

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104633.D
 Acq On : 19 Apr 2018 17:38
 Operator : JU/SJ
 Sample : J2157-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-041818

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	5.016	493	498	508	rVB	112235	154656	2.30%	0.199%
2	5.422	562	567	570	rBV	2755637	2674526	39.76%	3.440%
3	6.445	735	741	746	rBV	2391275	2824743	41.99%	3.633%
4	6.575	758	763	766	rBV	3099039	2762758	41.07%	3.553%
5	6.798	798	801	805	rBV	938259	816038	12.13%	1.050%
6	6.957	824	828	831	rBV	2501106	2149268	31.95%	2.764%
7	7.369	893	898	901	rBV	1946814	1729812	25.71%	2.225%
8	8.086	1016	1020	1022	rBV	1293941	1074667	15.97%	1.382%
9	8.104	1022	1023	1026	rVB	416775	264928	3.94%	0.341%
10	8.798	1138	1141	1144	rVB	880188	656793	9.76%	0.845%
11	8.898	1153	1158	1162	rBV	903817	771743	11.47%	0.993%
12	9.163	1198	1203	1206	rBV	3028900	2663262	39.59%	3.425%
13	9.233	1213	1215	1218	rBV	143613	134422	2.00%	0.173%
14	9.357	1233	1236	1241	rVB	139201	175782	2.61%	0.226%
15	9.427	1243	1248	1251	rBV	470123	613563	9.12%	0.789%
16	9.498	1256	1260	1262	rVV	782518	768023	11.42%	0.988%
17	9.527	1262	1265	1267	rVV	491778	475681	7.07%	0.612%
18	9.557	1267	1270	1273	rVV	572067	534324	7.94%	0.687%
19	9.616	1277	1280	1286	rBV	437894	452143	6.72%	0.582%
20	9.698	1291	1294	1298	rVV	496260	428199	6.37%	0.551%
21	9.769	1300	1306	1309	rVB	224552	223377	3.32%	0.287%
22	9.839	1315	1318	1321	rVB2	1267915	1095062	16.28%	1.408%
23	9.875	1321	1324	1327	rVB	390448	313484	4.66%	0.403%
24	9.945	1332	1336	1340	rBV2	180013	232219	3.45%	0.299%
25	9.992	1340	1344	1347	rBV3	85567	145961	2.17%	0.188%
26	10.039	1348	1352	1356	rVB2	403687	448937	6.67%	0.577%
27	10.080	1356	1359	1363	rBV2	355901	312953	4.65%	0.402%
28	10.157	1368	1372	1374	rBV2	316571	329081	4.89%	0.423%
29	10.186	1374	1377	1379	rVB	223728	169858	2.52%	0.218%
30	10.245	1383	1387	1389	rBV3	225464	331485	4.93%	0.426%
31	10.269	1389	1391	1393	rVB2	386994	305539	4.54%	0.393%
32	10.339	1398	1403	1405	rBV4	145507	179582	2.67%	0.231%
33	10.386	1408	1411	1417	rVB2	682047	762024	11.33%	0.980%
34	10.545	1434	1438	1441	rVB2	148892	165383	2.46%	0.213%

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

35	10.633	1449	1453	1456	rVB	1954674	1777138	26.42%	2.286%
36	10.751	1468	1473	1480	rVB3	367288	583780	8.68%	0.751%
37	10.933	1500	1504	1507	rBV	380544	523815	7.79%	0.674%
38	10.963	1507	1509	1512	rVV2	342793	361750	5.38%	0.465%
39	11.022	1516	1519	1522	rVV2	280382	248781	3.70%	0.320%
