

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102656.D
 Acq On : 30 Jan 2018 22:51
 Operator : SJ/JU
 Sample : J1363-01 50X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.969	657	660	664	rBV	152394	126850	3.81%	0.315%
2	6.710	783	786	802	rBV	845434	803123	24.10%	1.993%
3	6.969	827	830	845	rVB	49635	89336	2.68%	0.222%
4	7.116	852	855	864	rBV	79395	106108	3.18%	0.263%
5	7.992	1001	1004	1006	rBV	1196030	1047695	31.44%	2.600%
6	8.016	1006	1008	1015	rVV	856576	774854	23.25%	1.923%
7	8.710	1122	1126	1133	rBV	554449	562585	16.88%	1.396%
8	8.804	1138	1142	1156	rVB	423027	439241	13.18%	1.090%
9	9.169	1201	1204	1212	rVB	166047	149688	4.49%	0.371%
10	9.263	1218	1220	1227	rVB	75210	97549	2.93%	0.242%
11	9.333	1228	1232	1236	rBV	183904	249636	7.49%	0.620%
12	9.404	1241	1244	1247	rVV	290807	316149	9.49%	0.785%
13	9.433	1247	1249	1253	rVV	197454	184264	5.53%	0.457%
14	9.475	1253	1256	1260	rVV	77463	80061	2.40%	0.199%
15	9.522	1260	1264	1273	rVB	153427	189339	5.68%	0.470%
16	9.610	1275	1279	1287	rVB	635966	564637	16.94%	1.401%
17	9.745	1296	1302	1305	rBV2	1210620	1186916	35.62%	2.946%
18	9.780	1305	1308	1312	rVB	1108318	909661	27.30%	2.258%
19	9.857	1318	1321	1324	rVB	64446	71443	2.14%	0.177%
20	9.951	1331	1337	1341	rVV	689539	663543	19.91%	1.647%
21	9.986	1341	1343	1347	rVB	117012	103880	3.12%	0.258%
22	10.063	1352	1356	1359	rBV	115770	127932	3.84%	0.317%
23	10.151	1367	1371	1373	rBV3	63203	93598	2.81%	0.232%
24	10.204	1377	1380	1382	rBV	84690	78670	2.36%	0.195%
25	10.298	1392	1396	1402	rVB	1326221	1211057	36.34%	3.006%
26	10.357	1402	1406	1408	rBV2	91069	116523	3.50%	0.289%
27	10.380	1408	1410	1412	rVV2	108178	95102	2.85%	0.236%
28	10.451	1420	1422	1425	rVV	180149	156795	4.71%	0.389%
29	10.533	1430	1436	1441	rBV2	177038	288236	8.65%	0.715%
30	10.657	1452	1457	1462	rBV6	67557	118290	3.55%	0.294%
31	10.845	1484	1489	1491	rBV2	171950	196976	5.91%	0.489%
32	10.869	1491	1493	1496	rVB	103968	84827	2.55%	0.211%
33	10.927	1499	1503	1505	rVB	94483	91738	2.75%	0.228%
34	10.992	1512	1514	1520	rVV3	80074	93234	2.80%	0.231%

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 Integrator: RTE
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.045	1520	1523	1527	rVV	101552	108067	3.24%	0.268%
36	11.092	1527	1531	1533	rVV3	91873	115162	3.46%	0.286%
37	11.133	1533	1538	1543	rVB	432965	441594	13.25%	1.096%
38	11.233	1552	1555	1557	rBV	929085	930234	27.92%	2.309%
39	11.263	1557	1560	1563	rVV	3551222	3332325	100.00%	8.270%
40	11.310	1563	1568	1572	rVV	1219079	1217582	36.54%	3.022%
41	11.351	1572	1575	1580	rVV2	77928	141122	4.23%	0.350%
42	11.392	1580	1582	1588	rVV4	51892	78819	2.37%	0.196%
43	11.474	1591	1596	1600	rVV	327393	385382	11.56%	0.956%
44	11.527	1600	1605	1609	rVV2	116651	190323	5.71%	0.472%
45	11.569	1609	1612	1616	rVB2	148841	171830	5.16%	0.426%
46	11.651	1622	1626	1630	rVB	118911	146098	4.38%	0.363%
47	11.733	1637	1640	1643	rVV	437279	440488	13.22%	1.093%
48	11.763	1643	1645	1650	rVB	532894	480183	14.41%	1.192%
49	11.816	1650	1654	1656	rBV	192521	191535	5.75%	0.475%
50	11.851	1656	1660	1662	rVV2	829175	875769	26.28%	2.173%
51	11.869	1662	1663	1669	rVB	313900	224873	6.75%	0.558%
52	12.027	1687	1690	1694	rVV	268358	284784	8.55%	0.707%
53	12.069	1694	1697	1701	rVB2	140387	154853	4.65%	0.384%
54	12.210	1719	1721	1723	rVV	105203	79472	2.38%	0.197%
55	12.233	1723	1725	1728	rVB2	88557	77443	2.32%	0.192%
56	12.286	1730	1734	1736	rBV	257419	259301	7.78%	0.644%
57	12.321	1736	1740	1742	rVV4	137786	192073	5.76%	0.477%
58	12.345	1742	1744	1746	rVB	87408	69285	2.08%	0.172%
59	12.380	1746	1750	1753	rBV3	173098	215379	6.46%	0.535%
60	12.451	1758	1762	1766	rBV	2728362	2782595	83.50%	6.906%
61	12.545	1775	1778	1781	rVB	290946	238094	7.14%	0.591%
62	12.598	1784	1787	1790	rBV	186285	182675	5.48%	0.453%
63	12.680	1795	1801	1806	rBV	2391495	2890631	86.75%	7.174%
64	12.727	1806	1809	1814	rVB2	137745	158147	4.75%	0.392%
65	12.798	1817	1821	1826	rBV2	143229	230351	6.91%	0.572%
66	12.839	1826	1828	1833	rVB	130916	134907	4.05%	0.335%
67	12.898	1833	1838	1841	rBV2	187461	311987	9.36%	0.774%
68	12.980	1849	1852	1854	rBV3	170795	225965	6.78%	0.561%
69	13.010	1854	1857	1860	rVB	402838	402457	12.08%	0.999%
70	13.074	1865	1868	1870	rVV	349266	311412	9.35%	0.773%
71	13.110	1870	1874	1881	rVB2	283409	344583	10.34%	0.855%

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 Sampling : 1 Min Area: 3 % of largest Peak
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72	13.174	1881	1885	1887	rBV2	72701	91801	2.75%	0.228%
73	13.198	1887	1889	1892	rVV	224826	224242	6.73%	0.557%
74	13.233	1892	1895	1898	rVB	181981	155983	4.68%	0.387%
75	13.486	1935	1938	1941	rBV3	62888	84286	2.53%	0.209%
76	13.521	1941	1944	1947	rVB	120339	118669	3.56%	0.295%
77	13.627	1959	1962	1964	rBV	226928	191841	5.76%	0.476%
78	13.651	1964	1966	1968	rVB	180241	133415	4.00%	0.331%
79	13.680	1968	1971	1972	rBV	134774	110356	3.31%	0.274%
80	13.727	1977	1979	1982	rVB	88386	81603	2.45%	0.203%
81	13.798	1986	1991	1996	rBV	84745	136370	4.09%	0.338%
82	13.874	1996	2004	2007	rBV2	1410517	2273525	68.23%	5.642%
83	13.904	2007	2009	2016	rVB	1069266	947249	28.43%	2.351%
84	13.980	2020	2022	2025	rVB	106103	81061	2.43%	0.201%
85	14.033	2028	2031	2036	rVB3	119996	151370	4.54%	0.376%
86	14.262	2068	2070	2073	rVV	235348	225707	6.77%	0.560%
87	14.298	2074	2076	2078	rVB	115197	82241	2.47%	0.204%
88	14.362	2085	2087	2089	rVB	96609	73252	2.20%	0.182%
89	14.392	2089	2092	2093	rVV	124142	116021	3.48%	0.288%
90	14.410	2093	2095	2098	rVV	141632	120423	3.61%	0.299%
91	14.457	2101	2103	2109	rVB3	85957	89979	2.70%	0.223%
92	14.751	2150	2153	2155	rBV2	96042	100436	3.01%	0.249%
93	14.904	2174	2179	2182	rBV	705698	1099946	33.01%	2.730%
94	15.004	2193	2196	2200	rVB	194569	216168	6.49%	0.536%
95	15.192	2224	2228	2234	rVB	391858	509891	15.30%	1.265%
96	15.251	2234	2238	2243	rBV	637209	770340	23.12%	1.912%
97	15.309	2244	2248	2251	rVV	539708	665198	19.96%	1.651%
98	15.339	2251	2253	2260	rVB2	174796	226176	6.79%	0.561%
99	16.715	2481	2487	2494	rBV	205258	437356	13.12%	1.085%
100	17.139	2554	2559	2566	rVB	157299	292267	8.77%	0.725%

