

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105005.D
 Acq On : 2 May 2018 2:26
 Operator : JU/SJ
 Sample : J2453-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

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-BF040618.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	5.404	559	564	567	rBV	2231716	2180819	31.80%	2.140%
2	6.434	733	739	751	rBV	2099061	2333397	34.02%	2.289%
3	6.563	756	761	764	rBV	2440171	2390636	34.86%	2.346%
4	6.787	796	799	805	rBV	953014	755335	11.01%	0.741%
5	6.945	821	826	829	rBV	2152016	1937218	28.25%	1.901%
6	7.357	891	896	899	rBV	1545675	1496304	21.82%	1.468%
7	8.075	1014	1018	1019	rBV	1191605	1025342	14.95%	1.006%
8	8.092	1019	1021	1025	rVV	1225397	1072363	15.64%	1.052%
9	8.787	1135	1139	1145	rBV	842118	676434	9.86%	0.664%
10	8.887	1152	1156	1163	rVB	652711	553911	8.08%	0.543%
11	9.151	1192	1201	1204	rBV	2965318	2706571	39.47%	2.655%
12	9.251	1215	1218	1223	rVB	218502	212777	3.10%	0.209%
13	9.416	1241	1246	1250	rBV	258699	345062	5.03%	0.339%
14	9.486	1254	1258	1260	rBV	452498	452564	6.60%	0.444%
15	9.510	1260	1262	1265	rVV	272283	266915	3.89%	0.262%
16	9.545	1265	1268	1273	rVB	304214	273345	3.99%	0.268%
17	9.604	1273	1278	1283	rBV2	244225	282736	4.12%	0.277%
18	9.810	1307	1313	1314	rBV	198880	206383	3.01%	0.202%
19	9.828	1314	1316	1319	rVV	1249058	1190260	17.36%	1.168%
20	9.863	1319	1322	1325	rVV	1449541	1158743	16.90%	1.137%
21	10.034	1347	1351	1355	rVV	1230385	1150263	16.77%	1.129%
22	10.381	1406	1410	1415	rBV	1701732	1482768	21.62%	1.455%
23	10.463	1422	1424	1427	rVV2	297426	273827	3.99%	0.269%
24	10.533	1434	1436	1441	rVB	457053	405321	5.91%	0.398%
25	10.628	1447	1452	1455	rBV	1829357	1940294	28.29%	1.904%
26	10.928	1496	1503	1506	rBV3	440630	584874	8.53%	0.574%
27	11.057	1519	1525	1526	rVV2	220730	288062	4.20%	0.283%
28	11.075	1526	1528	1530	rVV3	251811	246338	3.59%	0.242%
29	11.133	1534	1538	1541	rVV	541751	525998	7.67%	0.516%
30	11.175	1541	1545	1548	rVV2	302150	410896	5.99%	0.403%
31	11.216	1549	1552	1558	rVB	748145	746113	10.88%	0.732%
32	11.328	1566	1571	1572	rBV	918444	1001573	14.60%	0.983%
33	11.369	1572	1578	1580	rVV	4468822	6858101	100.00%	6.729%
34	11.410	1580	1585	1587	rVV	2303856	2240980	32.68%	2.199%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.433	1587	1589	1592	rVV	301433	265636	3.87%	0.261%
36	11.563	1605	1611	1616	rBV2	1126128	1364043	19.89%	1.338%
37	11.616	1617	1620	1624	rVV3	259574	285463	4.16%	0.280%
38	11.657	1624	1627	1631	rVB3	276123	321496	4.69%	0.315%
39	11.828	1651	1656	1658	rVV	1225891	1184415	17.27%	1.162%
40	11.857	1658	1661	1664	rVB	1722125	1491988	21.76%	1.464%
41	11.904	1664	1669	1672	rBV	685830	619734	9.04%	0.608%
42	11.939	1672	1675	1678	rVV2	1592376	1997730	29.13%	1.960%
43	11.963	1678	1679	1684	rVB	925037	492298	7.18%	0.483%
44	12.010	1684	1687	1689	rBV2	230983	226367	3.30%	0.222%
45	12.122	1703	1706	1709	rVV	907681	830098	12.10%	0.814%
46	12.157	1709	1712	1716	rVV	867742	758154	11.05%	0.744%
47	12.269	1728	1731	1735	rBV2	243667	230060	3.35%	0.226%
48	12.327	1739	1741	1744	rVB2	252349	215896	3.15%	0.212%
49	12.380	1746	1750	1752	rBV	562522	604573	8.82%	0.593%
50	12.422	1752	1757	1759	rVV3	387894	575139	8.39%	0.564%
51	12.480	1762	1767	1770	rVB2	378438	539520	7.87%	0.529%
52	12.563	1774	1781	1783	rVV	4150275	5999502	87.48%	5.886%
53	12.610	1786	1789	1792	rVB	234985	240599	3.51%	0.236%
54	12.692	1798	1803	1806	rBV2	463469	525335	7.66%	0.515%
55	12.792	1812	1820	1823	rBV2	3873035	6473739	94.40%	6.352%
56	12.822	1823	1825	1829	rVB2	521080	479895	7.00%	0.471%
57	12.916	1829	1841	1843	rBV2	2107640	2726045	39.75%	2.675%
58	12.933	1843	1844	1848	rVB	433252	351889	5.13%	0.345%
59	12.998	1849	1855	1858	rBV2	507304	922351	13.45%	0.905%
60	13.080	1865	1869	1871	rBV2	415095	615281	8.97%	0.604%
61	13.104	1871	1873	1876	rVB	1040625	955118	13.93%	0.937%
62	13.169	1881	1884	1887	rBV	708053	682850	9.96%	0.670%
63	13.210	1887	1891	1894	rVV2	690163	849603	12.39%	0.834%
64	13.304	1903	1907	1909	rBV	382749	327440	4.77%	0.321%
65	13.333	1909	1912	1916	rBV2	394355	413952	6.04%	0.406%
66	13.627	1959	1962	1966	rVB	565929	508027	7.41%	0.498%
67	13.739	1976	1981	1983	rBV	621377	661362	9.64%	0.649%
68	13.769	1983	1986	1988	rVB	561221	494577	7.21%	0.485%
69	13.792	1988	1990	1992	rBV	378383	373259	5.44%	0.366%
70	13.851	1997	2000	2003	rVV	494156	510328	7.44%	0.501%
71	13.916	2006	2011	2018	rBV	179367	331286	4.83%	0.325%

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72	14.004	2018	2026	2030	rBV2	2510309	4786806	69.80%	4.696%
73	14.045	2030	2033	2036	rVV	2589909	2621181	38.22%	2.572%
74	14.121	2043	2046	2049	rVV	477678	453981	6.62%	0.445%
75	14.163	2050	2053	2056	rVV2	220550	316213	4.61%	0.310%
76	14.216	2059	2062	2063	rVV	258607	246489	3.59%	0.242%
77	14.251	2063	2068	2071	rVV2	349110	486166	7.09%	0.477%
78	14.380	2087	2090	2092	rBV	279167	274939	4.01%	0.270%
79	14.421	2092	2097	2100	rVV	684290	763308	11.13%	0.749%
80	14.457	2100	2103	2107	rVV	350253	351479	5.13%	0.345%
81	14.510	2107	2112	2113	rVV2	184133	286163	4.17%	0.281%
82	14.557	2117	2120	2122	rVV2	287307	278877	4.07%	0.274%
83	14.580	2122	2124	2127	rVB	324106	263967	3.85%	0.259%
84	14.633	2131	2133	2139	rVB2	219552	248732	3.63%	0.244%
85	14.763	2149	2155	2165	rBV6	236219	597243	8.71%	0.586%
86	14.951	2183	2187	2190	rBV2	245756	290819	4.24%	0.285%
87	15.121	2209	2216	2218	rBV	1731036	3024662	44.10%	2.968%
88	15.145	2218	2220	2223	rVB	1166918	977261	14.25%	0.959%
89	15.216	2229	2232	2236	rVB	451020	493814	7.20%	0.484%
90	15.421	2261	2267	2273	rVB	1045808	1585424	23.12%	1.555%
91	15.492	2273	2279	2282	rBV	1567225	2149281	31.34%	2.109%
92	15.545	2284	2288	2290	rVV	569515	703605	10.26%	0.690%
93	15.574	2290	2293	2299	rVB2	499584	730136	10.65%	0.716%
94	15.763	2320	2325	2330	rVB5	123486	247912	3.61%	0.243%
95	16.821	2499	2505	2509	rBV2	109231	218409	3.18%	0.214%
96	17.033	2533	2541	2547	rBV	669664	1333473	19.44%	1.308%
97	17.192	2562	2568	2573	rBV	161520	342367	4.99%	0.336%
98	17.251	2574	2578	2583	rVV2	123433	216932	3.16%	0.213%
99	17.480	2609	2617	2626	rVB	505883	1034798	15.09%	1.015%
100	17.709	2650	2656	2670	rVB2	168113	481983	7.03%	0.473%

