

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF030518\
 Data File : BF103409.D
 Acq On : 5 Mar 2018 15:03
 Operator : SJ/JU
 Sample : J1778-04 2X
 Misc :
 ALS Vial : 11 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-BF022218.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	5.022	496	499	503	rVB	179635	187947	4.20%	0.245%
2	5.075	503	508	514	rBV2	140028	200309	4.48%	0.261%
3	5.504	578	581	588	rBV	792335	1092825	24.43%	1.425%
4	6.104	679	683	690	rBV2	215600	378714	8.47%	0.494%
5	6.398	729	733	736	rBV3	286704	378084	8.45%	0.493%
6	6.516	749	753	758	rBV	990266	1359763	30.39%	1.773%
7	6.604	763	768	772	rVV4	111584	221359	4.95%	0.289%
8	6.645	772	775	780	rVV	1410906	1376586	30.77%	1.795%
9	6.692	780	783	786	rVV	399541	396402	8.86%	0.517%
10	6.869	810	813	819	rVV	1017578	993074	22.20%	1.295%
11	6.922	819	822	825	rVV	222515	228137	5.10%	0.297%
12	7.028	837	840	842	rVV	1060673	1022387	22.85%	1.333%
13	7.045	842	843	848	rVB	563776	439600	9.83%	0.573%
14	7.134	855	858	861	rVB2	272404	249591	5.58%	0.325%
15	7.398	897	903	906	rBV4	210984	252076	5.63%	0.329%
16	7.434	906	909	916	rBV	860319	968545	21.65%	1.263%
17	7.551	924	929	936	rBV5	98464	210181	4.70%	0.274%
18	7.886	983	986	992	rBV3	346670	568241	12.70%	0.741%
19	7.934	992	994	1002	rVB3	184094	301487	6.74%	0.393%
20	8.157	1028	1032	1033	rVV	1180726	1043415	23.32%	1.361%
21	8.181	1033	1036	1039	rVV	3622191	3542398	79.18%	4.619%
22	8.234	1042	1045	1051	rVB2	217304	240661	5.38%	0.314%
23	8.875	1150	1154	1157	rBV	2485124	2334932	52.19%	3.045%
24	8.969	1165	1170	1176	rVV	1979322	1875576	41.92%	2.446%
25	9.228	1208	1214	1218	rBV	1502864	1285776	28.74%	1.677%
26	9.333	1229	1232	1237	rVB	389621	362151	8.09%	0.472%
27	9.428	1246	1248	1255	rVB	369789	414296	9.26%	0.540%
28	9.498	1255	1260	1264	rBV	905263	1238454	27.68%	1.615%
29	9.569	1268	1272	1275	rBV	1185955	1328077	29.69%	1.732%
30	9.598	1275	1277	1282	rVV2	975174	918503	20.53%	1.198%
31	9.686	1288	1292	1300	rVB	622085	845777	18.91%	1.103%
32	9.775	1304	1307	1312	rVB	853344	777102	17.37%	1.013%
33	9.892	1324	1327	1328	rBV	297785	243534	5.44%	0.318%
34	9.916	1328	1331	1334	rVV	1041088	900176	20.12%	1.174%

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35	9.945	1334	1336	1340	rVB	1370127	1215852	27.18%	1.585%
36	10.016	1345	1348	1352	rVB2	228527	290437	6.49%	0.379%
37	10.057	1352	1355	1359	rBV2	113867	194394	4.35%	0.253%
38	10.122	1361	1366	1369	rVV2	1032020	1109087	24.79%	1.446%
39	10.151	1369	1371	1375	rVB	413554	400372	8.95%	0.522%
40	10.228	1380	1384	1387	rBV	414993	462181	10.33%	0.603%
41	10.257	1387	1389	1394	rVB	329150	305074	6.82%	0.398%
42	10.322	1394	1400	1405	rBV4	513380	770888	17.23%	1.005%
43	10.369	1405	1408	1413	rBV2	164430	197493	4.41%	0.258%
44	10.469	1421	1425	1430	rVB	1841987	1825710	40.81%	2.381%
45	10.545	1436	1438	1441	rVV2	315956	313547	7.01%	0.409%
46	10.575	1441	1443	1445	rVV2	210637	179835	4.02%	0.234%
47	10.622	1448	1451	1454	rVV	307638	311019	6.95%	0.406%
48	10.710	1460	1466	1469	rBV3	817851	1078401	24.10%	1.406%
49	10.810	1479	1483	1491	rVB2	275479	519948	11.62%	0.678%
50	11.016	1512	1518	1520	rBV	463283	590611	13.20%	0.770%
51	11.045	1520	1523	1525	rVV	337408	308305	6.89%	0.402%
52	11.098	1529	1532	1534	rVB	269138	233829	5.23%	0.305%
53	11.139	1534	1539	1541	rBV3	137431	211953	4.74%	0.276%
54	11.251	1556	1558	1561	rVV3	201683	212499	4.75%	0.277%
55	11.304	1564	1567	1572	rVB	636337	589393	13.17%	0.769%
56	11.410	1581	1585	1587	rBV	744588	818155	18.29%	1.067%
57	11.445	1587	1591	1594	rVV	3936401	4473824	100.00%	5.834%
58	11.492	1595	1599	1601	rVV	1744288	1587296	35.48%	2.070%
59	11.522	1601	1604	1606	rVV	278943	324235	7.25%	0.423%
60	11.557	1608	1610	1617	rVV3	187530	317767	7.10%	0.414%
61	11.645	1621	1625	1629	rVV	377454	449859	10.06%	0.587%
62	11.739	1636	1641	1646	rVV2	300419	425509	9.51%	0.555%
63	11.822	1652	1655	1660	rBV	198229	235727	5.27%	0.307%
64	11.916	1667	1671	1673	rVV	1076443	1029668	23.02%	1.343%
65	11.945	1673	1676	1681	rVV2	1388185	1623131	36.28%	2.116%
66	11.992	1681	1684	1687	rVV	552005	480392	10.74%	0.626%
67	12.027	1687	1690	1692	rVV2	1383912	1532222	34.25%	1.998%
68	12.051	1692	1694	1698	rVB	799908	637180	14.24%	0.831%
69	12.204	1717	1720	1723	rVV	430926	397039	8.87%	0.518%
70	12.357	1744	1746	1749	rVV	213274	183082	4.09%	0.239%
71	12.386	1749	1751	1754	rVV	259812	240033	5.37%	0.313%

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72	12.463	1761	1764	1767	rBV	678234	756659	16.91%	0.987%
73	12.504	1767	1771	1773	rVV	351712	479657	10.72%	0.625%
74	12.551	1776	1779	1784	rBV2	206426	338803	7.57%	0.442%
75	12.639	1789	1794	1796	rBV	3013596	3392106	75.82%	4.423%
76	12.657	1796	1797	1801	rVB2	266742	263378	5.89%	0.343%
77	12.727	1806	1809	1812	rBV	331656	268728	6.01%	0.350%
78	12.786	1815	1819	1821	rBV	238123	235866	5.27%	0.308%
79	12.874	1826	1834	1838	rBV2	2683465	3739272	83.58%	4.876%
80	12.910	1838	1840	1844	rVB3	275492	285392	6.38%	0.372%
81	12.992	1844	1854	1857	rBV2	984223	1230110	27.50%	1.604%
82	13.080	1864	1869	1873	rBV3	322760	553124	12.36%	0.721%
83	13.169	1880	1884	1885	rVV2	255983	275586	6.16%	0.359%
84	13.192	1885	1888	1893	rVB	837480	895570	20.02%	1.168%
85	13.257	1893	1899	1902	rBV	772362	818228	18.29%	1.067%
86	13.298	1902	1906	1909	rVV2	458450	432307	9.66%	0.564%
87	13.392	1919	1922	1924	rBV	323762	280394	6.27%	0.366%
88	13.421	1924	1927	1935	rVB	439576	546124	12.21%	0.712%
89	13.674	1967	1970	1973	rBV2	165589	219699	4.91%	0.286%
90	13.839	1996	1998	2001	rVB	303119	218718	4.89%	0.285%
91	13.874	2001	2004	2010	rVB4	313035	453121	10.13%	0.591%
92	14.063	2032	2036	2040	rBV2	1484307	2215767	49.53%	2.889%
93	14.098	2040	2042	2049	rVB	1294723	1244008	27.81%	1.622%
94	14.180	2053	2056	2058	rBV	257302	247650	5.54%	0.323%
95	14.421	2095	2097	2100	rBV3	139438	176455	3.94%	0.230%
96	14.463	2102	2104	2107	rVV	343583	320495	7.16%	0.418%
97	15.145	2216	2220	2223	rBV	634990	1011054	22.60%	1.318%
98	15.457	2270	2273	2278	rVB	369926	465776	10.41%	0.607%
99	15.527	2281	2285	2289	rVV	576599	751903	16.81%	0.980%
100	15.592	2292	2296	2298	rBV	283488	323179	7.22%	0.421%

