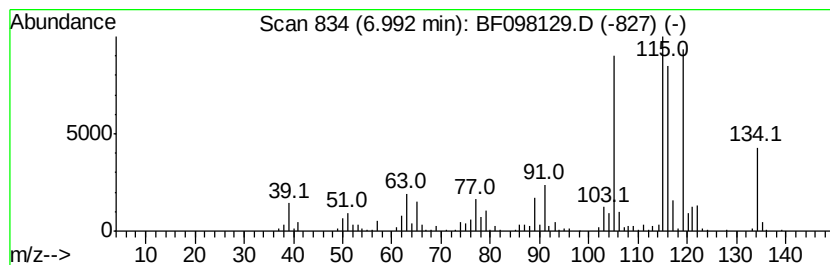
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	15.85 ng	655078	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	74
5		Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
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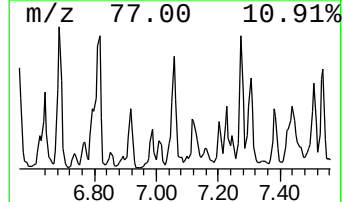
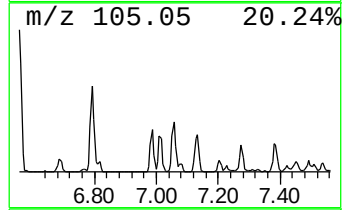
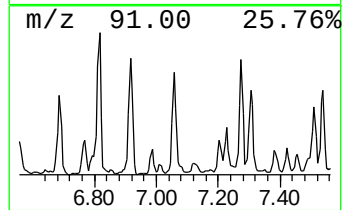
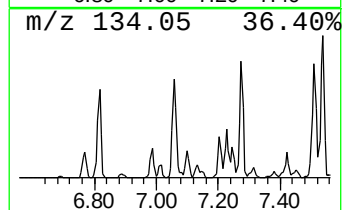
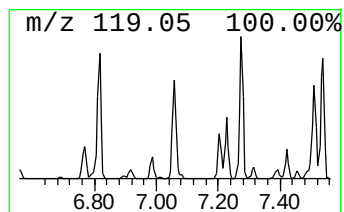
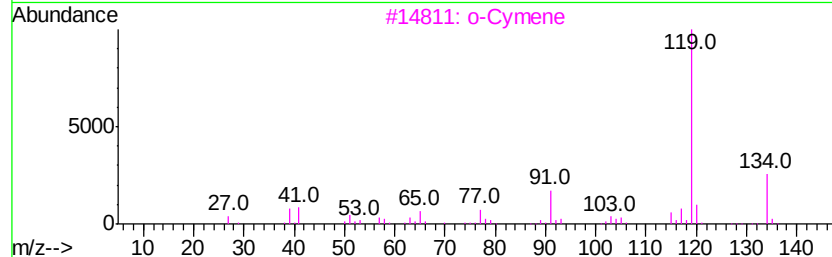
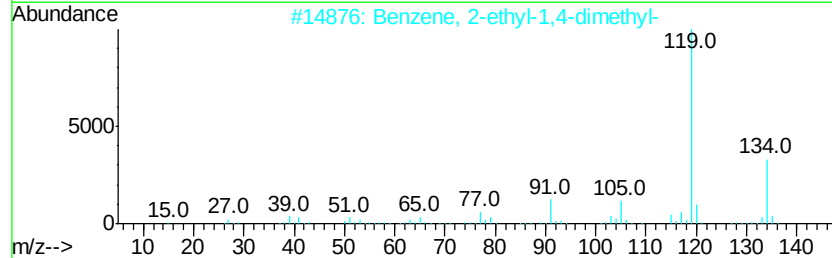
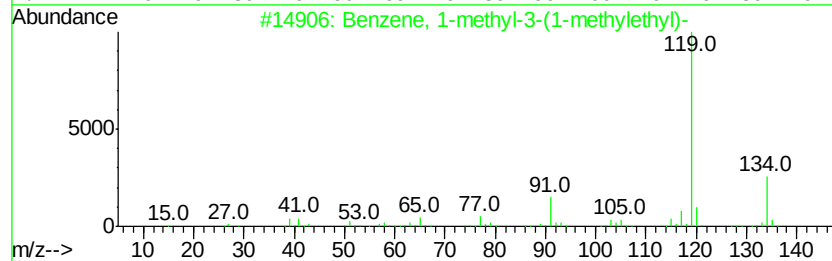
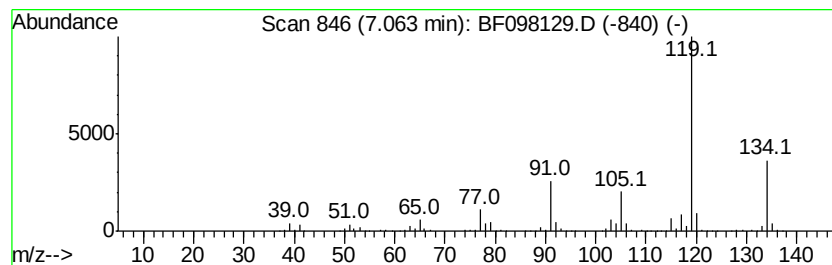
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	36.58 ng	1512050	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		o-Cymene	134	C10H14	000527-84-4	93
4		p-Cymene	134	C10H14	000099-87-6	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
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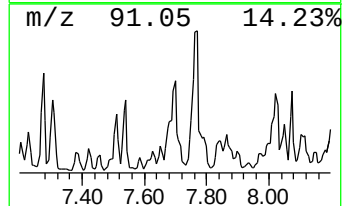
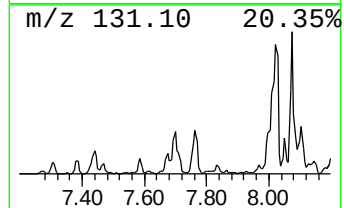
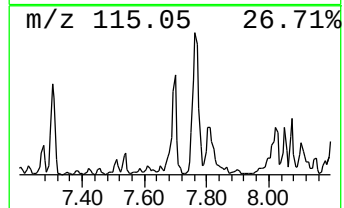
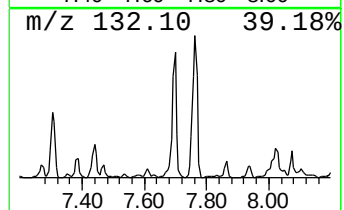
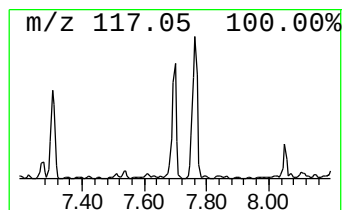
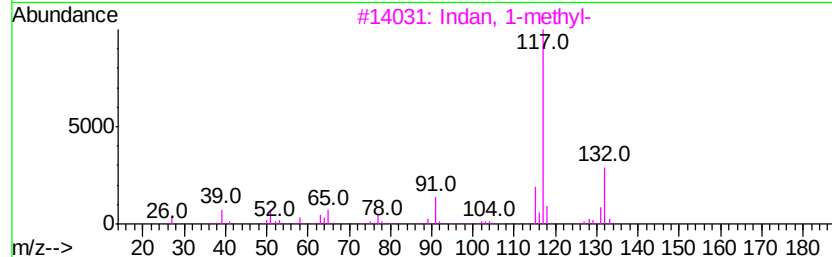
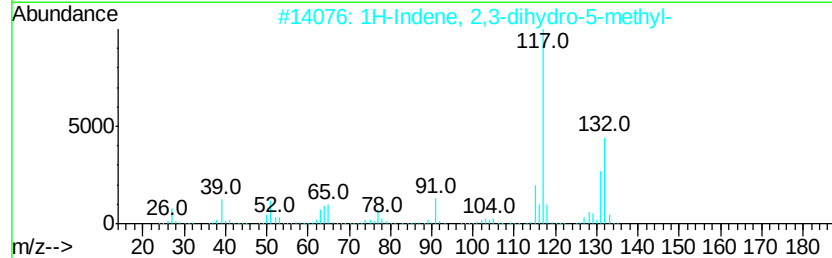
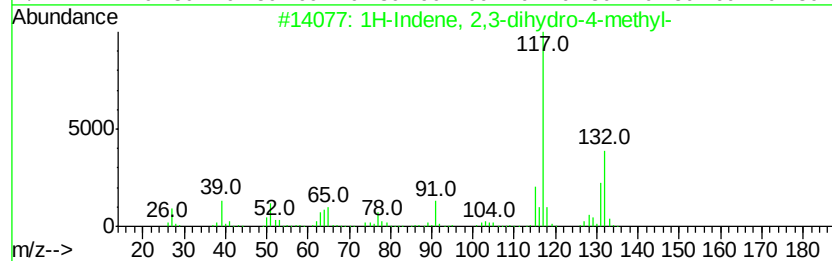