40	11.063	1522	1526	1528	rVV3	135342	202597	3.01%	0.261%
41	11.086	1528	1530	1536	rVV3	156209	194622	2.89%	0.250%
42	11.133	1536	1538	1542	rVV2	129677	135834	2.02%	0.175%
43	11.186	1542	1547	1550	rVV2	269303	345244	5.13%	0.444%
44	11.221	1550	1553	1558	rVB2	409227	480810	7.15%	0.618%
45	11.327	1568	1571	1573	rBV	1036794	1025540	15.24%	1.319%
46	11.357	1573	1576	1579	rVV	2493983	2098504	31.19%	2.699%
47	11.404	1582	1584	1587	rVB	578706	419223	6.23%	0.539%
48	11.439	1587	1590	1592	rBV2	207507	235805	3.51%	0.303%
49	11.563	1608	1611	1617	rBV3	148533	231552	3.44%	0.298%
50	11.616	1617	1620	1623	rVV2	201083	220941	3.28%	0.284%
51	11.657	1623	1627	1632	rVV2	298203	333734	4.96%	0.429%
52	11.721	1634	1638	1640	rVV	2605099	2114813	31.44%	2.720%
53	11.745	1640	1642	1645	rVB	214764	202961	3.02%	0.261%
54	11.833	1653	1657	1659	rVV	1013815	917872	13.64%	1.180%
55	11.863	1659	1662	1666	rVB2	1585051	1433459	21.31%	1.844%
56	11.910	1667	1670	1672	rVV	359184	323311	4.81%	0.416%
57	11.945	1672	1676	1678	rVV2	1188865	1303904	19.38%	1.677%
58	11.969	1678	1680	1683	rVB	806051	622025	9.25%	0.800%
59	12.021	1683	1689	1694	rBV5	371610	505172	7.51%	0.650%
60	12.063	1694	1696	1699	rVB2	165336	126592	1.88%	0.163%
61	12.127	1704	1707	1709	rVV2	373433	338654	5.03%	0.436%
62	12.157	1709	1712	1718	rVB	229807	260496	3.87%	0.335%
63	12.274	1730	1732	1735	rVV	293907	260766	3.88%	0.335%
64	12.310	1735	1738	1740	rVV	391246	382079	5.68%	0.491%
65	12.333	1740	1742	1744	rVB	304538	224071	3.33%	0.288%
66	12.386	1747	1751	1752	rBV	837861	885147	13.16%	1.138%
67	12.416	1752	1756	1758	rVV	4896247	6727243	100.00%	8.652%
68	12.439	1758	1760	1764	rVV2	4161722	3944540	58.64%	5.073%
69	12.468	1764	1765	1770	rVV2	326802	425299	6.32%	0.547%
70	12.516	1770	1773	1775	rVV	1105549	922466	13.71%	1.186%
71	12.551	1775	1779	1784	rVV	1684515	1805752	26.84%	2.322%

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72	12.645	1792	1795	1797	rVV2	364992	309998	4.61%	0.399%
73	12.698	1802	1804	1807	rVV2	173547	192406	2.86%	0.247%
74	12.780	1812	1818	1824	rBV	2177481	2560825	38.07%	3.293%
75	12.833	1824	1827	1830	rVB2	335665	338300	5.03%	0.435%
76	12.886	1834	1836	1838	rVV2	129305	160907	2.39%	0.207%
77	12.921	1838	1842	1848	rVB	2083664	2173901	32.31%	2.796%
78	12.992	1851	1854	1861	rBV3	340113	593279	8.82%	0.763%
79	13.080	1866	1869	1870	rBV2	298774	285843	4.25%	0.368%
80	13.104	1870	1873	1876	rVB	584509	603633	8.97%	0.776%
81	13.145	1877	1880	1882	rBV3	146563	167653	2.49%	0.216%
