

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112024.D
 Acq On : 11 Jan 2019 19:17
 Operator : JU/SJ
 Sample : K1011-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011019-B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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	5.504	577	581	590	rBV	1223985	1198817	40.06%	2.393%
2	6.510	748	752	762	rBV	1256841	1092280	36.50%	2.180%
3	6.646	771	775	779	rBV	1348090	1089274	36.40%	2.174%
4	6.875	810	814	817	rBV	696162	633748	21.17%	1.265%
5	7.028	836	840	844	rBV	1049752	837914	28.00%	1.673%
6	7.428	899	908	913	rBV	803964	665925	22.25%	1.329%
7	8.157	1026	1032	1034	rBV	829863	798599	26.68%	1.594%
8	8.175	1034	1035	1038	rVB	201511	128271	4.29%	0.256%
9	8.869	1149	1153	1156	rBV	770765	577810	19.31%	1.153%
10	8.969	1164	1170	1173	rBV	869137	715708	23.91%	1.429%
11	9.228	1210	1214	1217	rBV	1471258	1138349	38.03%	2.272%
12	9.345	1229	1234	1237	rVB2	209089	228715	7.64%	0.457%
13	9.428	1245	1248	1253	rVB	210197	258172	8.63%	0.515%
14	9.498	1255	1260	1263	rBV	507839	663635	22.17%	1.325%
15	9.569	1268	1272	1275	rVV	929164	933898	31.20%	1.864%
16	9.598	1275	1277	1279	rVV	562373	496129	16.58%	0.990%
17	9.616	1279	1280	1286	rVV2	341879	298116	9.96%	0.595%
18	9.686	1288	1292	1298	rBV	492566	525209	17.55%	1.048%
19	9.769	1303	1306	1311	rVB	468833	381954	12.76%	0.762%
20	9.886	1324	1326	1327	rBV	148405	113475	3.79%	0.227%
21	9.910	1327	1330	1333	rVV2	931166	814786	27.22%	1.626%
22	9.945	1333	1336	1339	rVV	517027	489304	16.35%	0.977%
23	10.016	1344	1348	1352	rBV2	225308	297074	9.93%	0.593%
24	10.057	1352	1355	1358	rVV3	115616	158360	5.29%	0.316%
25	10.110	1361	1364	1368	rVV	415738	460273	15.38%	0.919%
26	10.151	1368	1371	1374	rVV	308882	266440	8.90%	0.532%
27	10.228	1380	1384	1386	rVV2	287519	283886	9.49%	0.567%
28	10.257	1386	1389	1392	rVV	213078	181154	6.05%	0.362%
29	10.316	1395	1399	1401	rBV	188824	273532	9.14%	0.546%
30	10.333	1401	1402	1405	rVB2	192550	131329	4.39%	0.262%
31	10.410	1412	1415	1417	rVV2	166747	155402	5.19%	0.310%
32	10.457	1420	1423	1429	rVV2	898131	904599	30.22%	1.806%
33	10.510	1429	1432	1433	rVV	162411	174985	5.85%	0.349%
34	10.522	1433	1434	1436	rVV	236366	197717	6.61%	0.395%

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Integrator: RTE

Smoothing : ON

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35	10.545	1436	1438	1440	rVV2	249153	221065	7.39%	0.441%
36	10.569	1440	1442	1444	rVV	175992	163176	5.45%	0.326%