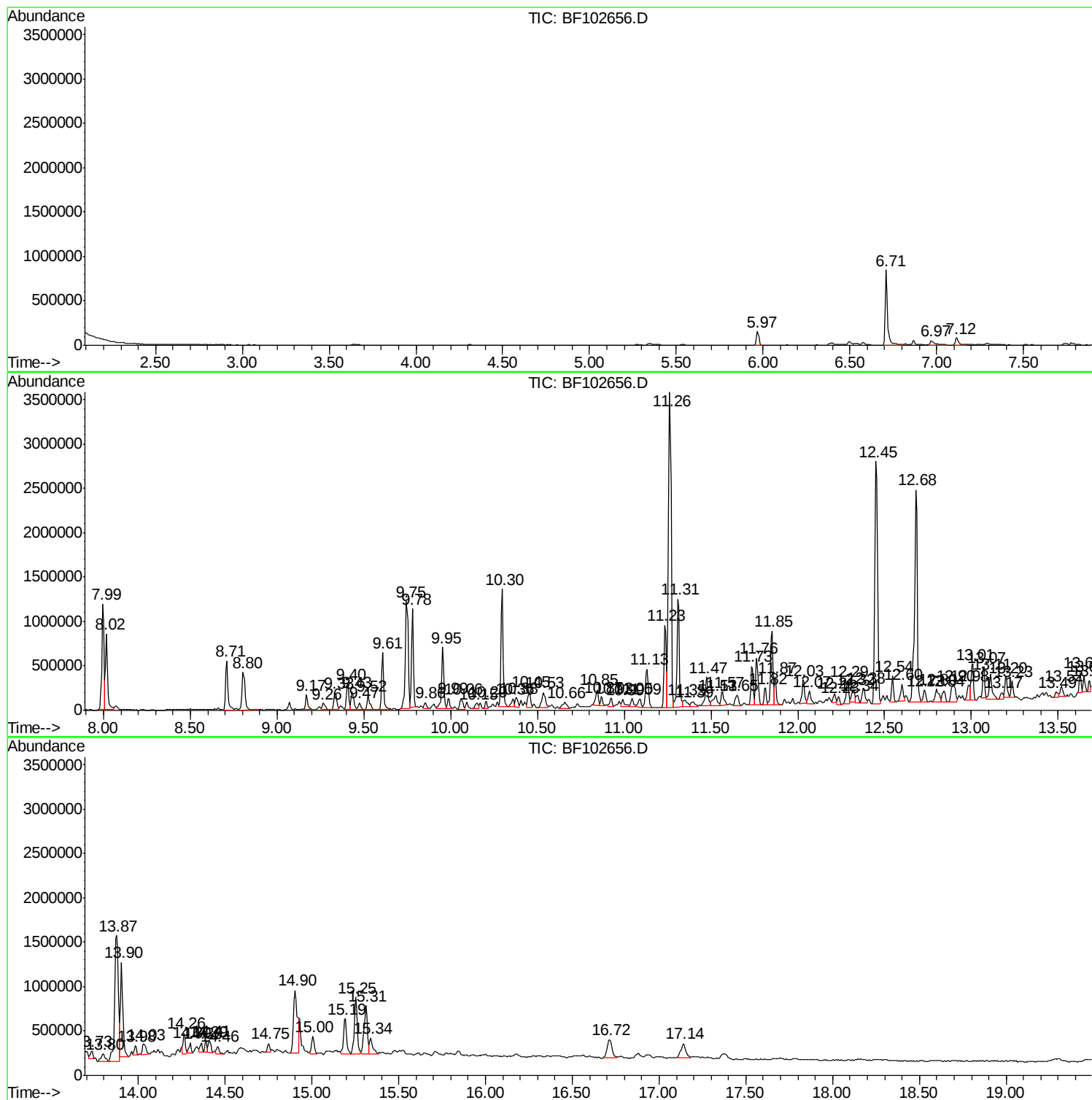
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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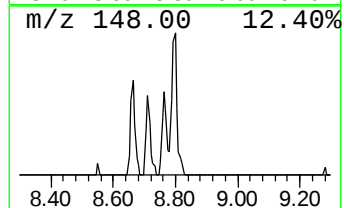
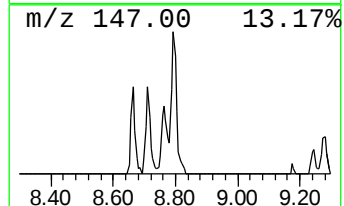
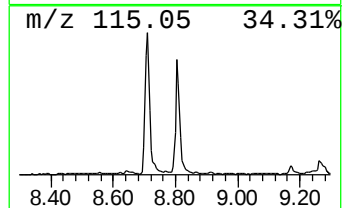
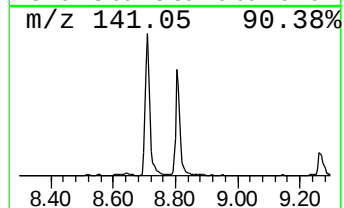
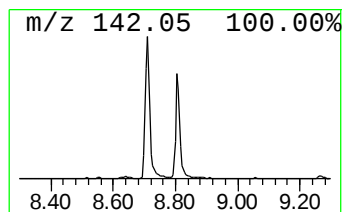
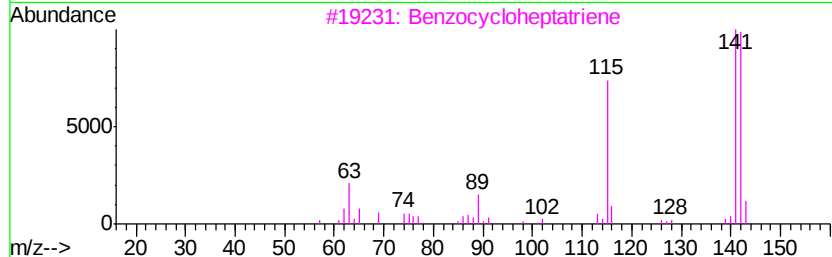
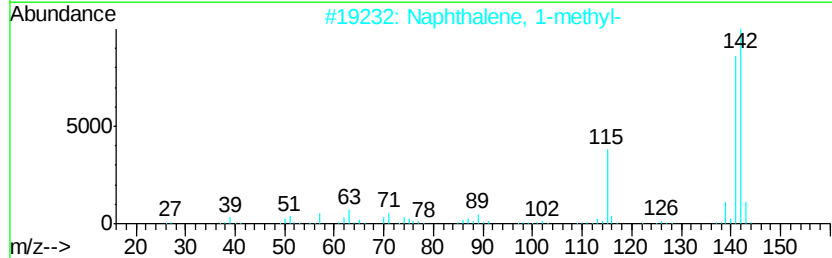
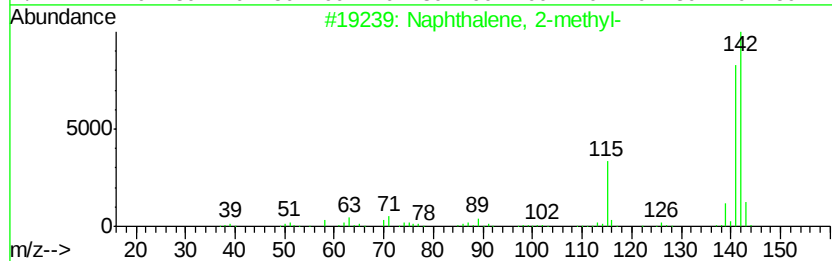
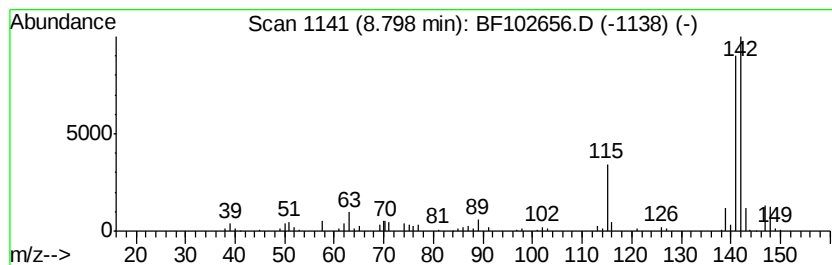
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.80	8.38 ng	439241	Naphthalene-d8	7.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	49



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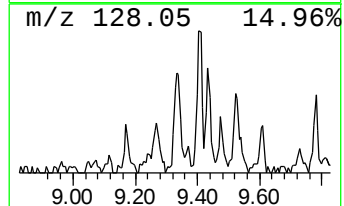
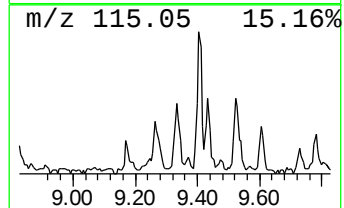
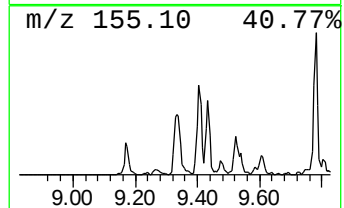
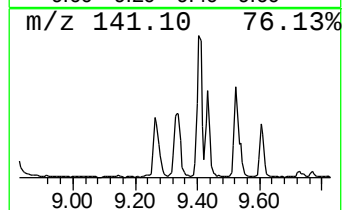
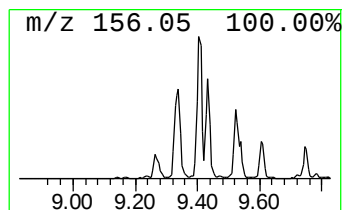
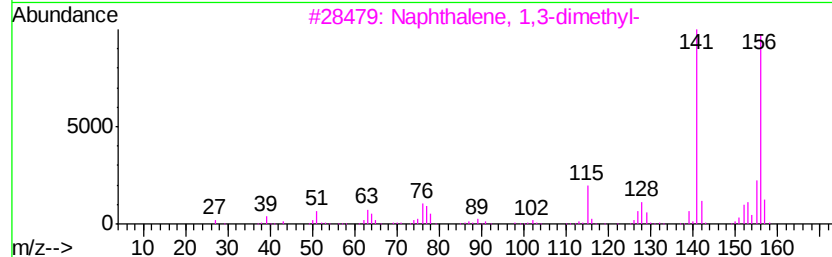
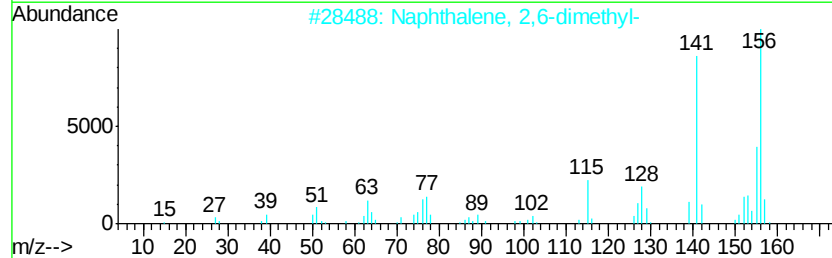
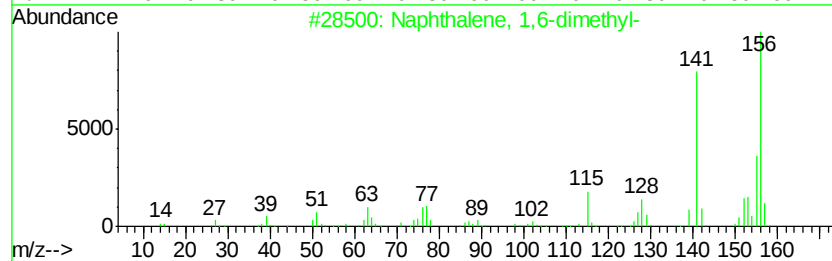
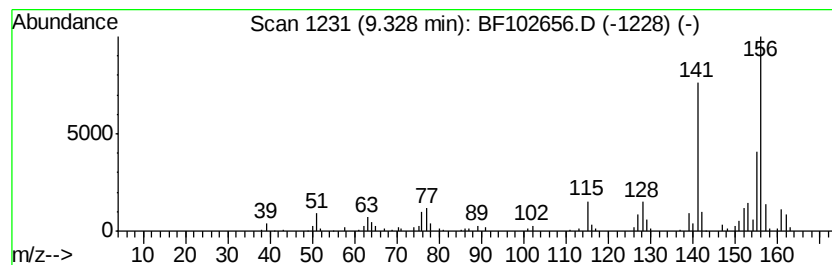
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	4.21 ng	249636	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



