

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF030518\
 Data File : BF103404.D
 Acq On : 5 Mar 2018 12:50
 Operator : SJ/JU
 Sample : J1756-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030118-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:\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	5.092	509	511	516	rBV	18071	25903	1.88%	0.102%
2	5.504	577	581	601	rBV	805733	1342146	97.63%	5.280%
3	5.763	623	625	633	rVB	19151	24618	1.79%	0.097%
4	6.516	749	753	771	rBV	860400	1374718	100.00%	5.408%
5	6.645	771	775	781	rVV	1332976	1342530	97.66%	5.281%
6	6.692	781	783	790	rVB5	31948	40104	2.92%	0.158%
7	6.869	810	813	820	rBV	940294	856107	62.28%	3.368%
8	7.022	836	839	848	rBV	955563	986652	71.77%	3.881%
9	7.434	906	909	920	rBV	781521	849324	61.78%	3.341%
10	7.539	924	927	934	rVB7	10451	24108	1.75%	0.095%
11	8.122	1023	1026	1028	rVV	20502	24360	1.77%	0.096%
12	8.151	1028	1031	1042	rVV2	1055869	1340691	97.52%	5.274%
13	8.228	1042	1044	1050	rVB4	25309	36820	2.68%	0.145%
14	8.433	1071	1079	1084	rBV8	25738	39412	2.87%	0.155%
15	8.557	1097	1100	1102	rVB	36431	24777	1.80%	0.097%
16	8.651	1113	1116	1118	rBV3	20653	18848	1.37%	0.074%
17	8.728	1127	1129	1133	rBV2	24341	22948	1.67%	0.090%
18	8.822	1142	1145	1150	rVB4	24990	34294	2.49%	0.135%
19	8.869	1150	1153	1159	rBV	138642	133432	9.71%	0.525%
20	8.969	1164	1170	1175	rVB	144021	143809	10.46%	0.566%
21	9.057	1181	1185	1188	rVB4	14204	20606	1.50%	0.081%
22	9.092	1188	1191	1194	rBV3	29541	27093	1.97%	0.107%
23	9.133	1194	1198	1200	rBV3	21961	21924	1.59%	0.086%
24	9.157	1200	1202	1204	rBV	56691	44616	3.25%	0.176%
25	9.227	1210	1214	1222	rBV	1306937	1283377	93.36%	5.049%
26	9.298	1222	1226	1229	rVV2	61098	76487	5.56%	0.301%
27	9.333	1229	1232	1234	rVV2	41471	44312	3.22%	0.174%
28	9.375	1237	1239	1241	rVB2	22795	19202	1.40%	0.076%
29	9.427	1246	1248	1255	rVB	25132	36065	2.62%	0.142%
30	9.498	1255	1260	1263	rBV2	67581	101108	7.35%	0.398%
31	9.569	1268	1272	1274	rBV	113255	113696	8.27%	0.447%
32	9.616	1274	1280	1288	rVB4	115791	251130	18.27%	0.988%
33	9.686	1288	1292	1294	rBV2	54849	65413	4.76%	0.257%
34	9.775	1303	1307	1310	rBV2	154342	153579	11.17%	0.604%

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

35	9.822	1313	1315	1320	rVB	70515	75225	5.47%	0.296%
36	9.869	1320	1323	1324	rBV3	19628	23156	1.68%	0.091%
37	9.886	1324	1326	1327	rVV2	44593	36194	2.63%	0.142%
38	9.910	1327	1330	1334	rVV	1164627	1129213	82.14%	4.442%
39	9.945	1334	1336	1343	rVB	180910	175131	12.74%	0.689%
40	10.016	1344	1348	1352	rVV5	32392	49618	3.61%	0.195%
41	10.057	1352	1355	1358	rVV4	29519	41850	3.04%	0.165%
42	10.080	1358	1359	1361	rVV2	28872	25197	1.83%	0.099%
43	10.116	1361	1365	1368	rVV2	104625	125876	9.16%	0.495%
44	10.151	1368	1371	1374	rVB3	64422	65866	4.79%	0.259%
45	10.186	1374	1377	1379	rVB2	33131	33154	2.41%	0.130%
46	10.227	1380	1384	1387	rBV	63120	73879	5.37%	0.291%
47	10.257	1387	1389	1394	rVB3	42919	43502	3.16%	0.171%
48	10.322	1394	1400	1404	rBV3	110382	166121	12.08%	0.654%
49	10.404	1412	1414	1417	rVB3	37822	35688	2.60%	0.140%
50	10.433	1417	1419	1421	rBV3	40053	40280	2.93%	0.158%
51	10.463	1421	1424	1430	rVV	228406	247773	18.02%	0.975%
52	10.545	1430	1438	1440	rVV4	107682	159723	11.62%	0.628%
53	10.569	1440	1442	1445	rVV3	34524	36194	2.63%	0.142%
54	10.598	1445	1447	1448	rVV2	33317	27752	2.02%	0.109%
55	10.622	1448	1451	1454	rVV4	43539	52180	3.80%	0.205%
56	10.663	1456	1458	1460	rVB2	25338	18682	1.36%	0.073%
57	10.710	1461	1466	1475	rBV2	611201	719999	52.37%	2.832%
58	10.798	1478	1481	1492	rBV3	106413	195438	14.22%	0.769%
59	10.892	1495	1497	1500	rBV4	27982	29402	2.14%	0.116%
60	11.010	1512	1517	1520	rBV2	66703	100320	7.30%	0.395%
61	11.039	1520	1522	1528	rVB	46225	45239	3.29%	0.178%
62	11.092	1528	1531	1534	rVB2	42456	40607	2.95%	0.160%
63	11.133	1534	1538	1541	rBV4	33180	61818	4.50%	0.243%
64	11.245	1555	1557	1560	rBV	85211	79258	5.77%	0.312%
65	11.274	1560	1562	1564	rVV	83237	76596	5.57%	0.301%
66	11.304	1564	1567	1569	rVB	101679	93435	6.80%	0.368%
67	11.404	1581	1584	1586	rBV	918518	875780	63.71%	3.445%
68	11.433	1586	1589	1592	rVV	1075332	1010531	73.51%	3.975%
69	11.480	1594	1597	1602	rVV	278240	291591	21.21%	1.147%
70	11.521	1602	1604	1608	rVB2	39527	38551	2.80%	0.152%
71	11.645	1620	1625	1628	rBV2	94524	142129	10.34%	0.559%

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72	11.674	1628	1630	1632	rVB	63905	47830	3.48%	0.188%
73	11.739	1638	1641	1645	rVB2	61143	58997	4.29%	0.232%
74	11.774	1645	1647	1650	rVB2	42138	36150	2.63%	0.142%
75	11.821	1652	1655	1659	rBV2	39274	51177	3.72%	0.201%
76	11.910	1667	1670	1673	rBV2	201765	246705	17.95%	0.971%
77	11.939	1673	1675	1678	rVV	227076	183368	13.34%	0.721%
78	11.986	1680	1683	1686	rVV	85161	84507	6.15%	0.332%
79	12.021	1686	1689	1692	rVV2	289691	331083	24.08%	1.302%
80	12.045	1692	1693	1697	rVB	135815	79657	5.79%	0.313%
81	12.086	1697	1700	1702	rBV2	57982	60961	4.43%	0.240%
82	12.204	1717	1720	1722	rBV	94878	84890	6.18%	0.334%
83	12.239	1724	1726	1730	rVB3	73596	75644	5.50%	0.298%
84	12.463	1760	1764	1766	rBV3	204074	240999	17.53%	0.948%
85	12.486	1766	1768	1772	rVV3	106532	128268	9.33%	0.505%
86	12.563	1776	1781	1782	rBV4	62981	112213	8.16%	0.441%
87	12.627	1788	1792	1795	rBV	1164606	1034773	75.27%	4.071%
88	12.857	1825	1831	1837	rBV	991065	1157598	84.21%	4.554%
89	12.910	1837	1840	1843	rVB2	58469	63604	4.63%	0.250%
90	12.986	1850	1853	1857	rVB	828708	746202	54.28%	2.935%
91	13.186	1884	1887	1892	rVB	160910	192408	14.00%	0.757%
92	13.251	1895	1898	1901	rVV	145351	113475	8.25%	0.446%
93	13.386	1919	1921	1923	rBV	67133	50345	3.66%	0.198%
94	13.868	2000	2003	2008	rBV4	141458	202799	14.75%	0.798%
95	14.062	2031	2036	2039	rBV2	823742	1158610	84.28%	4.558%
96	14.086	2039	2040	2044	rVB	380047	288939	21.02%	1.137%
97	14.168	2052	2054	2056	rBV	113207	95254	6.93%	0.375%
98	15.133	2214	2218	2220	rBV	277394	394767	28.72%	1.553%
99	15.515	2280	2283	2285	rVB	257997	279197	20.31%	1.098%
100	15.574	2290	2293	2297	rVB2	328149	392401	28.54%	1.544%

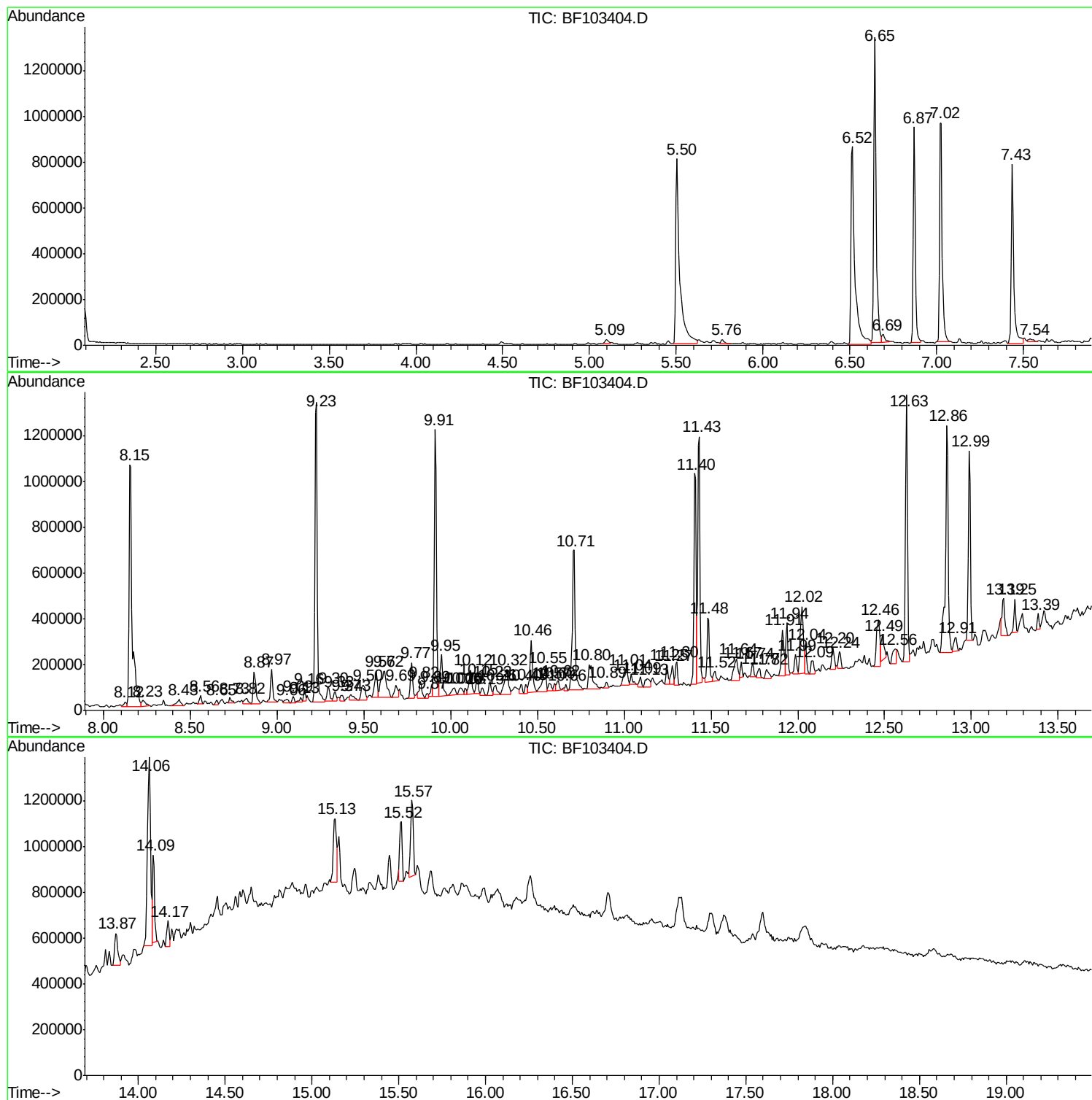
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
OR-01-030118-B