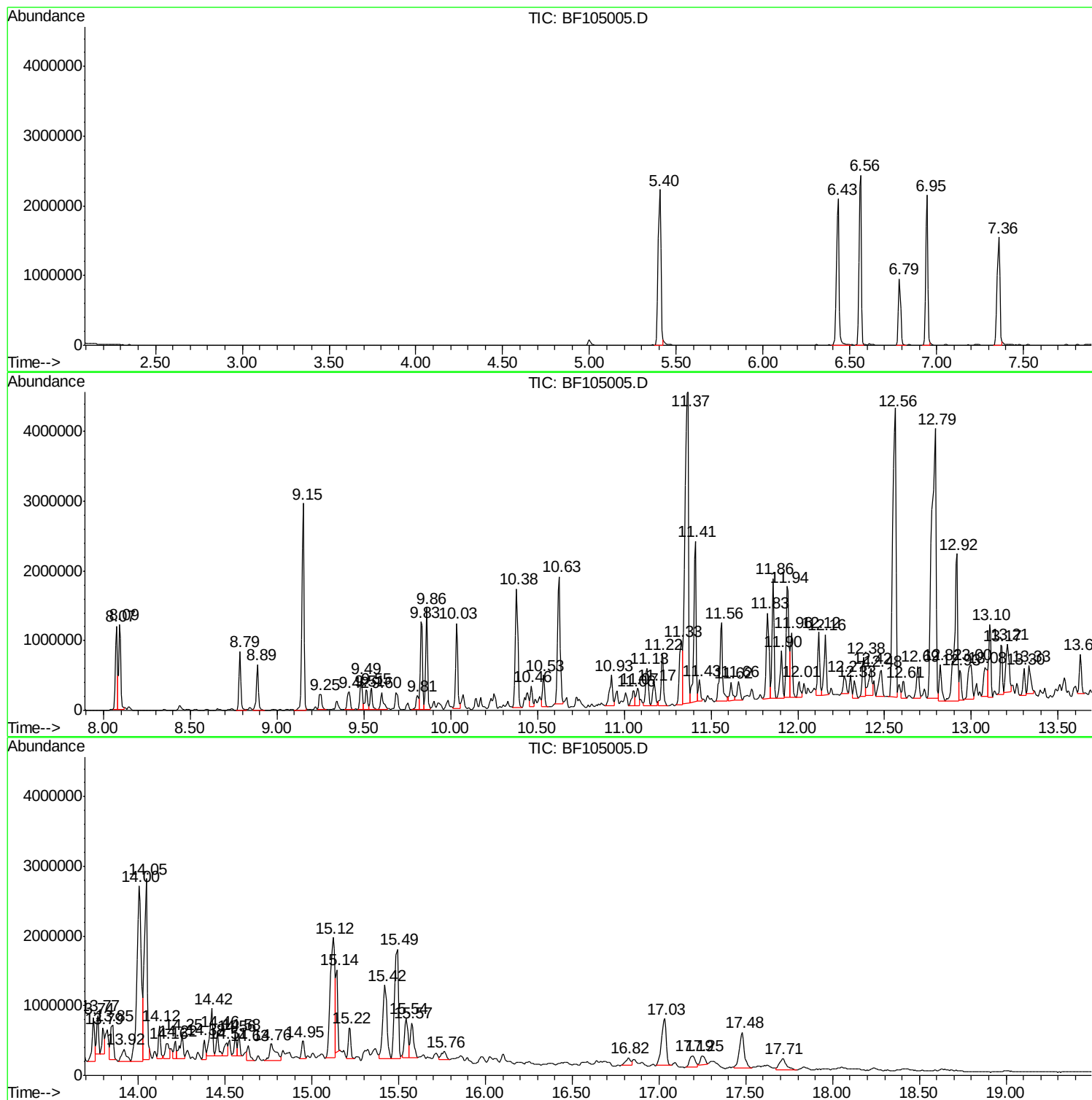
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Instrument :
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ClientSampled :
T-14 1.5-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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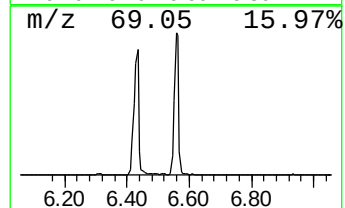
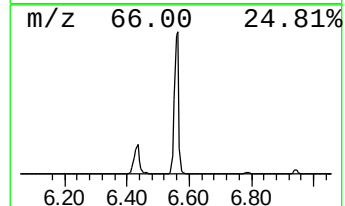
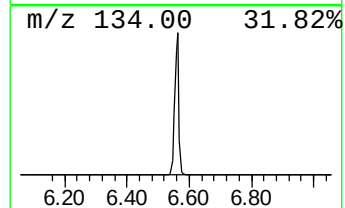
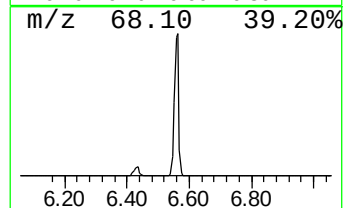
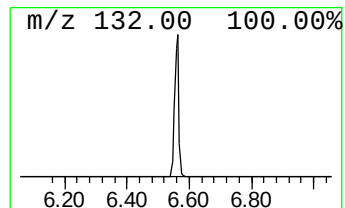
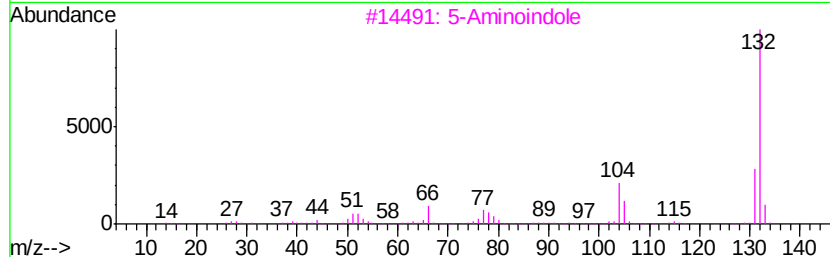
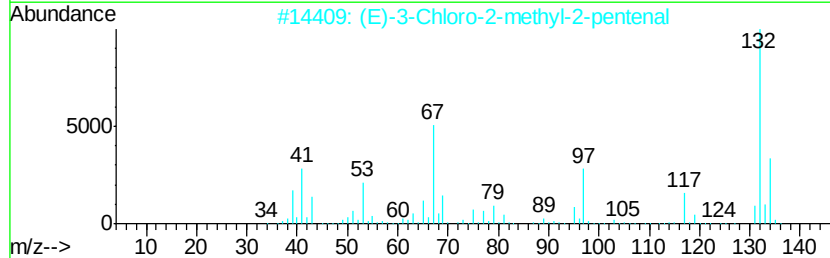
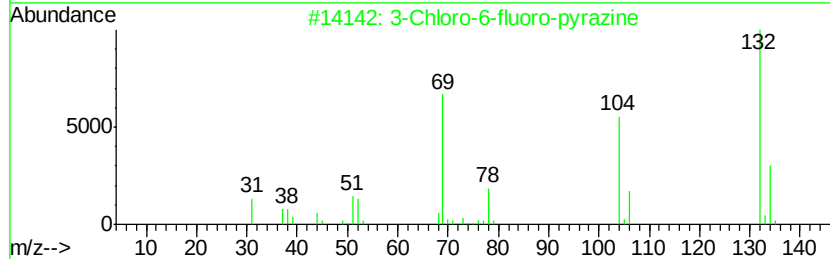
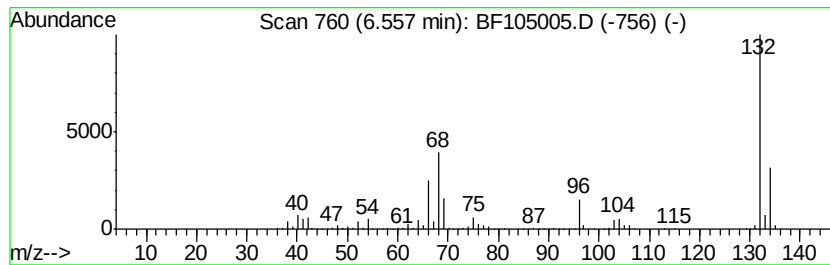
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	63.30 ng	2390640	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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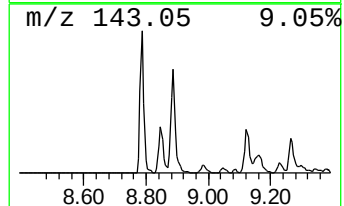
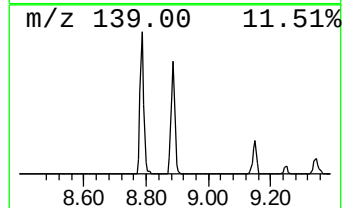
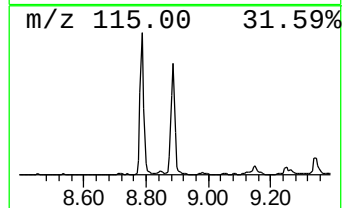
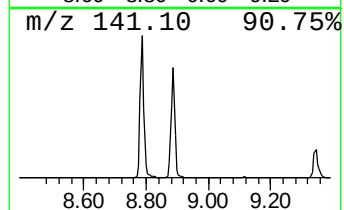
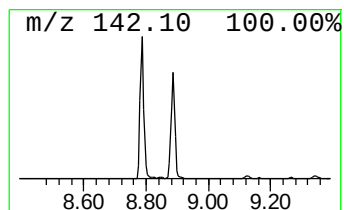
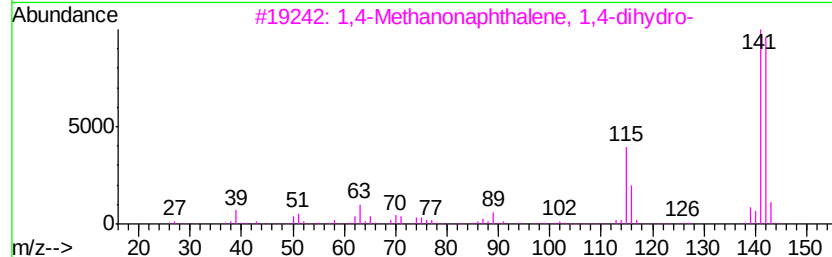
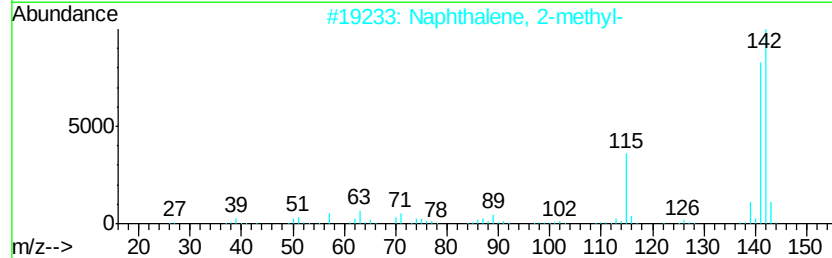
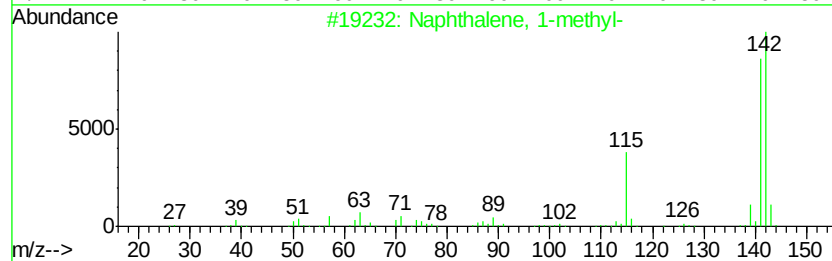
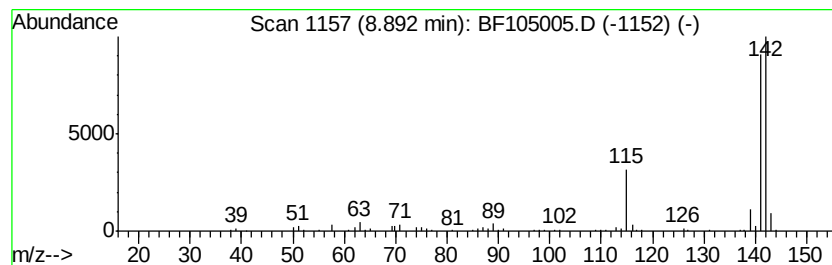
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	10.80 ng	553911	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72



