

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102730.D
 Acq On : 5 Feb 2018 11:31
 Operator : SJ/JU
 Sample : J1014-03 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-013118

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-BF020318.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	2.128	3	7	14	rVB	224363	292643	5.42%	0.365%
2	5.481	573	577	581	rVB	1298928	1154194	21.36%	1.442%
3	6.492	745	749	754	rBV	1441691	1141344	21.13%	1.425%
4	6.645	771	775	778	rVB	1266740	1173605	21.72%	1.466%
5	6.881	811	815	818	rBV	1564205	1334662	24.71%	1.667%
6	7.033	837	841	844	rVB	1124191	880450	16.30%	1.100%
7	7.139	853	859	864	rBV	165838	153106	2.83%	0.191%
8	7.433	906	909	912	rVB	839332	671209	12.42%	0.838%
9	8.163	1027	1033	1035	rBV	2214823	1935971	35.84%	2.418%
10	8.186	1035	1037	1040	rVB	1354350	1004517	18.59%	1.255%
11	8.875	1150	1154	1157	rVB	1159906	888956	16.46%	1.110%
12	8.975	1166	1171	1174	rVB	820680	677237	12.54%	0.846%
13	9.233	1211	1215	1219	rVB	1560596	1252443	23.18%	1.564%
14	9.333	1230	1232	1236	rVB	219600	190680	3.53%	0.238%
15	9.433	1246	1249	1254	rVB	147763	157791	2.92%	0.197%
16	9.504	1256	1261	1264	rVV	316584	405851	7.51%	0.507%
17	9.574	1269	1273	1275	rVV	527738	509375	9.43%	0.636%
18	9.598	1275	1277	1280	rVV	314622	292370	5.41%	0.365%
19	9.627	1280	1282	1290	rVV3	180971	260035	4.81%	0.325%
20	9.692	1290	1293	1298	rVV	249678	278820	5.16%	0.348%
21	9.774	1305	1307	1311	rVV	435332	401784	7.44%	0.502%
22	9.898	1322	1328	1329	rVV	173462	180341	3.34%	0.225%
23	9.922	1329	1332	1334	rVV	1872993	1785441	33.05%	2.230%
24	9.951	1334	1337	1340	rVV	1149978	921511	17.06%	1.151%
25	10.122	1361	1366	1369	rVV	882786	795442	14.72%	0.993%
26	10.157	1369	1372	1377	rVV	206382	173992	3.22%	0.217%
27	10.233	1381	1385	1387	rBV2	172033	177472	3.29%	0.222%
28	10.322	1396	1400	1402	rBV3	135169	185788	3.44%	0.232%
29	10.345	1402	1404	1406	rVB2	222350	170930	3.16%	0.213%
30	10.463	1421	1424	1430	rVB	1327008	1273901	23.58%	1.591%
31	10.551	1437	1439	1441	rVV	227458	202968	3.76%	0.253%