37	10.610	1444	1449	1454	rVV3	191537	338607	11.31%	0.676%
38	10.698	1458	1464	1468	rVV2	973136	946443	31.62%	1.889%
39	10.822	1480	1485	1488	rVB4	141896	173703	5.80%	0.347%
40	11.004	1509	1516	1519	rVV2	362576	528134	17.65%	1.054%
41	11.033	1519	1521	1524	rVV	369890	335980	11.23%	0.671%
42	11.092	1528	1531	1533	rVV	241587	219622	7.34%	0.438%
43	11.157	1540	1542	1544	rVV2	143945	131497	4.39%	0.262%
44	11.204	1547	1550	1553	rVV4	88492	108662	3.63%	0.217%
45	11.245	1554	1557	1561	rVV3	109997	161194	5.39%	0.322%
46	11.292	1562	1565	1570	rVB	473106	432235	14.44%	0.863%
47	11.398	1580	1583	1585	rBV	821785	797329	26.64%	1.592%
48	11.428	1585	1588	1591	rVV	3355666	2861789	95.62%	5.713%
49	11.475	1593	1596	1599	rVV	884127	722476	24.14%	1.442%
50	11.504	1599	1601	1604	rVV2	184050	223788	7.48%	0.447%
51	11.533	1604	1606	1608	rVV	112298	109703	3.67%	0.219%
52	11.551	1608	1609	1612	rVV2	109760	119457	3.99%	0.238%
53	11.628	1619	1622	1629	rVV3	139497	248709	8.31%	0.496%
54	11.692	1630	1633	1635	rVV2	146502	133592	4.46%	0.267%
55	11.728	1635	1639	1643	rVV	359729	363363	12.14%	0.725%
56	11.810	1650	1653	1657	rVB	228701	253549	8.47%	0.506%
57	11.904	1665	1669	1671	rVV	795782	800397	26.74%	1.598%
58	11.928	1671	1673	1678	rVB	975669	846555	28.29%	1.690%
59	11.975	1678	1681	1684	rBV	353362	353723	11.82%	0.706%
60	12.016	1684	1688	1690	rVV2	1152734	1329746	44.43%	2.654%
61	12.033	1690	1691	1696	rVB	681612	518260	17.32%	1.035%
62	12.192	1715	1718	1721	rVV	391339	335487	11.21%	0.670%
63	12.227	1721	1724	1729	rVB3	143499	215226	7.19%	0.430%
64	12.345	1742	1744	1746	rVV	176219	139468	4.66%	0.278%
65	12.375	1746	1749	1751	rVV	204404	186461	6.23%	0.372%
66	12.398	1751	1753	1756	rVB2	153526	131072	4.38%	0.262%
67	12.451	1758	1762	1765	rBV	536160	598671	20.00%	1.195%
68	12.492	1765	1769	1771	rVV2	363290	505024	16.87%	1.008%
69	12.539	1774	1777	1782	rBV2	214016	388568	12.98%	0.776%
70	12.616	1786	1790	1794	rBV	2509856	2374374	79.33%	4.740%
71	12.657	1794	1797	1799	rVV	126232	135875	4.54%	0.271%

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72	12.675	1799	1800	1803	rVV2	147645	118944	3.97%	0.237%
73	12.769	1813	1816	1819	rVV2	182134	224469	7.50%	0.448%
74	12.845	1823	1829	1835	rVV	2399211	2992913	100.00%	5.974%
75	12.898	1835	1838	1841	rVB2	148071	190963	6.38%	0.381%
76	12.980	1846	1852	1854	rVV	1354434	1310714	43.79%	2.616%
77	12.998	1854	1855	1859	rVB2	147774	126822	4.24%	0.253%