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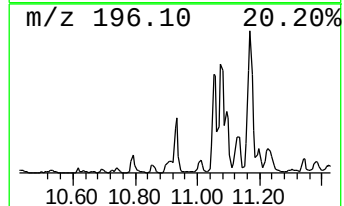
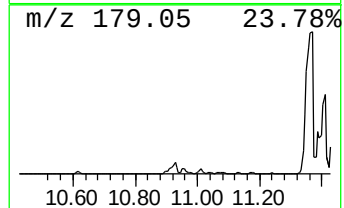
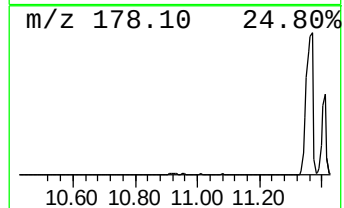
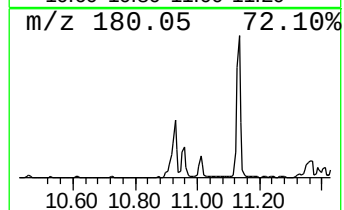
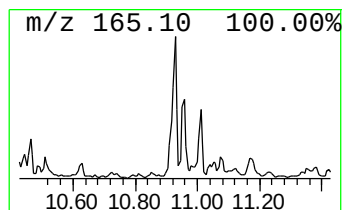
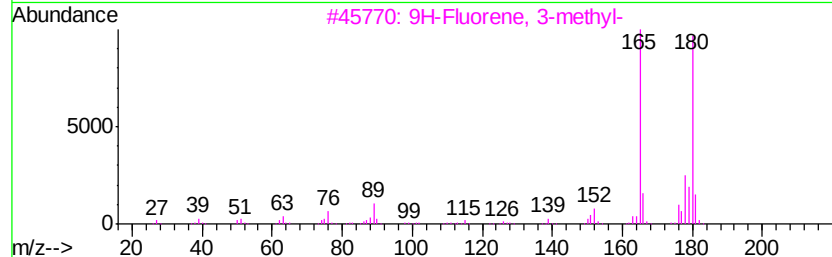
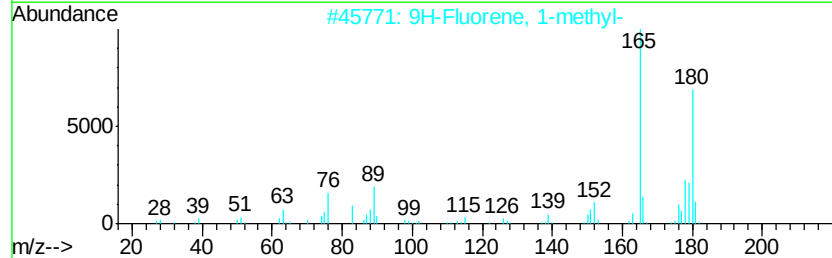
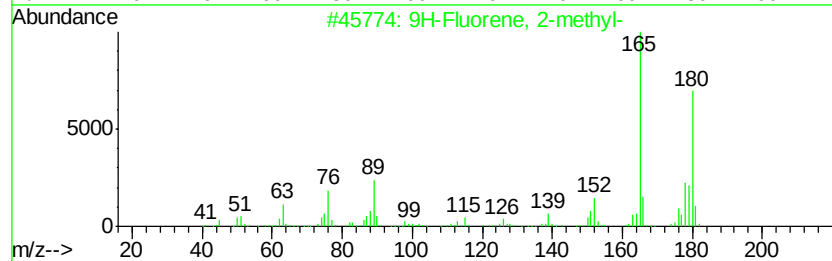
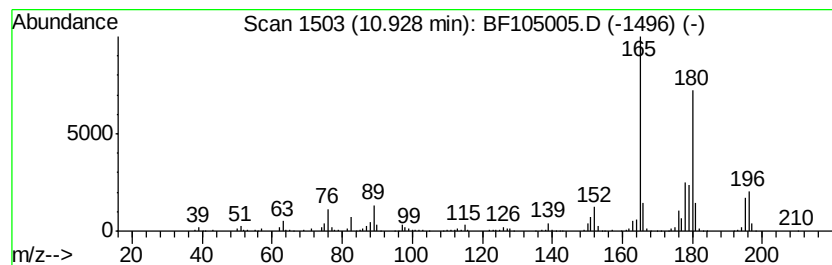
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TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	11.68 ng	584874	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86



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Data File : BF105005.D
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Operator : JU/SJ
Sample : J2453-16
Misc :
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Instrument :
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ClientSampleId :
T-14 1.5-2.0

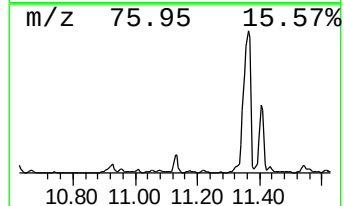
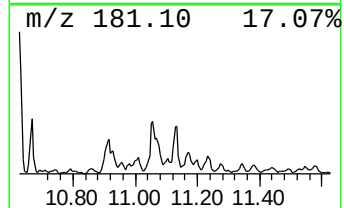
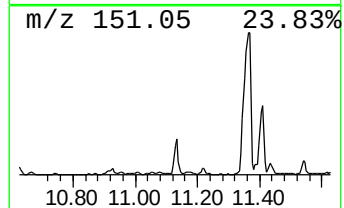
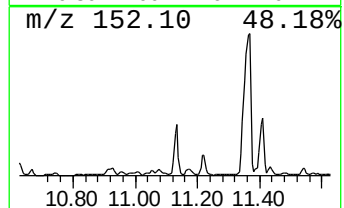
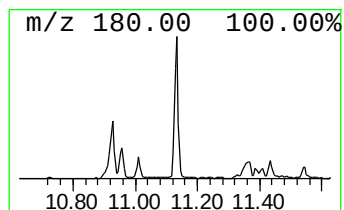
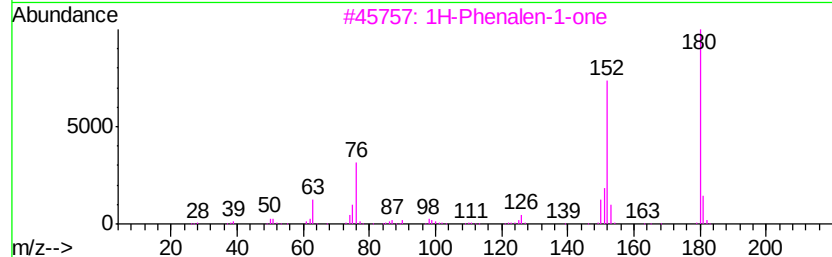
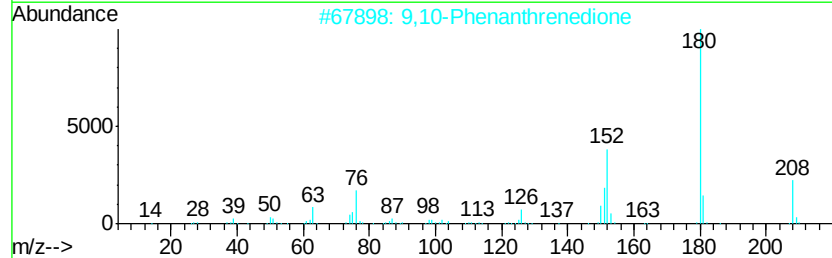
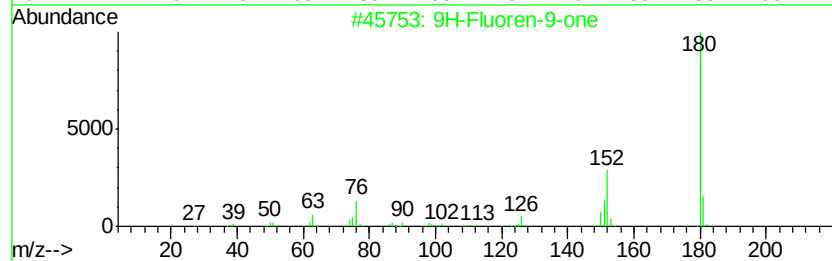
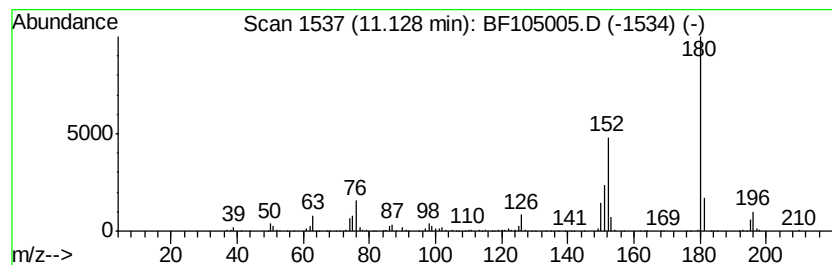
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	10.50 ng	525998	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5		5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2O5	089976-68-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
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ClientSampled :
T-14 1.5-2.0

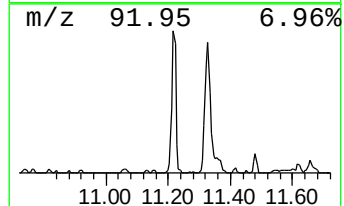
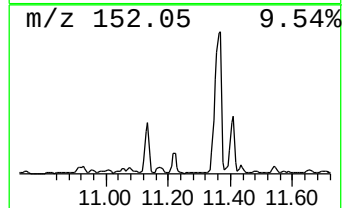
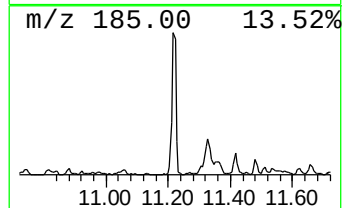
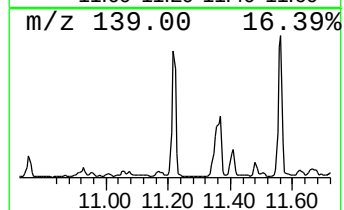
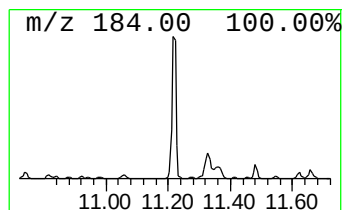
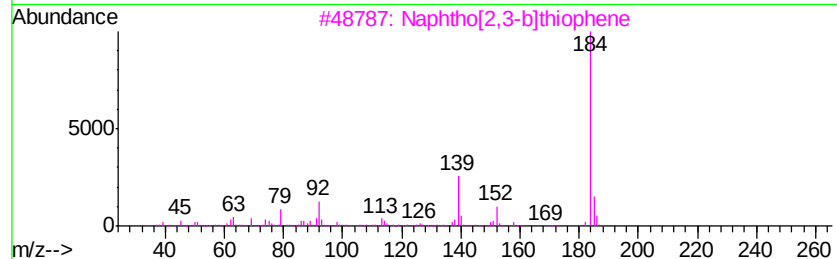
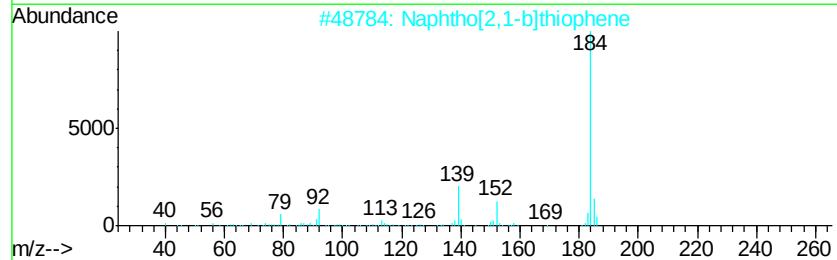
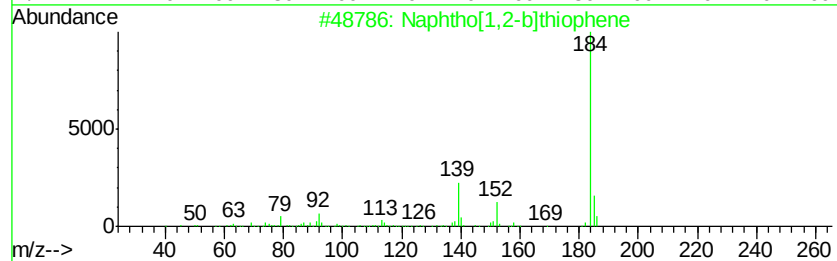
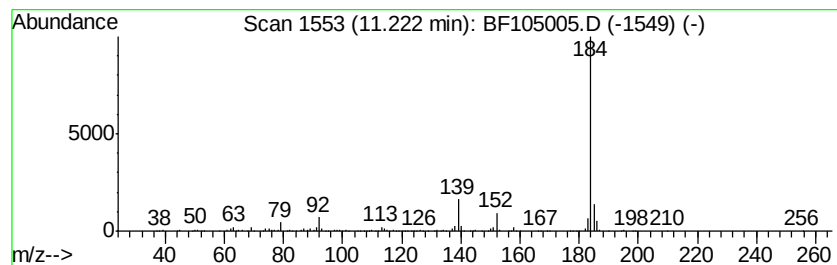
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	14.90 ng	746113	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4		Dibenzothiophene	184	C12H8S	000132-65-0	96
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
Sample : J2453-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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T-14 1.5-2.0