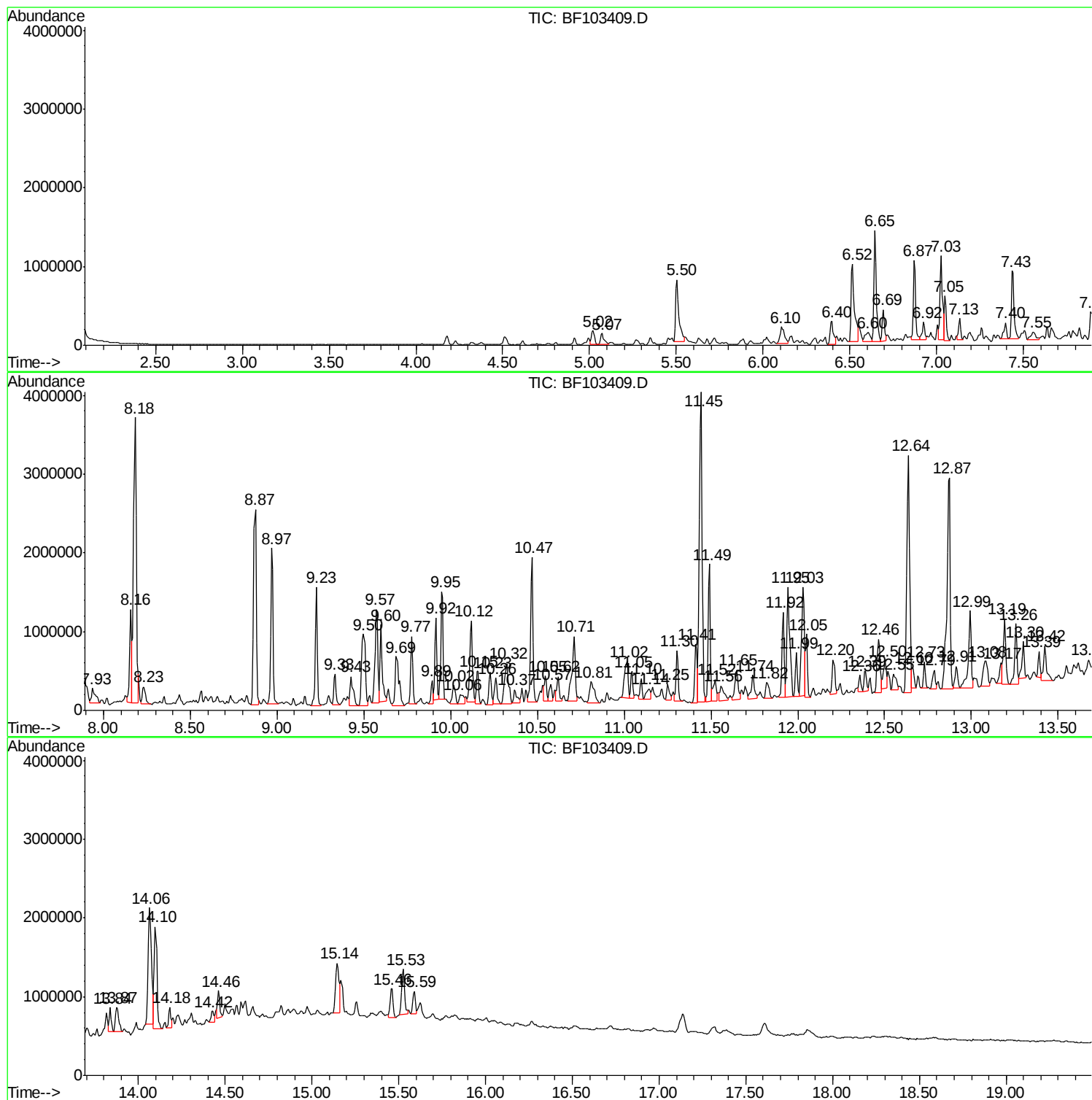
Sum of corrected areas: 76691212

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.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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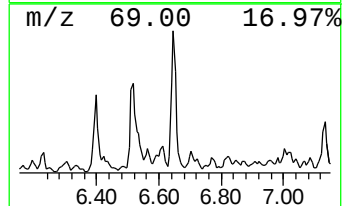
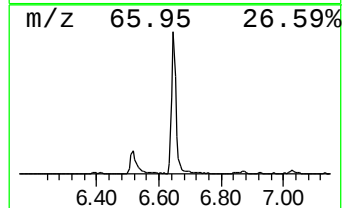
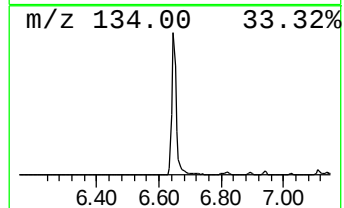
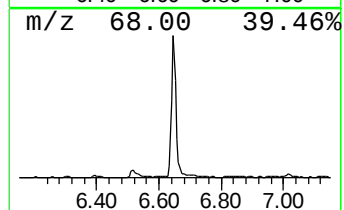
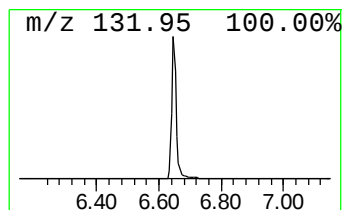
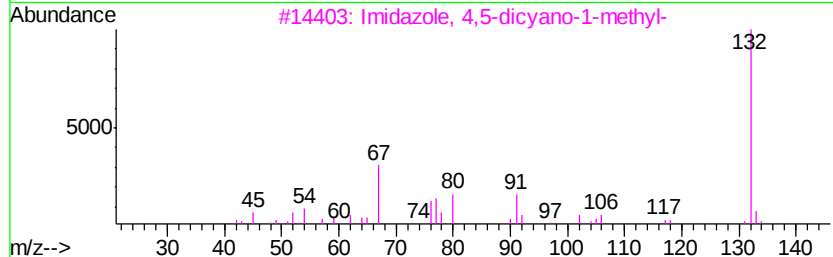
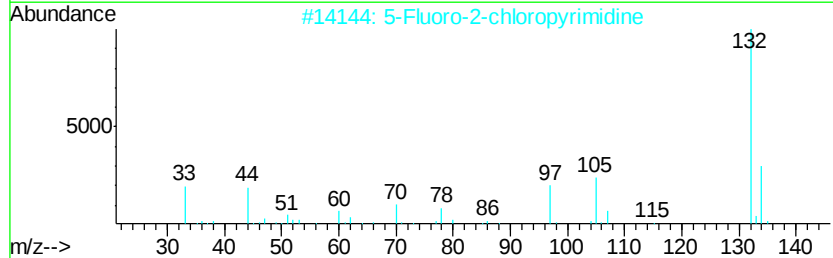
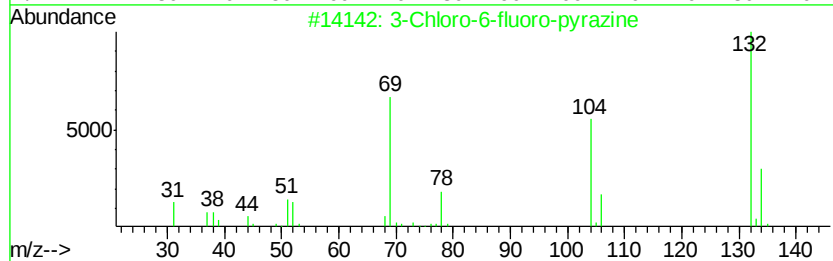
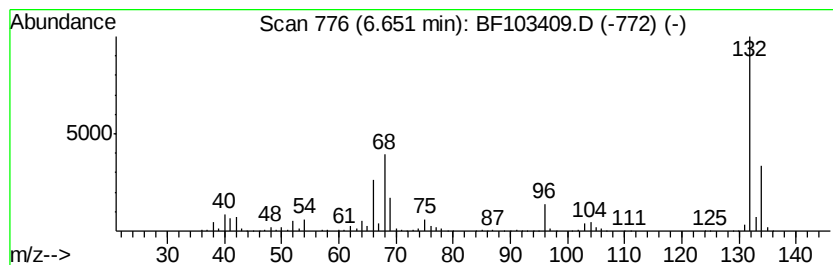
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.65 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	27.72 ng	1376590	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	12
3		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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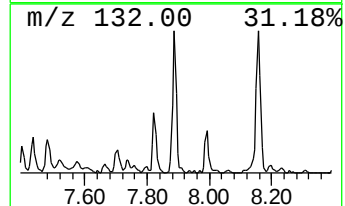
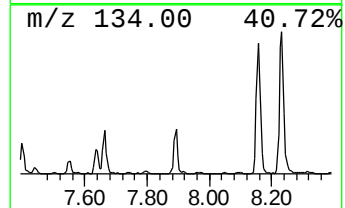
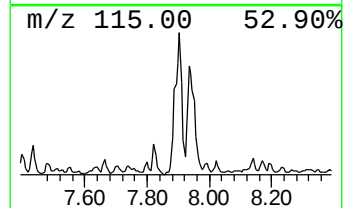
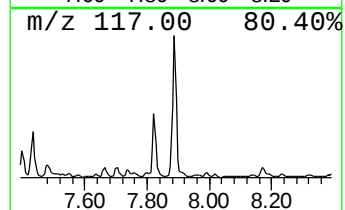
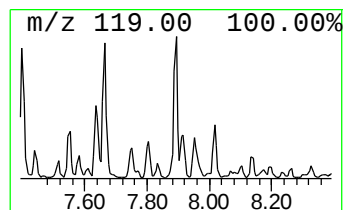
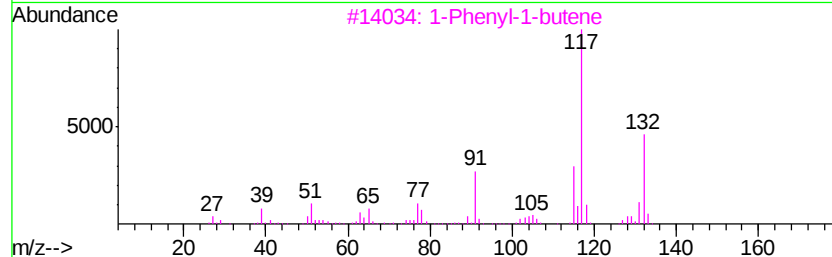
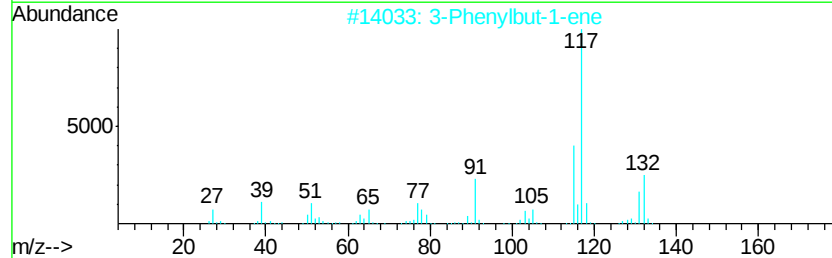
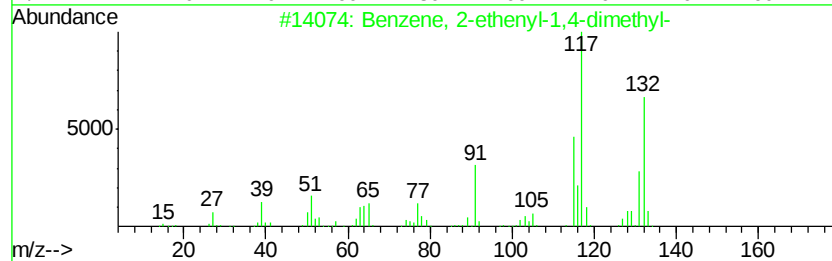
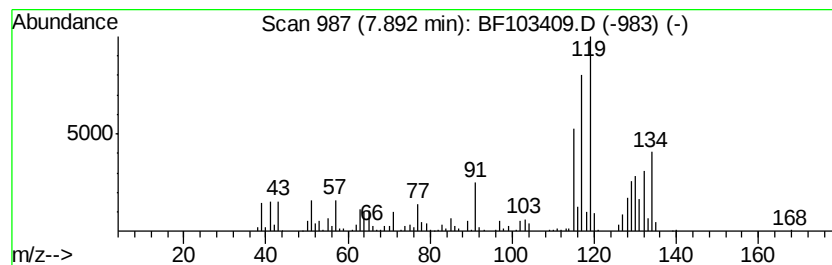
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	10.89 ng	568241	Naphthalene-d8	8.16

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	70
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64



