

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103275.D
 Acq On : 27 Feb 2018 20:41
 Operator : SJ/JU
 Sample : J1698-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

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-BF022218.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	5.492	576	579	595	rBV	359386	421483	7.16%	0.323%
2	6.504	748	751	768	rVB	326639	432191	7.34%	0.331%
3	6.645	771	775	781	rBV	455285	437968	7.44%	0.336%
4	6.875	810	814	821	rBV	1076049	998070	16.95%	0.765%
5	8.157	1028	1032	1034	rVV	1506104	1333756	22.65%	1.022%
6	8.181	1034	1036	1038	rVV	590224	497455	8.45%	0.381%
7	8.875	1150	1154	1157	rBV	2841675	2452422	41.64%	1.880%
8	8.975	1165	1171	1174	rBV	2980376	2771298	47.05%	2.124%
9	9.228	1209	1214	1218	rBV	609297	605035	10.27%	0.464%
10	9.333	1229	1232	1237	rVB	584535	485838	8.25%	0.372%
11	9.428	1246	1248	1254	rVB	1017892	1264912	21.48%	0.969%
12	9.504	1255	1261	1264	rBV	2731856	3995159	67.83%	3.062%
13	9.580	1269	1274	1276	rBV	3372765	4153391	70.52%	3.183%
14	9.604	1276	1278	1283	rVB	2763107	2412220	40.96%	1.849%
15	9.692	1288	1293	1298	rBV	2265440	2715817	46.11%	2.081%
16	9.775	1304	1307	1313	rVB2	1838571	1638425	27.82%	1.256%
17	9.833	1313	1317	1320	rVB	465158	488420	8.29%	0.374%
18	9.892	1324	1327	1329	rBV	993007	849250	14.42%	0.651%
19	9.916	1329	1331	1333	rVB2	1001323	727990	12.36%	0.558%
20	9.951	1333	1337	1339	rVB2	1667489	1375677	23.36%	1.054%
21	9.975	1339	1341	1345	rVB2	450056	451360	7.66%	0.346%
22	10.022	1345	1349	1353	rBV2	1305907	1918573	32.58%	1.470%
23	10.057	1353	1355	1359	rBV2	496906	616230	10.46%	0.472%
24	10.116	1361	1365	1369	rVB3	1923073	2136381	36.27%	1.637%
25	10.157	1369	1372	1375	rVB	2038105	1837955	31.21%	1.409%
26	10.233	1380	1385	1387	rBV	1722039	1830554	31.08%	1.403%
27	10.263	1387	1390	1393	rVB	1525942	1154653	19.61%	0.885%
28	10.327	1394	1401	1402	rBV	1205270	2000542	33.97%	1.533%
29	10.416	1410	1416	1418	rVB2	864698	1091137	18.53%	0.836%
30	10.469	1421	1425	1430	rVB2	2303028	2752636	46.74%	2.110%
31	10.516	1430	1433	1434	rBV2	610066	515399	8.75%	0.395%
32	10.551	1437	1439	1441	rVB2	938412	746092	12.67%	0.572%
33	10.575	1441	1443	1446	rVB2	559121	473758	8.04%	0.363%
34	10.610	1446	1449	1450	rBV2	452007	532462	9.04%	0.408%

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Integrator: RTE

Smoothing : ON

Sampling : 1

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Stop Thrs : 0

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Max Peaks: 100

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

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
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35	10.704	1462	1465	1469	rVV3	676254	817191	13.88%	0.626%
36	10.810	1480	1483	1484	rBV	696079	714416	12.13%	0.548%
37	10.827	1484	1486	1492	rVB2	857746	887882	15.08%	0.680%
38	10.904	1496	1499	1501	rBV	565067	517815	8.79%	0.397%
39	11.016	1512	1518	1521	rBV2	1411474	1954293	33.18%	1.498%
40	11.045	1521	1523	1526	rBV2	1204148	901699	15.31%	0.691%
41	11.098	1530	1532	1535	rVB	969178	756277	12.84%	0.580%
42	11.216	1549	1552	1556	rVB4	394856	459319	7.80%	0.352%
43	11.257	1556	1559	1562	rBV3	776610	667373	11.33%	0.511%
44	11.310	1565	1568	1577	rVB	1430081	1497649	25.43%	1.148%
45	11.410	1581	1585	1587	rBV	747708	906965	15.40%	0.695%
46	11.451	1587	1592	1596	rVB	4334710	5889583	100.00%	4.514%
47	11.492	1596	1599	1601	rBV	1981861	1704822	28.95%	1.307%
48	11.522	1601	1604	1606	rVV2	563526	583466	9.91%	0.447%
49	11.563	1609	1611	1617	rVB4	411638	614546	10.43%	0.471%
50	11.639	1621	1624	1626	rBV2	429667	501143	8.51%	0.384%
51	11.745	1637	1642	1645	rBV2	1287992	1461824	24.82%	1.120%
52	11.827	1651	1656	1659	rBV	891916	1058217	17.97%	0.811%
53	11.916	1667	1671	1674	rBV	2452454	2967547	50.39%	2.274%
54	11.951	1674	1677	1680	rVB	3029119	2872182	48.77%	2.201%
55	11.992	1680	1684	1687	rBV2	1239972	1331398	22.61%	1.020%
56	12.033	1687	1691	1693	rBV2	2811271	3448467	58.55%	2.643%
57	12.057	1693	1695	1699	rVB	2422778	1879884	31.92%	1.441%
58	12.145	1707	1710	1713	rVB	525135	427865	7.26%	0.328%
59	12.210	1713	1721	1723	rBV2	1245945	1573129	26.71%	1.206%
60	12.245	1725	1727	1731	rVB4	782186	708806	12.03%	0.543%
61	12.339	1741	1743	1744	rBV	506226	413656	7.02%	0.317%
62	12.357	1744	1746	1749	rVV	627841	458705	7.79%	0.352%
63	12.392	1749	1752	1754	rVV	882111	705641	11.98%	0.541%
64	12.416	1754	1756	1758	rVB2	813479	636416	10.81%	0.488%
65	12.469	1758	1765	1768	rBV2	2172287	2986761	50.71%	2.289%
66	12.504	1768	1771	1773	rVV2	1041864	1343553	22.81%	1.030%
67	12.563	1777	1781	1784	rBV4	804872	1403930	23.84%	1.076%
68	12.639	1789	1794	1797	rBV	2998250	3672185	62.35%	2.814%
69	12.692	1801	1803	1806	rVB2	571441	453833	7.71%	0.348%
70	12.786	1815	1819	1821	rBV2	590784	609476	10.35%	0.467%
71	12.874	1827	1834	1837	rBV	3709710	5539345	94.05%	4.245%

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ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	12.916	1837	1841	1844	rVB2	808049	884451	15.02%	0.678%
73	12.968	1844	1850	1852	rBV3	418857	697063	11.84%	0.534%
74	13.016	1856	1858	1862	rVB	531126	527260	8.95%	0.404%
75	13.080	1864	1869	1875	rBV4	884722	1626742	27.62%	1.247%
76	13.133	1875	1878	1880	rBV	459498	429501	7.29%	0.329%
77	13.168	1880	1884	1885	rBV2	664831	762961	12.95%	0.585%
78	13.192	1885	1888	1893	rVB2	1189723	1518611	25.78%	1.164%
79	13.257	1896	1899	1902	rVB	822410	726688	12.34%	0.557%
80	13.298	1902	1906	1909	rBV	1300458	1298793	22.05%	0.995%
81	13.392	1918	1922	1924	rBV	1116836	1095466	18.60%	0.840%
82	13.421	1924	1927	1929	rVB	1228167	968194	16.44%	0.742%
83	13.551	1944	1949	1953	rBV4	298846	631111	10.72%	0.484%
84	13.674	1966	1970	1972	rBV2	329293	460051	7.81%	0.353%
85	13.704	1972	1975	1978	rVB2	611673	672670	11.42%	0.516%
86	13.810	1988	1993	1996	rBV3	747708	1194170	20.28%	0.915%
87	13.833	1996	1997	2000	rVB	562094	406864	6.91%	0.312%
88	13.868	2000	2003	2008	rBV3	392469	733780	12.46%	0.562%
89	14.057	2031	2035	2039	rBV2	1841974	2828504	48.03%	2.168%
90	14.098	2039	2042	2048	rVB	1901198	2063446	35.04%	1.581%
91	14.457	2098	2103	2106	rBV	914506	1047296	17.78%	0.803%
92	14.492	2106	2109	2113	rVB	502511	428372	7.27%	0.328%
93	14.586	2122	2125	2127	rBV	649202	605216	10.28%	0.464%
94	15.133	2213	2218	2220	rBV	743932	1076074	18.27%	0.825%
95	15.439	2266	2270	2275	rVB	701997	884284	15.01%	0.678%
96	15.509	2277	2282	2285	rVV	1027437	1325848	22.51%	1.016%
97	15.568	2289	2292	2295	rVV	348734	437457	7.43%	0.335%
98	15.604	2295	2298	2303	rVB3	254607	405952	6.89%	0.311%
99	17.092	2546	2551	2559	rVB2	359481	692654	11.76%	0.531%
100	17.562	2625	2631	2638	rVB	289399	605761	10.29%	0.464%