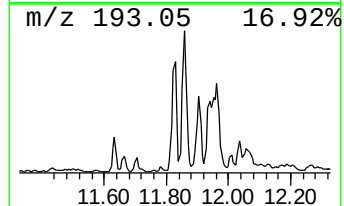
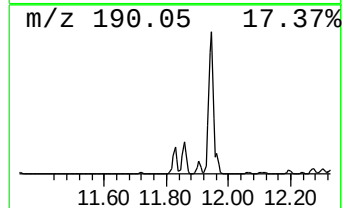
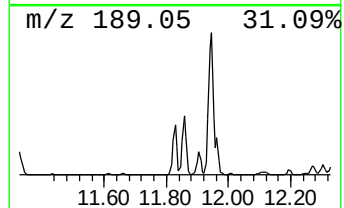
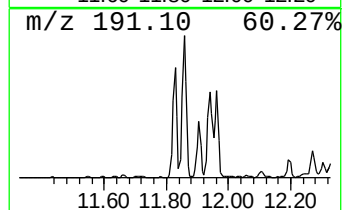
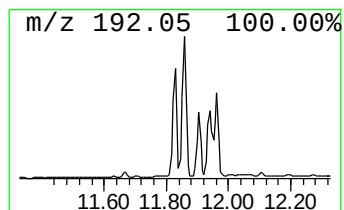
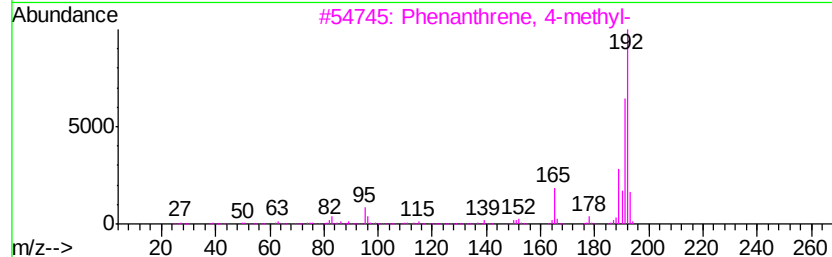
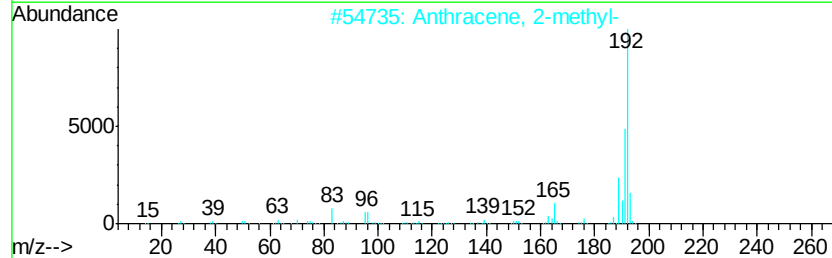
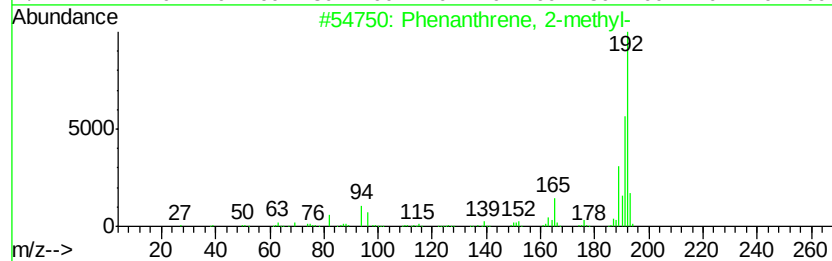
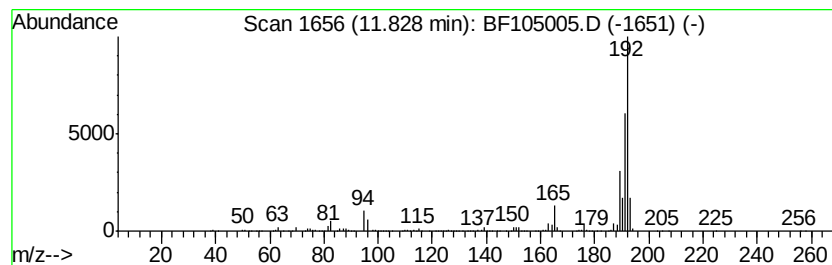
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	23.65 ng	1184420	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
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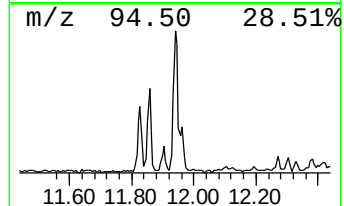
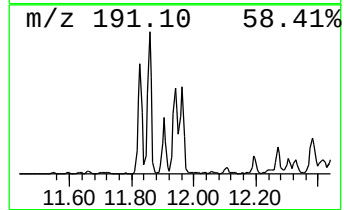
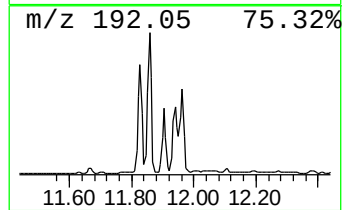
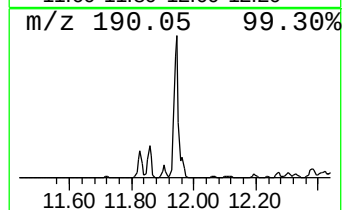
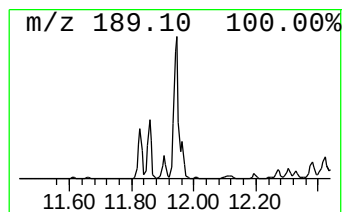
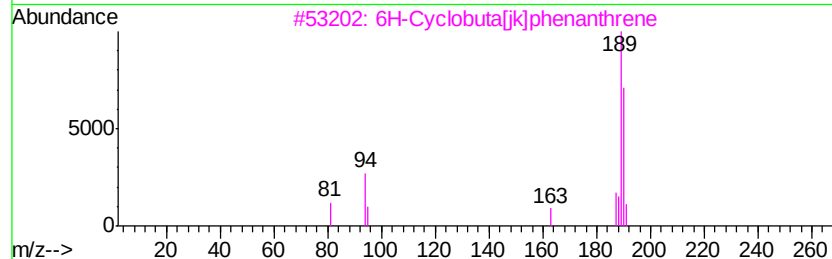
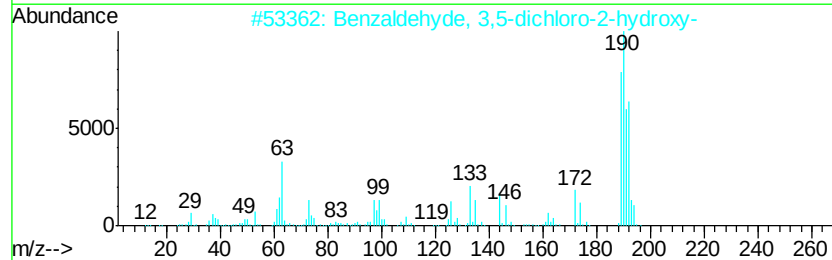
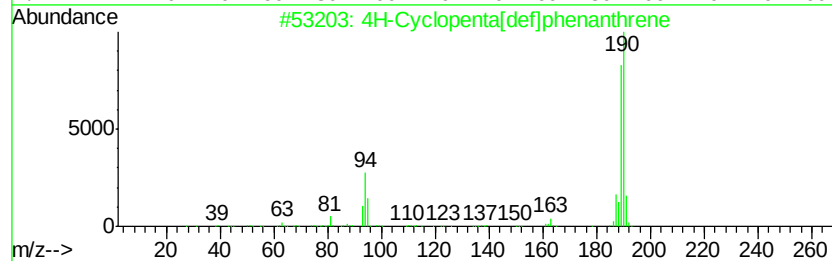
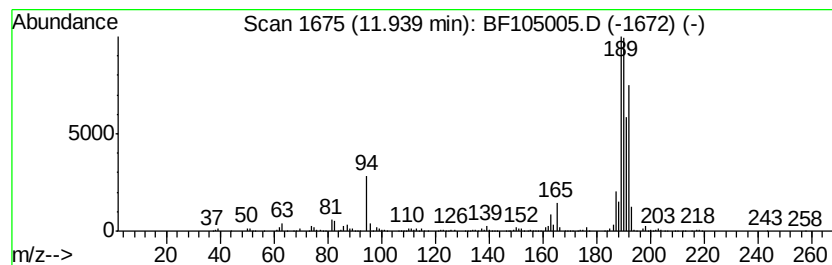
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ClientSampleId :
T-14 1.5-2.0

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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 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	39.89 ng	1997730	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
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T-14 1.5-2.0