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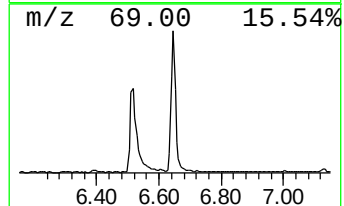
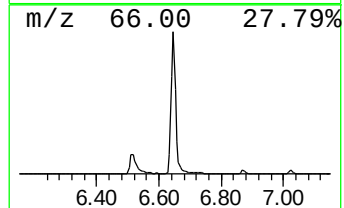
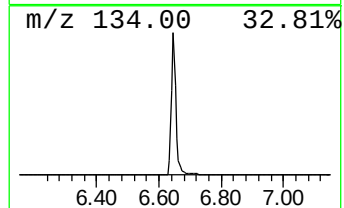
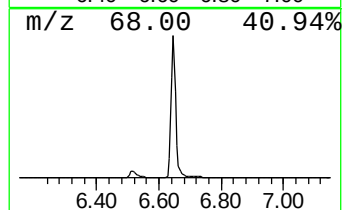
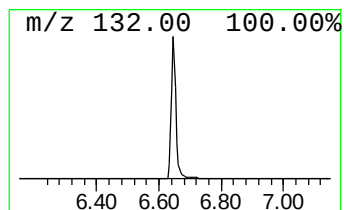
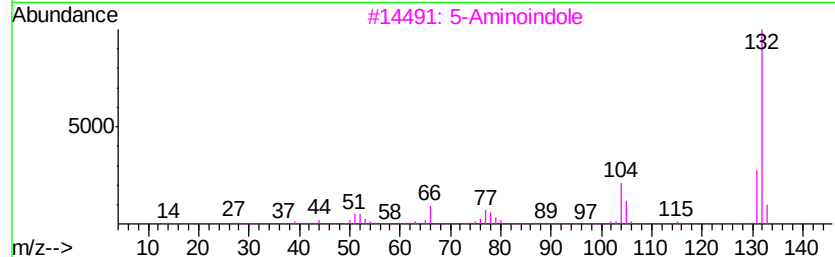
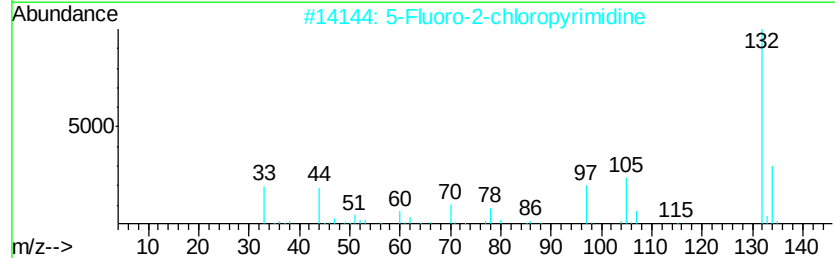
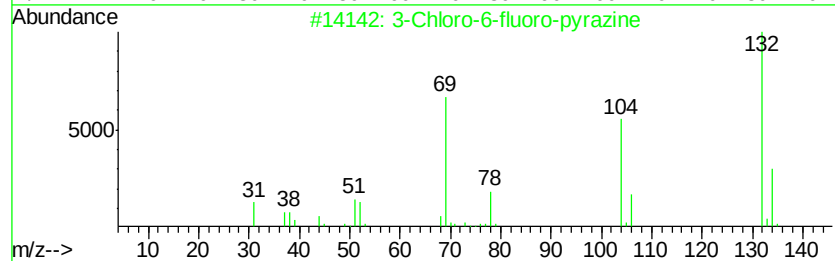
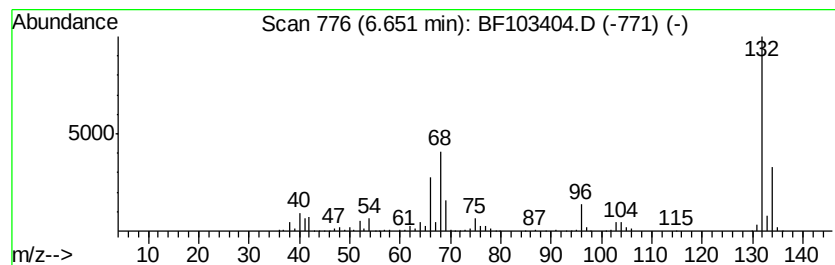
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	31.36 ng	1342530	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		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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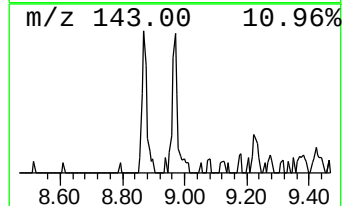
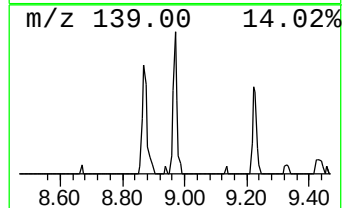
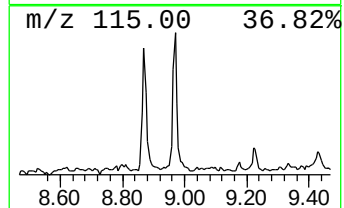
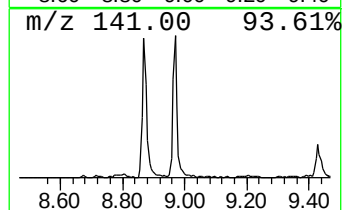
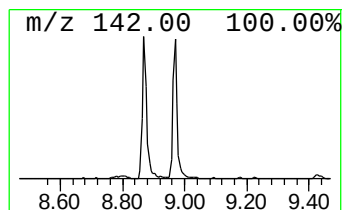
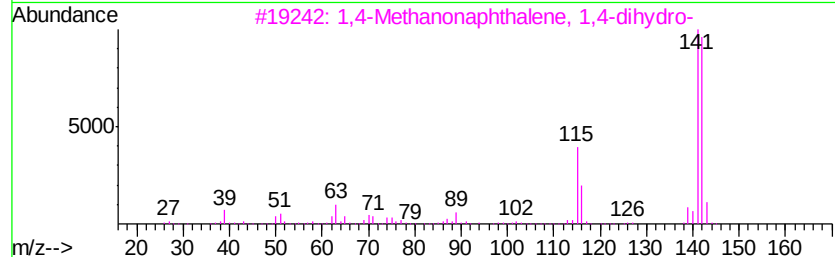
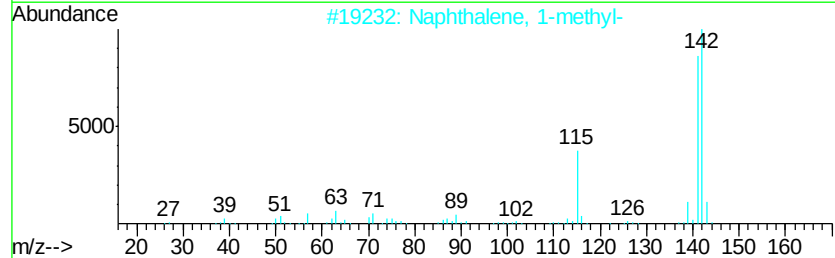
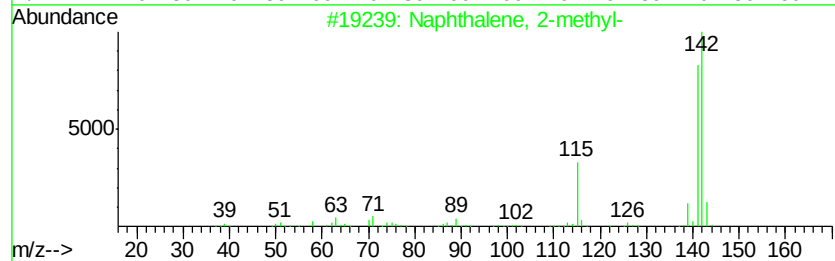
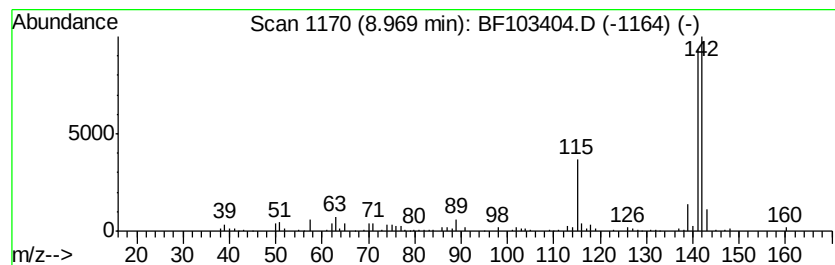
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	2.15 ng	143809	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	94
4		Benzocycloheptatriene	142	C11H10	000264-09-5	94
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



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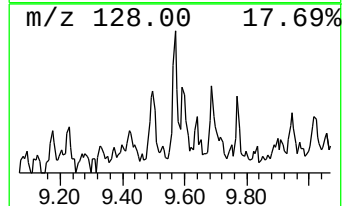
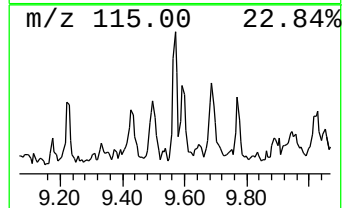
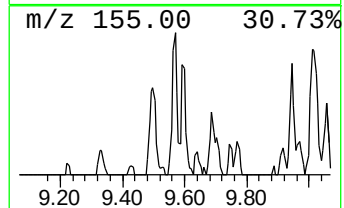
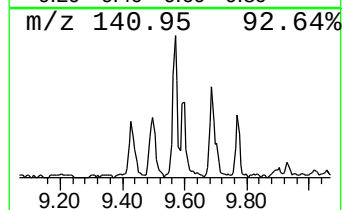
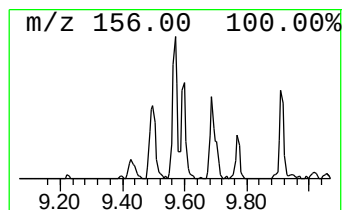
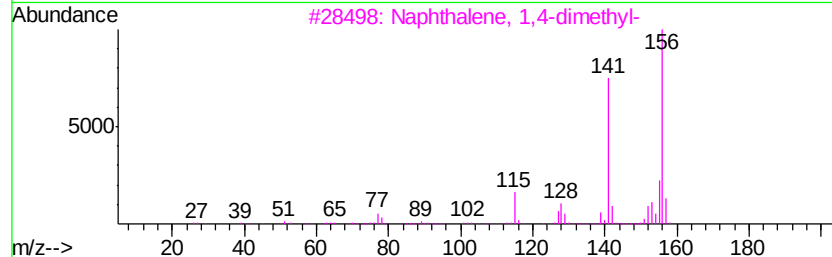
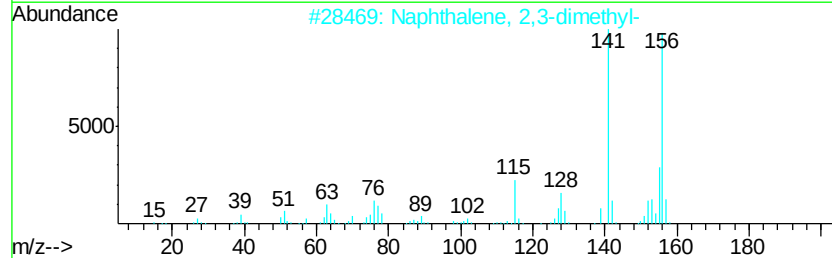
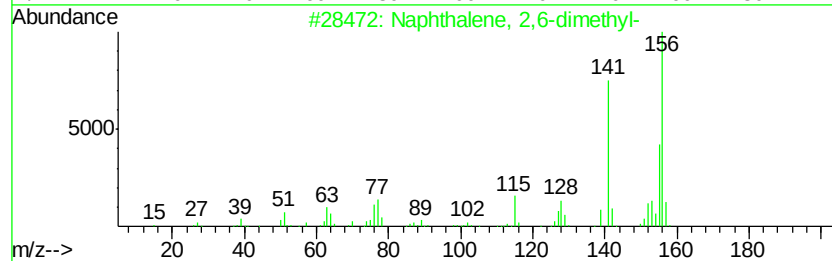
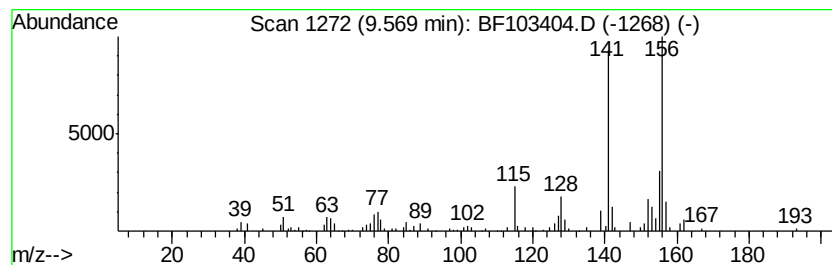
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.57	2.01 ng	113696	Acenaphthene-d10		9.91	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