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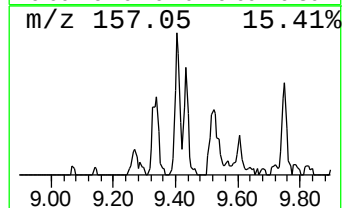
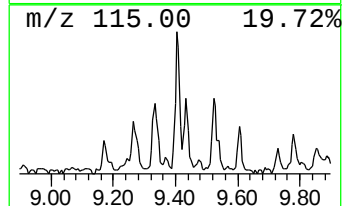
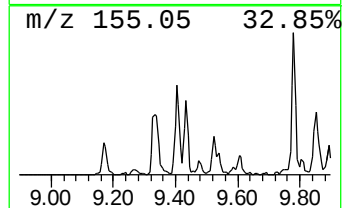
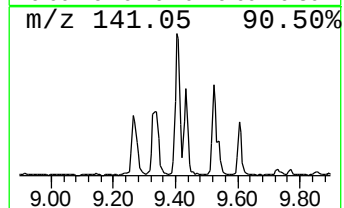
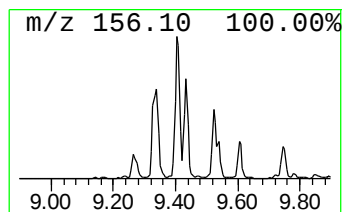
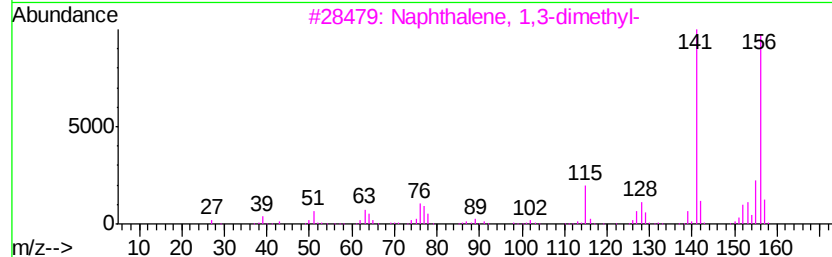
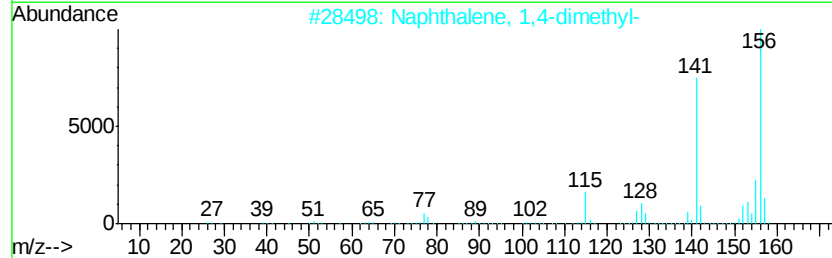
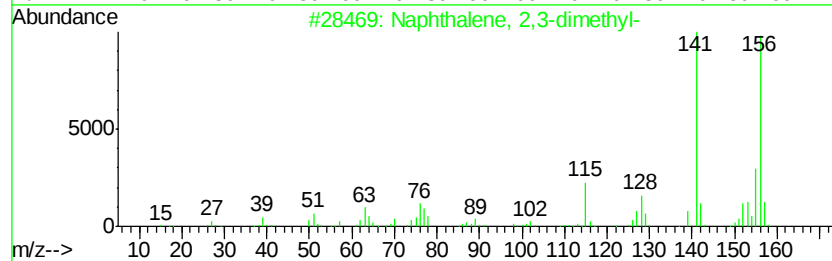
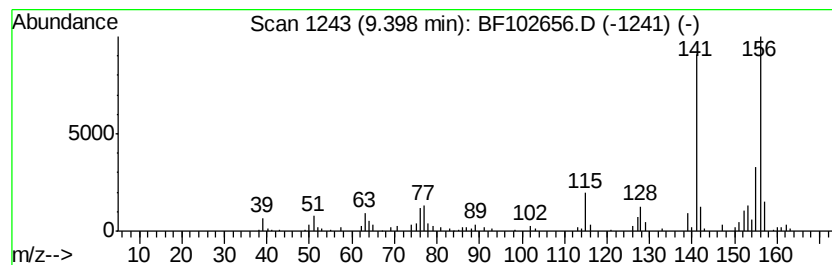
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.40	5.33 ng	316149	Acenaphthene-d10	9.75	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-01

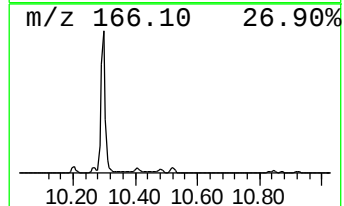
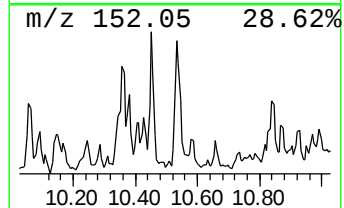
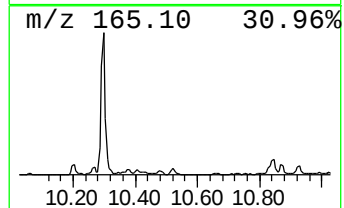
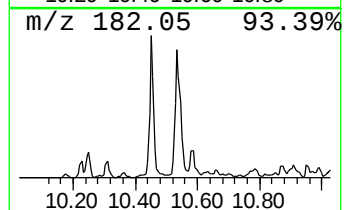
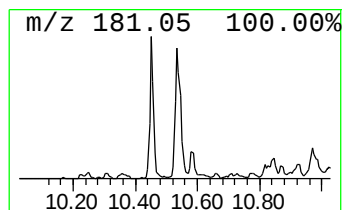
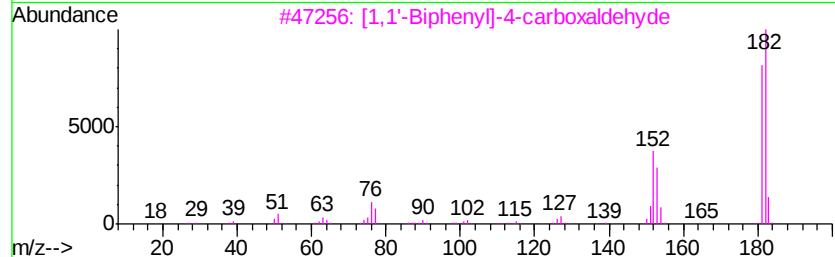
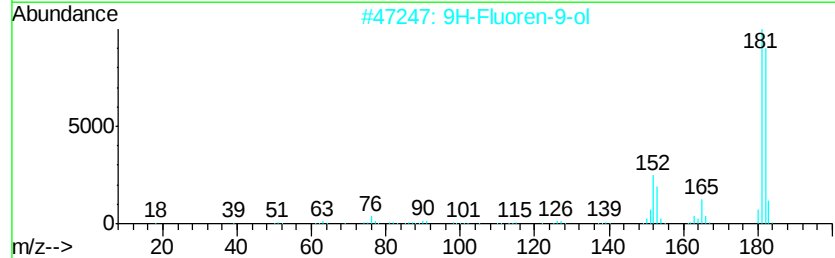
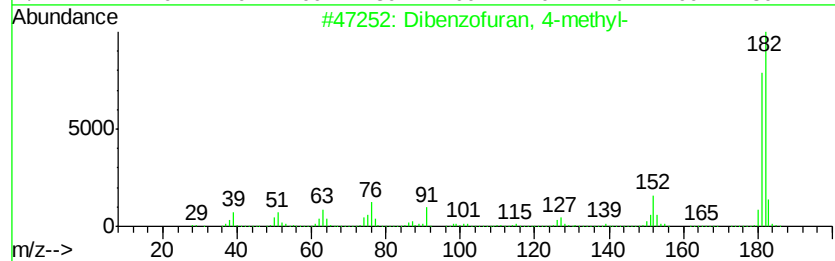
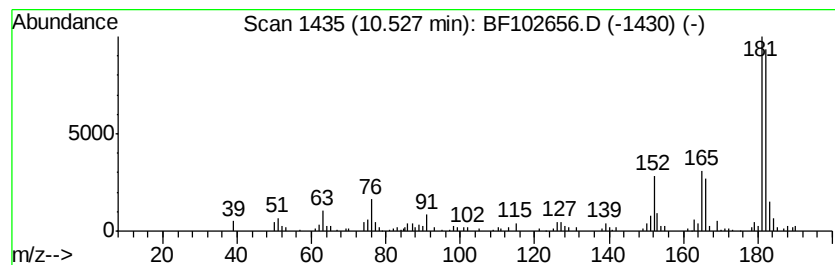
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	6.20 ng	288236	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4		3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5		Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
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Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