78	13.057	1862	1865	1873	rVB5	276121	438031	14.64%	0.874%
79	13.116	1873	1875	1877	rBV2	118275	104696	3.50%	0.209%
80	13.169	1881	1884	1887	rVB	585230	601532	20.10%	1.201%
81	13.239	1893	1896	1899	rVB	408975	367293	12.27%	0.733%
82	13.274	1899	1902	1906	rBV2	369414	379710	12.69%	0.758%
83	13.369	1915	1918	1920	rBV	276666	225429	7.53%	0.450%
84	13.398	1920	1923	1926	rVB	320946	269221	9.00%	0.537%
85	13.657	1963	1967	1969	rBV4	126975	198365	6.63%	0.396%
86	13.792	1986	1990	1992	rBV2	238232	275569	9.21%	0.550%
87	13.816	1992	1994	1997	rVB	172743	128125	4.28%	0.256%
88	13.845	1997	1999	2002	rBV2	133266	159395	5.33%	0.318%
89	14.039	2027	2032	2035	rBV2	1211774	1746213	58.34%	3.486%
90	14.069	2035	2037	2044	rVB	1049562	889203	29.71%	1.775%
91	14.151	2049	2051	2054	rVB	169222	130252	4.35%	0.260%
92	14.427	2096	2098	2101	rVB	262849	206571	6.90%	0.412%
93	14.463	2102	2104	2106	rVB	151935	110772	3.70%	0.221%
94	14.504	2108	2111	2113	rBV2	142318	171760	5.74%	0.343%
95	14.551	2117	2119	2121	rBV	158714	143433	4.79%	0.286%
96	15.092	2207	2211	2214	rBV	488751	749520	25.04%	1.496%
97	15.398	2260	2263	2268	rVB	296437	376210	12.57%	0.751%
98	15.463	2270	2274	2279	rVB	439507	567602	18.96%	1.133%
99	15.521	2280	2284	2287	rBV	389146	512160	17.11%	1.022%
100	17.015	2533	2538	2544	rVB2	182595	362173	12.10%	0.723%

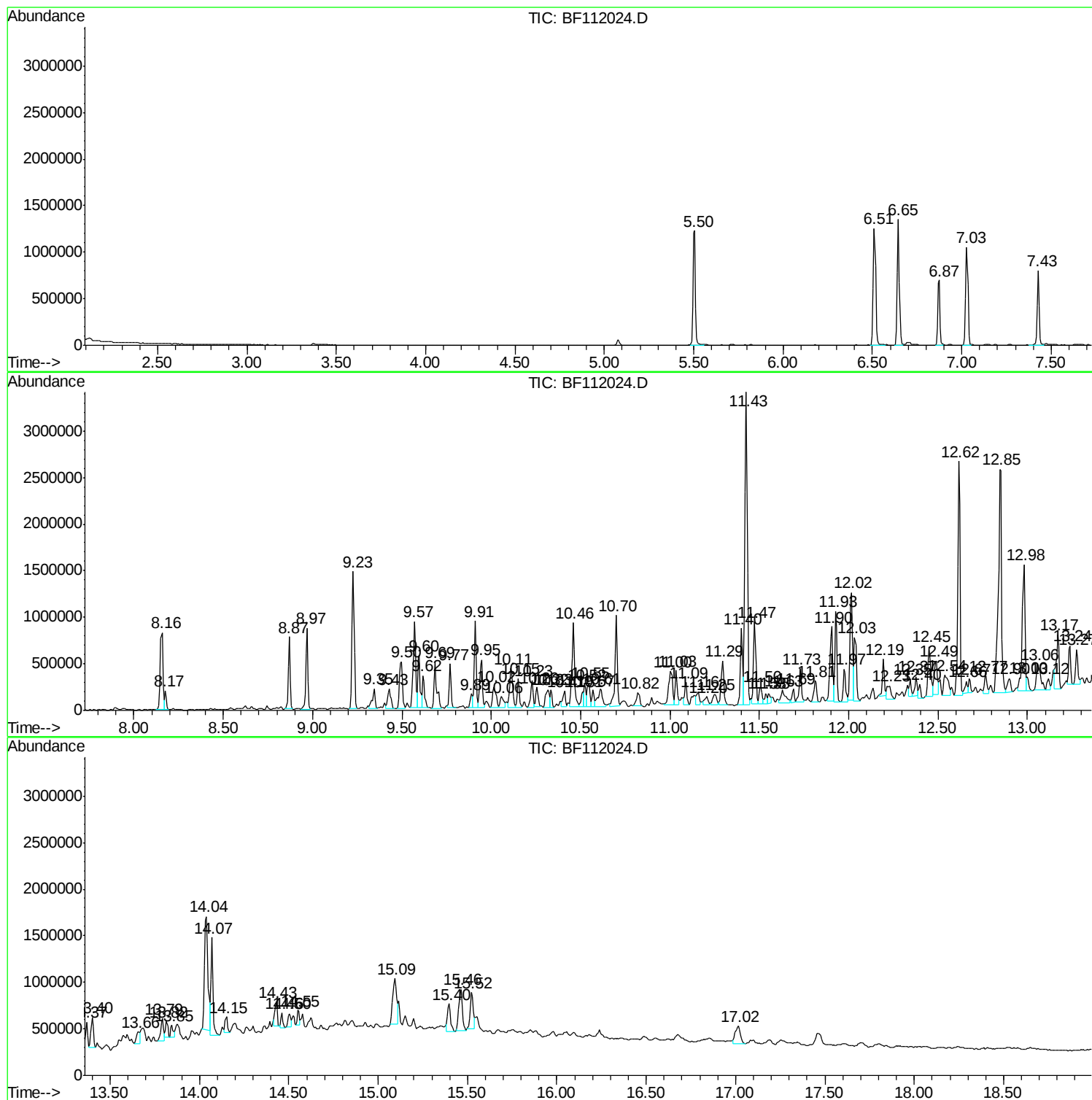
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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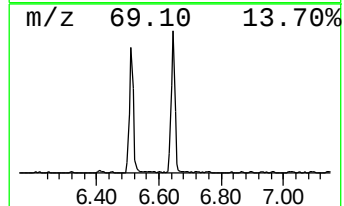
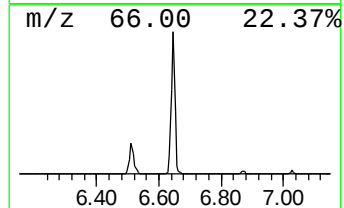
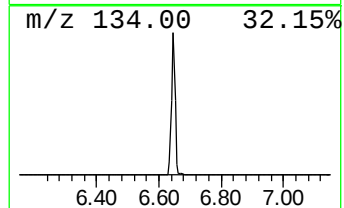
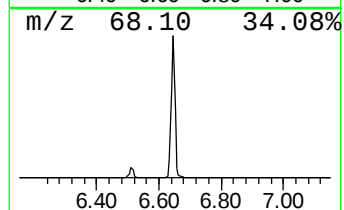
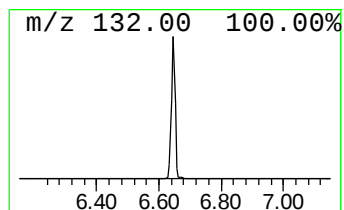
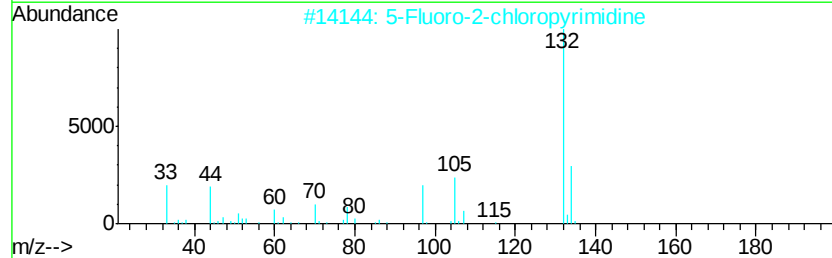
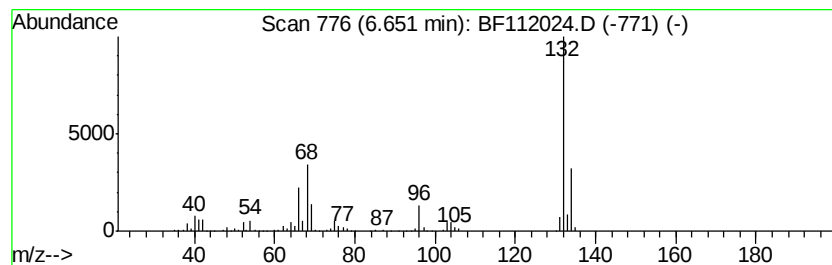
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	34.38 ng	1089270	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypramine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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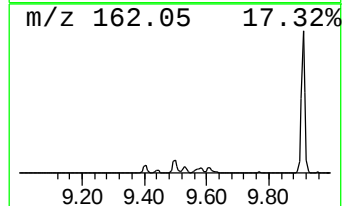
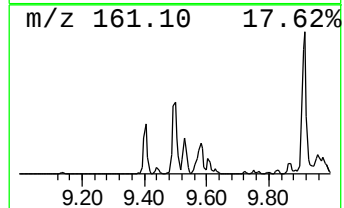
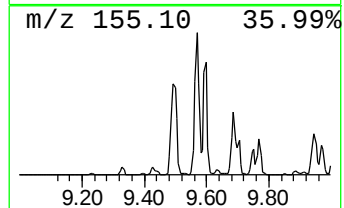
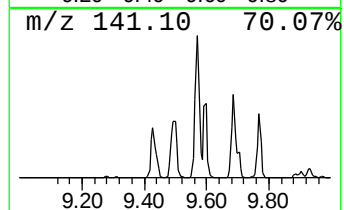
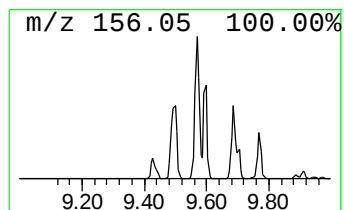
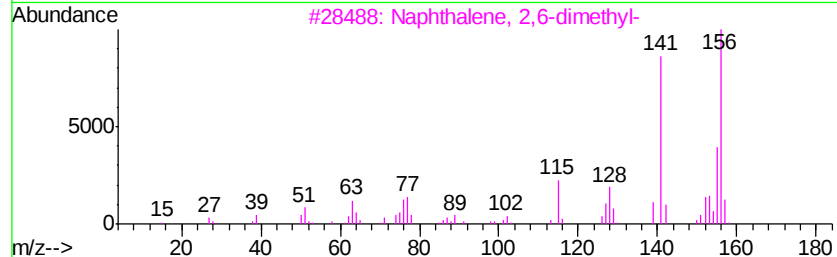
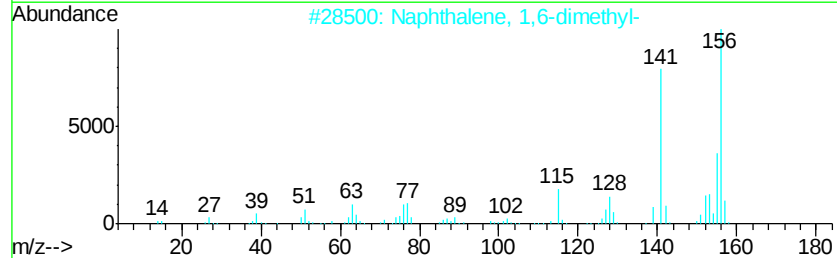
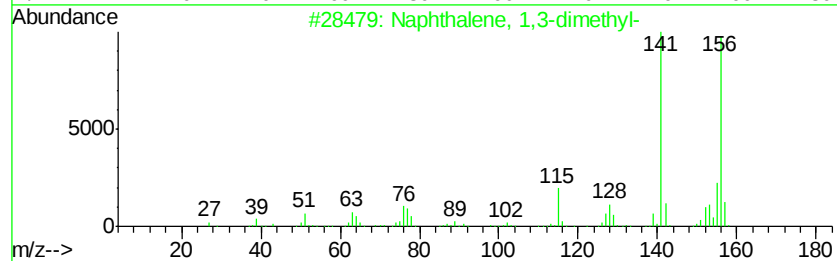
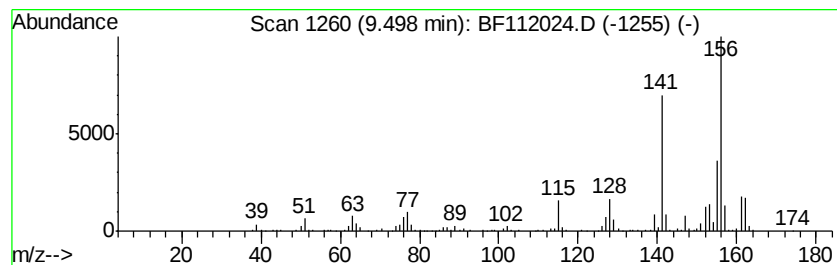
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.		