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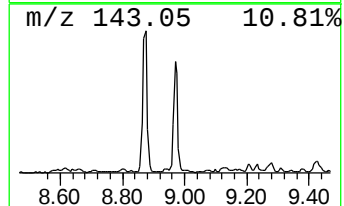
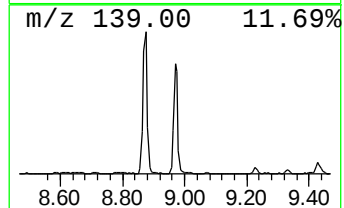
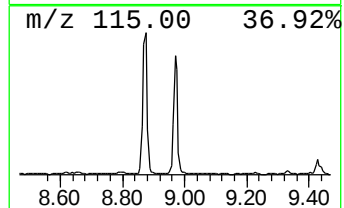
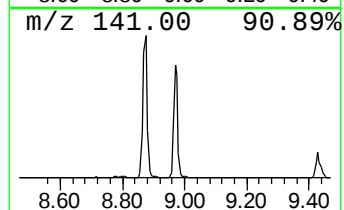
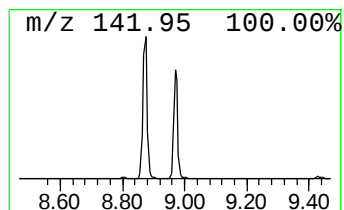
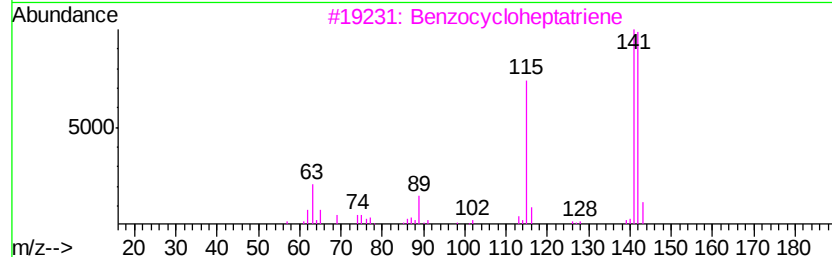
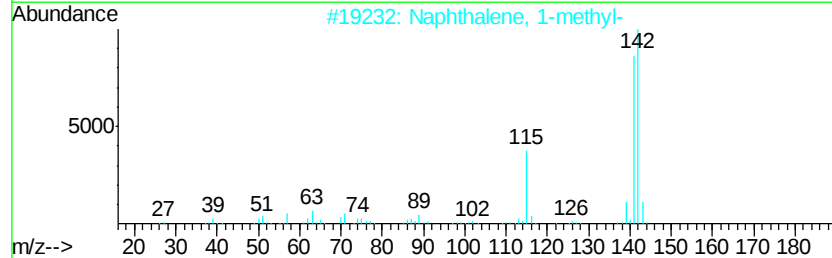
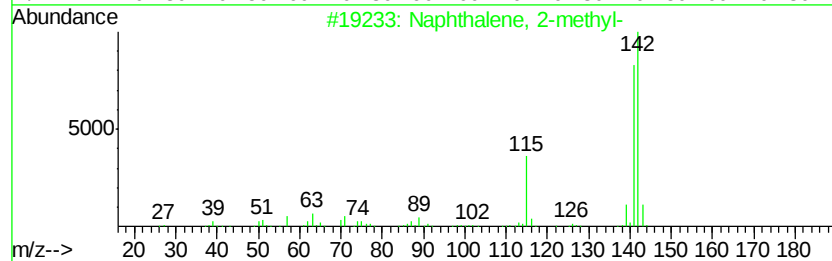
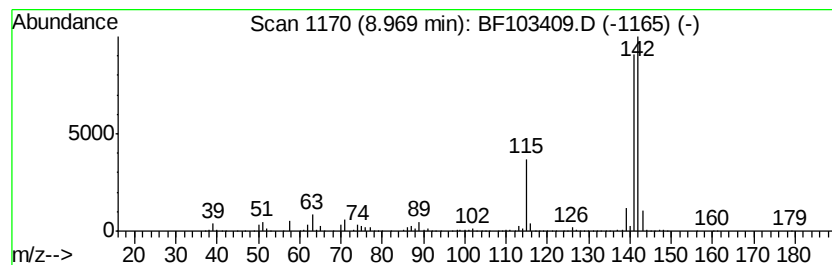
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	35.95 ng	1875580	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64



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Sample : J1778-04 2X
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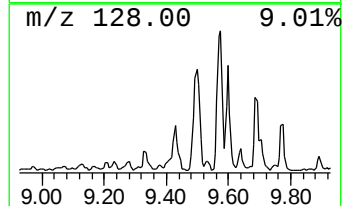
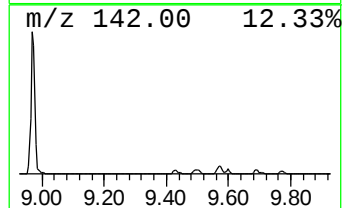
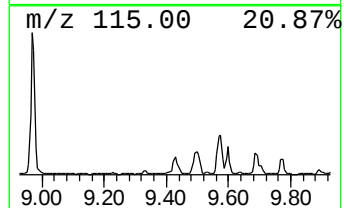
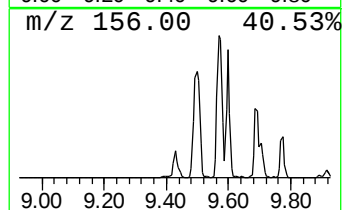
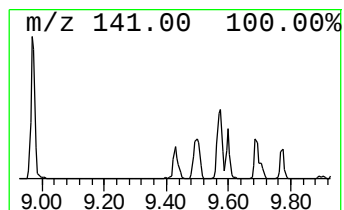
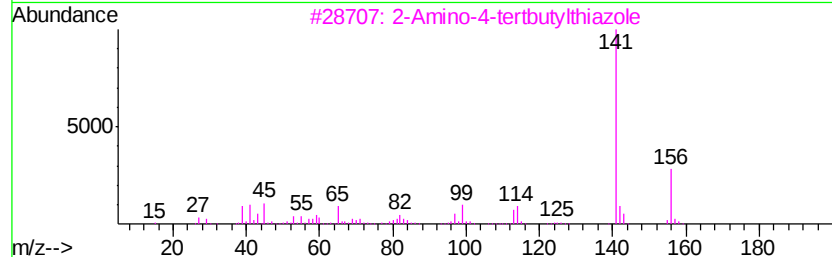
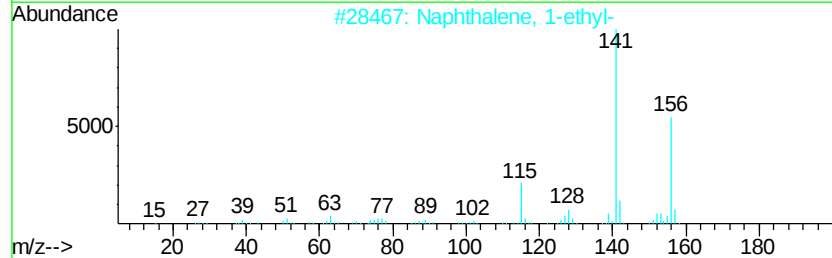
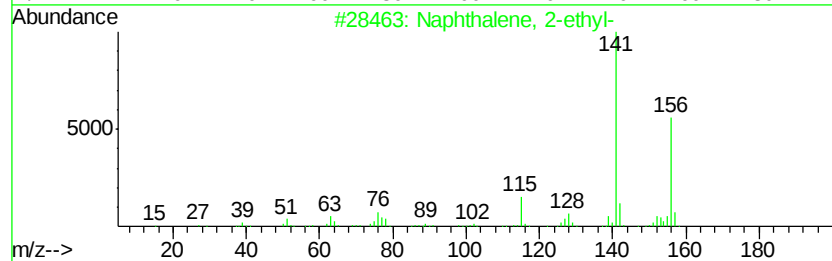
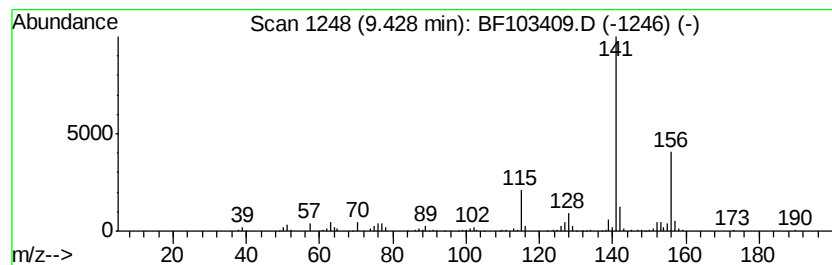
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	9.20 ng	414296	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 96
2		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 96
3		2-Amino-4-tertbutylthiazole	156 C7H12N2S	074370-93-7 59
4		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 59
5		Butethal	212 C10H16N2O3	000077-28-1 59