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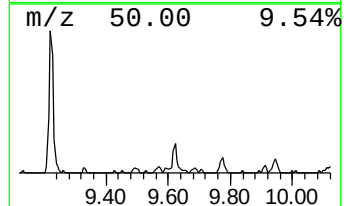
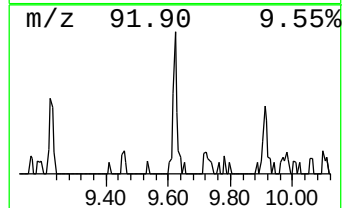
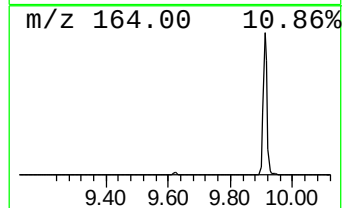
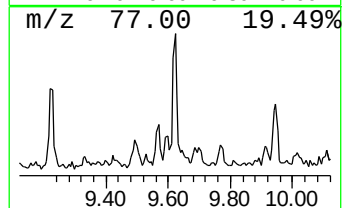
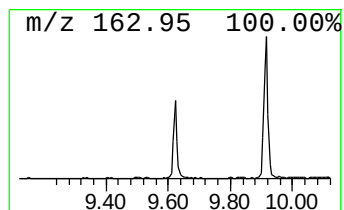
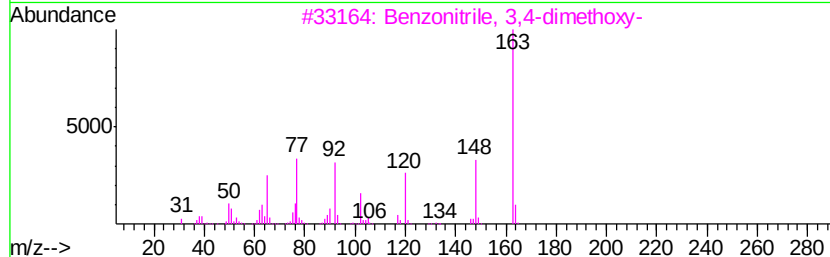
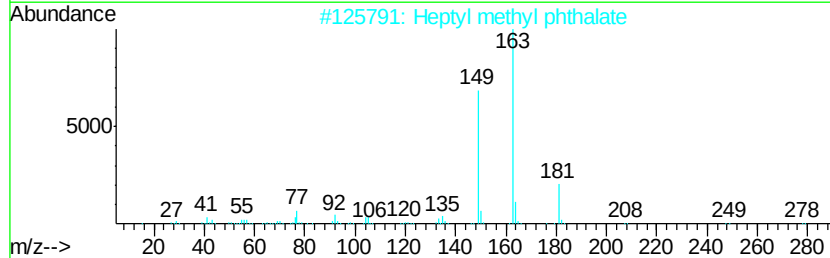
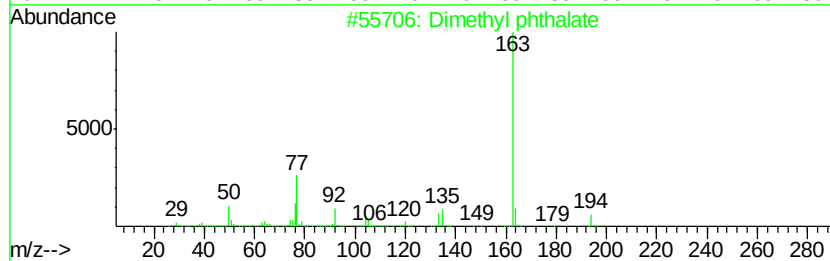
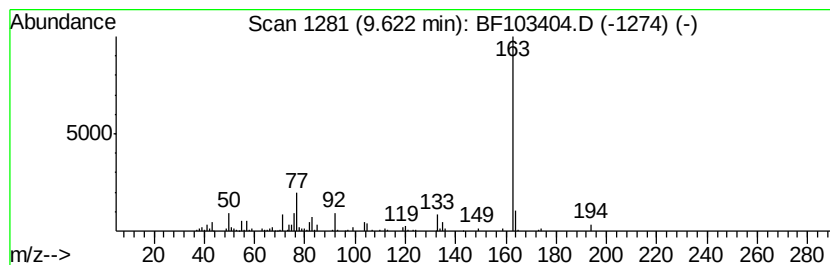
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dimethyl phthalate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	4.45 ng	251130	Acenaphthene-d10	9.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dimethyl phthalate	194 C10H10O4	000131-11-3 90
2		Heptyl methyl phthalate	278 C16H22O4	1000373-88-4 50
3		Benzonitrile, 3,4-dimethoxy-	163 C9H9NO2	002024-83-1 46
4		Pyrido[2,3-d]pyridazine-5(6H)-th...	163 C7H5N3S	015370-85-1 38
5		Pyrido[2,3-d]pyridazine-8(7H)-th...	163 C7H5N3S	015370-74-8 27



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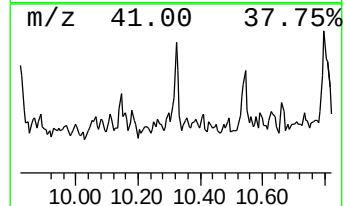
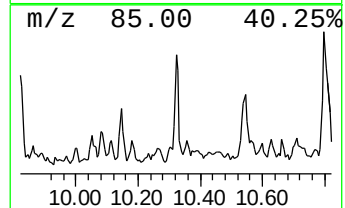
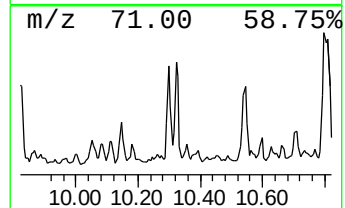
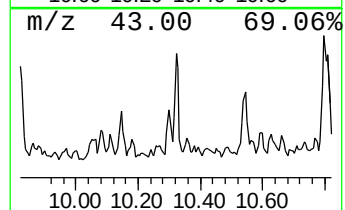
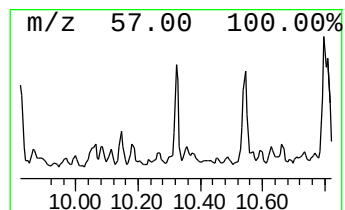
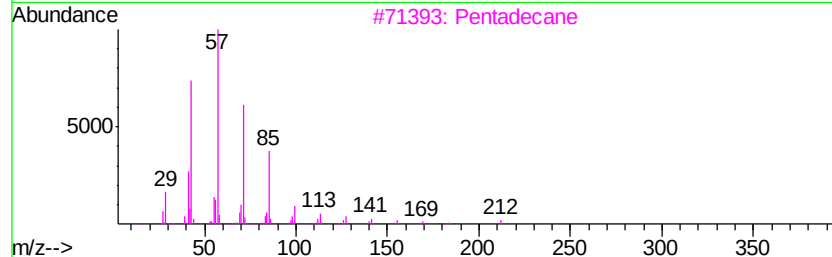
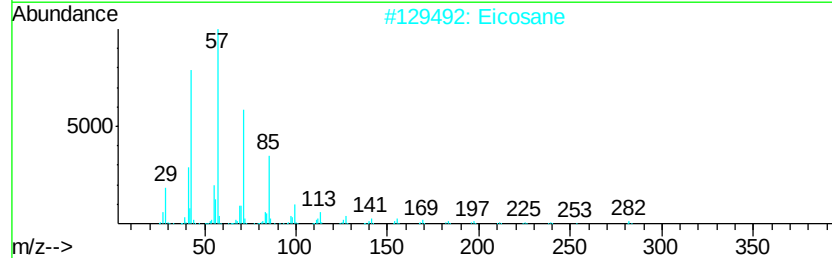
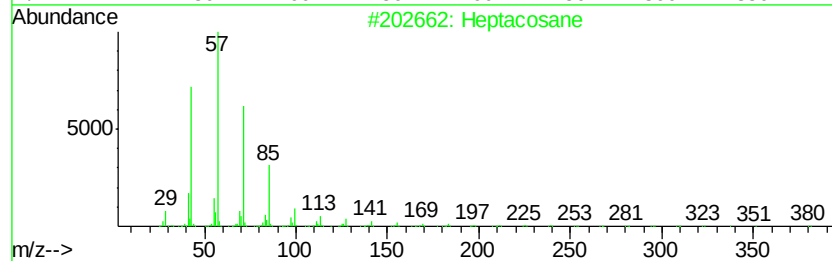
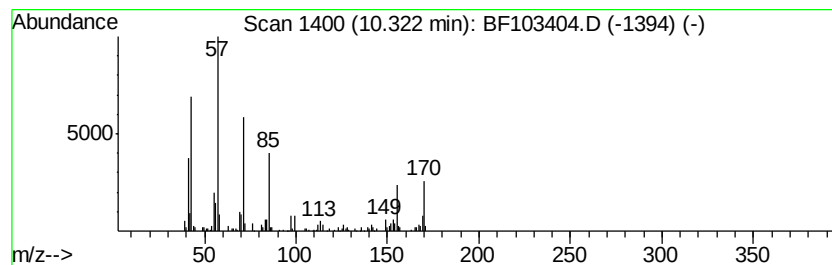
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.94 ng	166121	Acenaphthene-d10	9.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	52
2	Eicosane	282 C20H42	000112-95-8	50
3	Pentadecane	212 C15H32	000629-62-9	50
4	Tetradecane	198 C14H30	000629-59-4	49
5	Tetracosane	338 C24H50	000646-31-1	49