82	13.168	1882	1884	1887	rVV	405693	375521	5.58%	0.483%
83	13.210	1888	1891	1894	rVV	578071	541665	8.05%	0.697%
84	13.239	1894	1896	1899	rVB2	190342	166814	2.48%	0.215%
85	13.304	1904	1907	1909	rVV	469426	443912	6.60%	0.571%
86	13.333	1909	1912	1920	rVB3	488618	731366	10.87%	0.941%
87	13.586	1952	1955	1957	rBV2	145030	188160	2.80%	0.242%
88	13.727	1973	1979	1981	rBV3	246959	427587	6.36%	0.550%
89	13.751	1981	1983	1985	rVV	197310	154413	2.30%	0.199%
90	13.810	1990	1993	1999	rVB5	249331	407061	6.05%	0.524%
91	13.974	2016	2021	2024	rBV2	1092014	1718385	25.54%	2.210%
92	14.004	2024	2026	2033	rVB	925858	839110	12.47%	1.079%
93	14.368	2085	2088	2091	rVV	442970	415391	6.17%	0.534%
94	14.404	2091	2094	2096	rVV	199099	174882	2.60%	0.225%
95	14.492	2107	2109	2112	rBV	207339	213803	3.18%	0.275%
96	15.021	2196	2199	2206	rVB	472419	821774	12.22%	1.057%
97	15.321	2247	2250	2256	rVB	377492	454436	6.76%	0.584%
98	15.386	2257	2261	2267	rVV	546102	715461	10.64%	0.920%
99	15.451	2268	2272	2284	rVB2	544773	939321	13.96%	1.208%
100	16.898	2514	2518	2526	rVB2	176425	351619	5.23%	0.452%

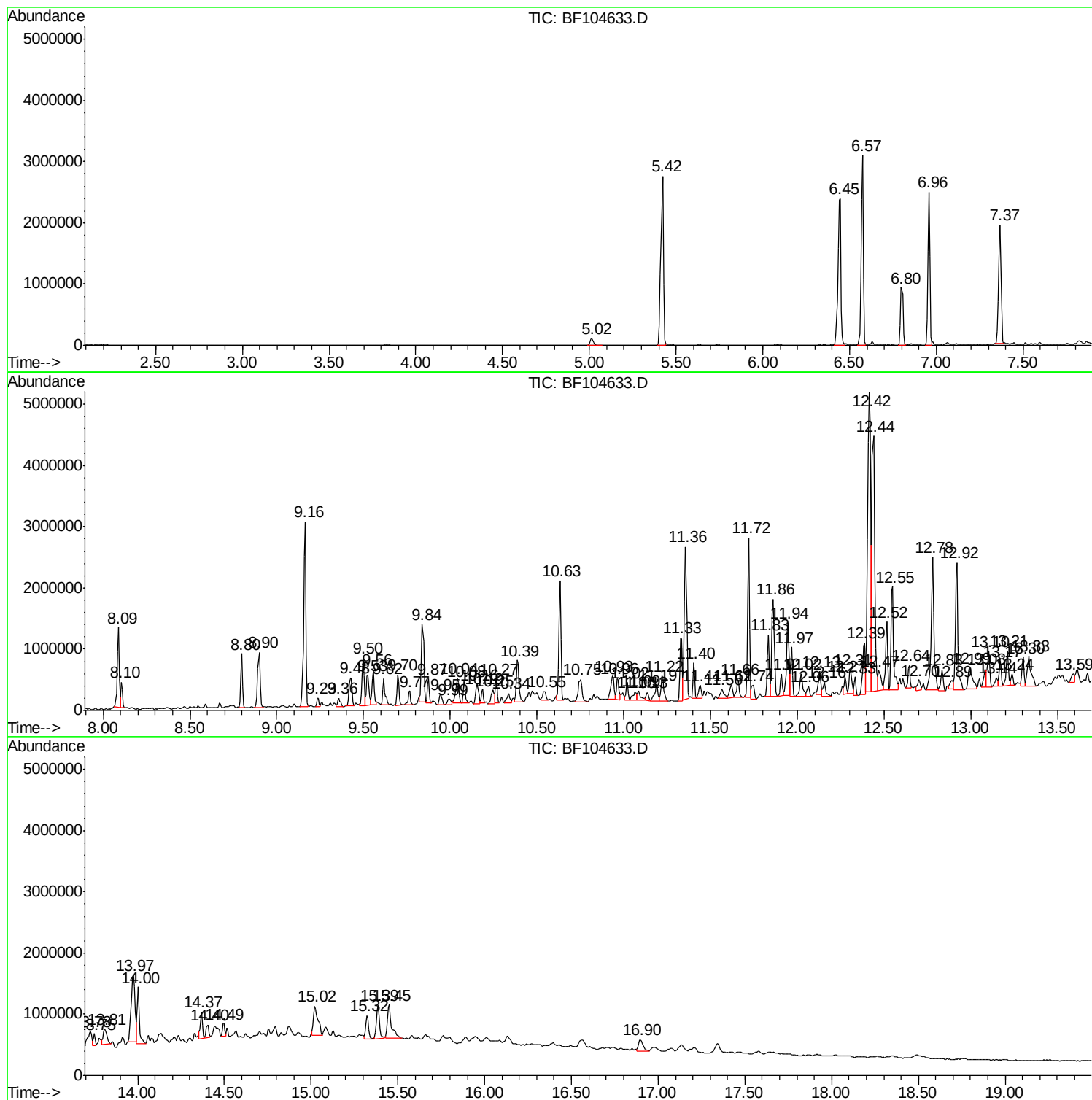
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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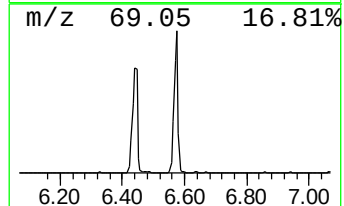
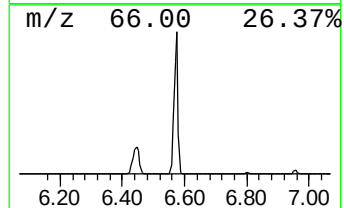
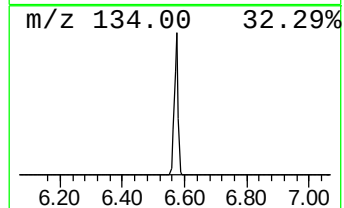
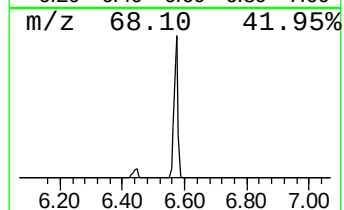
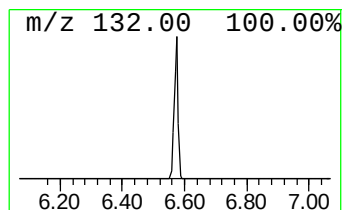
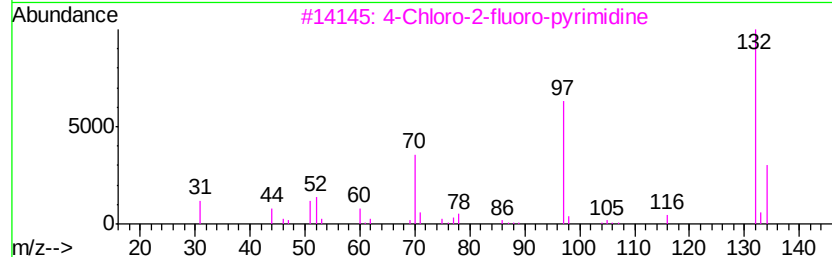
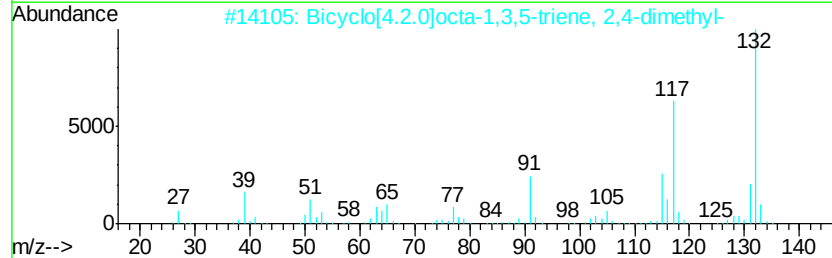
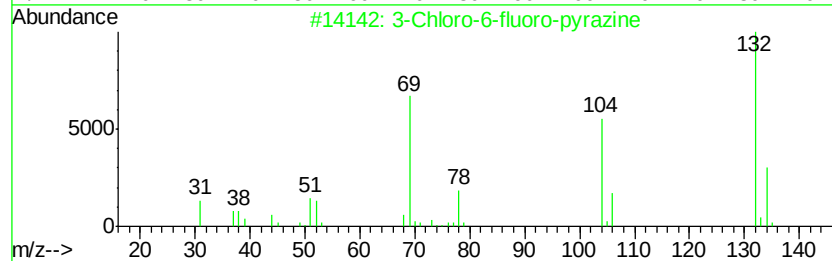
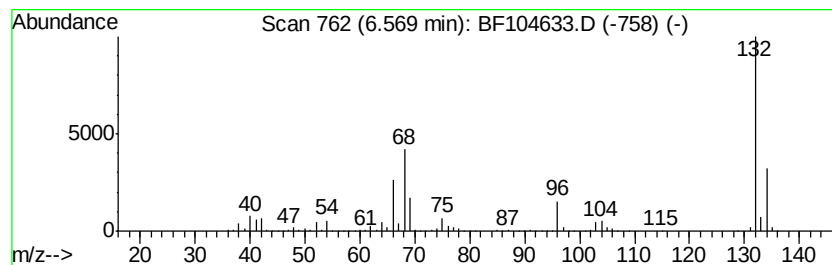
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	67.71 ng	2762760	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	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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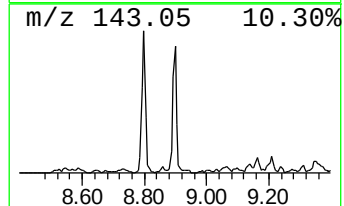
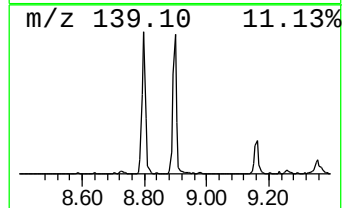
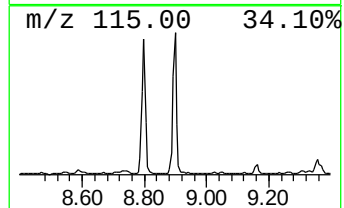
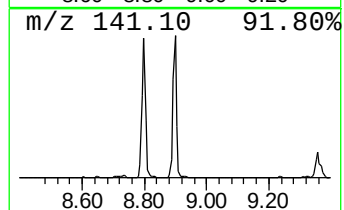
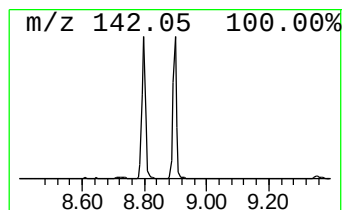
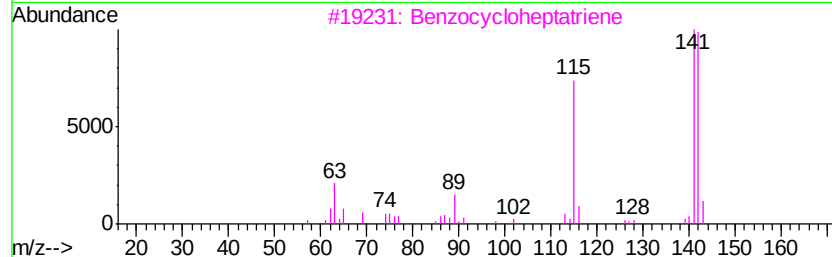
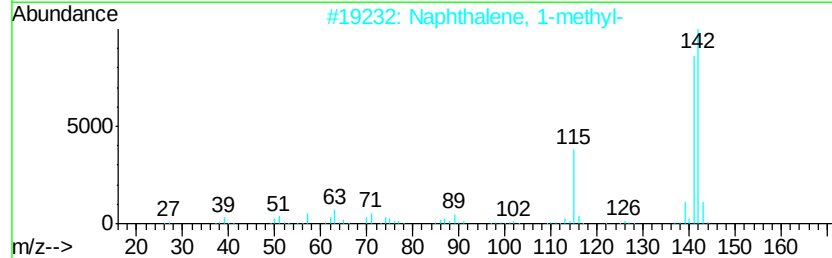
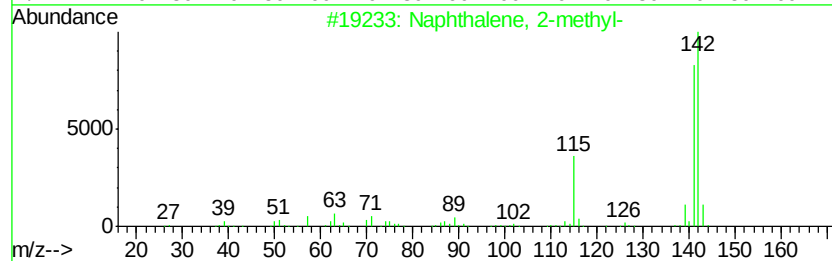
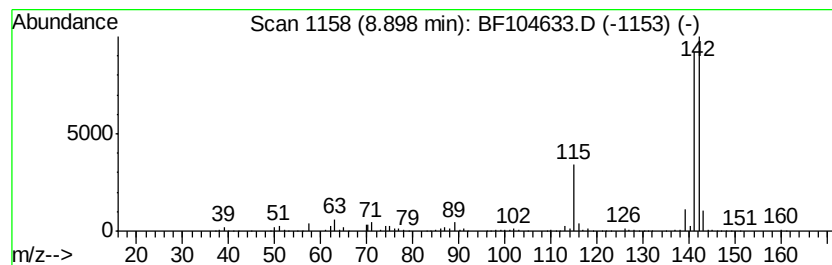
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	14.36 ng	771743	Naphthalene-d8	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



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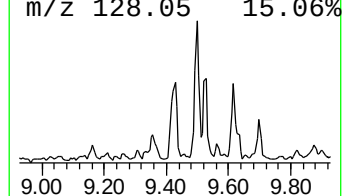