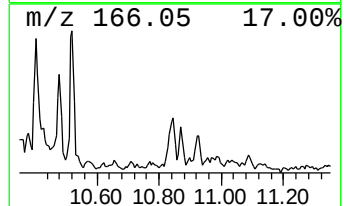
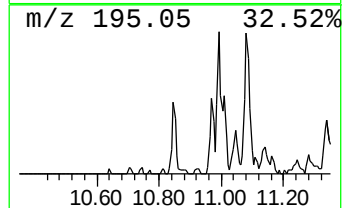
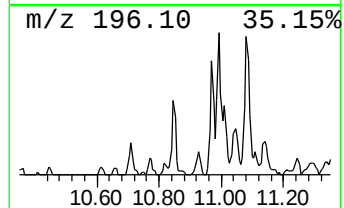
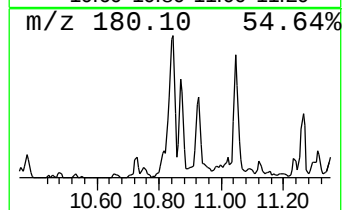
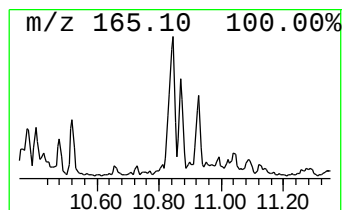
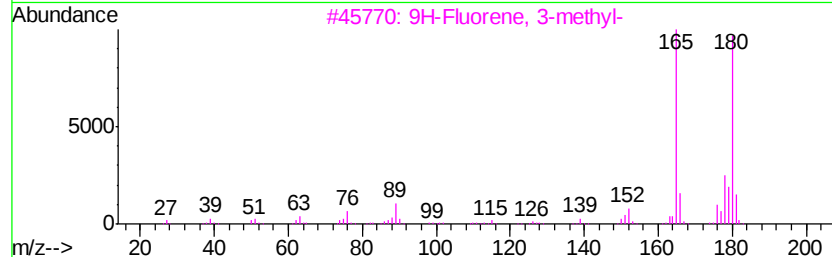
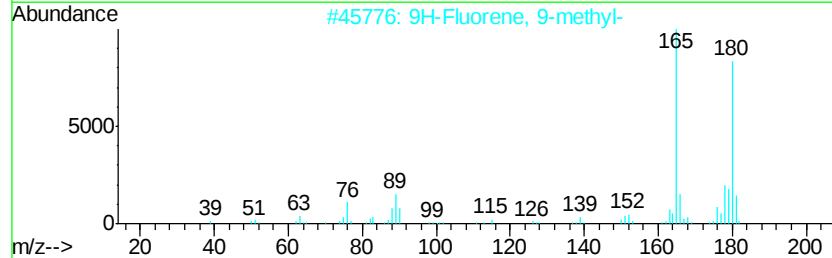
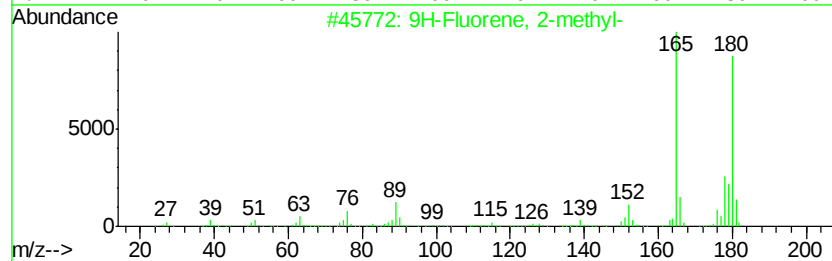
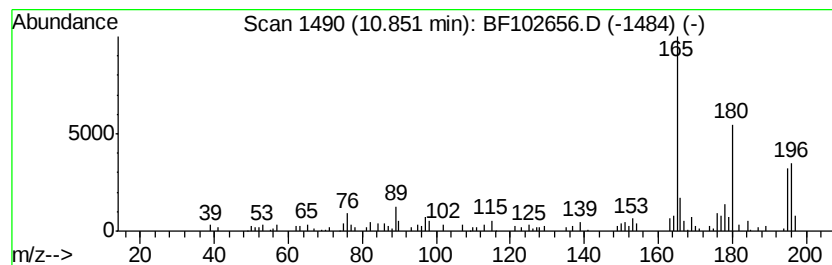
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.85	4.23 ng	196976	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	89
2	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	89
3	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	76
4	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	70
5	4a,9a-Methano-9H-fluorene		180	C14H12	019540-84-2	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
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Instrument :
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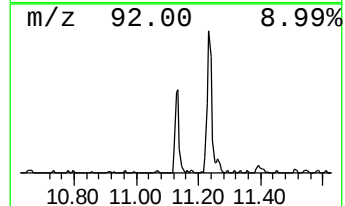
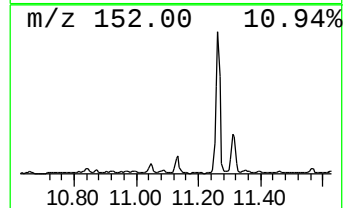
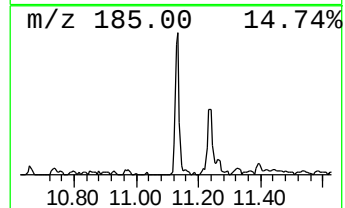
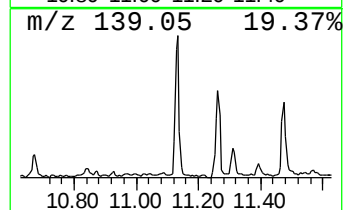
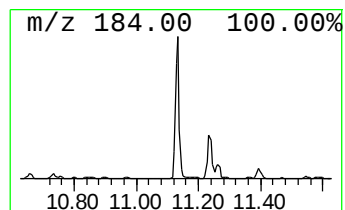
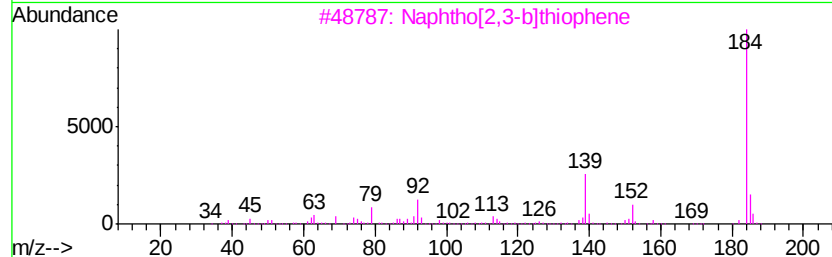
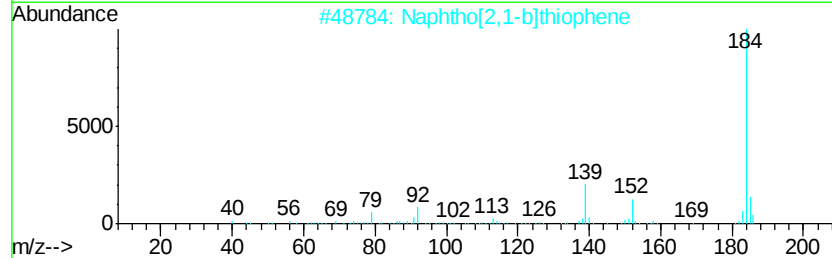
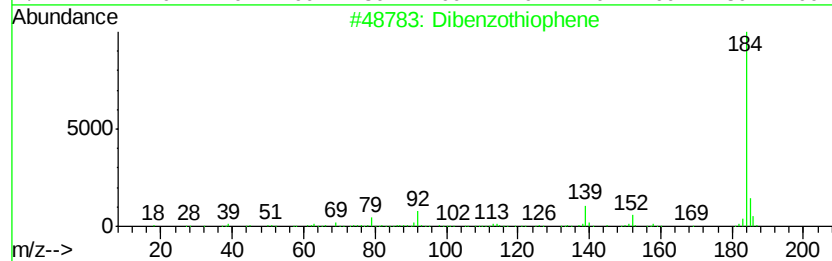
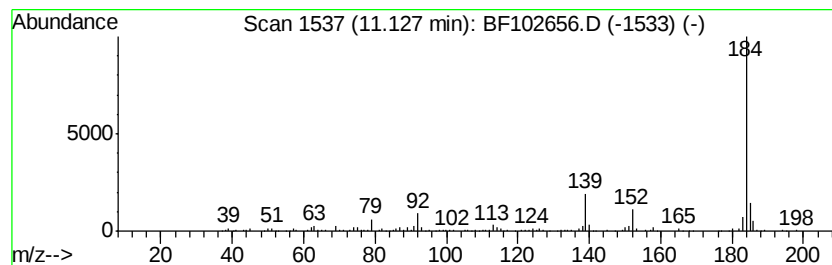
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	9.49 ng	441594	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5		2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
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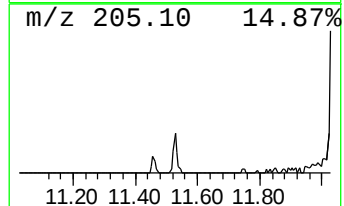
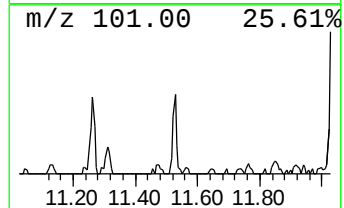
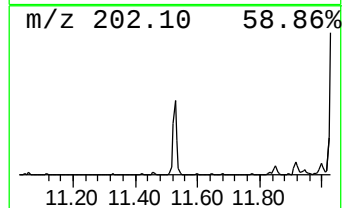
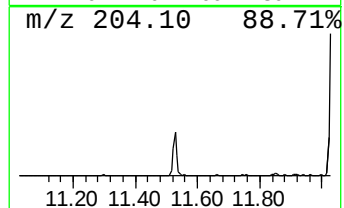
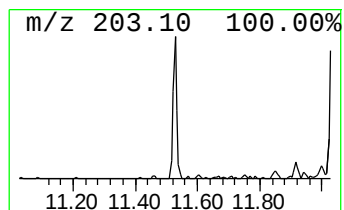
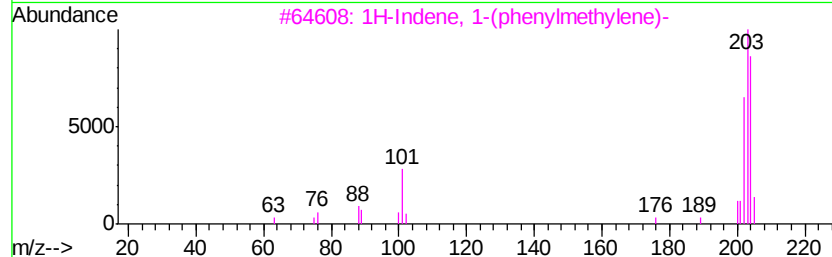
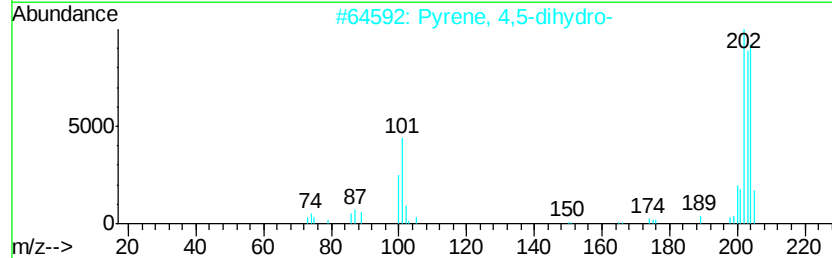
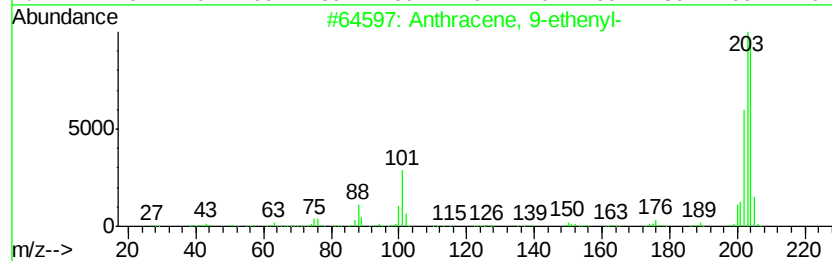
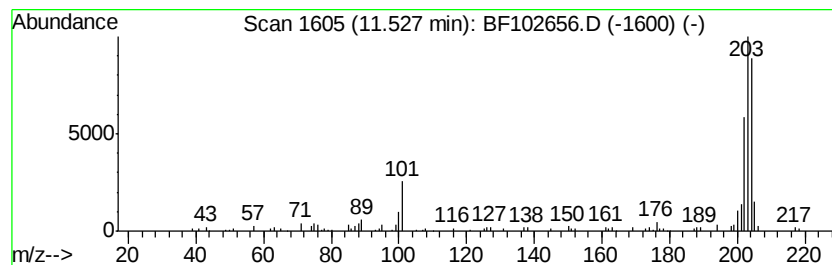
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.53	4.09 ng	190323	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2		Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	81
3		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	74
5		Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
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Misc :
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Instrument :
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ClientSampleId :
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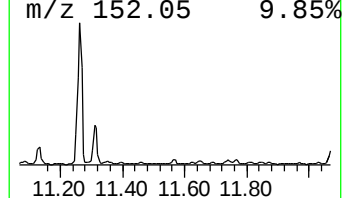
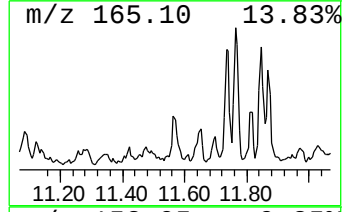
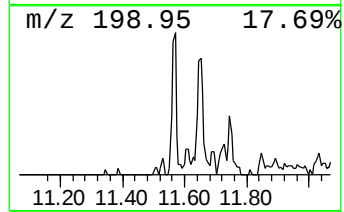
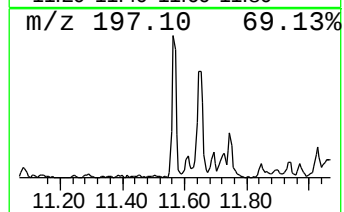
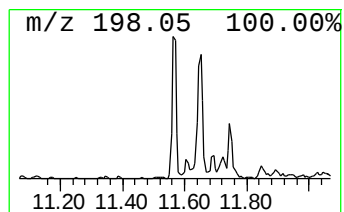
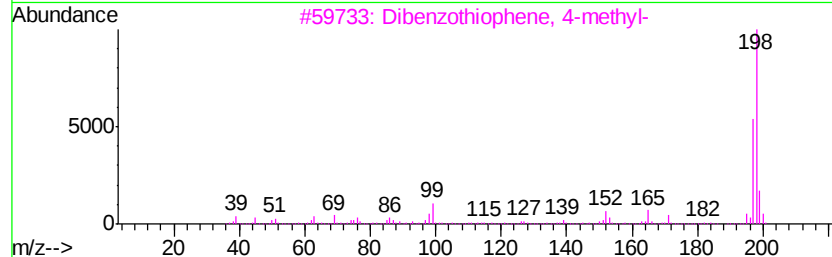
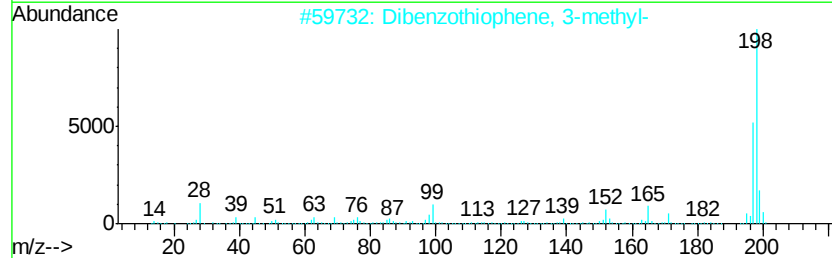
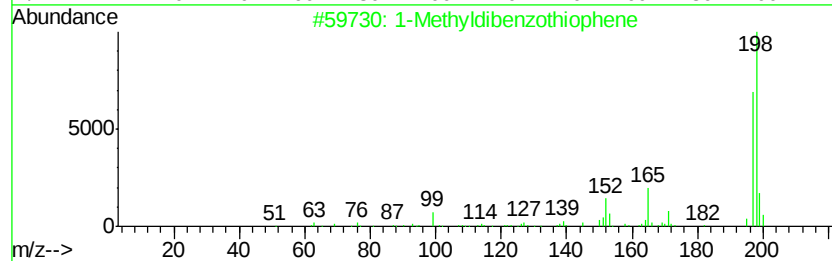
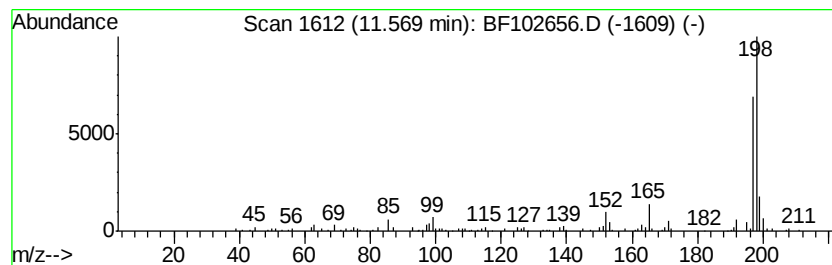
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	3.69 ng	171830	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