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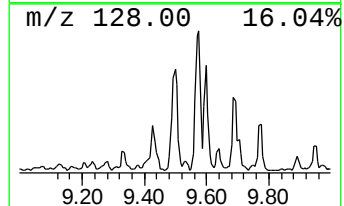
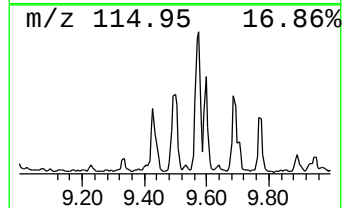
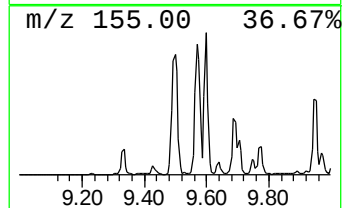
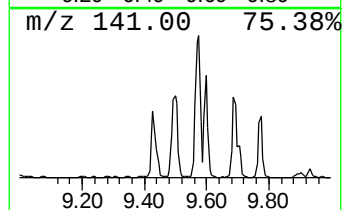
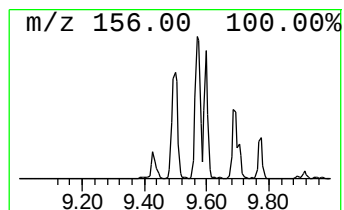
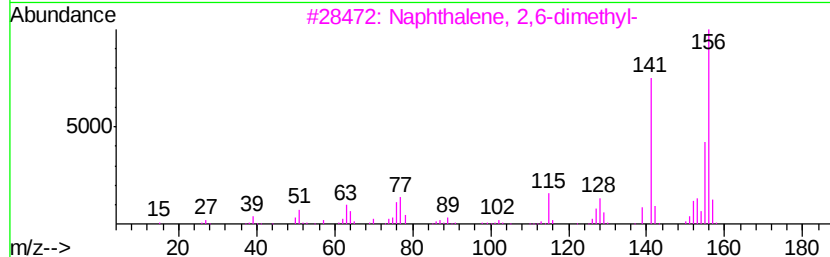
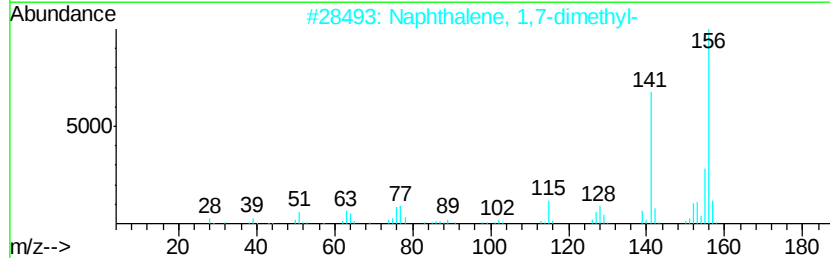
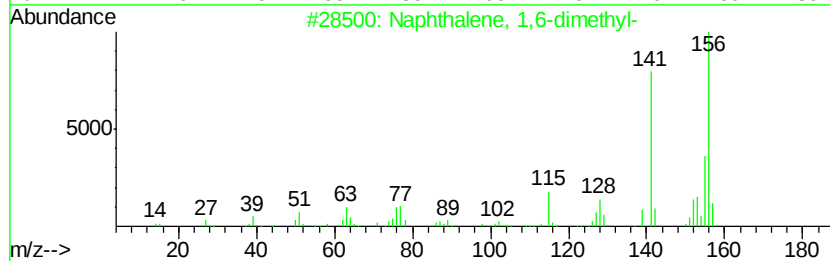
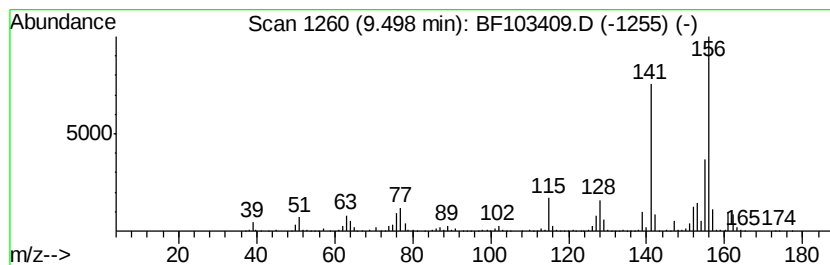
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	27.52 ng	1238450	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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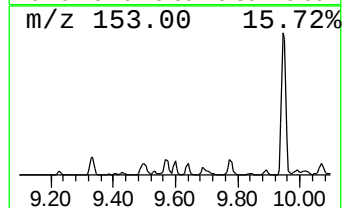
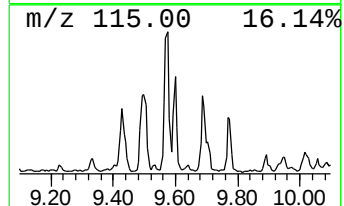
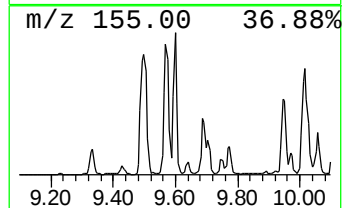
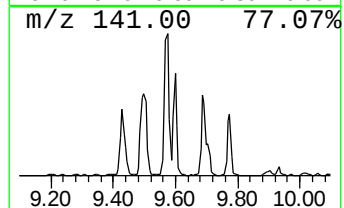
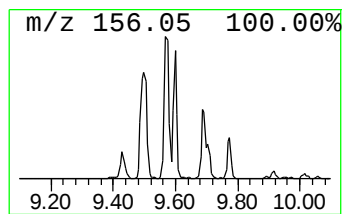
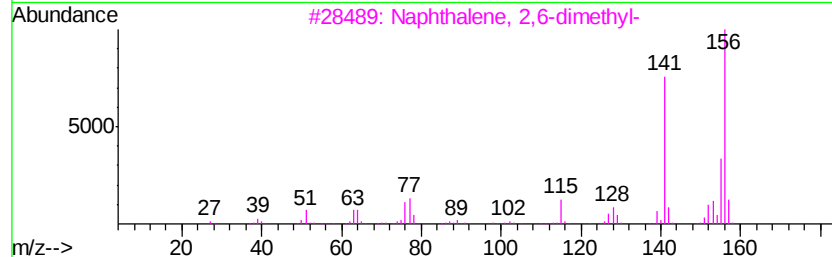
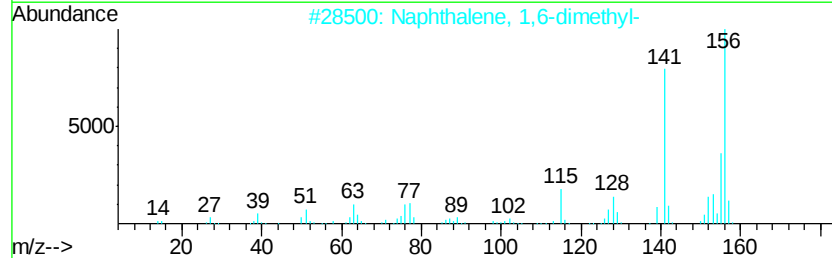
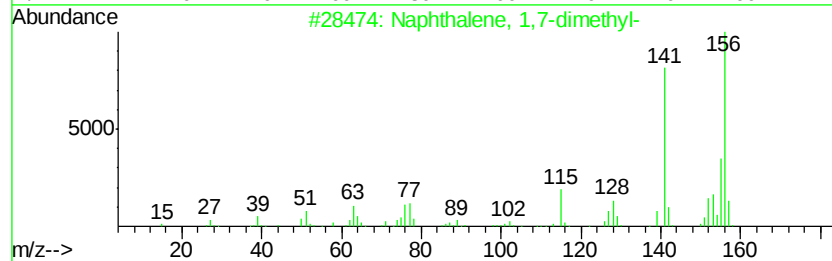
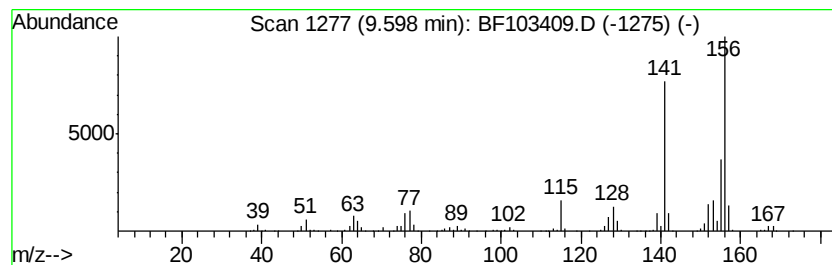
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	20.41 ng	918503	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1	97
5	Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4	97



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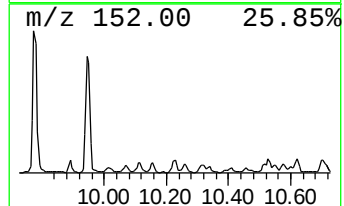
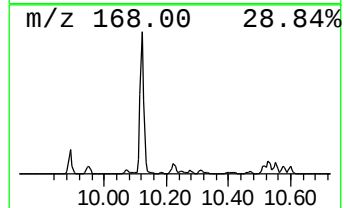
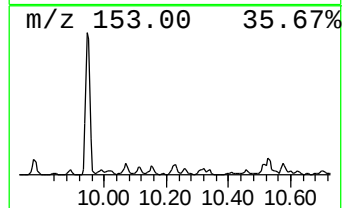
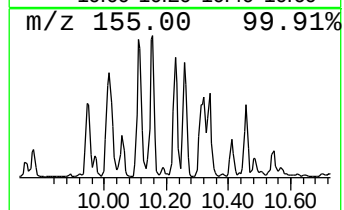
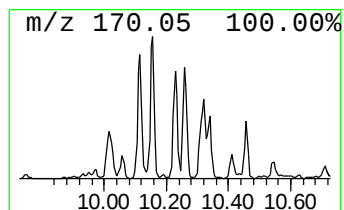
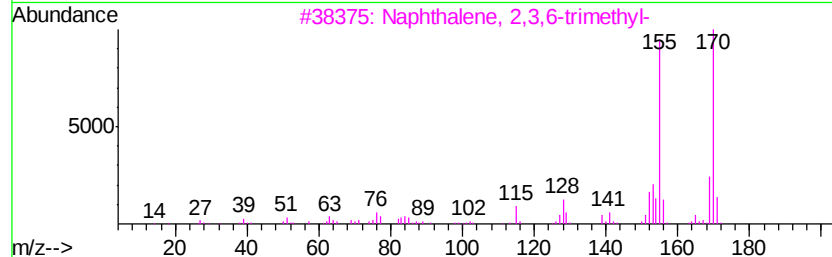
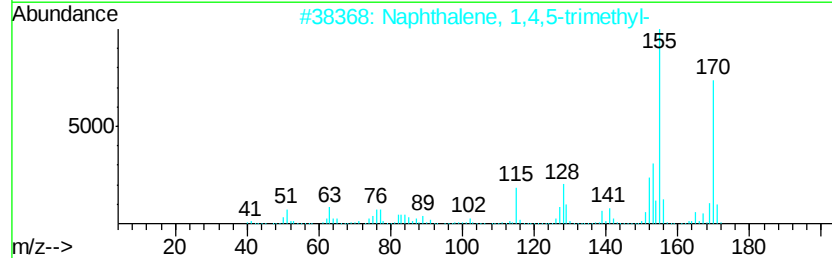
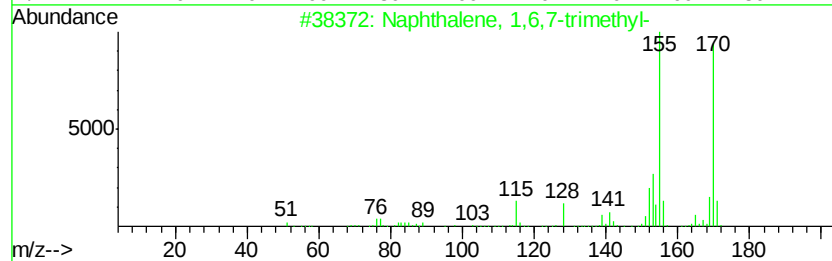
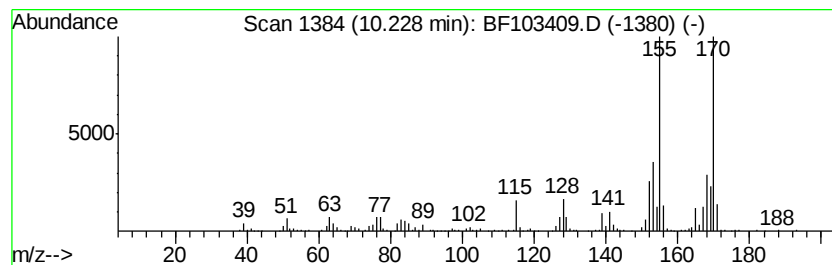
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	10.27 ng	462181	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