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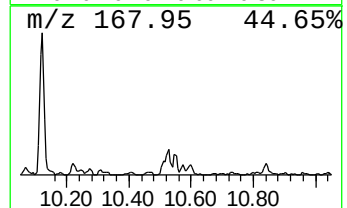
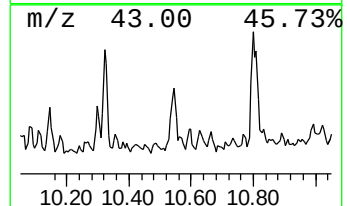
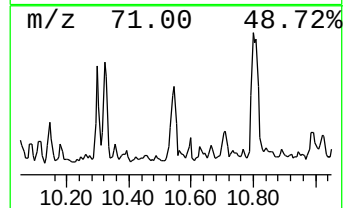
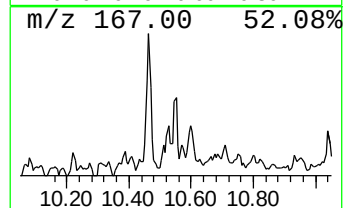
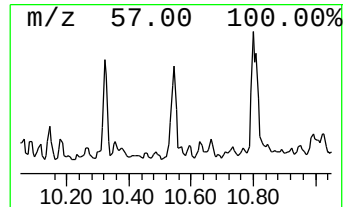
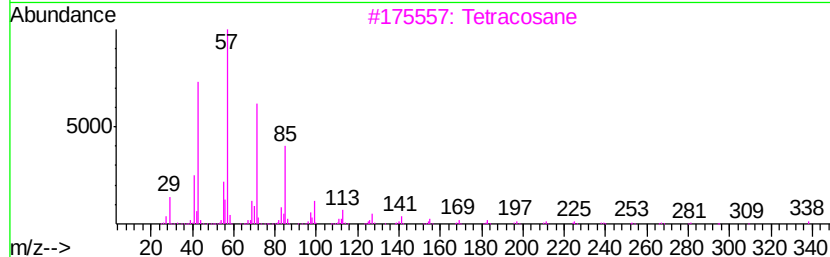
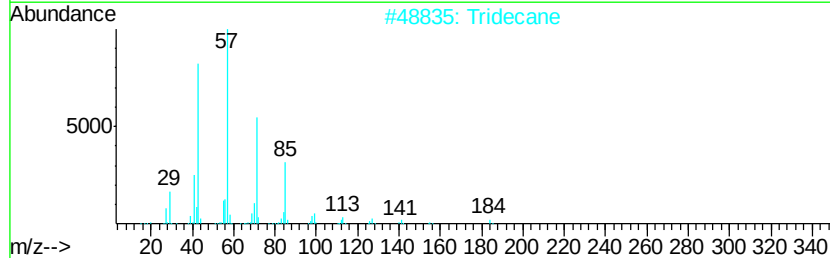
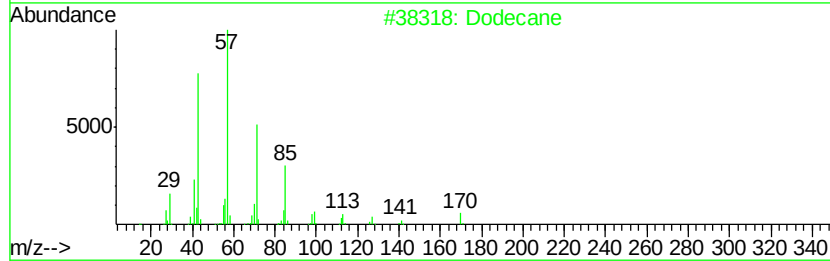
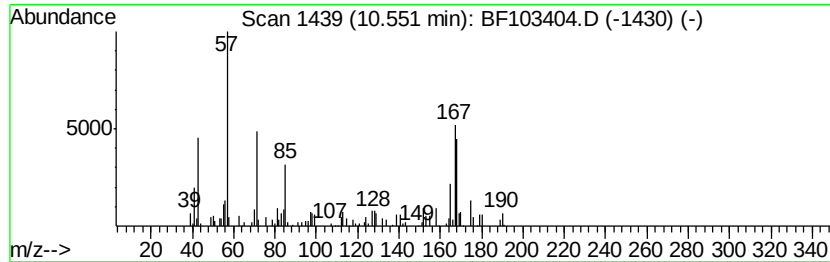
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	2.83 ng	159723	Acenaphthene-d10	9.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	78
2	Tridecane	184 C13H28	000629-50-5	50
3	Tetracosane	338 C24H50	000646-31-1	46
4	Undecane, 2,5-dimethyl-	184 C13H28	017301-22-3	46
5	Heneicosane	296 C21H44	000629-94-7	46



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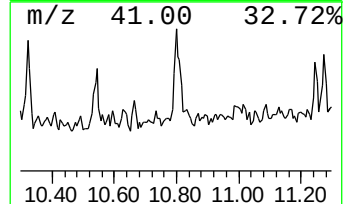
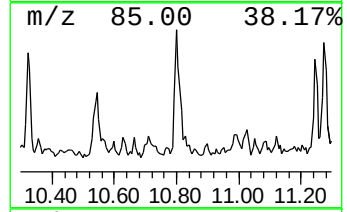
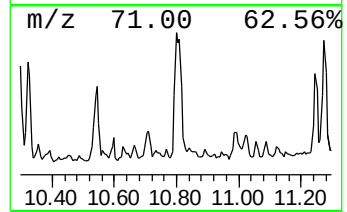
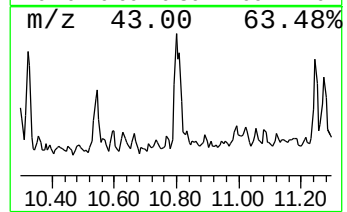
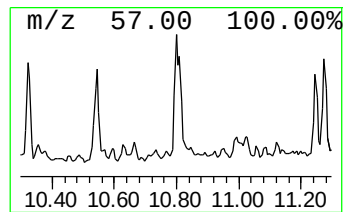
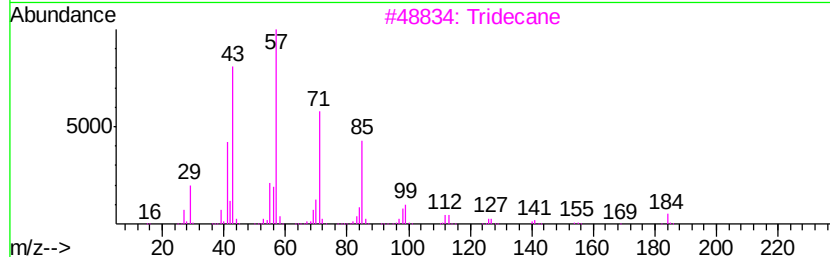
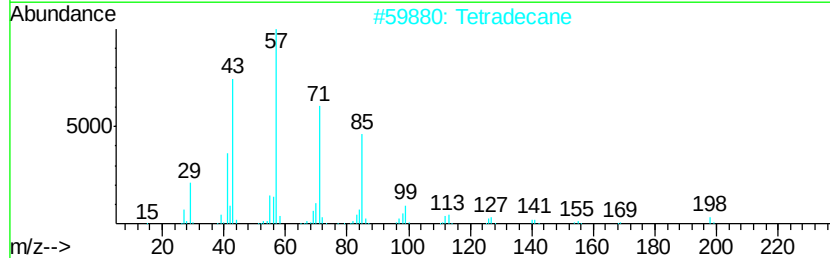
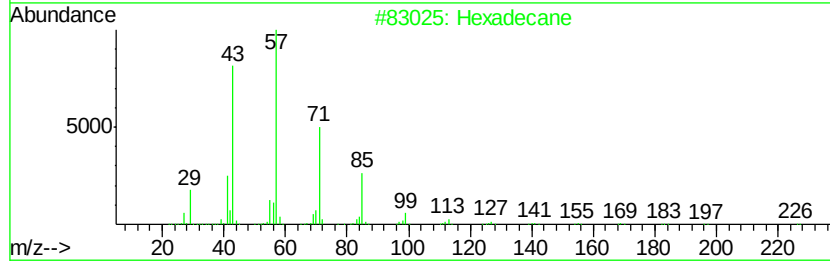
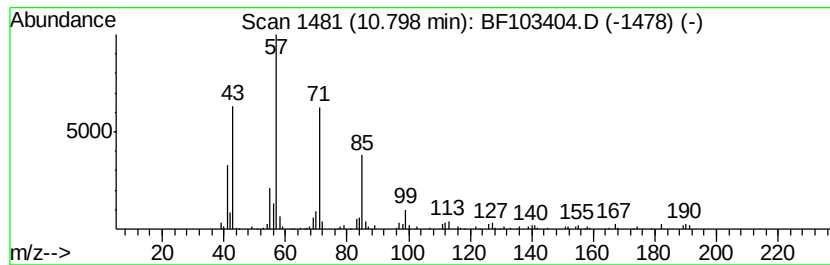
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.80	4.46 ng	195438	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tridecane	184	C13H28	000629-50-5	86
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	78
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78



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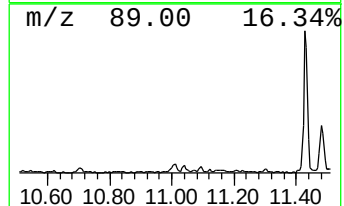
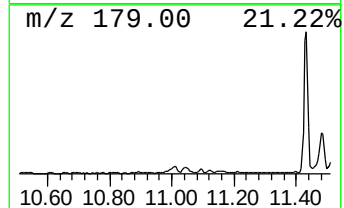
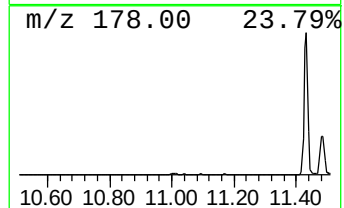
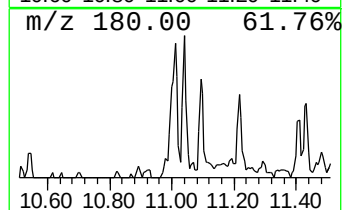
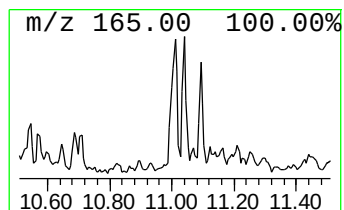
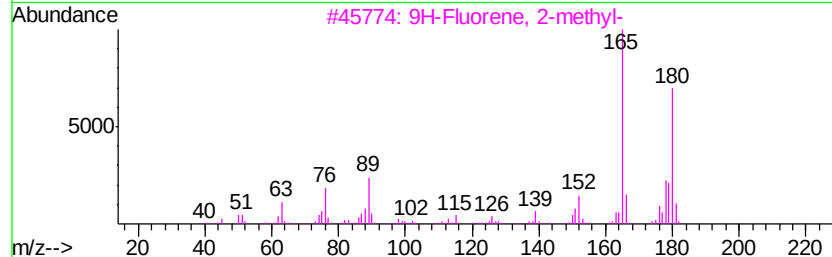
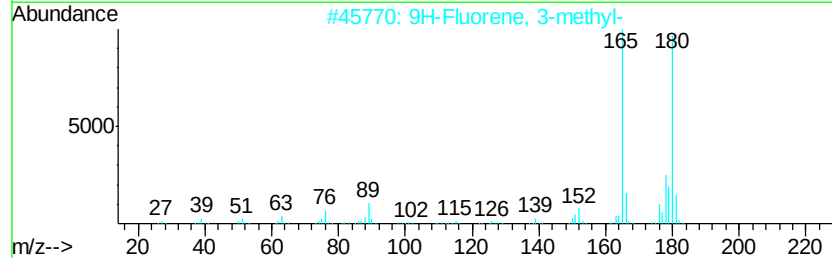
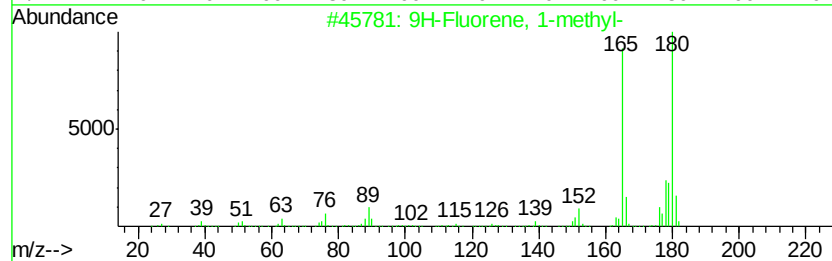
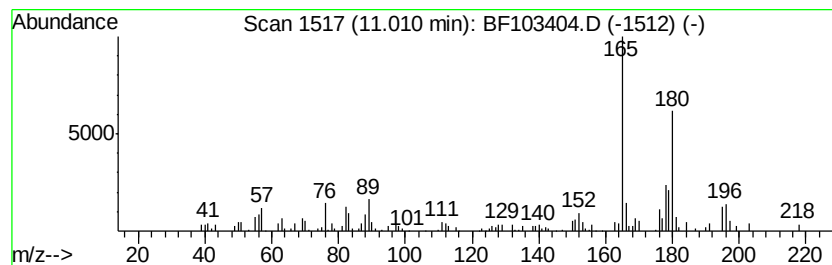
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.01	2.29 ng	100320	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64