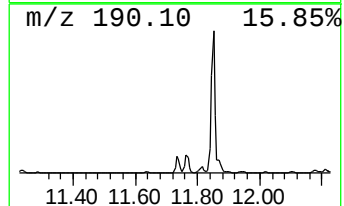
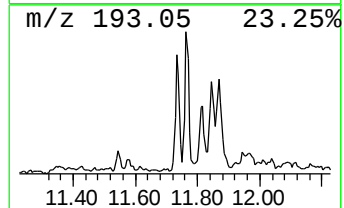
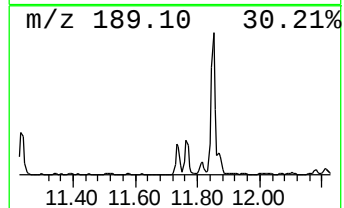
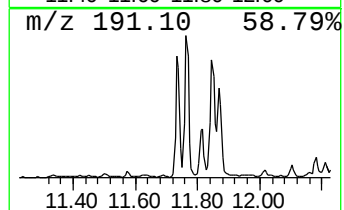
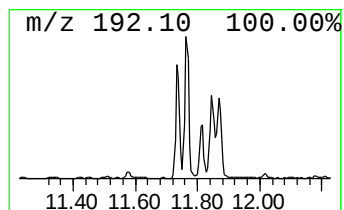
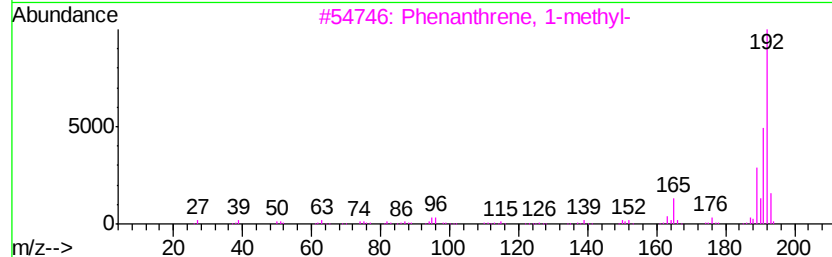
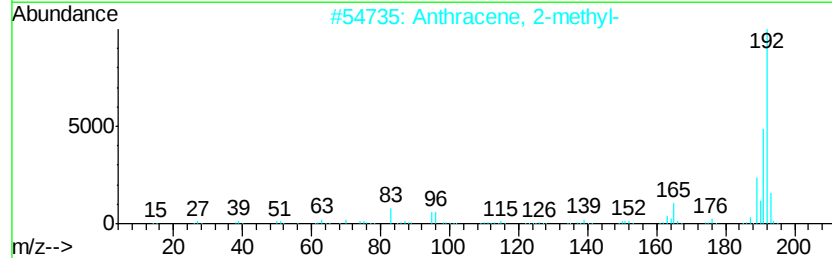
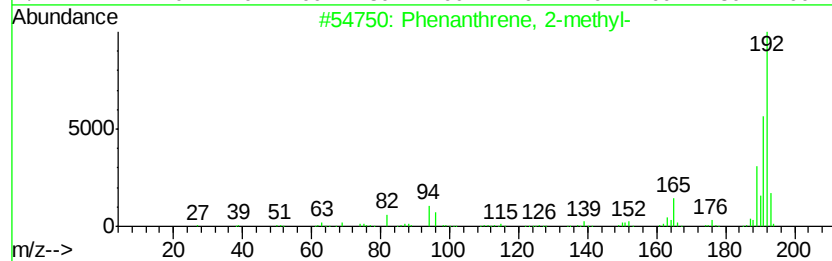
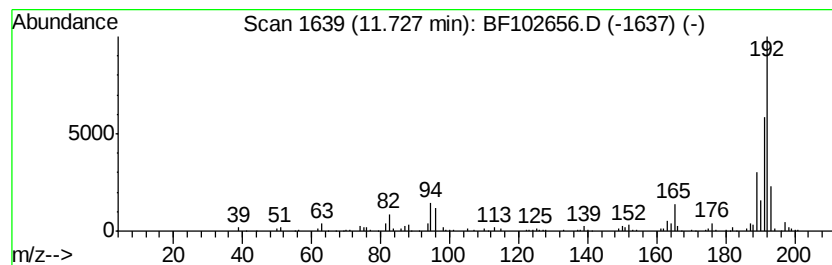
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	9.47 ng	440488	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
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Sample : J1363-01 50X
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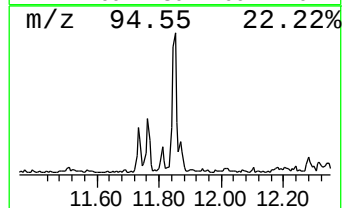
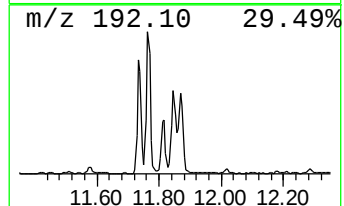
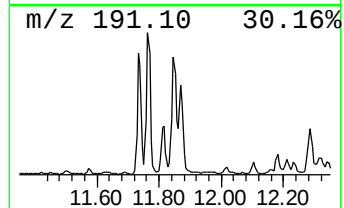
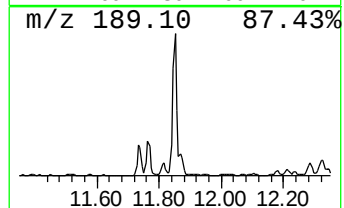
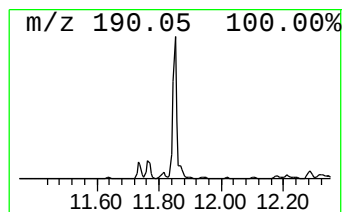
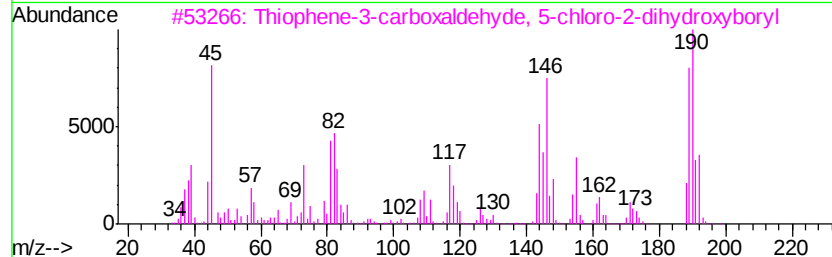
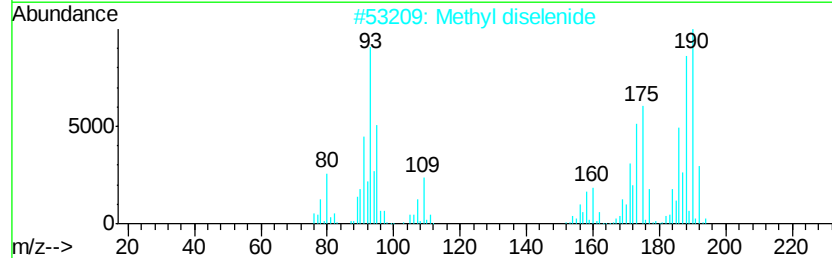
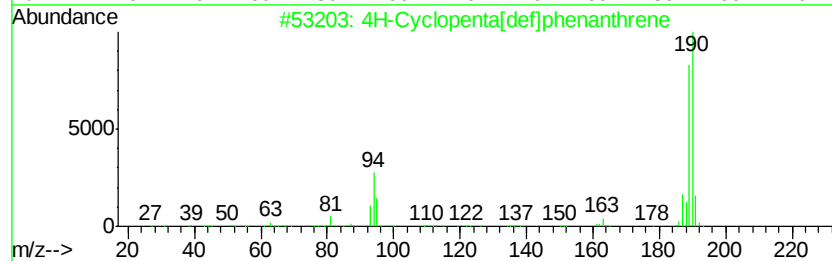
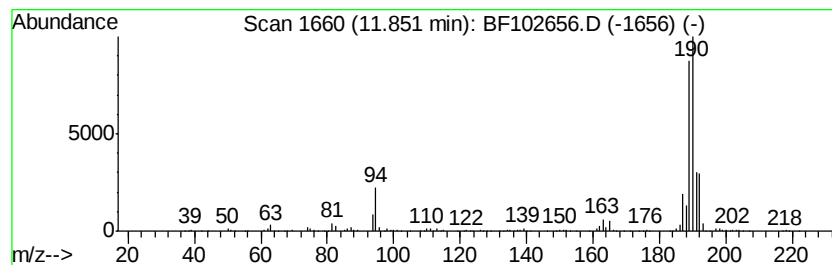
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.85	18.83 ng	875769	Phenanthrene-d10	11.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Methyl diselenide	190	C2H6Se2	007101-31-7	55
3		Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	52
4		2,3,5,6-Tetramethylterephthalaldehyde	190	C12H14O2	007072-01-7	50
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