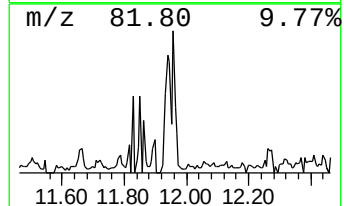
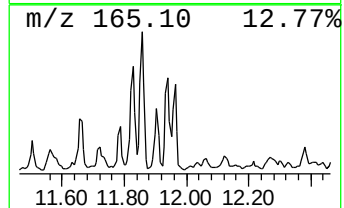
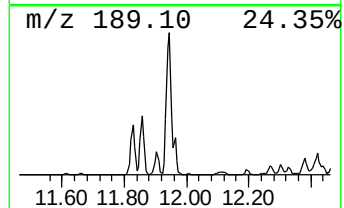
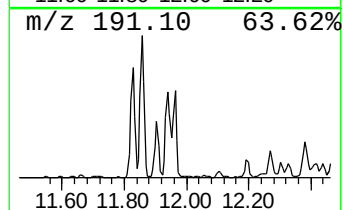
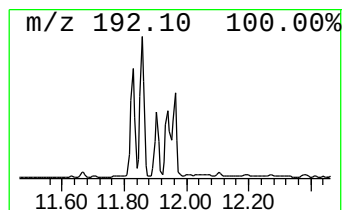
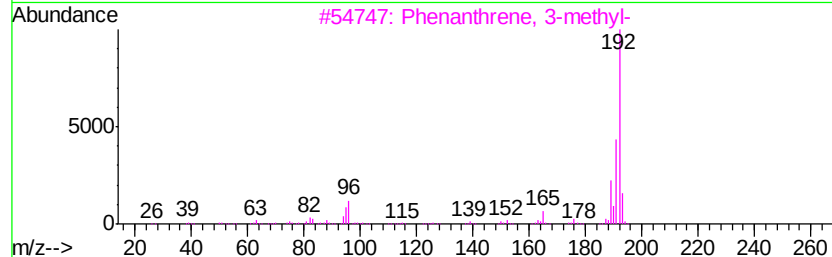
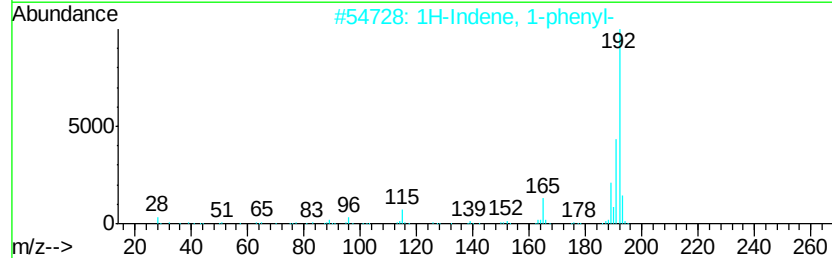
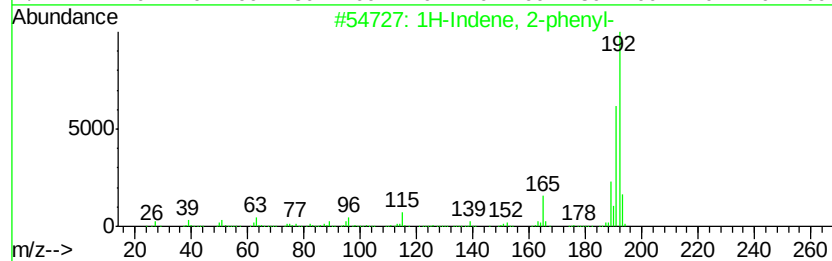
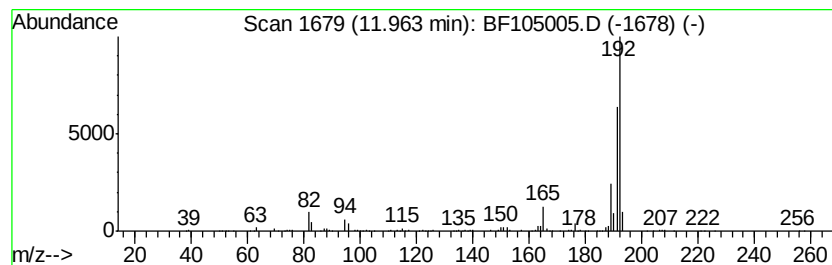
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	9.83 ng	492298	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
2			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76
3			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
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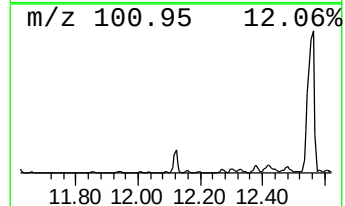
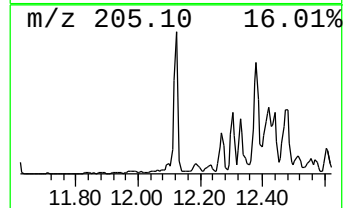
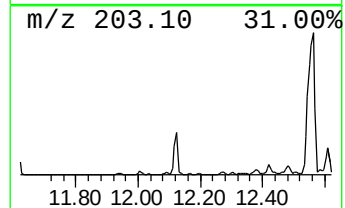
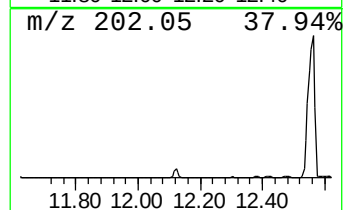
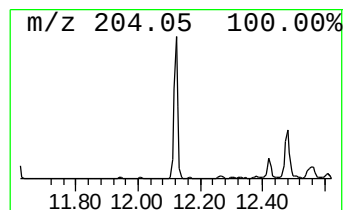
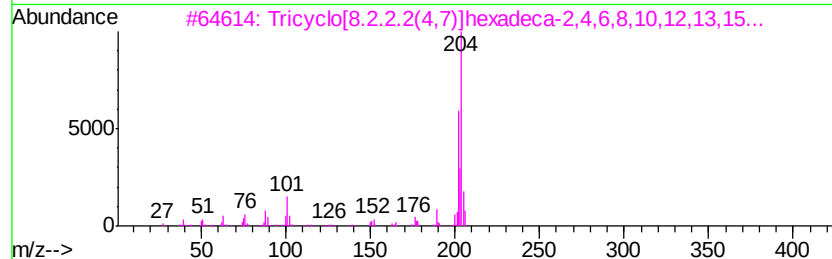
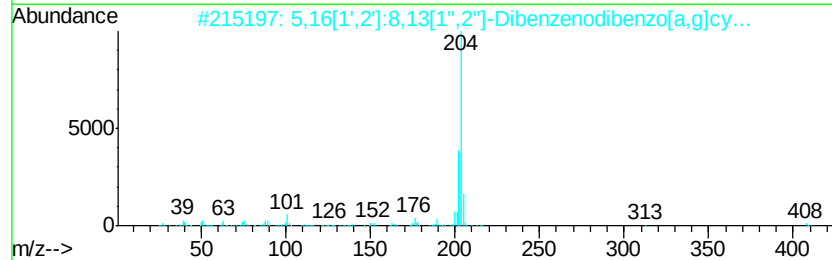
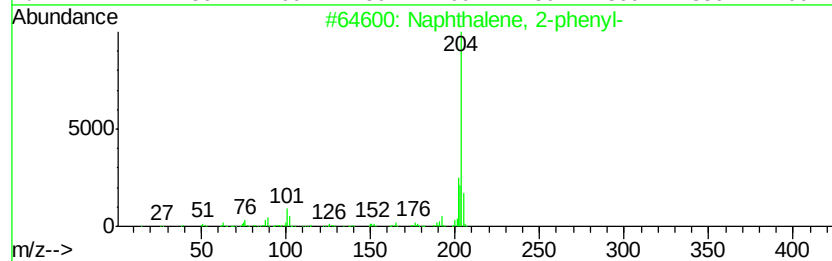
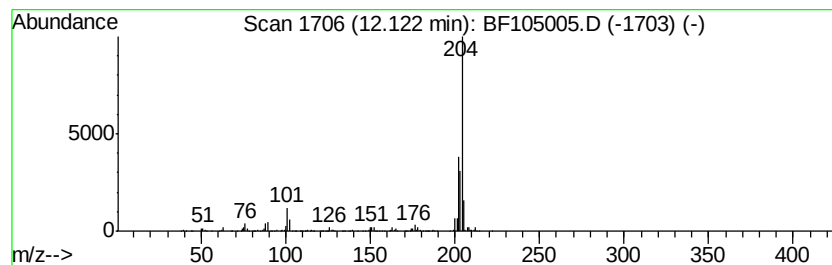
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	16.58 ng	830098	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
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ClientSampleId :
T-14 1.5-2.0

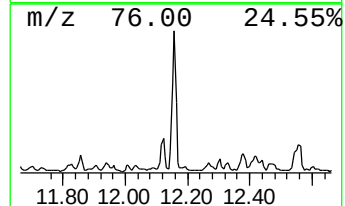
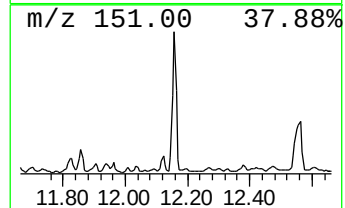
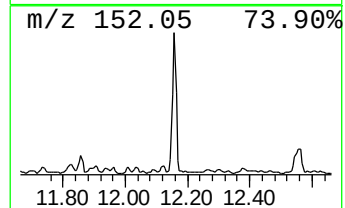
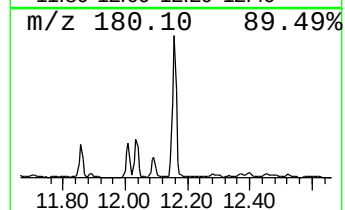
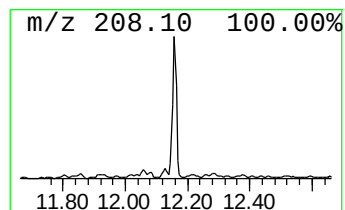
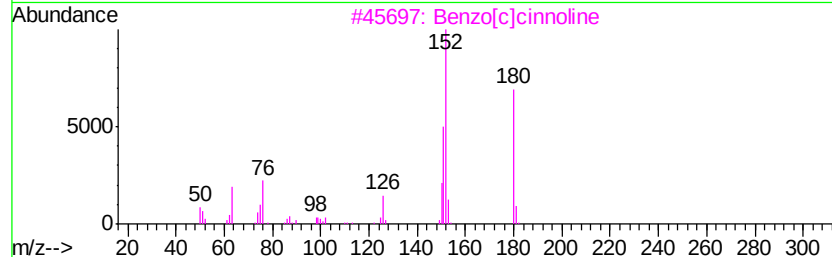
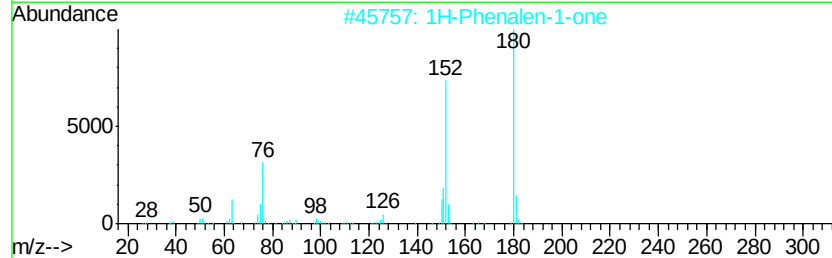
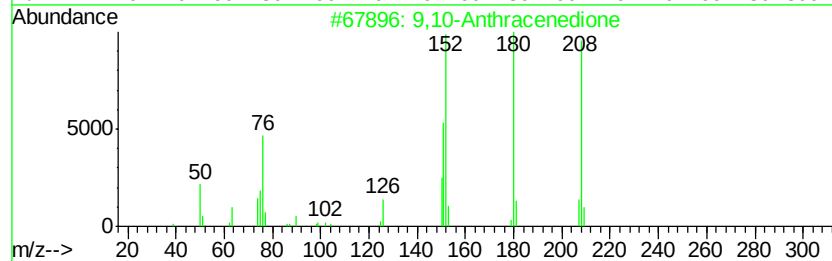
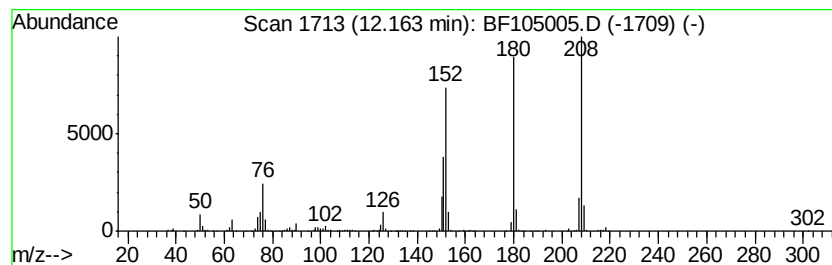
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	15.14 ng	758154	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
Sample : J2453-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
T-14 1.5-2.0