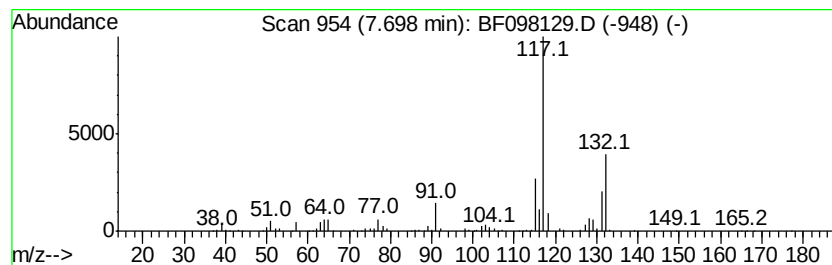
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	25.44 ng	3848370	Napthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3		Indan, 1-methyl-	132	C10H12	000767-58-8	87
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
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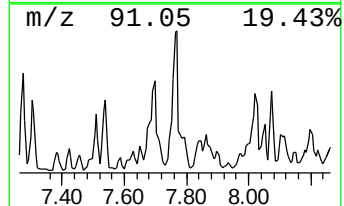
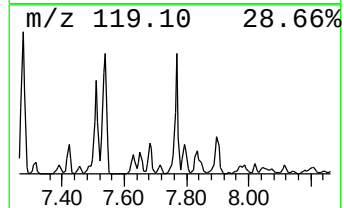
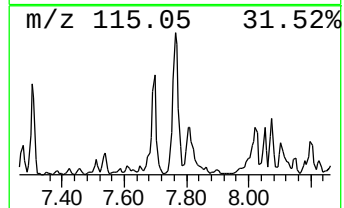
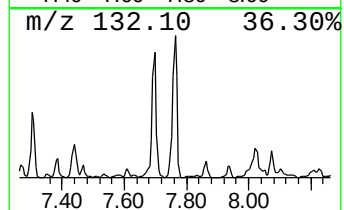
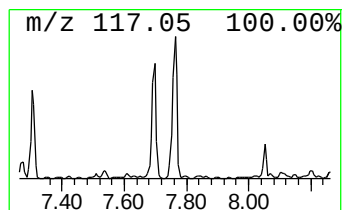
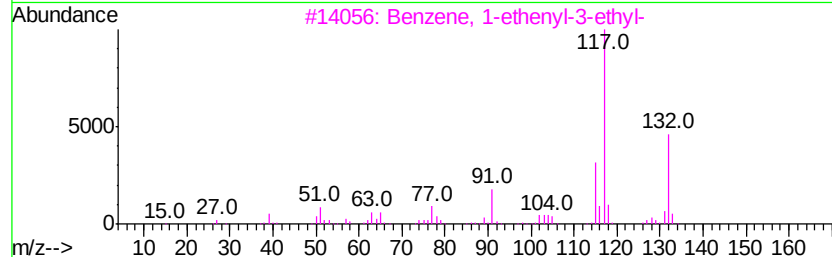
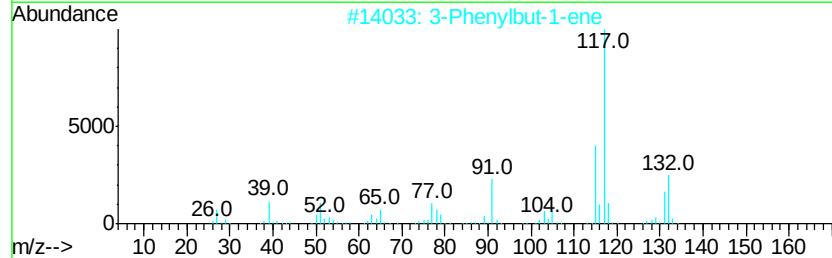
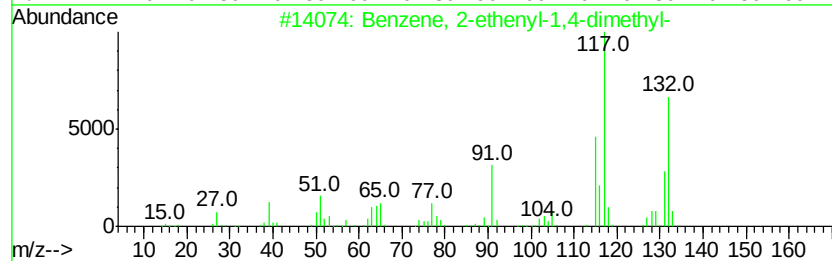
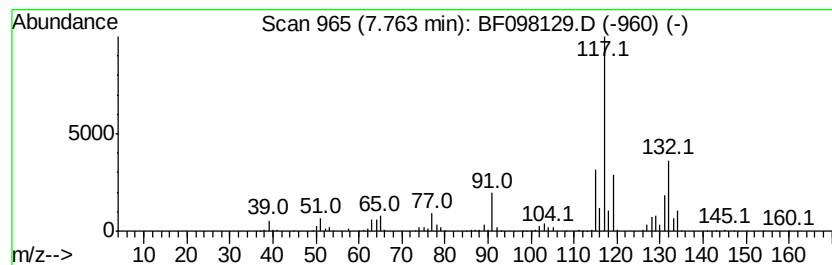
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	36.13 ng	5464820	Napthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
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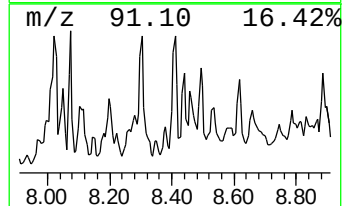
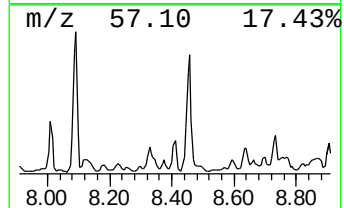
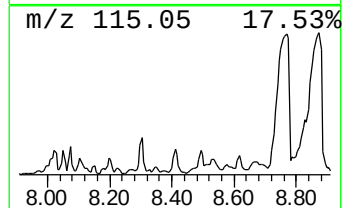
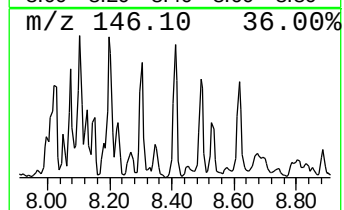
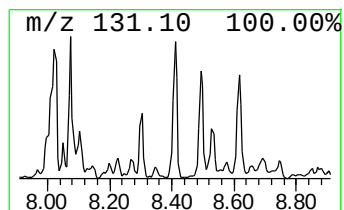
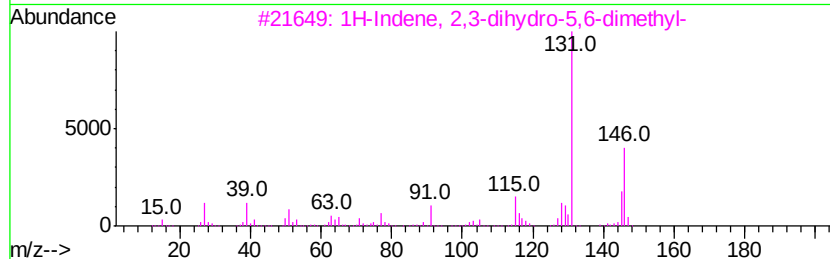
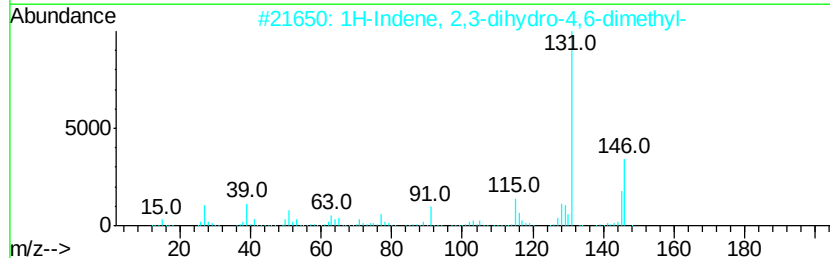
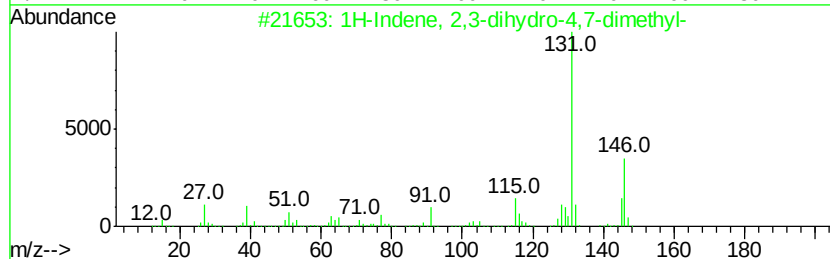
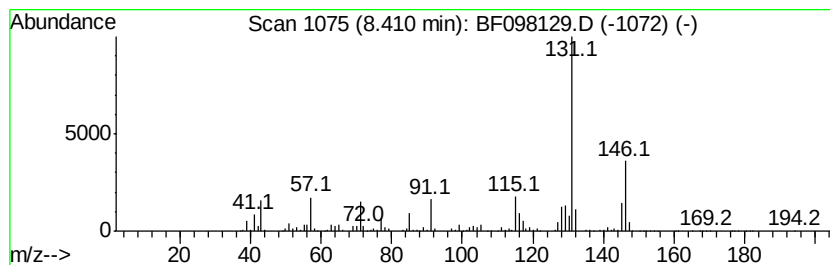