9.50	16.29 ng	663635	Acenaphthene-d10		9.91		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



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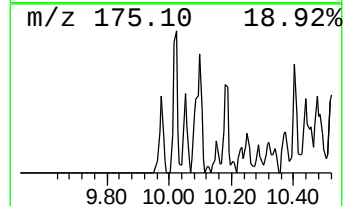
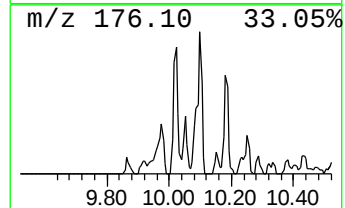
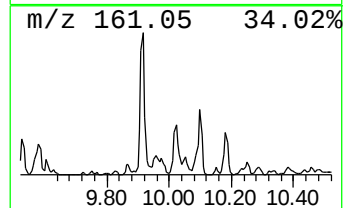
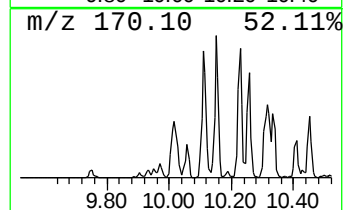
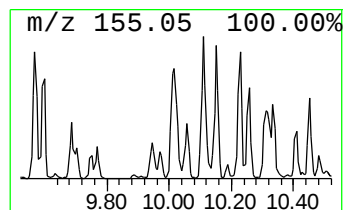
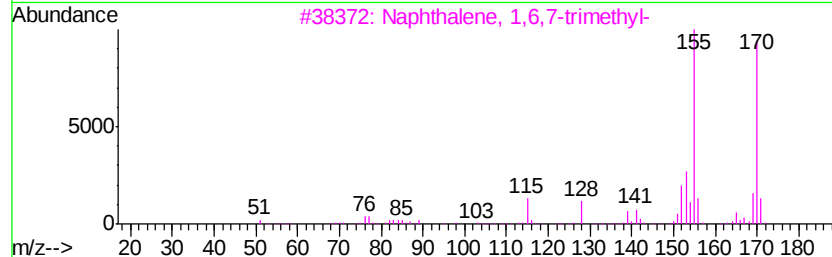
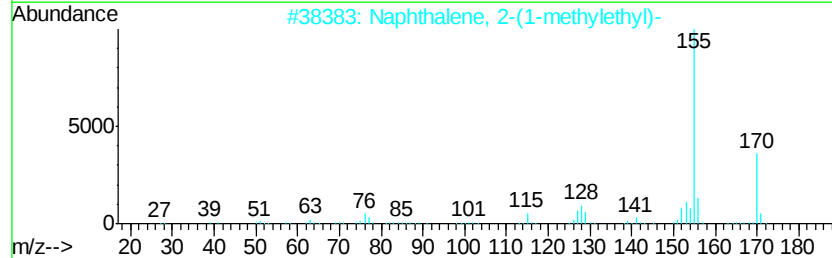
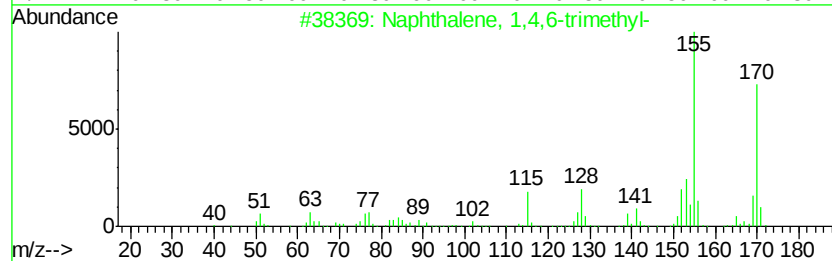
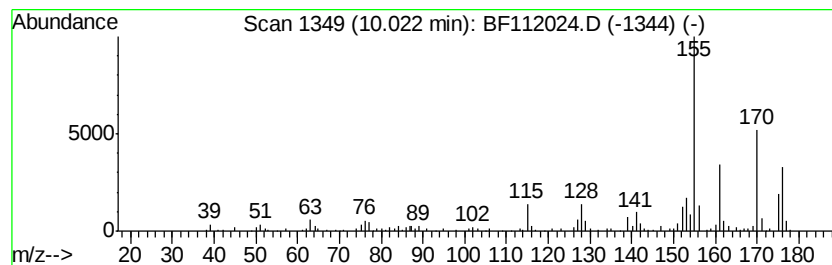
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	7.29 ng	297074	Acenaphthene-d10	9.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 87
2		Naphthalene, 2-(1-methylethyl)-	170 C13H14	002027-17-0 76
3		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 70
4		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 60
5		Ethanone, 1-(1-Naphthalenyl)-	170 C12H10O	000941-98-0 52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
Acq On : 11 Jan 2019 19:17
Operator : JU/SJ
Sample : K1011-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

