

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102446.D
 Acq On : 26 Jan 2018 1:32
 Operator : SJ/JU
 Sample : J1289-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0

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-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	548	552	567	rBV	3017710	3122211	51.91%	3.371%
2	6.369	723	728	736	rBV	2712880	3089786	51.37%	3.336%
3	6.493	744	749	752	rBV	3387301	3074623	51.11%	3.320%
4	6.716	783	787	793	rVB	998153	855251	14.22%	0.923%
5	6.875	809	814	817	rBV	2369535	2303503	38.30%	2.487%
6	7.287	880	884	887	rBV	1963766	1852473	30.80%	2.000%
7	7.998	999	1005	1007	rBV	1241170	1147083	19.07%	1.238%
8	8.022	1007	1009	1011	rVV	581384	465838	7.74%	0.503%
9	8.710	1124	1126	1129	rBV	422516	335177	5.57%	0.362%
10	8.810	1140	1143	1146	rVB	333505	274496	4.56%	0.296%
11	9.016	1176	1178	1181	rBV	239980	187097	3.11%	0.202%
12	9.075	1183	1188	1191	rBV	2896977	2607288	43.35%	2.815%
13	9.151	1198	1201	1203	rBV2	175105	185748	3.09%	0.201%
14	9.269	1218	1221	1227	rVB	188521	207211	3.44%	0.224%
15	9.339	1229	1233	1237	rBV	456744	614092	10.21%	0.663%
16	9.410	1242	1245	1248	rVV	742463	764324	12.71%	0.825%
17	9.439	1248	1250	1252	rVV	347133	326921	5.43%	0.353%
18	9.469	1253	1255	1258	rVV	498914	447839	7.45%	0.484%
19	9.528	1262	1265	1271	rVB	404367	421212	7.00%	0.455%
20	9.610	1277	1279	1284	rVB	333053	306106	5.09%	0.330%
21	9.751	1295	1303	1306	rBV3	1066673	1413327	23.50%	1.526%
22	9.786	1306	1309	1312	rVV	1873211	1598806	26.58%	1.726%
23	9.857	1318	1321	1325	rBV	350399	433250	7.20%	0.468%
24	9.910	1325	1330	1332	rBV2	321071	382846	6.36%	0.413%
25	9.957	1334	1338	1342	rVV2	1312009	1250116	20.78%	1.350%
26	9.998	1342	1345	1349	rVB2	433767	445594	7.41%	0.481%
27	10.069	1354	1357	1360	rBV	422478	451198	7.50%	0.487%
28	10.098	1360	1362	1364	rVV	377565	278660	4.63%	0.301%
29	10.157	1368	1372	1374	rBV	362421	464308	7.72%	0.501%
30	10.181	1374	1376	1378	rVB2	399733	305140	5.07%	0.329%
31	10.257	1386	1389	1392	rVV3	219805	262091	4.36%	0.283%
32	10.304	1393	1397	1402	rVV	2614624	2569655	42.72%	2.774%
33	10.351	1402	1405	1406	rVV	330270	307664	5.11%	0.332%
34	10.369	1406	1408	1409	rVV	466156	410292	6.82%	0.443%

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Min Area: 3 % of largest Peak

Max Peaks: 100

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.386	1409	1411	1413	rVV	738624	699233	11.62%	0.755%
36	10.410	1413	1415	1417	rVV	334825	351459	5.84%	0.379%
37	10.433	1417	1419	1421	rVV	329106	350199	5.82%	0.378%
38	10.457	1421	1423	1427	rVB	884231	751508	12.49%	0.811%
39	10.545	1434	1438	1441	rVV2	1706805	1773251	29.48%	1.915%
40	10.586	1441	1445	1448	rVB3	236486	347479	5.78%	0.375%
41	10.663	1453	1458	1462	rVB3	538268	763866	12.70%	0.825%
42	10.851	1483	1490	1492	rBV2	678298	946192	15.73%	1.022%
43	10.880	1492	1495	1498	rVV3	485260	605113	10.06%	0.653%
44	10.933	1502	1504	1506	rVB	383432	284069	4.72%	0.307%
45	10.963	1506	1509	1510	rBV	210791	208628	3.47%	0.225%
46	10.980	1510	1512	1513	rVV2	291757	293961	4.89%	0.317%
47	10.998	1513	1515	1521	rVV2	448940	542653	9.02%	0.586%
48	11.045	1521	1523	1527	rVV3	211797	243667	4.05%	0.263%
49	11.098	1527	1532	1535	rVV4	421903	682141	11.34%	0.736%
50	11.139	1535	1539	1544	rVB	882060	988728	16.44%	1.067%
51	11.245	1553	1557	1558	rBV	695981	727126	12.09%	0.785%
52	11.280	1558	1563	1565	rVV	4932785	6015151	100.00%	6.494%
53	11.322	1565	1570	1572	rVV	2010422	1639738	27.26%	1.770%
54	11.351	1572	1575	1578	rVB	339265	354504	5.89%	0.383%
55	11.475	1594	1596	1604	rVB	381411	377197	6.27%	0.407%
56	11.575	1610	1613	1618	rVB2	268803	294945	4.90%	0.318%
57	11.651	1624	1626	1630	rBV	177677	209840	3.49%	0.227%
58	11.745	1639	1642	1644	rBV	1194932	1044316	17.36%	1.128%
59	11.775	1644	1647	1650	rVB	1475857	1219551	20.27%	1.317%
60	11.822	1652	1655	1658	rVV	537158	507055	8.43%	0.547%
61	11.857	1658	1661	1664	rVV2	1711225	2023725	33.64%	2.185%
62	11.880	1664	1665	1669	rVB	887172	559592	9.30%	0.604%
63	11.980	1680	1682	1685	rBV2	281026	238315	3.96%	0.257%
64	12.039	1690	1692	1695	rBV	572279	532049	8.85%	0.574%
65	12.304	1734	1737	1739	rBV	617328	627738	10.44%	0.678%
66	12.339	1739	1743	1745	rVV3	334059	483724	8.04%	0.522%
67	12.392	1749	1752	1756	rVB2	308646	439992	7.31%	0.475%
68	12.480	1761	1767	1769	rBV	3989592	5220253	86.79%	5.636%
69	12.498	1769	1770	1773	rVV2	779924	470112	7.82%	0.508%
70	12.527	1773	1775	1778	rVB	251388	200425	3.33%	0.216%
71	12.616	1787	1790	1793	rVB2	213439	220598	3.67%	0.238%

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72	12.704	1797	1805	1808	rBV2	3711263	5616841	93.38%	6.064%
73	12.739	1808	1811	1815	rVB2	435131	503843	8.38%	0.544%
74	12.804	1819	1822	1823	rBV2	322464	297174	4.94%	0.321%
75	12.827	1823	1826	1829	rBV	1580667	1303092	21.66%	1.407%
76	12.910	1835	1840	1843	rBV3	421782	658095	10.94%	0.711%
77	12.992	1851	1854	1855	rVV3	397895	429592	7.14%	0.464%
78	13.016	1856	1858	1861	rVB	944634	809440	13.46%	0.874%
79	13.080	1866	1869	1872	rBV	724855	627444	10.43%	0.677%
80	13.122	1872	1876	1878	rBV2	531142	566860	9.42%	0.612%
81	13.210	1888	1891	1894	rBV	464367	440220	7.32%	0.475%
82	13.239	1894	1896	1900	rVV2	502719	462493	7.69%	0.499%
83	13.304	1903	1907	1909	rBV	702151	625916	10.41%	0.676%
84	13.527	1942	1945	1948	rVB	288821	298261	4.96%	0.322%
85	13.633	1961	1963	1965	rBV	261004	216066	3.59%	0.233%
86	13.663	1965	1968	1970	rVB	347927	304615	5.06%	0.329%
87	13.686	1970	1972	1973	rBV	245958	202748	3.37%	0.219%
88	13.727	1976	1979	1984	rVB3	490996	702999	11.69%	0.759%
89	13.863	1998	2002	2003	rBV	1191880	1350252	22.45%	1.458%
90	13.880	2003	2005	2009	rVV2	1992013	2844824	47.29%	3.071%
91	13.916	2009	2011	2018	rVB	1803684	1778951	29.57%	1.921%
92	13.992	2022	2024	2026	rVB	303978	228010	3.79%	0.246%
93	14.274	2069	2072	2075	rVV	508566	523920	8.71%	0.566%
94	14.304	2075	2077	2080	rVB	244761	219585	3.65%	0.237%
95	14.916	2176	2181	2184	rBV	1030596	1718099	28.56%	1.855%
96	15.010	2195	2197	2201	rVB	222933	249428	4.15%	0.269%
97	15.204	2226	2230	2235	rVB	676804	905260	15.05%	0.977%
98	15.263	2236	2240	2245	rVB	976053	1282774	21.33%	1.385%
99	15.321	2247	2250	2253	rBV2	356209	384746	6.40%	0.415%
100	16.727	2484	2489	2498	rVB2	355256	670258	11.14%	0.724%