32	10.621	1448	1451	1454	rVB	240467	226103	4.19%	0.282%
33	10.704	1459	1465	1469	rBV2	956768	961391	17.80%	1.201%
34	10.827	1481	1486	1490	rBV2	266949	379749	7.03%	0.474%

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35	11.010	1511	1517	1520	rBV2	302362	376992	6.98%	0.471%
36	11.039	1520	1522	1525	rVV2	197405	189302	3.50%	0.236%
37	11.139	1534	1539	1541	rVV3	129132	172782	3.20%	0.216%
38	11.163	1541	1543	1548	rVV2	168537	186616	3.45%	0.233%
39	11.263	1554	1560	1563	rVV2	162948	277291	5.13%	0.346%
40	11.298	1563	1566	1571	rVB	520559	494622	9.16%	0.618%
41	11.404	1581	1584	1586	rBV	1546734	1550196	28.70%	1.936%
42	11.433	1586	1589	1592	rVV	4543310	4346400	80.45%	5.428%
43	11.480	1594	1597	1600	rVV	1812780	1487054	27.53%	1.857%
44	11.510	1600	1602	1605	rVB2	172850	170191	3.15%	0.213%
45	11.633	1616	1623	1625	rBV	609382	615097	11.39%	0.768%
46	11.698	1630	1634	1636	rVV3	185817	223785	4.14%	0.279%
47	11.733	1637	1640	1646	rVB3	217891	219961	4.07%	0.275%
48	11.816	1652	1654	1658	rVB	149449	146708	2.72%	0.183%
49	11.904	1666	1669	1671	rBV	803066	753820	13.95%	0.941%
50	11.933	1671	1674	1678	rVB	1174353	1148725	21.26%	1.435%
51	11.980	1679	1682	1685	rBV	444953	387367	7.17%	0.484%
52	12.021	1685	1689	1691	rVV2	1387667	1459636	27.02%	1.823%
53	12.039	1691	1692	1696	rVB	586284	382699	7.08%	0.478%
54	12.204	1717	1720	1722	rVV	471218	463921	8.59%	0.579%
55	12.221	1722	1723	1727	rVB2	210527	191520	3.55%	0.239%
56	12.380	1747	1750	1752	rBV	289319	232108	4.30%	0.290%
57	12.404	1752	1754	1757	rVB	222827	169770	3.14%	0.212%
58	12.457	1759	1763	1766	rBV	599932	666038	12.33%	0.832%
59	12.492	1766	1769	1771	rVV2	365093	440997	8.16%	0.551%
60	12.539	1775	1777	1782	rBV2	340207	401718	7.44%	0.502%
61	12.627	1787	1792	1795	rBV	4605799	4840797	89.61%	6.046%
62	12.710	1804	1806	1809	rVB2	296685	248558	4.60%	0.310%
63	12.768	1814	1816	1819	rVB	187749	177760	3.29%	0.222%
64	12.857	1824	1831	1835	rBV2	4286615	5402308	100.00%	6.747%