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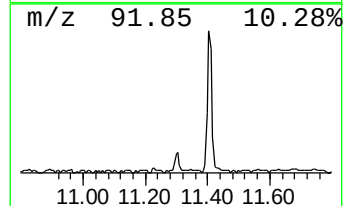
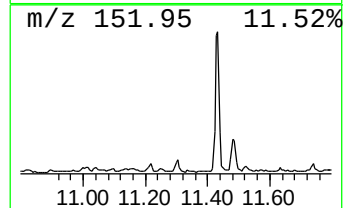
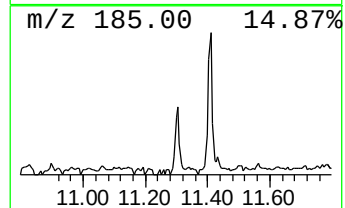
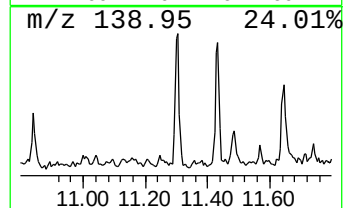
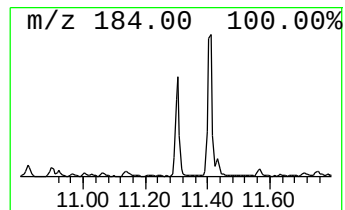
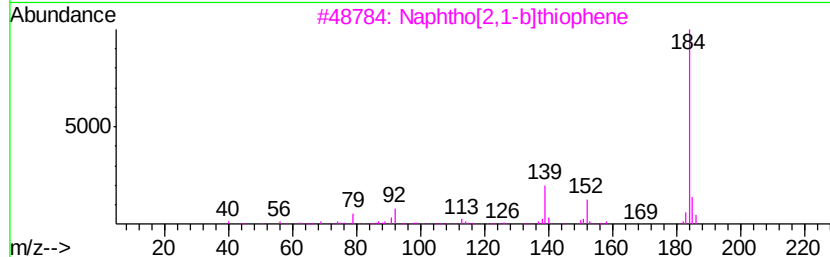
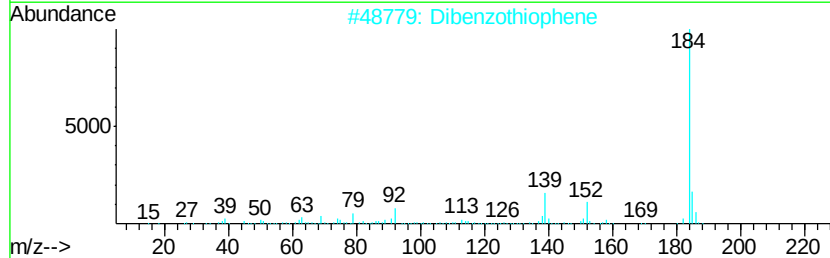
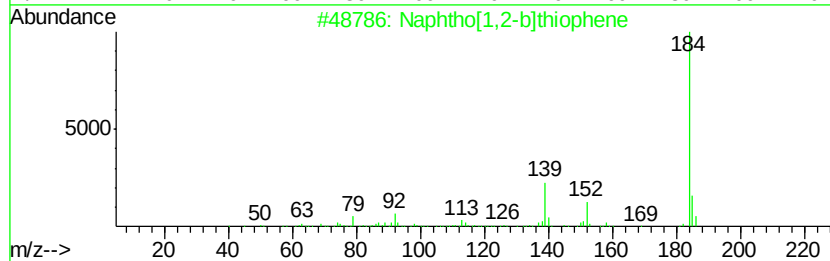
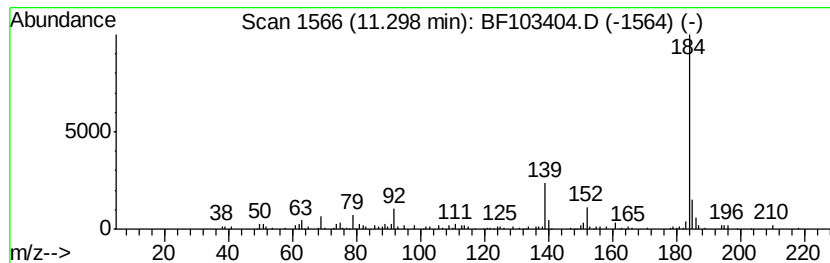
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphtho[1,2-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.30	2.13 ng	93435	Phenanthrene-d10		11.40		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2			Dibenzothiophene	184	C12H8S	000132-65-0	94
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



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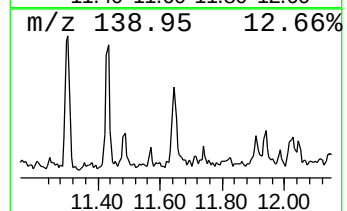
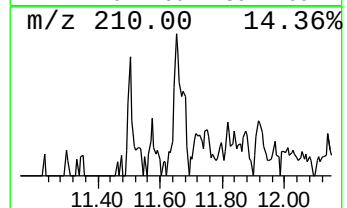
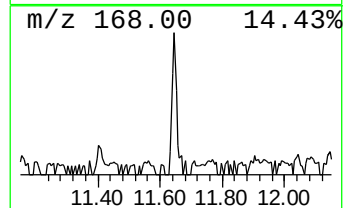
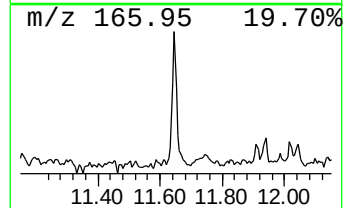
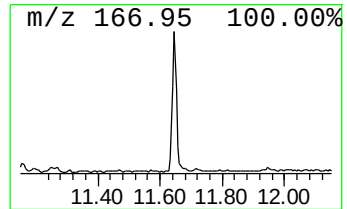
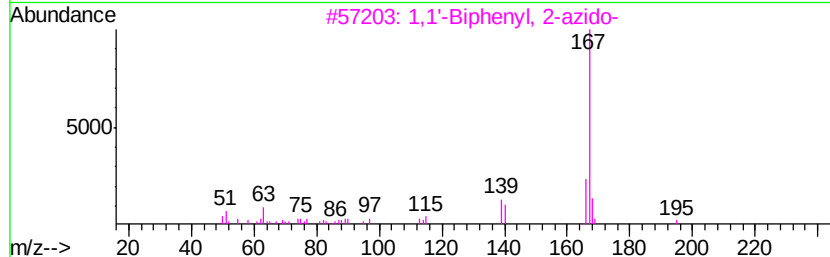
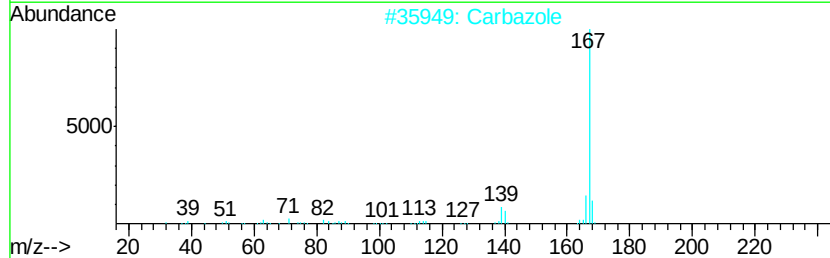
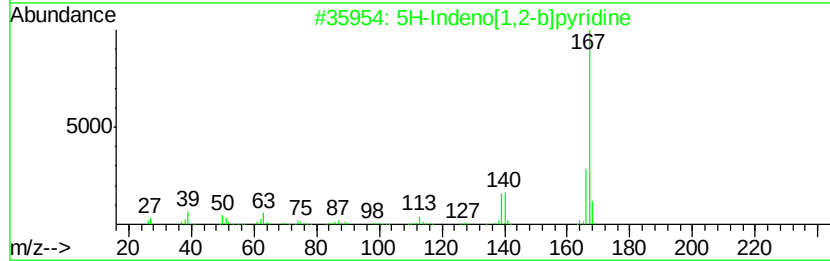
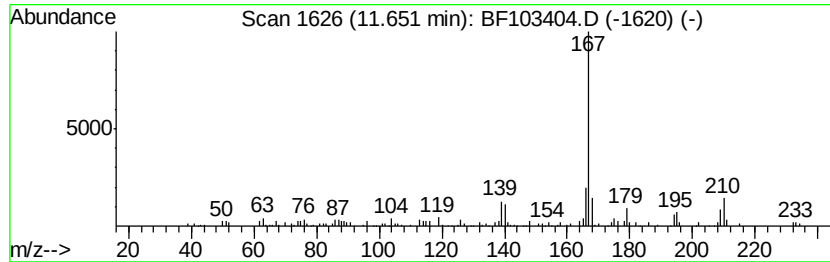
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OR-01-030118-B

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 12 5H-Indeno[1,2-b]pyridine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.65	3.25 ng	142129	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
2	Carbazole	167	C12H9N	000086-74-8	87
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29N08	074410-42-7	80