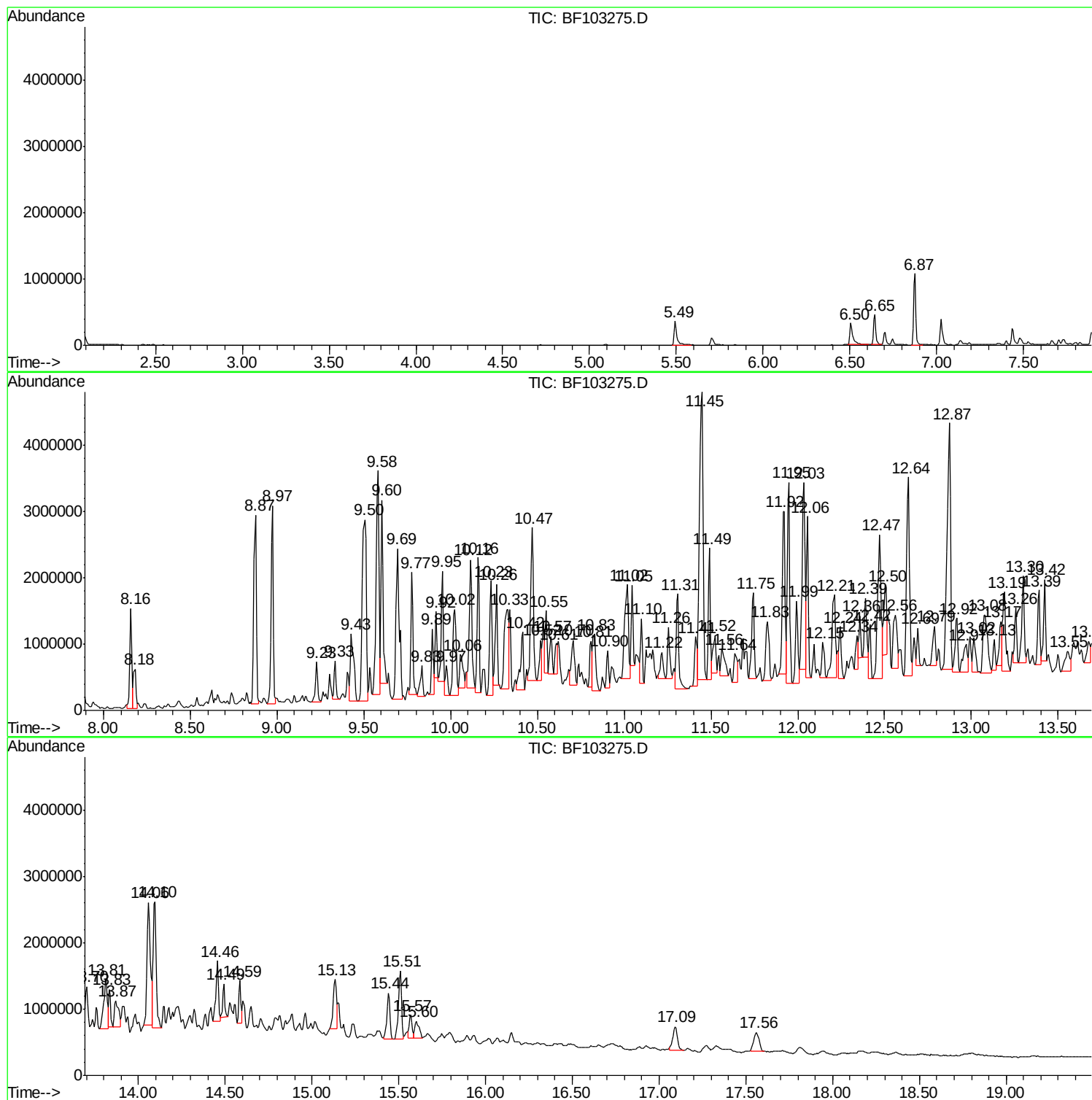
Sum of corrected areas: 130477008

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Instrument :
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ClientSampled :
B1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.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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Instrument :
BNA_F
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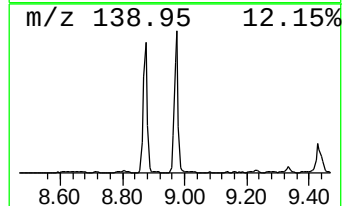
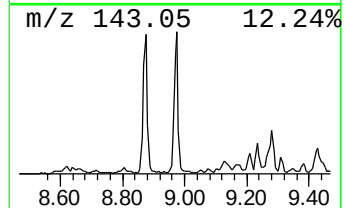
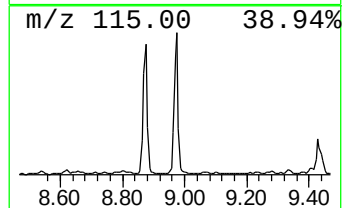
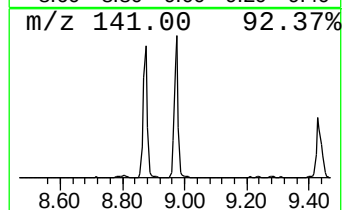
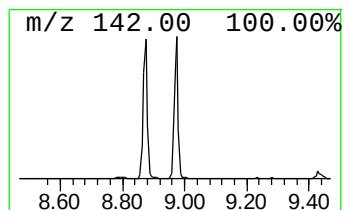
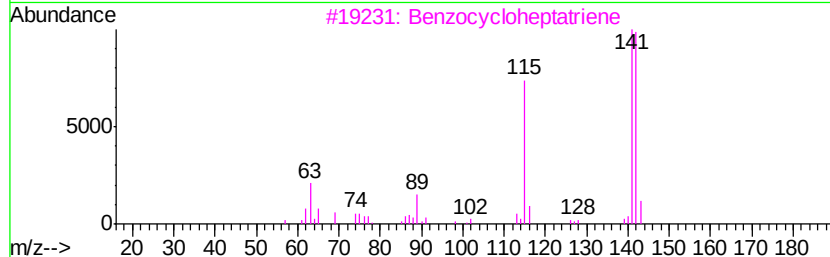
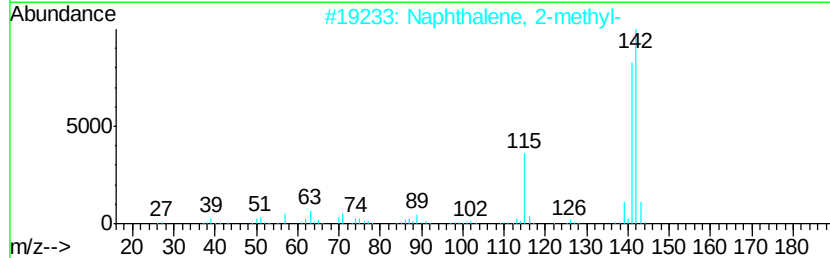
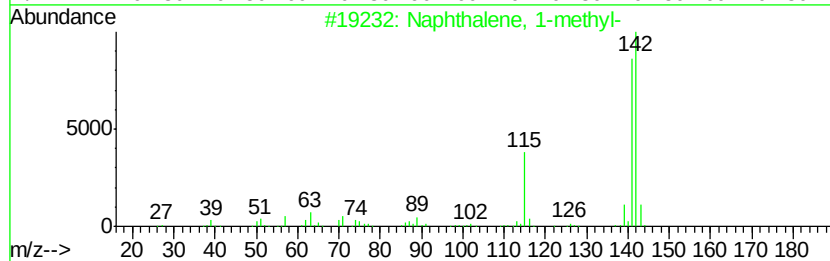
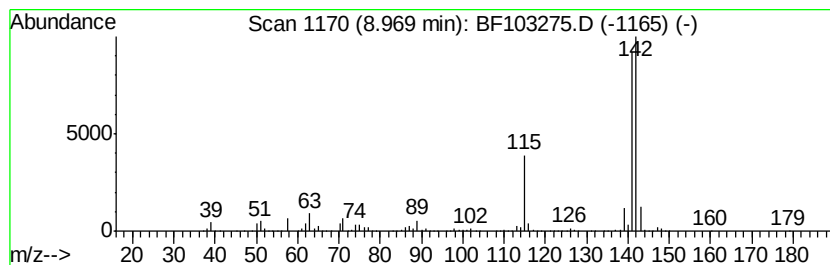
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	41.56 ng	2771300	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



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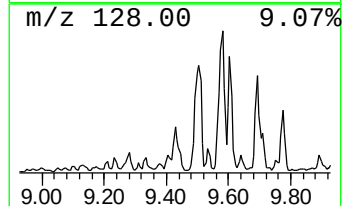
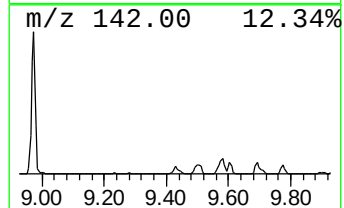
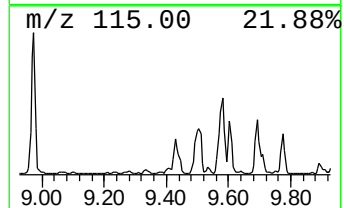
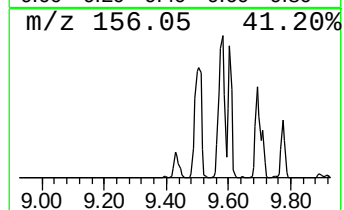
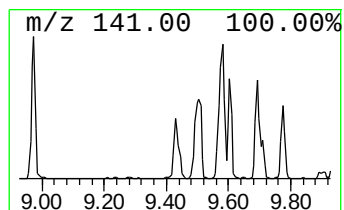
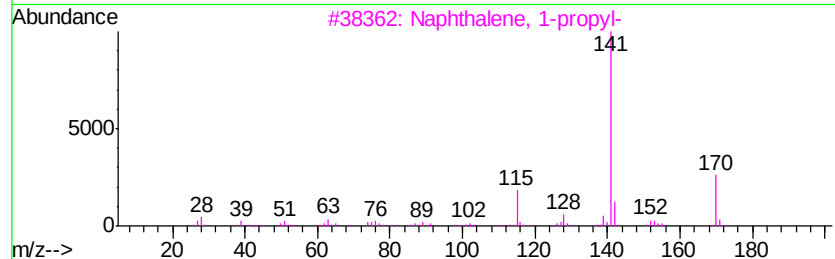
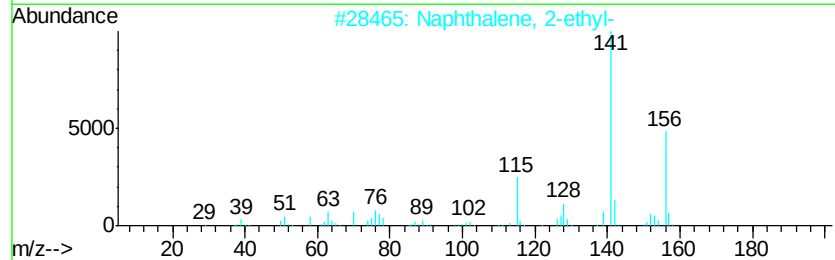
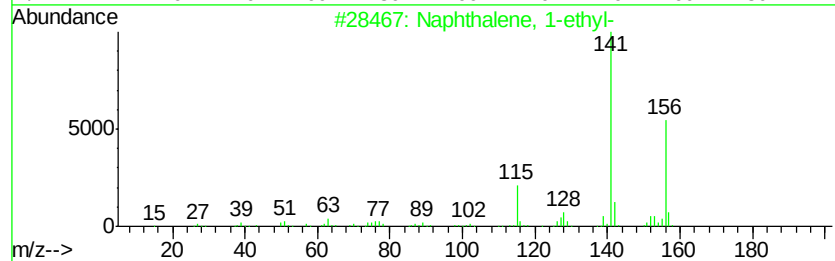
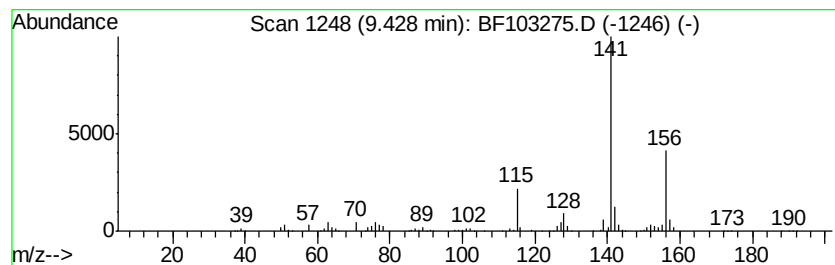
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	34.75 ng	1264910	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 95
3		Naphthalene, 1-propyl-	170 C13H14	002765-18-6 59
4		Methyl phenylphosphinic acid	156 C7H9O2P	004271-13-0 53
5		1-Ethanone, 1-[4-(1-naphthalenyl...]	276 C19H16O2	1000338-30-5 47



