

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103988.D
 Acq On : 27 Mar 2018 23:25
 Operator : JU/SJ
 Sample : J2075-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)

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-BF031518.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	34	39	44	rVB	68532	92523	2.19%	0.159%
2	5.228	530	534	552	rBV	79017	143652	3.39%	0.246%
3	5.610	594	599	632	rBV	2653077	3688085	87.12%	6.320%
4	6.610	764	769	788	rBV	2681742	3814663	90.11%	6.537%
5	6.745	788	792	807	rVV	3000184	3710106	87.64%	6.357%
6	6.969	827	830	845	rBV	722248	811040	19.16%	1.390%
7	7.128	853	857	871	rBV	2859263	2917049	68.91%	4.998%
8	7.540	921	927	936	rBV	2056382	2293618	54.18%	3.930%
9	8.251	1044	1048	1059	rBV2	1010423	1210267	28.59%	2.074%
10	8.739	1128	1131	1136	rVB2	87859	83607	1.97%	0.143%
11	8.963	1166	1169	1176	rBV	119545	131263	3.10%	0.225%
12	9.063	1181	1186	1193	rBV	439960	436586	10.31%	0.748%
13	9.328	1224	1231	1240	rBV	3998042	4233327	100.00%	7.254%
14	9.428	1245	1248	1253	rVB	119429	112631	2.66%	0.193%
15	9.534	1263	1266	1271	rVB2	58994	85534	2.02%	0.147%
16	9.592	1271	1276	1280	rBV	237380	335052	7.91%	0.574%
17	9.663	1284	1288	1291	rBV2	404235	452261	10.68%	0.775%
18	9.692	1291	1293	1295	rBV	111867	90827	2.15%	0.156%
19	9.716	1295	1297	1305	rVB2	324645	356259	8.42%	0.610%
20	9.786	1305	1309	1311	rBV	181135	201451	4.76%	0.345%
21	9.875	1320	1324	1329	rBV2	470190	487881	11.52%	0.836%
22	9.922	1329	1332	1336	rVB	100110	86854	2.05%	0.149%
23	10.010	1344	1347	1351	rVV	1132867	1117763	26.40%	1.915%
24	10.045	1351	1353	1356	rVV	210564	188738	4.46%	0.323%
25	10.116	1360	1365	1369	rBV	96498	116256	2.75%	0.199%
26	10.210	1377	1381	1385	rVV4	144707	204766	4.84%	0.351%
27	10.251	1385	1388	1391	rVB	147130	138037	3.26%	0.237%
28	10.322	1396	1400	1403	rBV2	143698	168972	3.99%	0.290%
29	10.351	1403	1405	1410	rVB	91505	80713	1.91%	0.138%
30	10.404	1410	1414	1415	rBV	95929	113844	2.69%	0.195%
31	10.422	1415	1417	1422	rVB2	162558	175005	4.13%	0.300%
32	10.469	1422	1425	1429	rBV2	79595	100755	2.38%	0.173%
33	10.563	1437	1441	1447	rVB	500422	527233	12.45%	0.903%
34	10.639	1447	1454	1457	rBV5	93418	185853	4.39%	0.318%

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Integration Parameters: rteint.p
 Integrator: RTE
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 Stop Thrs : 0

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.716	1462	1467	1470	rVB4	64465	110198	2.60%	0.189%
36	10.810	1476	1483	1489	rBV	1924670	2181982	51.54%	3.739%
37	10.898	1495	1498	1508	rVB3	109858	225325	5.32%	0.386%
38	11.110	1528	1534	1536	rBV	205257	278311	6.57%	0.477%
39	11.139	1536	1539	1545	rVV	145903	169523	4.00%	0.290%
40	11.192	1545	1548	1551	rVV	128565	113421	2.68%	0.194%
41	11.310	1563	1568	1571	rVV2	76510	98676	2.33%	0.169%
42	11.345	1571	1574	1577	rVV2	113165	113803	2.69%	0.195%
43	11.404	1581	1584	1588	rVB	370148	345486	8.16%	0.592%
44	11.504	1597	1601	1603	rBV	930115	933545	22.05%	1.600%
45	11.533	1603	1606	1609	rVV	2035146	1798882	42.49%	3.082%
46	11.580	1611	1614	1617	rVV	590655	550560	13.01%	0.943%
47	11.616	1617	1620	1622	rVV	100862	126579	2.99%	0.217%
48	11.663	1625	1628	1633	rVV3	66631	101211	2.39%	0.173%
49	11.739	1637	1641	1644	rVV4	61686	92556	2.19%	0.159%
50	11.775	1644	1647	1649	rVV	83909	81417	1.92%	0.140%
51	11.833	1655	1657	1661	rVB	256513	239168	5.65%	0.410%
52	11.922	1668	1672	1676	rVB	189123	221669	5.24%	0.380%
53	12.010	1683	1687	1689	rBV	646179	637301	15.05%	1.092%
54	12.033	1689	1691	1696	rVB	584208	551085	13.02%	0.944%
55	12.086	1696	1700	1702	rBV	199409	192493	4.55%	0.330%
56	12.122	1702	1706	1708	rBV2	714501	786022	18.57%	1.347%
57	12.145	1708	1710	1714	rVB	394719	328550	7.76%	0.563%
58	12.298	1733	1736	1739	rBV2	248529	252431	5.96%	0.433%
59	12.333	1739	1742	1747	rVB	124643	162645	3.84%	0.279%
60	12.404	1747	1754	1757	rBV3	79787	140143	3.31%	0.240%
61	12.480	1765	1767	1769	rBV	136398	104471	2.47%	0.179%
62	12.504	1769	1771	1774	rVB2	122515	112727	2.66%	0.193%
63	12.557	1777	1780	1783	rBV	390000	441375	10.43%	0.756%
64	12.598	1783	1787	1789	rVV2	159655	217354	5.13%	0.372%
65	12.657	1792	1797	1805	rVB3	128509	318716	7.53%	0.546%
66	12.727	1805	1809	1812	rBV	1814675	1626210	38.41%	2.787%
67	12.763	1812	1815	1817	rBV	102808	82152	1.94%	0.141%
68	12.822	1822	1825	1828	rVB	201464	170787	4.03%	0.293%
69	12.880	1831	1835	1837	rBV	183615	213579	5.05%	0.366%
70	12.957	1841	1848	1853	rBV	1778660	2089404	49.36%	3.580%
71	13.004	1853	1856	1859	rVB2	151672	151263	3.57%	0.259%

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 Sampling : 1 Min Area: 3 % of largest Peak
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72	13.092	1863	1871	1874	rBV	3277383	3307429	78.13%	5.667%
73	13.174	1880	1885	1890	rBV4	180930	300737	7.10%	0.515%
74	13.280	1901	1903	1909	rVB	448802	454864	10.74%	0.779%
75	13.351	1909	1915	1918	rBV	454289	468546	11.07%	0.803%
76	13.386	1918	1921	1924	rBV2	256191	245952	5.81%	0.421%
77	13.480	1935	1937	1940	rVV	224399	186965	4.42%	0.320%
78	13.510	1940	1942	1946	rVB	209378	211323	4.99%	0.362%
79	13.763	1982	1985	1988	rBV	86572	114671	2.71%	0.196%
80	13.910	2004	2010	2012	rBV2	255925	331172	7.82%	0.567%
81	13.933	2012	2014	2016	rVV	191653	143673	3.39%	0.246%
82	13.963	2016	2019	2025	rVV4	249331	346892	8.19%	0.594%
83	14.157	2047	2052	2055	rVV2	1156307	1792350	42.34%	3.071%
84	14.186	2055	2057	2064	rVB	915384	831665	19.65%	1.425%
85	14.245	2064	2067	2069	rBV2	116923	103781	2.45%	0.178%
86	14.269	2069	2071	2073	rBV	87823	81309	1.92%	0.139%
87	14.310	2076	2078	2083	rVB4	92408	119408	2.82%	0.205%
88	14.551	2114	2119	2123	rVV	246380	312041	7.37%	0.535%
89	14.586	2123	2125	2128	rVB	130147	102670	2.43%	0.176%
90	14.651	2134	2136	2139	rVB	100146	87749	2.07%	0.150%
91	14.680	2139	2141	2143	rBV	127019	110073	2.60%	0.189%
92	14.704	2143	2145	2149	rVB	175871	157983	3.73%	0.271%
93	15.245	2233	2237	2240	rBV	432399	675236	15.95%	1.157%
94	15.363	2254	2257	2261	rVB	145844	163652	3.87%	0.280%
95	15.568	2288	2292	2299	rVB	312748	426824	10.08%	0.731%
96	15.639	2299	2304	2309	rBV	481538	643761	15.21%	1.103%
97	15.710	2311	2316	2319	rVV	441345	626829	14.81%	1.074%
98	15.739	2319	2321	2328	rVB2	123714	162984	3.85%	0.279%
99	17.286	2579	2584	2593	rVB2	150608	322422	7.62%	0.552%
100	17.768	2661	2666	2678	rVB	122911	272297	6.43%	0.467%