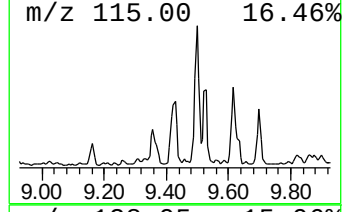
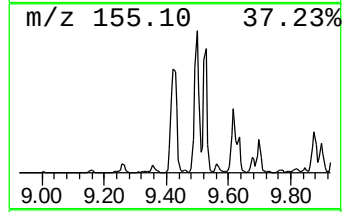
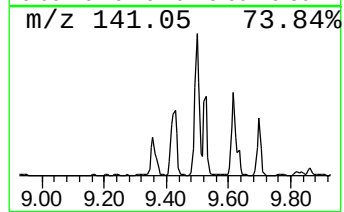
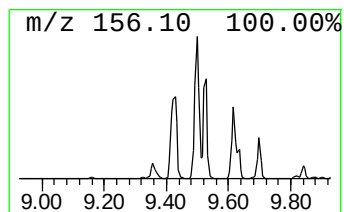
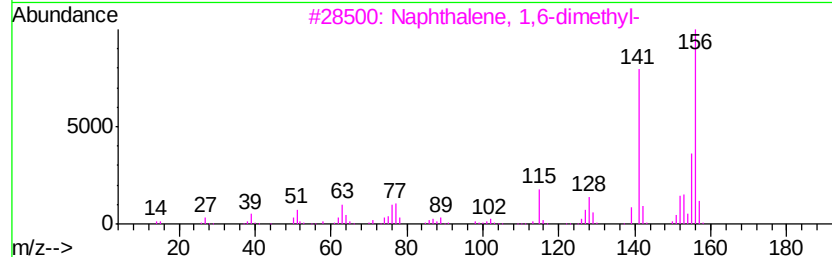
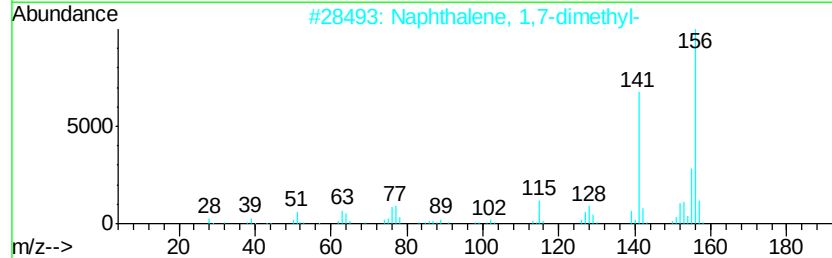
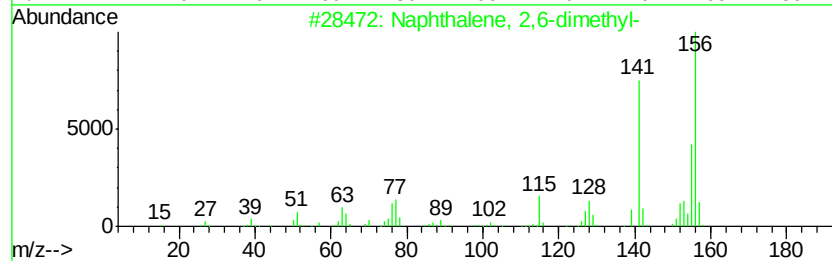
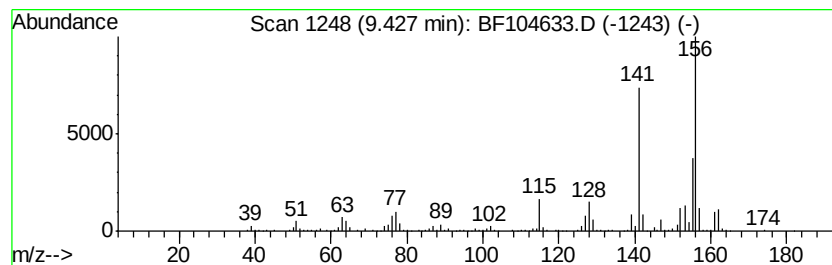
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Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	11.21 ng	613563	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
Operator : JU/SJ
Sample : J2157-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
CL-02-041818

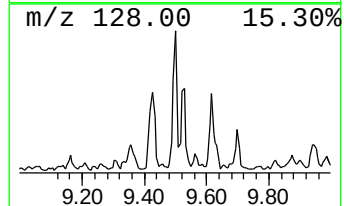
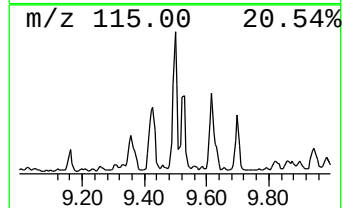
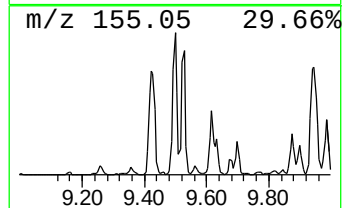
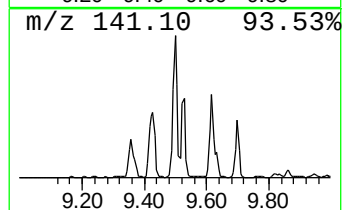
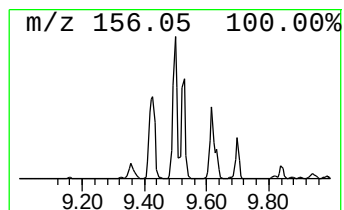
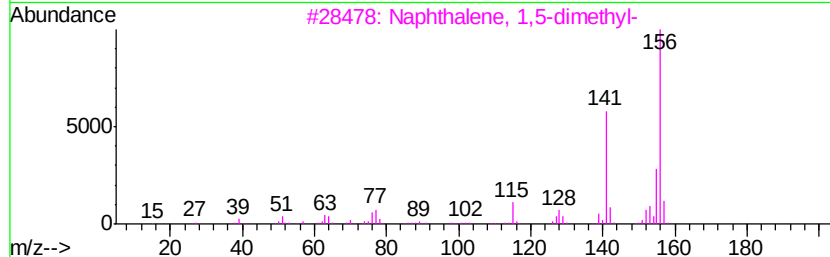
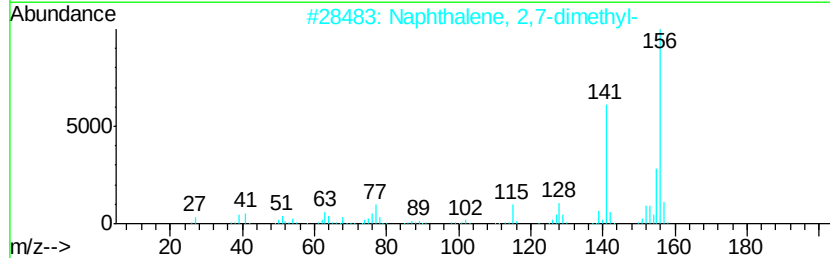
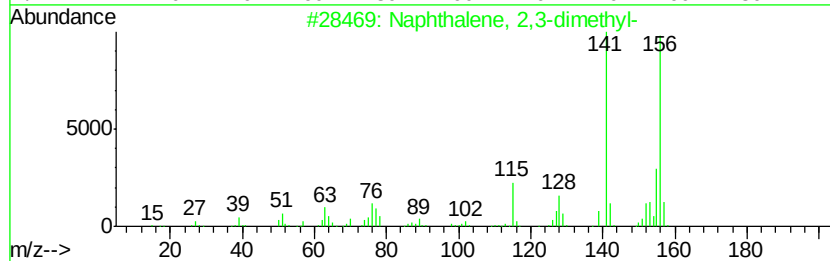
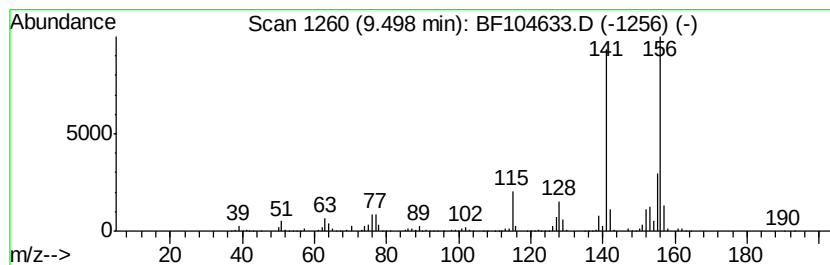
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	14.03 ng	768023	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
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Acq On : 19 Apr 2018 17:38
Operator : JU/SJ
Sample : J2157-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

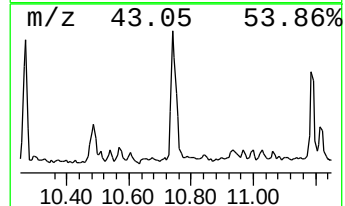
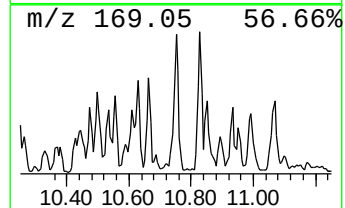
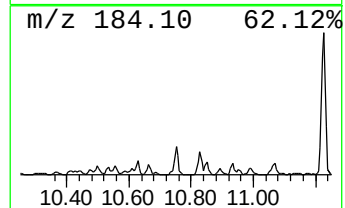
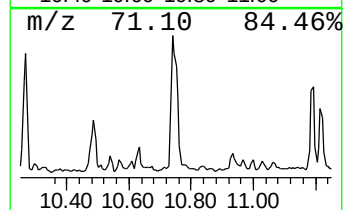
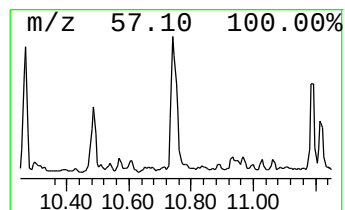
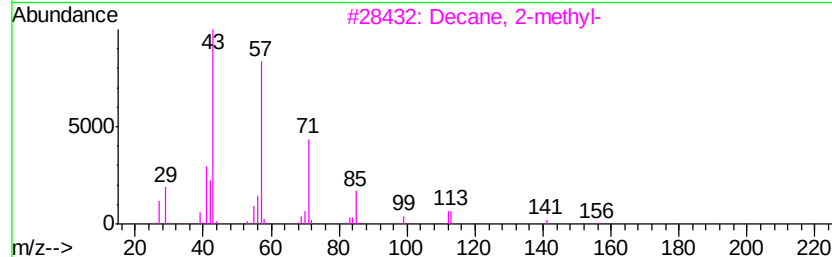
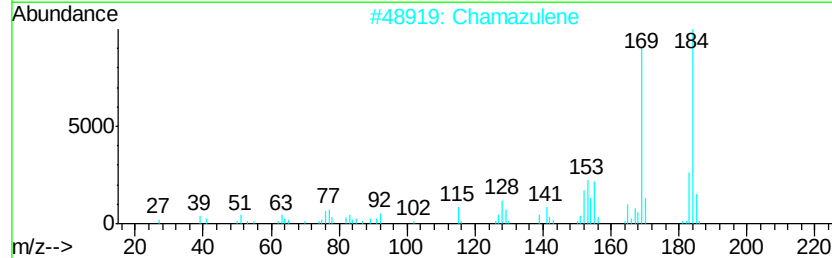
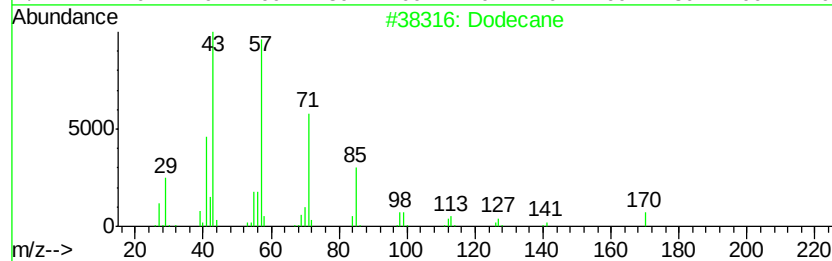
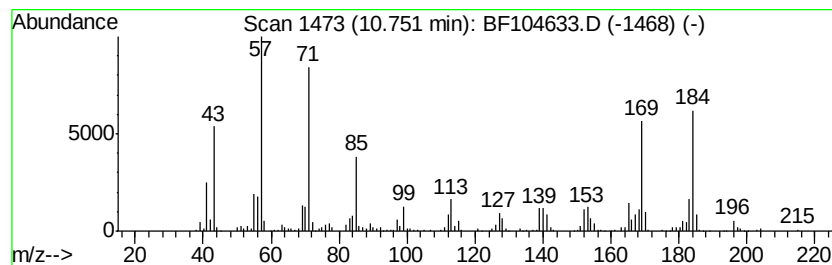
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.75	11.38 ng	583780	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane		170	C12H26	000112-40-3	64
2	Chamazulene		184	C14H16	000529-05-5	62
3	Decane, 2-methyl-		156	C11H24	006975-98-0	46
4	1,4,5,8-Tetramethylnaphthalene		184	C14H16	002717-39-7	42
5	Pentadecane, 2,6,10,14-tetramethyl-		268	C19H40	001921-70-6	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
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Misc :
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Instrument :
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ClientSampleId :
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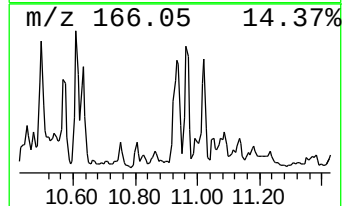
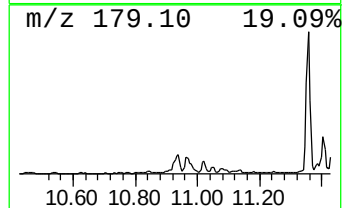
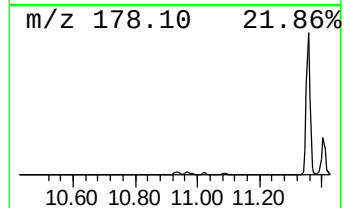
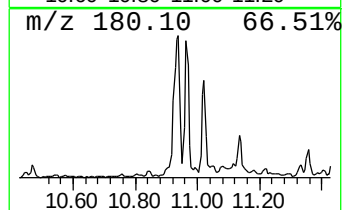