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Data File : BF103404.D
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Operator : SJ/JU
Sample : J1756-03 2X
Misc :
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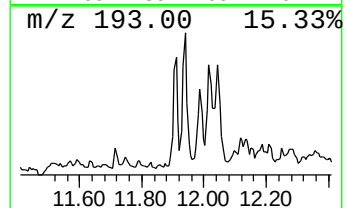
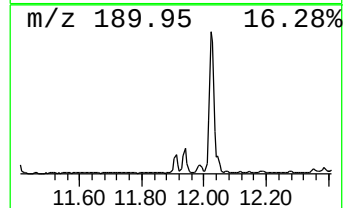
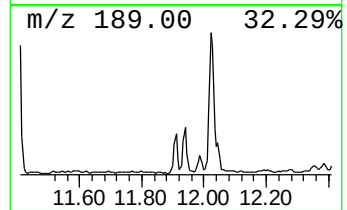
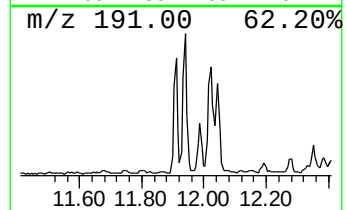
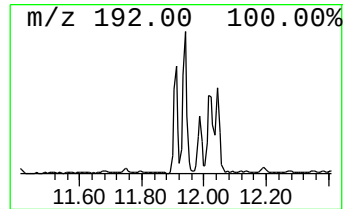
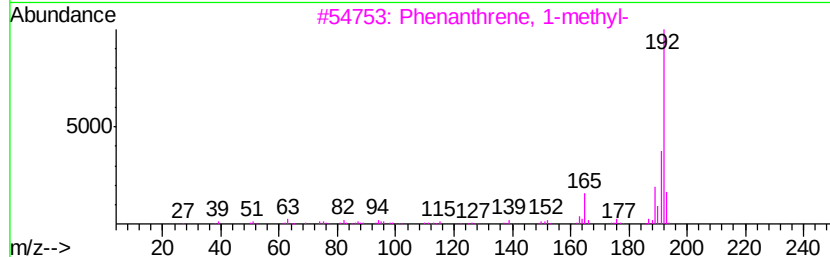
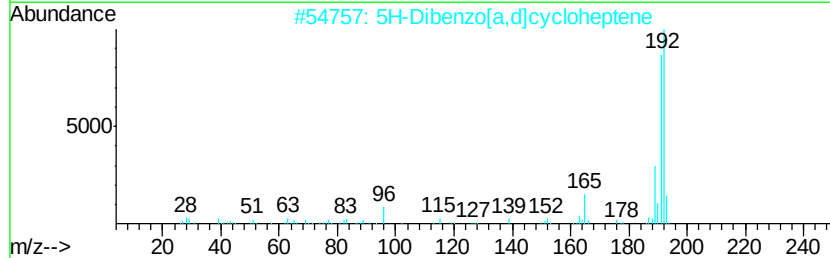
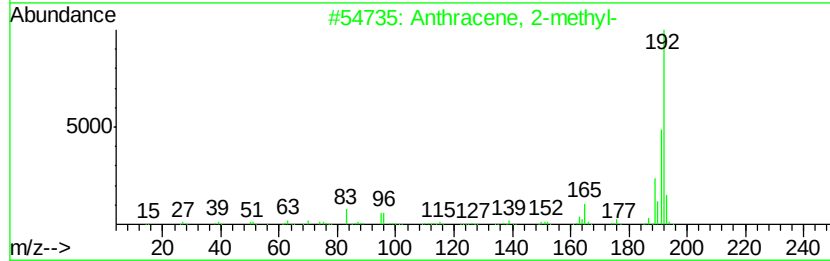
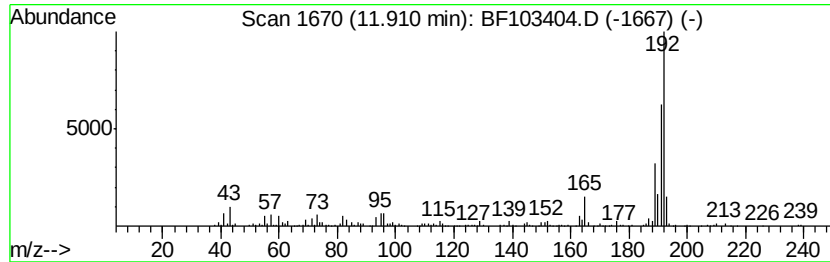
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.91	5.63 ng	246705	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95



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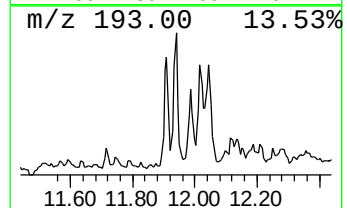
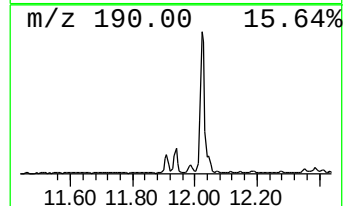
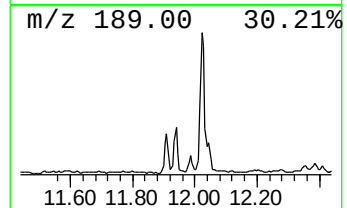
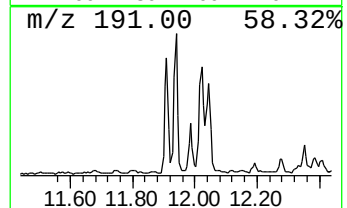
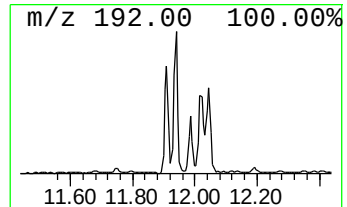
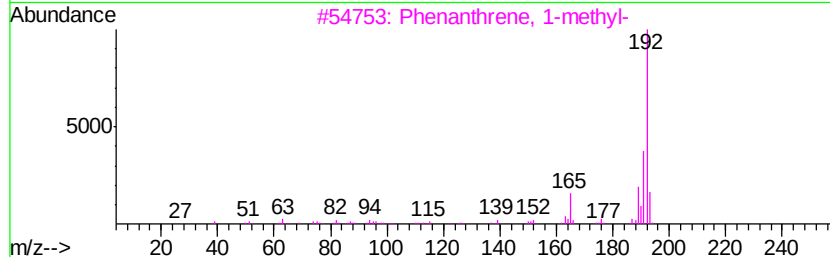
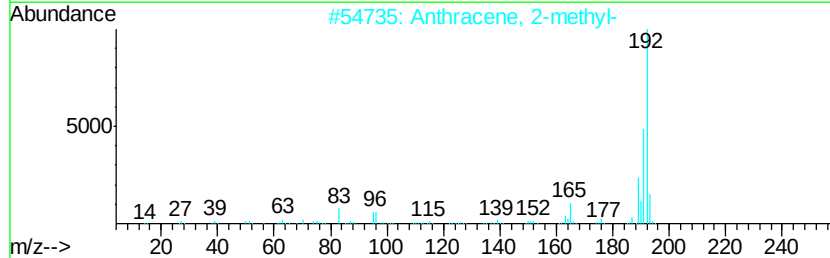
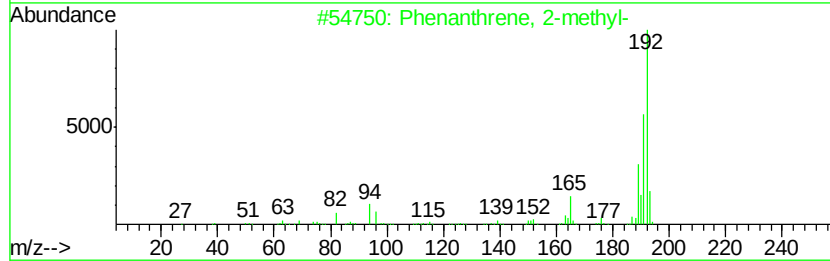
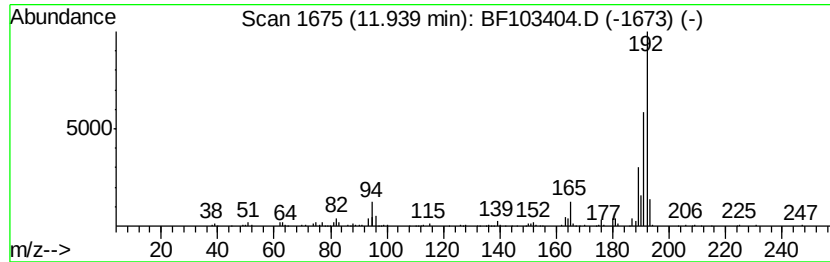
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	4.19 ng	183368	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



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Operator : SJ/JU
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ALS Vial : 6 Sample Multiplier: 1

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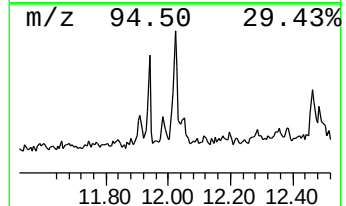
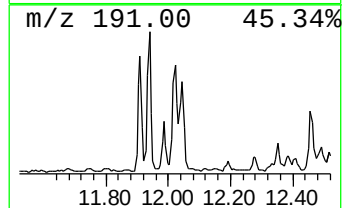
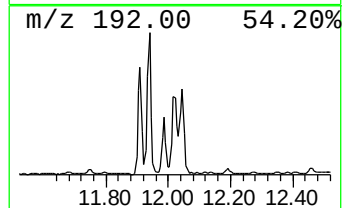
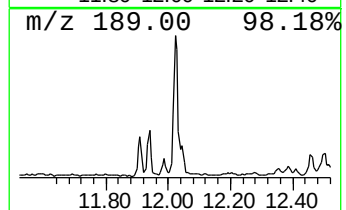
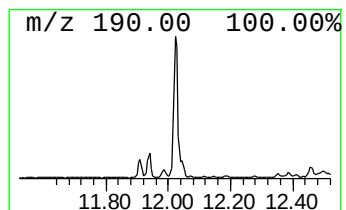
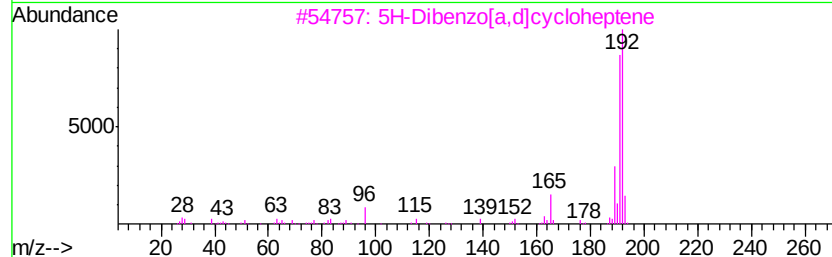
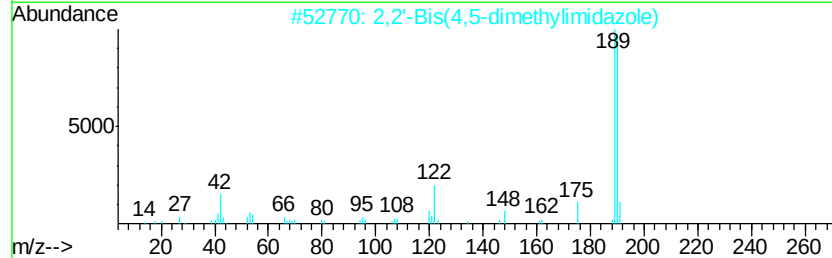
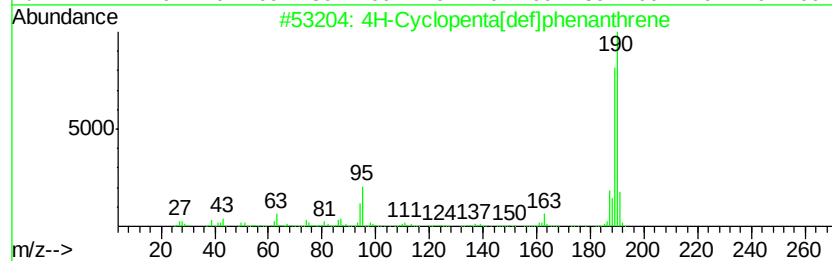
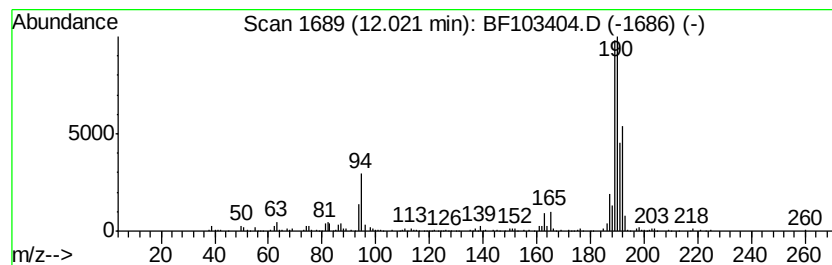
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.56 ng	331083	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	32
3			5H-Dibenzofa,d]cycloheptene	192	C15H12	000256-81-5	18
4			Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	16
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	11



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
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ALS Vial : 6 Sample Multiplier: 1