65	12.898	1835	1838	1842	rVB2	302022	390546	7.23%	0.488%
66	12.963	1842	1849	1851	rBV2	345075	461148	8.54%	0.576%
67	12.986	1851	1853	1860	rVB2	1047983	1117974	20.69%	1.396%
68	13.063	1861	1866	1870	rBV2	453274	766363	14.19%	0.957%
69	13.151	1878	1881	1882	rVV3	391832	406720	7.53%	0.508%
70	13.174	1882	1885	1888	rVB	1147144	1039230	19.24%	1.298%
71	13.239	1893	1896	1899	rVB	843864	709346	13.13%	0.886%

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72	13.280	1899	1903	1905	rBV2	672435	672307	12.44%	0.840%
73	13.304	1905	1907	1910	rVB	152297	138649	2.57%	0.173%
74	13.374	1916	1919	1921	rVB	399983	337062	6.24%	0.421%
75	13.404	1921	1924	1927	rBV	397821	400832	7.42%	0.501%
76	13.574	1946	1953	1955	rBV6	191496	351787	6.51%	0.439%
77	13.657	1964	1967	1968	rBV2	183411	173737	3.22%	0.217%
78	13.680	1968	1971	1976	rVB	322614	416303	7.71%	0.520%
79	13.792	1986	1990	1993	rBV3	445123	576503	10.67%	0.720%
80	13.821	1993	1995	1997	rVV	507958	419871	7.77%	0.524%
81	13.845	1997	1999	2003	rVV2	417919	549753	10.18%	0.687%
82	13.886	2003	2006	2011	rVB3	373672	472519	8.75%	0.590%
83	14.039	2026	2032	2036	rBV3	2597772	4207391	77.88%	5.255%
84	14.074	2036	2038	2043	rVB	2365562	2102613	38.92%	2.626%
85	14.151	2049	2051	2054	rBV	490134	396413	7.34%	0.495%
86	14.262	2067	2070	2074	rBV2	238451	352838	6.53%	0.441%
87	14.392	2090	2092	2094	rBV	168045	147030	2.72%	0.184%
88	14.427	2094	2098	2101	rVV	571121	686652	12.71%	0.858%
89	14.462	2102	2104	2107	rVB	306260	263703	4.88%	0.329%
90	14.557	2117	2120	2122	rBV2	329744	308410	5.71%	0.385%
91	14.574	2122	2123	2127	rVB3	358257	283846	5.25%	0.355%
92	14.821	2162	2165	2167	rBV	161827	165306	3.06%	0.206%
93	15.098	2207	2212	2215	rBV	1734354	2922479	54.10%	3.650%
94	15.198	2226	2229	2233	rVB	467630	532563	9.86%	0.665%
95	15.404	2260	2264	2270	rVB	1104300	1487250	27.53%	1.858%
96	15.468	2270	2275	2281	rBV	1647854	2206060	40.84%	2.755%
97	15.527	2281	2285	2288	rVV	734379	1031777	19.10%	1.289%
98	15.562	2288	2291	2297	rVB2	580292	774127	14.33%	0.967%