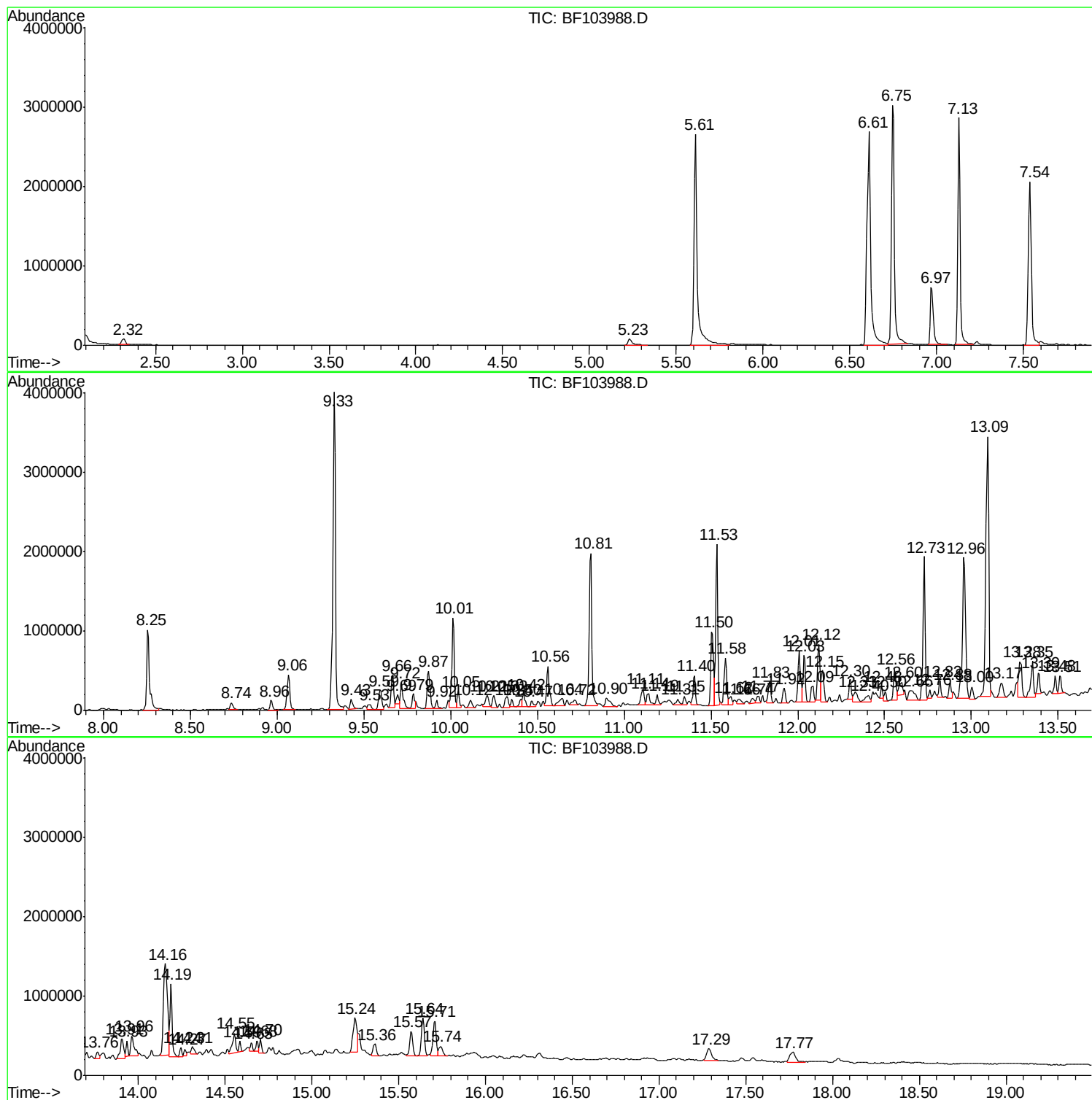
Sum of corrected areas: 58358749

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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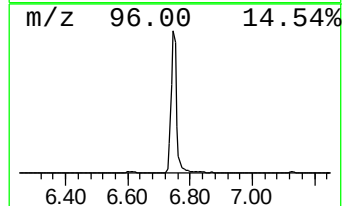
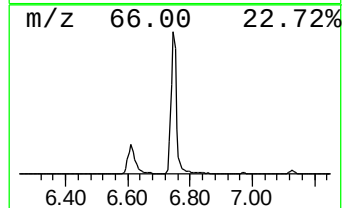
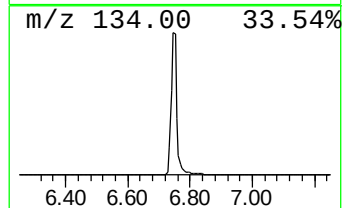
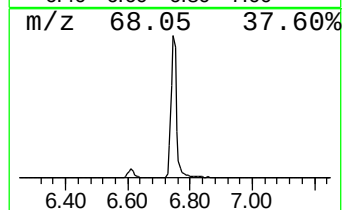
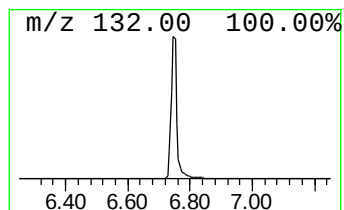
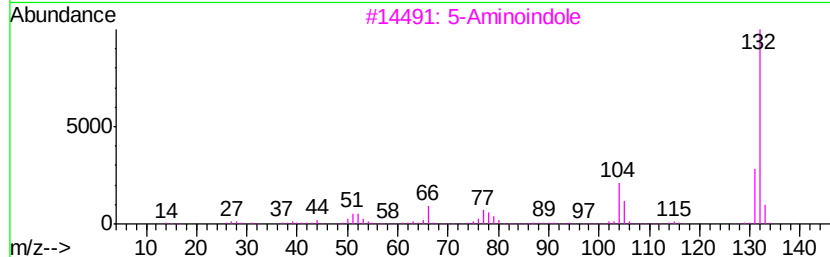
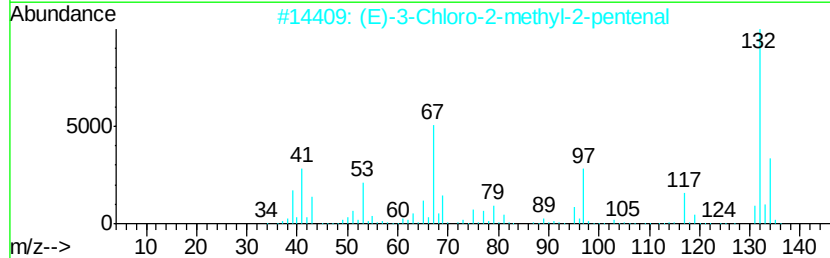
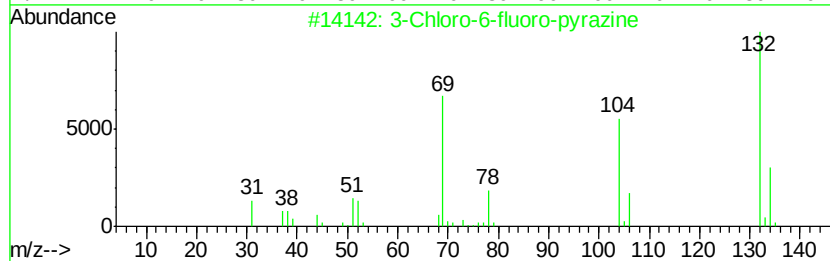
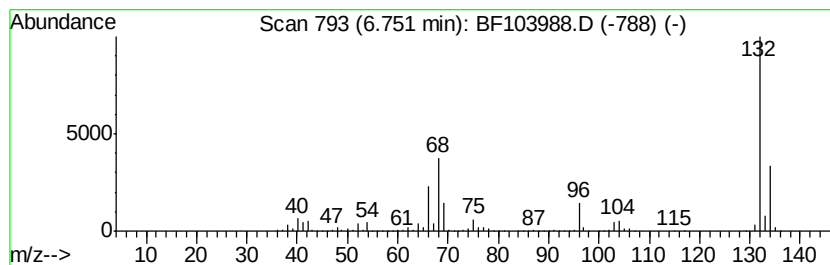
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	91.49 ng	3710110	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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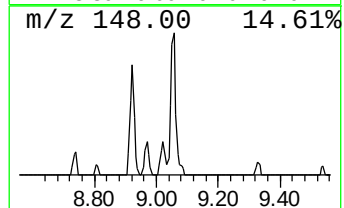
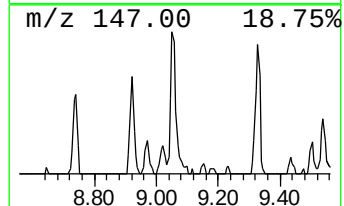
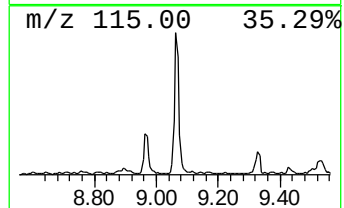
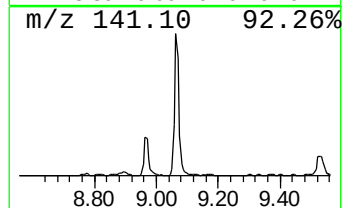
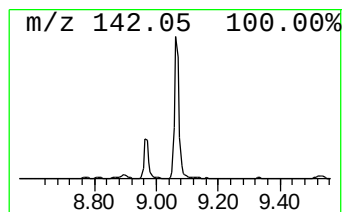
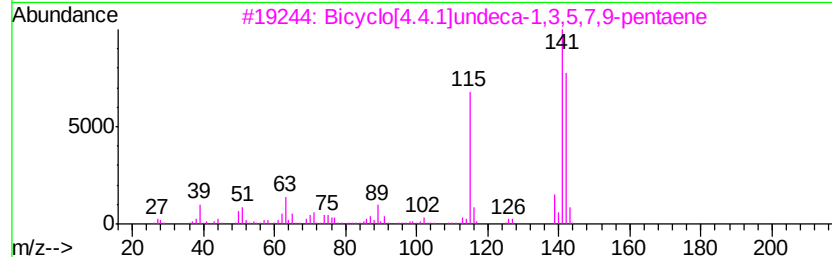
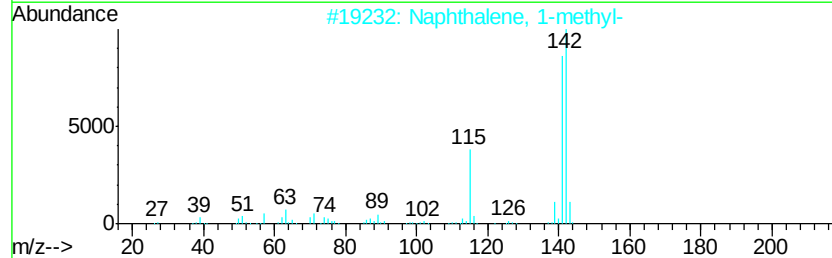
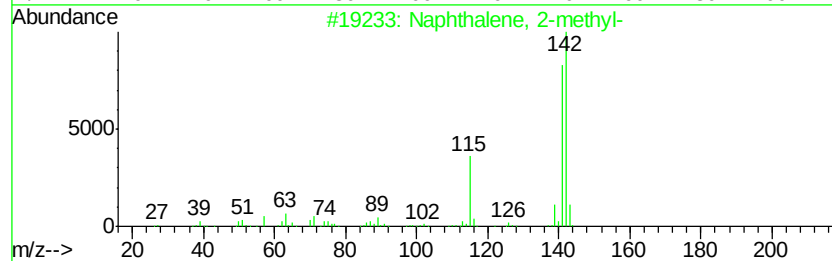
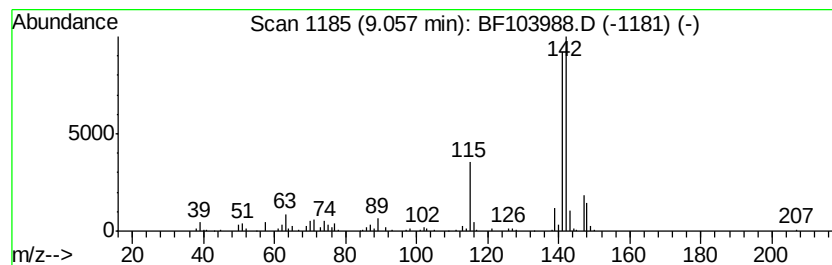
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	7.21 ng	436586	Naphthalene-d8	8.25