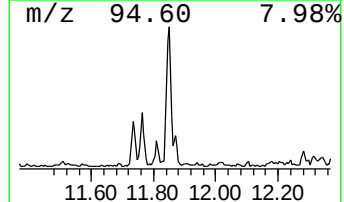
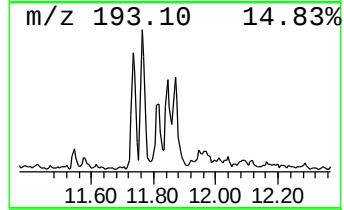
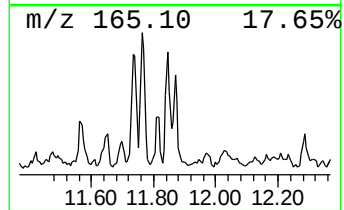
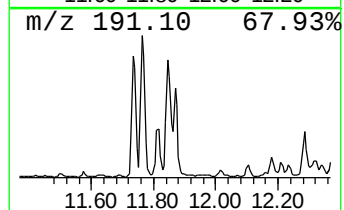
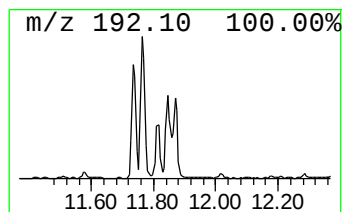
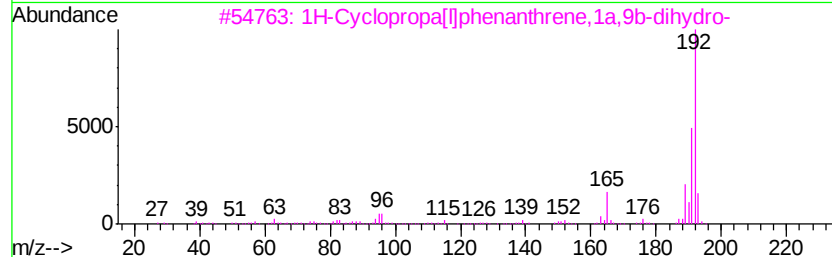
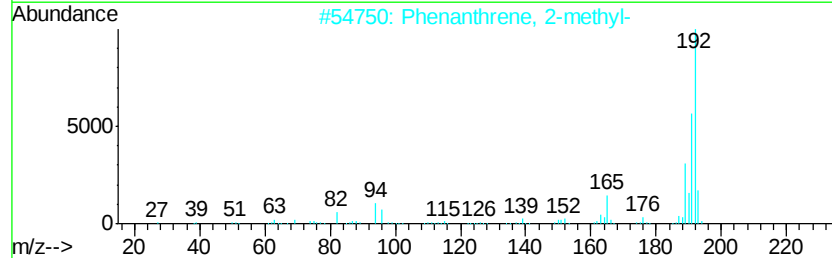
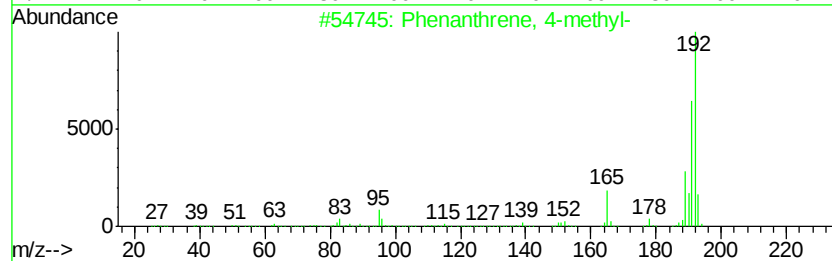
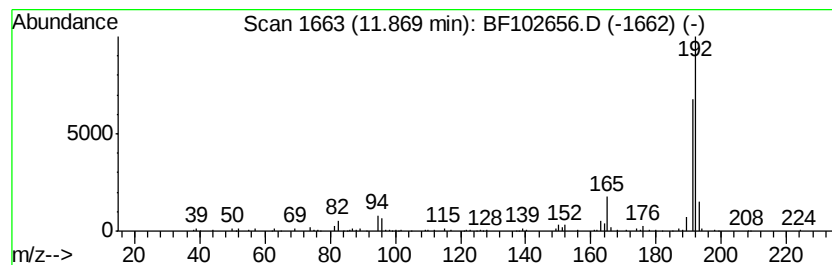
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	4.83 ng	224873	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-01

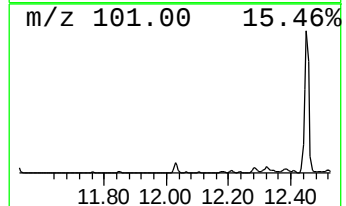
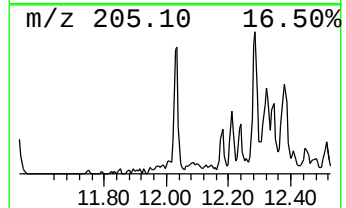
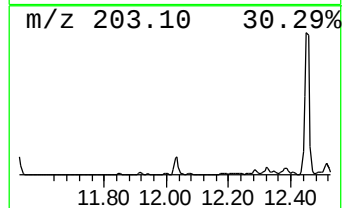
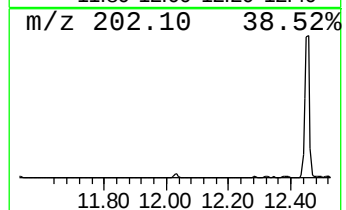
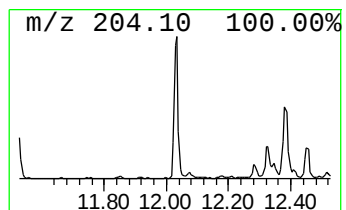
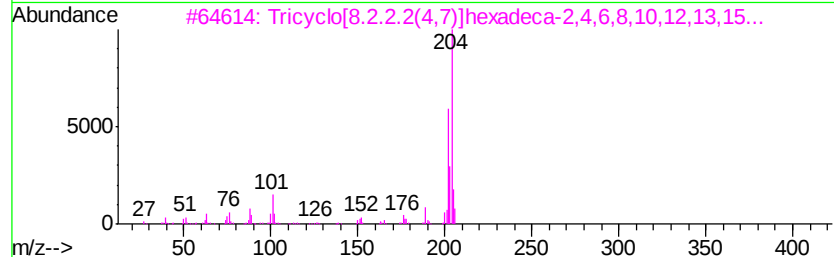
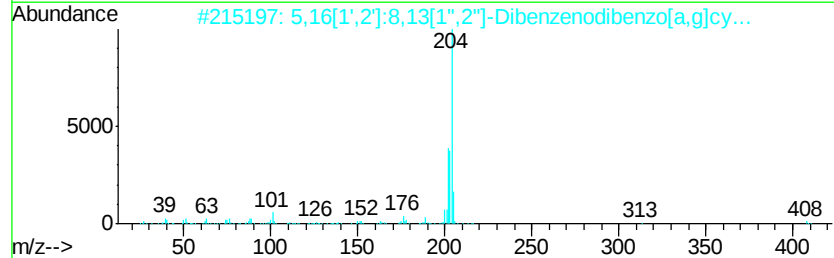
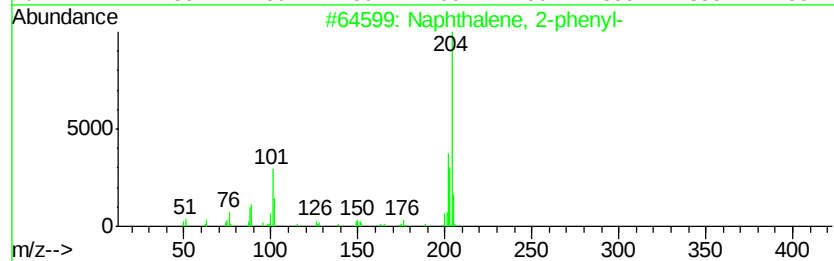
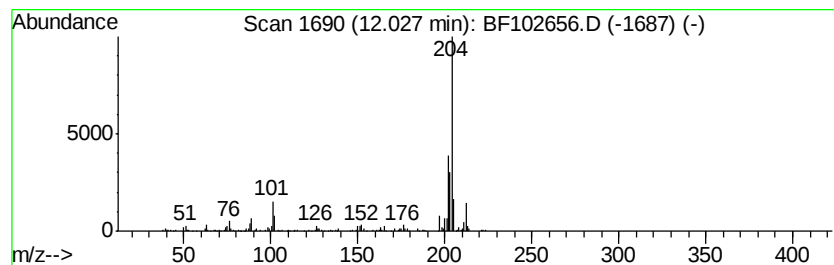
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.12 ng	284784	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