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	16.09 ng	2433110	Napthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2		1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
3		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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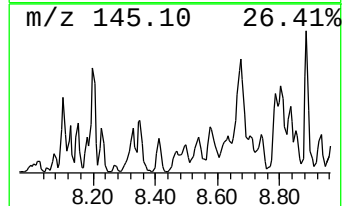
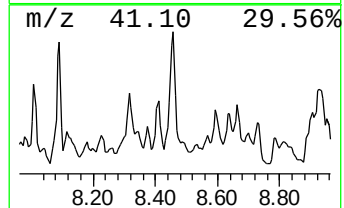
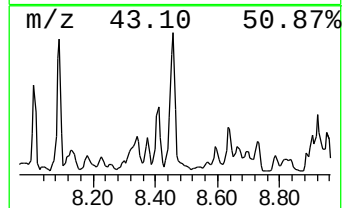
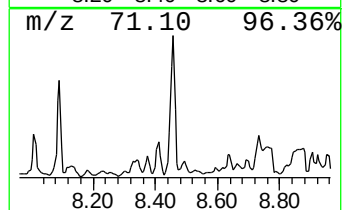
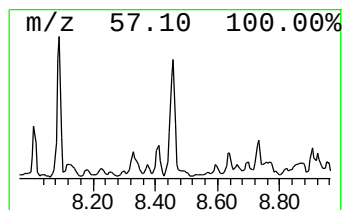
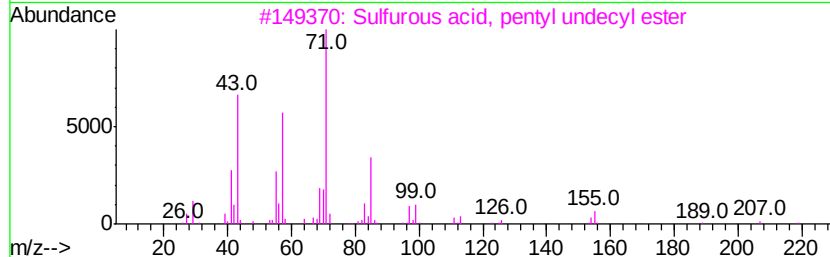
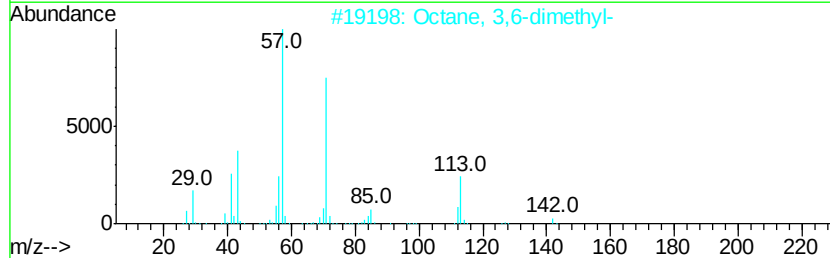
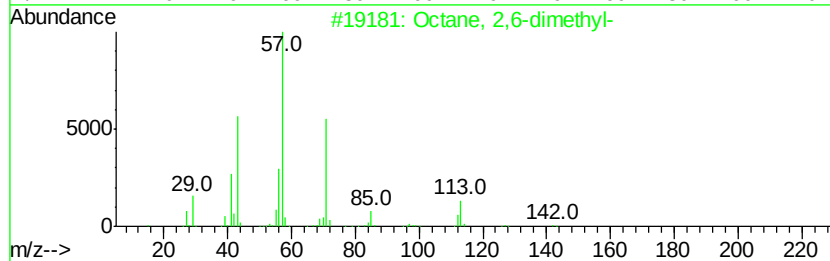
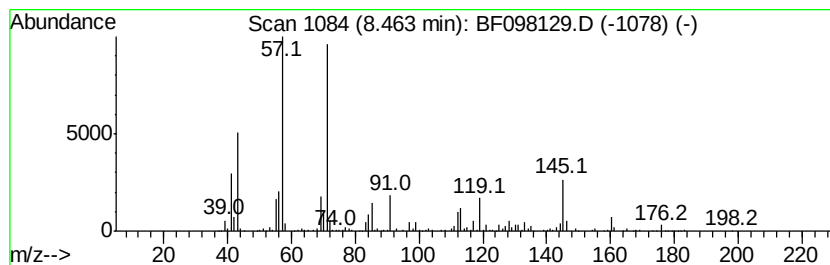
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	17.13 ng	2590680	Napthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3		Sulfurous acid, pentyl undecyl e...	306	C16H34O3S	1000309-14-4	64
4		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	59
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

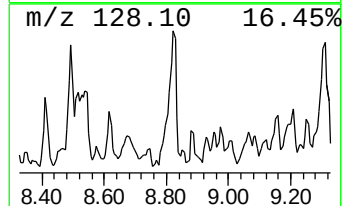
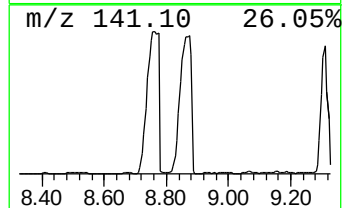
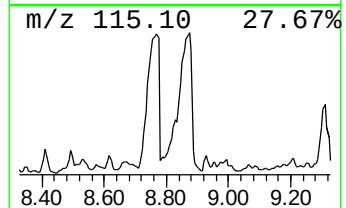
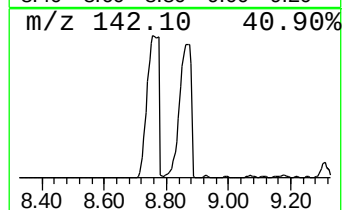
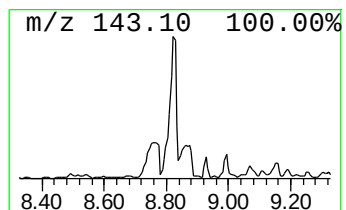
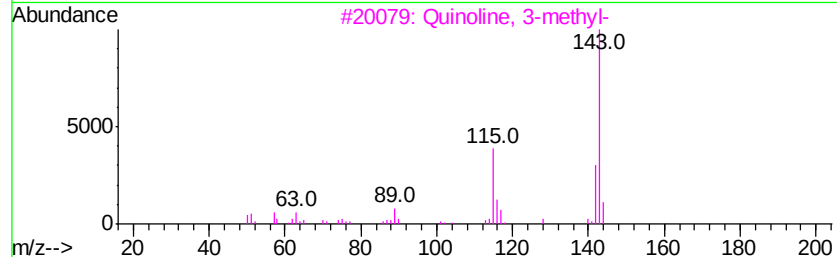
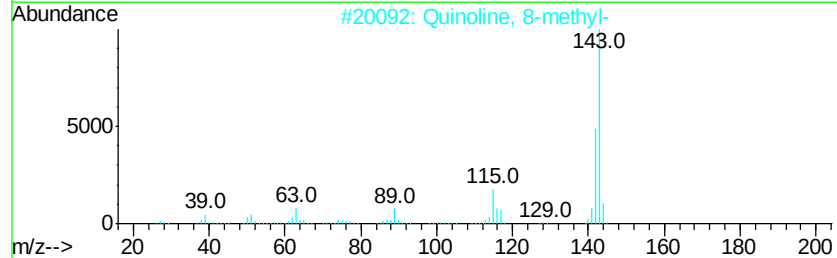
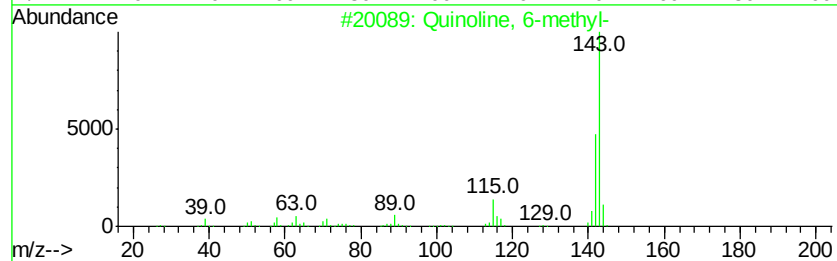
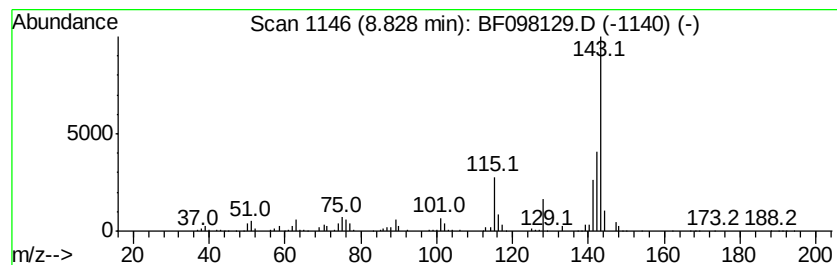