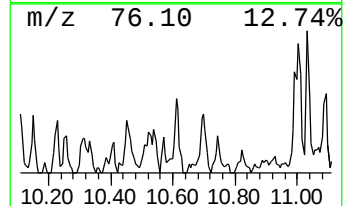
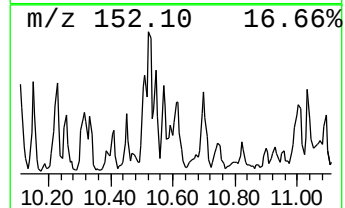
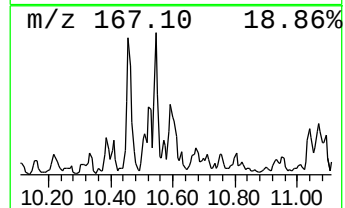
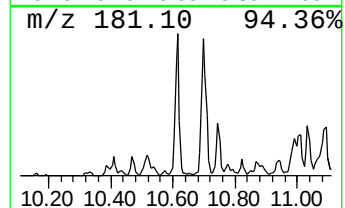
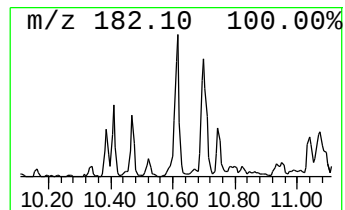
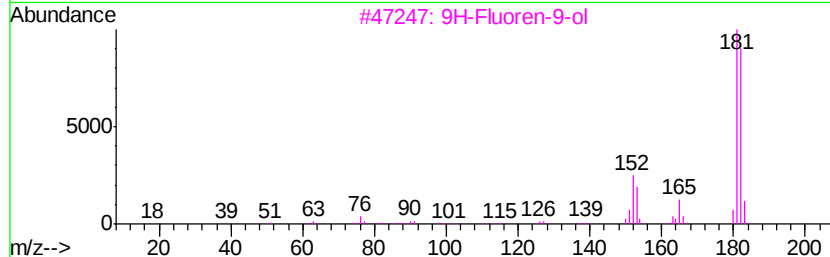
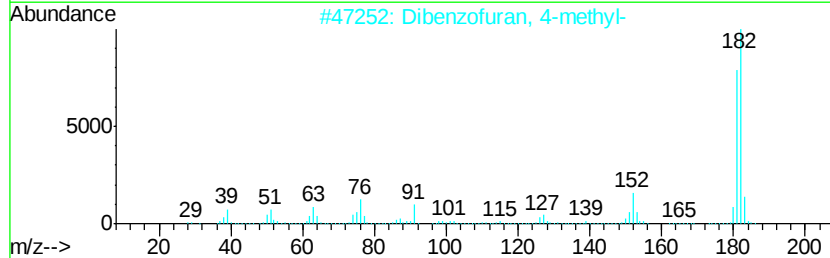
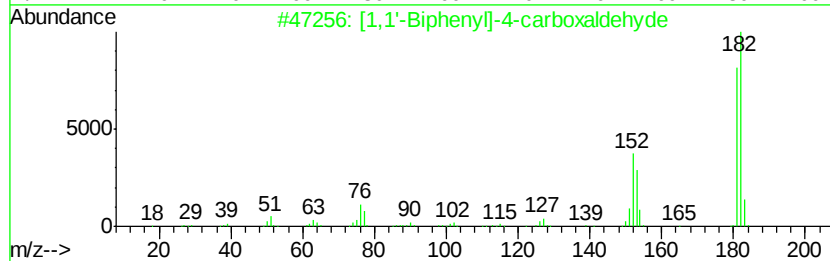
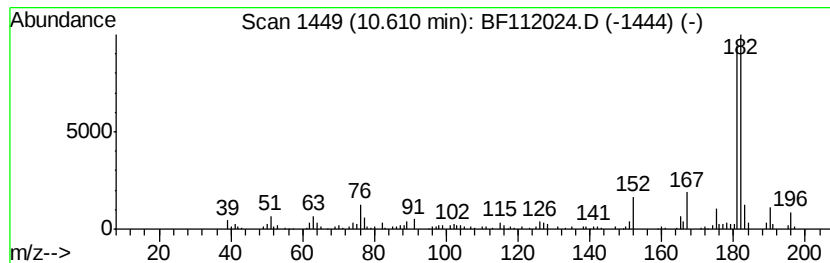
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.61	8.31 ng	338607	Acenaphthene-d10	9.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	64
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
Acq On : 11 Jan 2019 19:17
Operator : JU/SJ
Sample : K1011-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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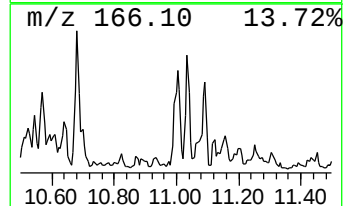
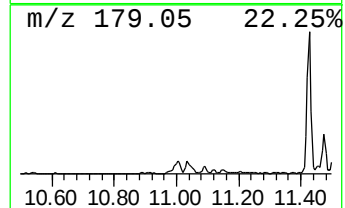
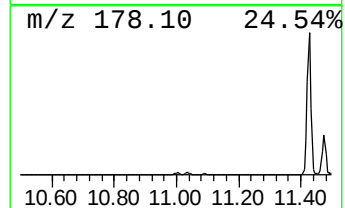
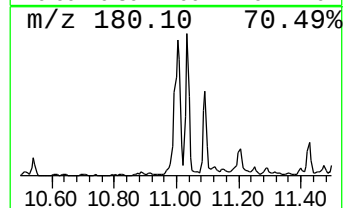
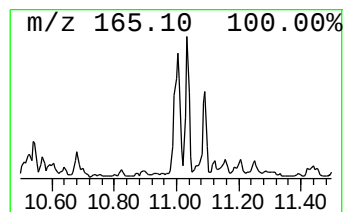
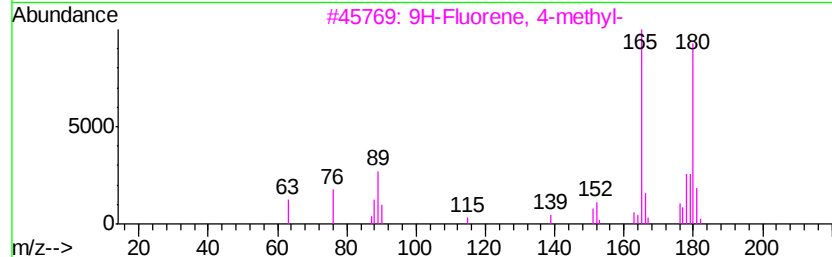
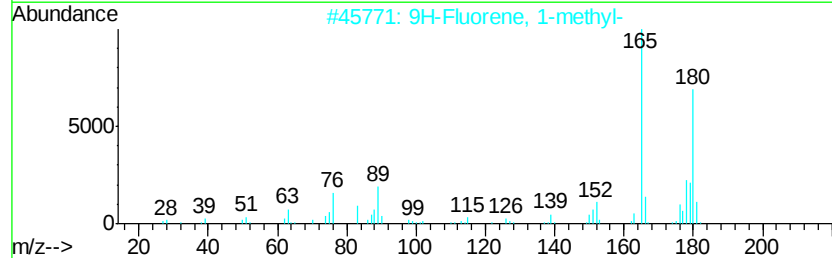