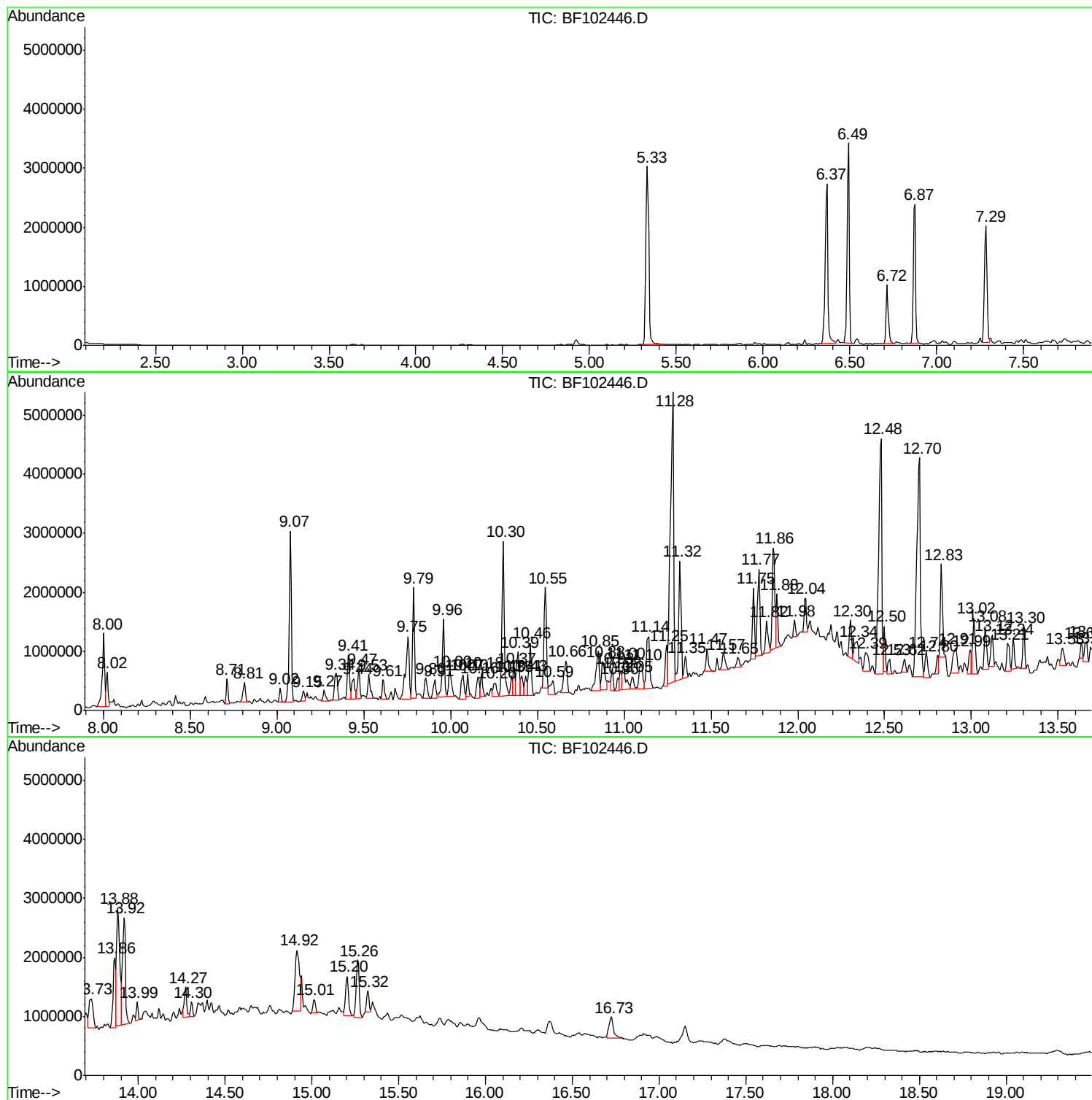
Sum of corrected areas: 92621125

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.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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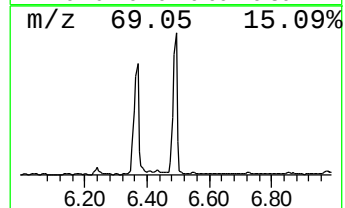
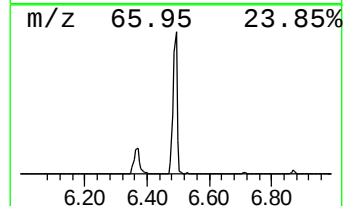
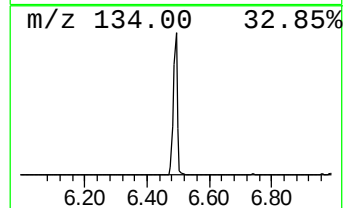
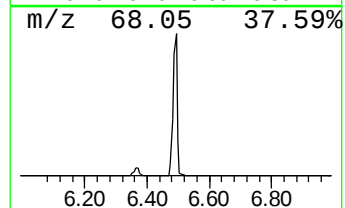
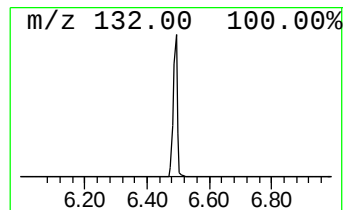
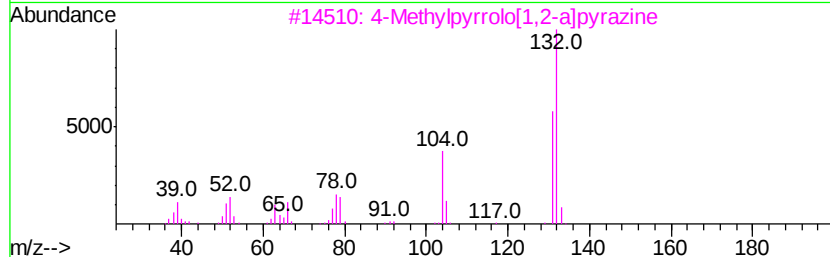
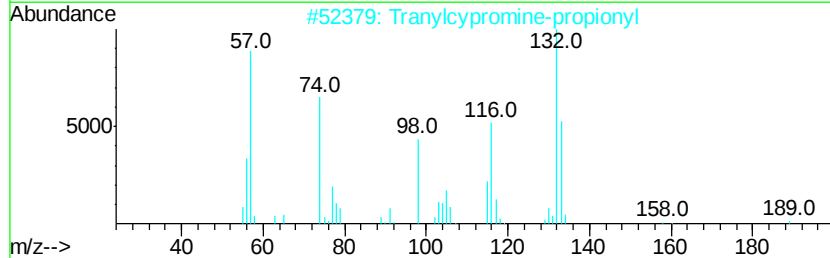
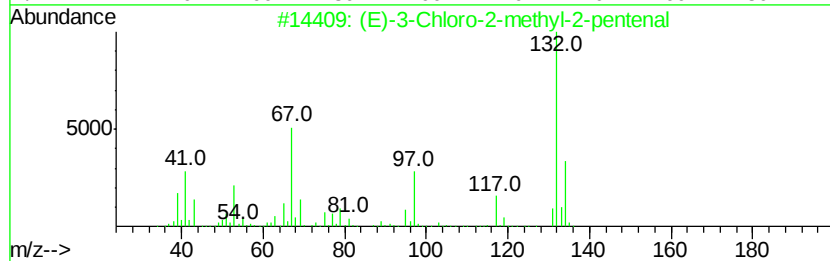
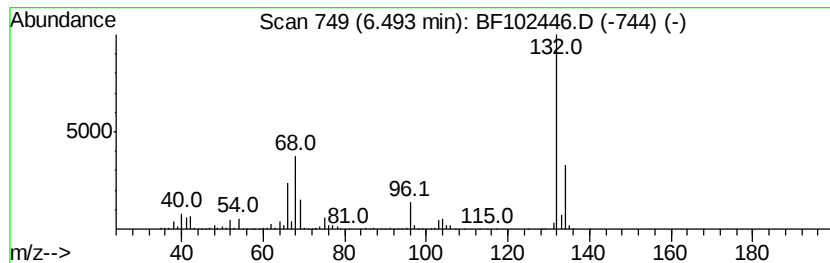
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	71.90 ng	3074620	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		5-Aminoindole	132	C8H8N2	005192-03-0	9



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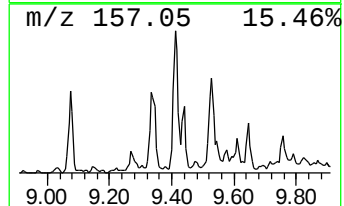
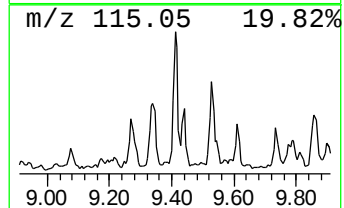
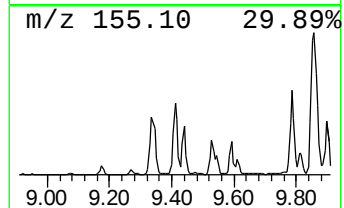
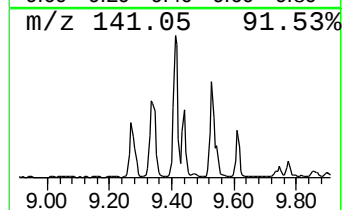
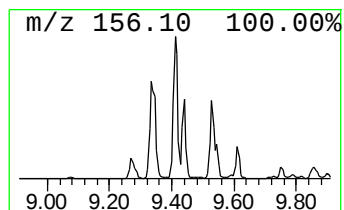
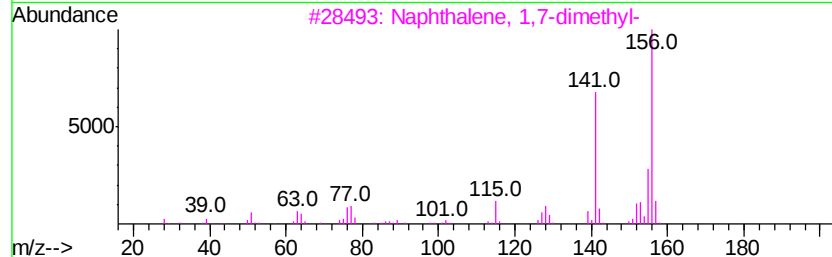
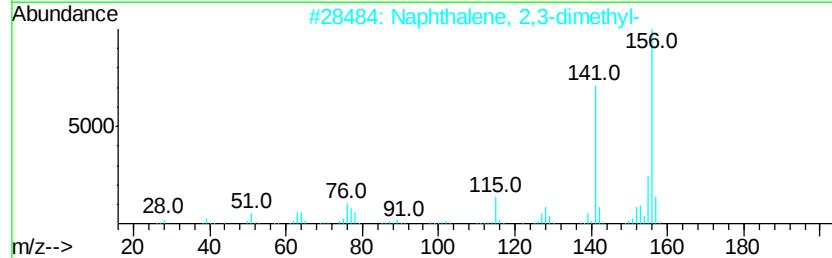
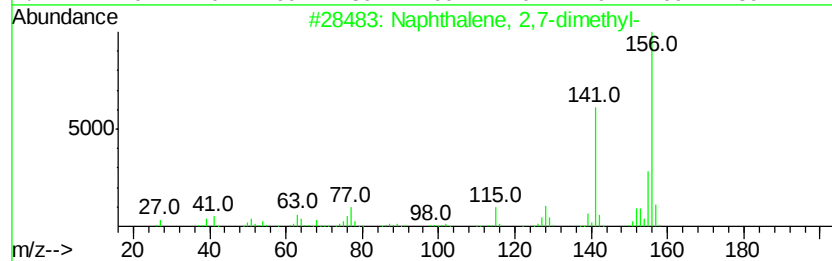
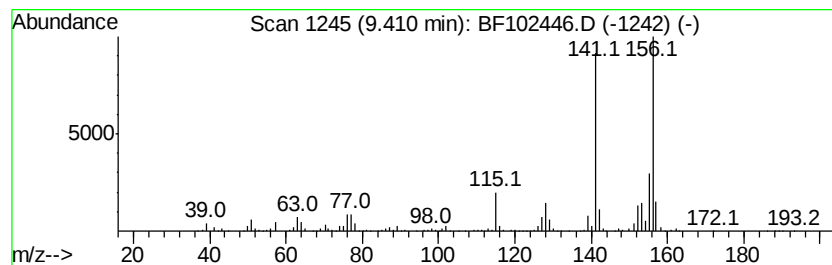
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	10.82 ng	764324	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