99	17.021	2533	2539	2546	rVB2	668497	1373200	25.42%	1.715%
100	17.474	2611	2616	2628	rVB	534664	1107940	20.51%	1.384%

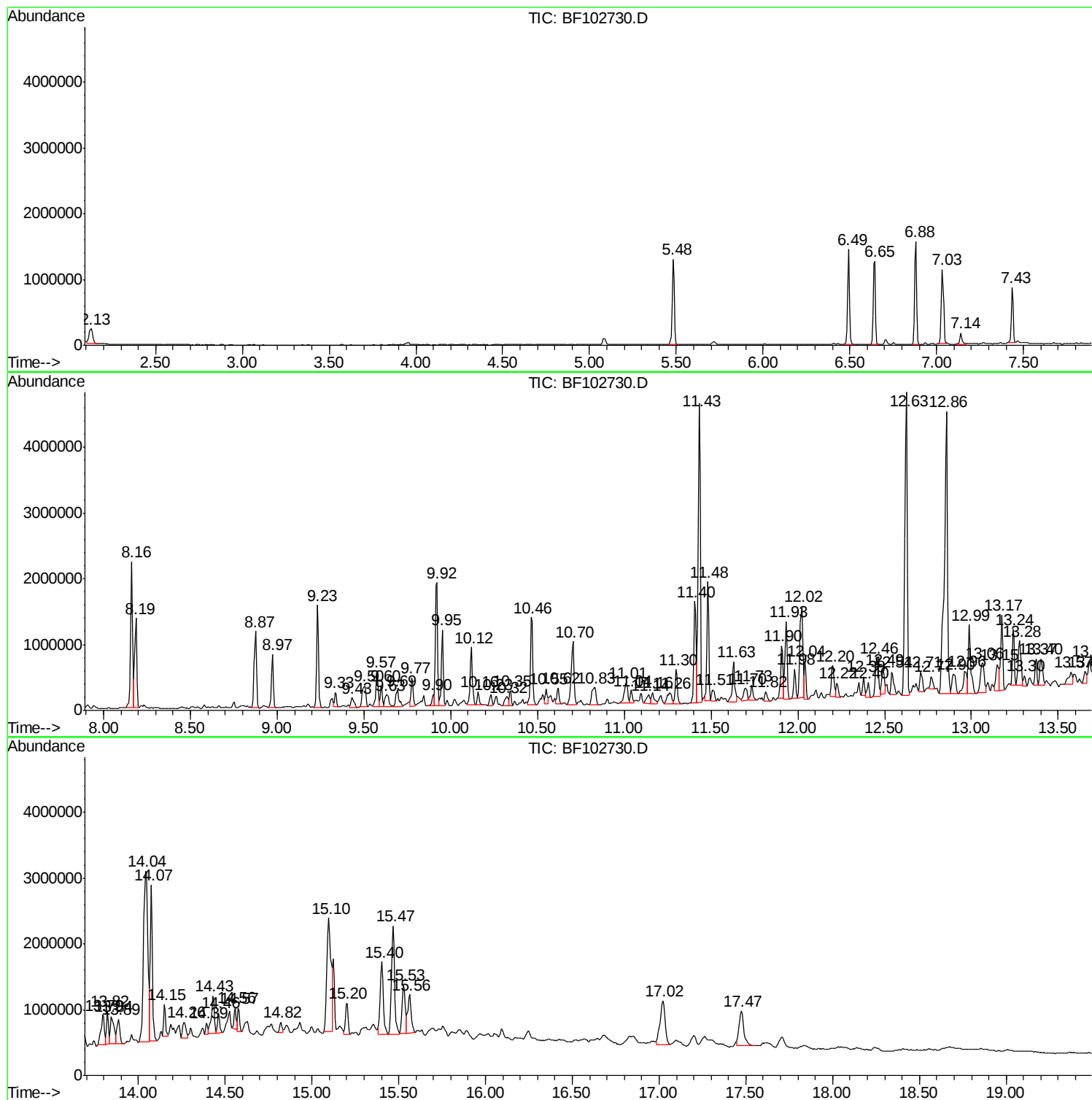
Sum of corrected areas: 80067059

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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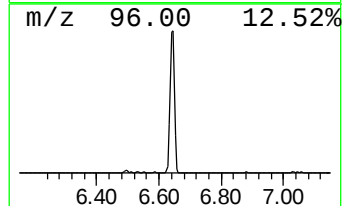
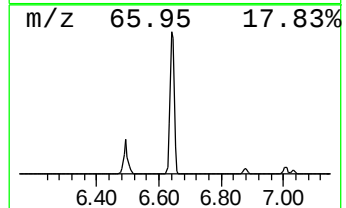
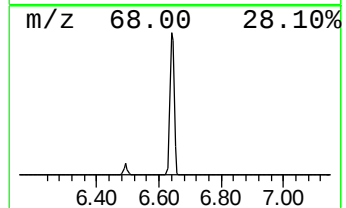
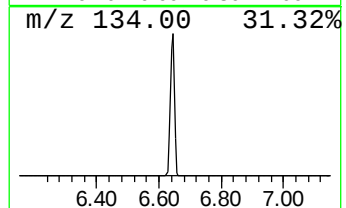
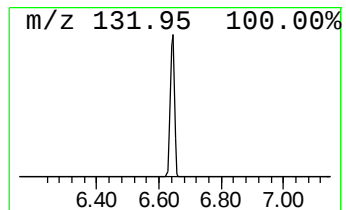
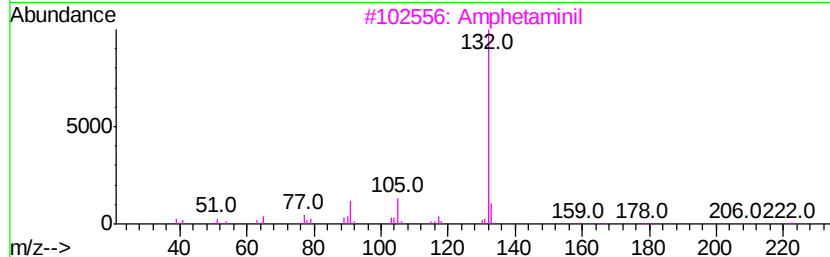
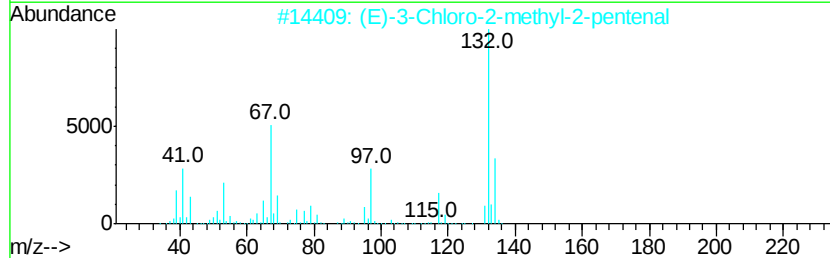
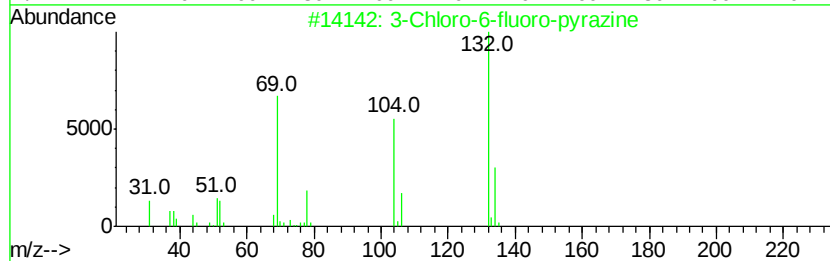
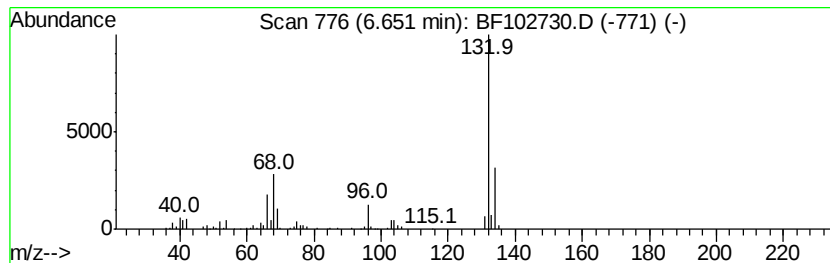
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.65 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	17.59 ng	1173610	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12



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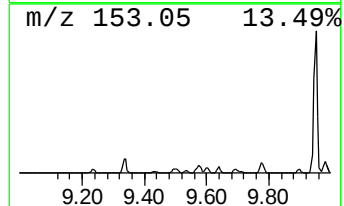
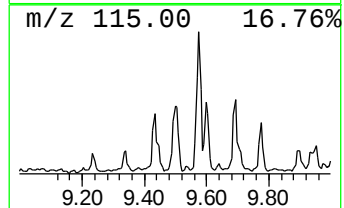
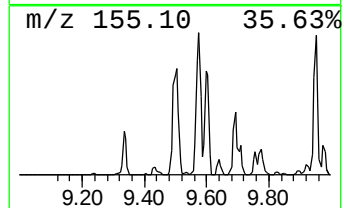
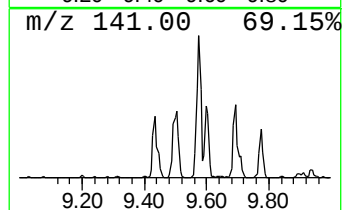
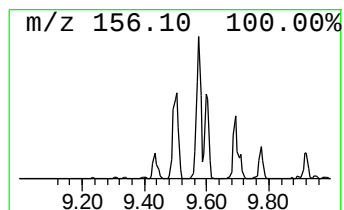
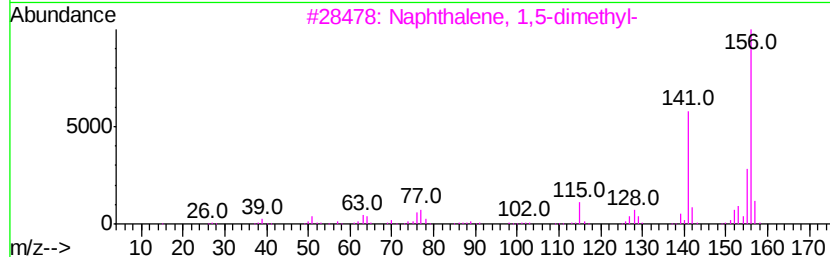
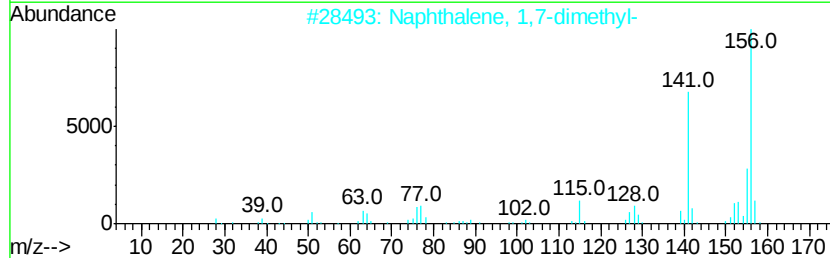
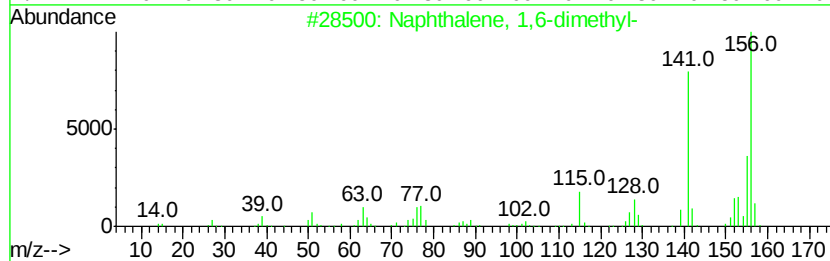
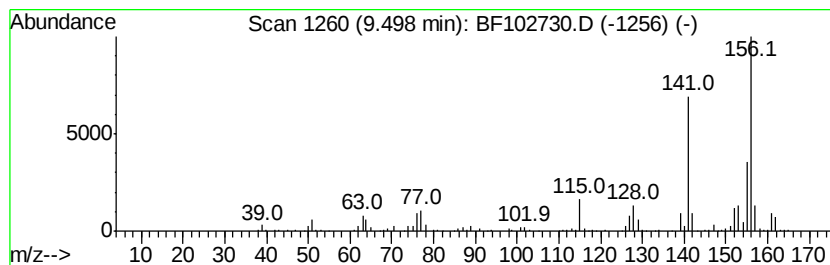
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	4.55 ng	405851	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
5		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96



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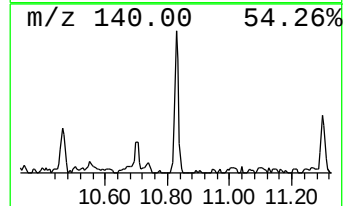
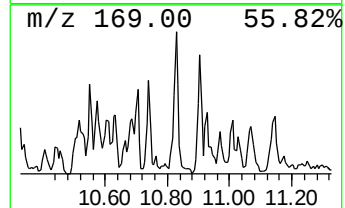
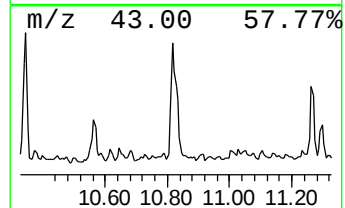
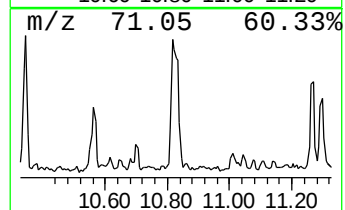
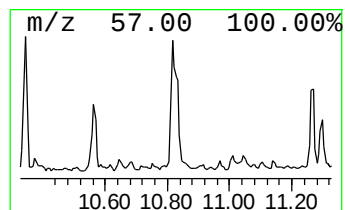
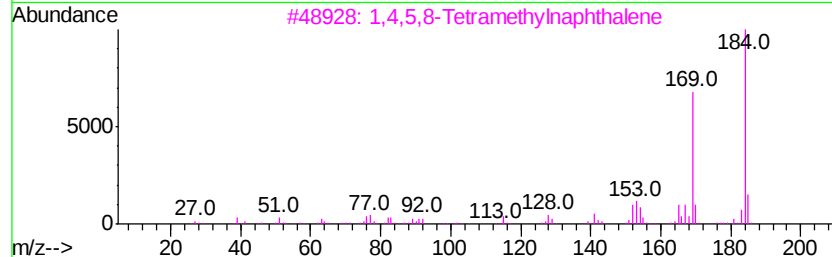
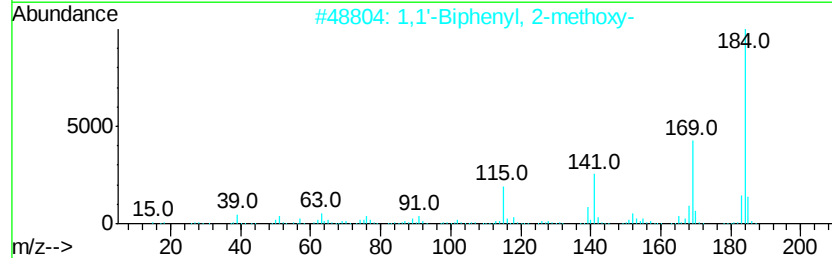
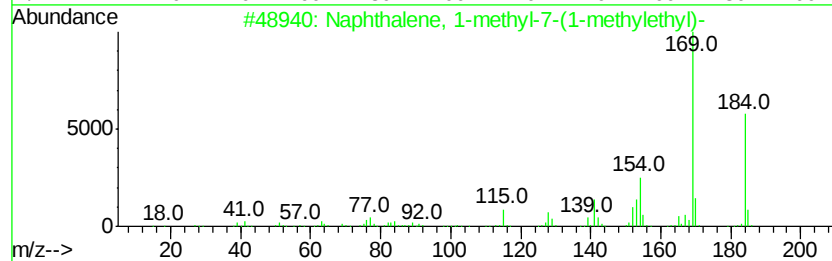
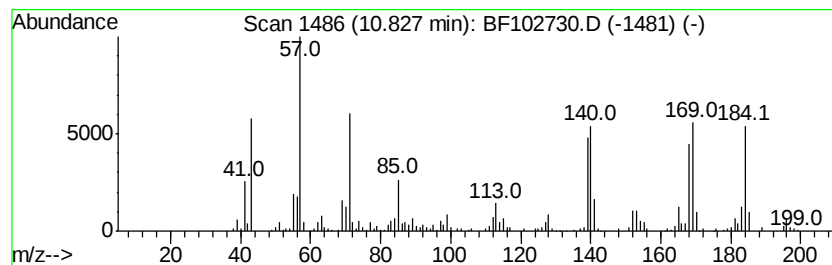
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown10.83 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.83	4.90 ng	379749	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-7-(1-methyl-...	184	C14H16	000490-65-3	38