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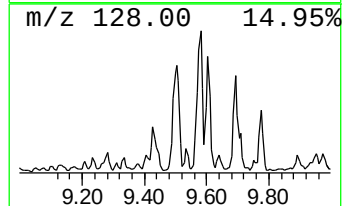
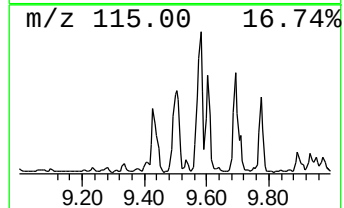
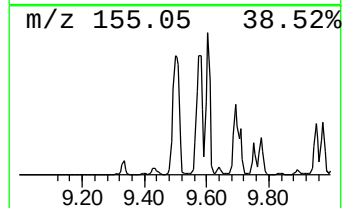
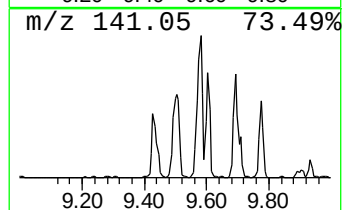
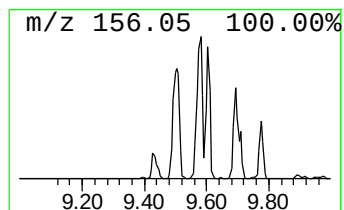
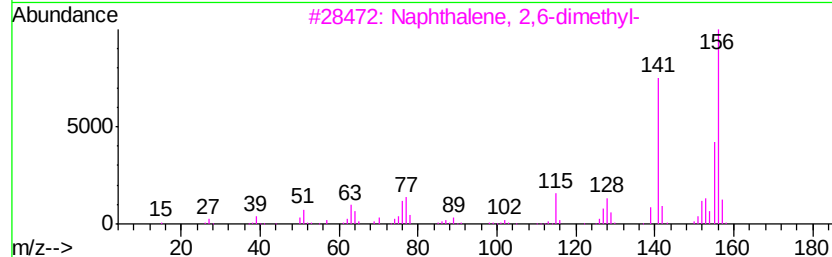
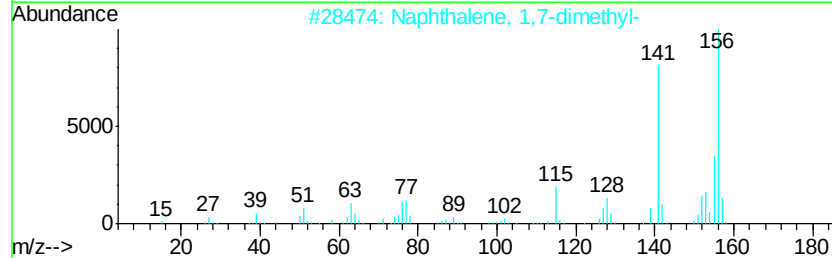
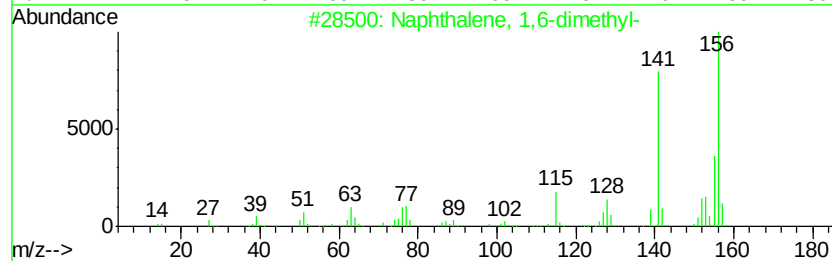
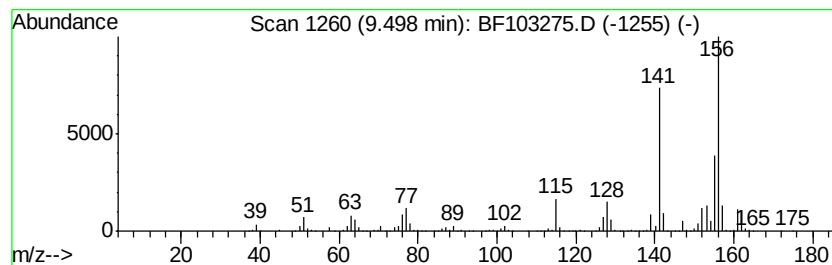
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	109.76 ng	3995160	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
Operator : SJ/JU
Sample : J1698-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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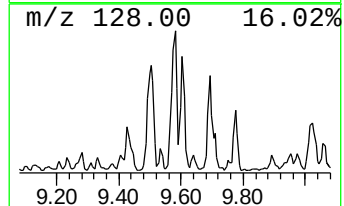
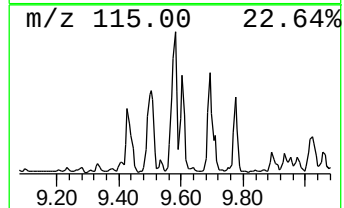
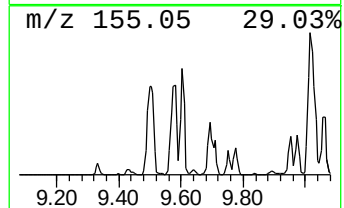
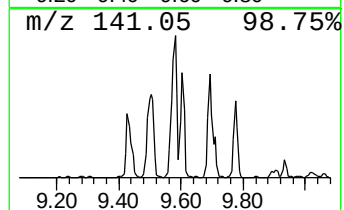
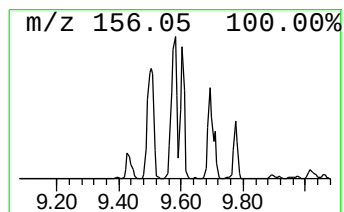
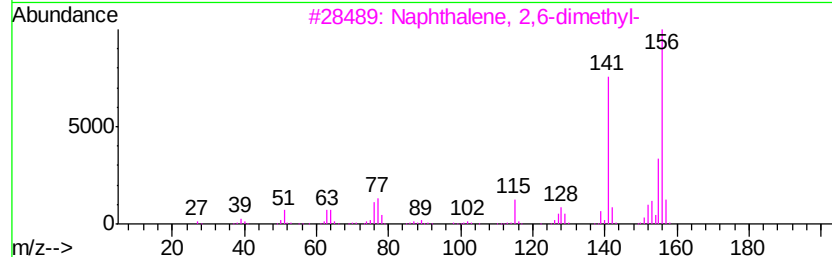
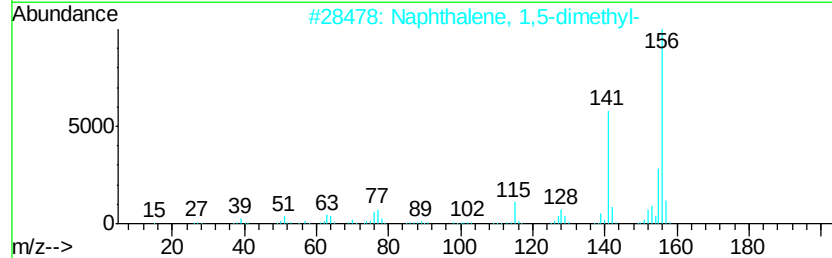
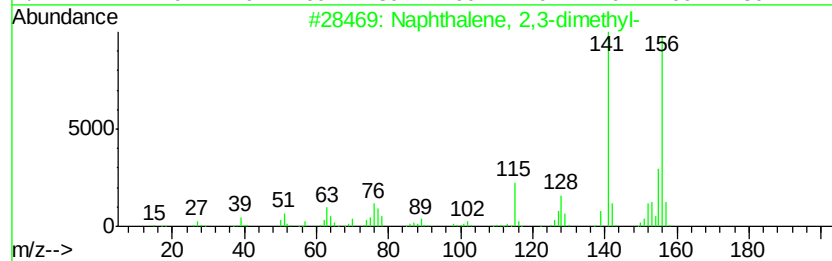
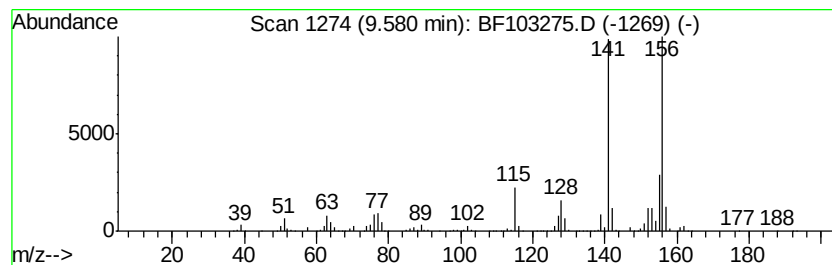
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	114.11 ng	4153390	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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Sample : J1698-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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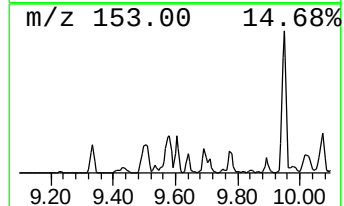