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Quinoline, 6-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	18.89 ng	2856960	Napthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	81
2		Quinoline, 8-methyl-	143	C10H9N	000611-32-5	81
3		Quinoline, 3-methyl-	143	C10H9N	000612-58-8	76
4		Quinoline, 7-methyl-	143	C10H9N	000612-60-2	76
5		Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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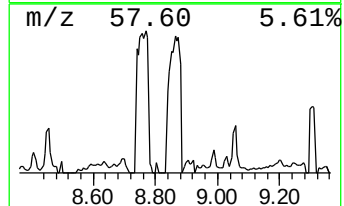
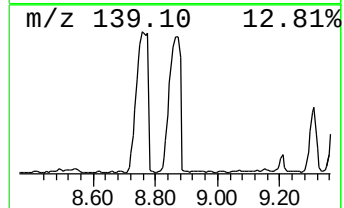
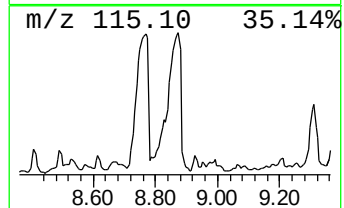
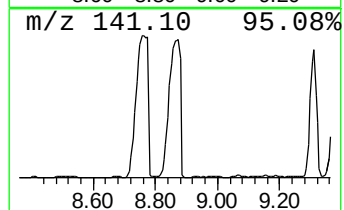
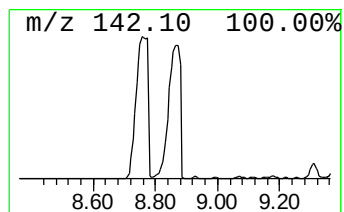
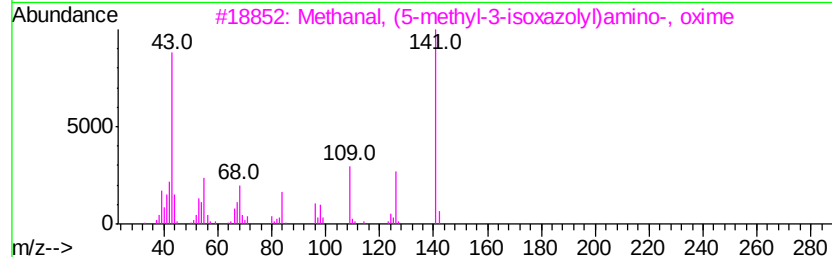
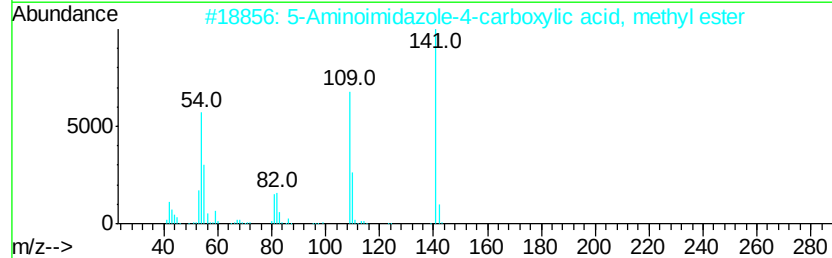
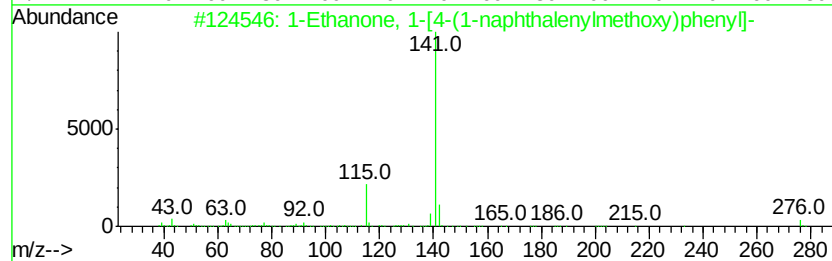
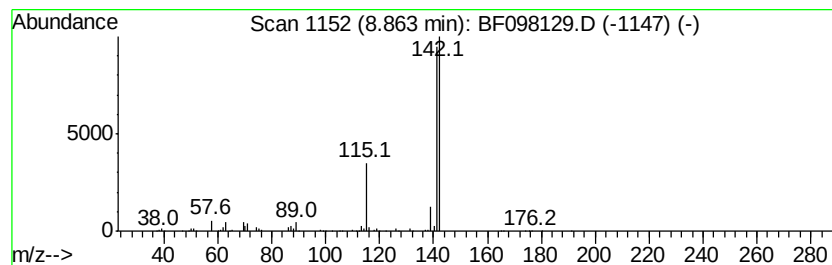
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown8.86 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	23.08 ng	3490350	Naphthalene-d8	8.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	9
2		5-Aminoimidazole-4-carboxylic ac...	141	C5H7N3O2	004919-00-0	5
3		Methanal, (5-methyl-3-isoxazolyl...	141	C5H7N3O2	1000262-88-5	4
4		6-Methyl-2-mercaptopyridine-1-oxide	141	C6H7NOS	051583-70-1	4
5		Methane, iodo-	142	CH3I	000074-88-4	4



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