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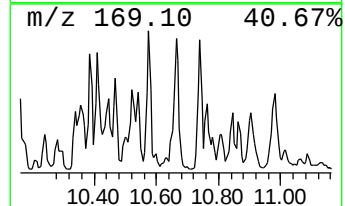
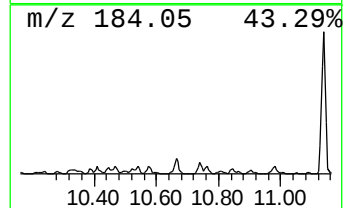
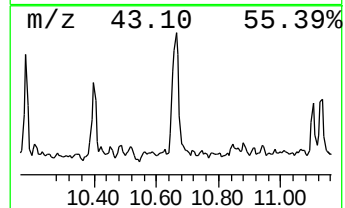
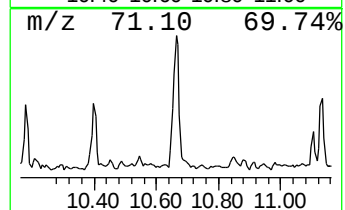
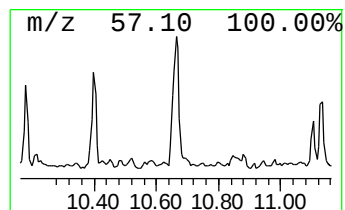
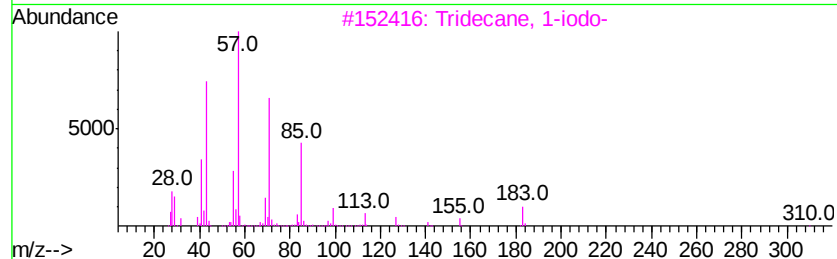
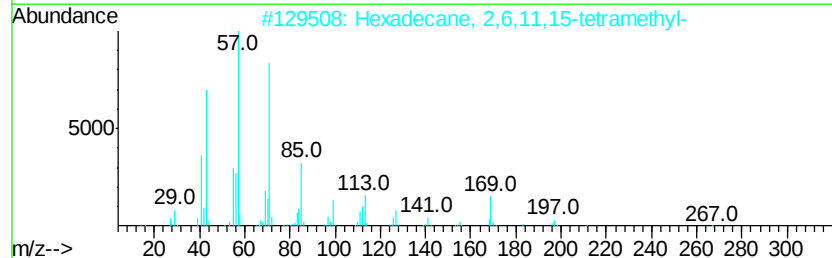
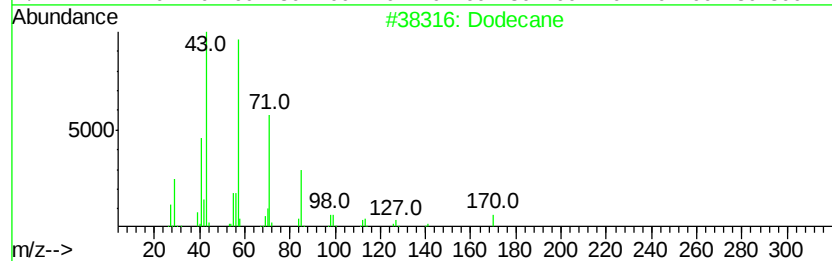
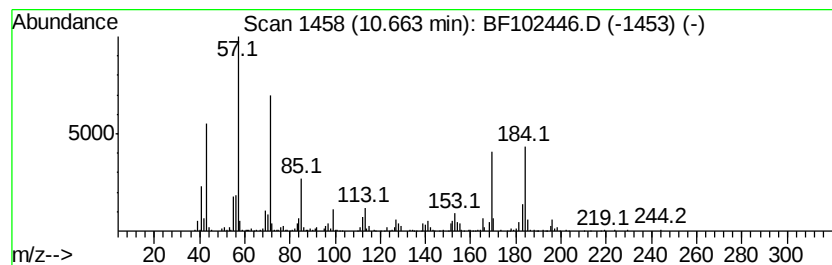
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown10.66 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	21.01 ng	763866	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	42
2		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	41
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
4		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	38
5		Decane, 2-methyl-	156	C11H24	006975-98-0	38



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Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
Sample : J1289-15
Misc :
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ClientSampleId :
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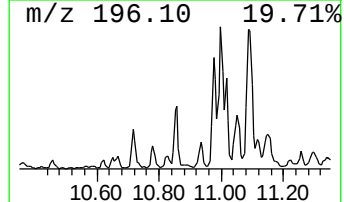
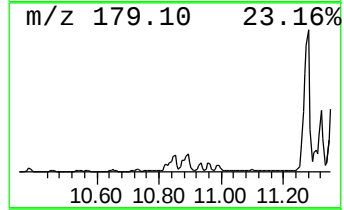
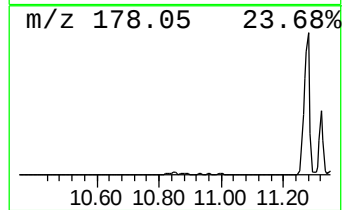
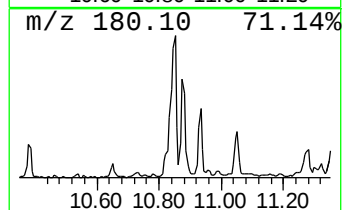
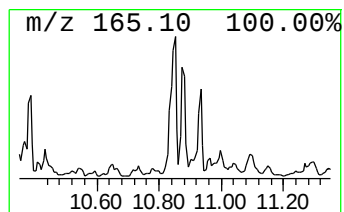
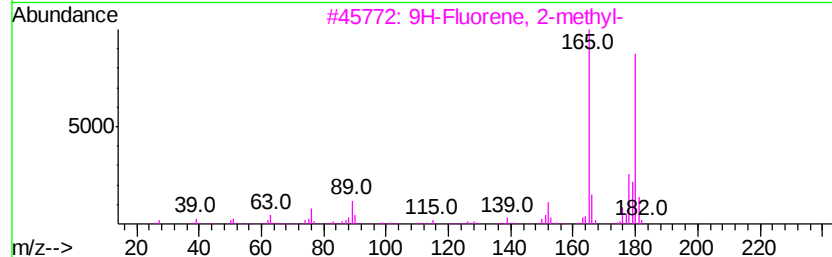
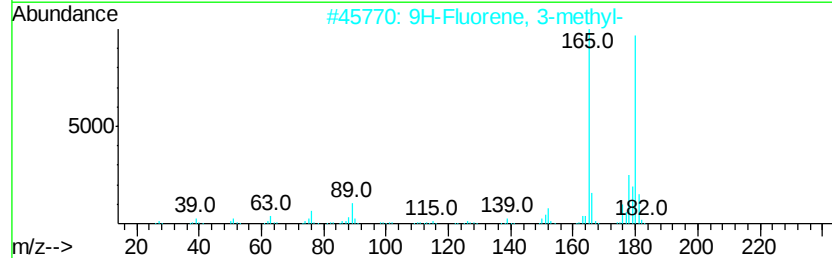
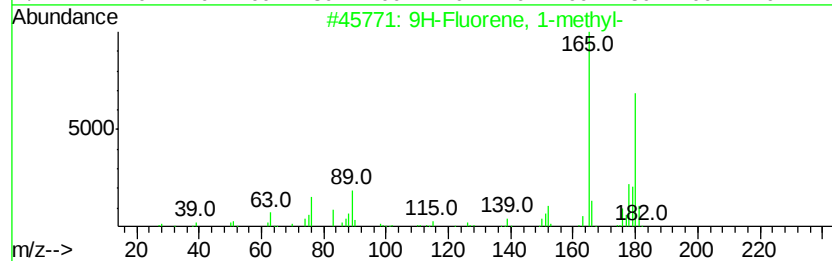
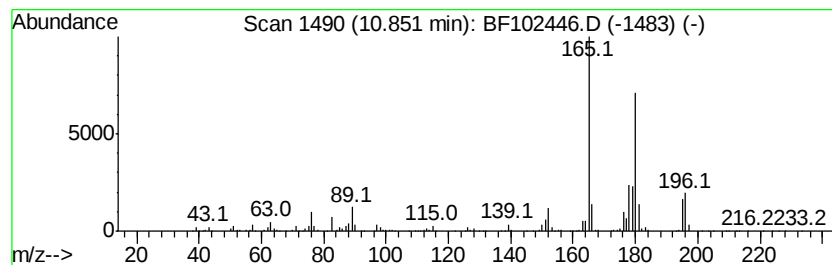
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	26.03 ng	946192	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
5		Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	49



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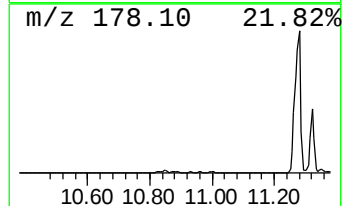
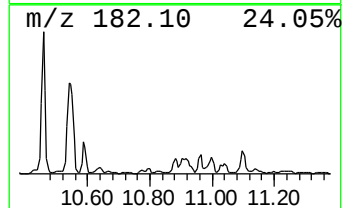
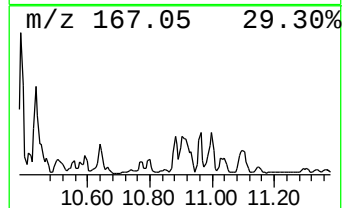
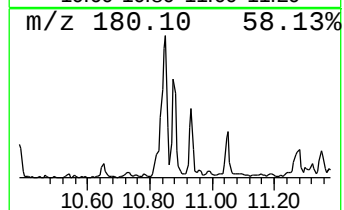
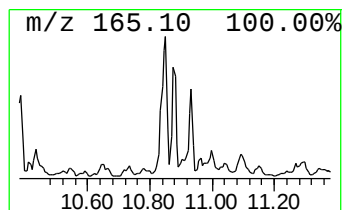
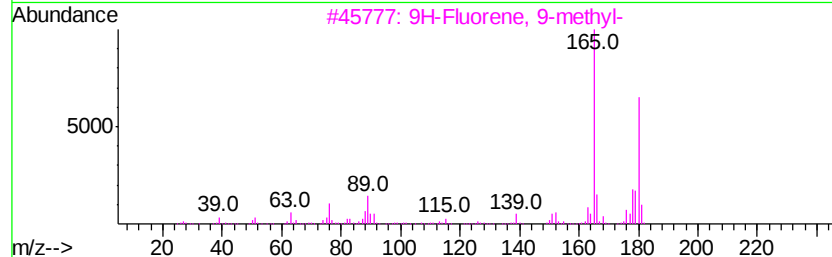
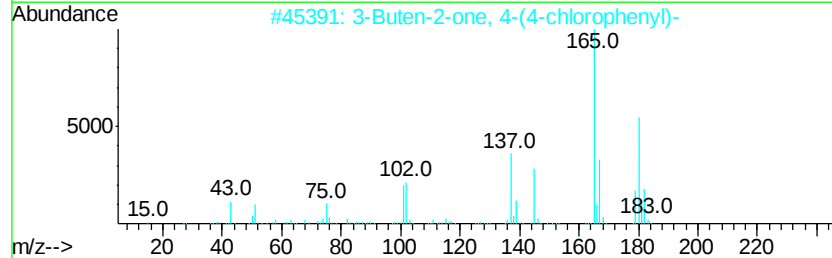
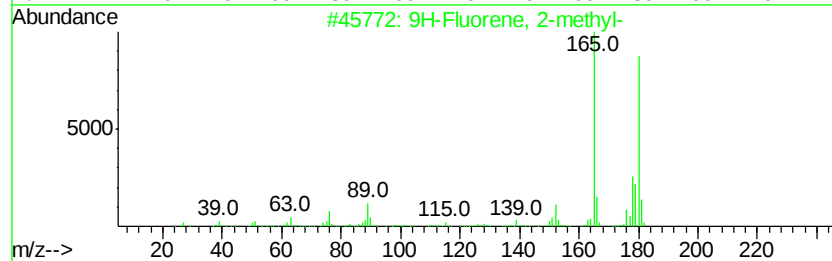
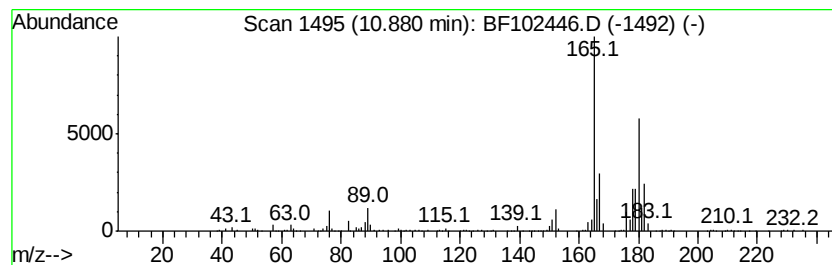
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	16.64 ng	605113	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
2		3-Buten-2-one, 4-(4-chlorophenyl)-	180	C10H9ClO	003160-40-5	72
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	52



Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102446.D
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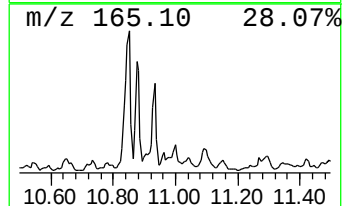
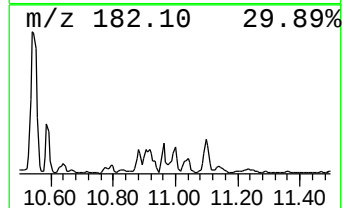
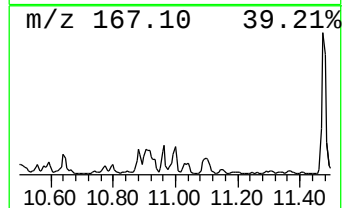
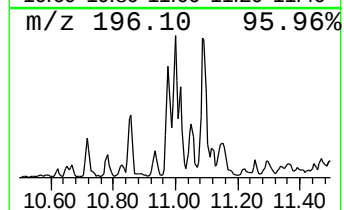
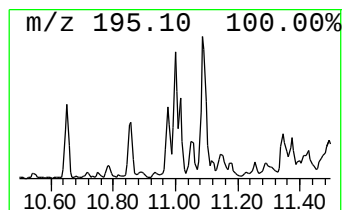
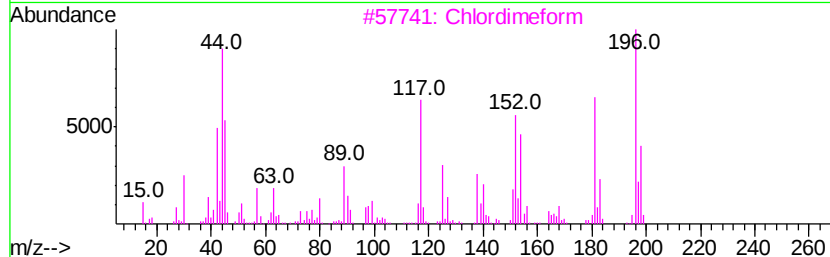
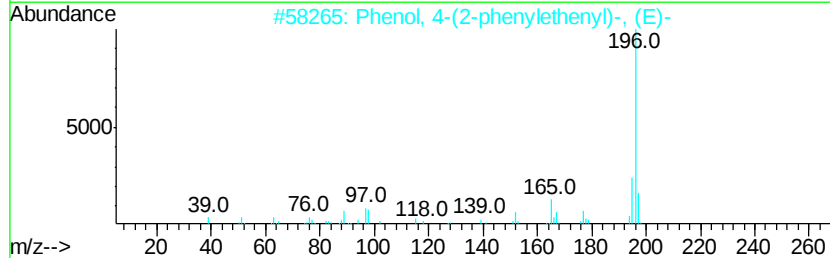
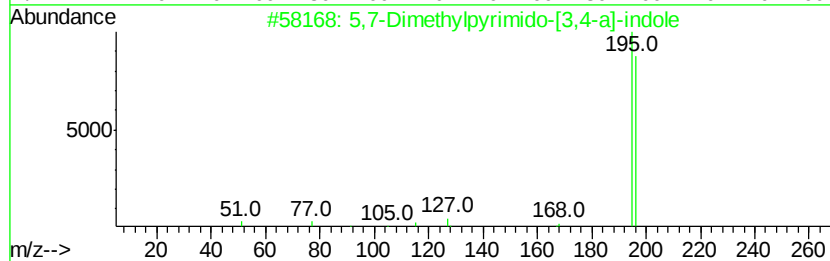
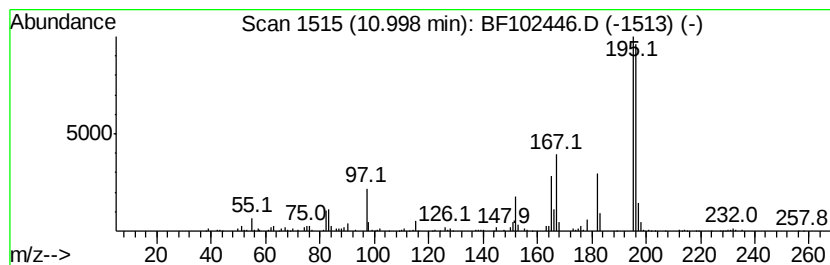
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.00 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	14.93 ng	542653	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	43
2		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
3		Chlordimeform	196	C10H13ClN2	006164-98-3	38
4		Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	35
5		4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	35



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
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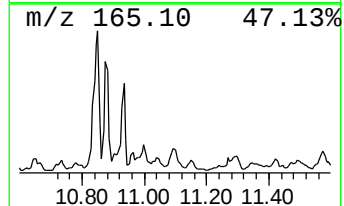
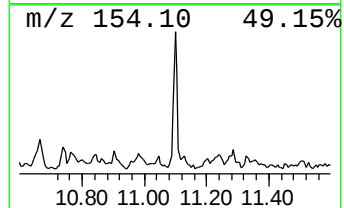
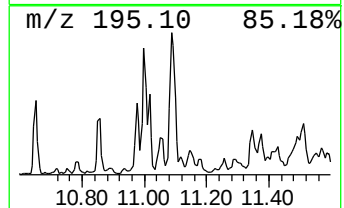
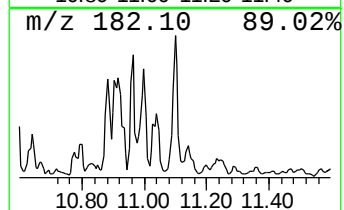
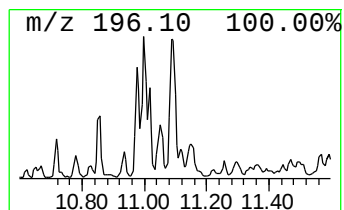
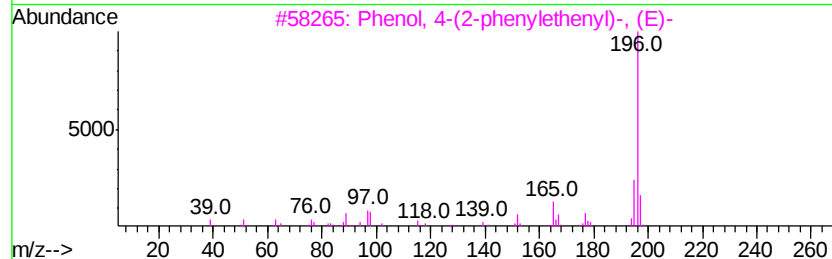
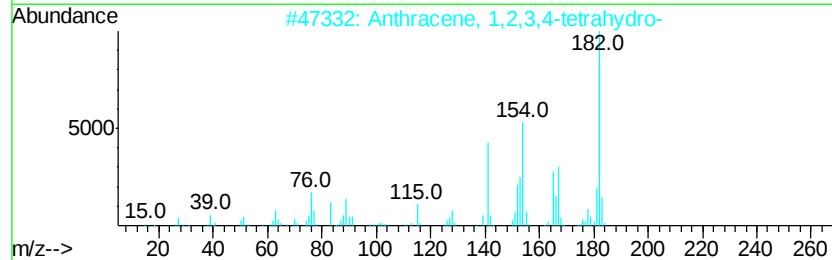
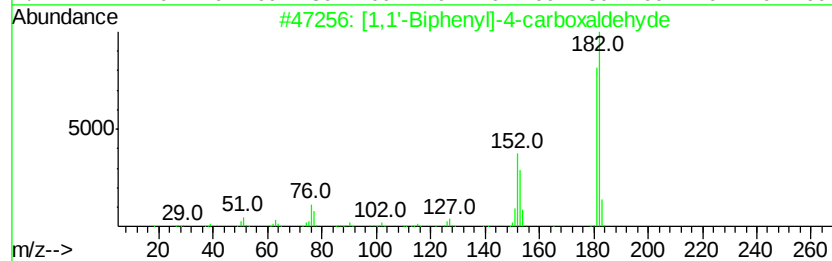
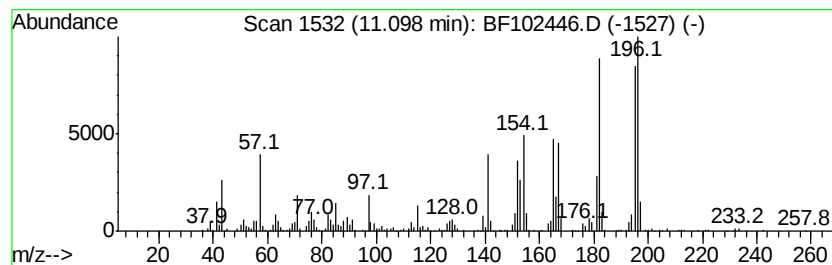
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown11.10 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	18.76 ng	682141	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	45
2		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	43
3		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	42
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38
5		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	38



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Data File : BF102446.D
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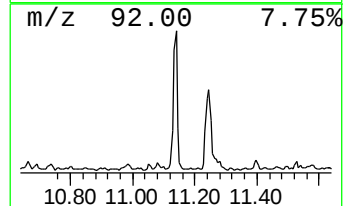
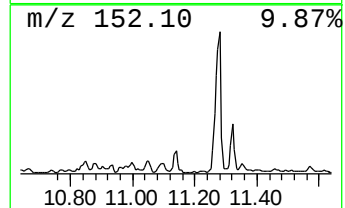
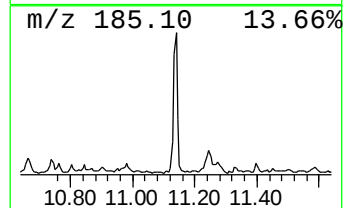
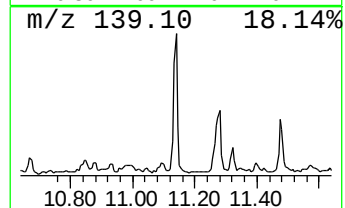
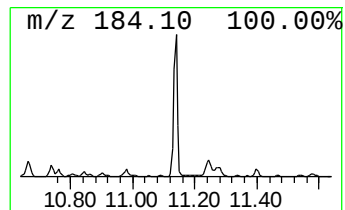
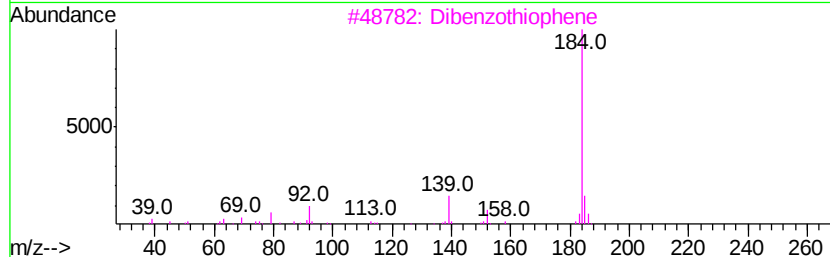
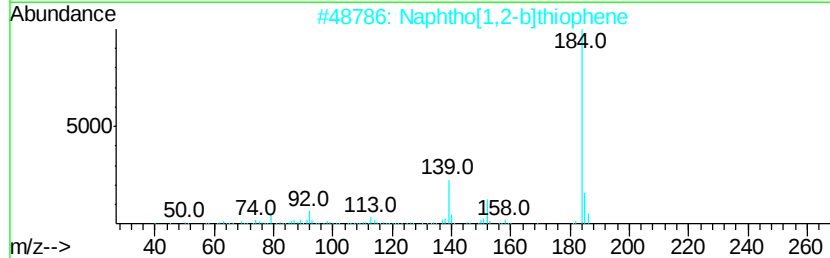
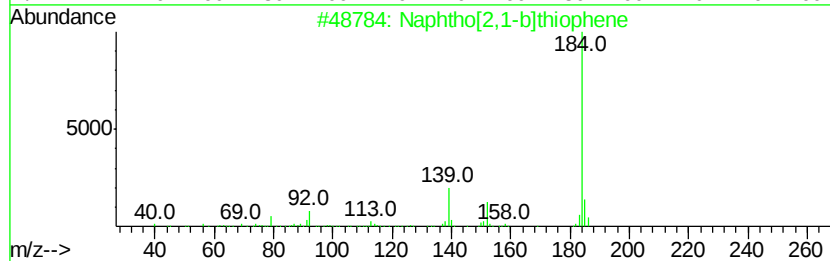
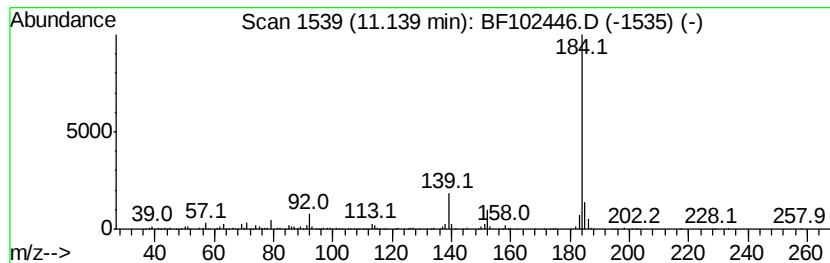
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	27.20 ng	988728	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		5-(Hydroxymethyl)-4,6-dimethyl-2...	184	C8H12N2OS	1000326-73-9	53