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



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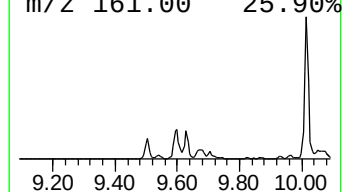
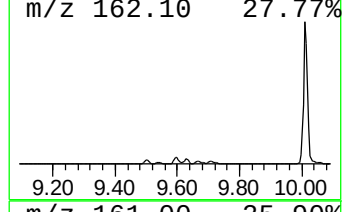
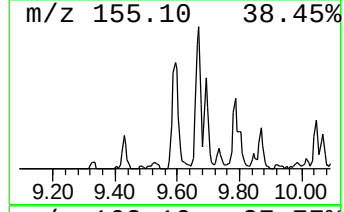
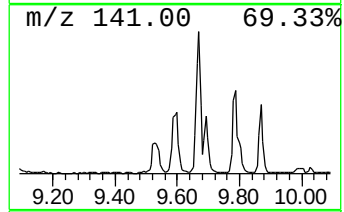
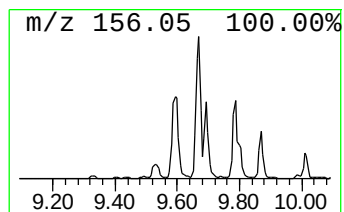
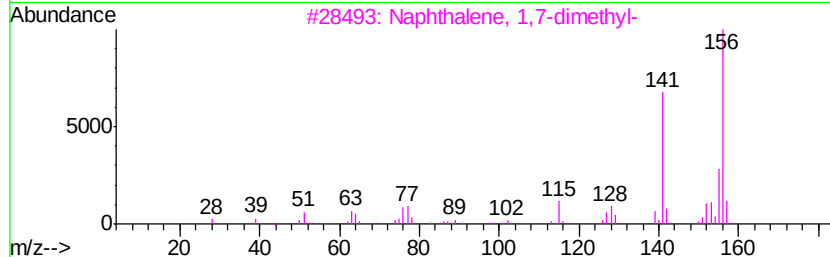
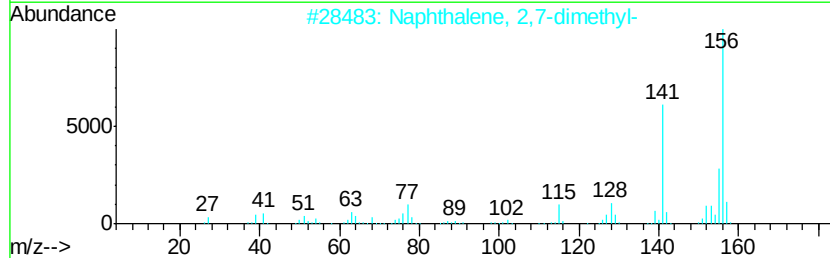
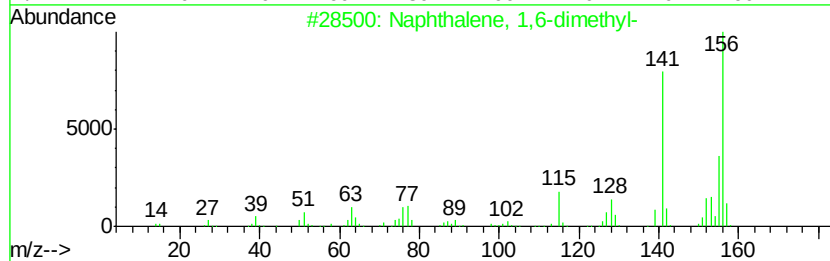
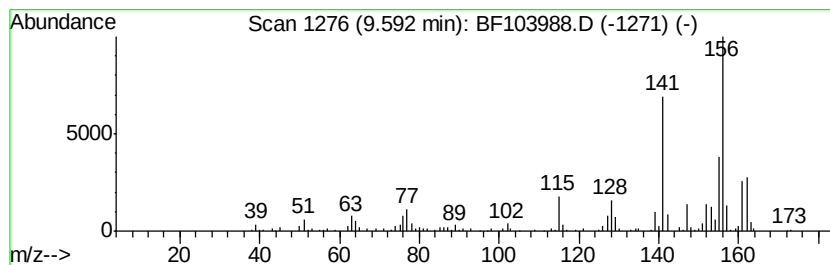
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
9.59	6.00 ng	335052	Acenaphthene-d10		10.01		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103988.D
Acq On : 27 Mar 2018 23:25
Operator : JU/SJ
Sample : J2075-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)