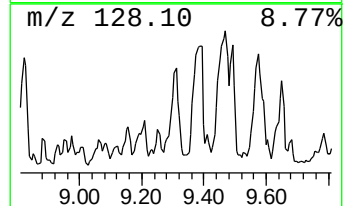
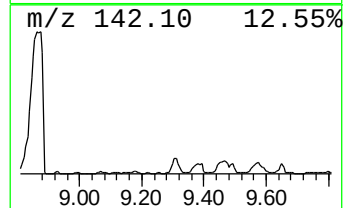
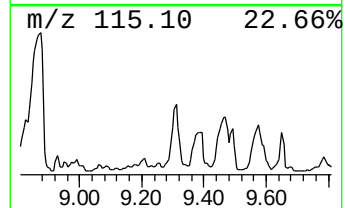
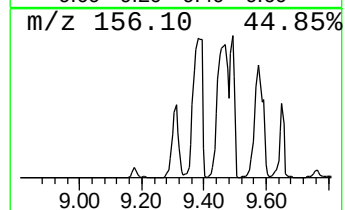
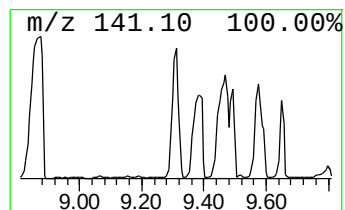
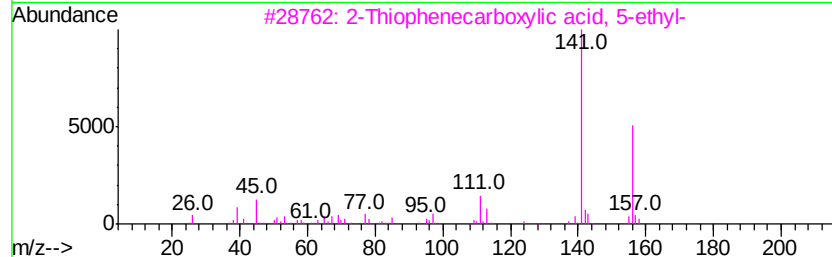
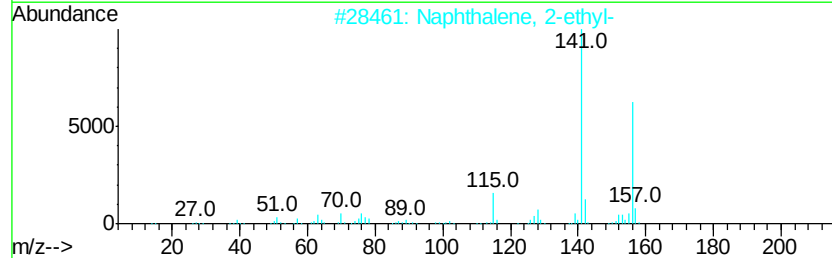
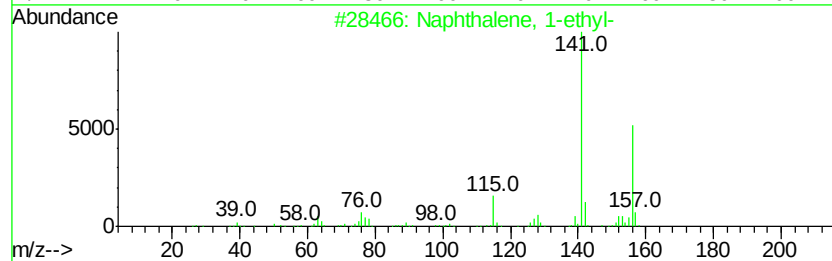
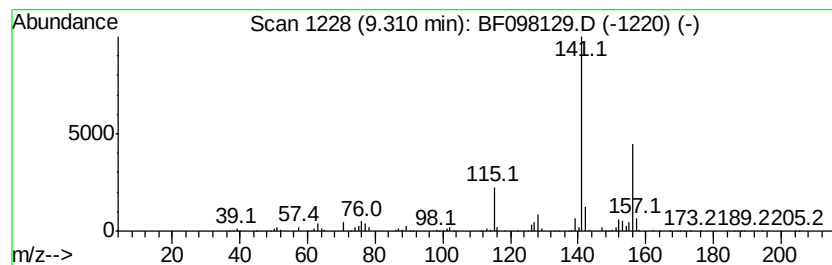
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	32.85 ng	5607080	Acenaphthene-d10	9.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 95
3		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 72
4		5-Acetyl-2-amino-4-methylthiazole	156 C6H8N2OS	030748-47-1 59
5		Naphthalene, 1-propyl-	170 C13H14	002765-18-6 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
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Sample : I4979-03 5X
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ClientSampleId :
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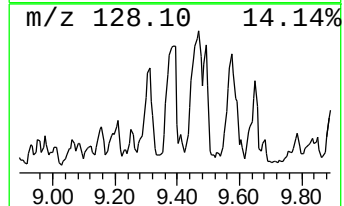
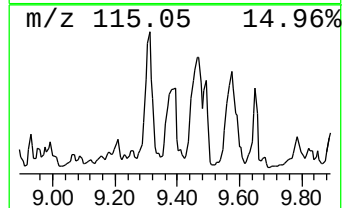
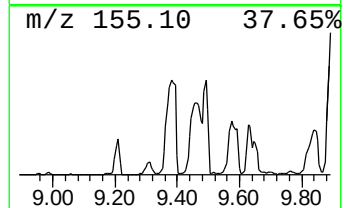
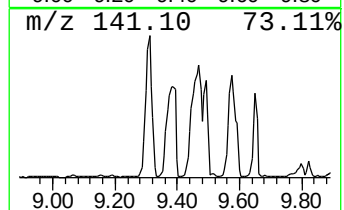
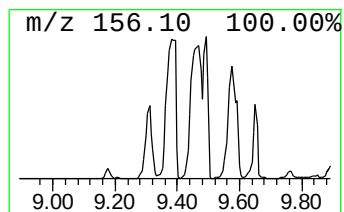
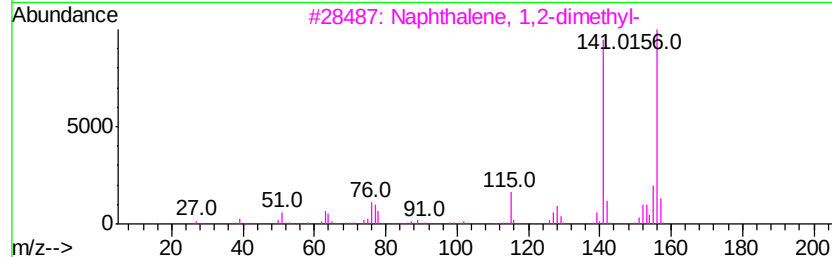
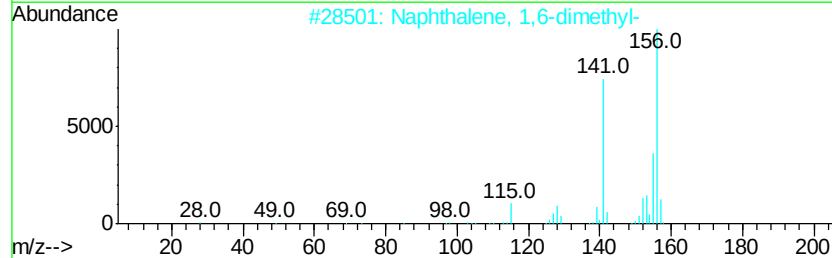
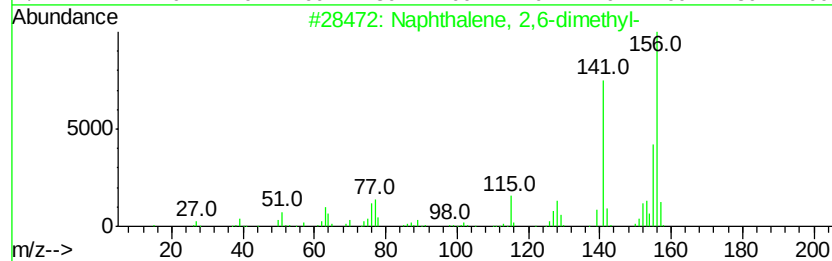
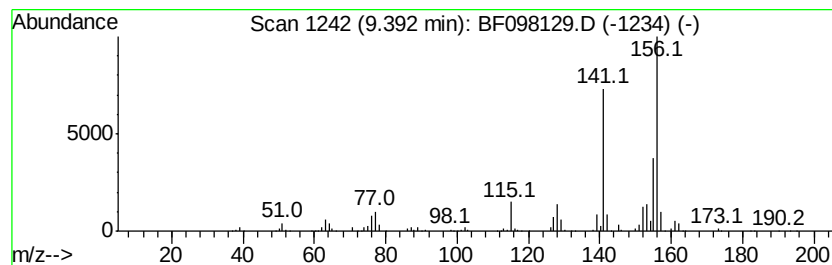