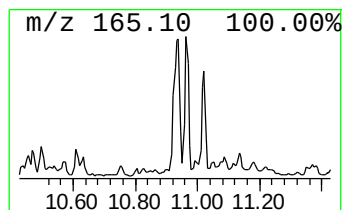
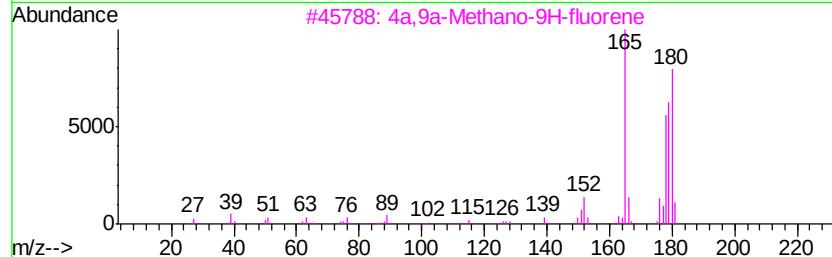
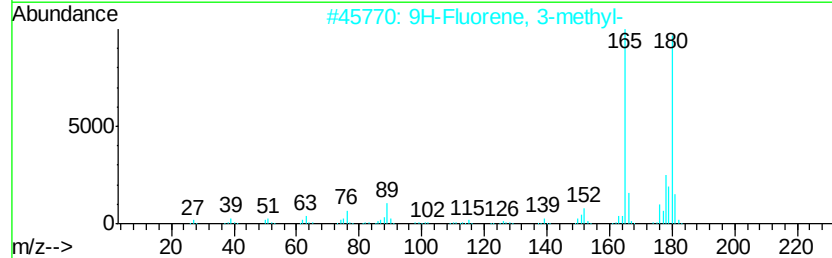
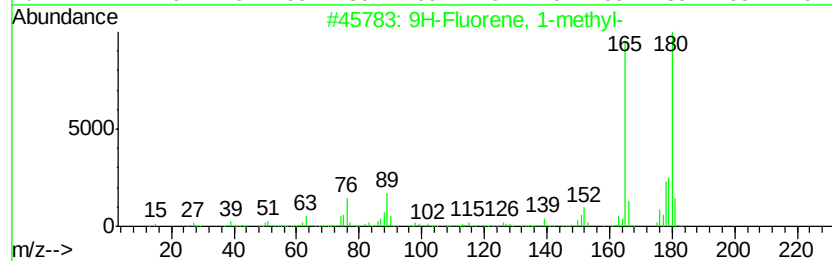
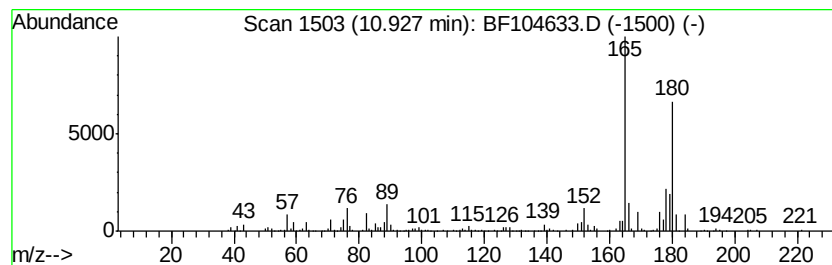
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	10.22 ng	523815	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	74
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
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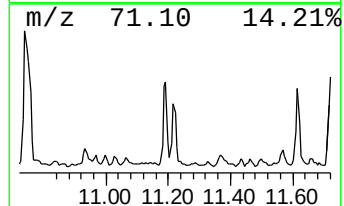
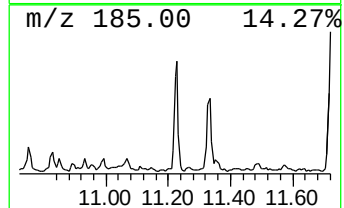
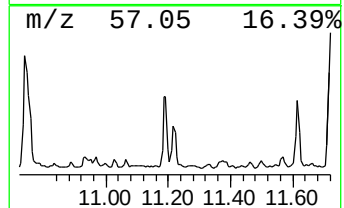
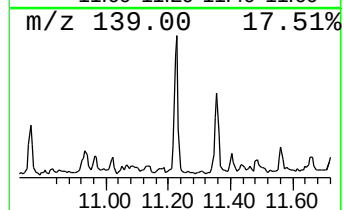
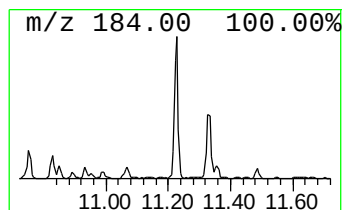
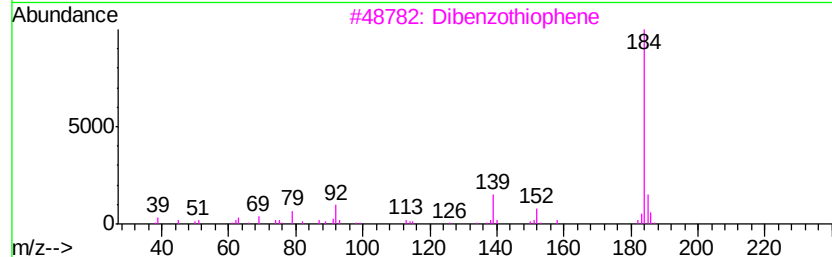
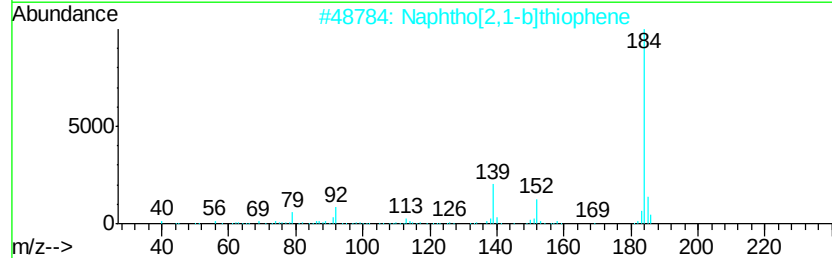
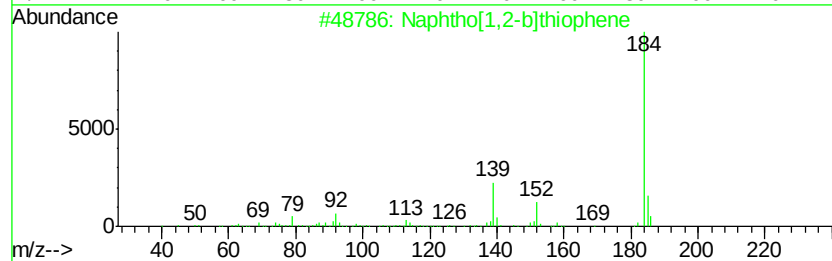
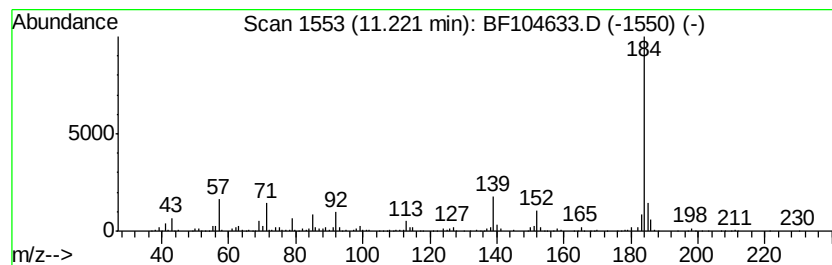
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.22	9.38 ng	480810	Phenanthrene-d10	11.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
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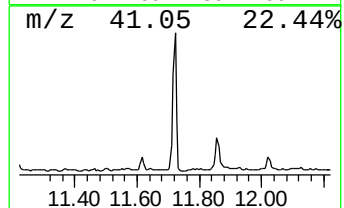
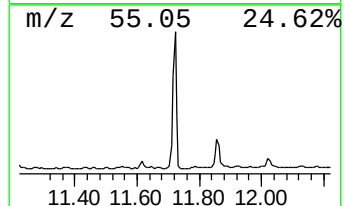
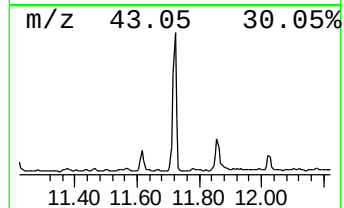
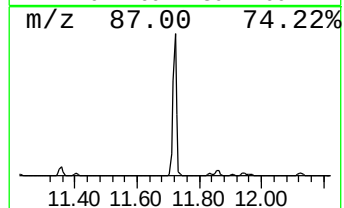
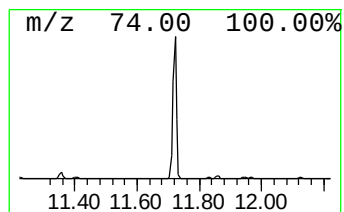
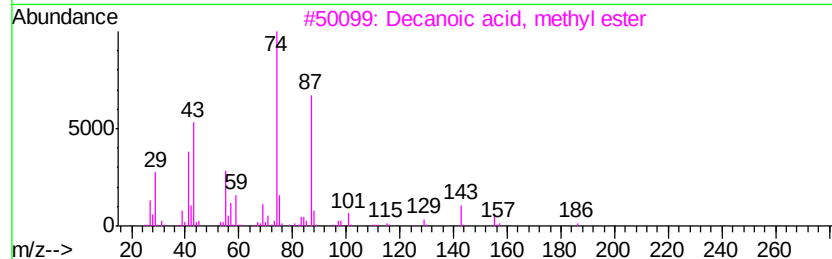
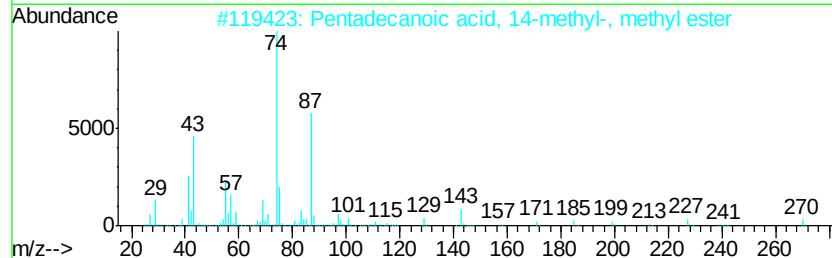
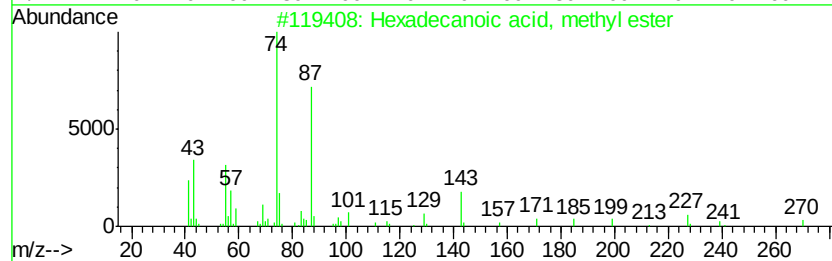
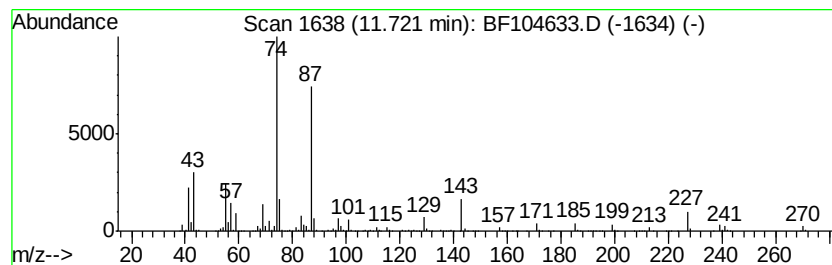
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	41.24 ng	2114810	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3		Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
5		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
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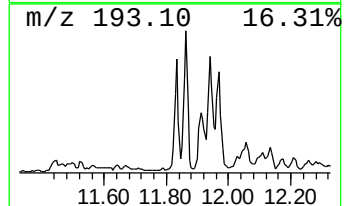
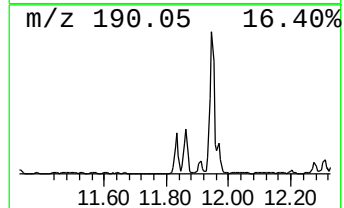
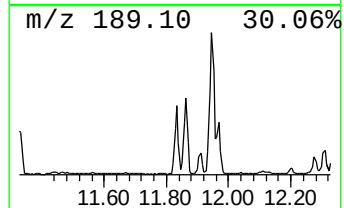
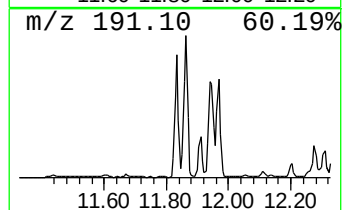
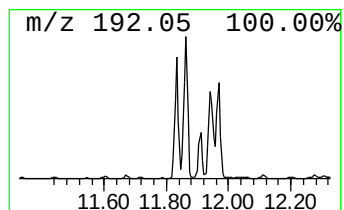
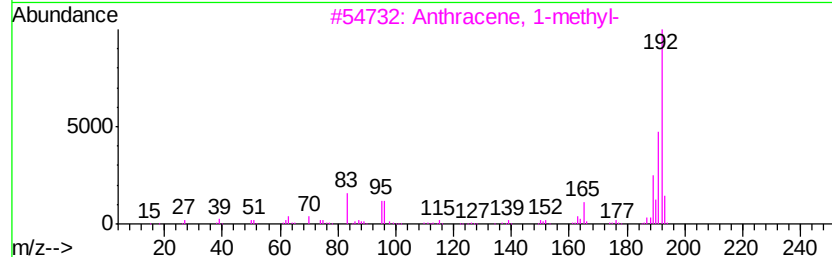
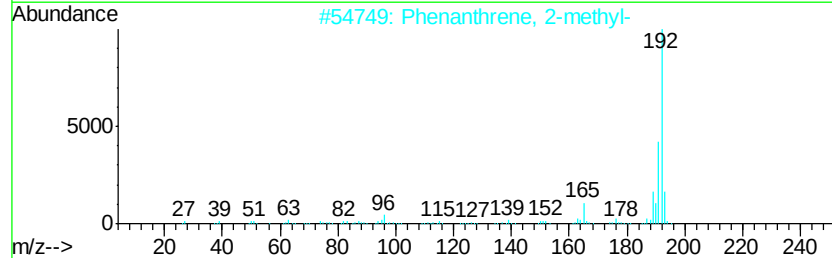
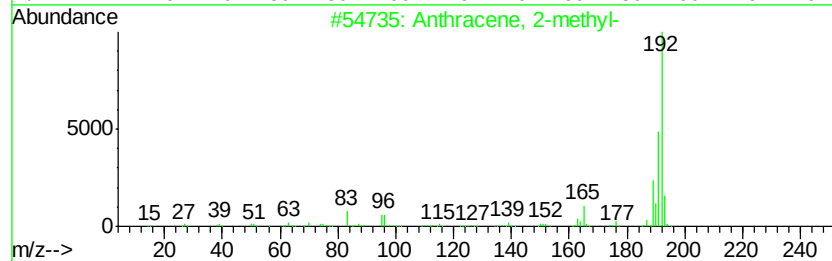
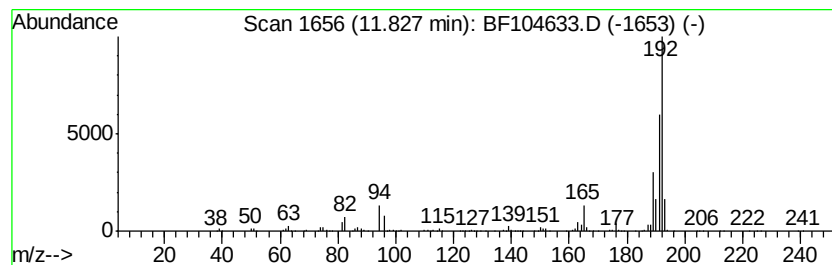
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	17.90 ng	917872	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
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ALS Vial : 3 Sample Multiplier: 1

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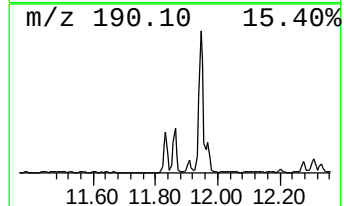
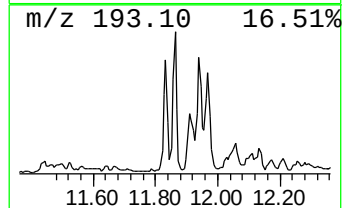
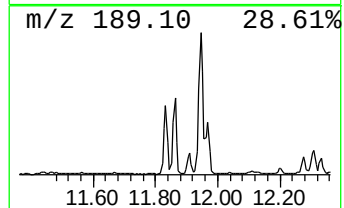