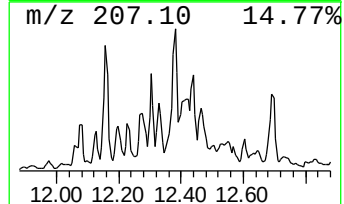
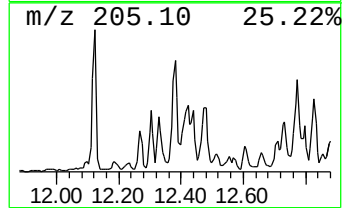
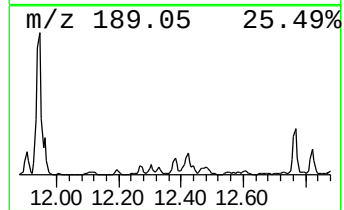
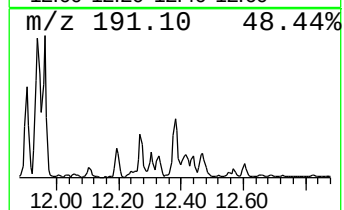
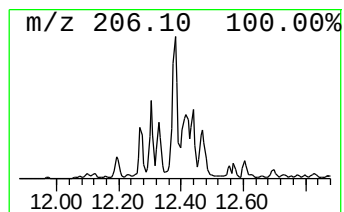
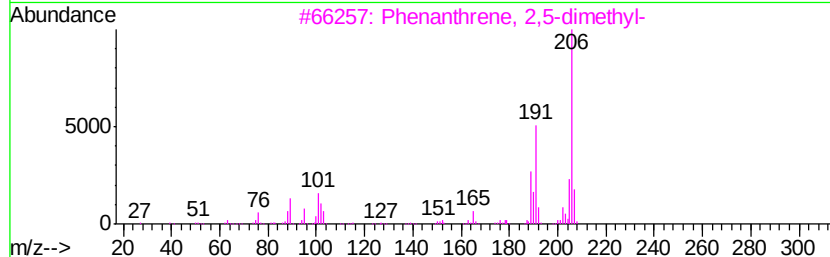
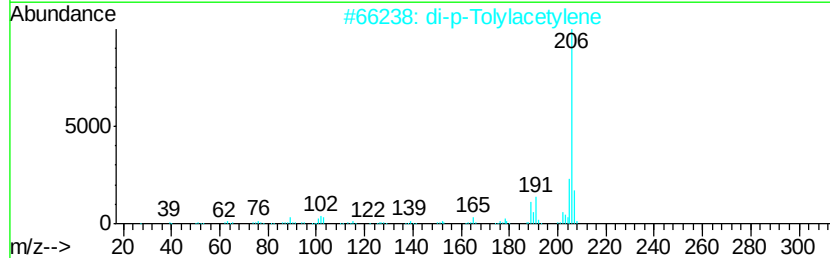
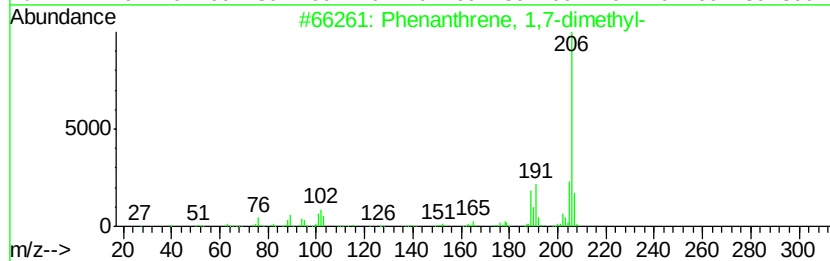
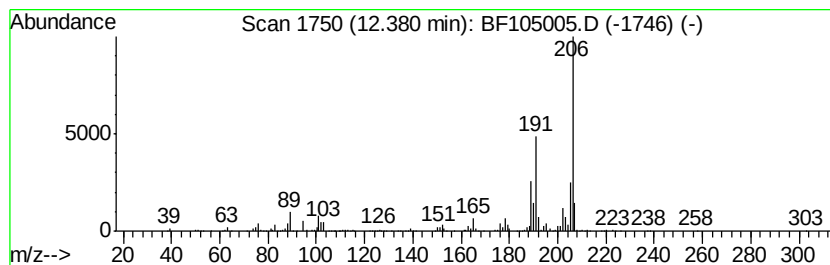
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	12.07 ng	604573	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
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Acq On : 2 May 2018 2:26
Operator : JU/SJ
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Instrument :
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ClientSampleId :
T-14 1.5-2.0

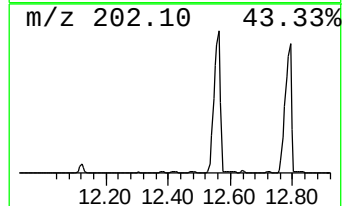
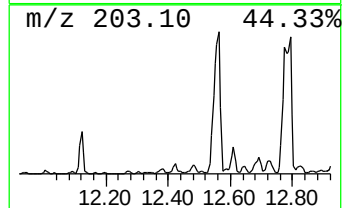
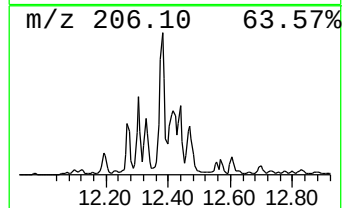
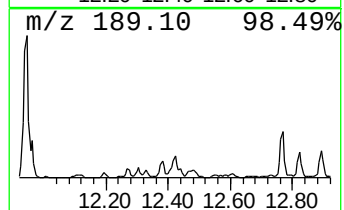
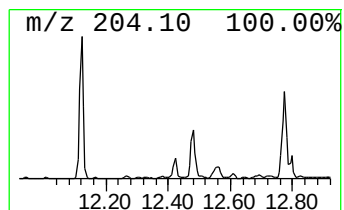
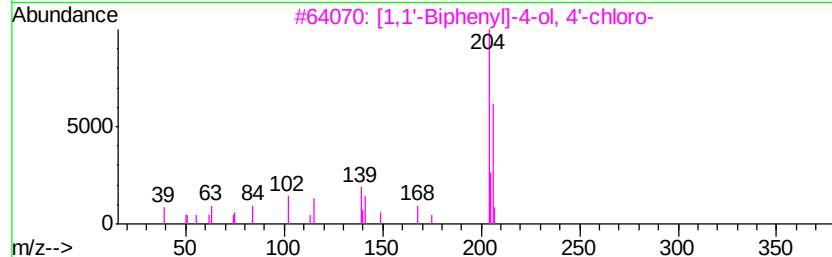
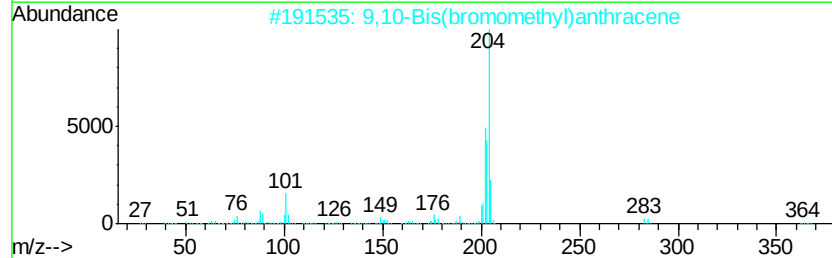
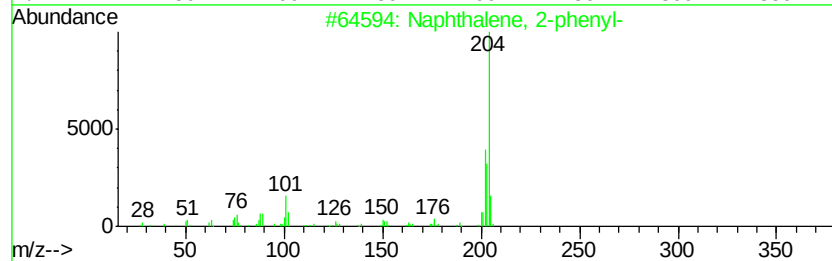
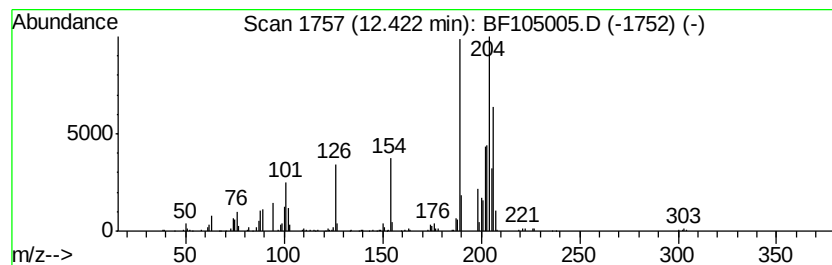
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.42 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	11.48 ng	575139	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	25
5		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
Sample : J2453-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
T-14 1.5-2.0