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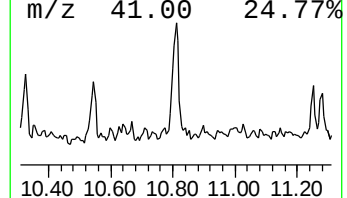
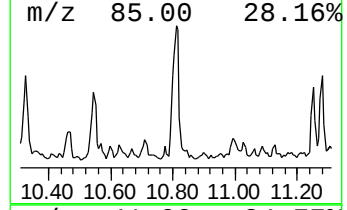
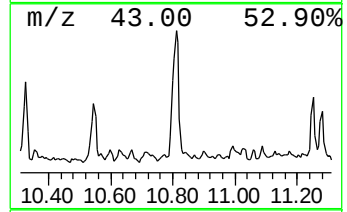
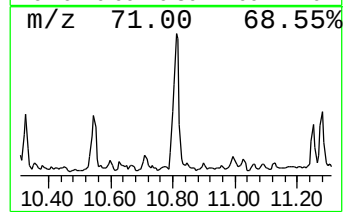
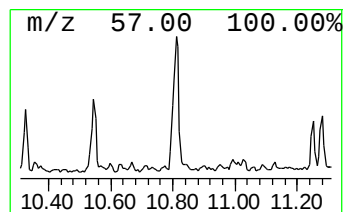
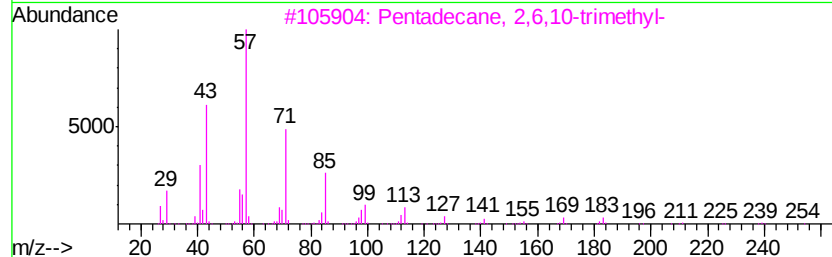
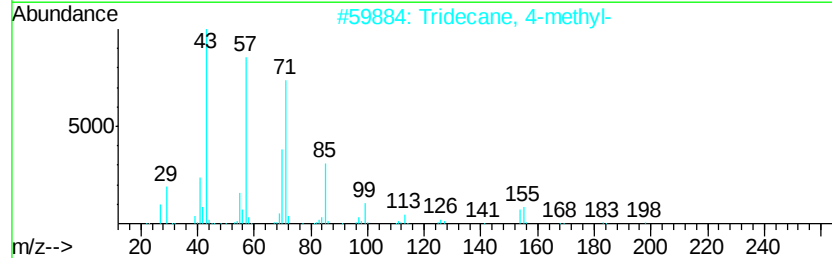
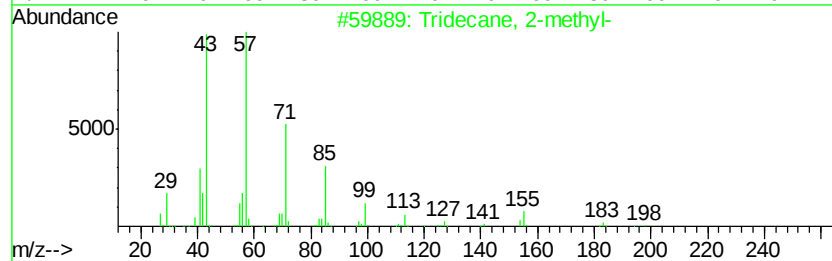
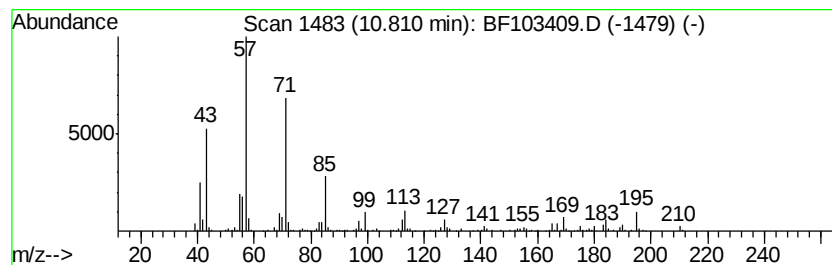
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tridecane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.81	12.71 ng	519948	Phenanthrene-d10		11.41
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	81
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	76
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	68
5	Heptacosane	380	C27H56	000593-49-7	64



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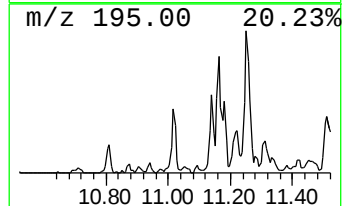
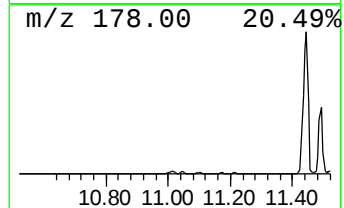
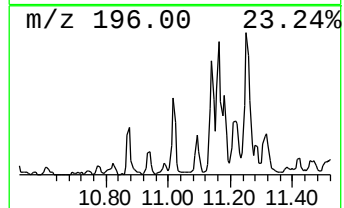
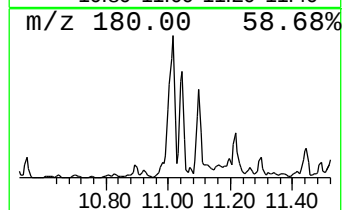
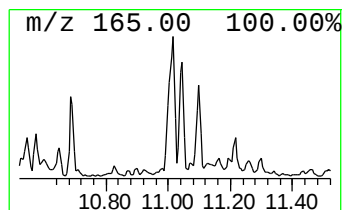
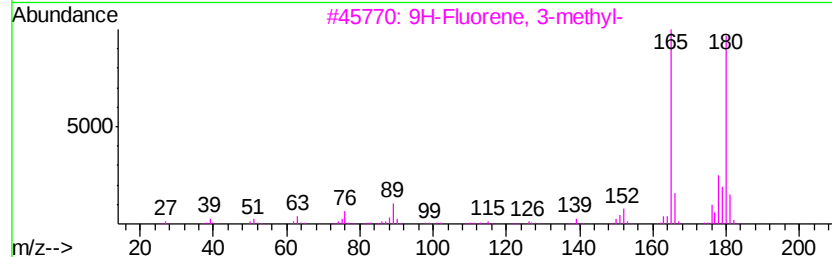
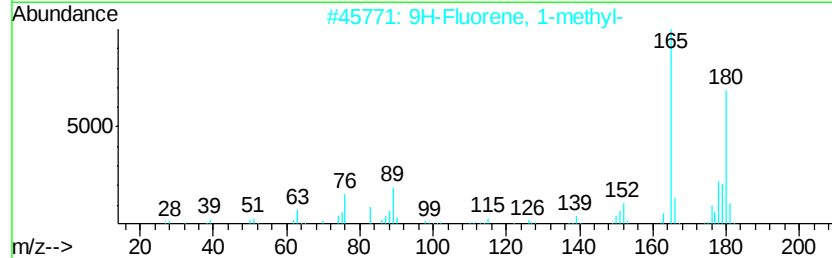
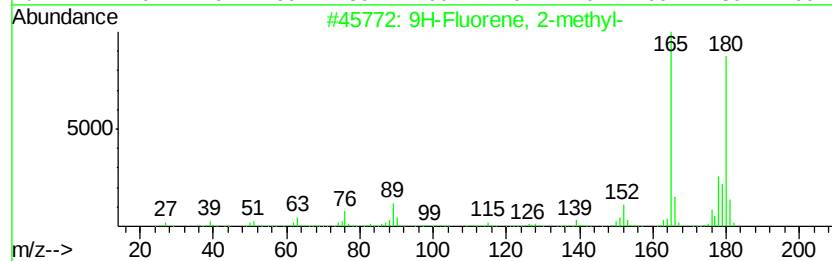
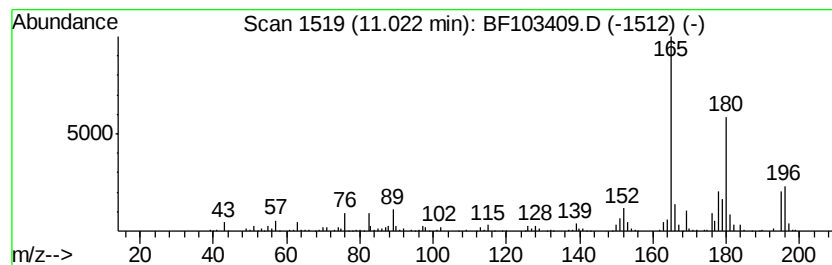
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	14.44 ng	590611	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70