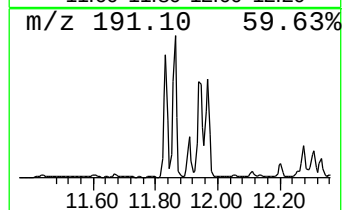
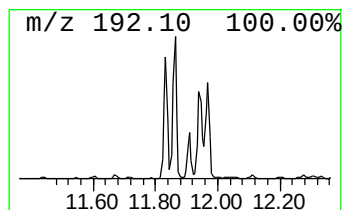
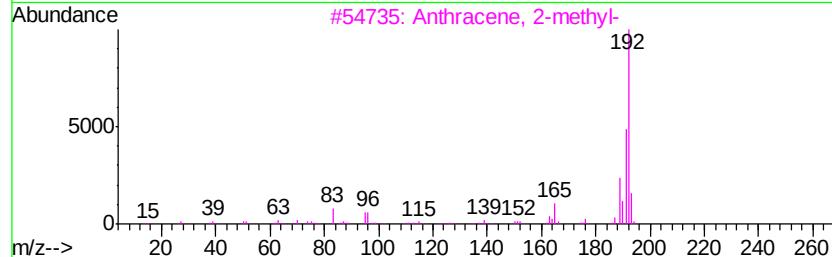
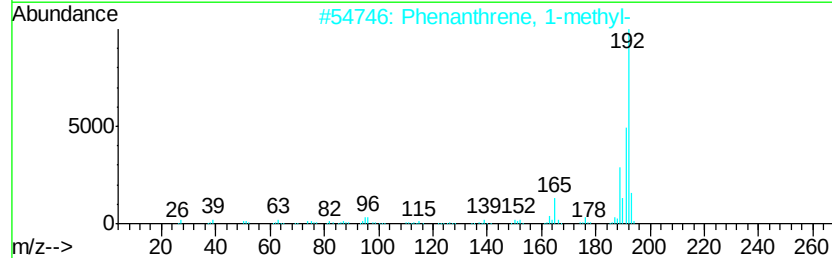
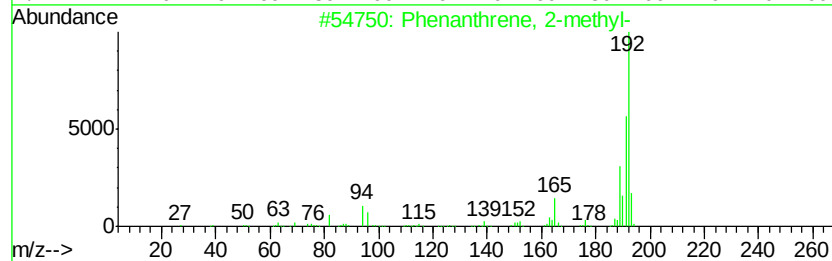
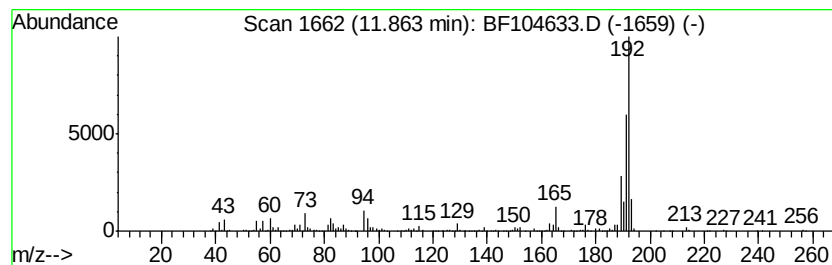
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	27.96 ng	1433460	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
Operator : JU/SJ
Sample : J2157-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-041818

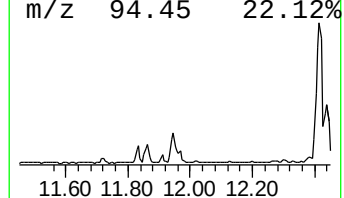
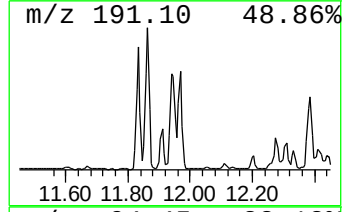
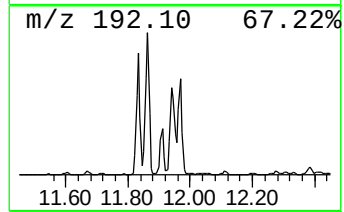
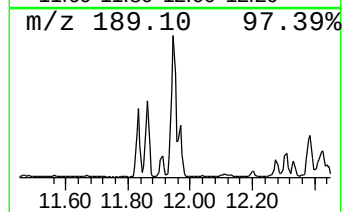
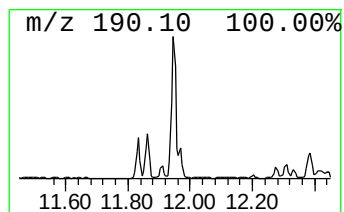
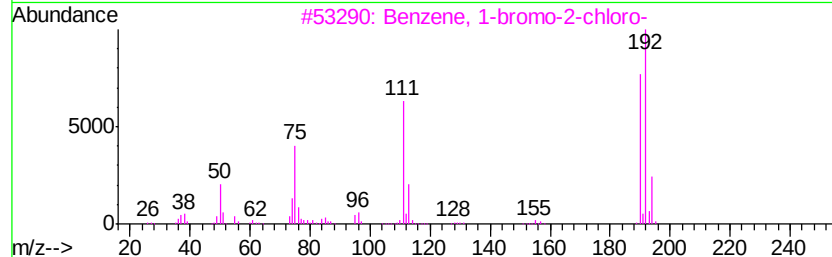
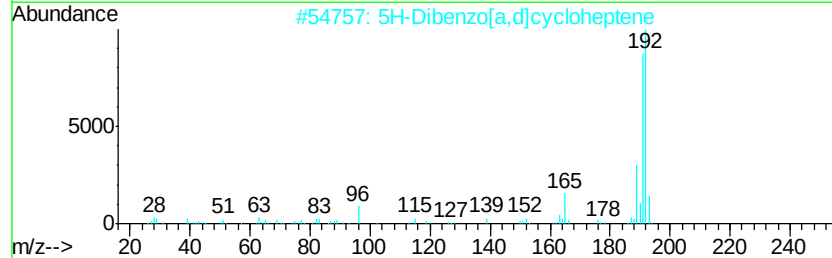
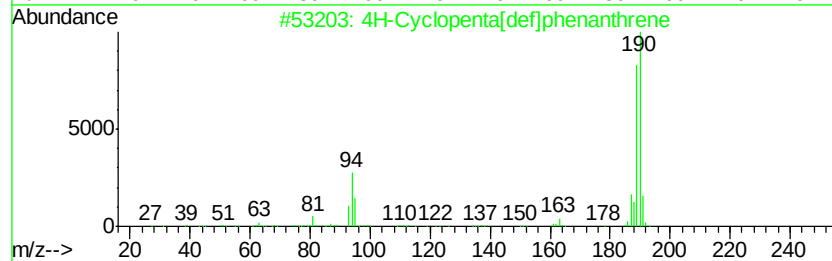
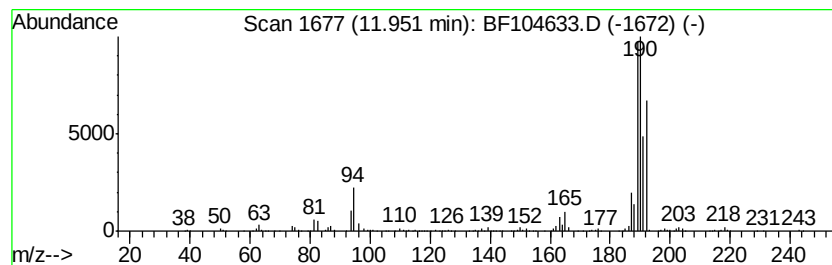
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	25.43 ng	1303900	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3		Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	38
4		3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
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Acq On : 19 Apr 2018 17:38
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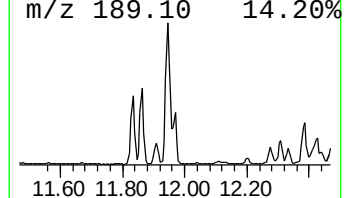
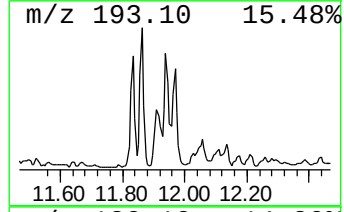
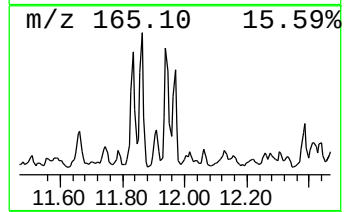
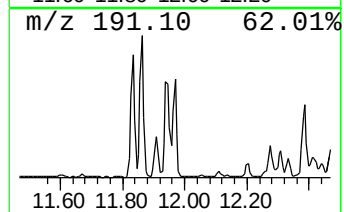
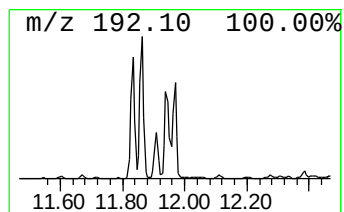
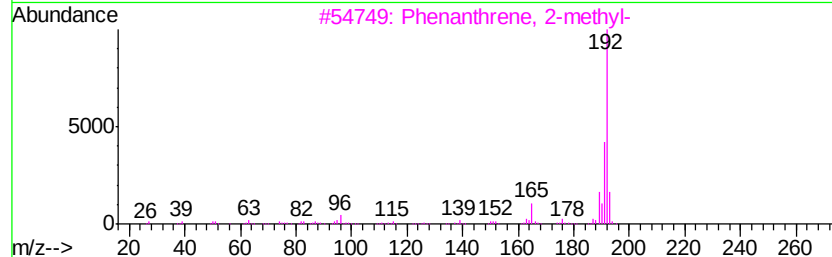
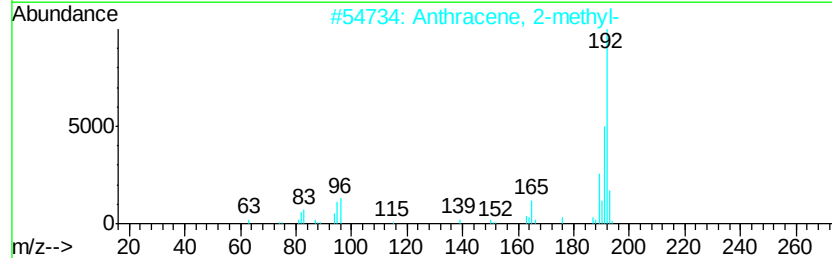
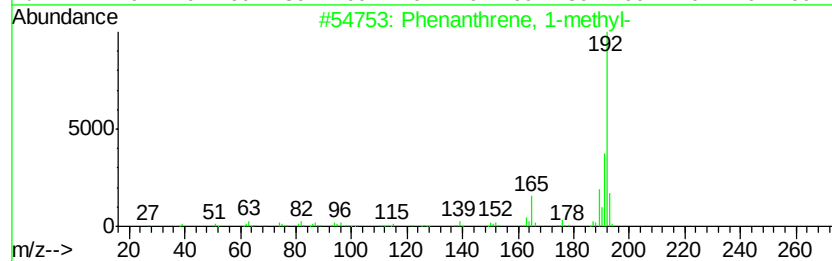
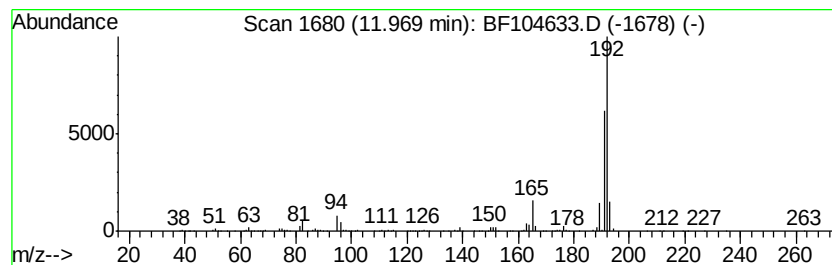
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	12.13 ng	622025	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
Operator : JU/SJ
Sample : J2157-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

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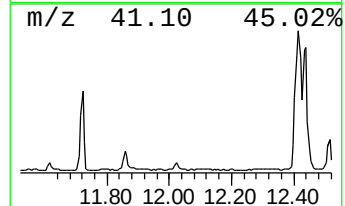
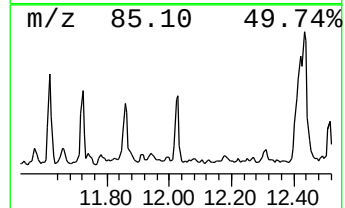
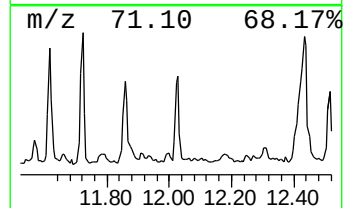
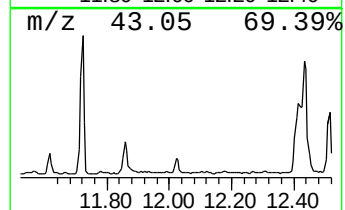
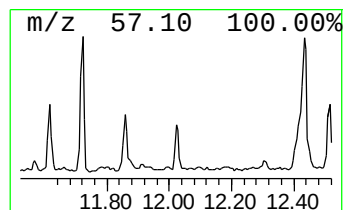
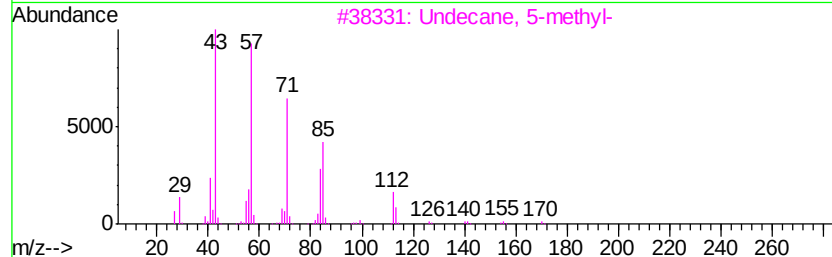
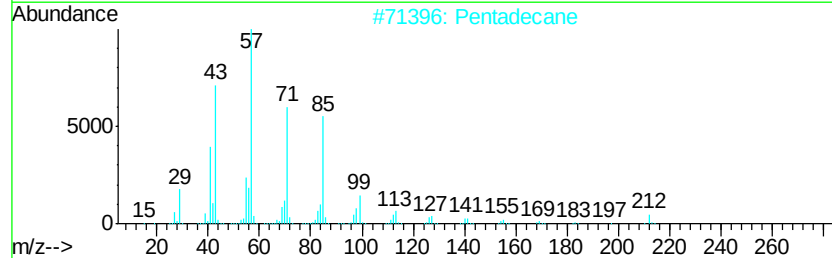
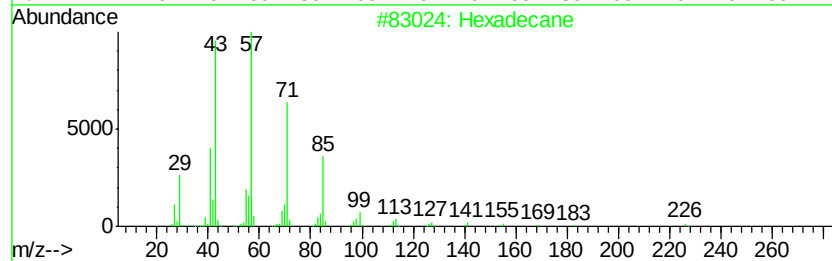
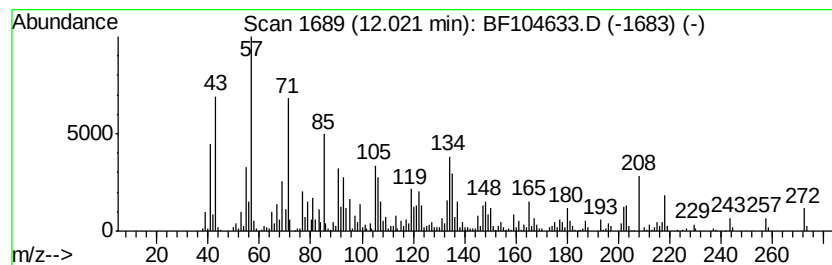
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	9.85 ng	505172	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	47
2		Pentadecane	212	C15H32	000629-62-9	44
3		Undecane, 5-methyl-	170	C12H26	001632-70-8	35
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	25