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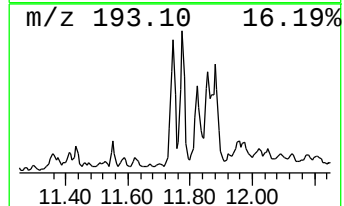
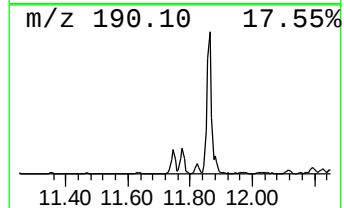
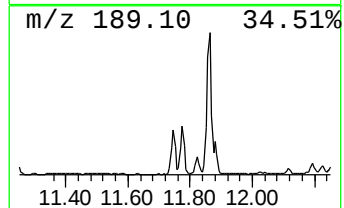
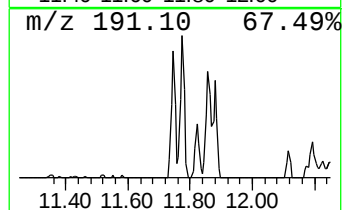
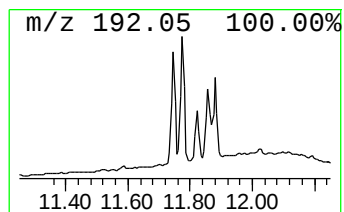
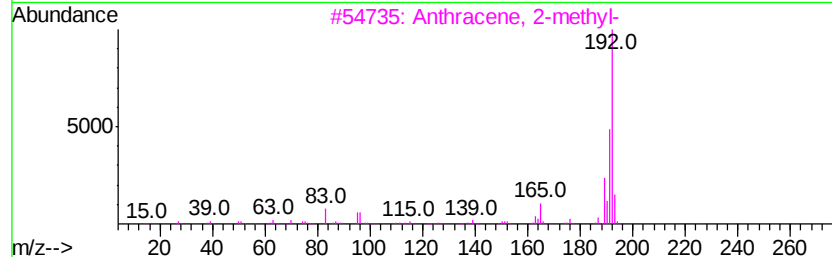
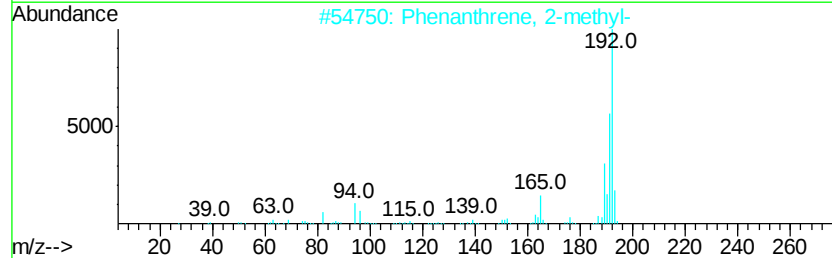
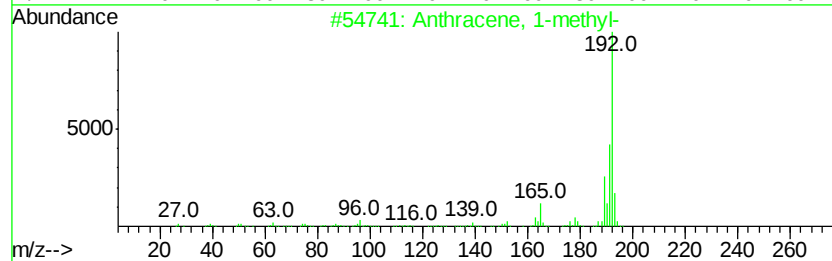
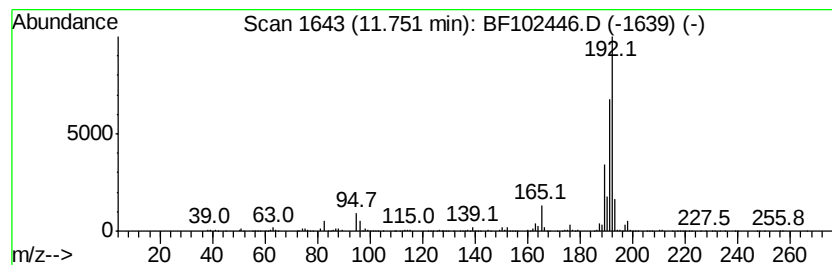
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	28.72 ng	1044320	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



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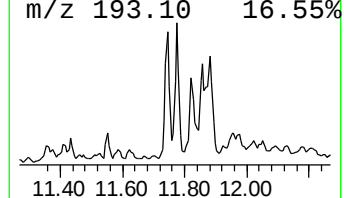
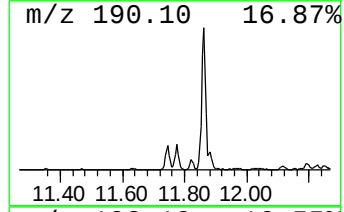
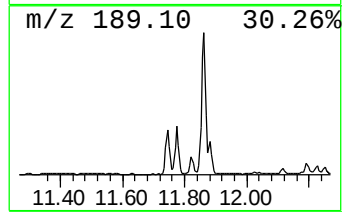
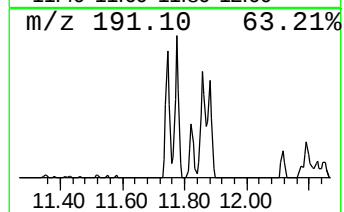
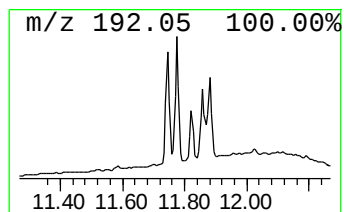
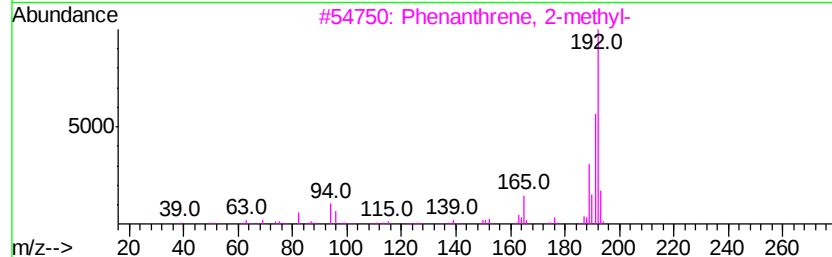
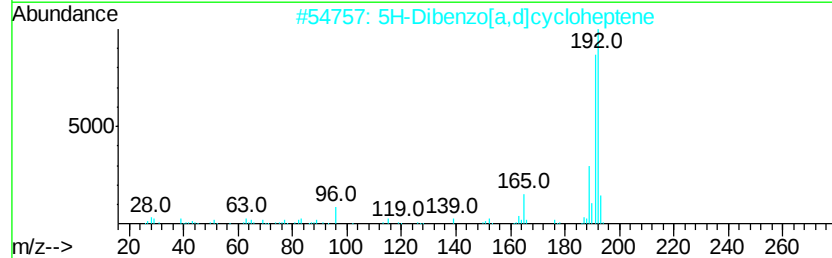
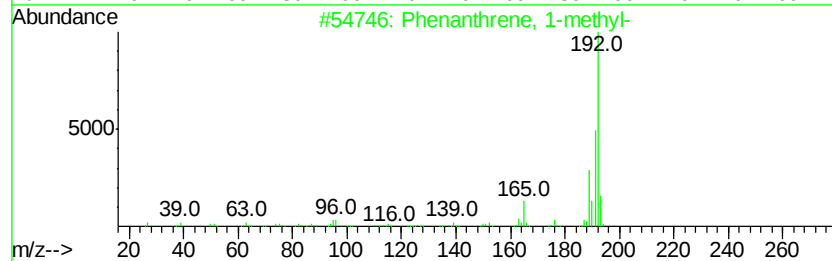
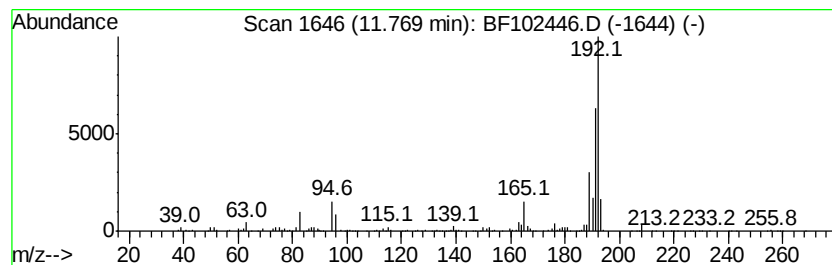
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	33.54 ng	1219550	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
Sample : J1289-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