2		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	30
3		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	30
4		Dodecane	170	C12H26	000112-40-3	25
5		Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	25



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Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-02-013118

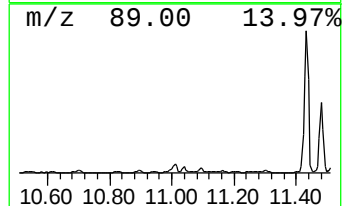
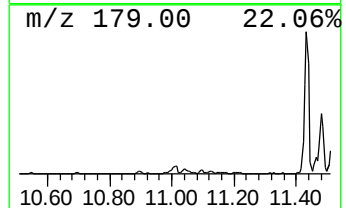
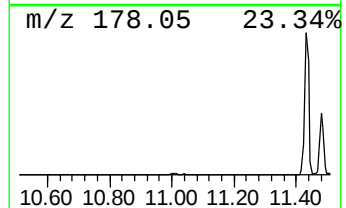
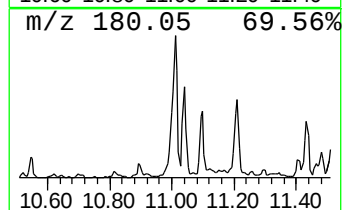
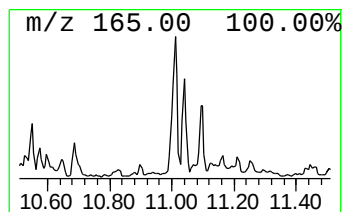
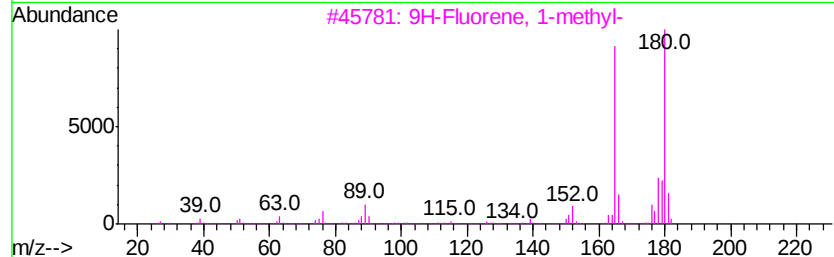
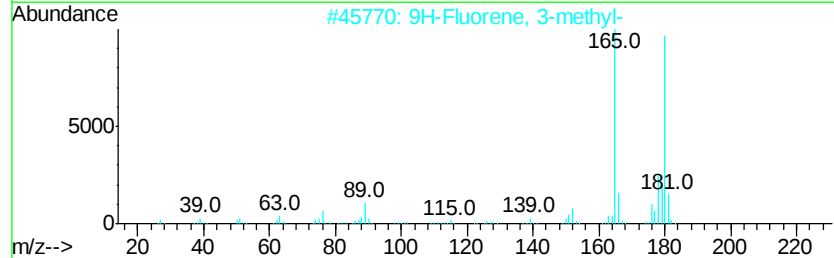
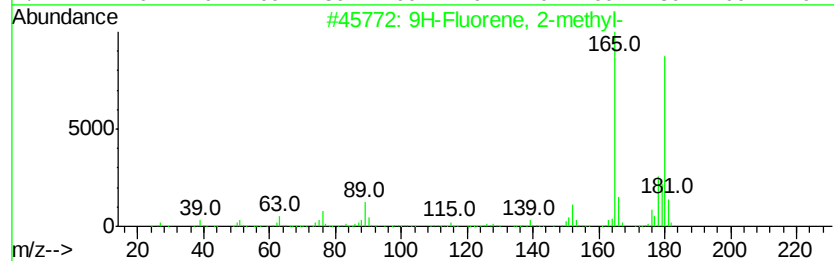
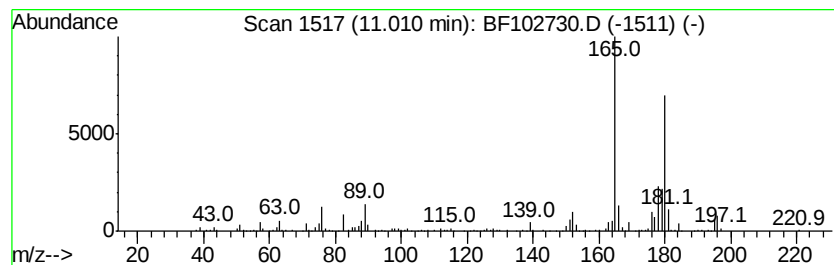
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	4.86 ng	376992	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
4		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
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Operator : SJ/JU
Sample : J1014-03 5X
Misc :
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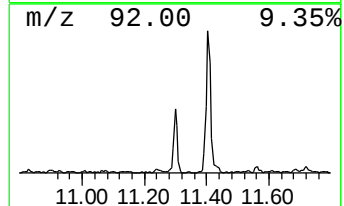
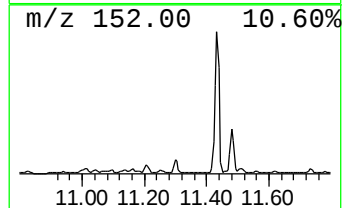
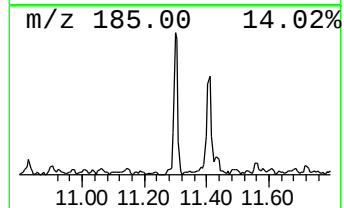
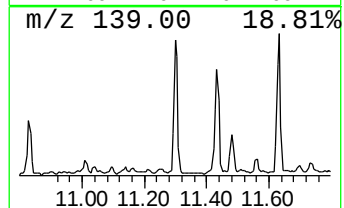
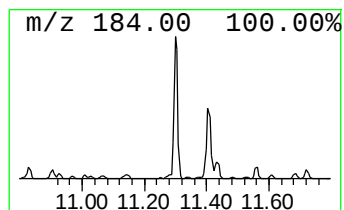
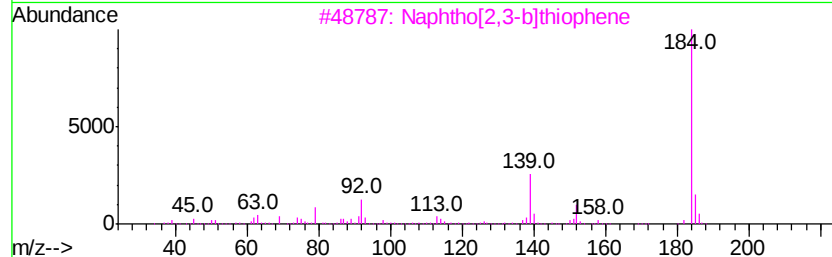
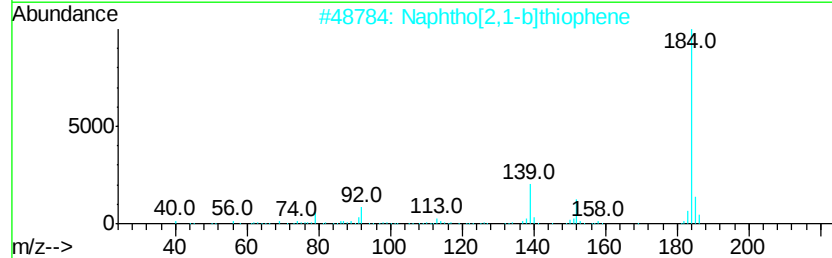
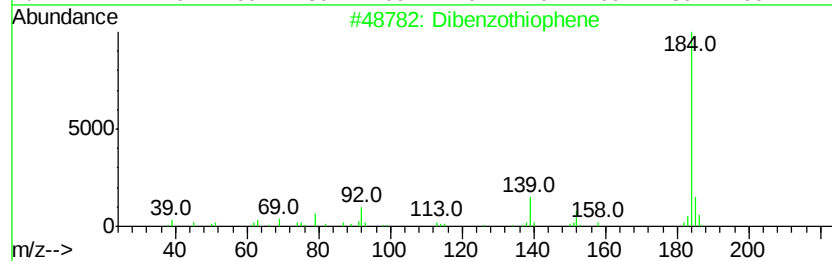
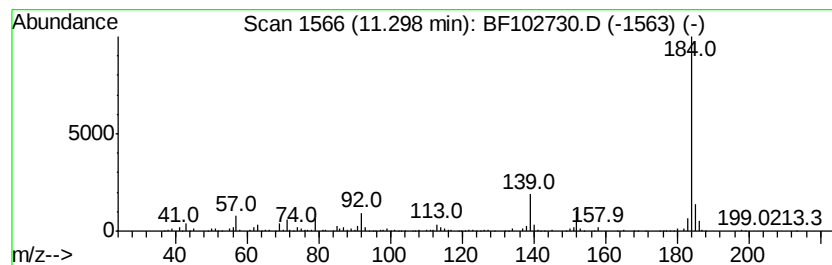
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.30	6.38 ng	494622	Phenanthrene-d10		11.40		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
Data File : BF102730.D
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Operator : SJ/JU
Sample : J1014-03 5X
Misc :
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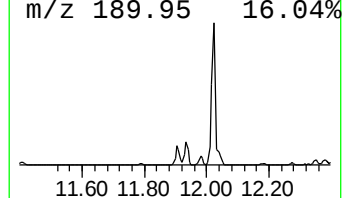
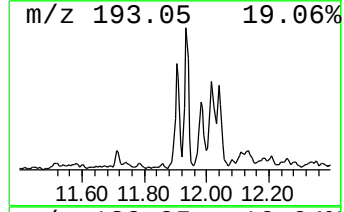
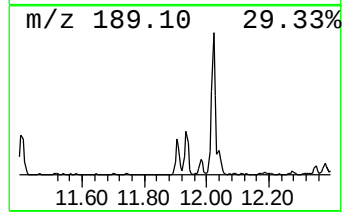
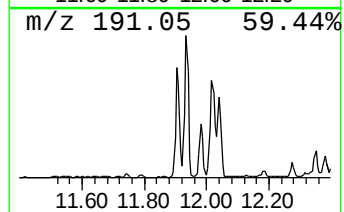