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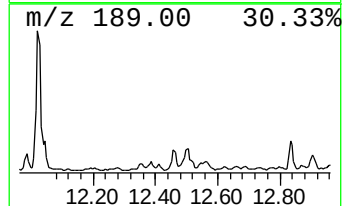
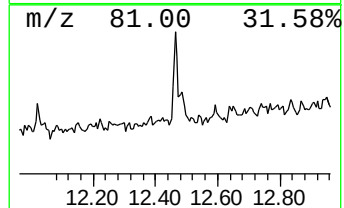
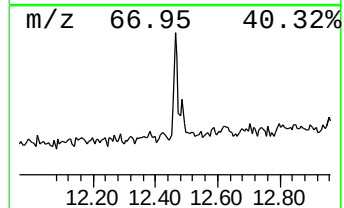
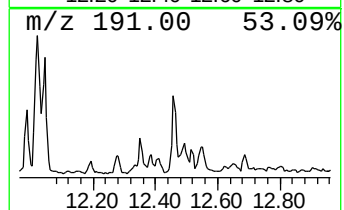
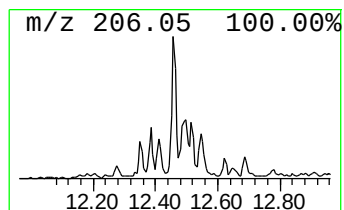
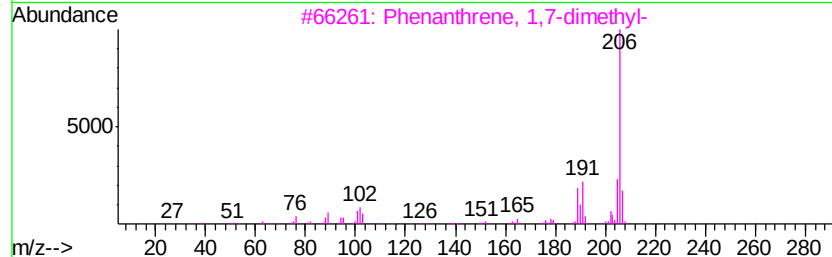
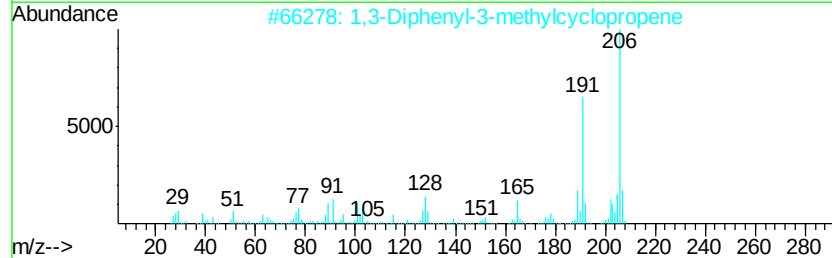
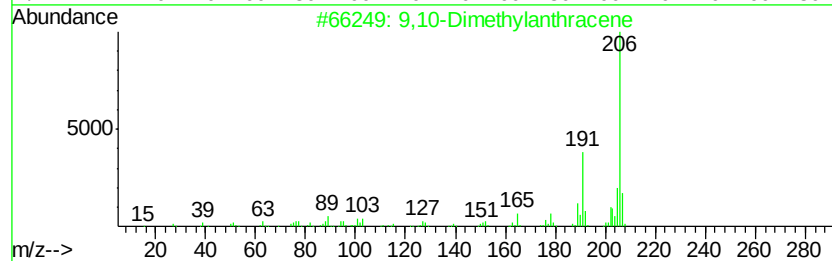
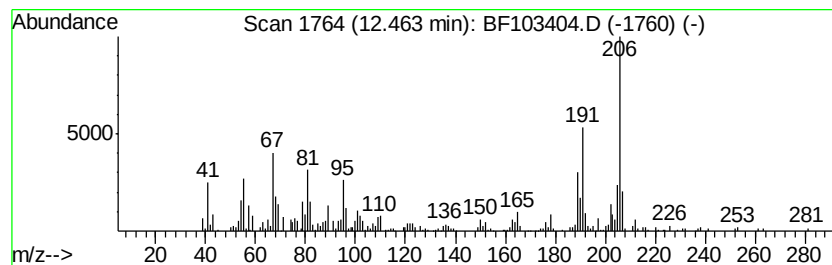
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10-Dimethylantracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.50 ng	240999	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
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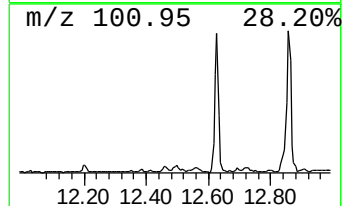
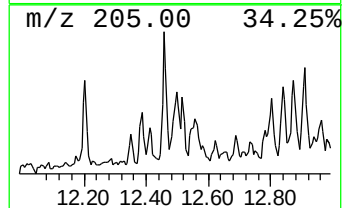
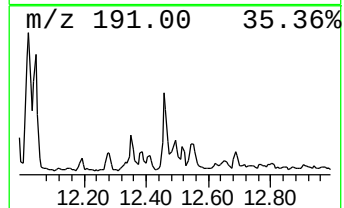
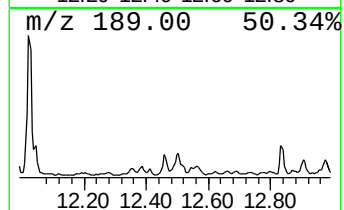
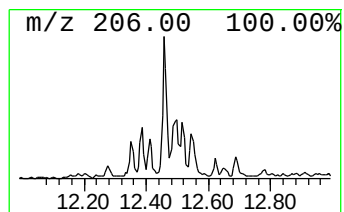
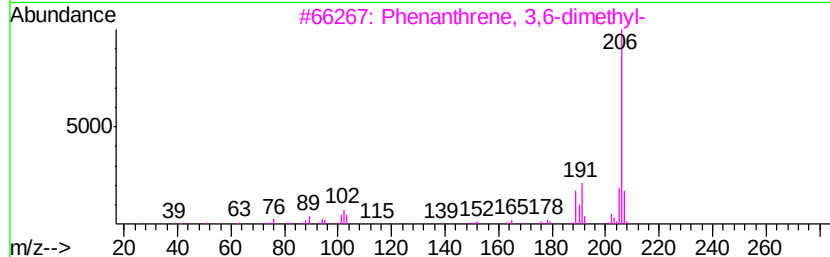
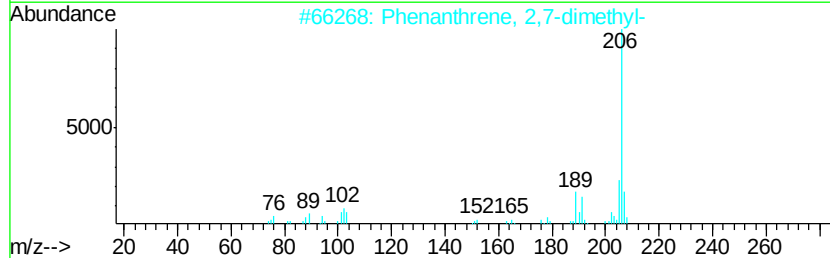
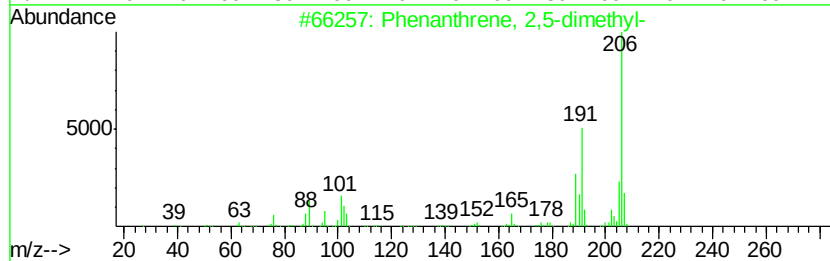
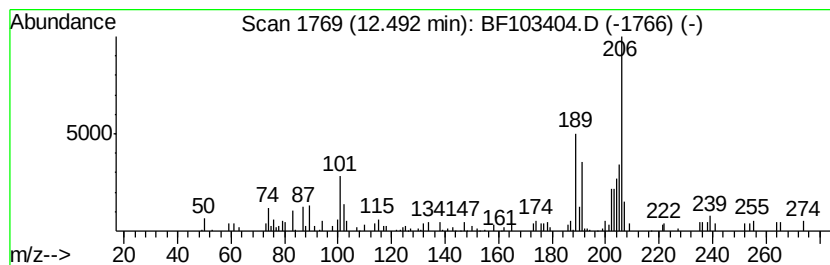
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.49	2.93 ng	128268	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	42
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38



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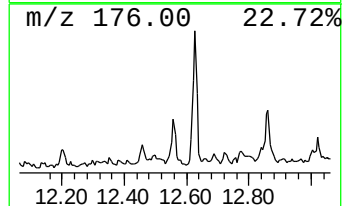
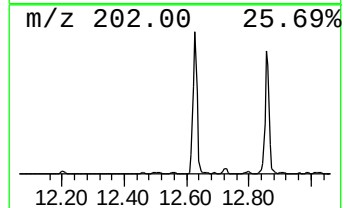
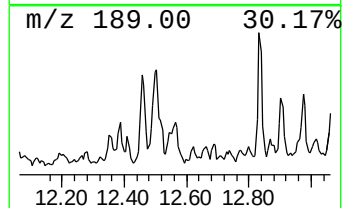
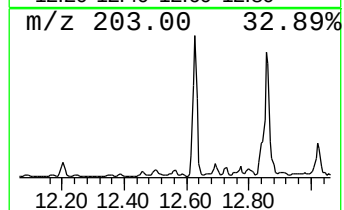
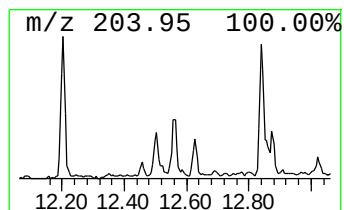
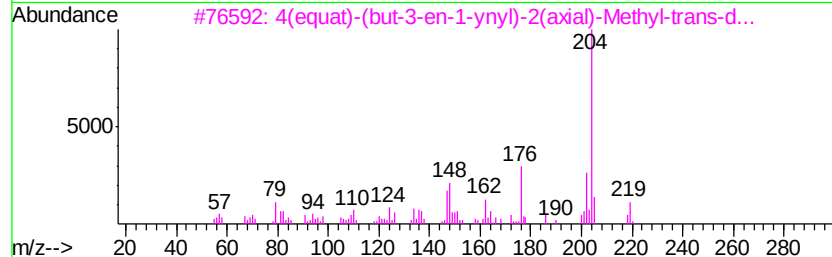
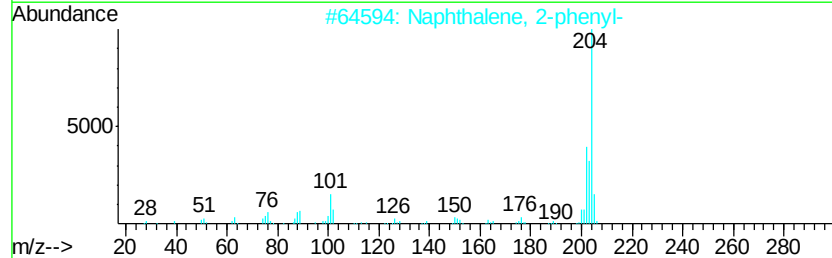
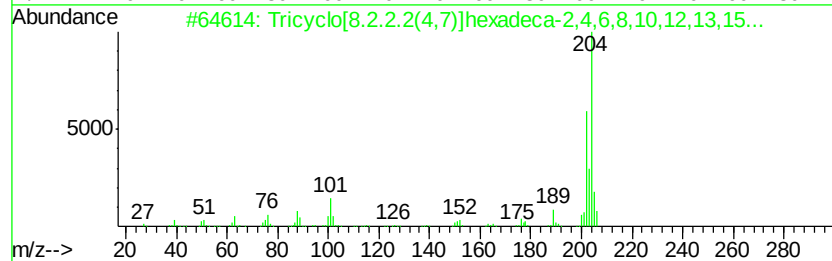
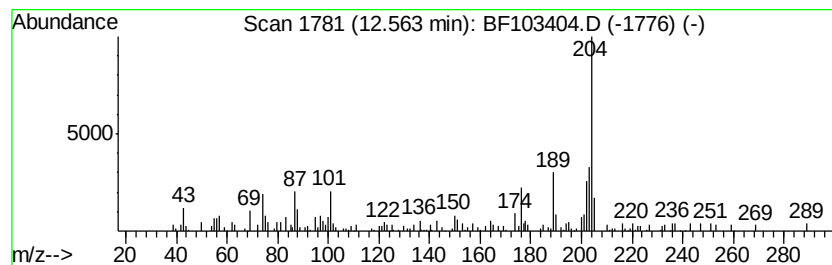
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.56 ng	112213	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
3		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	43
4		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	41
5		1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	40