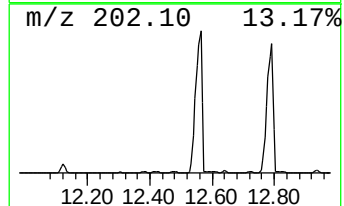
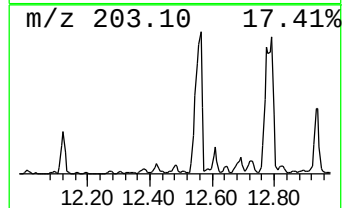
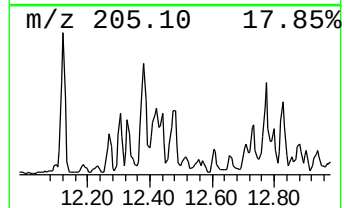
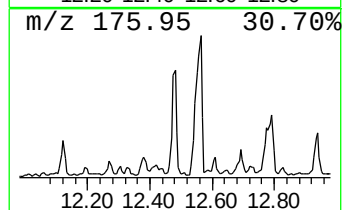
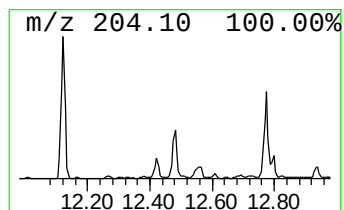
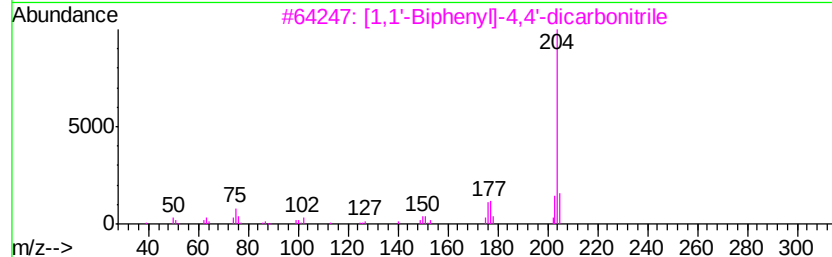
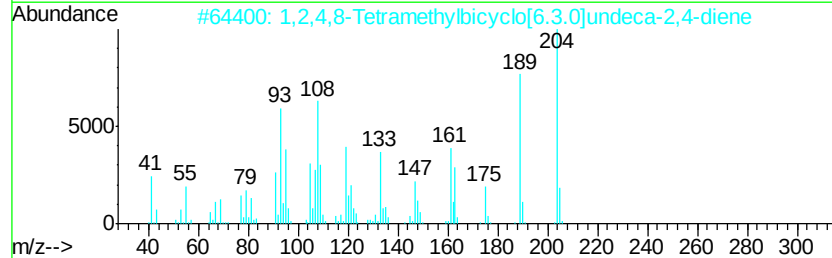
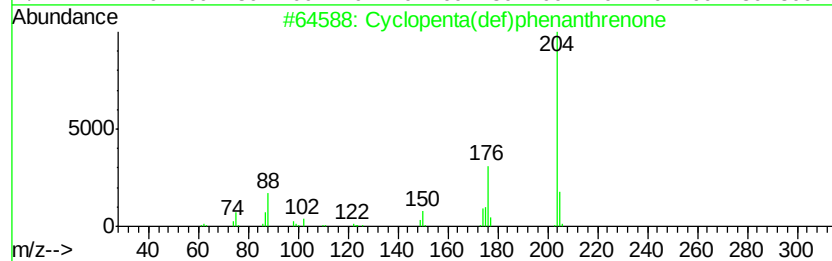
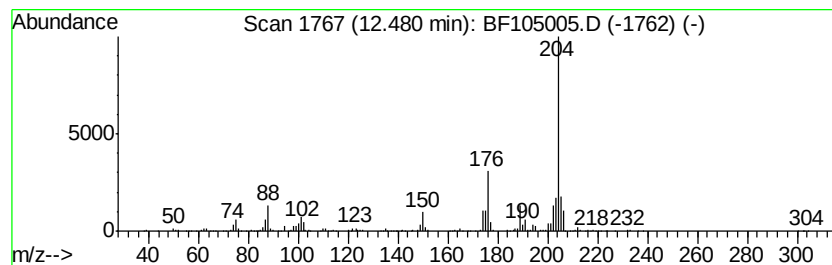
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	10.77 ng	539520	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
5		Ethanone, 1-[5-[(5-methyl-2-fura...	204	C12H12O3	052805-85-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
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Misc :
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Instrument :
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ClientSampleId :
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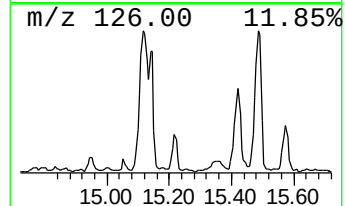
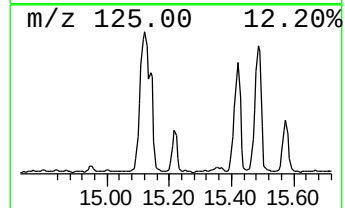
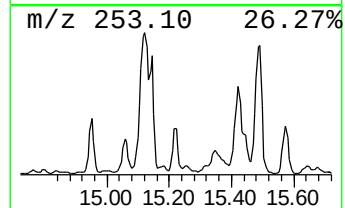
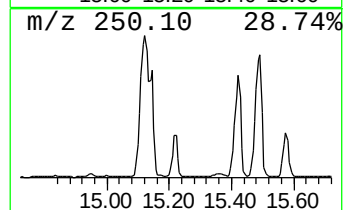
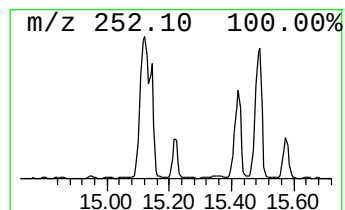
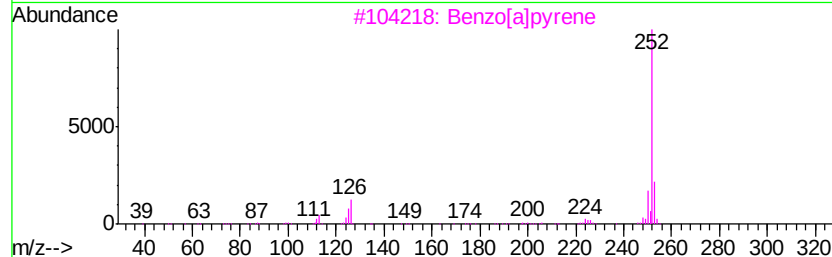
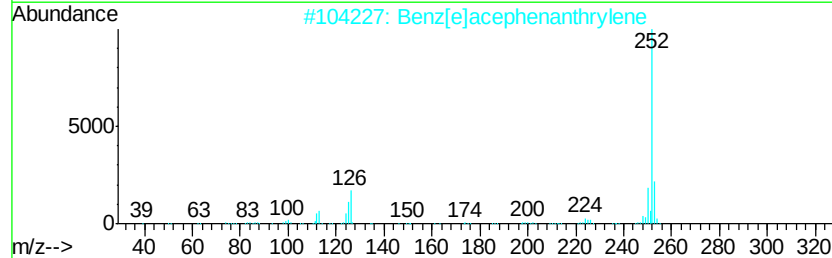
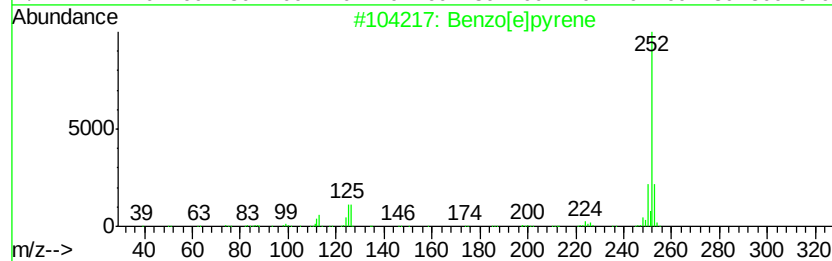
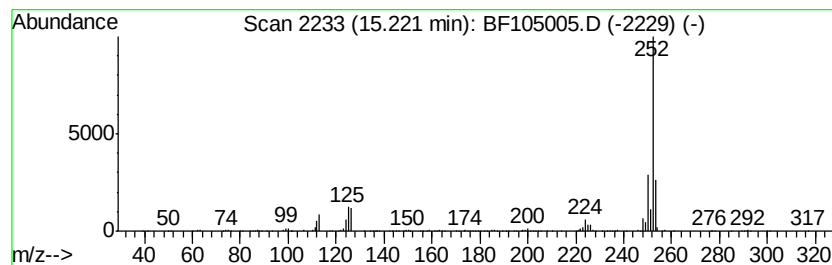
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	14.04 ng	493814	Perylene-d12	15.54

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3			Benzo[a]pyrene	252	C20H12	000050-32-8	95
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
Sample : J2453-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
T-14 1.5-2.0

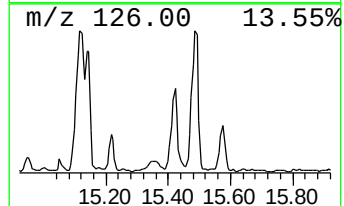
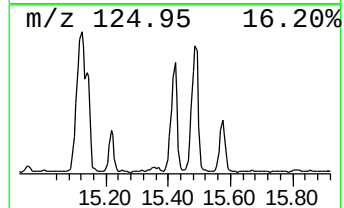
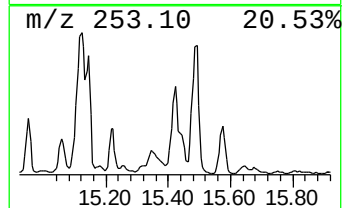
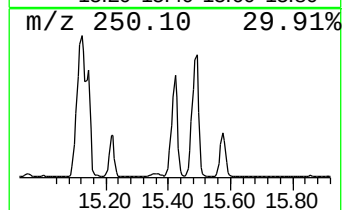
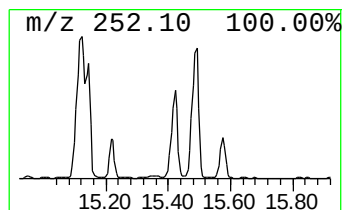
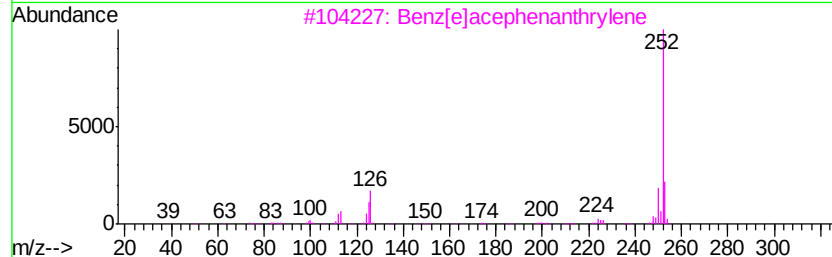
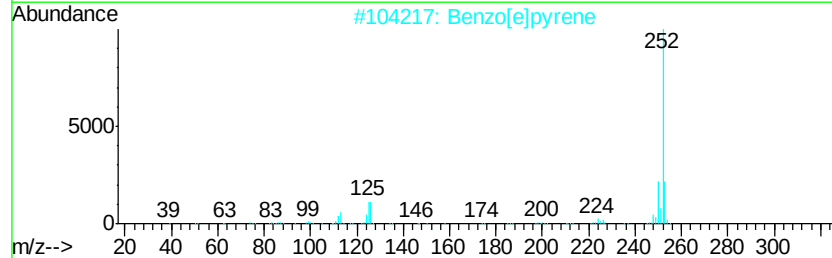
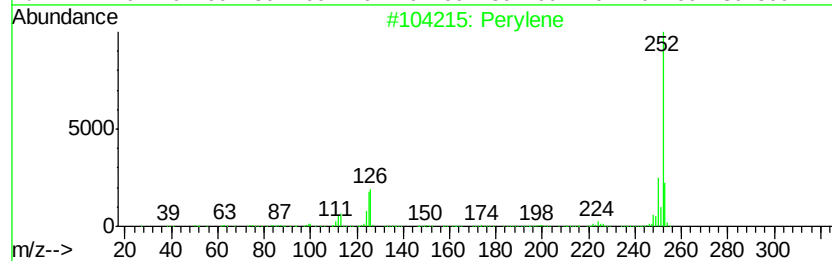
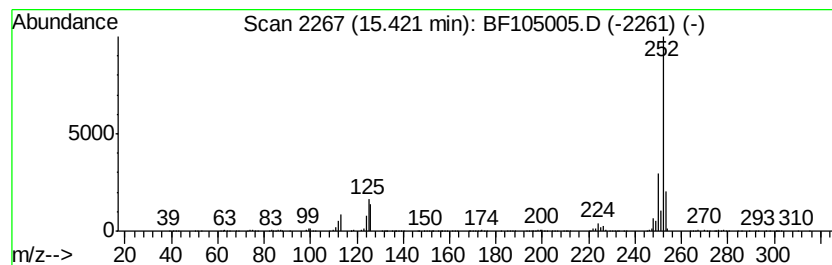
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	45.07 ng	1585420	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
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ClientSampleId :
T-14 1.5-2.0