5		Succinic acid, hexadecyl tetrahy...	426	C25H46O5	1000329-87-2	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
Operator : JU/SJ
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Misc :
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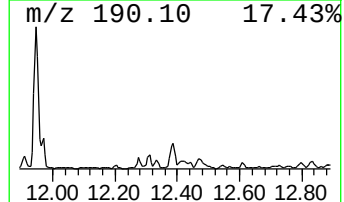
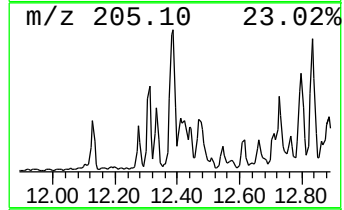
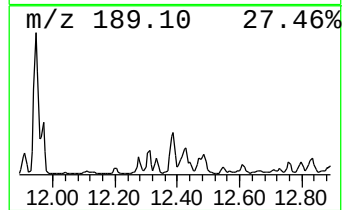
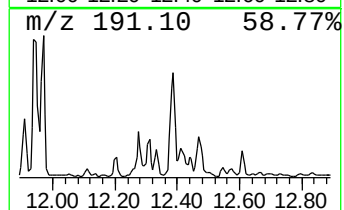
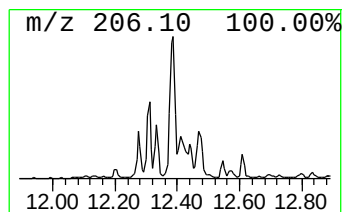
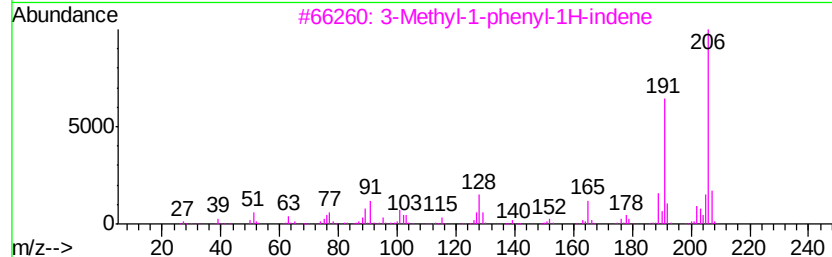
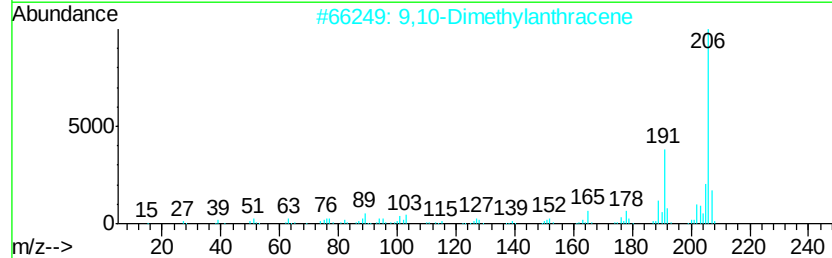
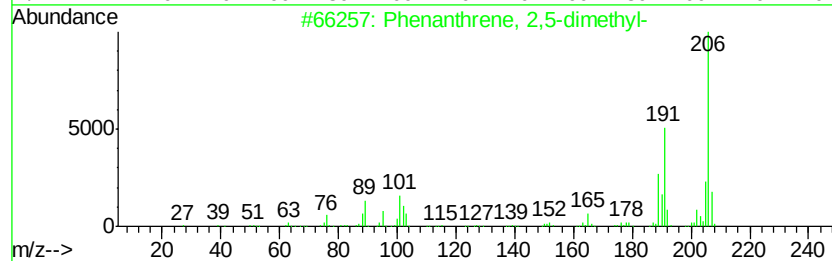
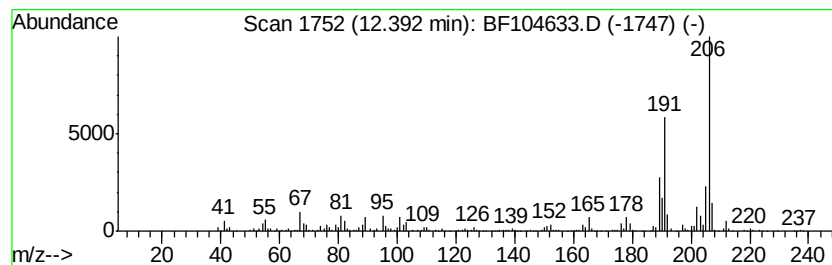
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	17.26 ng	885147	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	94
3		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
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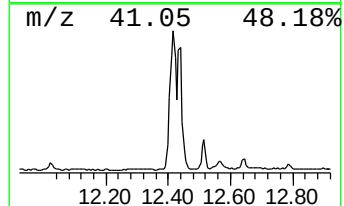
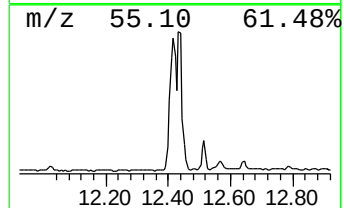
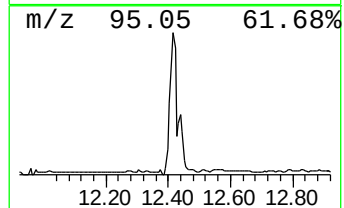
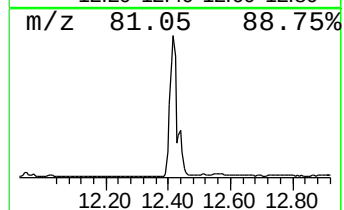
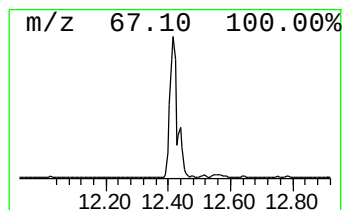
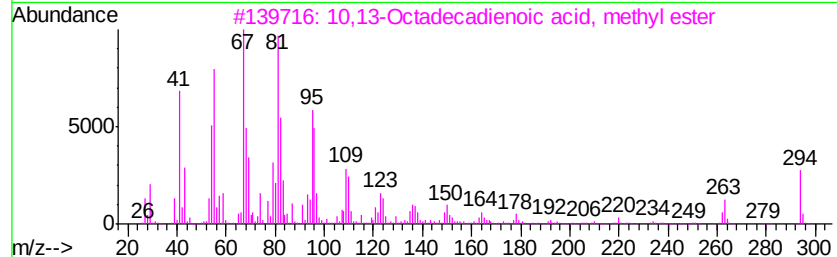
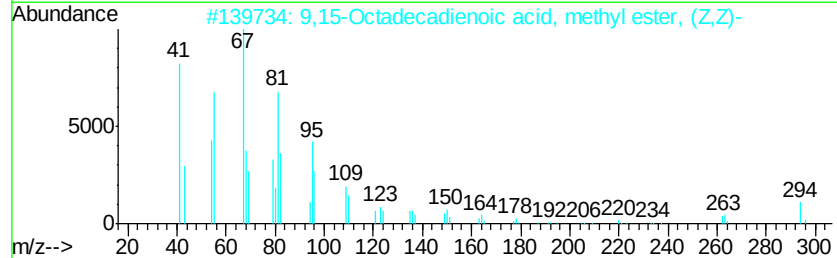
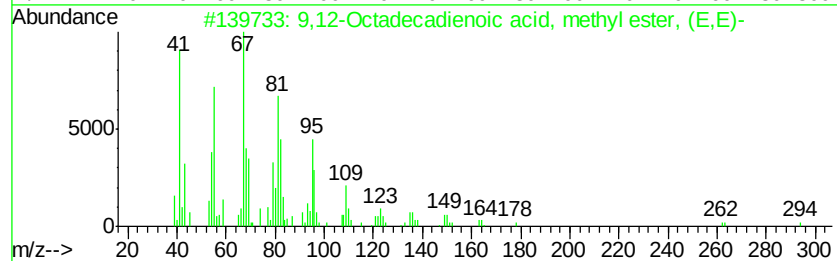
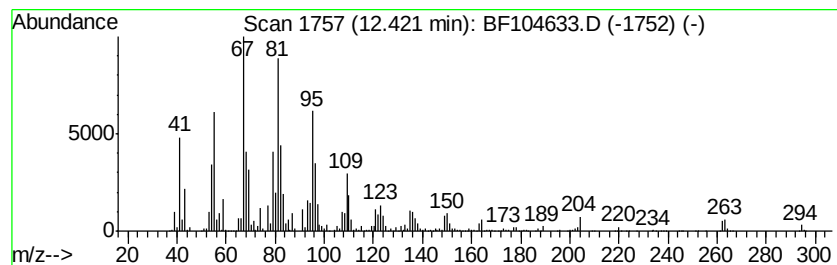
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	131.19 ng	6727240	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
4		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
5		11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
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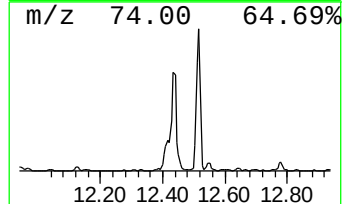
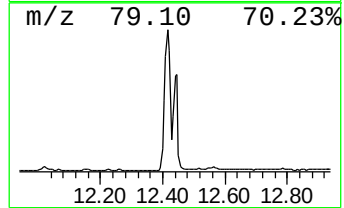
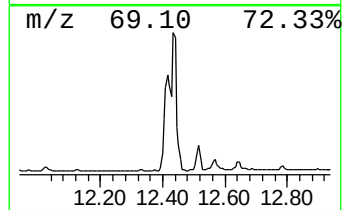
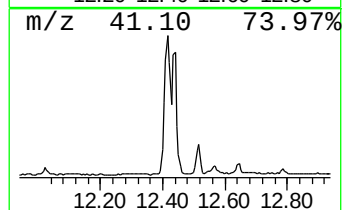
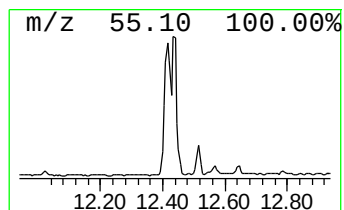
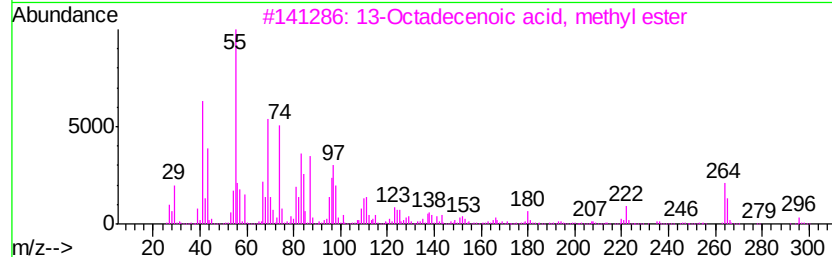
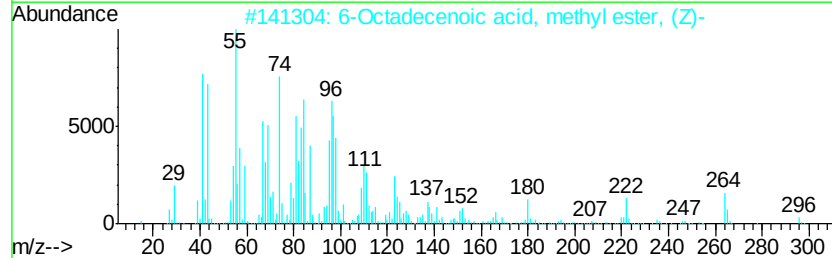
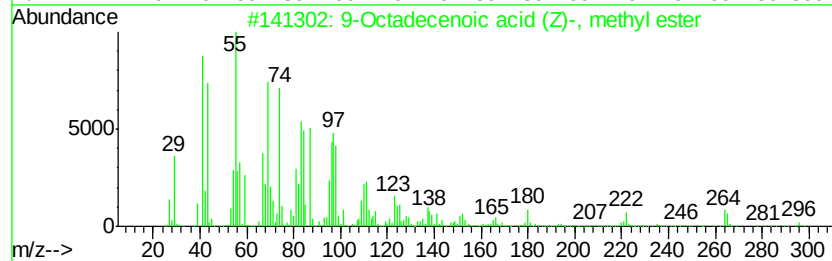
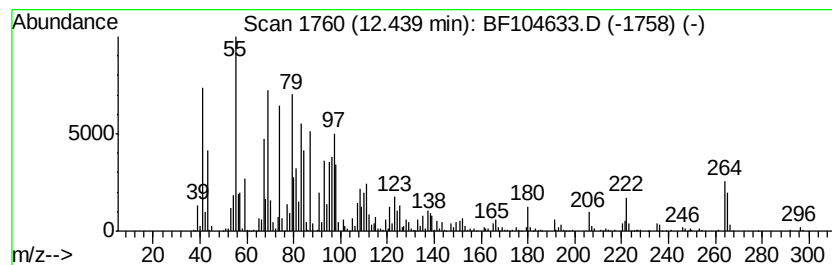
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	76.93 ng	3944540	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2		6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
3		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4		15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5		16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
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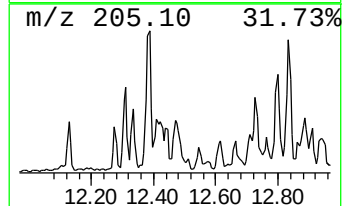
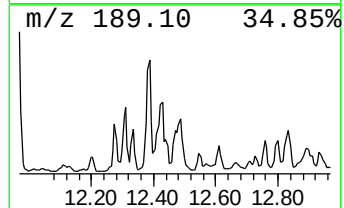
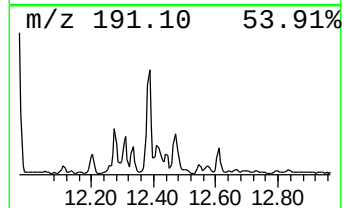
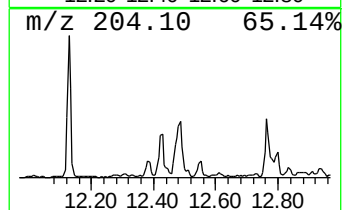