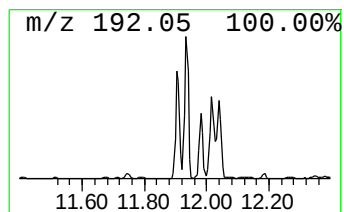
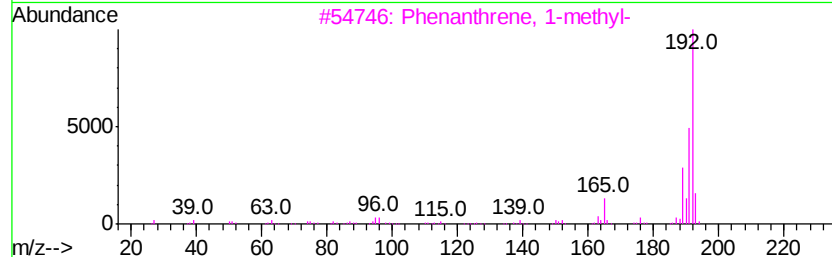
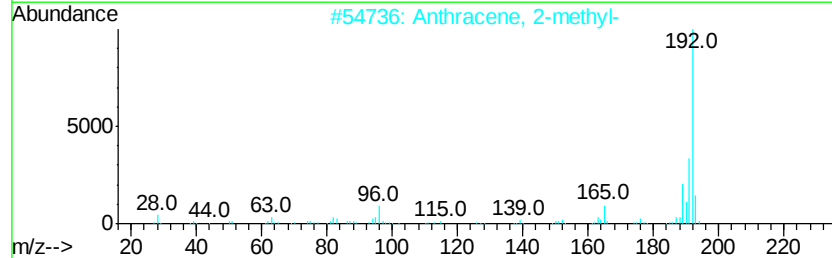
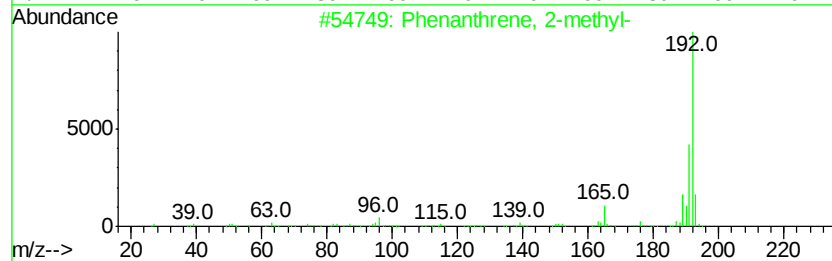
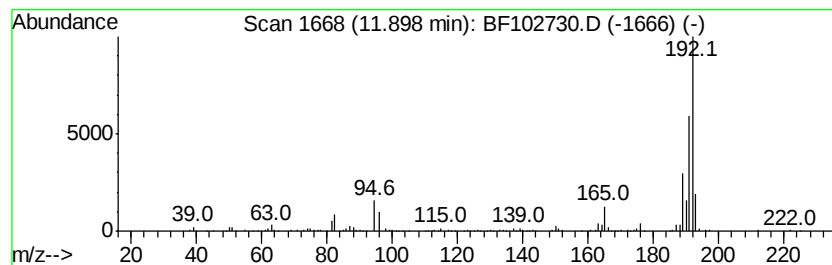
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	9.73 ng	753820	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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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Sample : J1014-03 5X
Misc :
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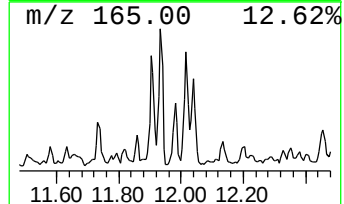
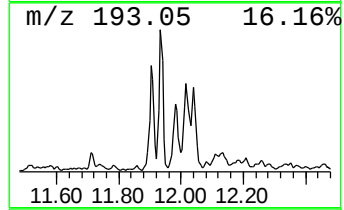
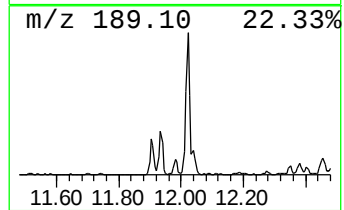
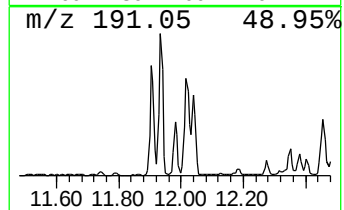
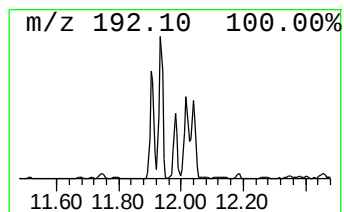
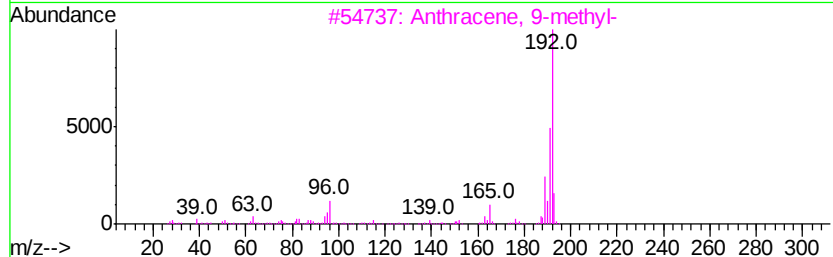
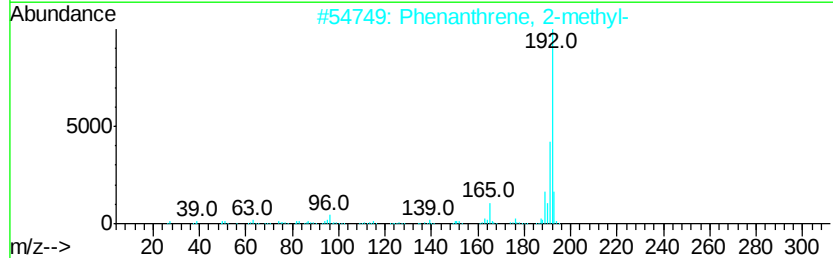
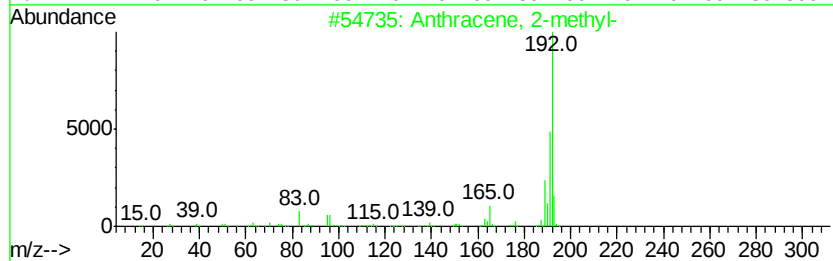
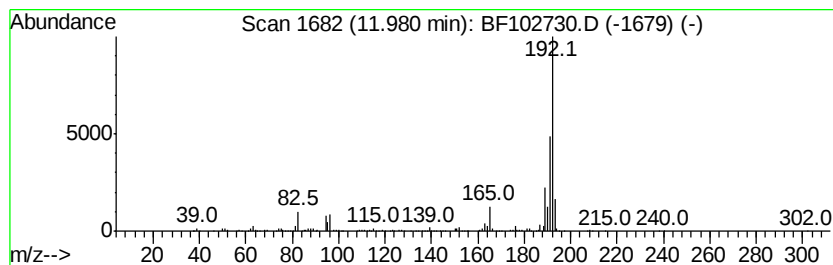
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	5.00 ng	387367	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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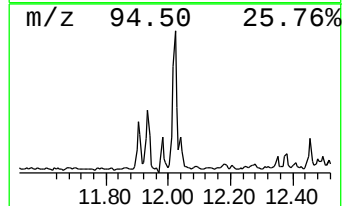
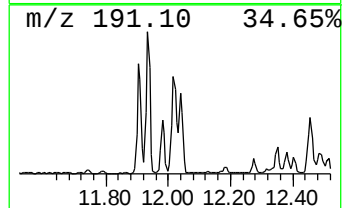
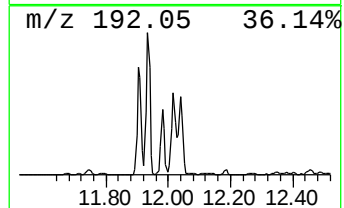
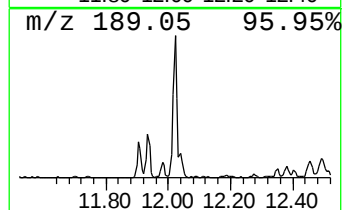
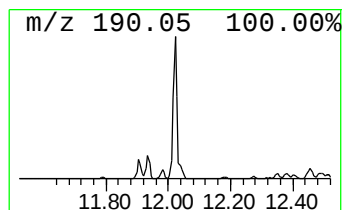
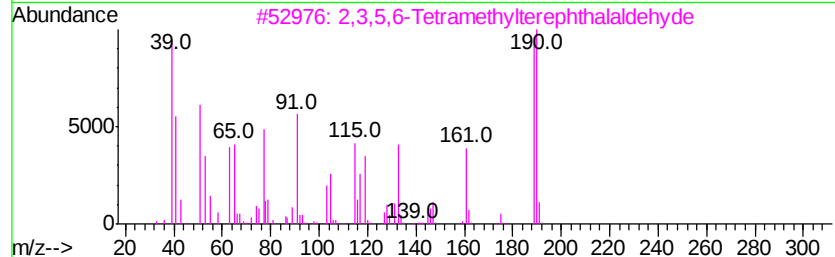
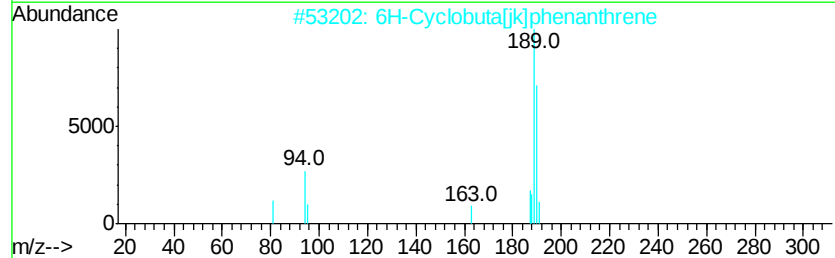
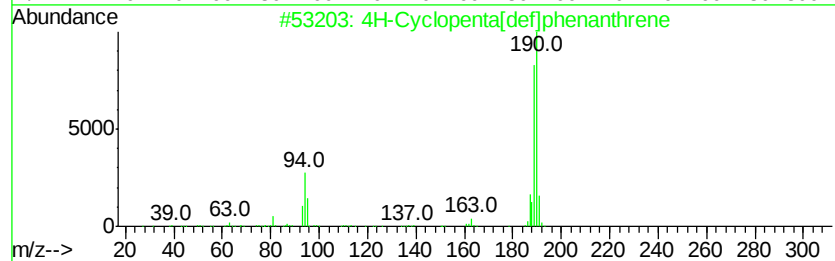
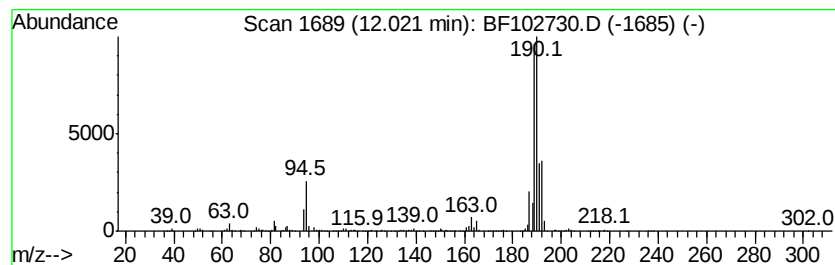
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	18.83 ng	1459640	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
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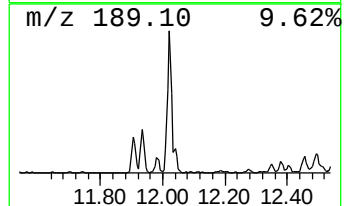
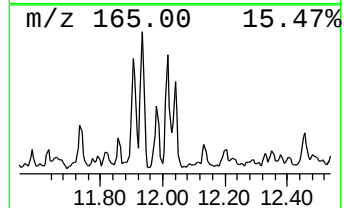
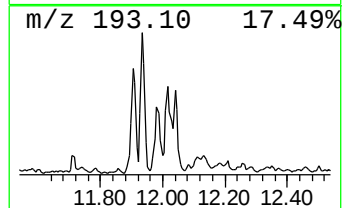
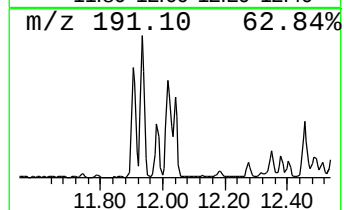
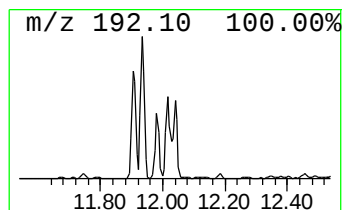
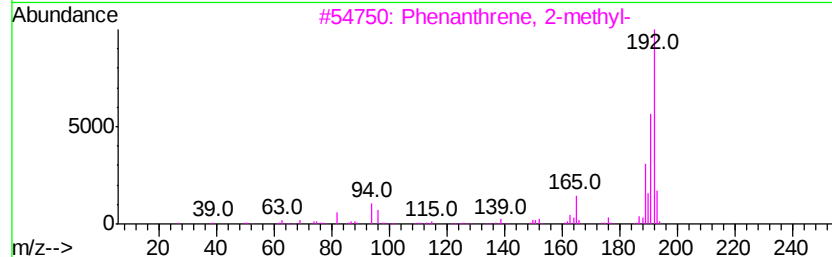
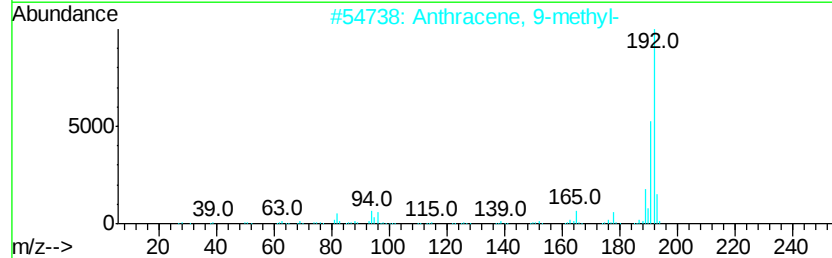
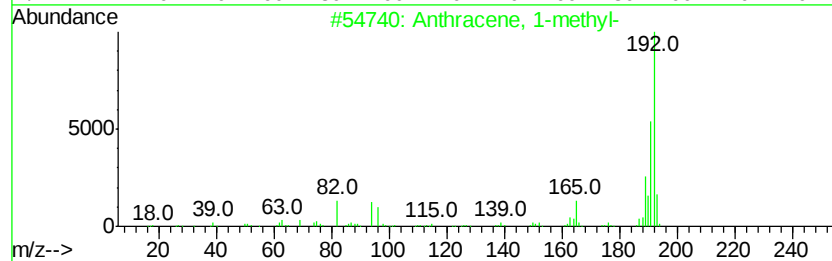
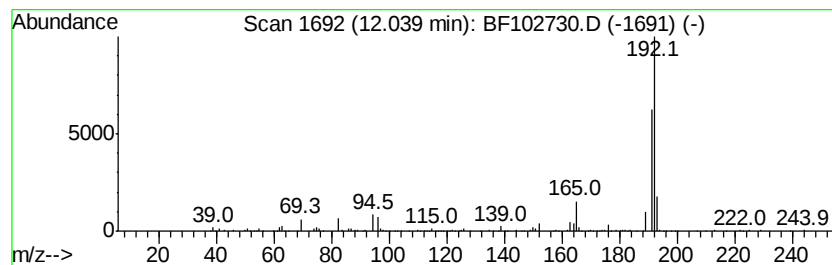