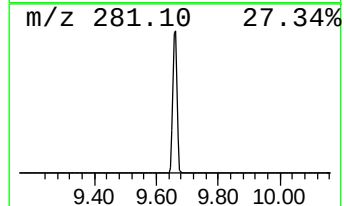
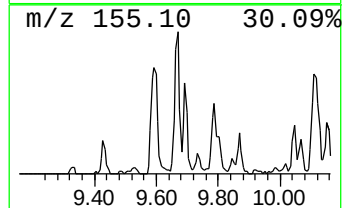
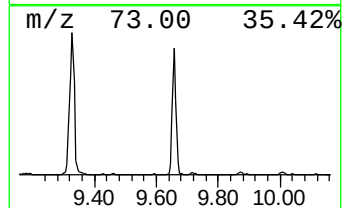
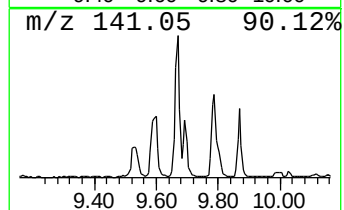
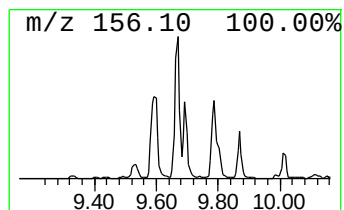
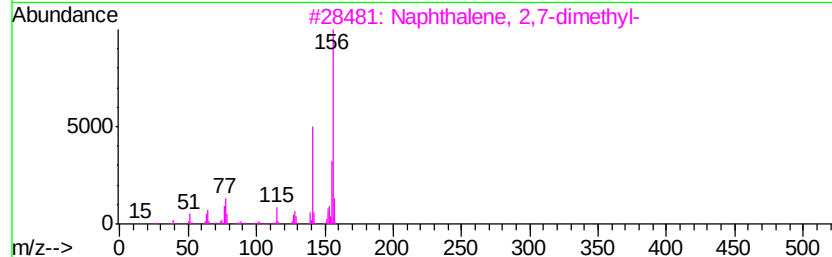
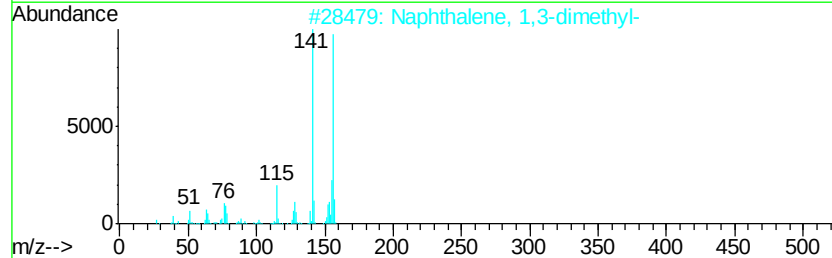
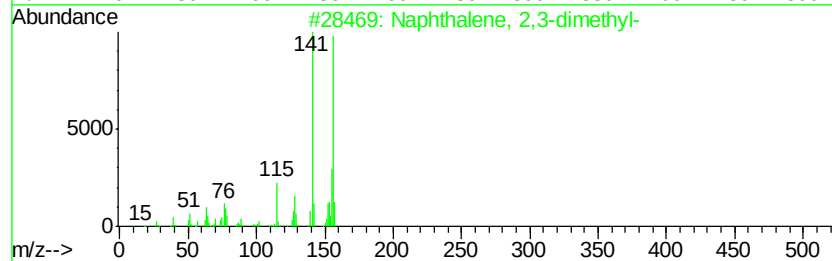
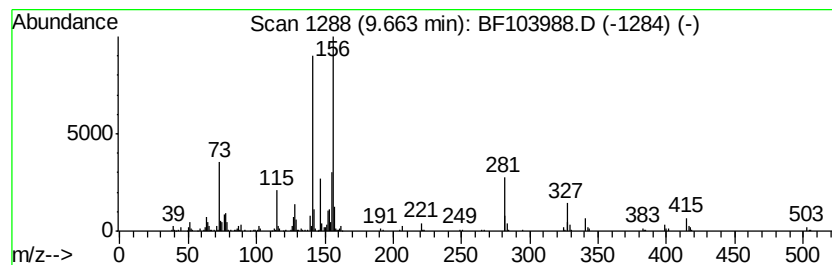
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	8.09 ng	452261	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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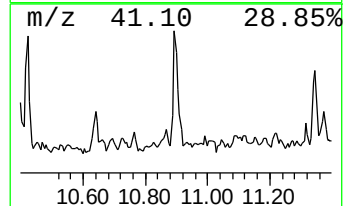
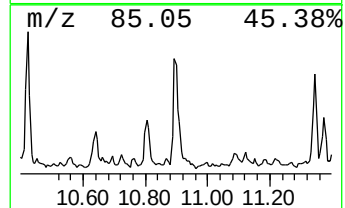
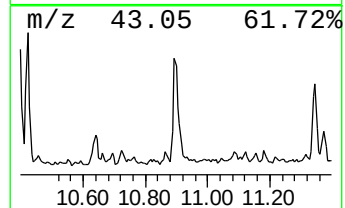
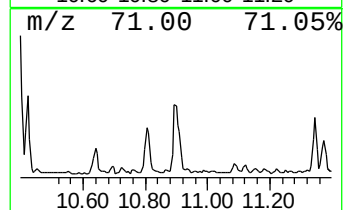
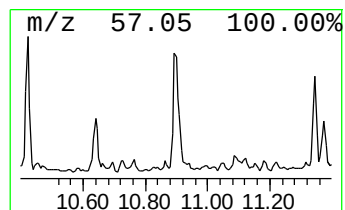
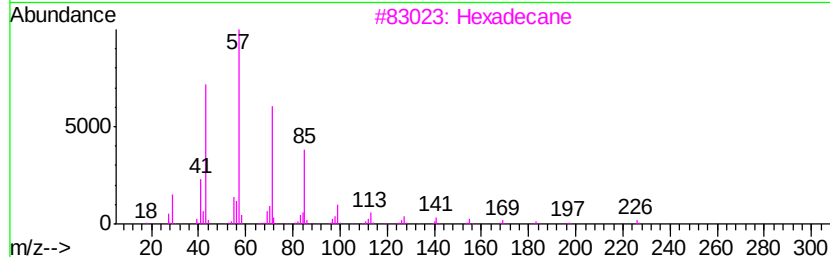
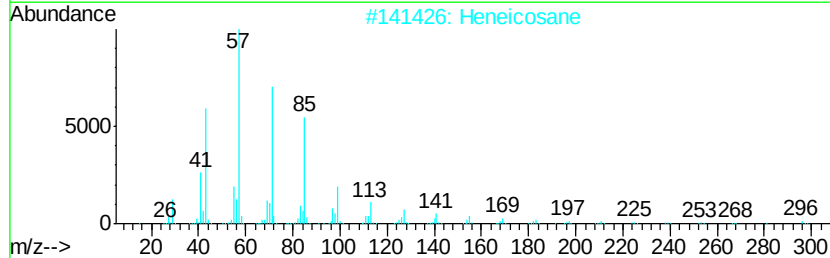
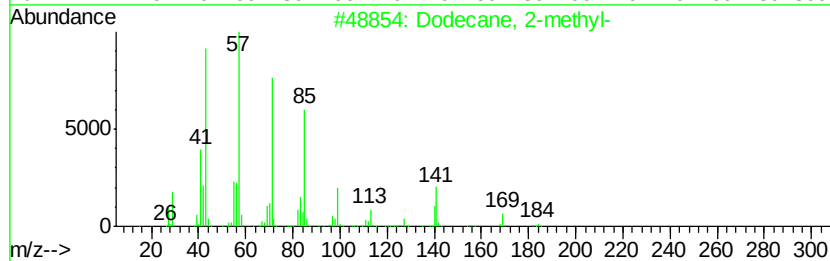
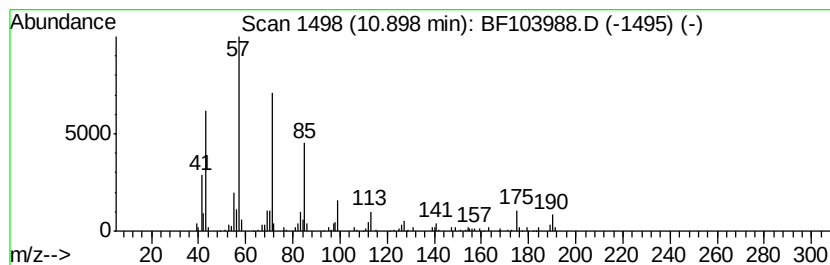
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dodecane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.90	4.83 ng	225325	Phenanthrene-d10		11.50
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
2	Heneicosane	296	C21H44	000629-94-7	80
3	Hexadecane	226	C16H34	000544-76-3	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103988.D
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ALS Vial : 20 Sample Multiplier: 1