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	46.45 ng	7927060	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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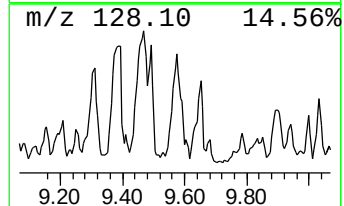
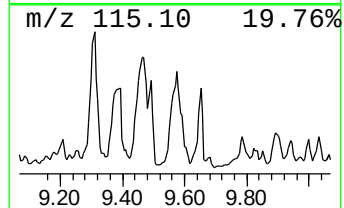
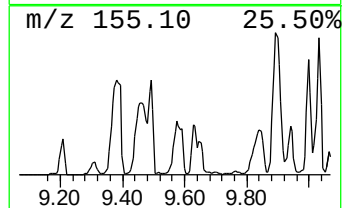
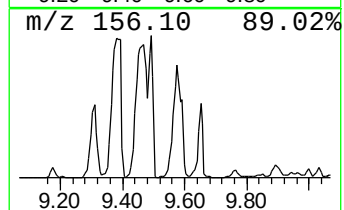
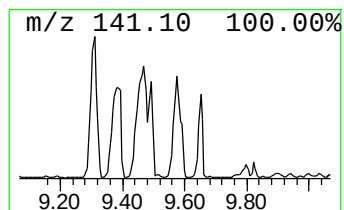
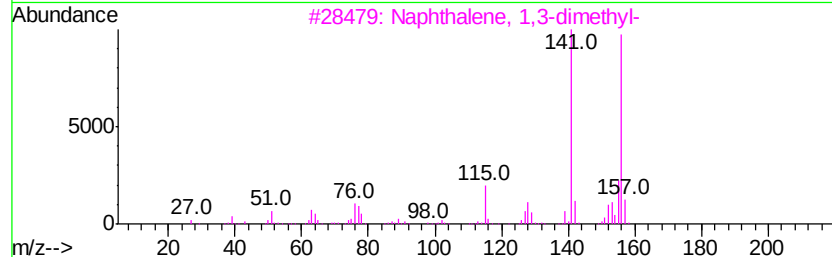
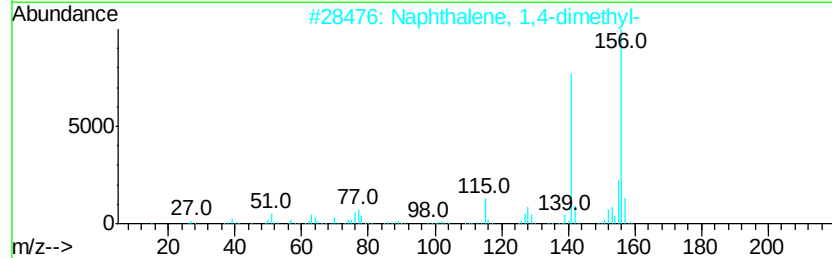
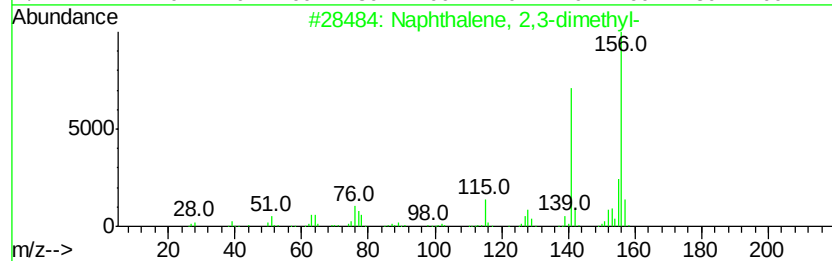
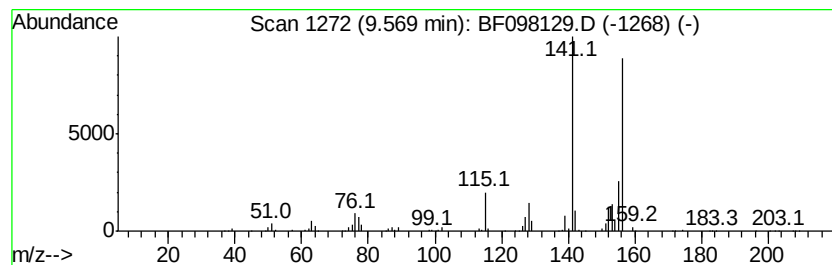
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	40.27 ng	6872090	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
5		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
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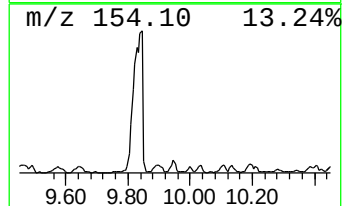
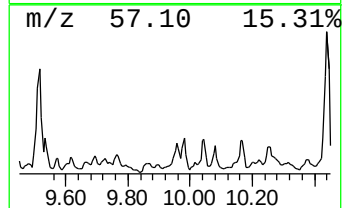
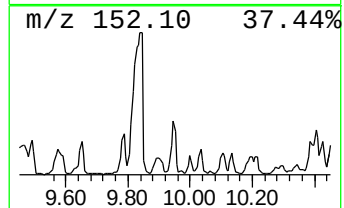
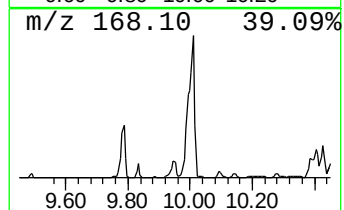
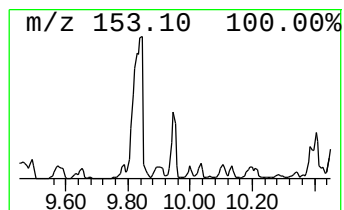
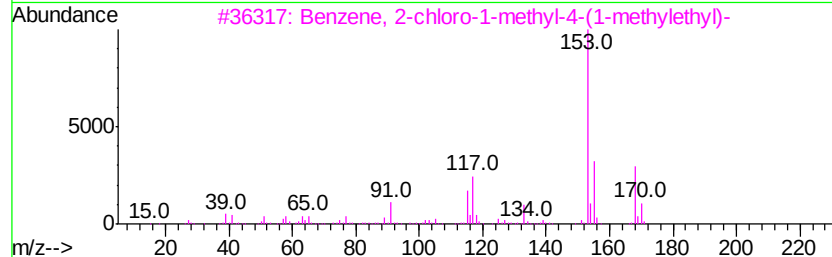
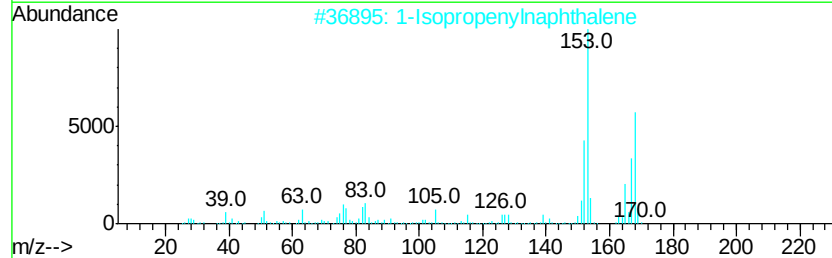
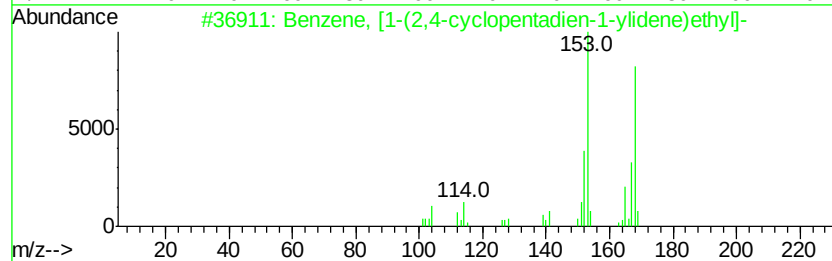
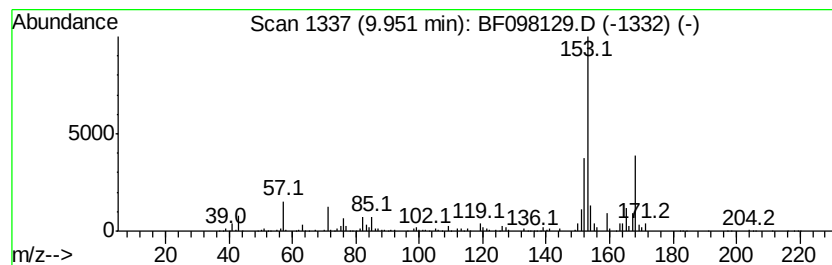
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzene, [1-(2,4-cyclopenta... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	21.60 ng	3686820	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	68