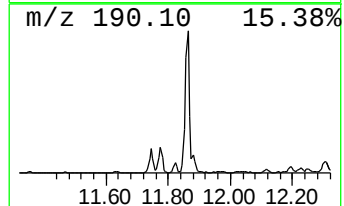
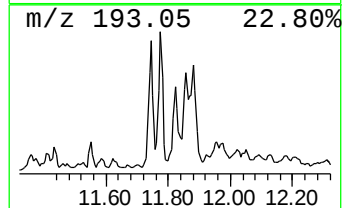
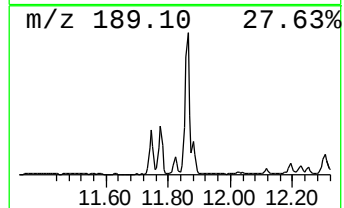
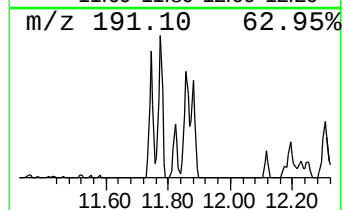
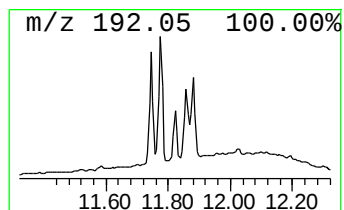
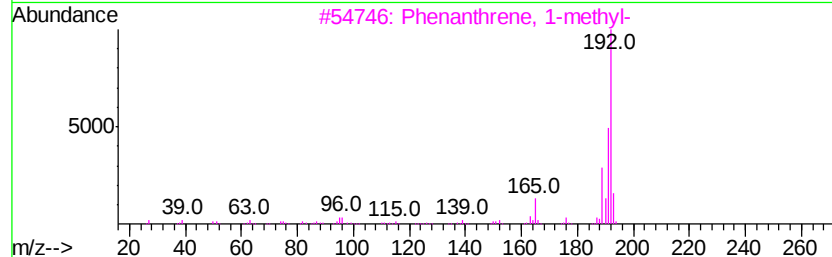
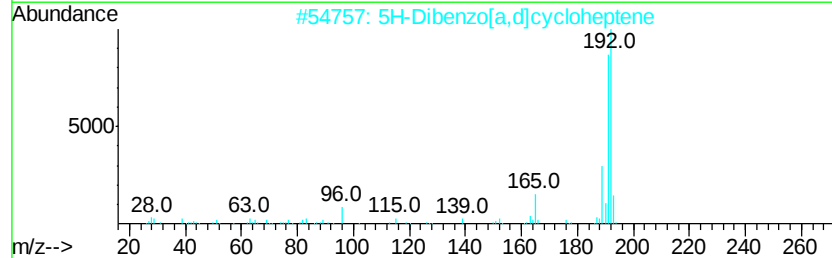
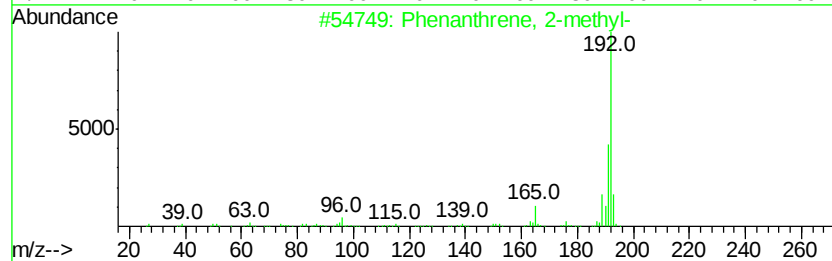
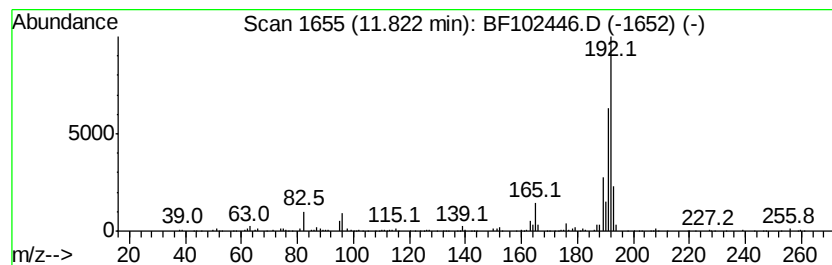
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ClientSampleId :
SB-52-13.5-14.0

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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 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	13.95 ng	507055	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
Sample : J1289-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-52-13.5-14.0

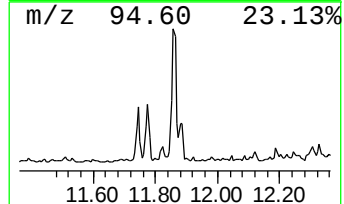
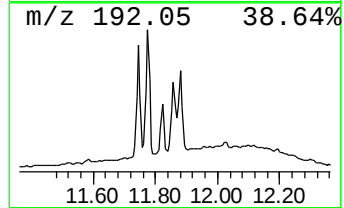
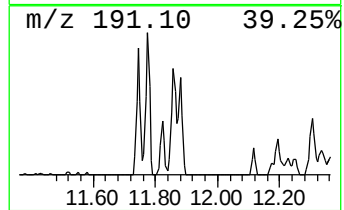
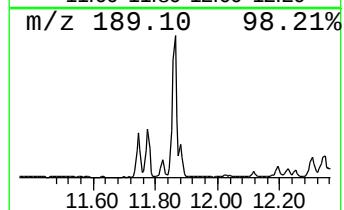
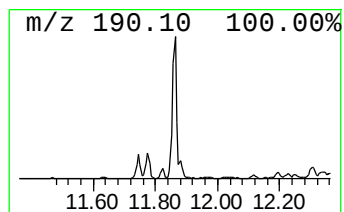
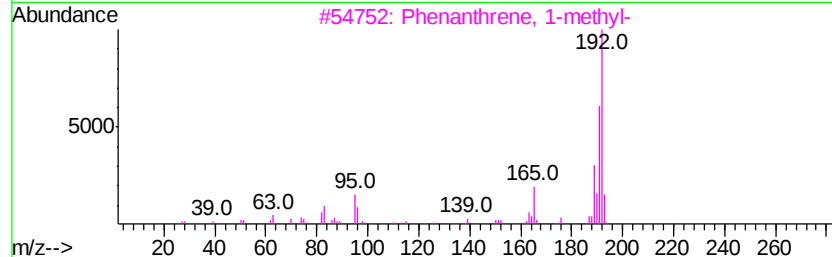
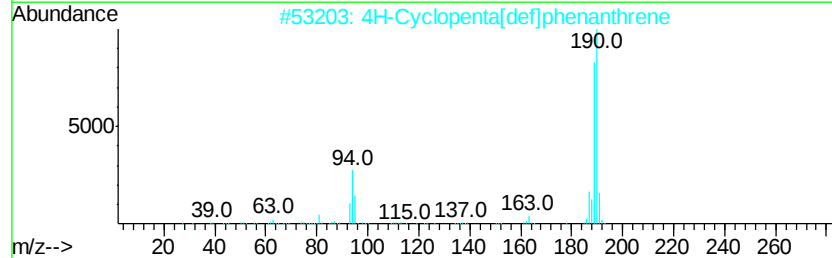
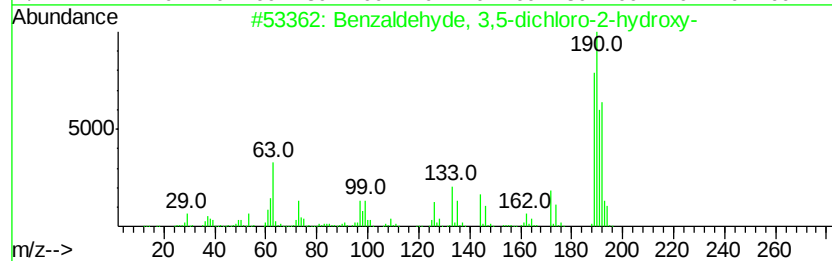
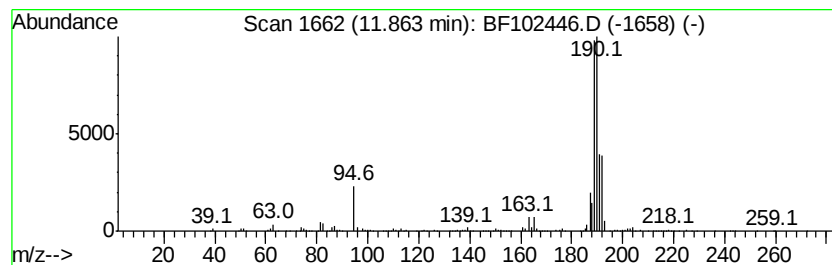
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	55.66 ng	2023730	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	64
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	30
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	30



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
Sample : J1289-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

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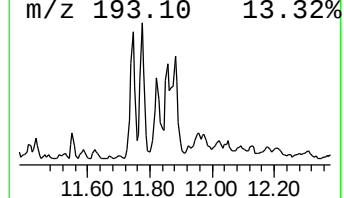
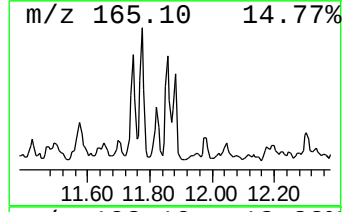
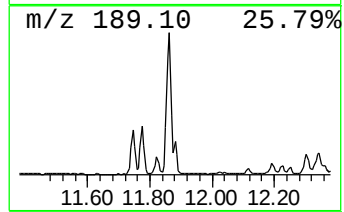
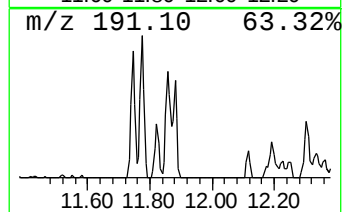
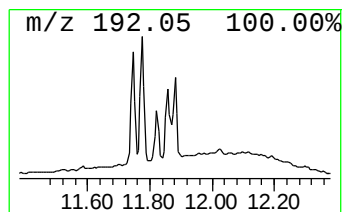
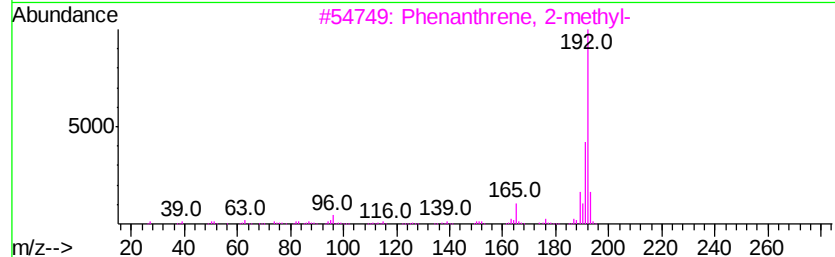
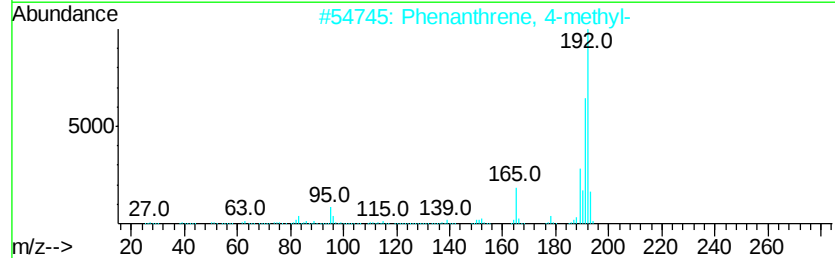
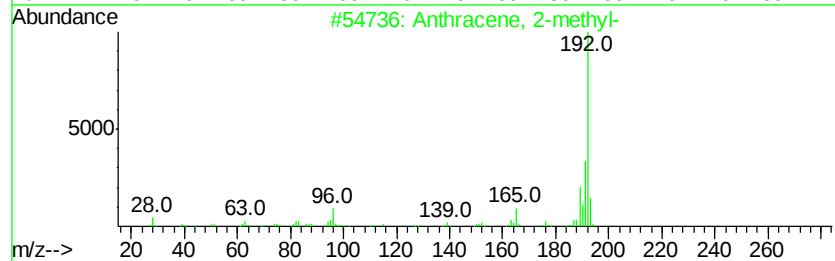
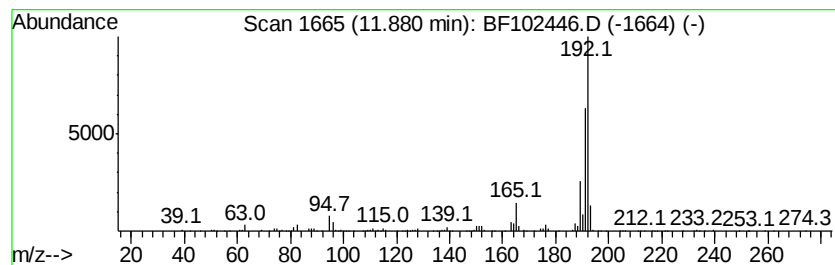
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	15.39 ng	559592	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
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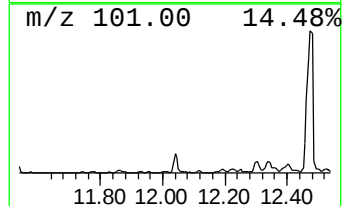
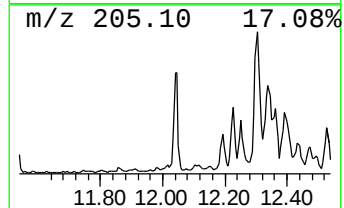
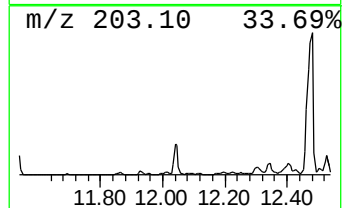
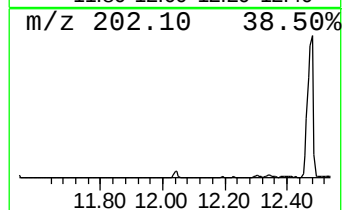
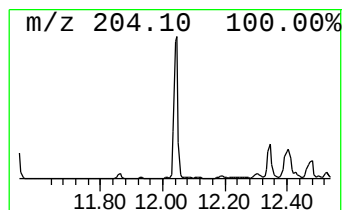
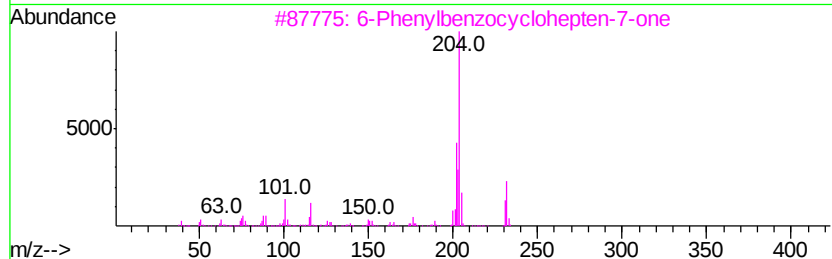
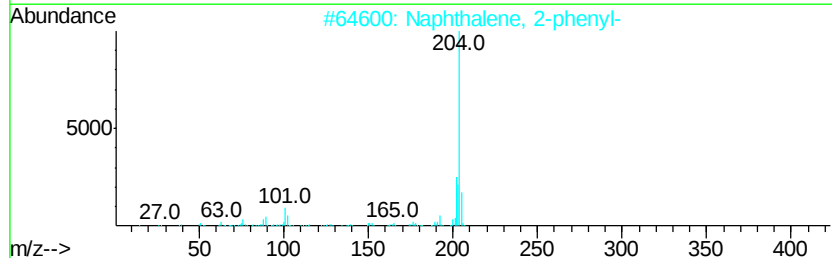
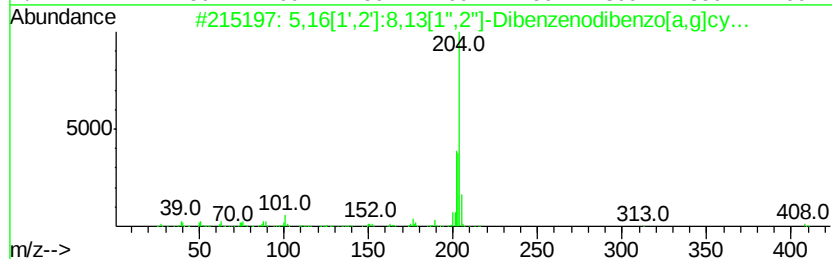
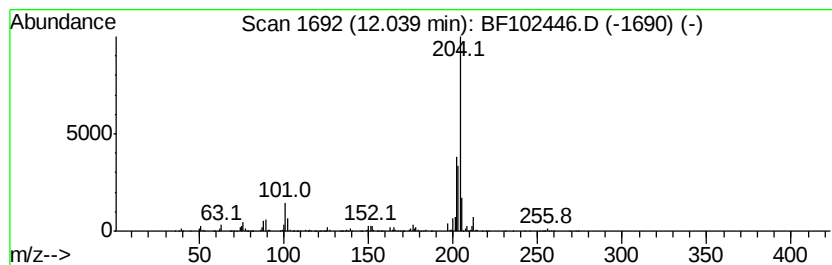
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	14.63 ng	532049	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70



Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
Sample : J1289-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

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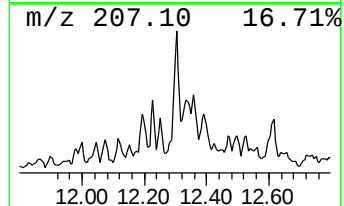
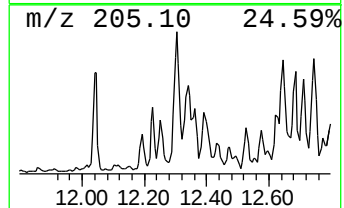
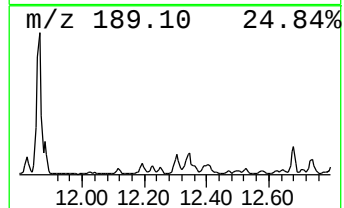
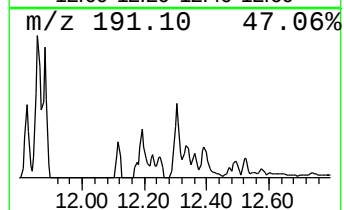
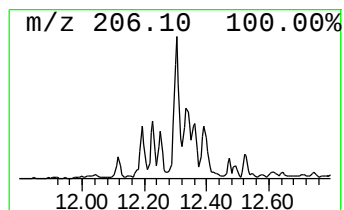
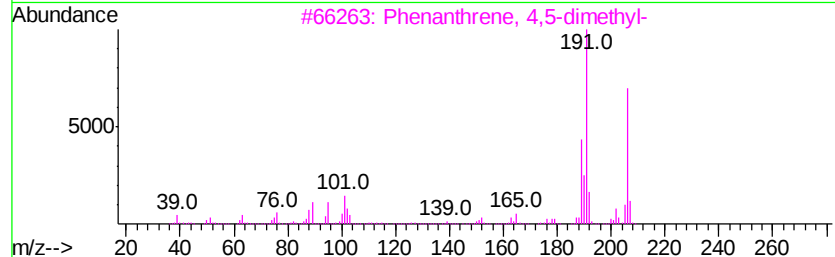
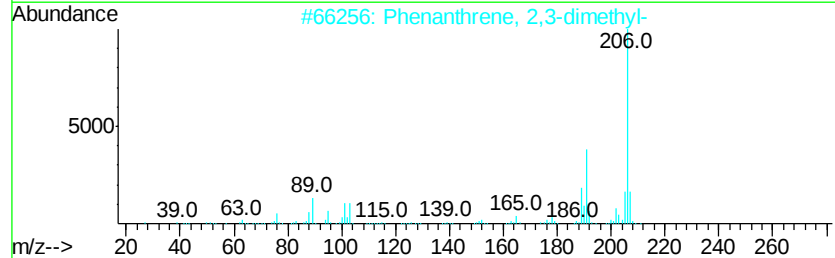
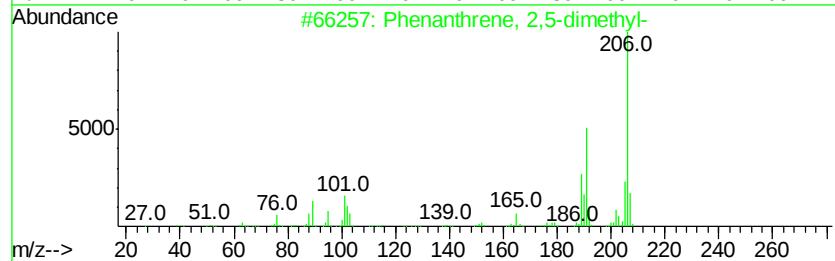
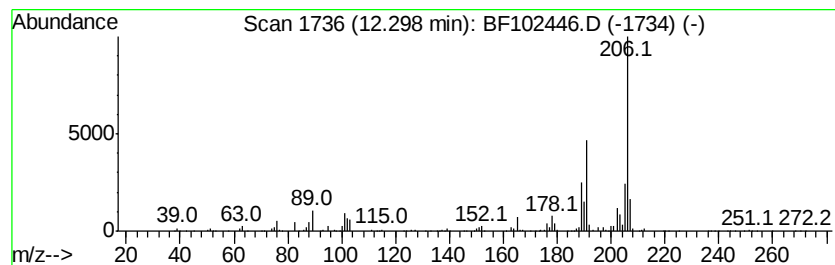
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	17.27 ng	627738	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	87
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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Acq On : 26 Jan 2018 1:32
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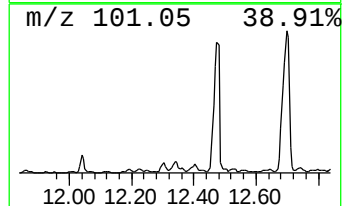
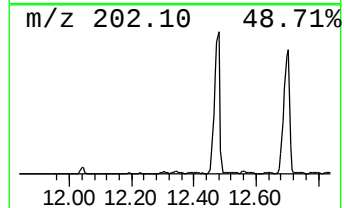
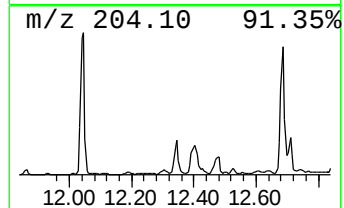
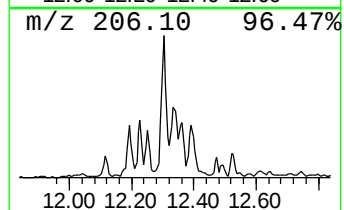
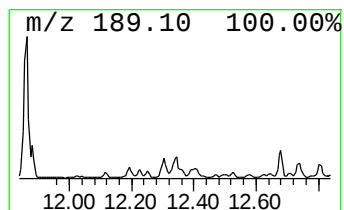
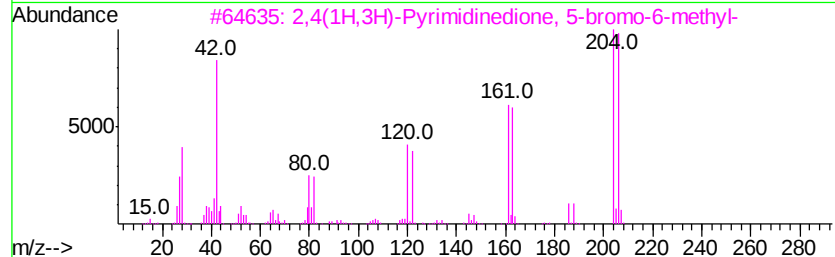
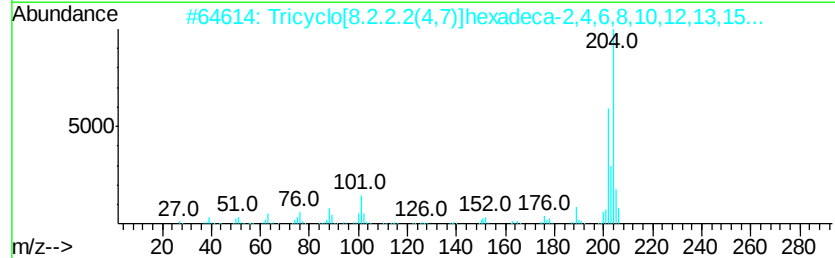
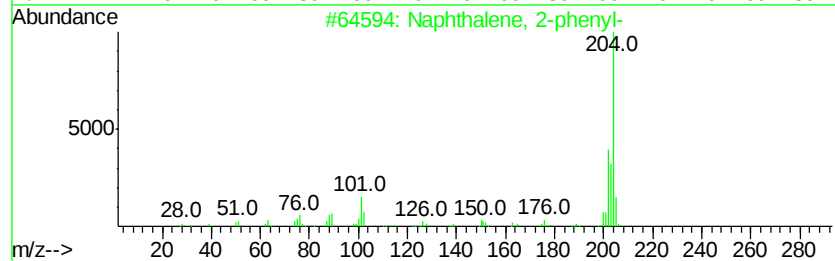
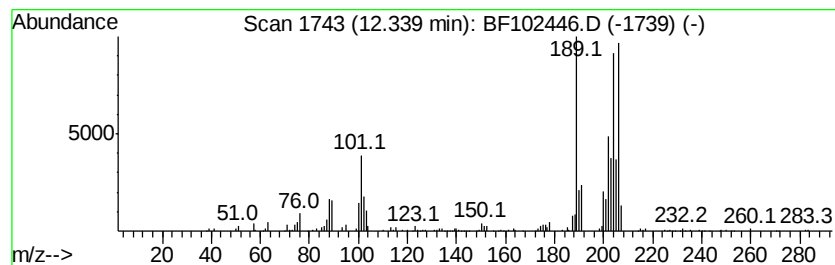
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.34 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	13.31 ng	483724	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
3		2,4(1H,3H)-Pyrimidinedione, 5-br...	204	C5H5BrN2O2	015018-56-1	30
4		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
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Sample : J1289-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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SB-52-13.5-14.0