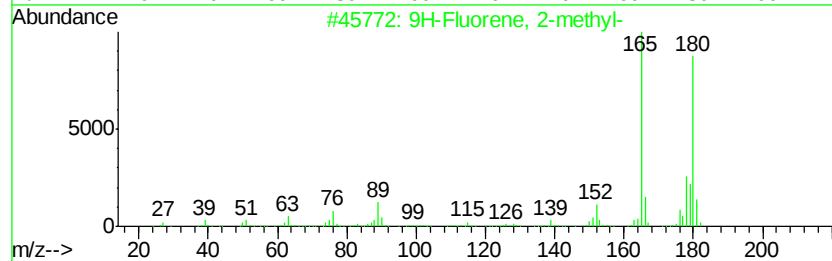
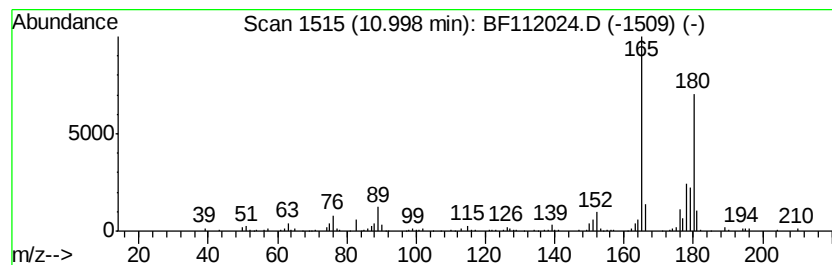
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	13.25 ng	528134	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
Acq On : 11 Jan 2019 19:17
Operator : JU/SJ
Sample : K1011-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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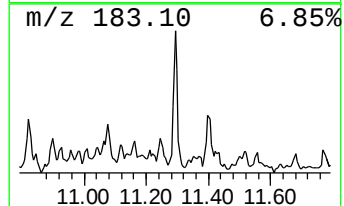
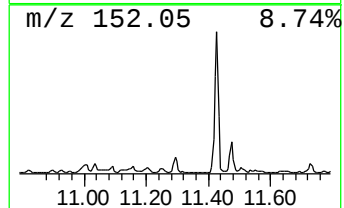
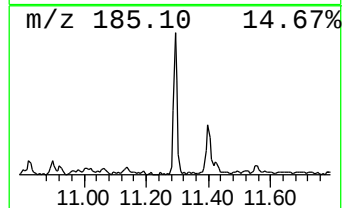
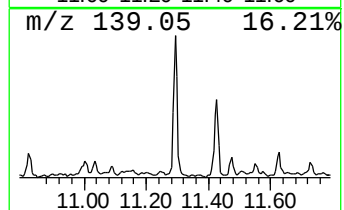
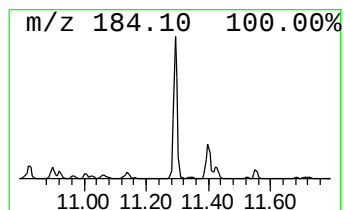
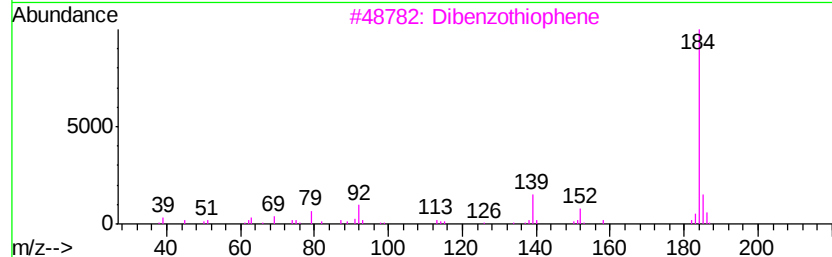
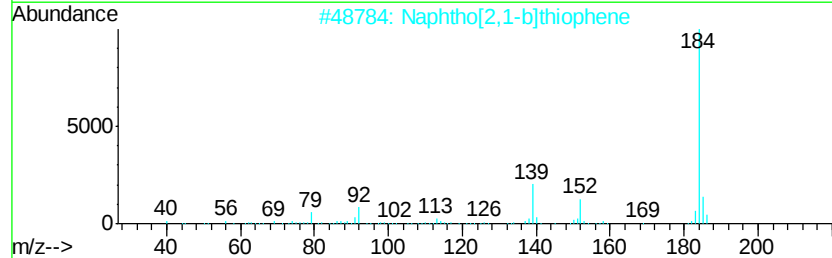
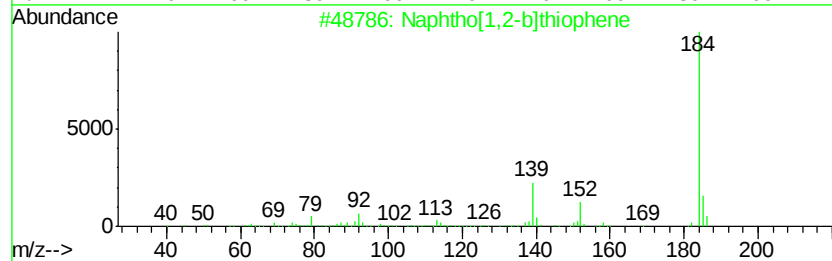
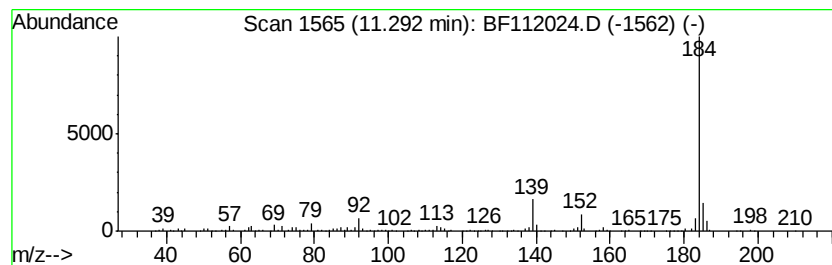
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	10.84 ng	432235	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
Acq On : 11 Jan 2019 19:17
Operator : JU/SJ
Sample : K1011-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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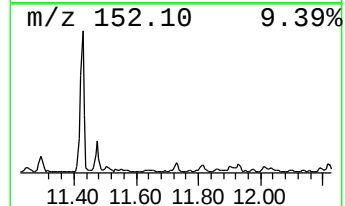