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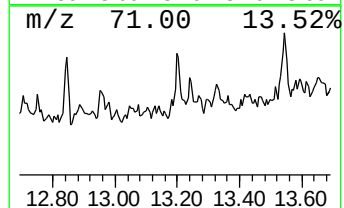
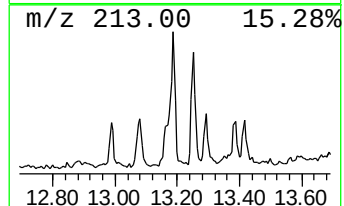
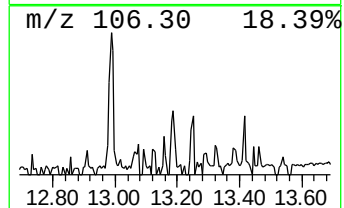
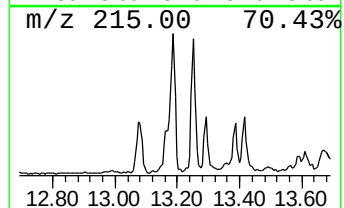
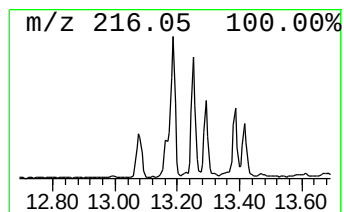
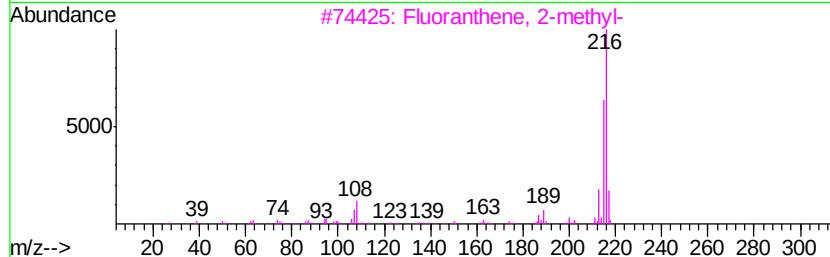
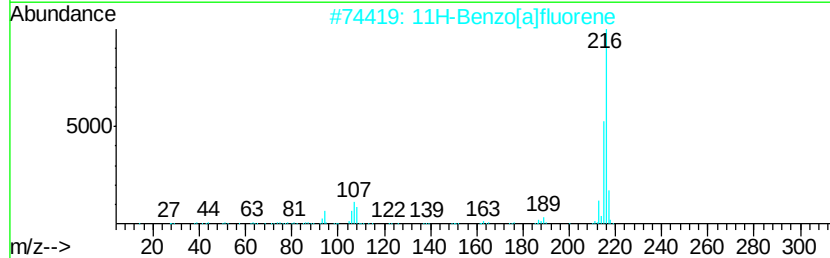
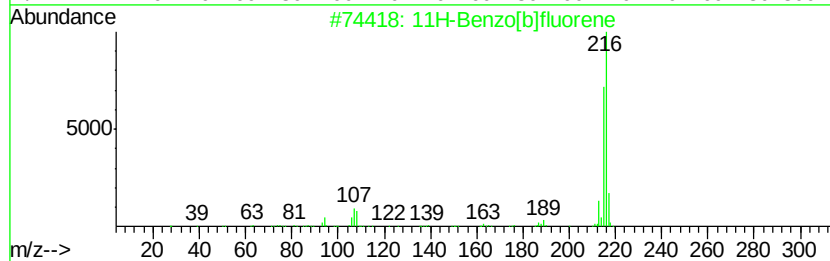
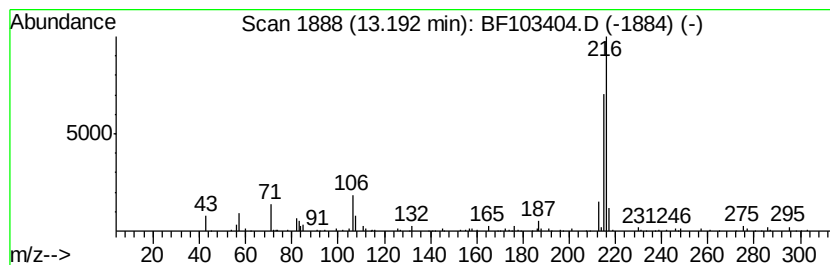
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.32 ng	192408	Chrysene-d12	14.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
4			4-Hydroxy-6-methyl-1-pyridin-3-yl...	216	C12H12N2O2	1000318-25-3	64
5			trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	53



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103404.D
Acq On : 5 Mar 2018 12:50
Operator : SJ/JU
Sample : J1756-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

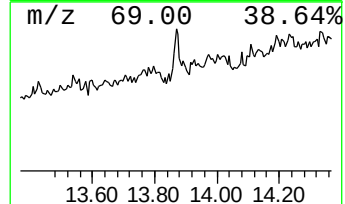
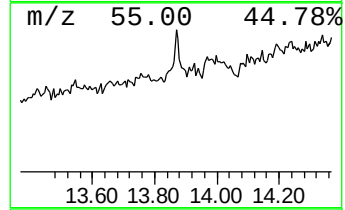
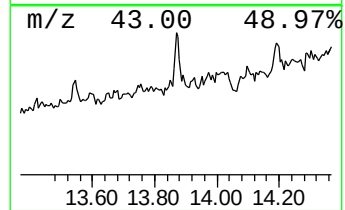
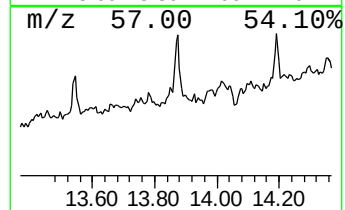
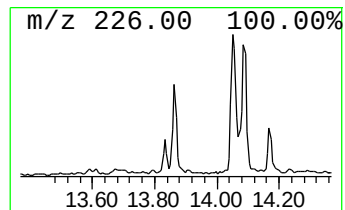
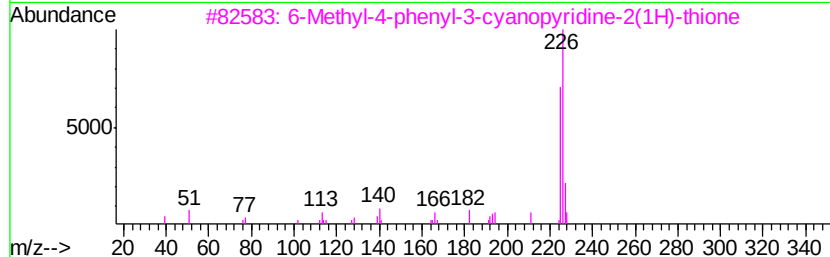
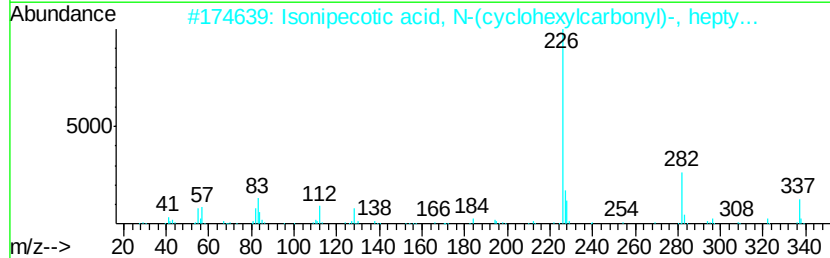
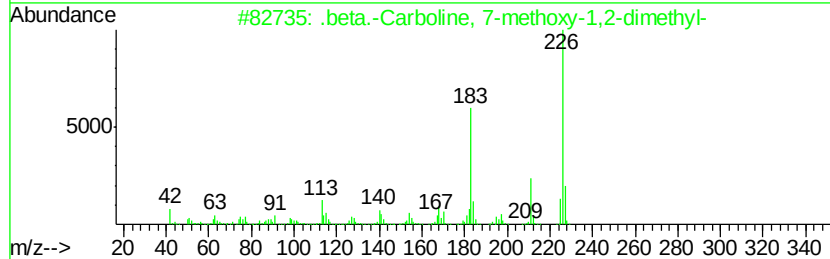
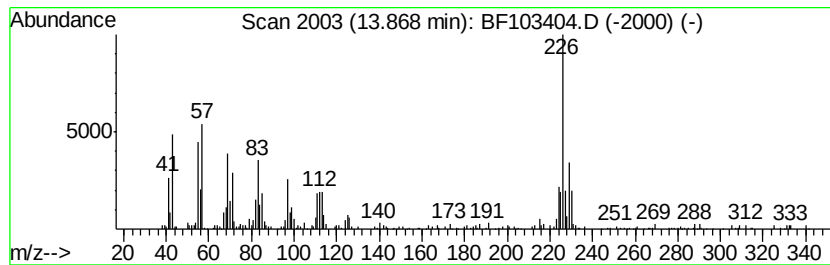
Instrument :
BNA_F
ClientSampleId :
OR-01-030118-B

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 unknown13.87 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.87	3.50 ng	202799	Chrysene-d12	14.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
2	Isonipecotic acid, N-(cyclohexyl...	337	C20H35N O3	1000361-03-0	38
3	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	37
4	2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	35
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF030518\
 Data File : BF103404.D
 Acq On : 5 Mar 2018 12:50
 Operator : SJ/JU
 Sample : J1756-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-030118-B

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	31.4	ng	1342530	1	6.87	856107	20.0
Naphthalene, 2-me...	8.97	2.1	ng	143809	2	8.16	1340690	20.0
Naphthalene, 2,6-...	9.57	2.0	ng	113696	3	9.91	1129210	20.0
Dimethyl phthalate	9.62	4.5	ng	251130	3	9.91	1129210	20.0
Heptacosane	10.32	2.9	ng	166121	3	9.91	1129210	20.0
Dodecane	10.55	2.8	ng	159723	3	9.91	1129210	20.0
Hexadecane	10.80	4.5	ng	195438	4	11.40	875780	20.0
9H-Fluorene, 1-me...	11.01	2.3	ng	100320	4	11.40	875780	20.0
Naphtho[1,2-b]thi...	11.30	2.1	ng	93435	4	11.40	875780	20.0
5H-Indeno[1,2-b]p...	11.65	3.3	ng	142129	4	11.40	875780	20.0
Anthracene, 2-met...	11.91	5.6	ng	246705	4	11.40	875780	20.0
Phenanthrene, 2-m...	11.94	4.2	ng	183368	4	11.40	875780	20.0
4H-Cyclopenta[def...	12.02	7.6	ng	331083	4	11.40	875780	20.0
9,10-Dimethylantr...	12.46	5.5	ng	240999	4	11.40	875780	20.0
Phenanthrene, 2,5...	12.49	2.9	ng	128268	4	11.40	875780	20.0
Tricyclo[8.2.2.2(...	12.56	2.6	ng	112213	4	11.40	875780	20.0
11H-Benzo[b]fluorene	13.19	3.3	ng	192408	5	14.06	1158610	20.0
unknown13.87	13.87	3.5	ng	202799	5	14.06	1158610	20.0