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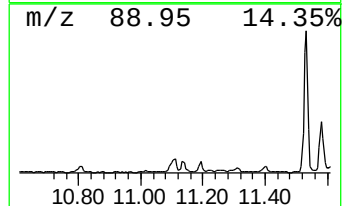
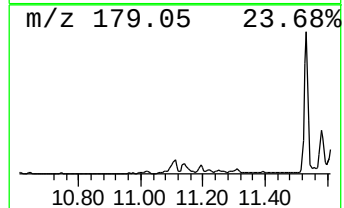
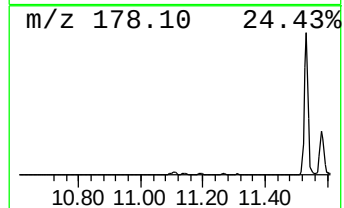
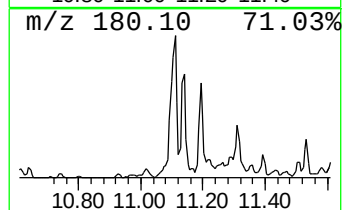
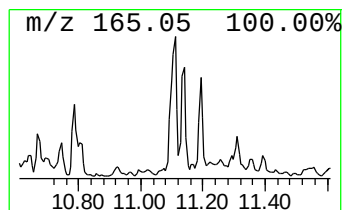
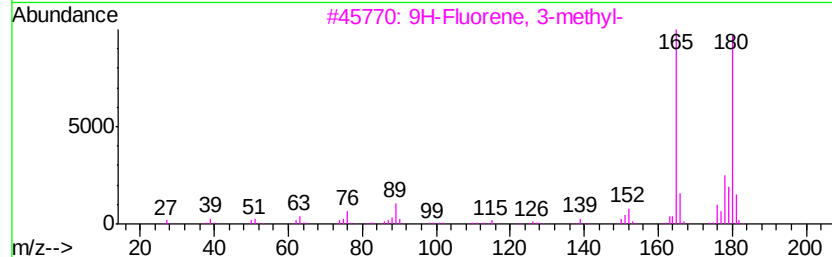
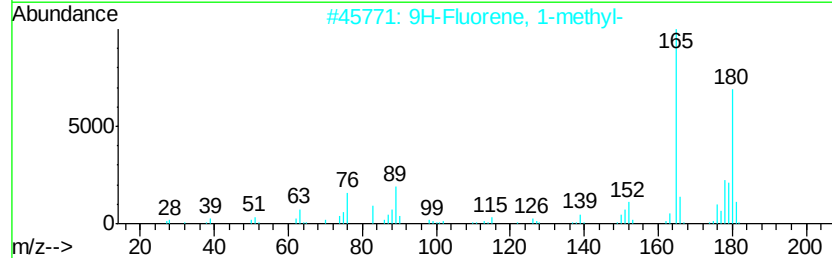
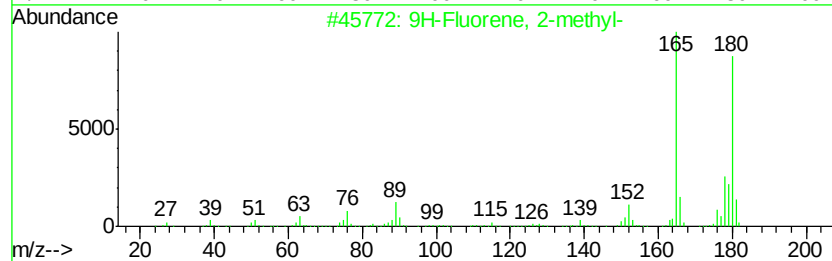
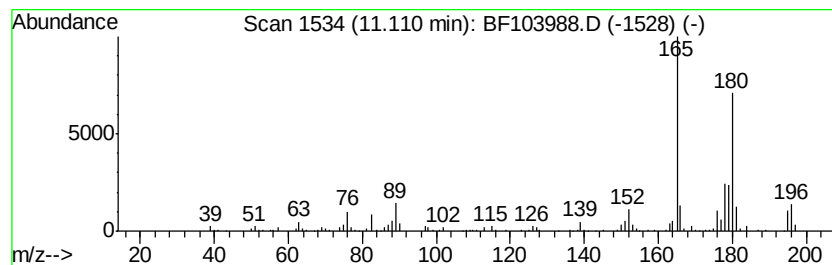
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	5.96 ng	278311	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103988.D
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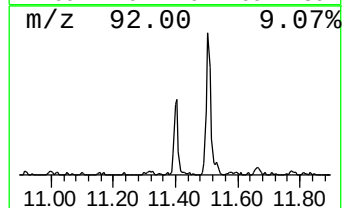
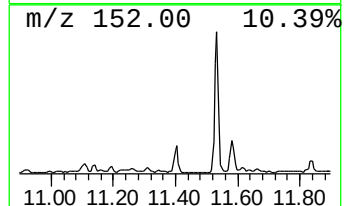
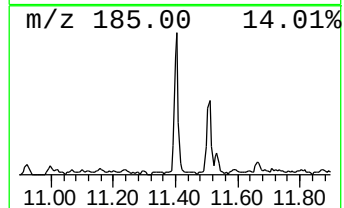
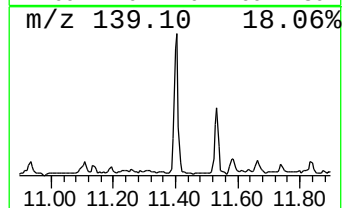
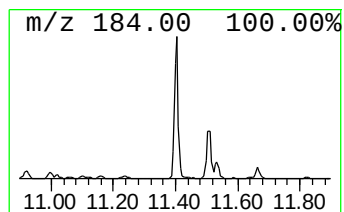
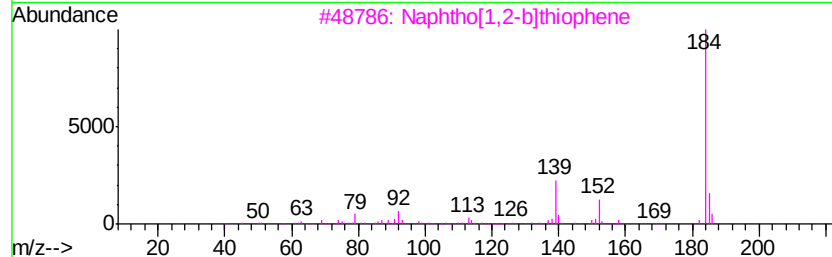
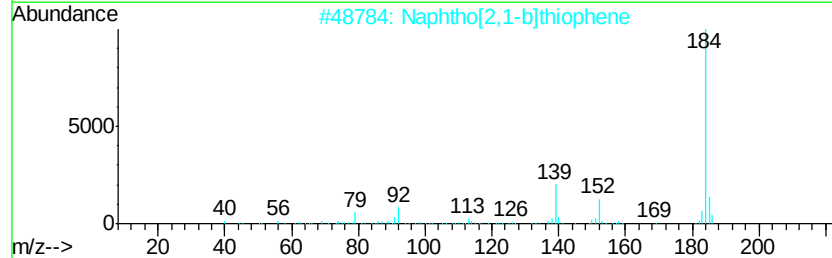
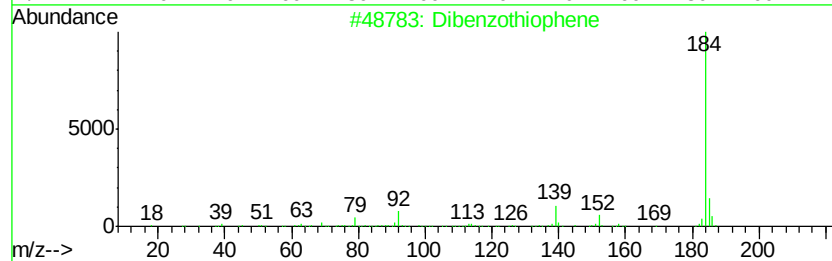
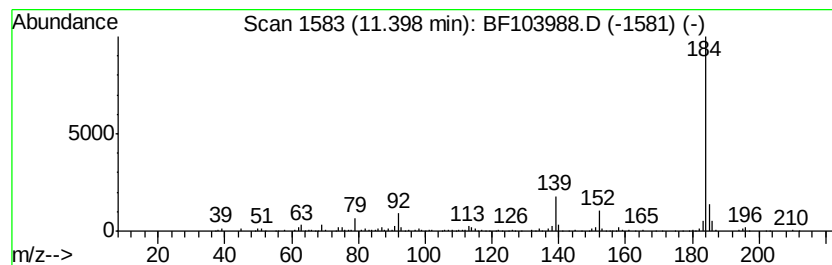
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	7.40 ng	345486	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
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SB-107(4-5)