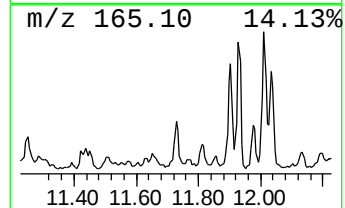
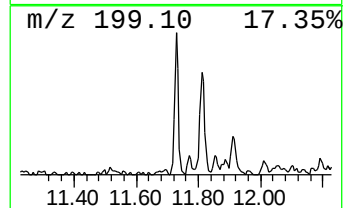
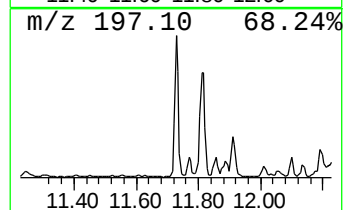
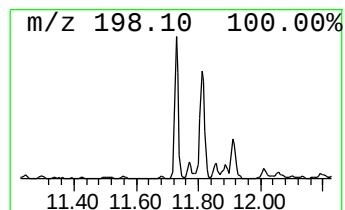
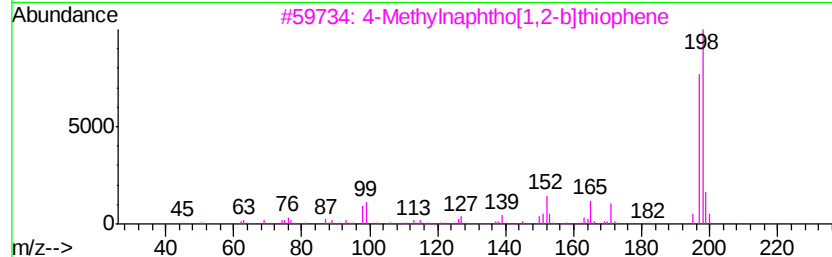
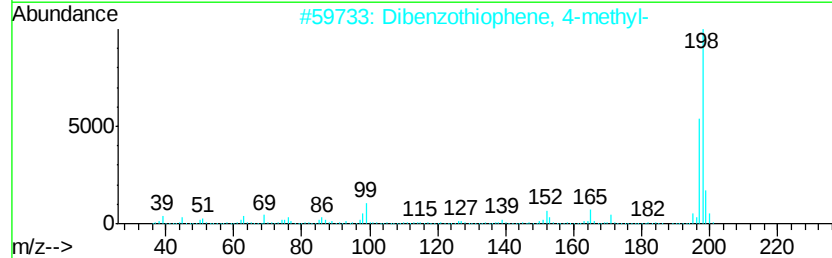
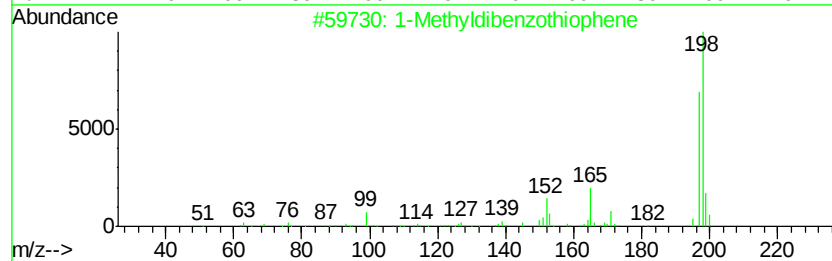
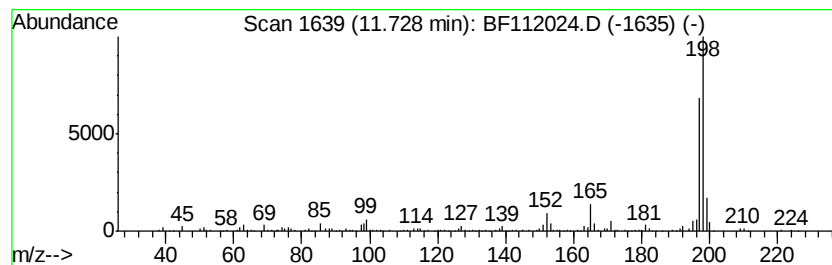
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	9.11 ng	363363	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
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Sample : K1011-03 2X
Misc :
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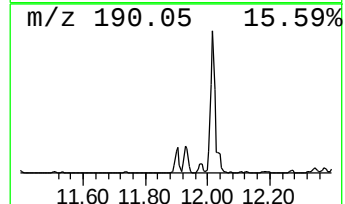
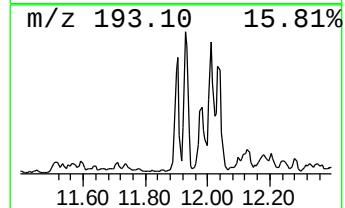
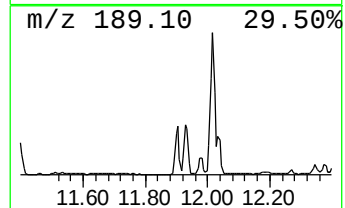
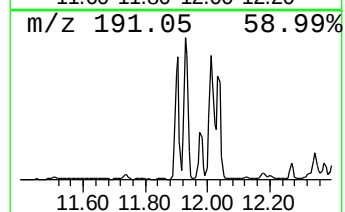
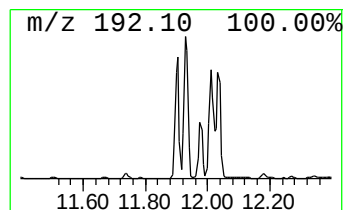
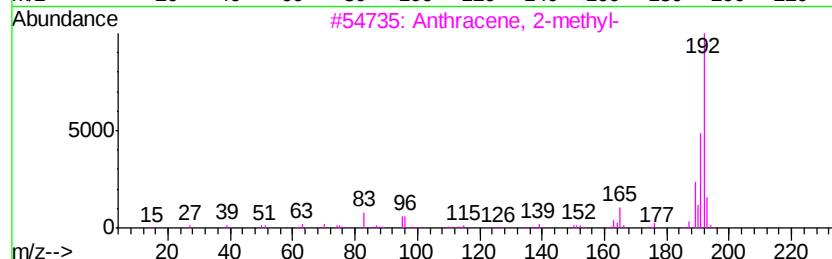
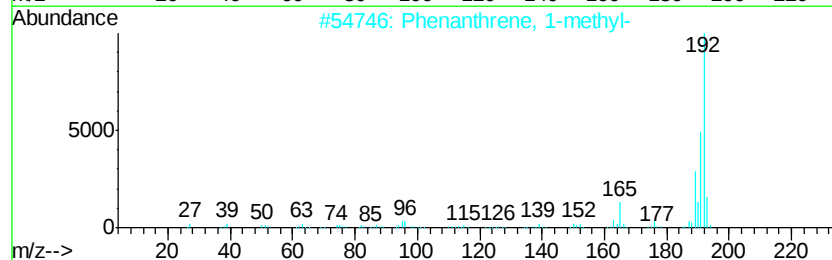
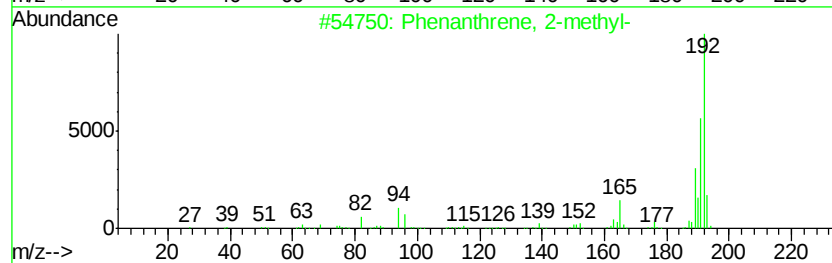
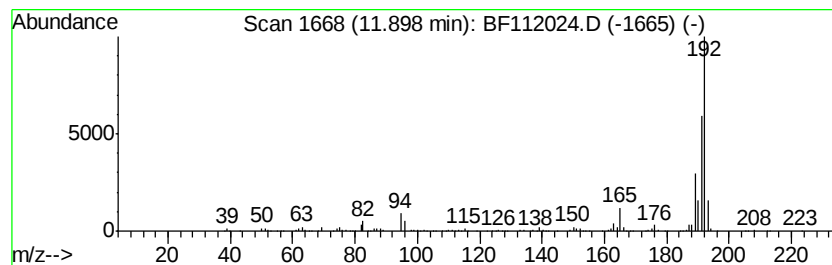