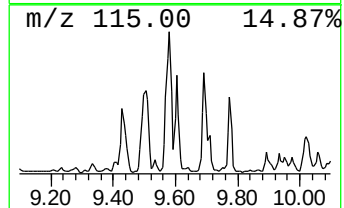
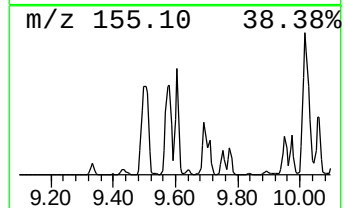
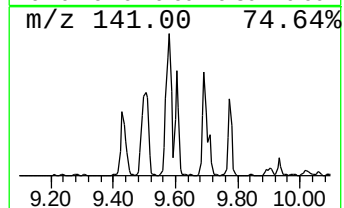
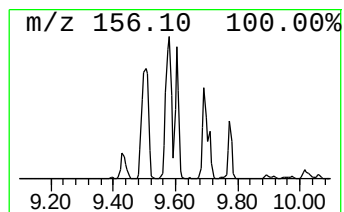
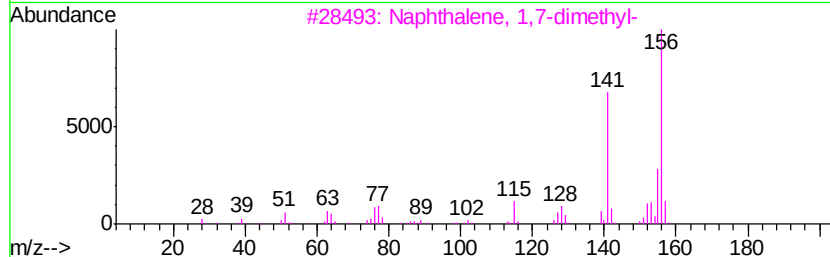
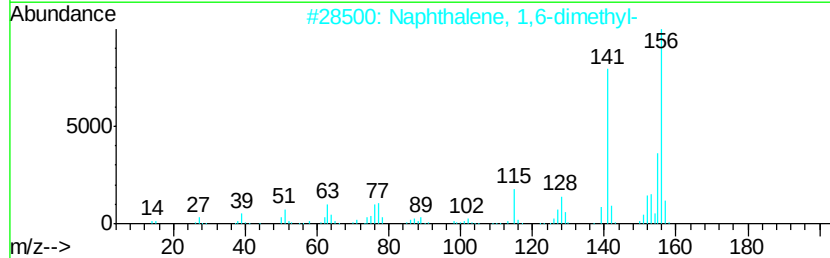
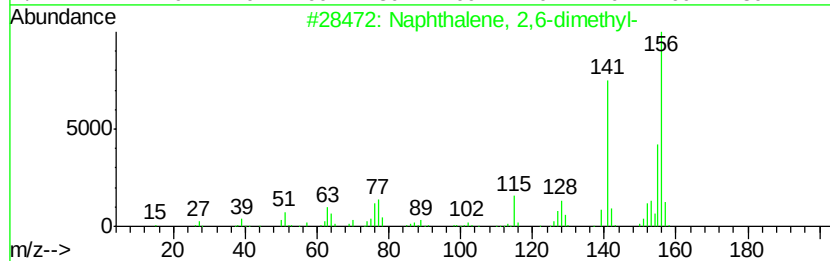
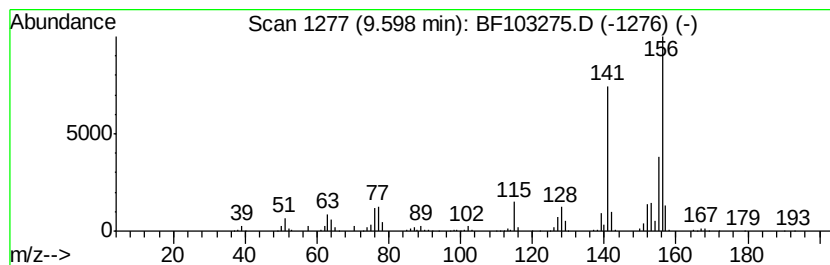
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	66.27 ng	2412220	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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Sample : J1698-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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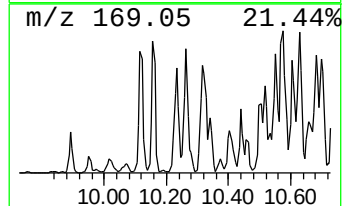
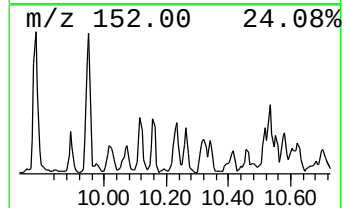
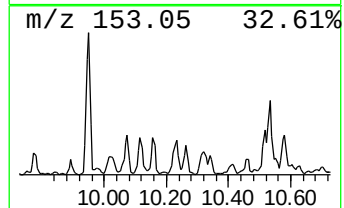
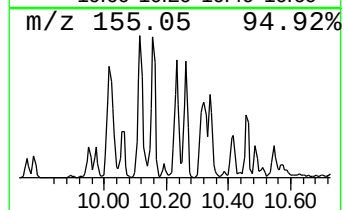
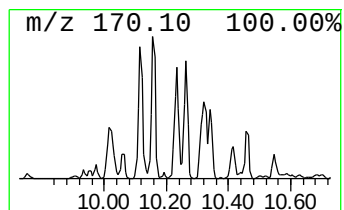
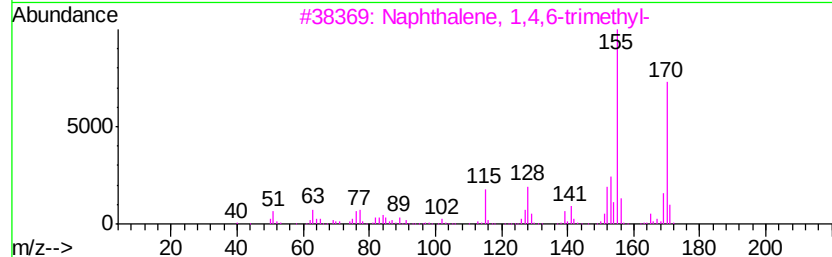
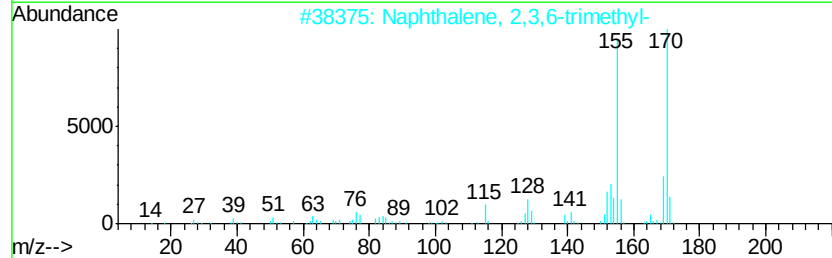
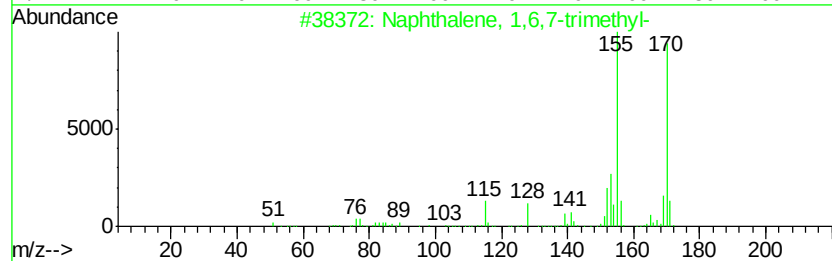
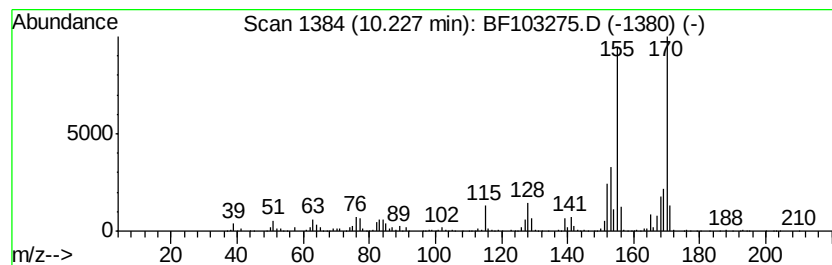
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	50.29 ng	1830550	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
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Operator : SJ/JU
Sample : J1698-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