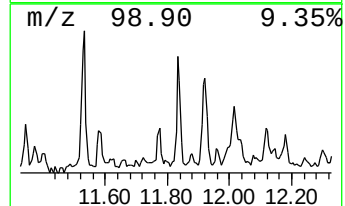
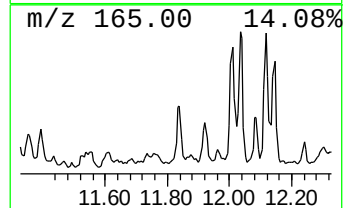
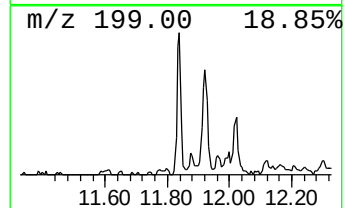
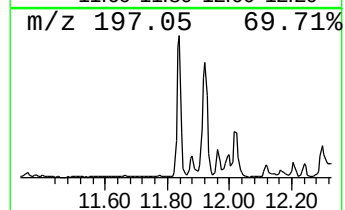
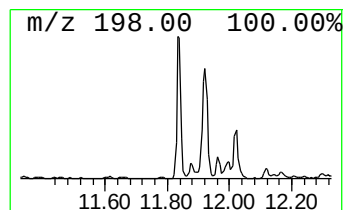
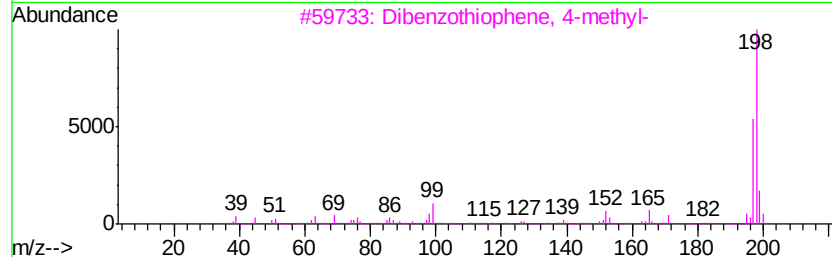
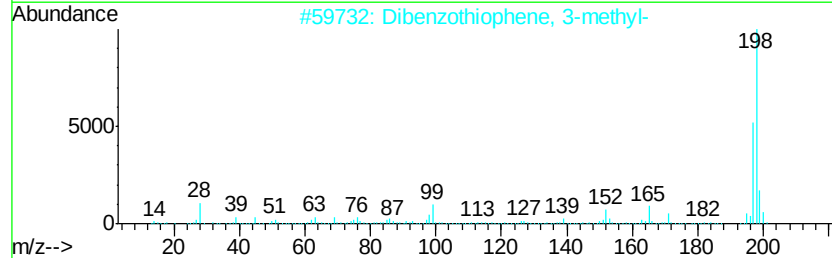
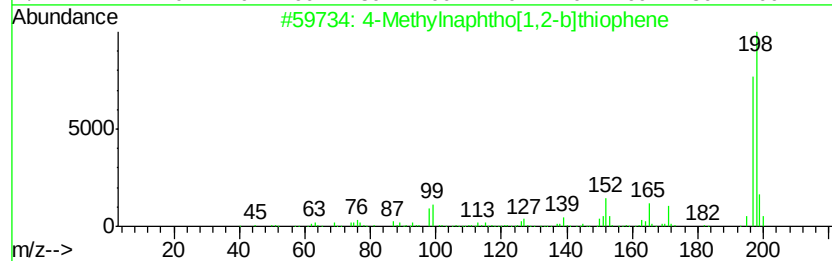
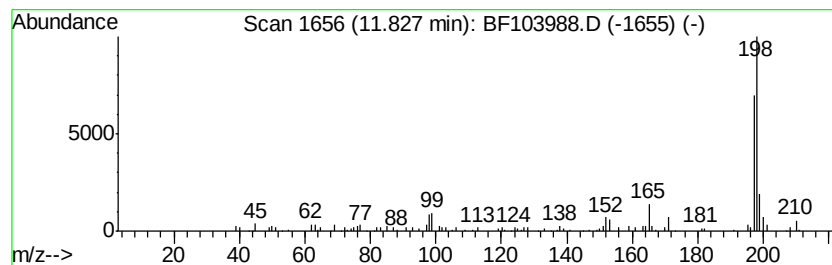
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.12 ng	239168	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5			Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103988.D
Acq On : 27 Mar 2018 23:25
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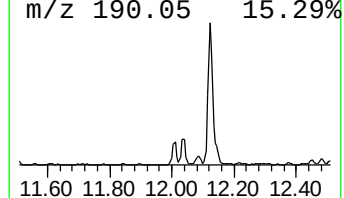
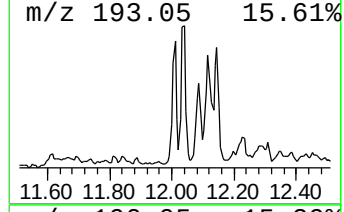
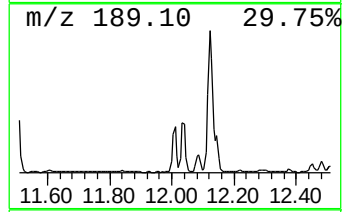
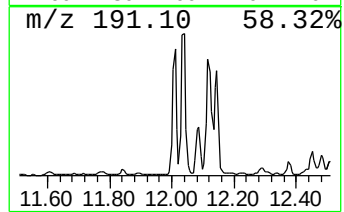
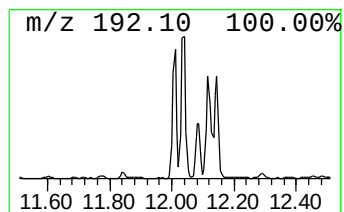
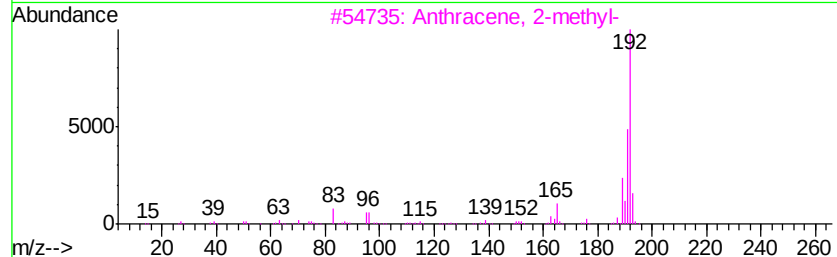
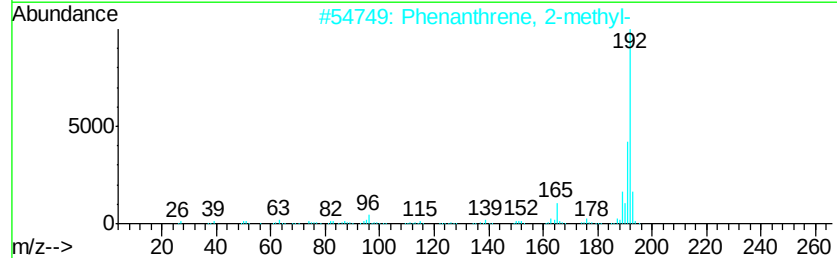
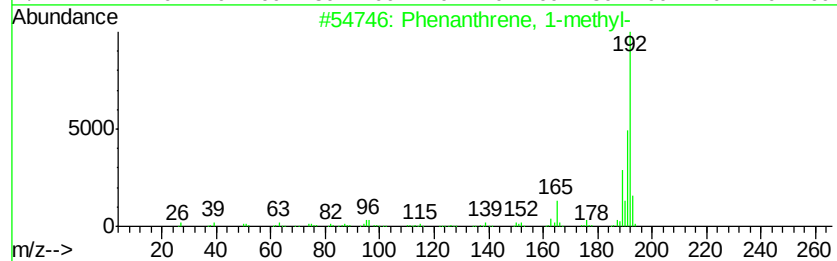
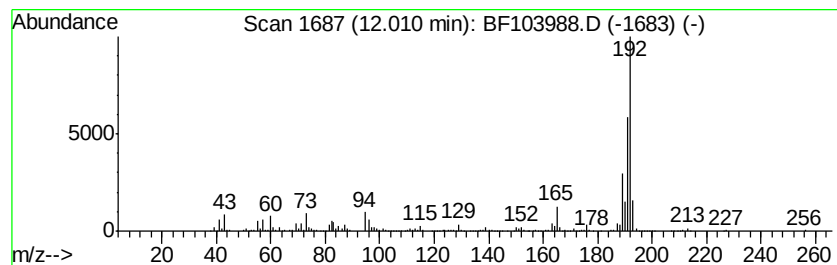
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	13.65 ng	637301	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103988.D
Acq On : 27 Mar 2018 23:25
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ALS Vial : 20 Sample Multiplier: 1