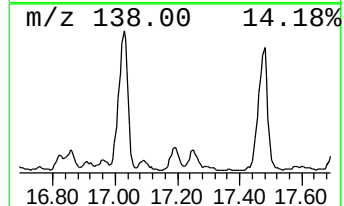
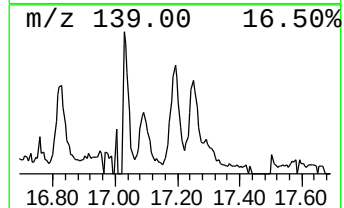
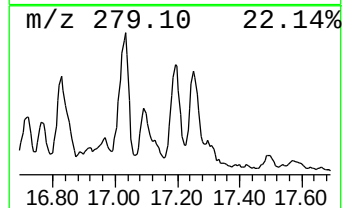
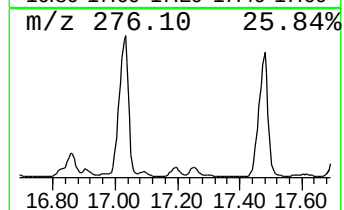
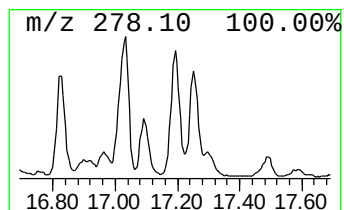
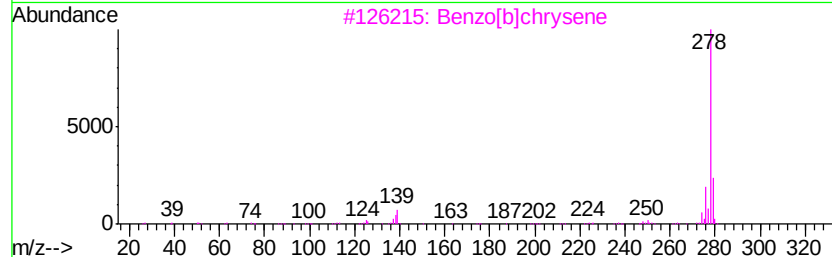
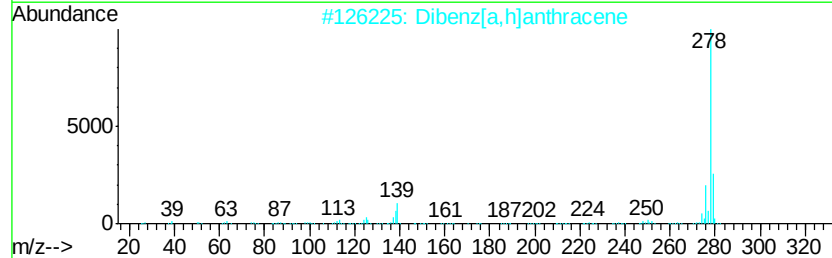
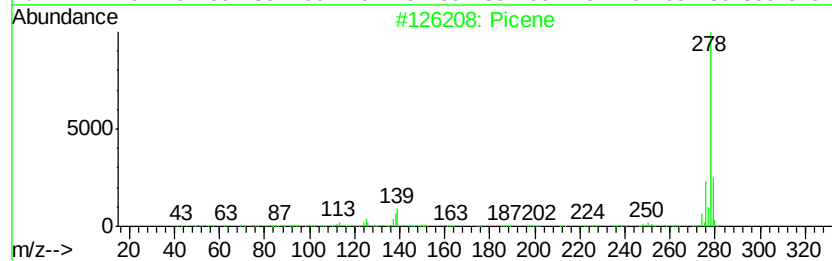
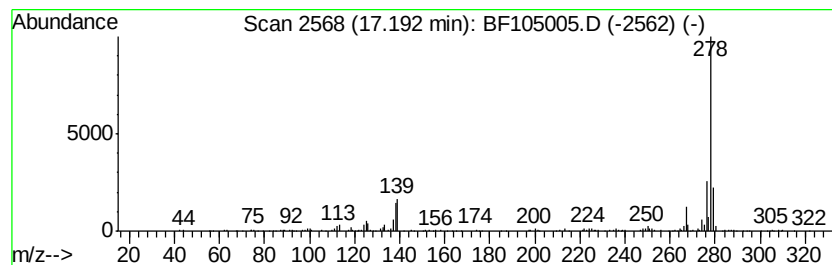
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	9.73 ng	342367	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Benzo[b]chrysene	278	C22H14	000214-17-5	95
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	95
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
T-14 1.5-2.0

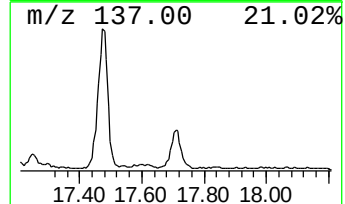
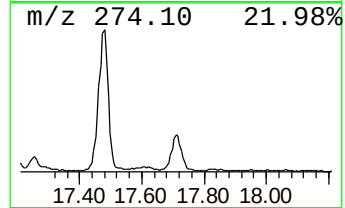
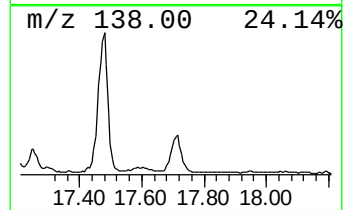
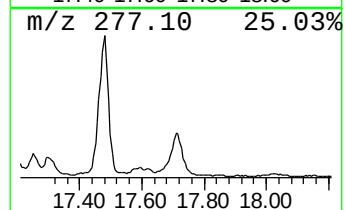
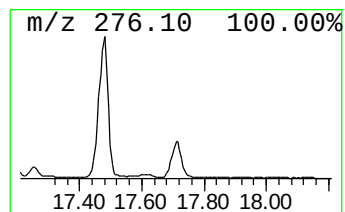
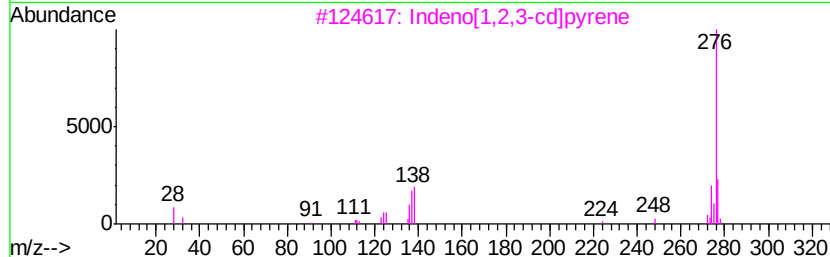
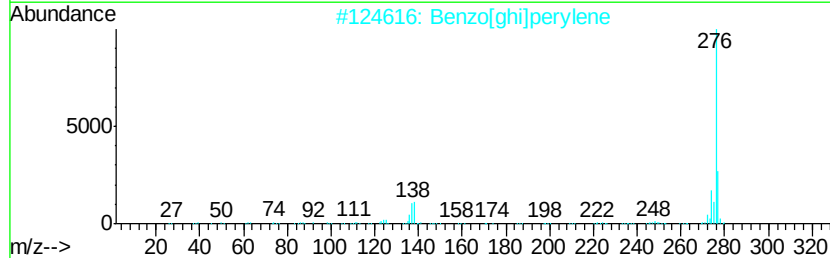
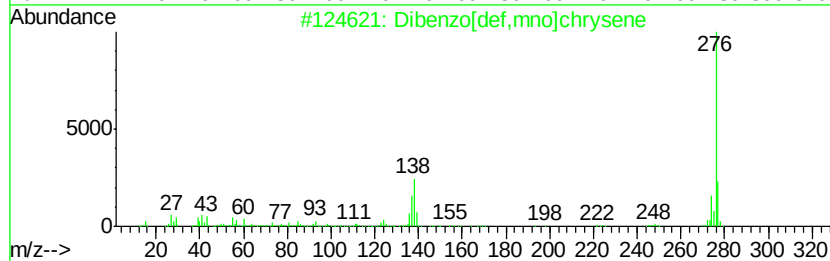
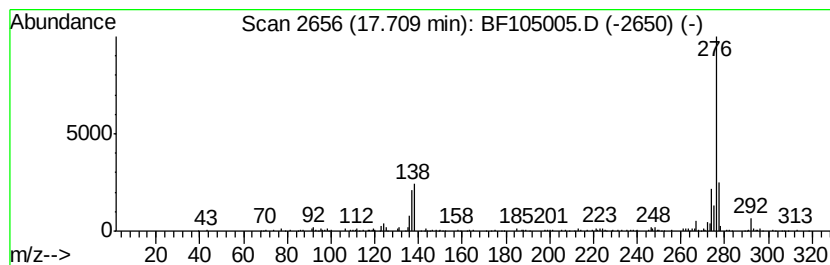
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	13.70 ng	481983	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	98
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105005.D
 Acq On : 2 May 2018 2:26
 Operator : JU/SJ
 Sample : J2453-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
unknown6.56	6.56	63.3	ng	2390640	1	6.79	755335	20.0
Naphthalene, 1-me...	8.89	10.8	ng	553911	2	8.07	1025340	20.0
9H-Fluorene, 2-me...	10.93	11.7	ng	584874	4	11.33	1001570	20.0
9H-Fluoren-9-one	11.13	10.5	ng	525998	4	11.33	1001570	20.0
Naphtho[1,2-b]thi...	11.22	14.9	ng	746113	4	11.33	1001570	20.0
Phenanthrene, 2-m...	11.83	23.6	ng	1184420	4	11.33	1001570	20.0
4H-Cyclopenta[def...	11.94	39.9	ng	1997730	4	11.33	1001570	20.0
1H-Indene, 2-phenyl-	11.96	9.8	ng	492298	4	11.33	1001570	20.0
Naphthalene, 2-ph...	12.12	16.6	ng	830098	4	11.33	1001570	20.0
9,10-Anthracenedione	12.16	15.1	ng	758154	4	11.33	1001570	20.0
Phenanthrene, 1,7...	12.38	12.1	ng	604573	4	11.33	1001570	20.0
unknown12.42	12.42	11.5	ng	575139	4	11.33	1001570	20.0
Cyclopenta(def)ph...	12.48	10.8	ng	539520	4	11.33	1001570	20.0
Benzo[e]pyrene	15.22	14.0	ng	493814	6	15.54	703605	20.0
Perylene	15.42	45.1	ng	1585420	6	15.54	703605	20.0
Picene	17.19	9.7	ng	342367	6	15.54	703605	20.0
Dibenzo[def,mno]c...	17.71	13.7	ng	481983	6	15.54	703605	20.0