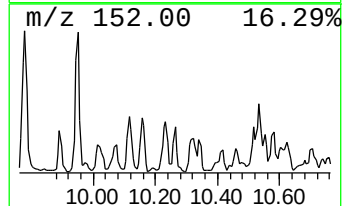
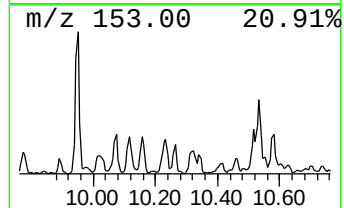
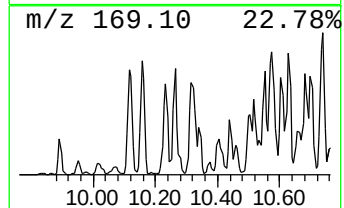
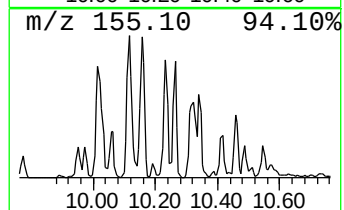
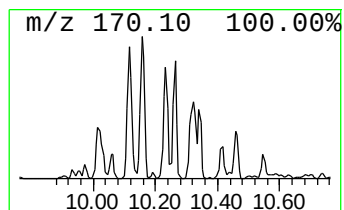
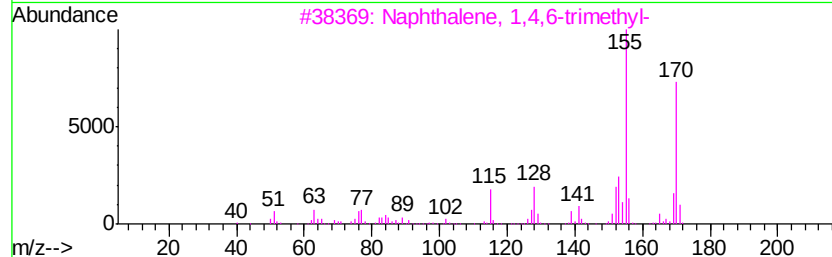
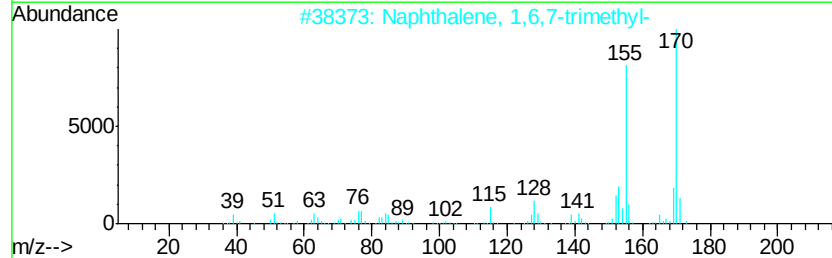
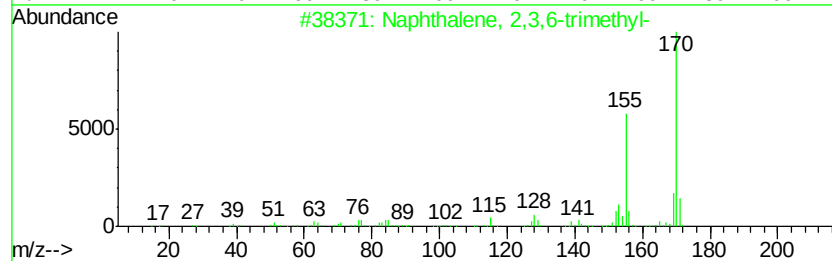
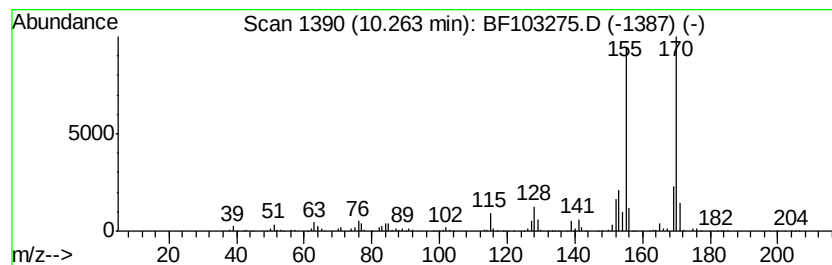
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.26	31.72 ng	1154650	Acenaphthene-d10		9.92	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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Misc :
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Instrument :
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ClientSampleId :
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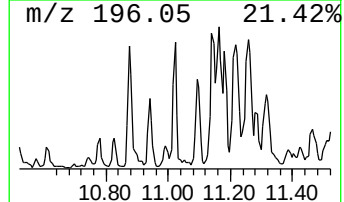
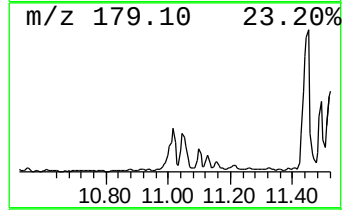
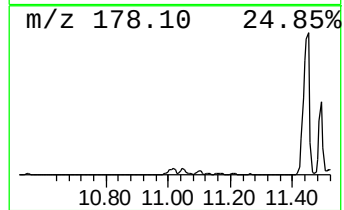
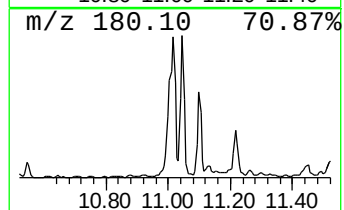
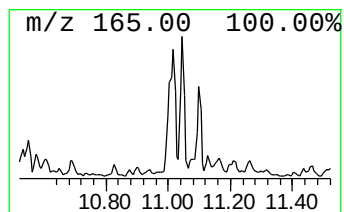
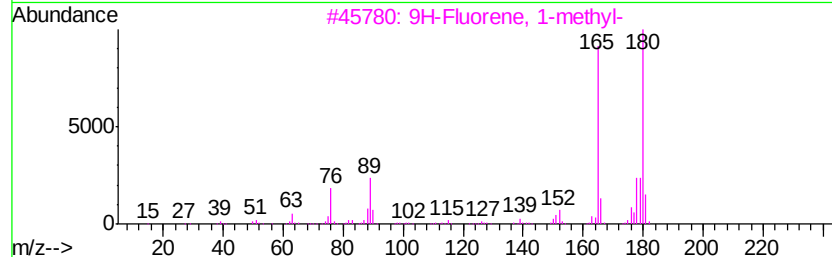
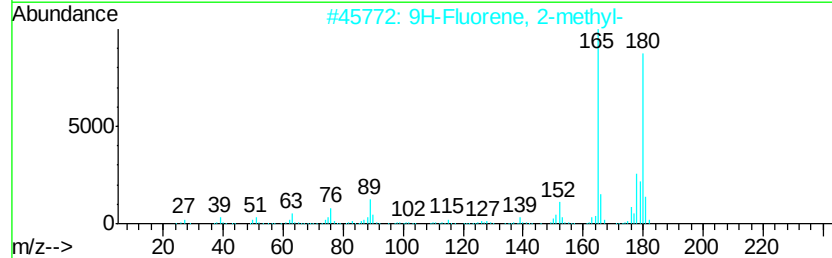
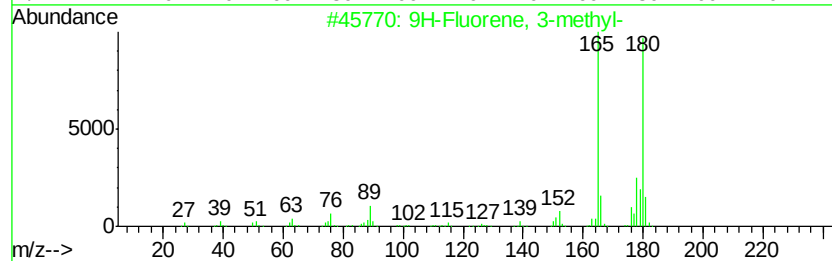
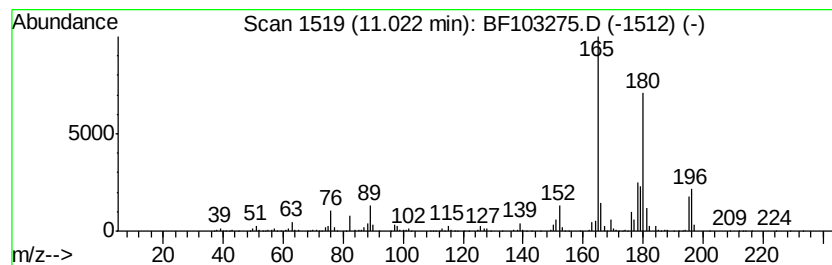
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9H-Fluorene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	43.10 ng	1954290	Phenanthrene-d10	11.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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ClientSampleId :
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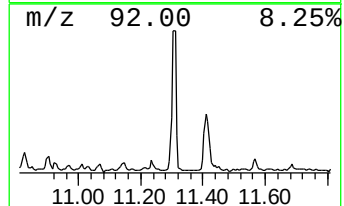
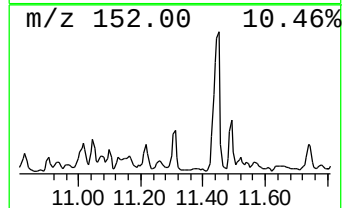
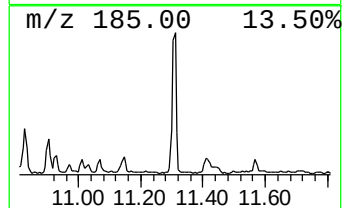
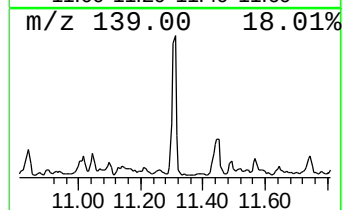
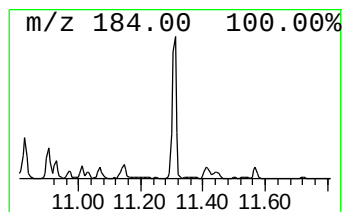
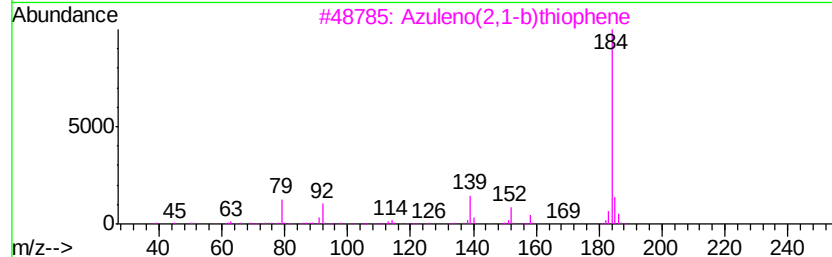
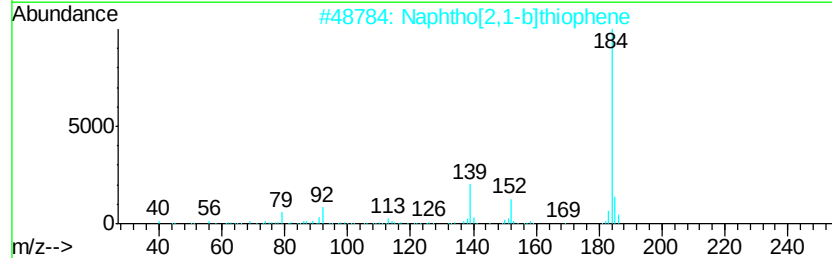
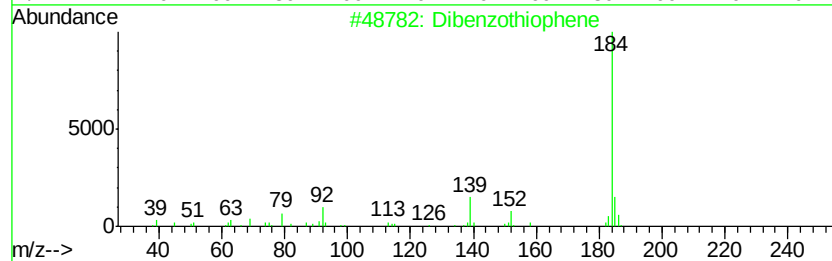
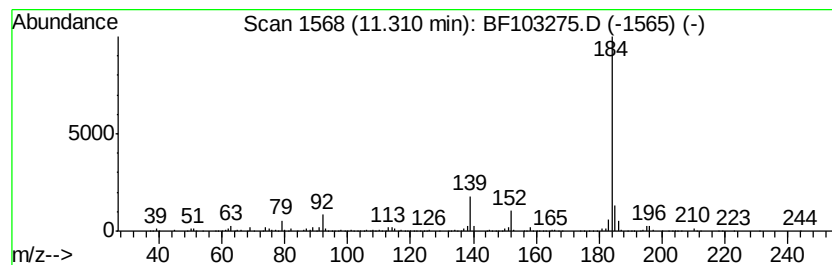
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	33.03 ng	1497650	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