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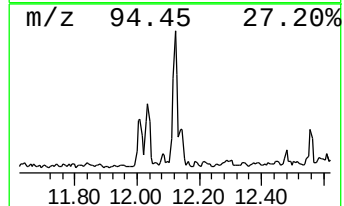
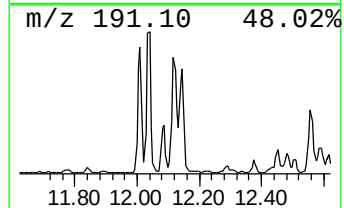
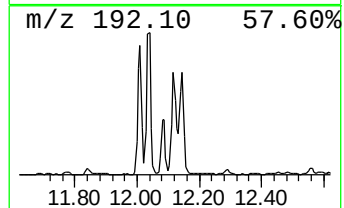
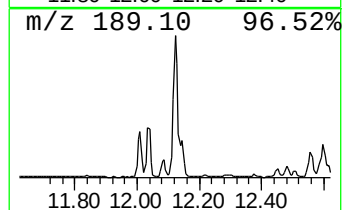
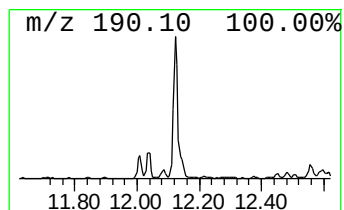
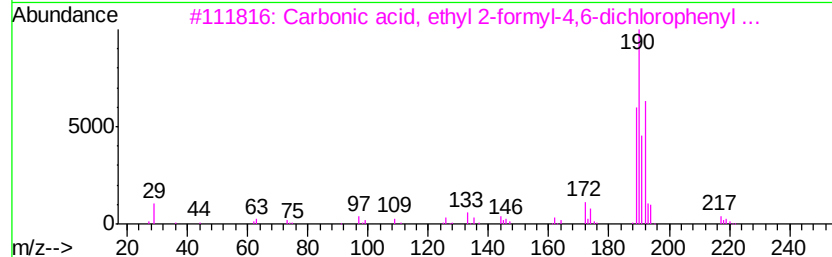
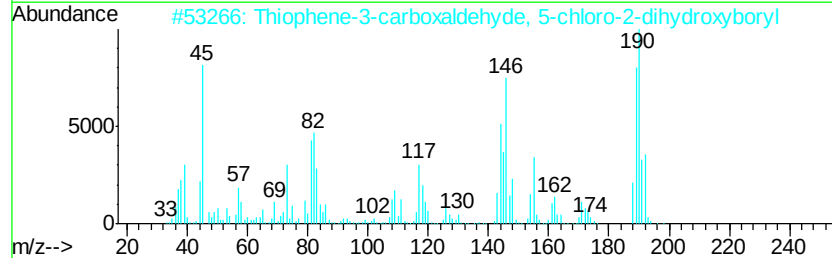
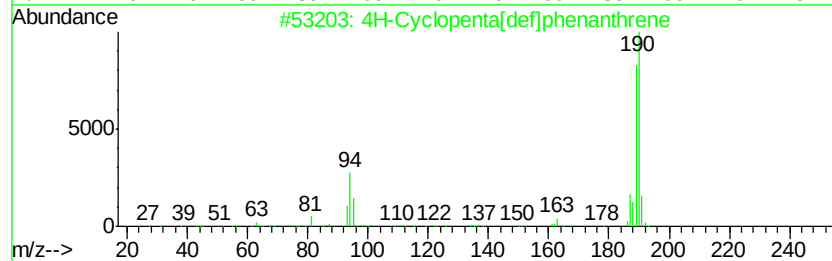
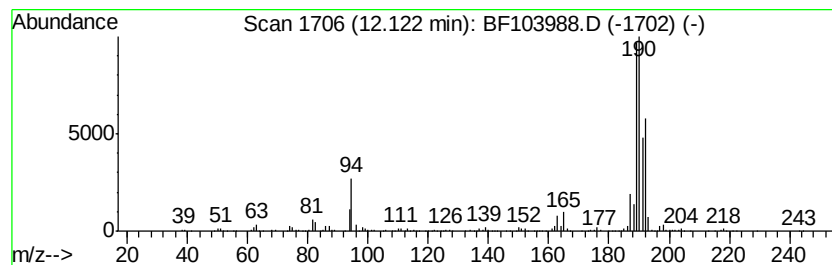
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	16.84 ng	786022	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
Data File : BF103988.D
Acq On : 27 Mar 2018 23:25
Operator : JU/SJ
Sample : J2075-01
Misc :
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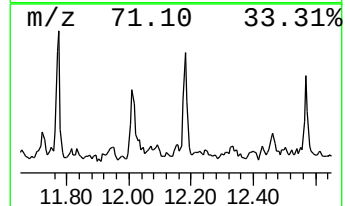
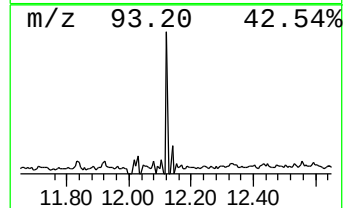
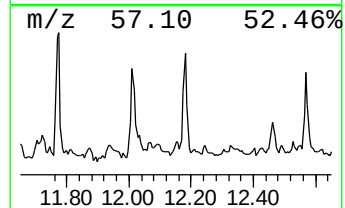
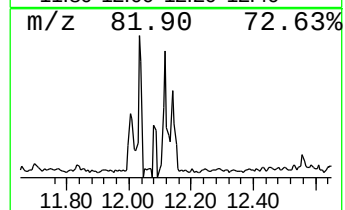
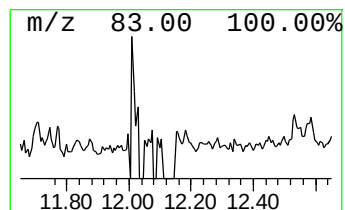
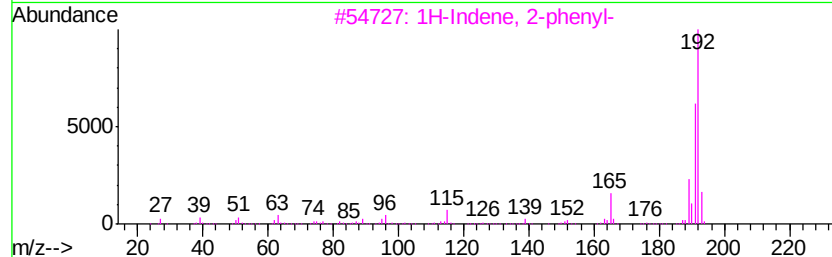
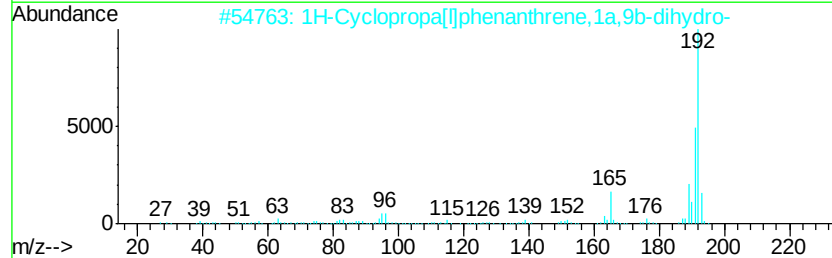
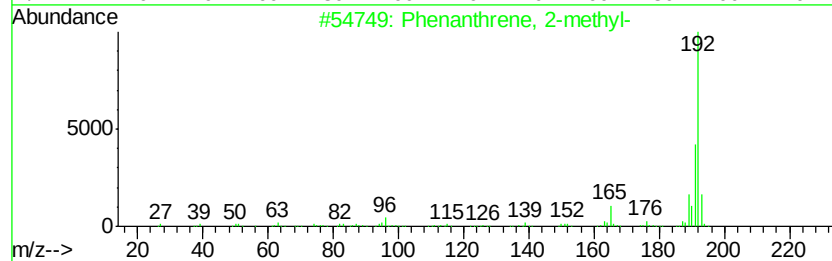
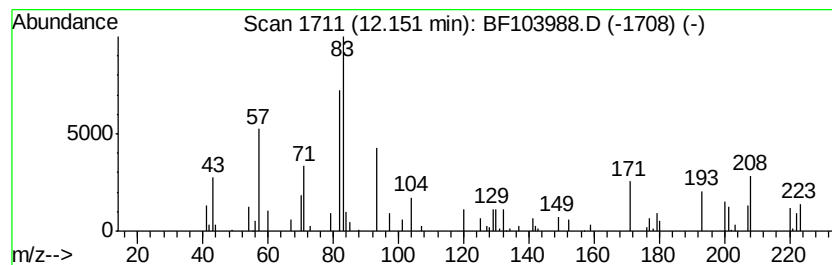
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.15	7.04 ng	328550	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
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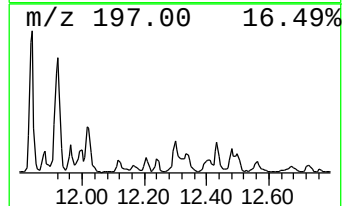
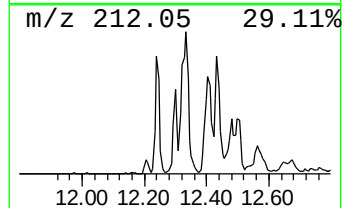
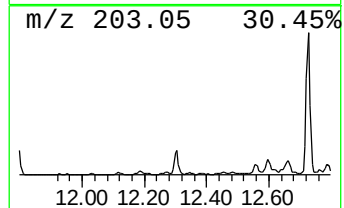
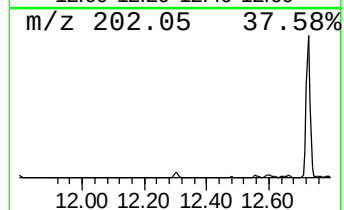
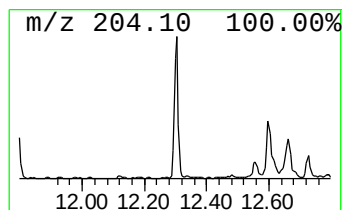
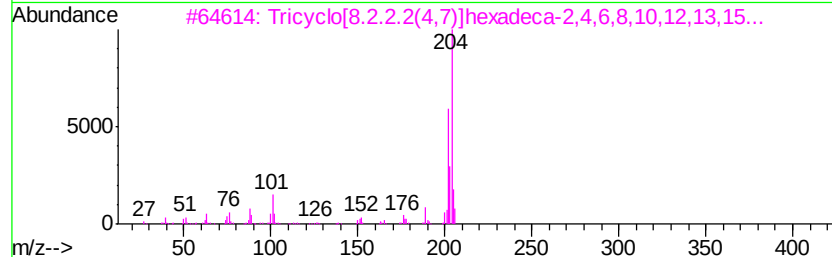
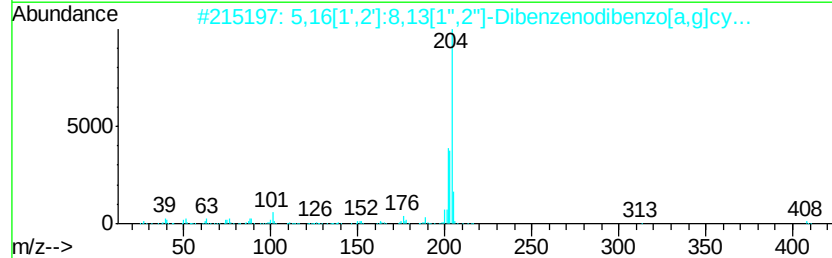
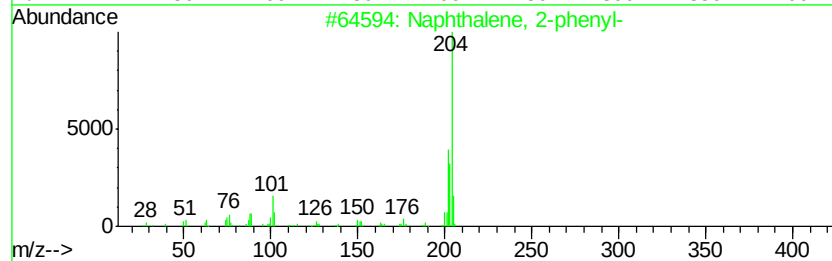
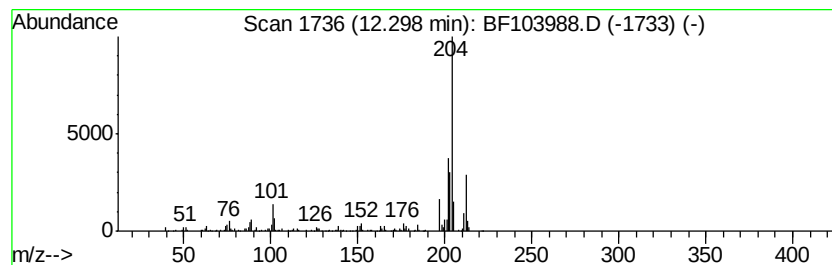
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.41 ng	252431	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	46