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	20.08 ng	800397	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
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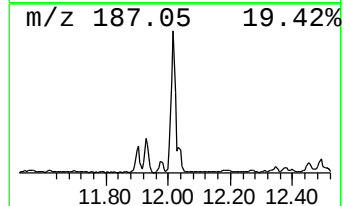
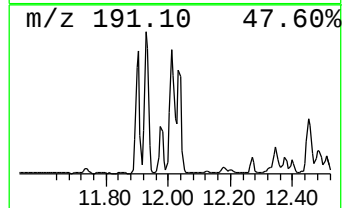
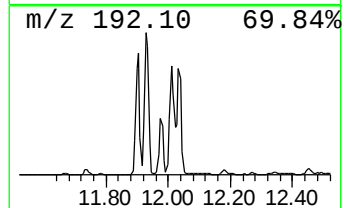
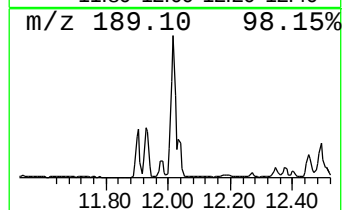
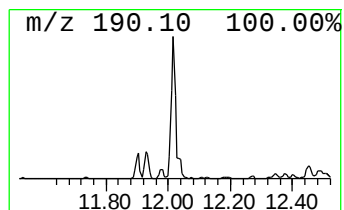
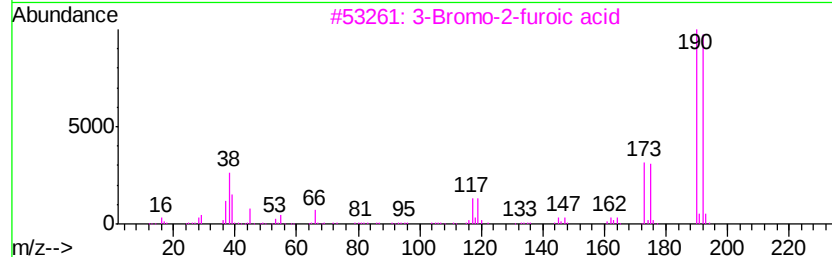
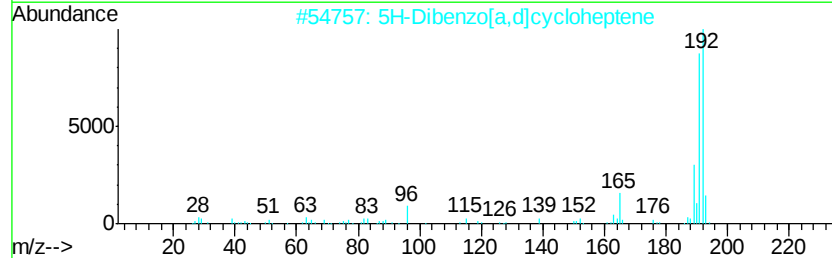
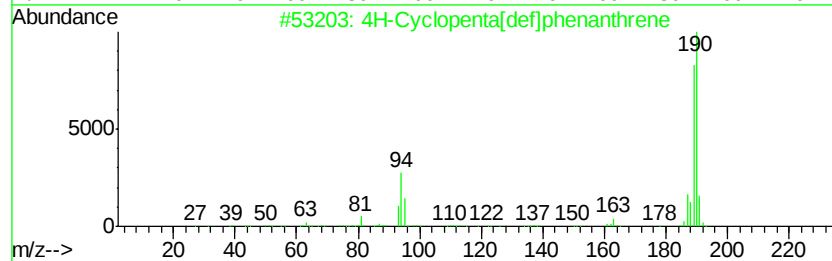
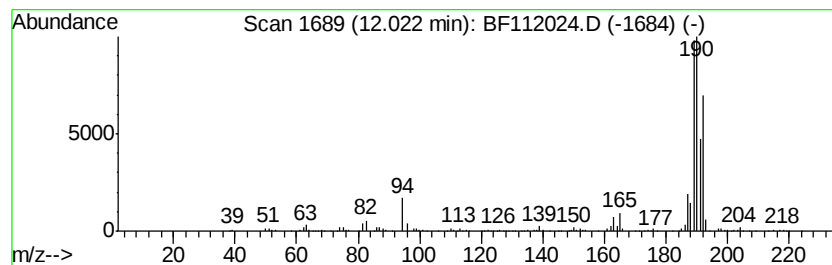
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	33.36 ng	1329750	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
3		3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
4		1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	15



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112024.D
Acq On : 11 Jan 2019 19:17
Operator : JU/SJ
Sample : K1011-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	13.00 ng	518260	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3			Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	80