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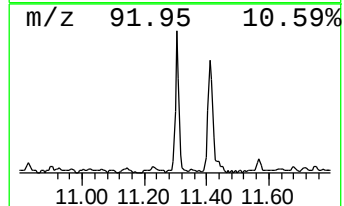
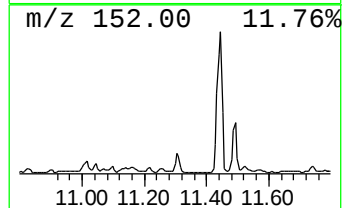
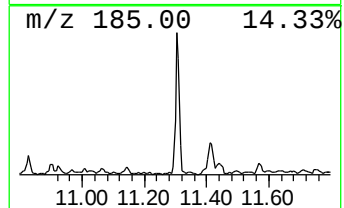
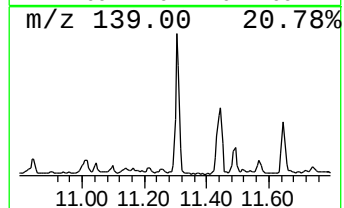
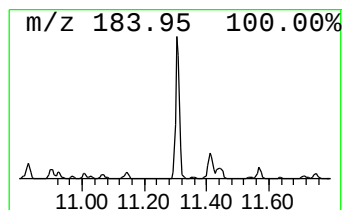
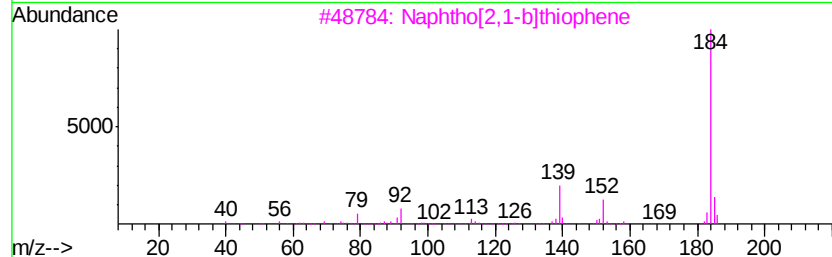
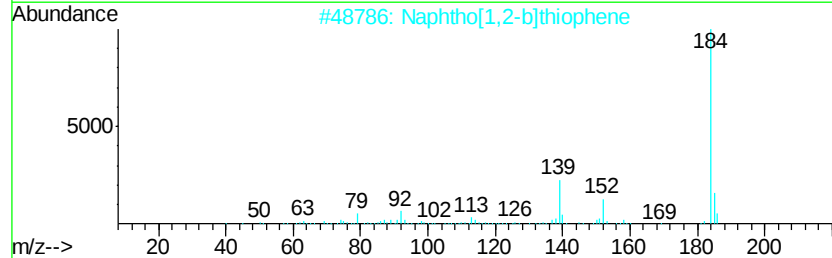
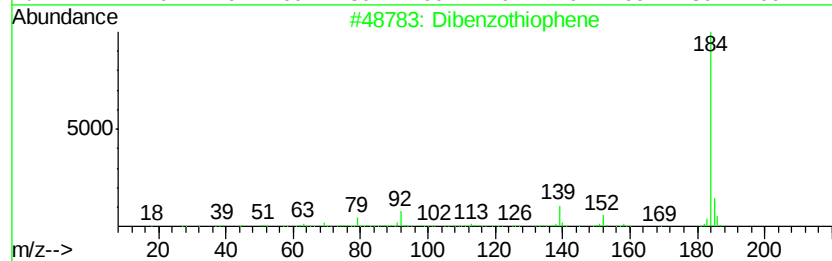
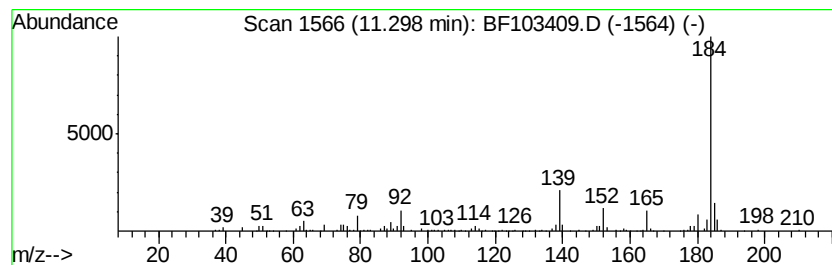
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.30	14.41 ng	589393	Phenanthrene-d10		11.41	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103409.D
Acq On : 5 Mar 2018 15:03
Operator : SJ/JU
Sample : J1778-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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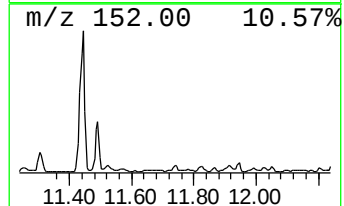
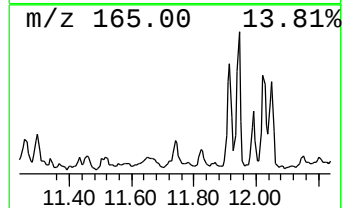
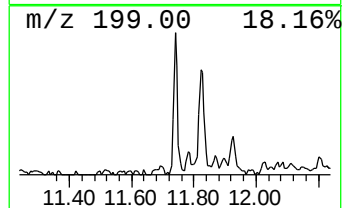
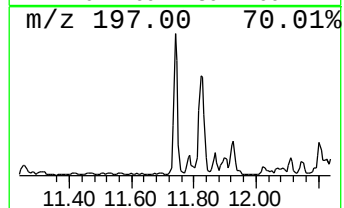
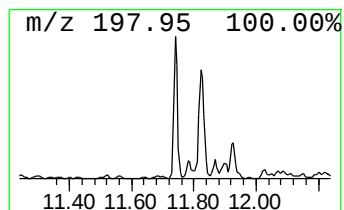
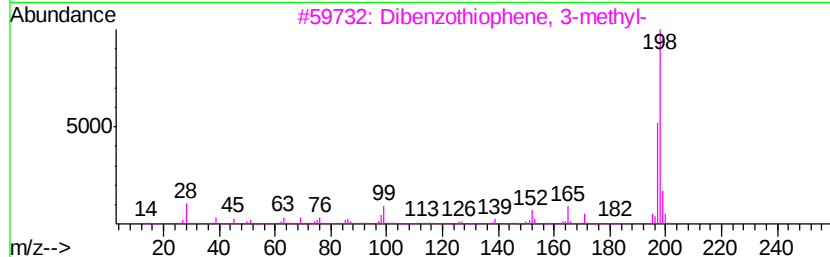
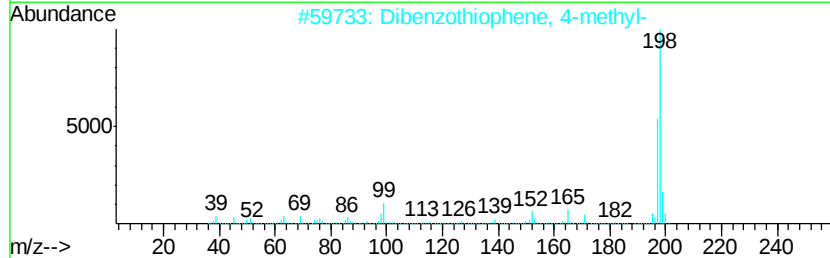
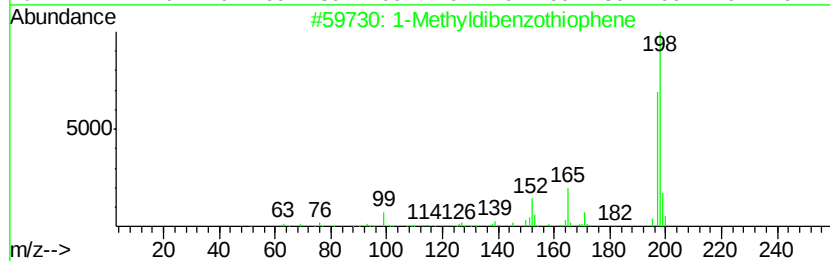
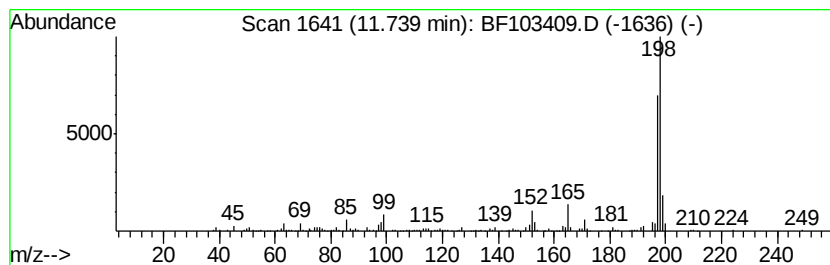
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Methyldibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	10.40 ng	425509	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	97
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5		Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103409.D
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Misc :
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Instrument :
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ClientSampleId :
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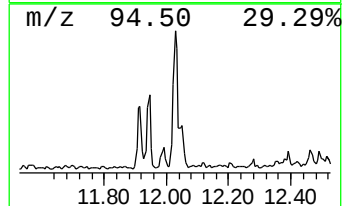
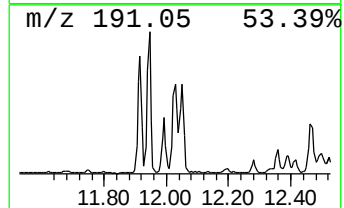
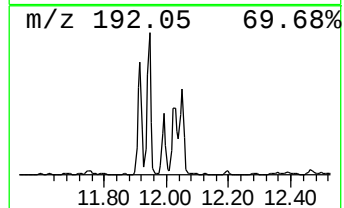
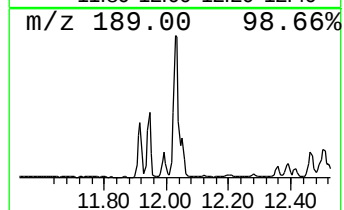
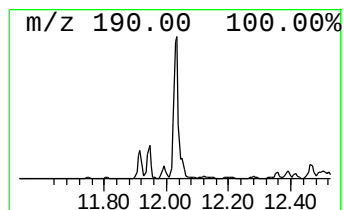
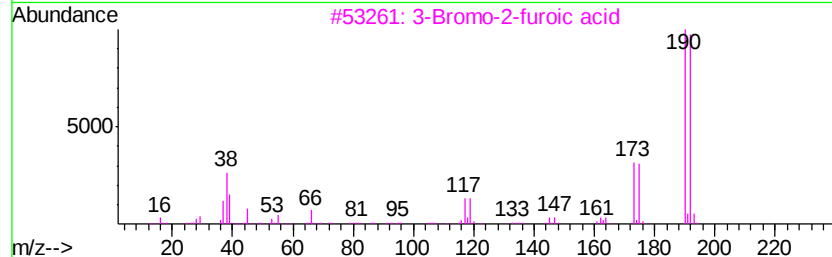
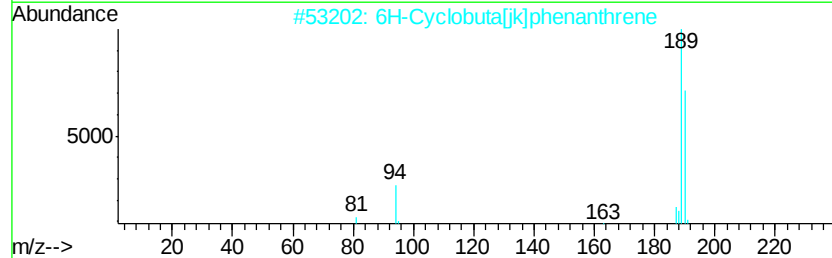
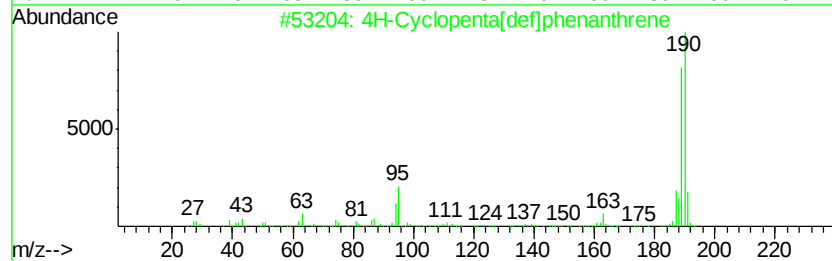
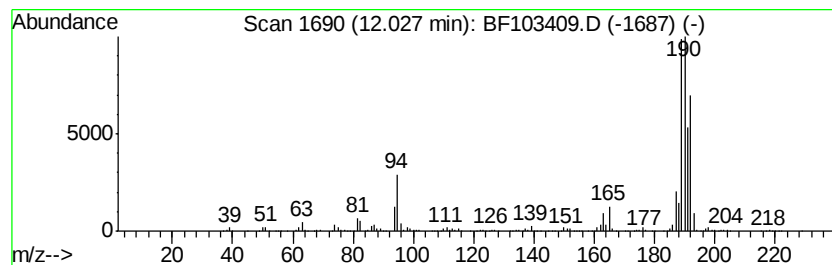
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	37.46 ng	1532220	Phenanthrene-d10	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	40
3		3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	22
4		Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103409.D
Acq On : 5 Mar 2018 15:03
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Sample : J1778-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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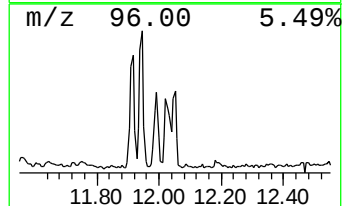
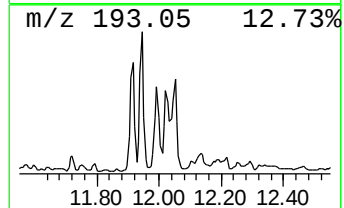
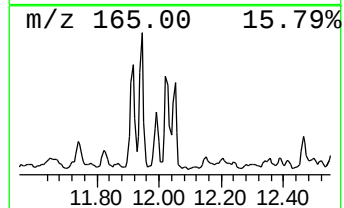
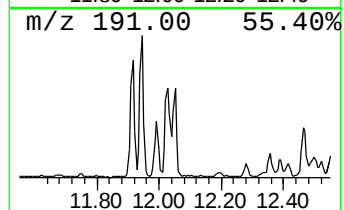
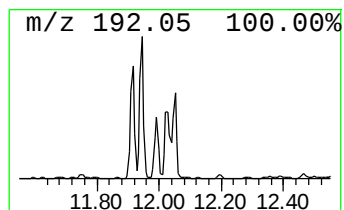
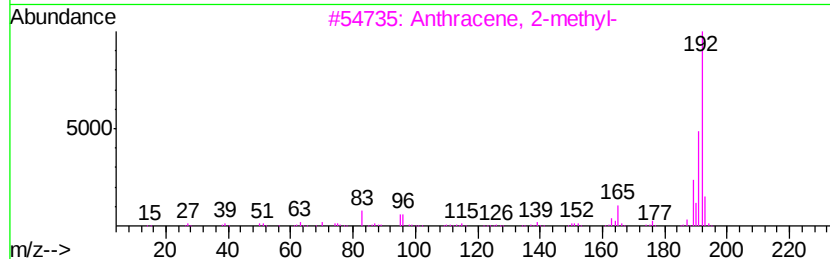
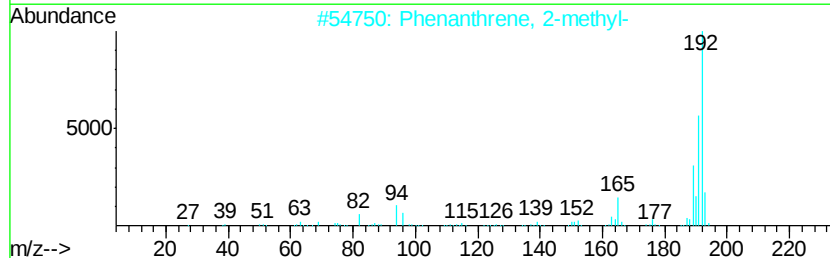
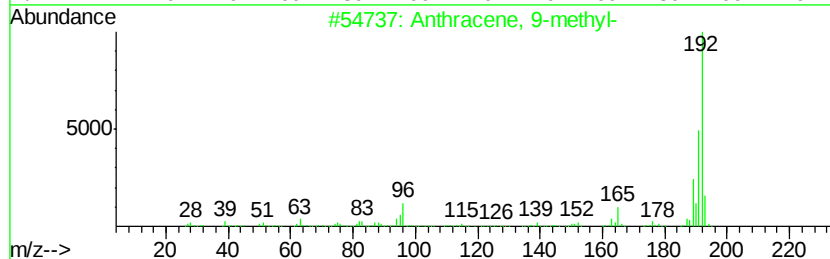
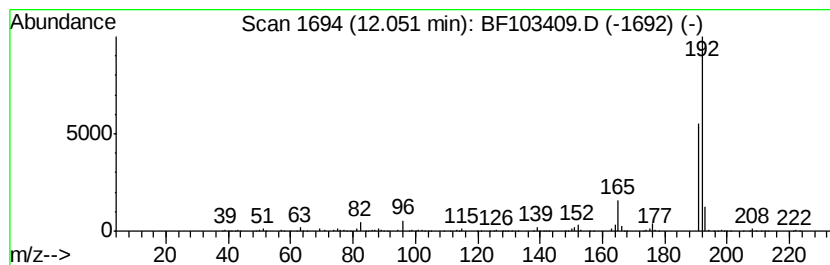
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	15.58 ng	637180	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
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Acq On : 5 Mar 2018 15:03
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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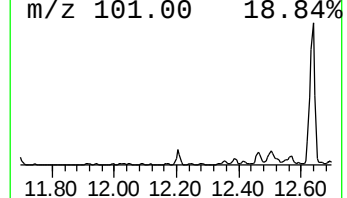
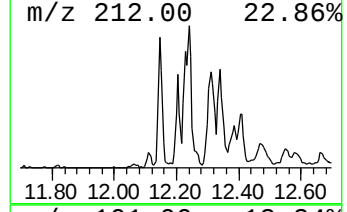
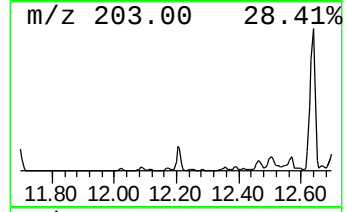
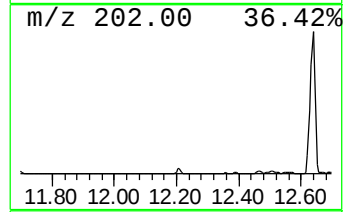
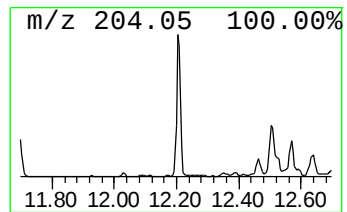
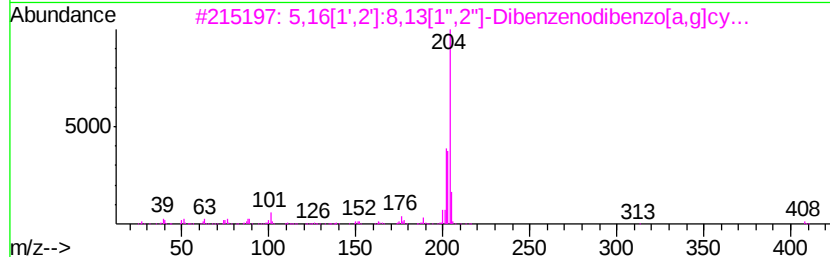
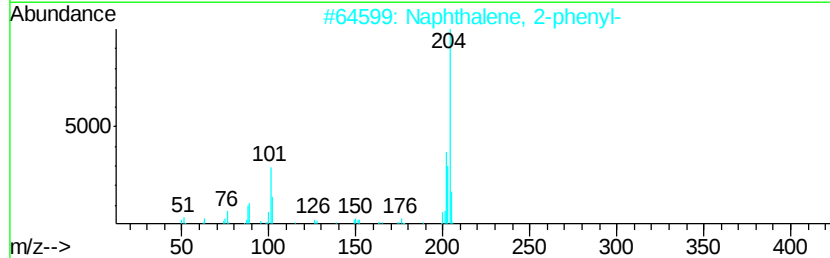
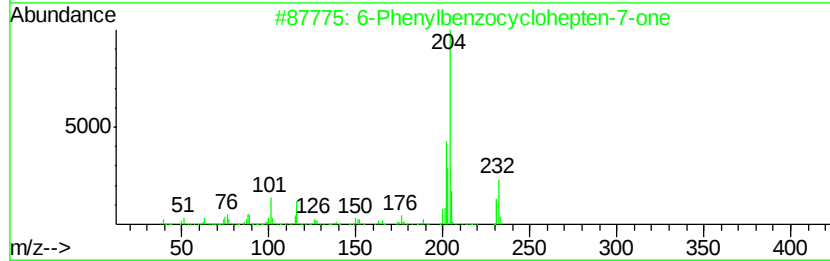
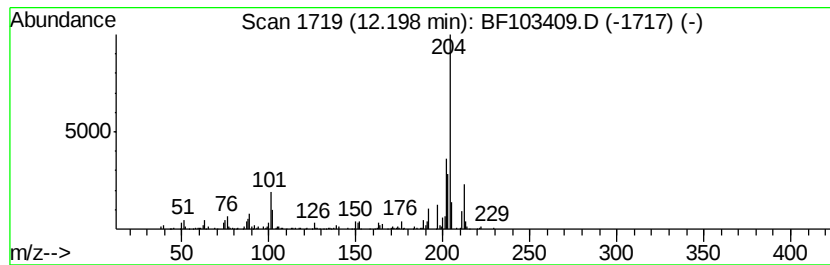
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 6-Phenylbenzocyclohepten-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	9.71 ng	397039	Phenanthrene-d10	11.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3			5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103409.D
Acq On : 5 Mar 2018 15:03
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Sample : J1778-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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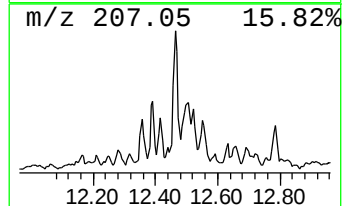
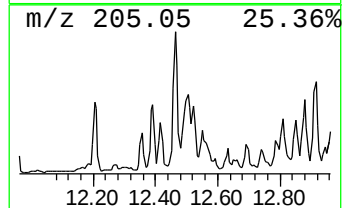
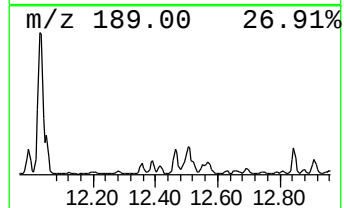
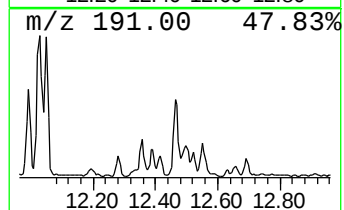
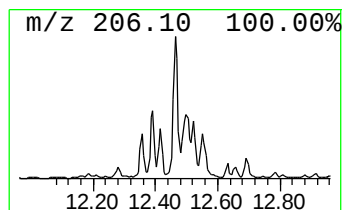
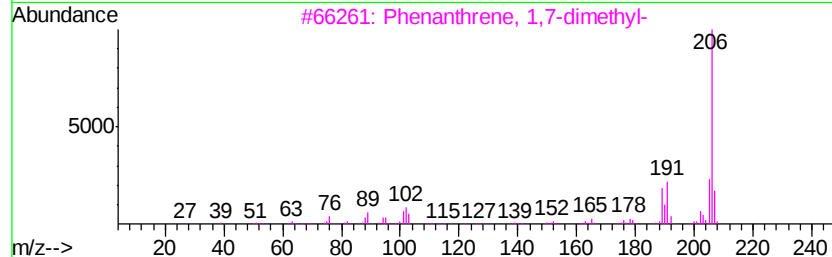
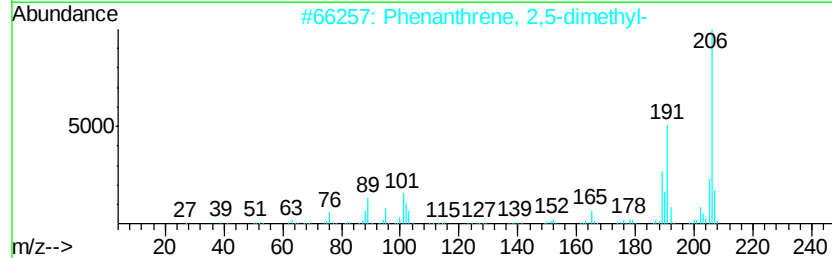
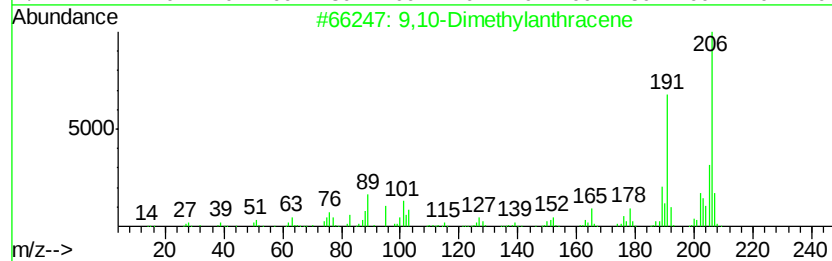
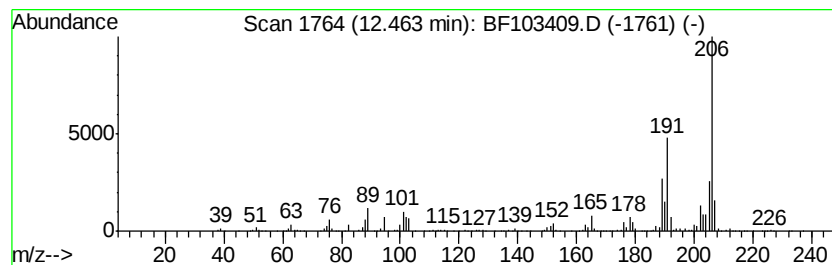
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	18.50 ng	756659	Phenanthrene-d10	11.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	98
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93