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.94 ng	382699	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
HD-02-013118

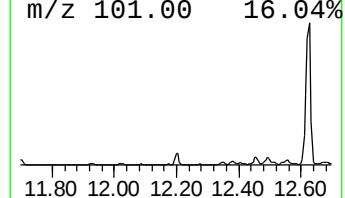
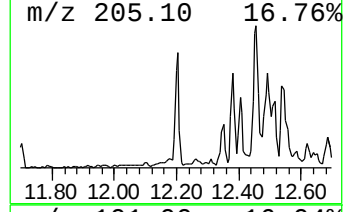
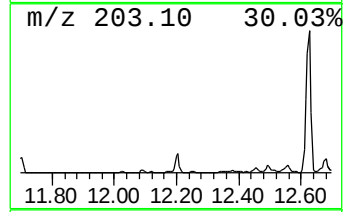
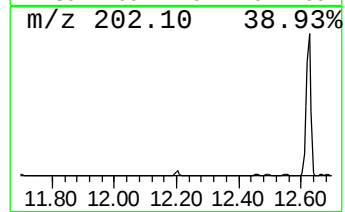
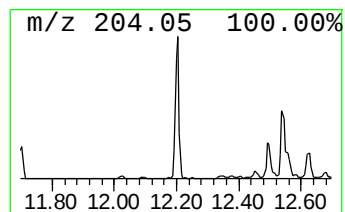
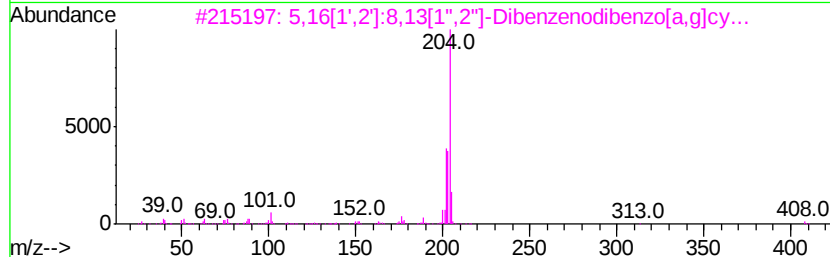
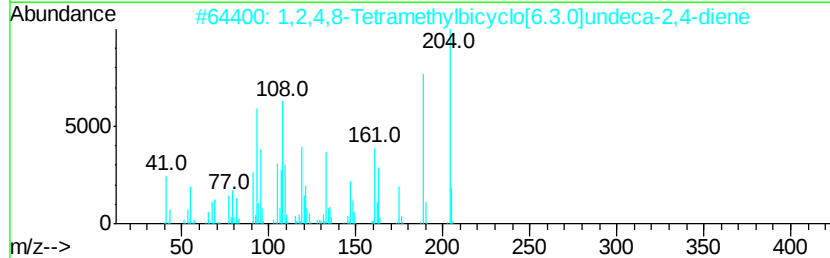
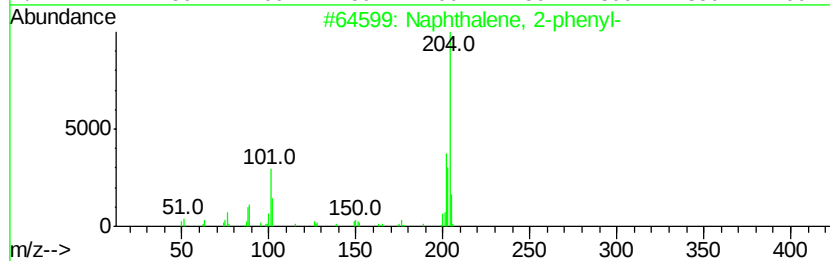
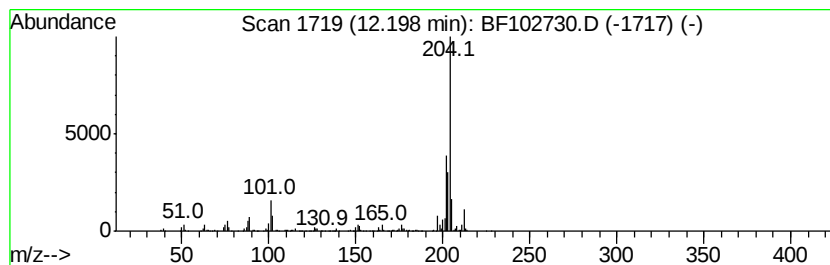
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	5.99 ng	463921	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
3		5,16[1',2']-8,13[1'',2'']-Dibenzo[1,2-b:4,5-b']diphenyl	408	C32H24	005672-97-9	72
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	62
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-013118

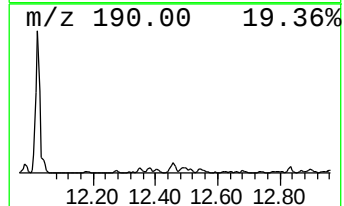
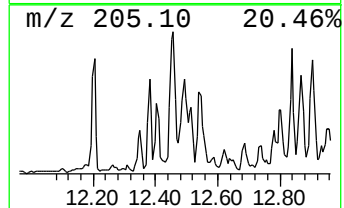
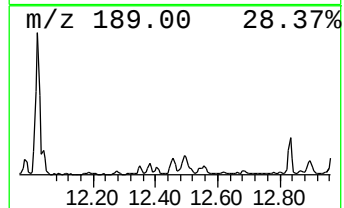
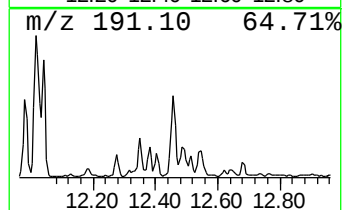
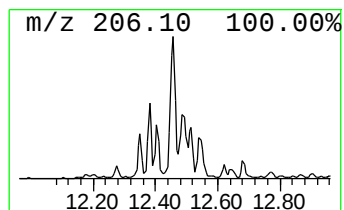
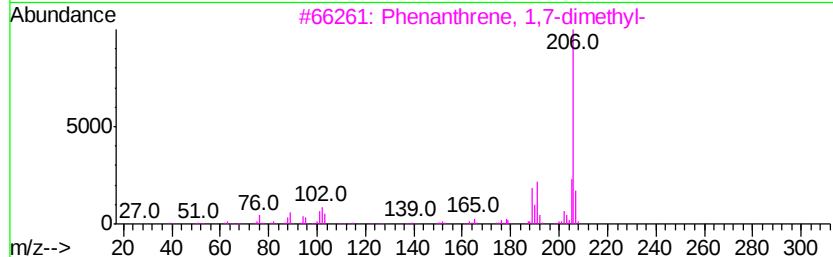
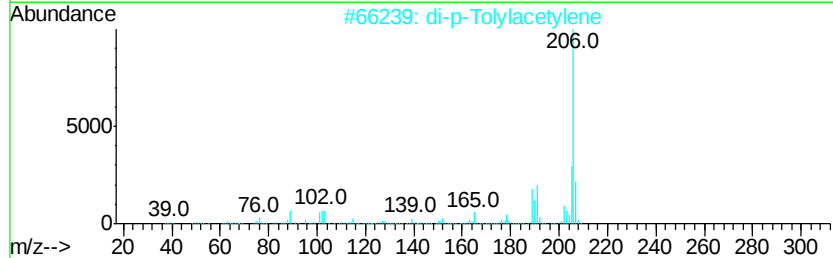
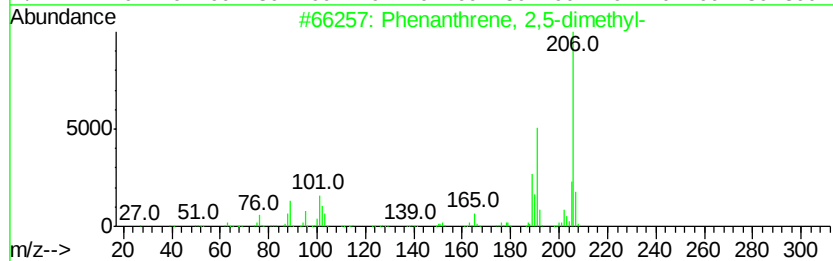
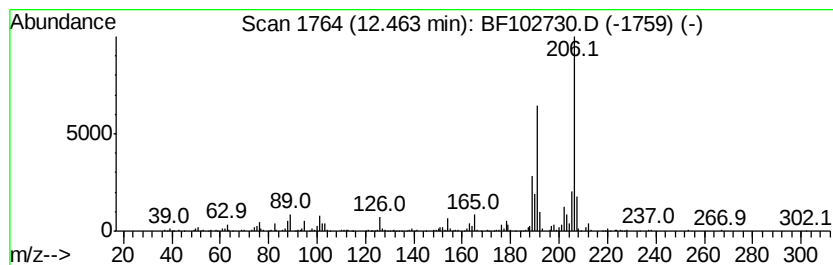
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	8.59 ng	666038	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
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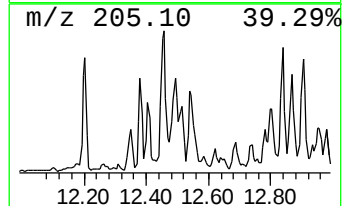
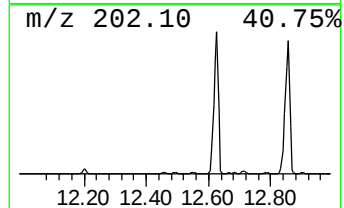
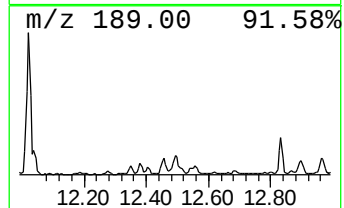
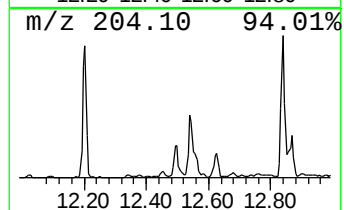
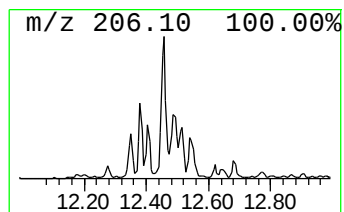
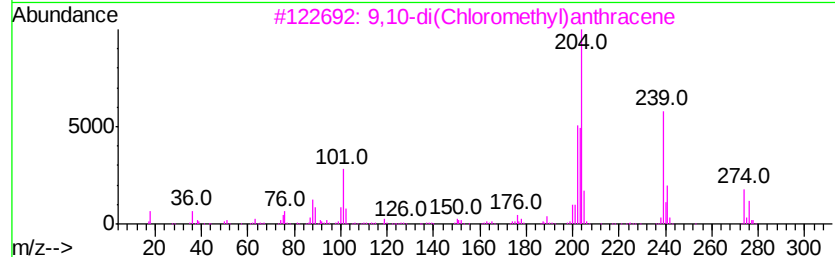
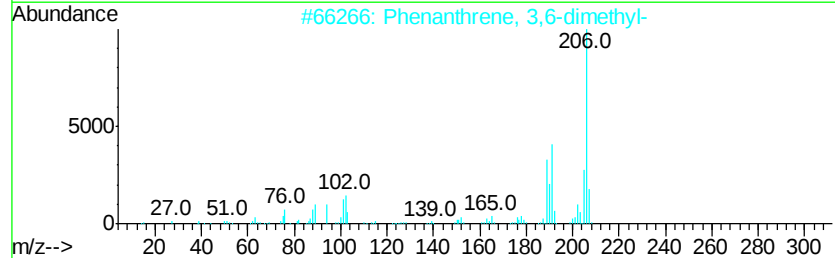
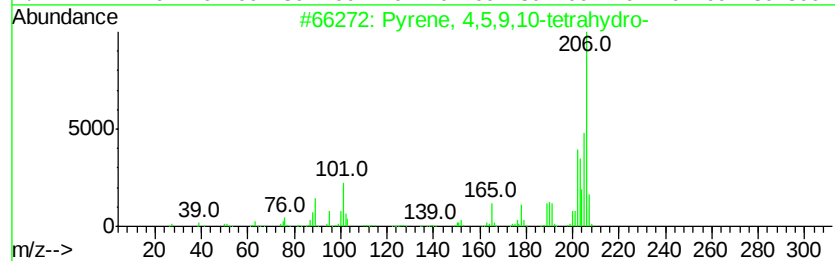
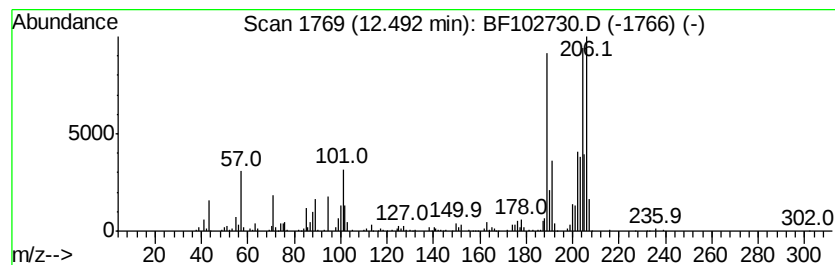
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.49	5.69 ng	440997	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-013118

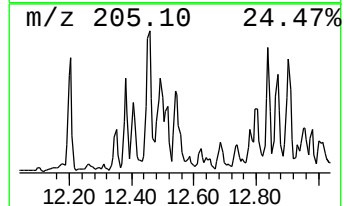
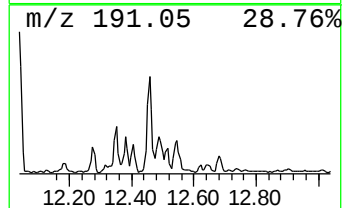
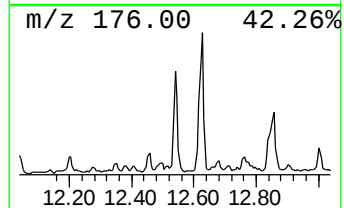