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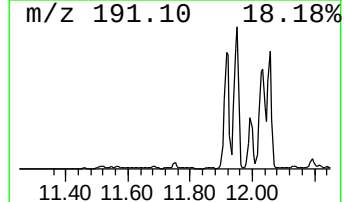
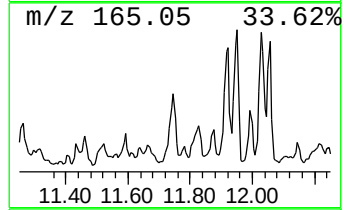
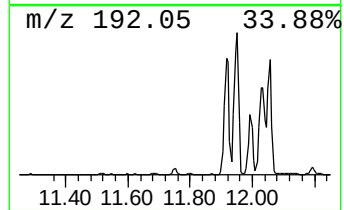
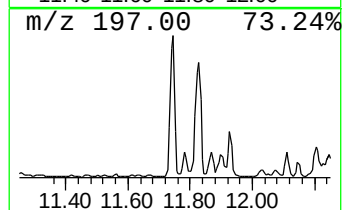
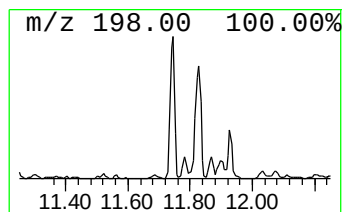
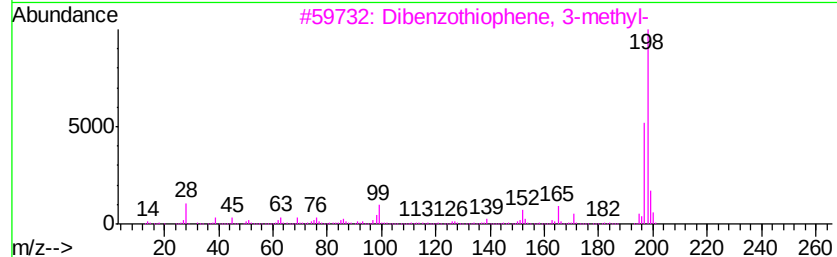
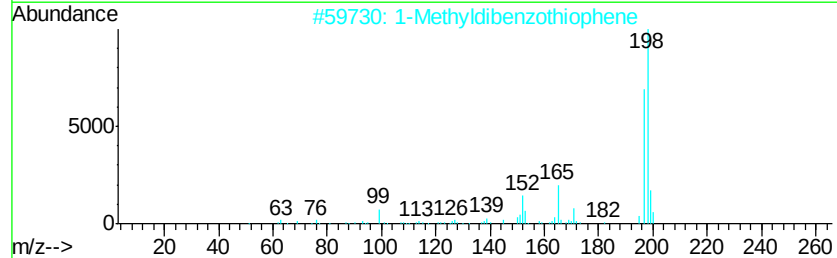
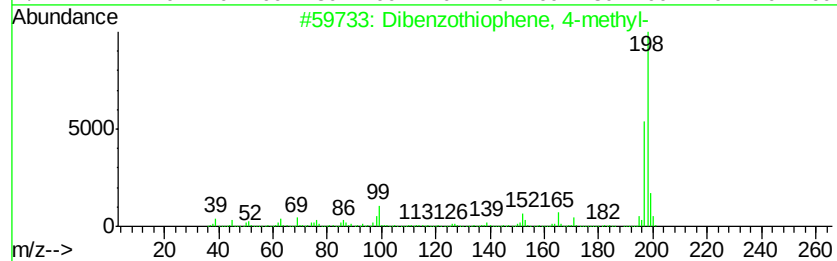
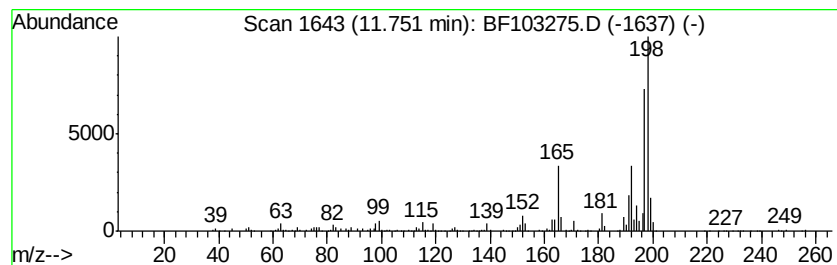
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	32.24 ng	1461820	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
2		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5		Tacrine	198	C13H14N2	000321-64-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
Operator : SJ/JU
Sample : J1698-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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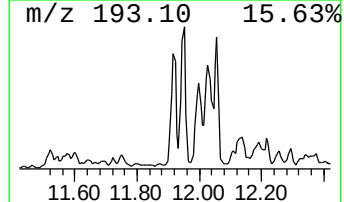
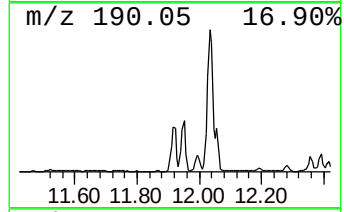
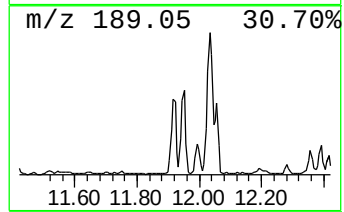
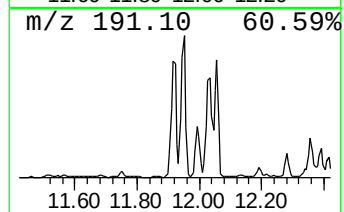
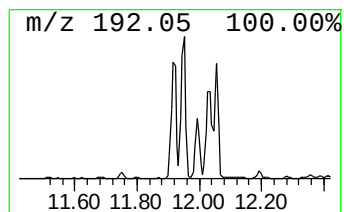
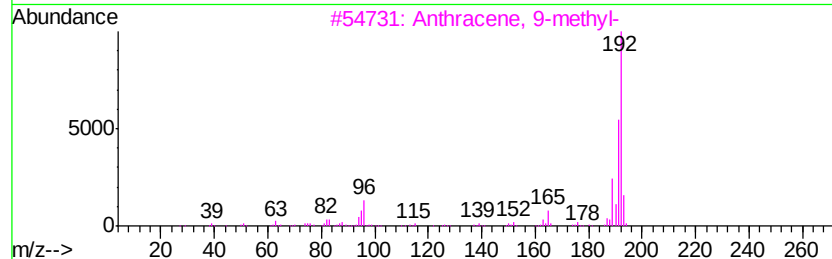
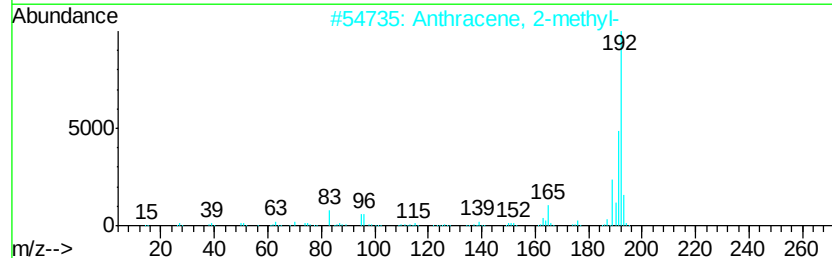
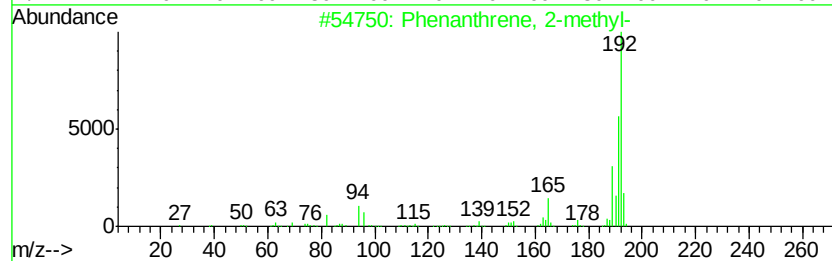
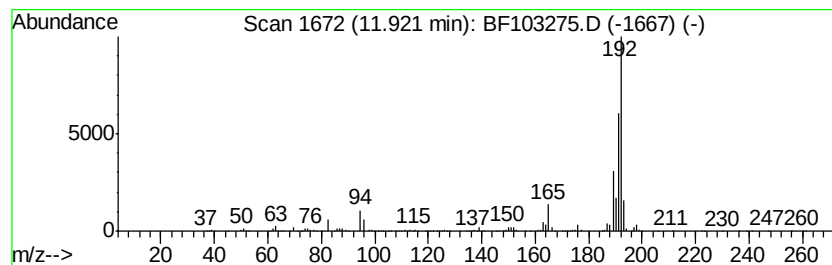
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	65.44 ng	2967550	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
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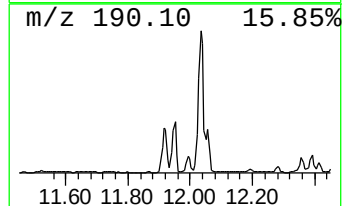
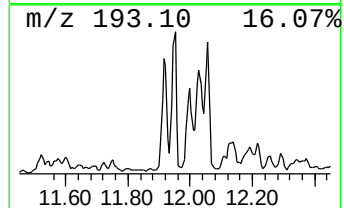
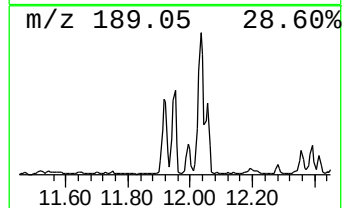
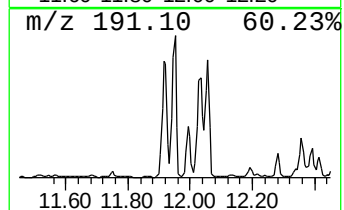
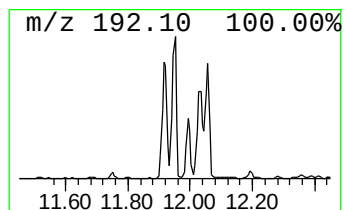
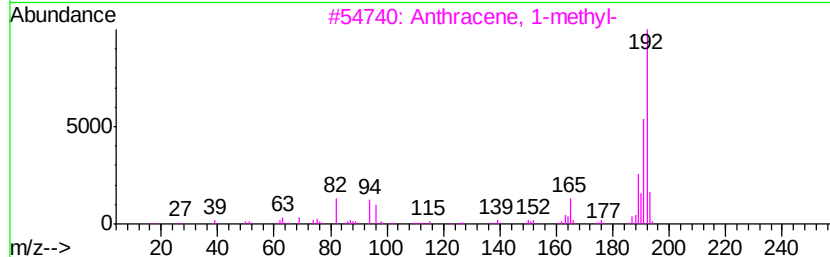
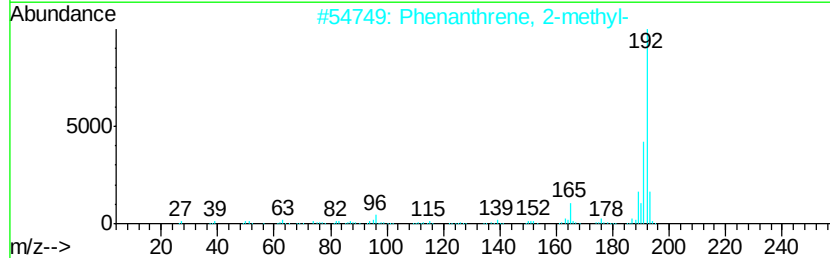
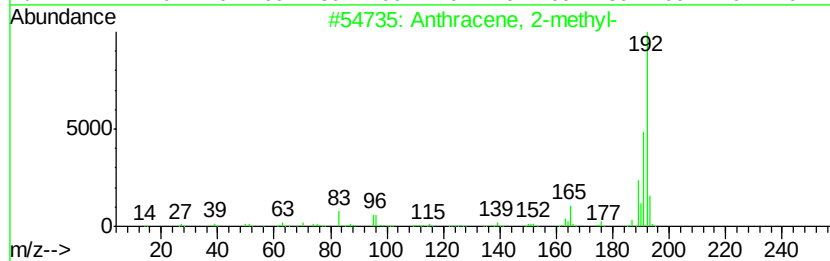
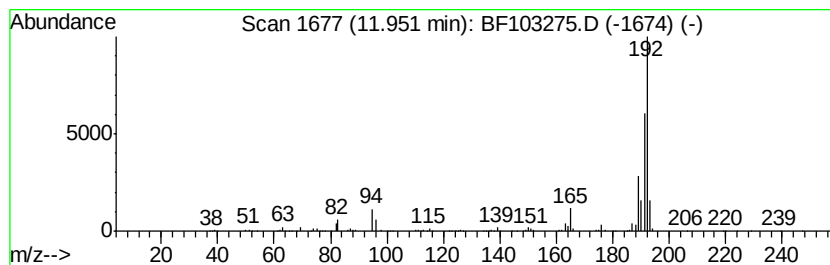
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	63.34 ng	2872180	Phenanthrene-d10	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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Sample : J1698-01 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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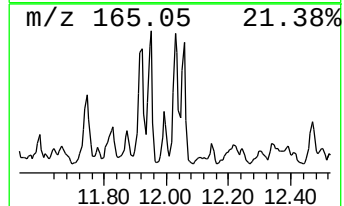