2		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
3		Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50
4		7H-Pyrrolo(2,3-d)pyrimidine, 4-c...	153	C6H4ClN3	003680-69-1	43
5		Ethanone, 1-(2,3,4-trihydroxyph...	168	C8H8O4	000528-21-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082917\
Data File : BF098129.D
Acq On : 29 Aug 2017 23:49
Operator : SJ/JU
Sample : I4979-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

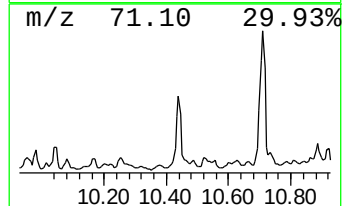
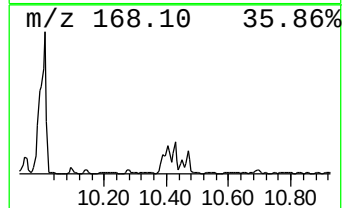
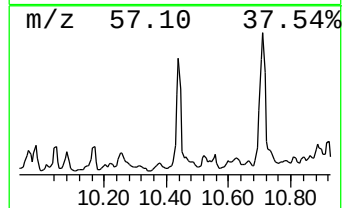
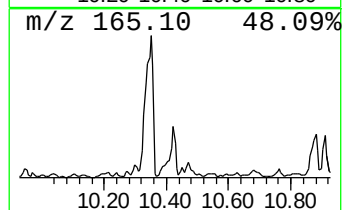
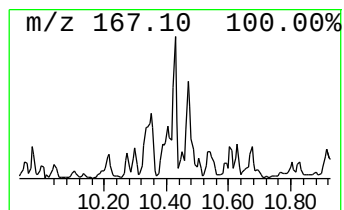
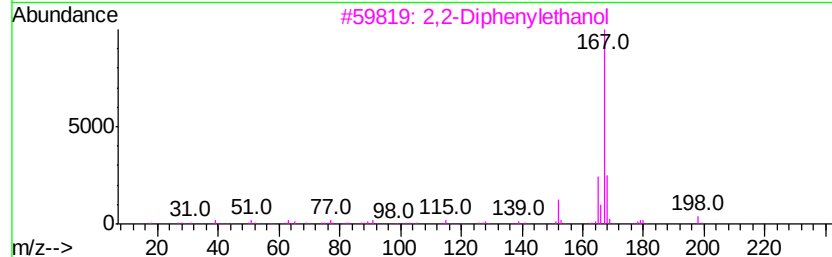
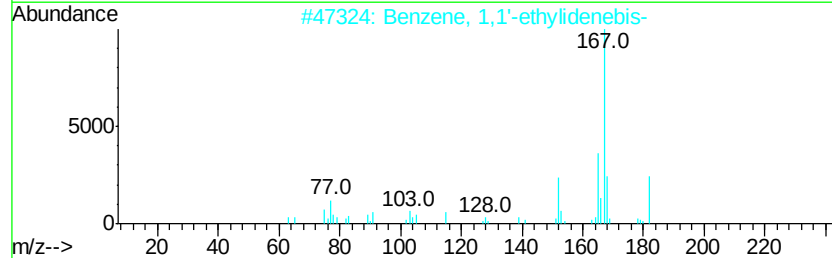
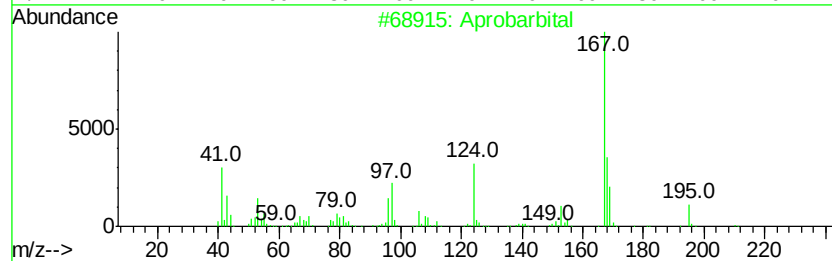
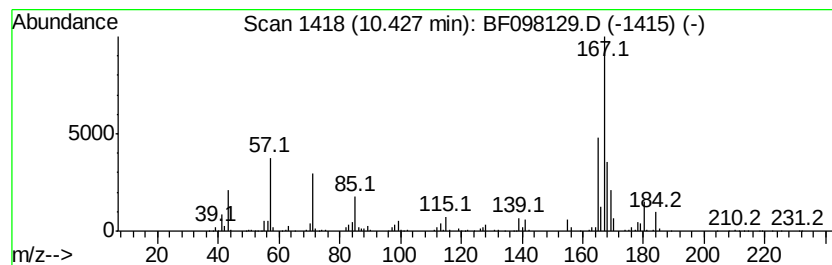
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown10.43 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	15.61 ng	2664650	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Aprobarbital	210	C10H14N2O3	000077-02-1	43
2		Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	40
3		2,2-Diphenylethanol	198	C14H14O	001883-32-5	38
4		Benzeneacetaldehyde, .alpha.-phe...	196	C14H12O	000947-91-1	38