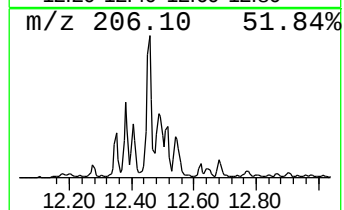
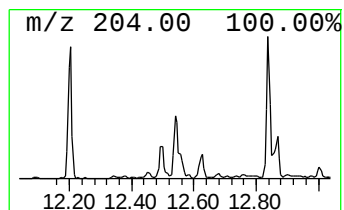
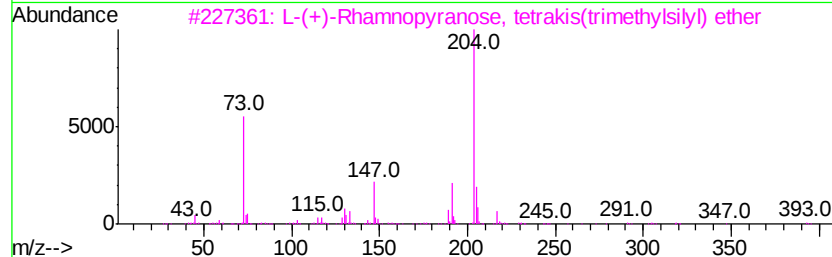
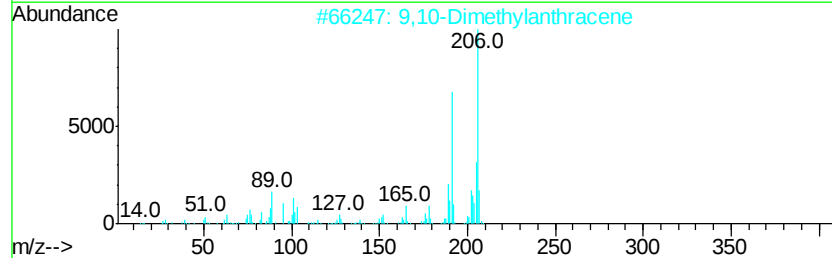
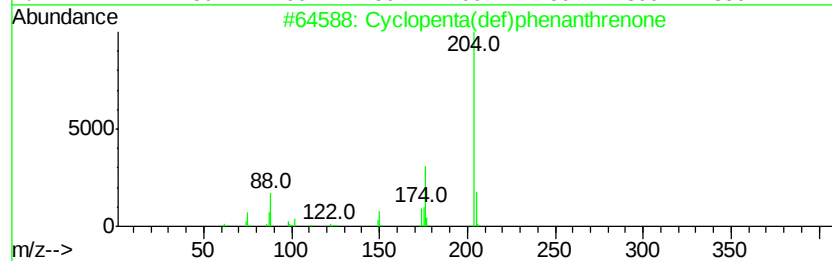
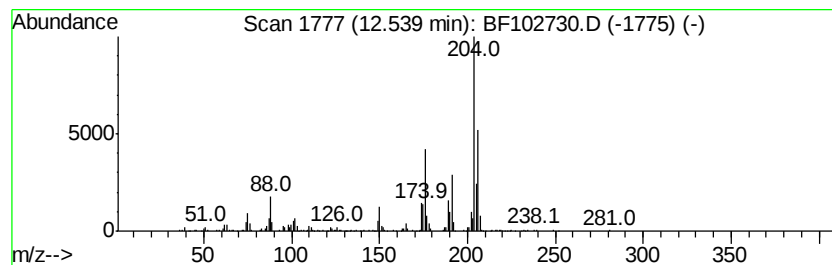
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	5.18 ng	401718	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	49
3		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

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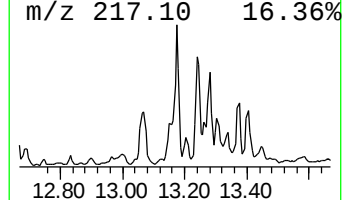
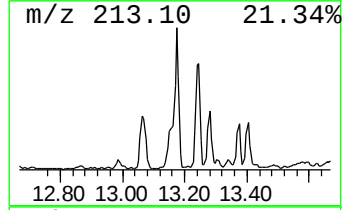
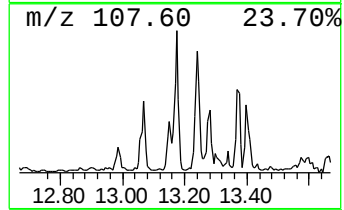
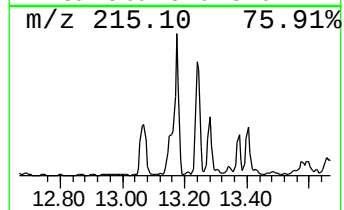
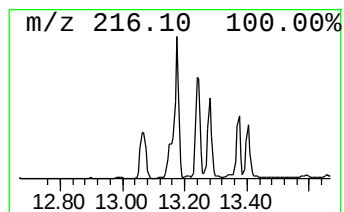
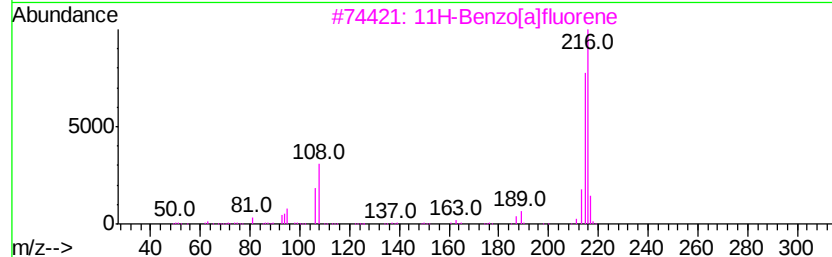
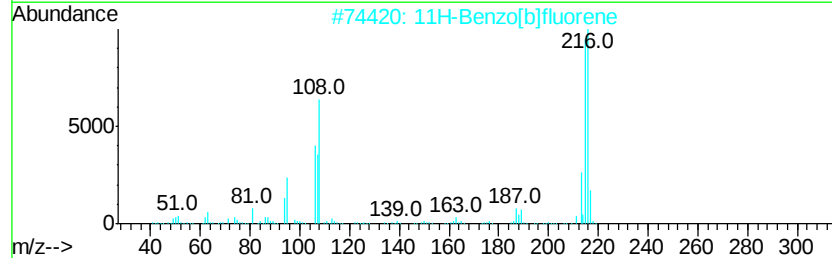
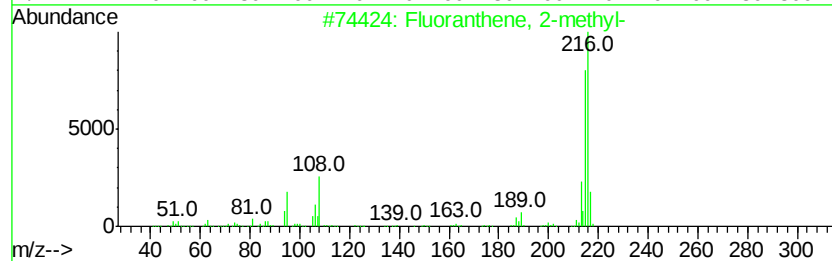
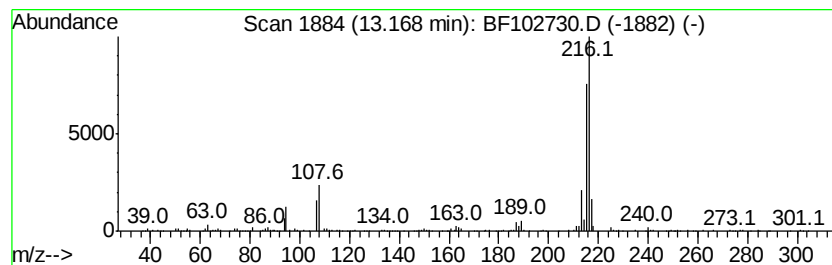
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.94 ng	1039230	Chrysene-d12	14.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : U:\HPCHEM1\BNA_F\DATA\BF020518\
 Data File : BF102730.D
 Acq On : 5 Feb 2018 11:31
 Operator : SJ/JU
 Sample : J1014-03 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
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Naphthalene, 1,6-...	9.50	4.5	ng	405851	3	9.92	1785440	20.0
unknown10.83	10.83	4.9	ng	379749	4	11.40	1550200	20.0
9H-Fluorene, 2-me...	11.01	4.9	ng	376992	4	11.40	1550200	20.0
Dibenzothiophene	11.30	6.4	ng	494622	4	11.40	1550200	20.0
Phenanthrene, 2-m...	11.90	9.7	ng	753820	4	11.40	1550200	20.0
Anthracene, 2-met...	11.98	5.0	ng	387367	4	11.40	1550200	20.0
4H-Cyclopenta[def...	12.02	18.8	ng	1459640	4	11.40	1550200	20.0
Anthracene, 1-met...	12.04	4.9	ng	382699	4	11.40	1550200	20.0
Naphthalene, 2-ph...	12.20	6.0	ng	463921	4	11.40	1550200	20.0
Phenanthrene, 2,5...	12.46	8.6	ng	666038	4	11.40	1550200	20.0
unknown12.49	12.49	5.7	ng	440997	4	11.40	1550200	20.0
Cyclopenta(def)ph...	12.54	5.2	ng	401718	4	11.40	1550200	20.0
Fluoranthene, 2-m...	13.17	4.9	ng	1039230	5	14.05	4207390	20.0