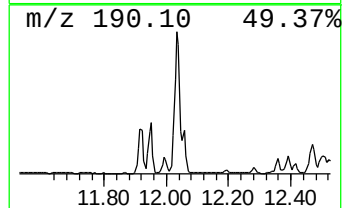
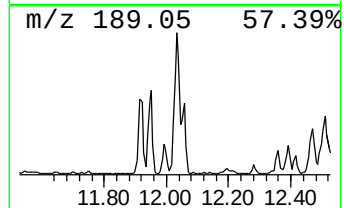
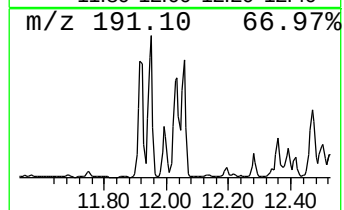
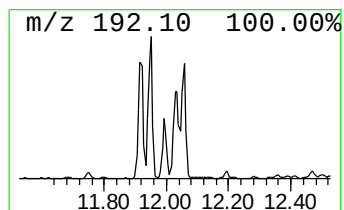
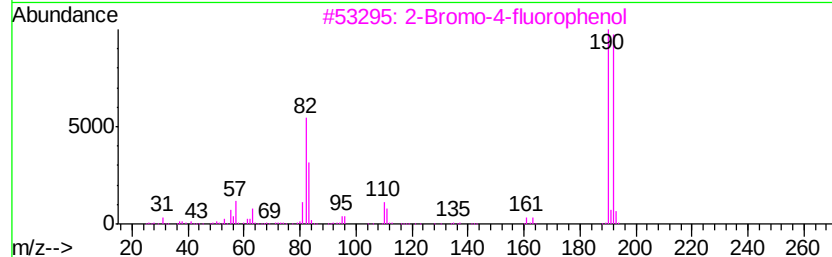
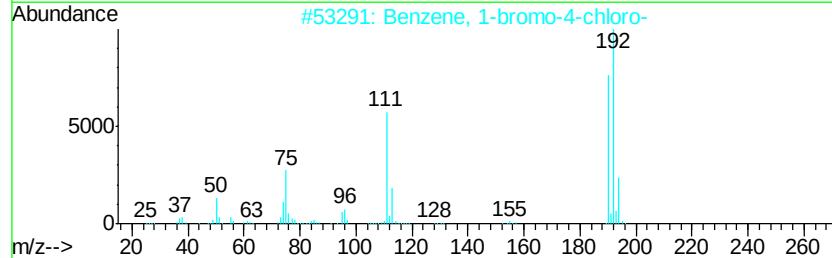
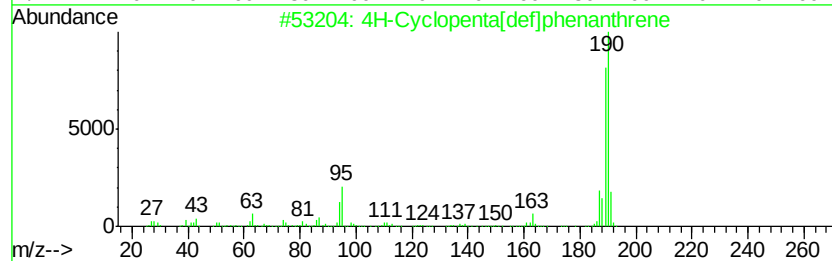
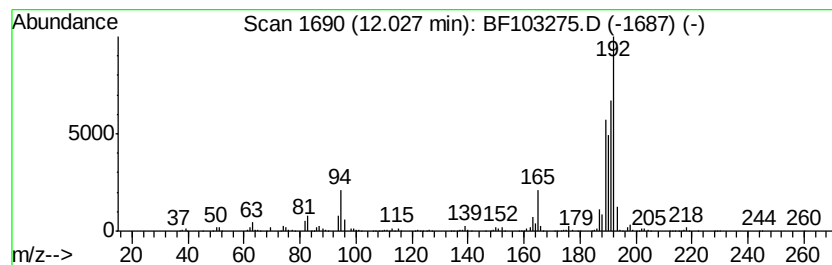
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	76.04 ng	3448470	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	43
3		2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	43
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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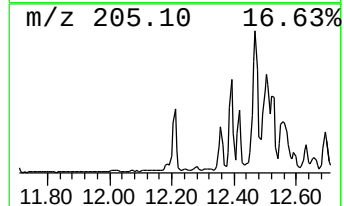
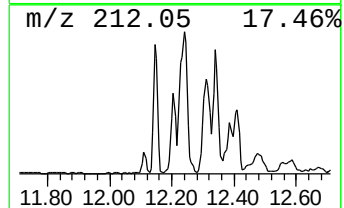
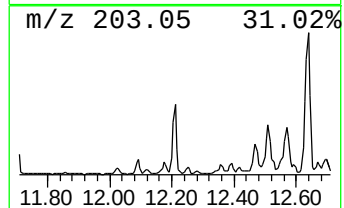
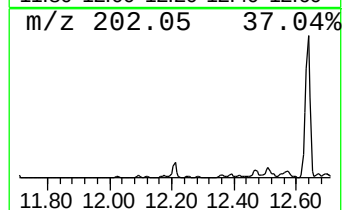
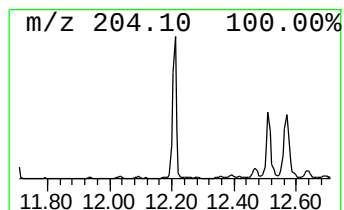
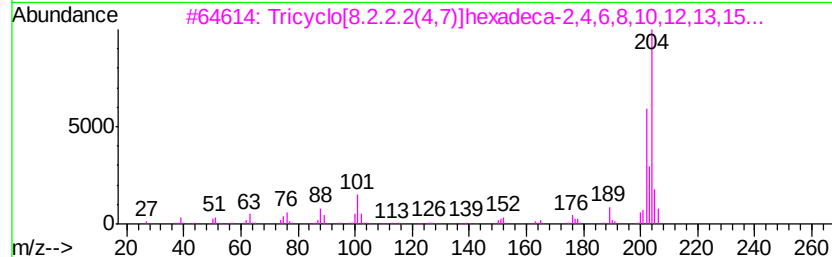
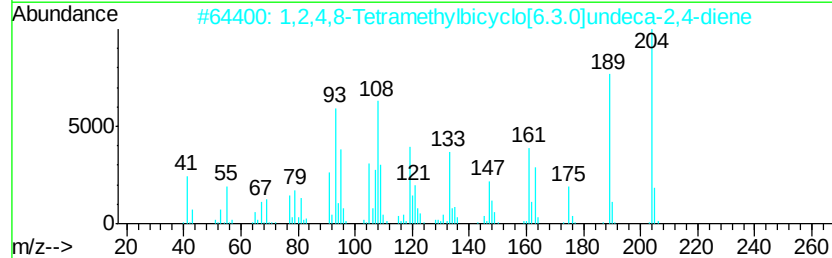
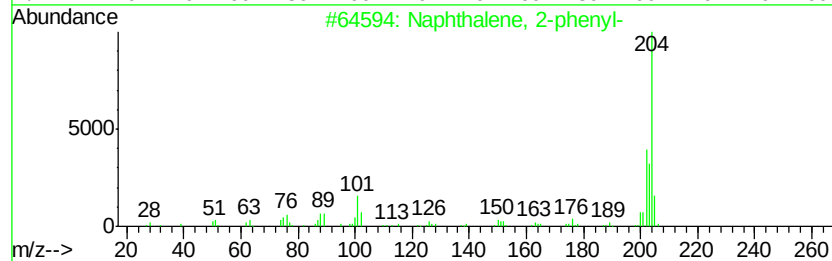
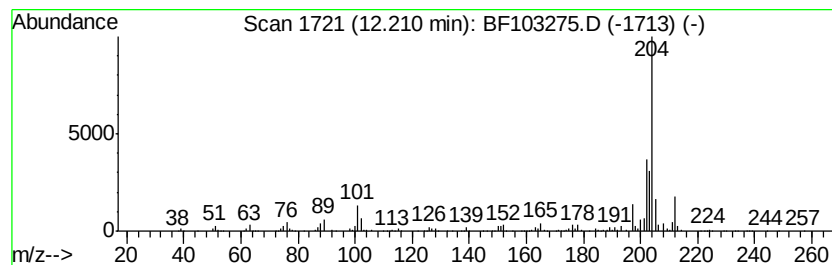
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	34.69 ng	1573130	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8,10,12,13,15-octa-1,3,5,7,9,11-octaene	204	C16H12	006572-60-7	62
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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Misc :
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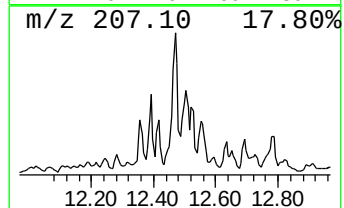
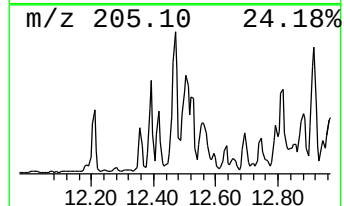
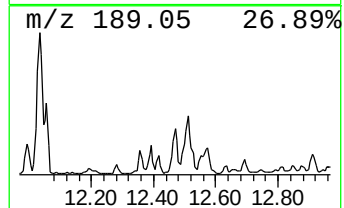
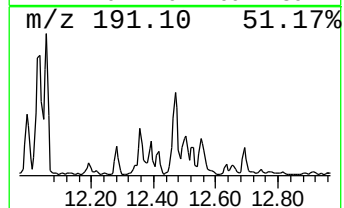
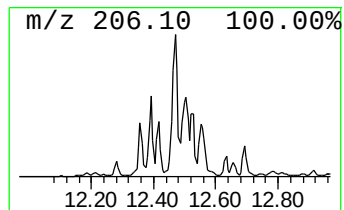
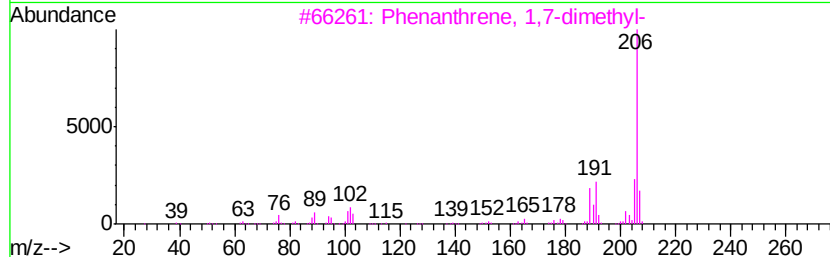
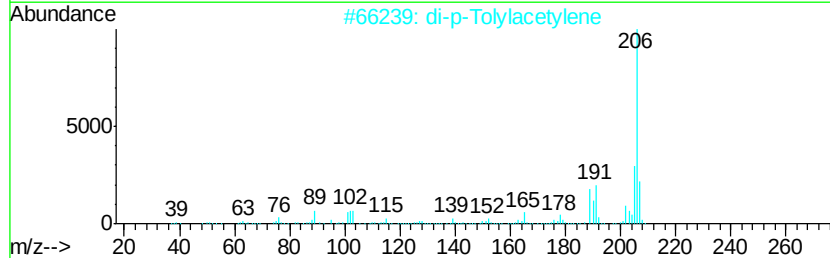
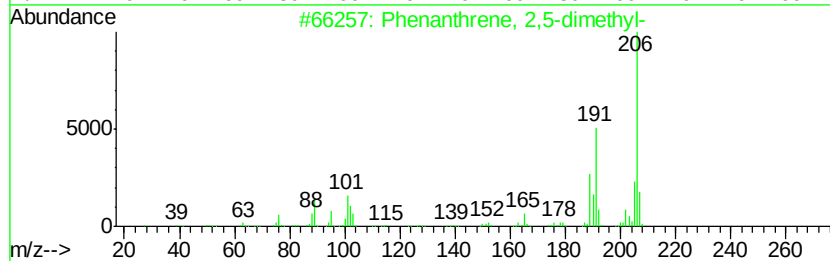
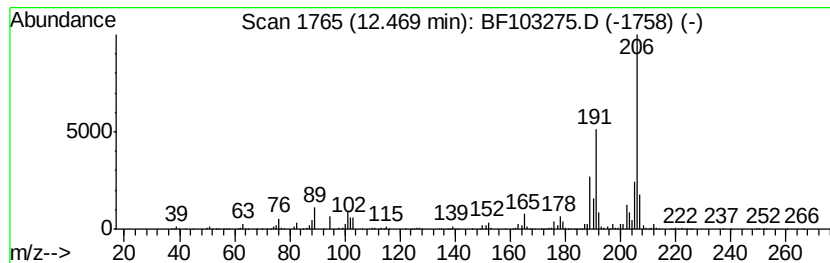
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	65.86 ng	2986760	Phenanthrene-d10	11.41