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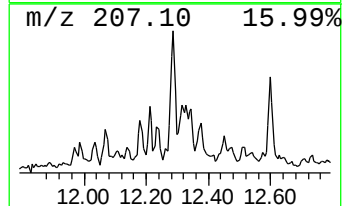
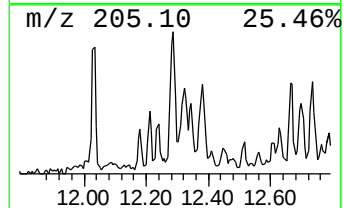
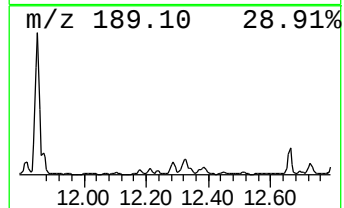
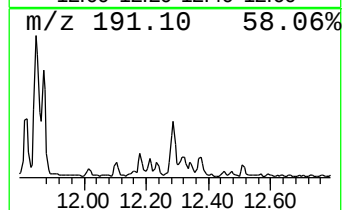
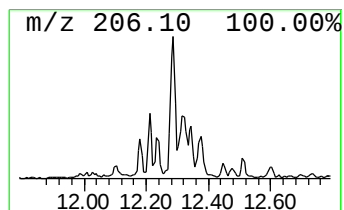
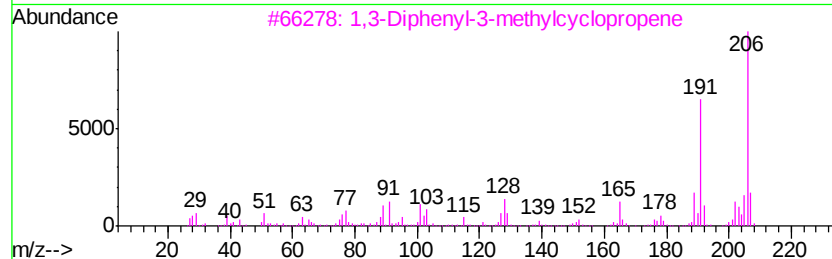
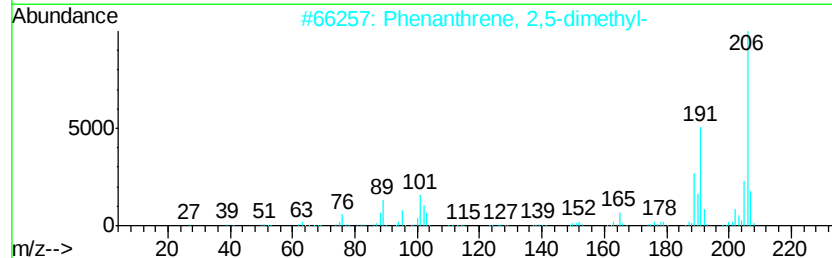
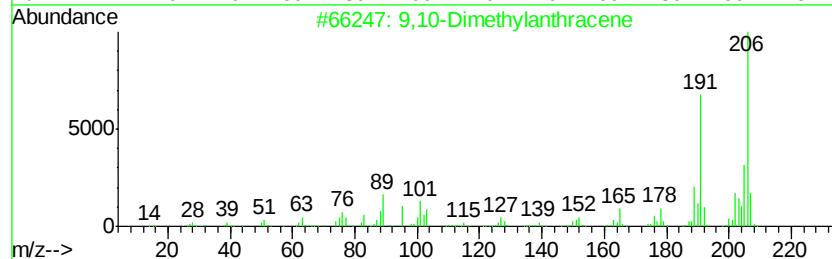
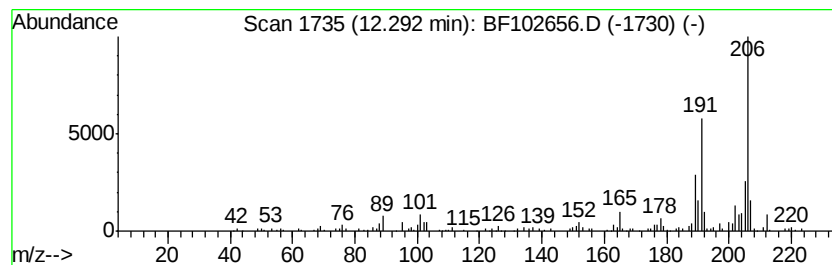
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.57 ng	259301	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene	206	C16H14	000781-43-1	97		
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95		
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94		
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93		
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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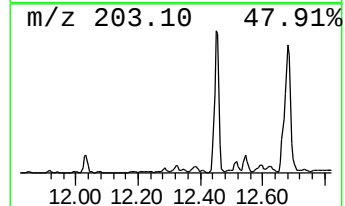
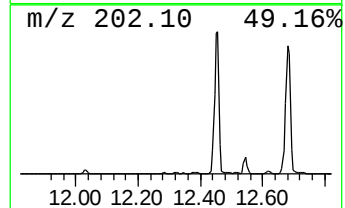
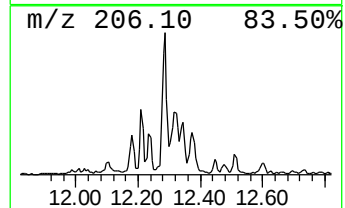
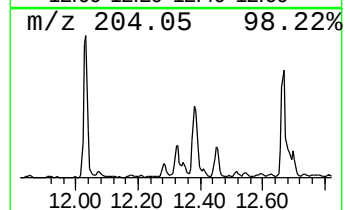
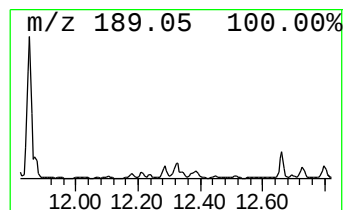
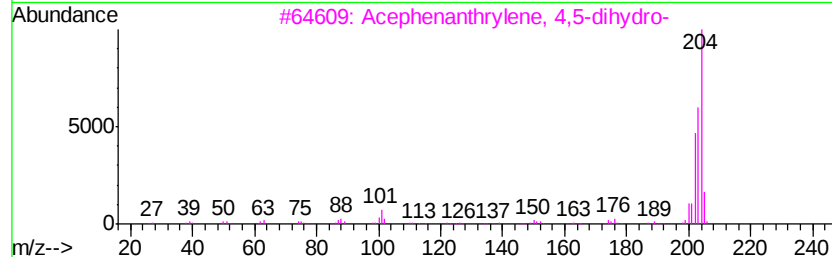
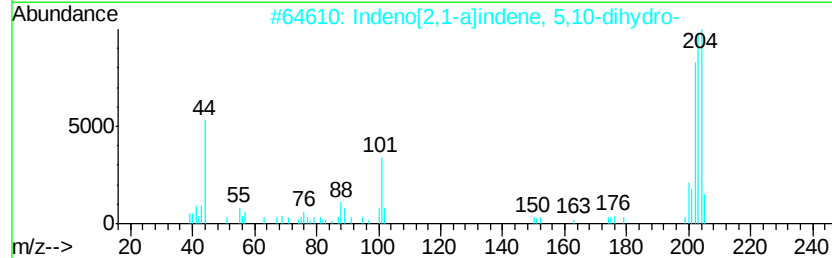
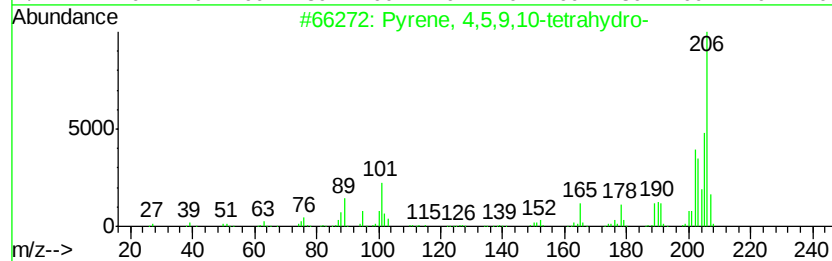
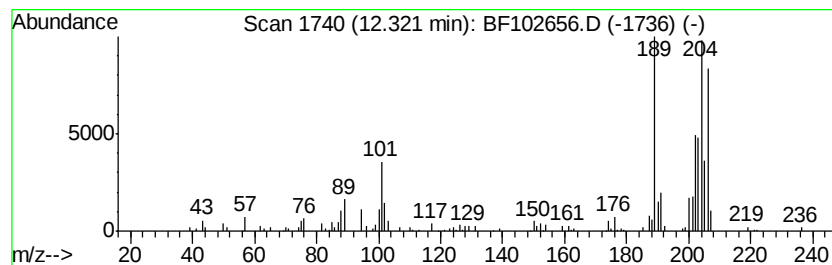
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.13 ng	192073	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	81
2			Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	60
3			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5			5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
Sample : J1363-01 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-01