5		2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082917\
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 Operator : SJ/JU
 Sample : I4979-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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
Cyclohexane, 1-me...	6.43	40.7	ng	1682560	1	6.73	826671	20.0
unknown6.50	6.50	24.1	ng	994069	1	6.73	826671	20.0
Mesitylene	6.56	48.2	ng	1993060	1	6.73	826671	20.0
p-Cymene	6.82	65.8	ng	2719820	1	6.73	826671	20.0
Indane	6.92	56.3	ng	2326790	1	6.73	826671	20.0
Benzene, 1,2-diet...	6.99	15.9	ng	655078	1	6.73	826671	20.0
Benzene, 1-methyl...	7.06	36.6	ng	1512050	1	6.73	826671	20.0
1H-Indene, 2,3-di...	7.70	25.4	ng	3848370	2	8.03	3025050	20.0
Benzene, 2-etheny...	7.76	36.1	ng	5464820	2	8.03	3025050	20.0
1H-Indene, 2,3-di...	8.41	16.1	ng	2433110	2	8.03	3025050	20.0
Octane, 2,6-dimet...	8.46	17.1	ng	2590680	2	8.03	3025050	20.0
Quinoline, 6-methyl-	8.83	18.9	ng	2856960	2	8.03	3025050	20.0
unknown8.86	8.86	23.1	ng	3490350	2	8.03	3025050	20.0
Naphthalene, 1-et...	9.31	32.9	ng	5607080	3	9.79	3413350	20.0
Naphthalene, 2,6-...	9.39	46.5	ng	7927060	3	9.79	3413350	20.0
Naphthalene, 2,3-...	9.57	40.3	ng	6872090	3	9.79	3413350	20.0
Benzene, [1-(2,4-...	9.95	21.6	ng	3686820	3	9.79	3413350	20.0
unknown10.43	10.43	15.6	ng	2664650	3	9.79	3413350	20.0