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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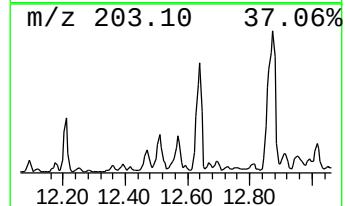
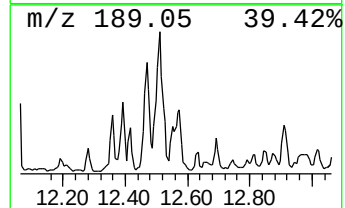
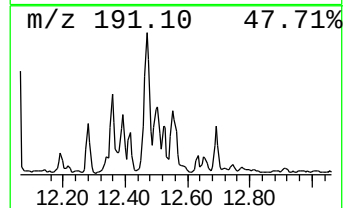
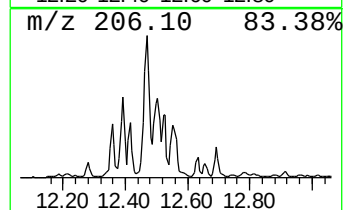
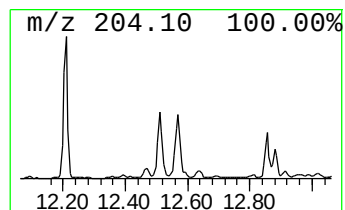
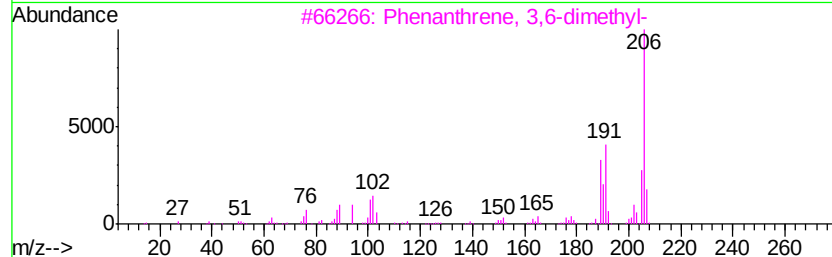
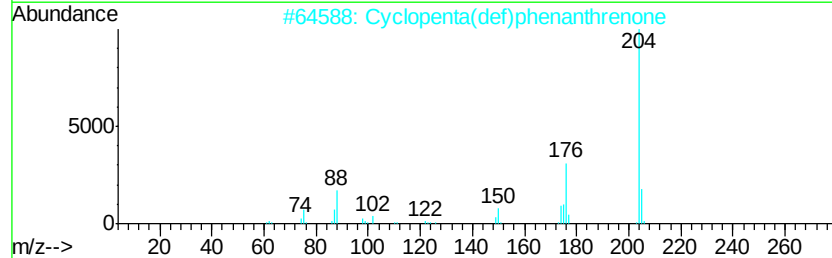
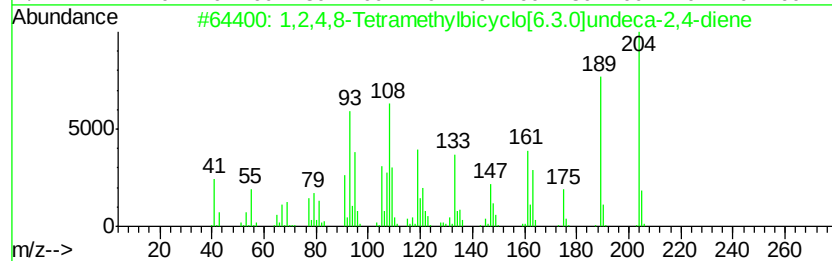
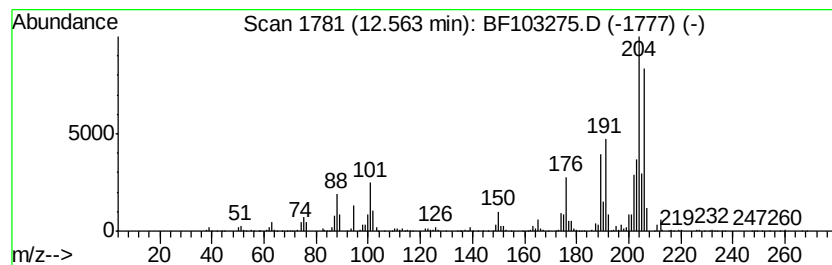
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	30.96 ng	1403930	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	78
2		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	45
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103275.D
Acq On : 27 Feb 2018 20:41
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ClientSampled :
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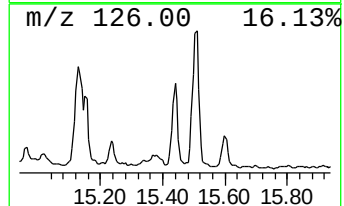
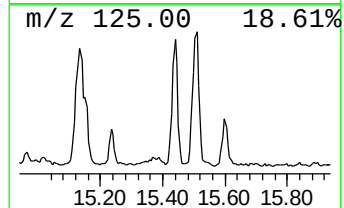
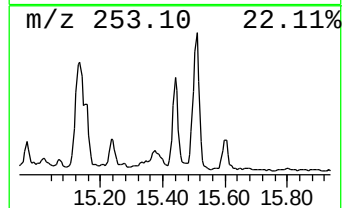
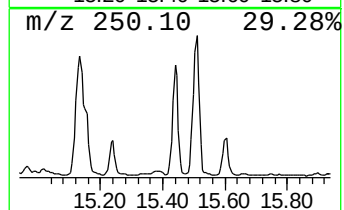
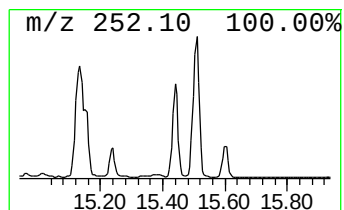
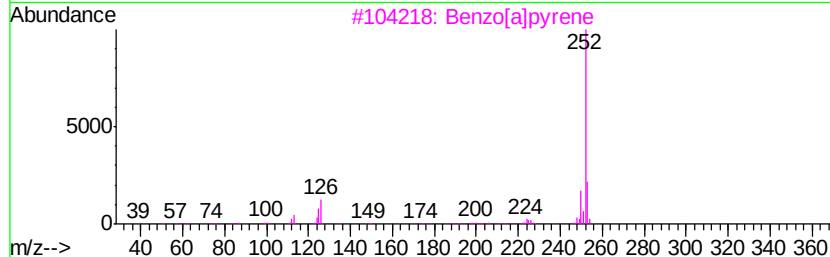
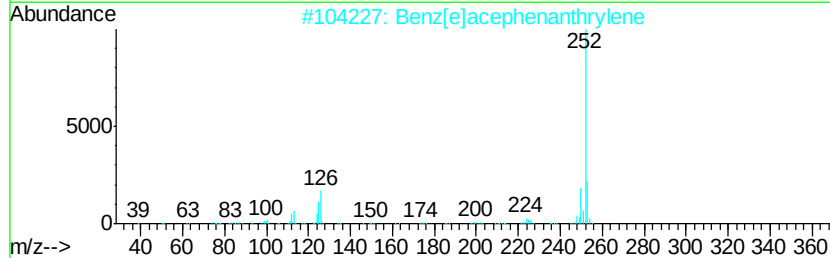
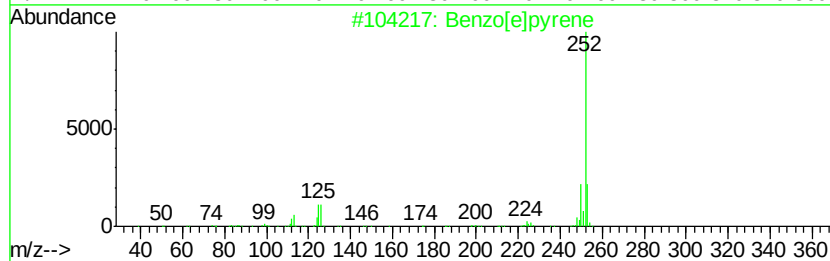
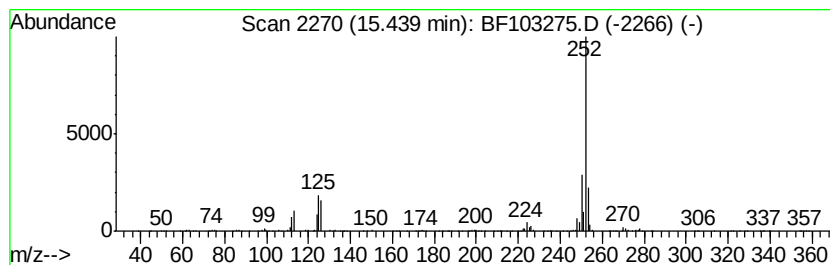
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	40.43 ng	884284	Perylene-d12	15.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5		Perylene	252	C20H12	000198-55-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022718\
 Data File : BF103275.D
 Acq On : 27 Feb 2018 20:41
 Operator : SJ/JU
 Sample : J1698-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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...	8.97	41.6	ng	2771300	2	8.16	1333760	20.0
Naphthalene, 1-et...	9.43	34.8	ng	1264910	3	9.92	727990	20.0
Naphthalene, 1,6-...	9.50	109.8	ng	3995160	3	9.92	727990	20.0
Naphthalene, 2,3-...	9.58	114.1	ng	4153390	3	9.92	727990	20.0
Naphthalene, 2,6-...	9.60	66.3	ng	2412220	3	9.92	727990	20.0
Naphthalene, 1,6,...	10.23	50.3	ng	1830550	3	9.92	727990	20.0
Naphthalene, 2,3,...	10.26	31.7	ng	1154650	3	9.92	727990	20.0
9H-Fluorene, 3-me...	11.02	43.1	ng	1954290	4	11.41	906965	20.0
Dibenzothiophene	11.31	33.0	ng	1497650	4	11.41	906965	20.0
Dibenzothiophene,...	11.75	32.2	ng	1461820	4	11.41	906965	20.0
Phenanthrene, 2-m...	11.92	65.4	ng	2967550	4	11.41	906965	20.0
Anthracene, 2-met...	11.95	63.3	ng	2872180	4	11.41	906965	20.0
4H-Cyclopenta[def...	12.03	76.0	ng	3448470	4	11.41	906965	20.0
Naphthalene, 2-ph...	12.21	34.7	ng	1573130	4	11.41	906965	20.0
Phenanthrene, 2,5...	12.47	65.9	ng	2986760	4	11.41	906965	20.0
1,2,4,8-Tetrameth...	12.56	31.0	ng	1403930	4	11.41	906965	20.0
Benzo[e]pyrene	15.44	40.4	ng	884284	6	15.57	437457	20.0