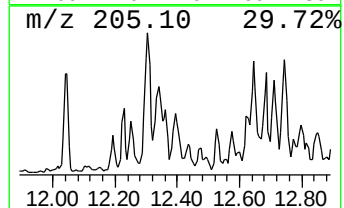
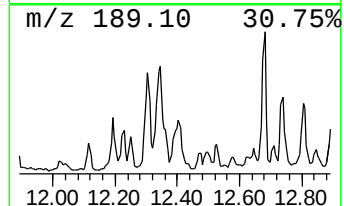
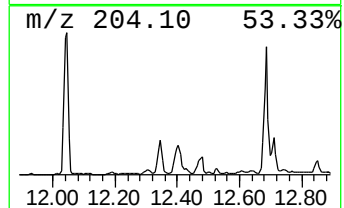
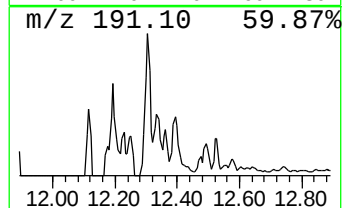
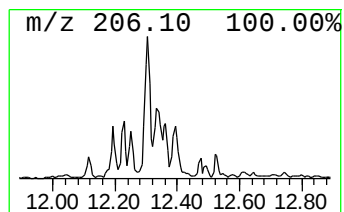
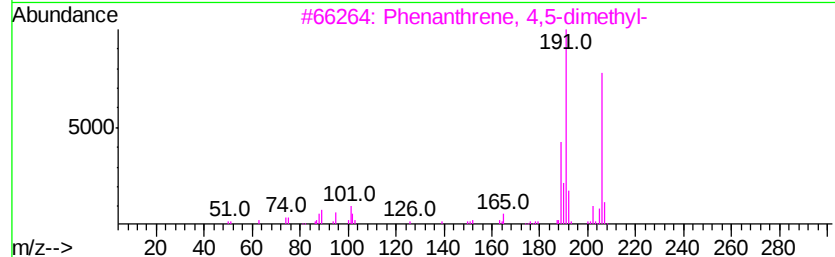
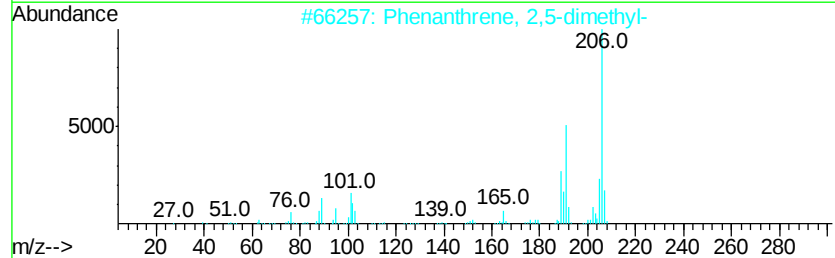
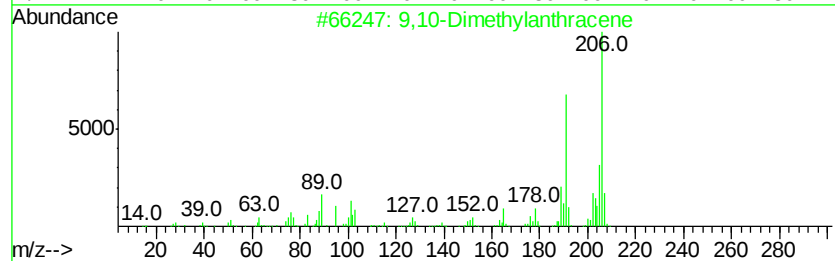
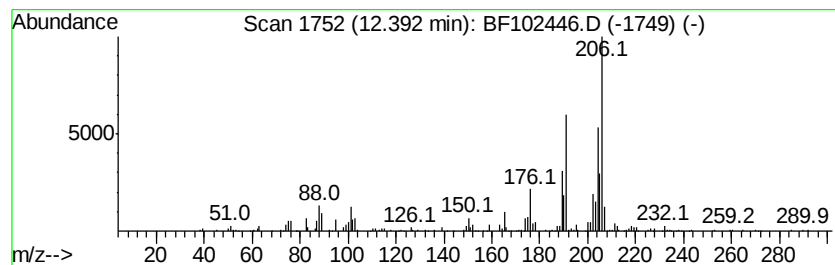
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Dimethylantracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	12.10 ng	439992	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	64
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
5			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	53



Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102446.D
Acq On : 26 Jan 2018 1:32
Operator : SJ/JU
Sample : J1289-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0

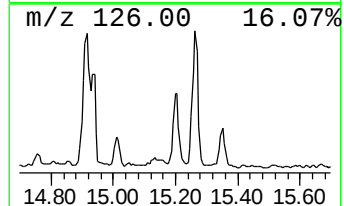
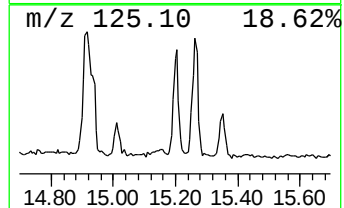
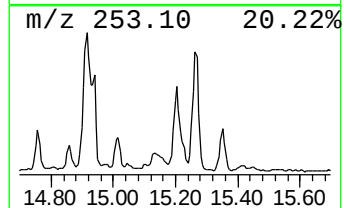
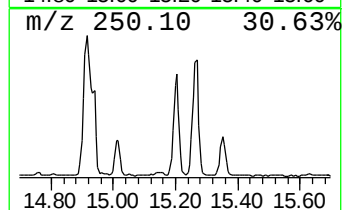
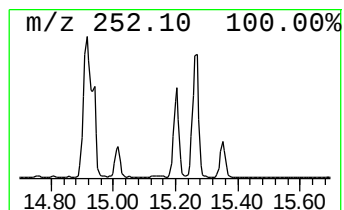
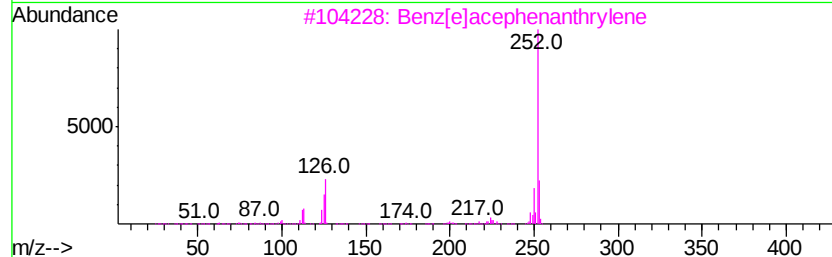
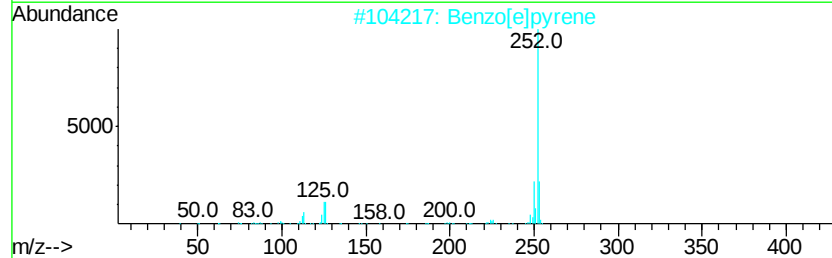
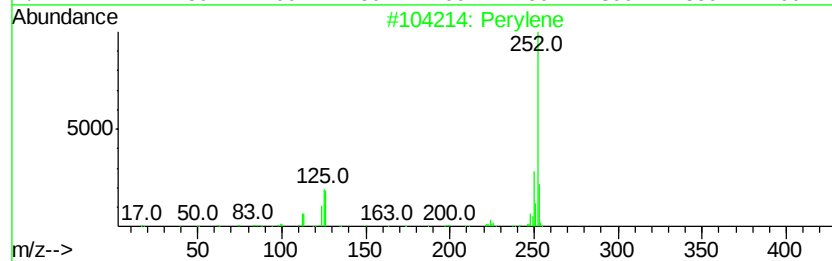
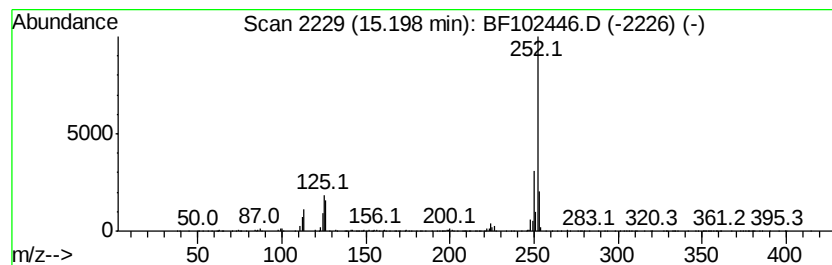
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	47.06 ng	905260	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : U:\HPCHEM1\BNA_F\DATA\BF012518\
 Data File : BF102446.D
 Acq On : 26 Jan 2018 1:32
 Operator : SJ/JU
 Sample : J1289-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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
unknown6.49	6.49	71.9	ng	3074620	1	6.72	855251	20.0
Naphthalene, 2,7-...	9.41	10.8	ng	764324	3	9.75	1413330	20.0
unknown10.66	10.66	21.0	ng	763866	4	11.25	727126	20.0
9H-Fluorene, 1-me...	10.85	26.0	ng	946192	4	11.25	727126	20.0
9H-Fluorene, 2-me...	10.88	16.6	ng	605113	4	11.25	727126	20.0
unknown11.00	11.00	14.9	ng	542653	4	11.25	727126	20.0
unknown11.10	11.10	18.8	ng	682141	4	11.25	727126	20.0
Naphtho[2,1-b]thi...	11.14	27.2	ng	988728	4	11.25	727126	20.0
Anthracene, 1-met...	11.75	28.7	ng	1044320	4	11.25	727126	20.0
Phenanthrene, 1-m...	11.77	33.5	ng	1219550	4	11.25	727126	20.0
Phenanthrene, 2-m...	11.82	13.9	ng	507055	4	11.25	727126	20.0
Benzaldehyde, 3,5...	11.86	55.7	ng	2023730	4	11.25	727126	20.0
Anthracene, 2-met...	11.88	15.4	ng	559592	4	11.25	727126	20.0
5,16[1',2']:8,13[...	12.04	14.6	ng	532049	4	11.25	727126	20.0
Phenanthrene, 2,5...	12.30	17.3	ng	627738	4	11.25	727126	20.0
unknown12.34	12.34	13.3	ng	483724	4	11.25	727126	20.0
9,10-Dimethylanth...	12.39	12.1	ng	439992	4	11.25	727126	20.0
Perylene	15.20	47.1	ng	905260	6	15.32	384746	20.0