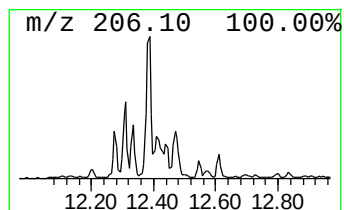
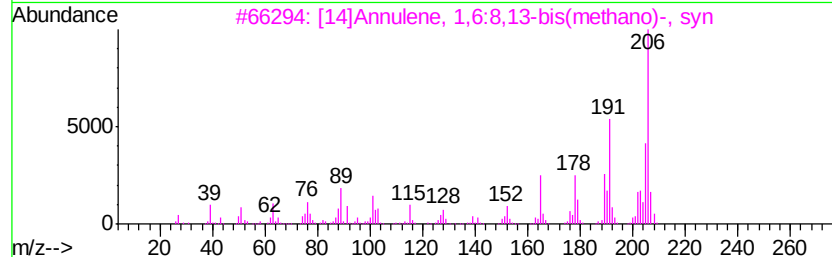
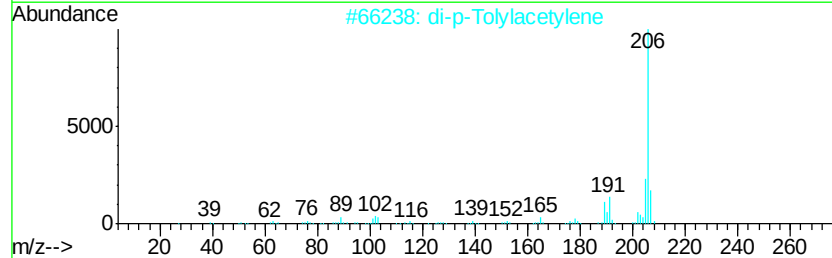
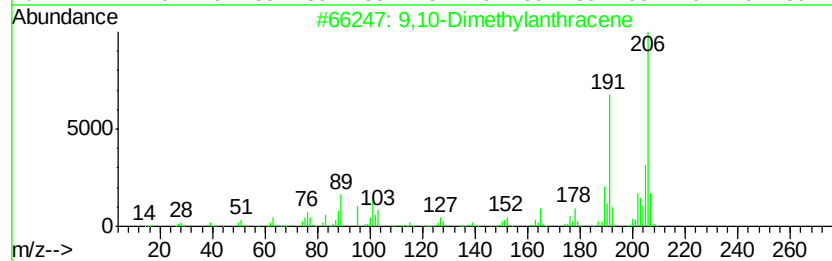
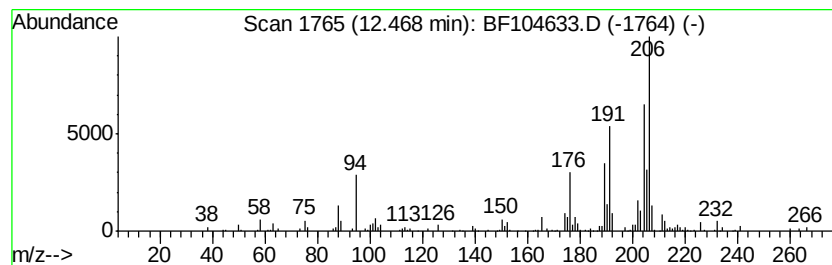
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Dimethylantracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	8.29 ng	425299	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	70
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	60
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104633.D
Acq On : 19 Apr 2018 17:38
Operator : JU/SJ
Sample : J2157-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-041818

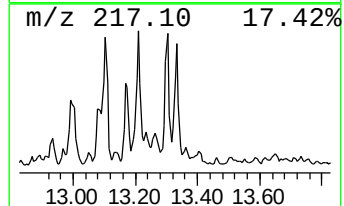
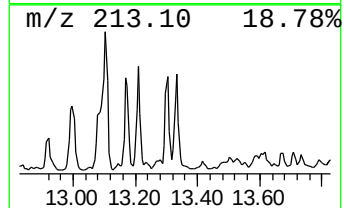
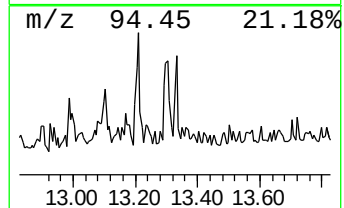
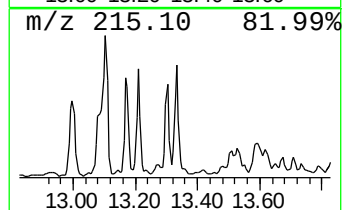
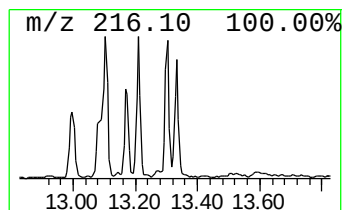
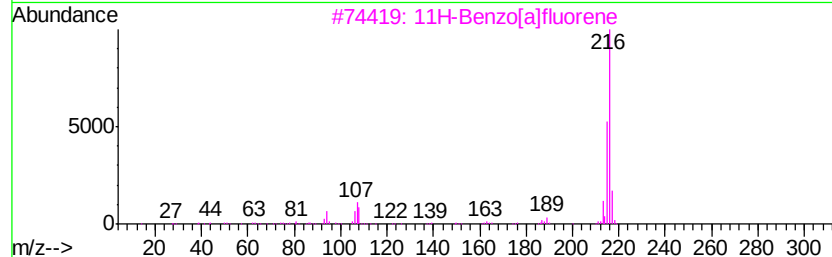
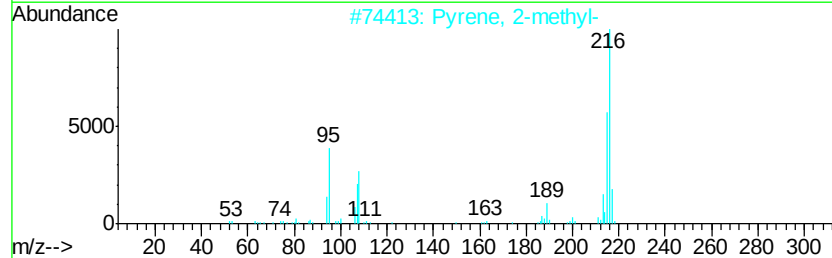
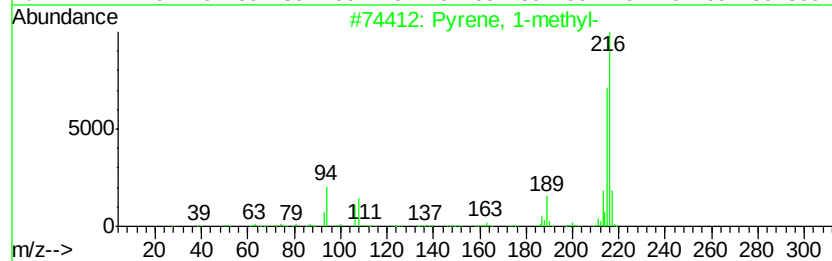
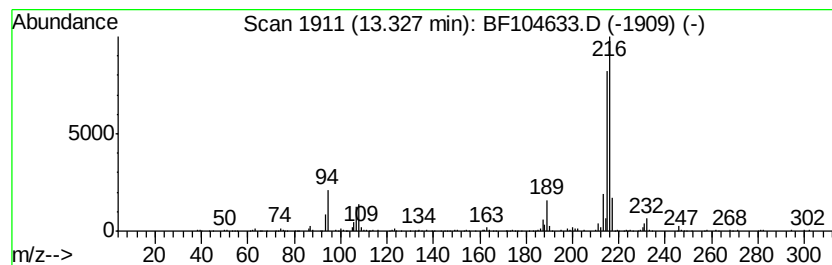
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	8.51 ng	731366	Chrysene-d12	13.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
 Data File : BF104633.D
 Acq On : 19 Apr 2018 17:38
 Operator : JU/SJ
 Sample : J2157-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-041818

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
unknown6.57	6.57	67.7	ng	2762760	1	6.80	816038	20.0
Naphthalene, 1-me...	8.90	14.4	ng	771743	2	8.09	1074670	20.0
Naphthalene, 2,6-...	9.43	11.2	ng	613563	3	9.84	1095060	20.0
Naphthalene, 2,3-...	9.50	14.0	ng	768023	3	9.84	1095060	20.0
Dodecane	10.75	11.4	ng	583780	4	11.33	1025540	20.0
9H-Fluorene, 1-me...	10.93	10.2	ng	523815	4	11.33	1025540	20.0
Naphtho[1,2-b]thi...	11.22	9.4	ng	480810	4	11.33	1025540	20.0
Hexadecanoic acid...	11.72	41.2	ng	2114810	4	11.33	1025540	20.0
Anthracene, 2-met...	11.83	17.9	ng	917872	4	11.33	1025540	20.0
Phenanthrene, 2-m...	11.86	28.0	ng	1433460	4	11.33	1025540	20.0
4H-Cyclopenta[def...	11.95	25.4	ng	1303900	4	11.33	1025540	20.0
Phenanthrene, 1-m...	11.97	12.1	ng	622025	4	11.33	1025540	20.0
unknown12.02	12.02	9.8	ng	505172	4	11.33	1025540	20.0
Phenanthrene, 2,5...	12.39	17.3	ng	885147	4	11.33	1025540	20.0
9,12-Octadecadien...	12.42	131.2	ng	6727240	4	11.33	1025540	20.0
9-Octadecenoic ac...	12.44	76.9	ng	3944540	4	11.33	1025540	20.0
9,10-Dimethylanthe...	12.47	8.3	ng	425299	4	11.33	1025540	20.0
Pyrene, 1-methyl-	13.33	8.5	ng	731366	5	13.98	1718390	20.0