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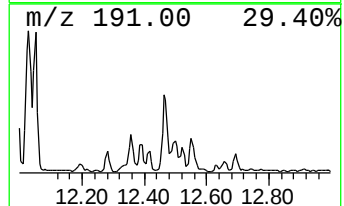
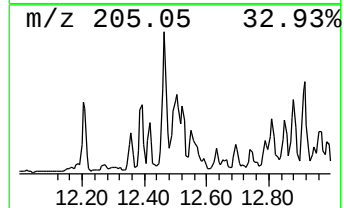
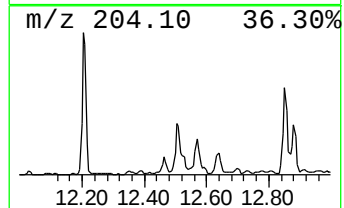
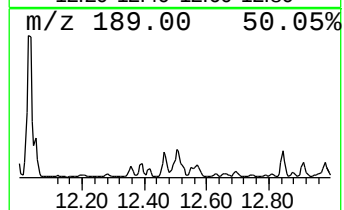
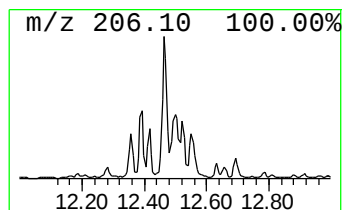
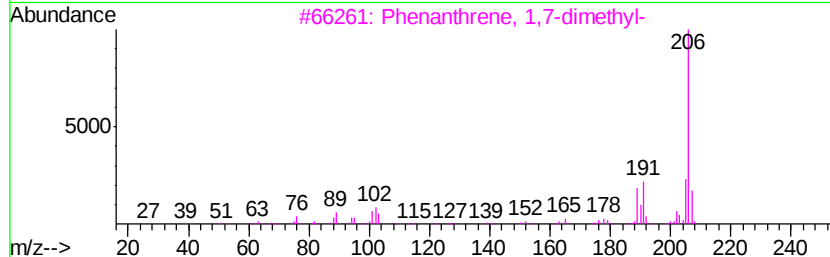
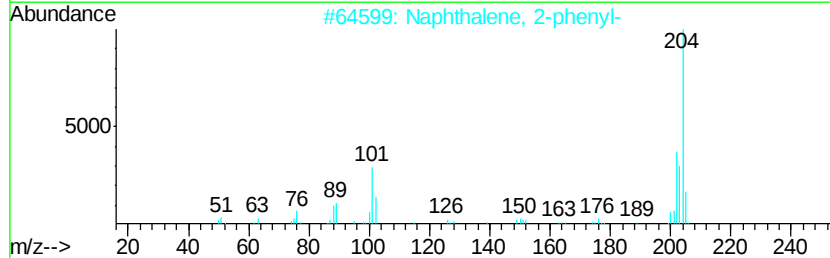
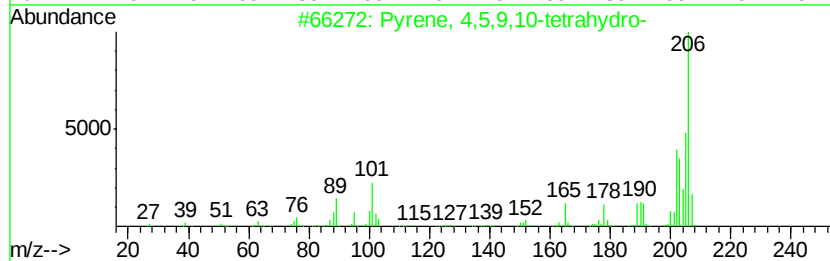
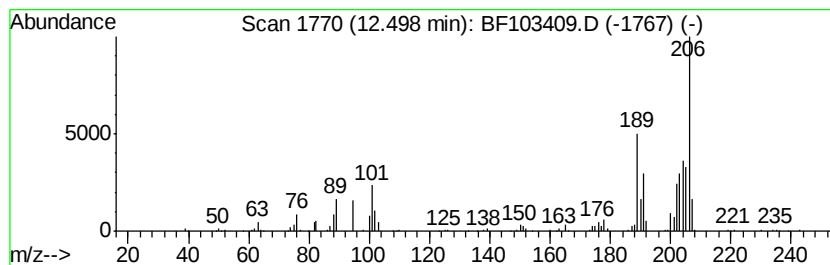
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown12.50 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.50	11.73 ng	479657	Phenanthrene-d10	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
4	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	25