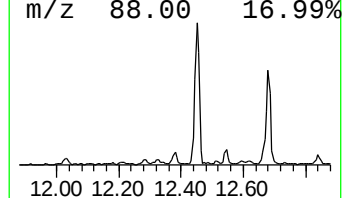
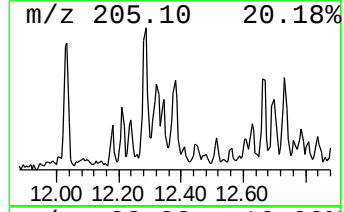
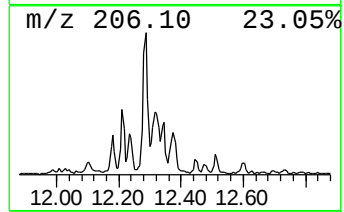
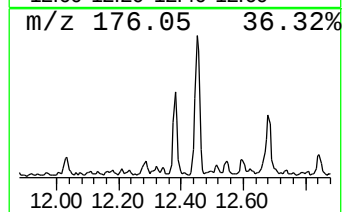
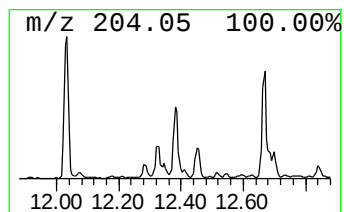
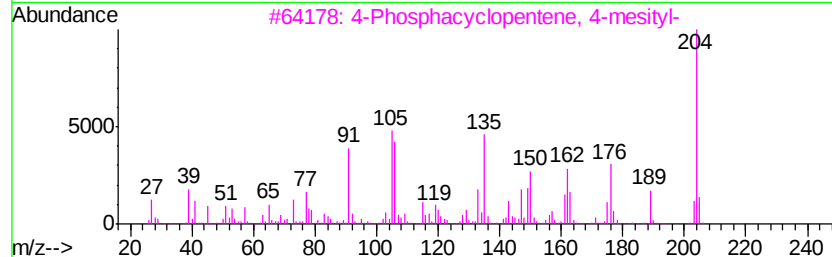
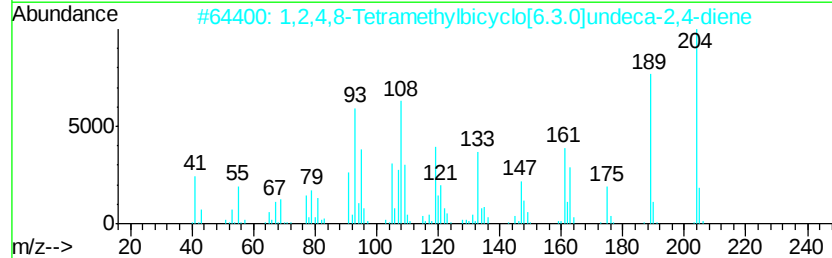
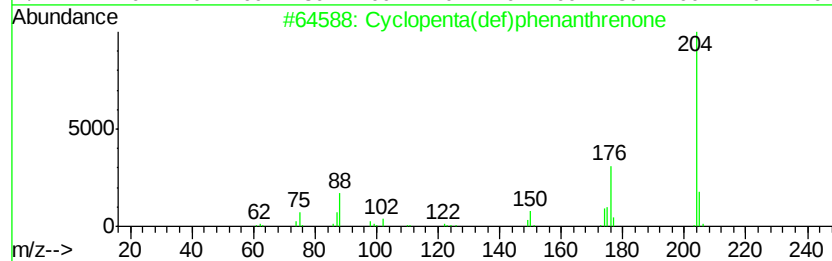
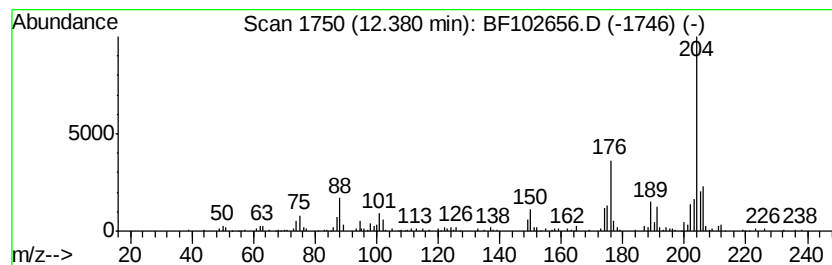
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.63 ng	215379	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	53
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
Data File : BF102656.D
Acq On : 30 Jan 2018 22:51
Operator : SJ/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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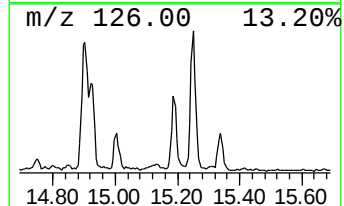
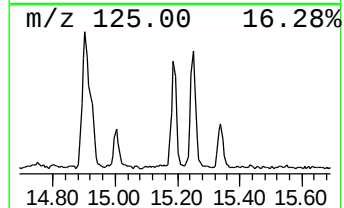
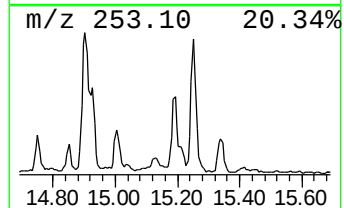
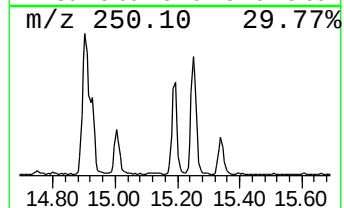
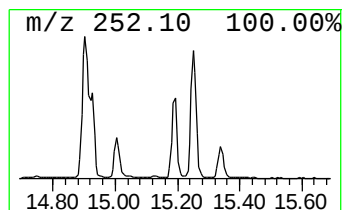
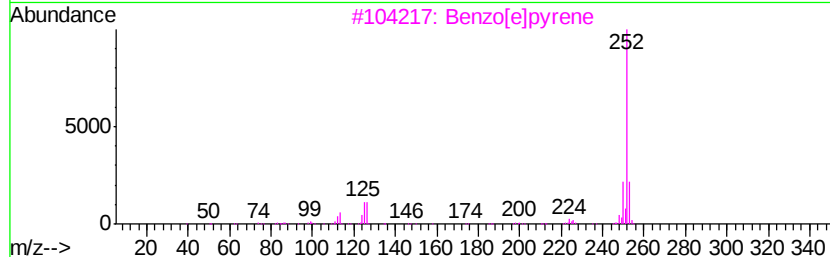
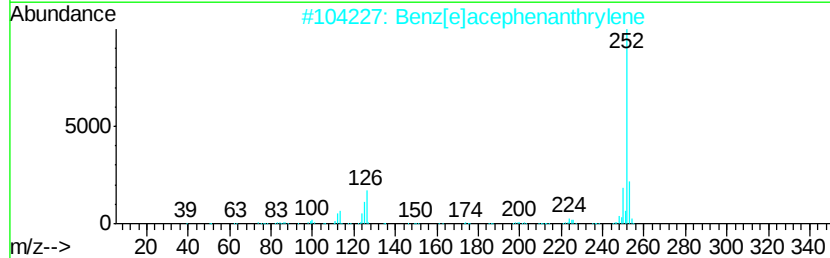
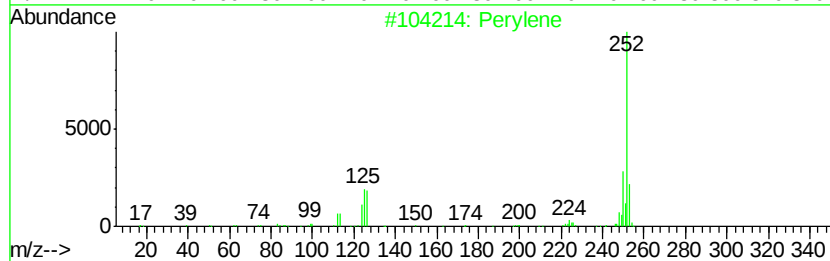
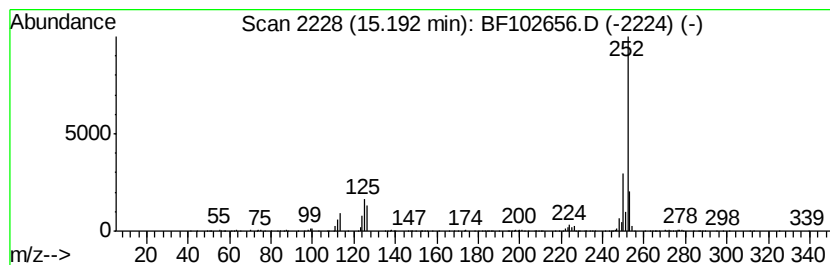
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	15.33 ng	509891	Perylene-d12	15.31

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013018\
 Data File : BF102656.D
 Acq On : 30 Jan 2018 22:51
 Operator : SJ/JU
 Sample : J1363-01 50X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-01

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1-me...	8.80	8.4	ng	439241	2	7.99	1047700	20.0
Naphthalene, 1,6-...	9.33	4.2	ng	249636	3	9.75	1186920	20.0
Naphthalene, 2,3-...	9.40	5.3	ng	316149	3	9.75	1186920	20.0
Dibenzofuran, 4-m...	10.53	6.2	ng	288236	4	11.23	930234	20.0
9H-Fluorene, 2-me...	10.85	4.2	ng	196976	4	11.23	930234	20.0
Dibenzothiophene	11.13	9.5	ng	441594	4	11.23	930234	20.0
Anthracene, 9-eth...	11.53	4.1	ng	190323	4	11.23	930234	20.0
1-Methyldibenzoth...	11.57	3.7	ng	171830	4	11.23	930234	20.0
Phenanthrene, 2-m...	11.73	9.5	ng	440488	4	11.23	930234	20.0
4H-Cyclopenta[def...	11.85	18.8	ng	875769	4	11.23	930234	20.0
Phenanthrene, 4-m...	11.87	4.8	ng	224873	4	11.23	930234	20.0
Naphthalene, 2-ph...	12.03	6.1	ng	284784	4	11.23	930234	20.0
9,10-Dimethylanth...	12.29	5.6	ng	259301	4	11.23	930234	20.0
Pyrene, 4,5,9,10-...	12.32	4.1	ng	192073	4	11.23	930234	20.0
Cyclopenta(def)ph...	12.38	4.6	ng	215379	4	11.23	930234	20.0
Perylene	15.19	15.3	ng	509891	6	15.31	665198	20.0