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103409.D
Acq On : 5 Mar 2018 15:03
Operator : SJ/JU
Sample : J1778-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

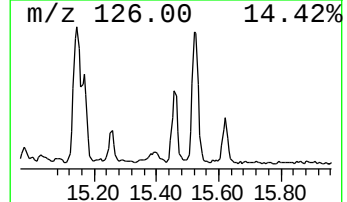
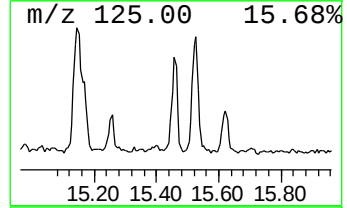
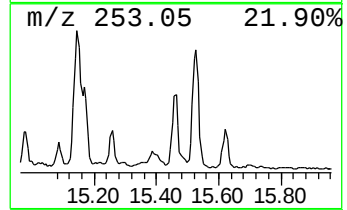
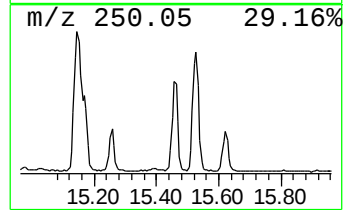
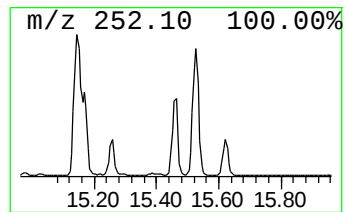
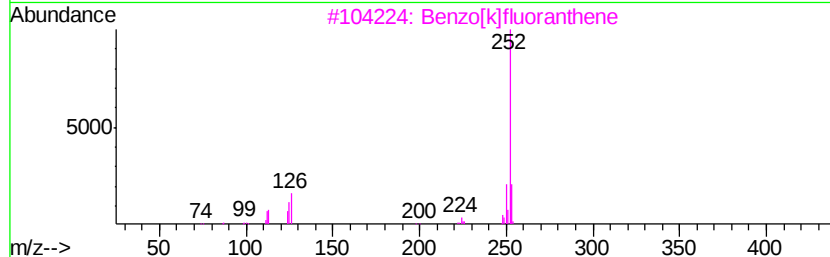
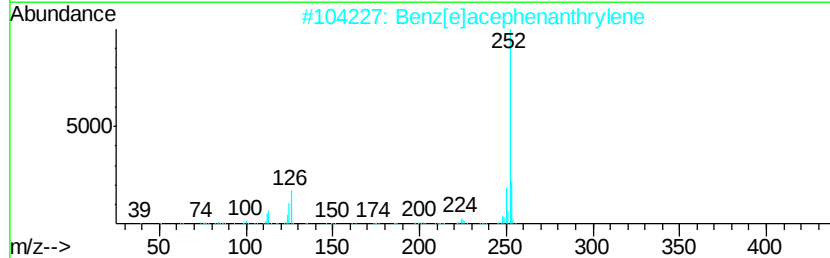
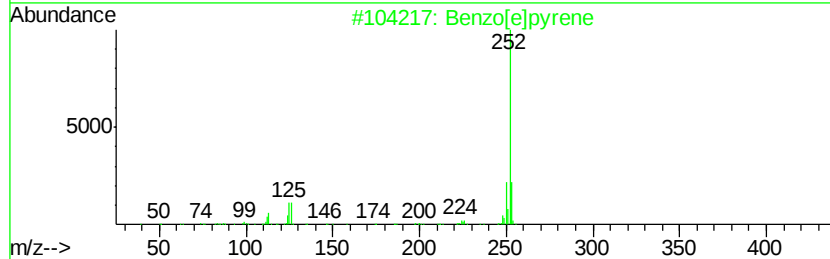
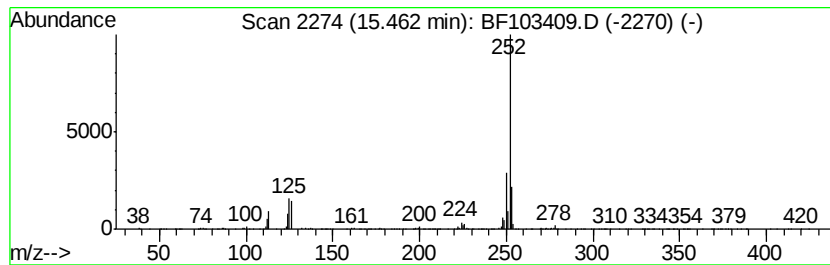
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	28.82 ng	465776	Perylene-d12	15.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Perylene	252	C20H12	000198-55-0	93



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF030518\
 Data File : BF103409.D
 Acq On : 5 Mar 2018 15:03
 Operator : SJ/JU
 Sample : J1778-04 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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
unknown6.65	6.65	27.7	ng	1376590	1	6.87	993074	20.0
Benzene, 2-etheny...	7.89	10.9	ng	568241	2	8.16	1043420	20.0
Naphthalene, 2-me...	8.97	36.0	ng	1875580	2	8.16	1043420	20.0
Naphthalene, 2-et...	9.43	9.2	ng	414296	3	9.92	900176	20.0
Naphthalene, 1,6-...	9.50	27.5	ng	1238450	3	9.92	900176	20.0
Naphthalene, 1,7-...	9.60	20.4	ng	918503	3	9.92	900176	20.0
Naphthalene, 1,6,...	10.23	10.3	ng	462181	3	9.92	900176	20.0
Tridecane, 2-methyl-	10.81	12.7	ng	519948	4	11.41	818155	20.0
9H-Fluorene, 2-me...	11.02	14.4	ng	590611	4	11.41	818155	20.0
Dibenzothiophene	11.30	14.4	ng	589393	4	11.41	818155	20.0
1-Methyldibenzoth...	11.74	10.4	ng	425509	4	11.41	818155	20.0
4H-Cyclopenta[def...	12.03	37.5	ng	1532220	4	11.41	818155	20.0
Anthracene, 9-met...	12.05	15.6	ng	637180	4	11.41	818155	20.0
6-Phenylbenzocycl...	12.20	9.7	ng	397039	4	11.41	818155	20.0
9,10-Dimethylanthe...	12.46	18.5	ng	756659	4	11.41	818155	20.0
unknown12.50	12.50	11.7	ng	479657	4	11.41	818155	20.0
Benzo[e]pyrene	15.46	28.8	ng	465776	6	15.59	323179	20.0