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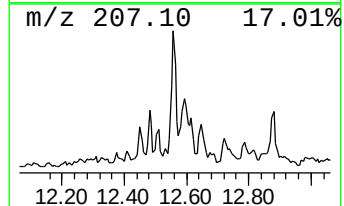
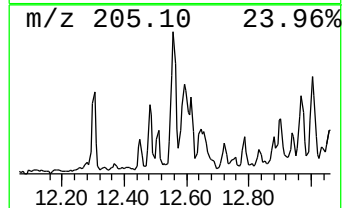
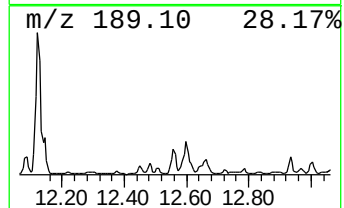
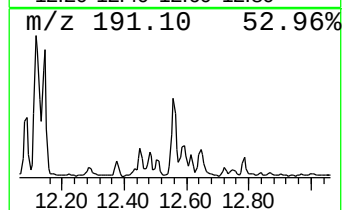
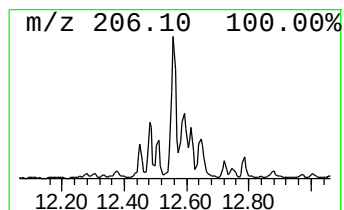
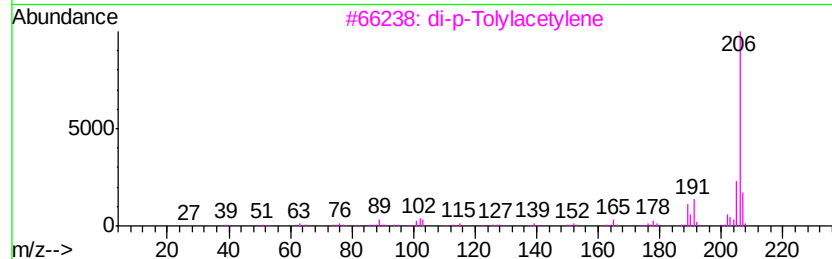
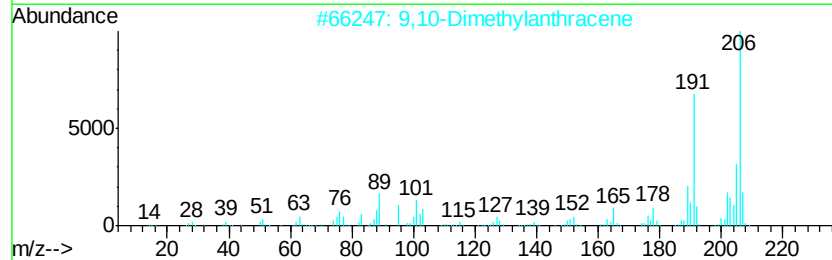
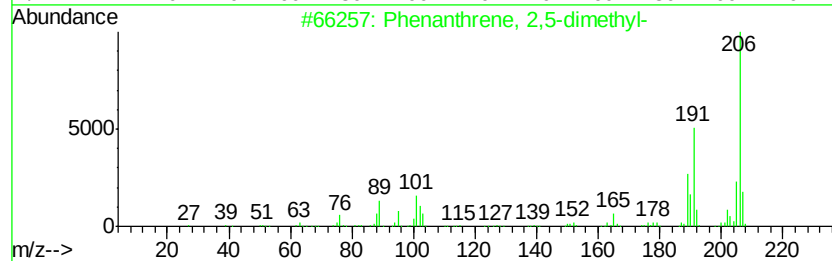
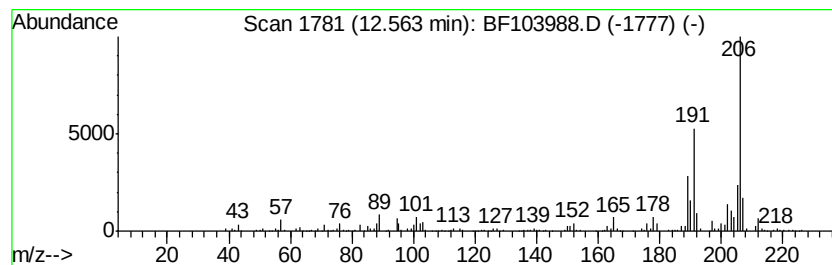
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	9.46 ng	441375	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4			5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	86
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



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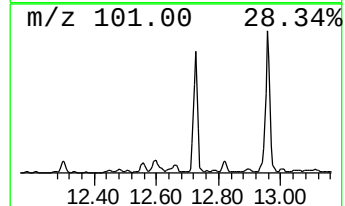
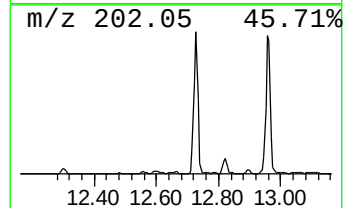
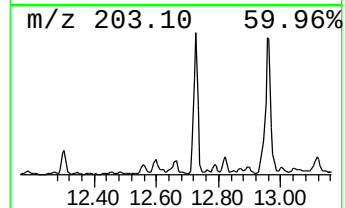
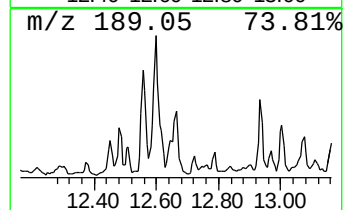
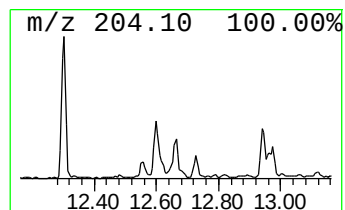
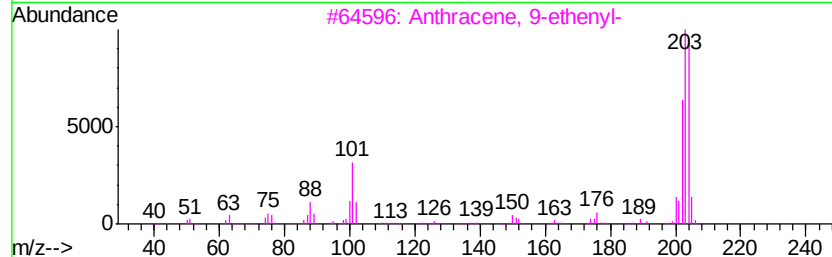
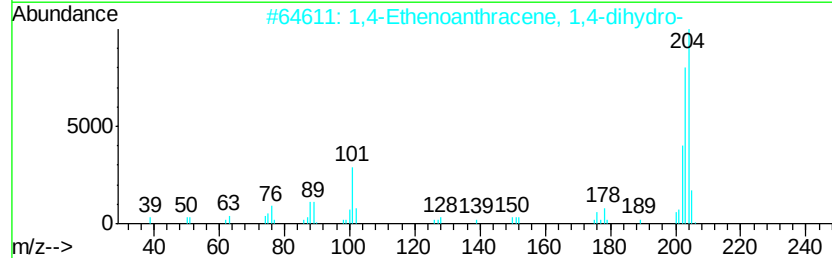
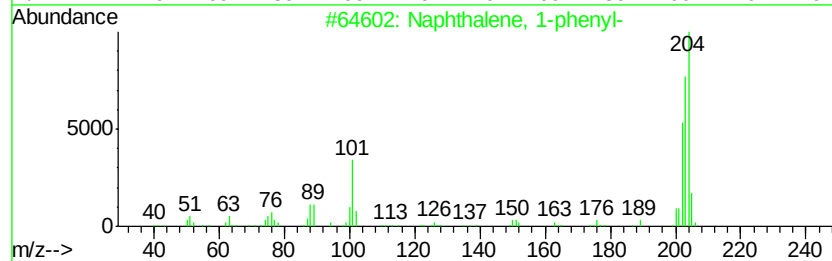
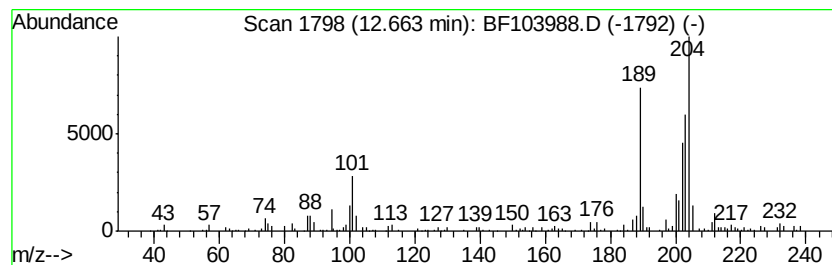
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.66 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	6.83 ng	318716	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
2		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	38
3		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	30
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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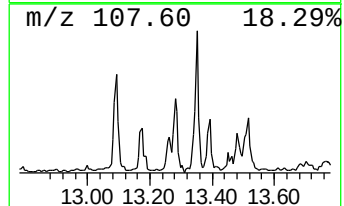
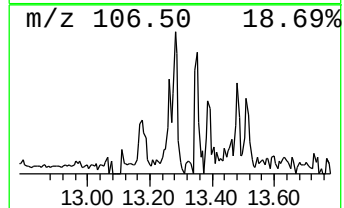
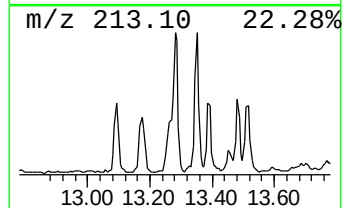
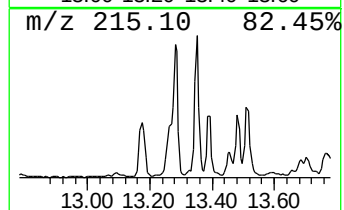
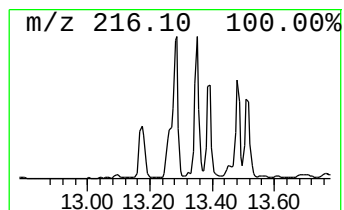
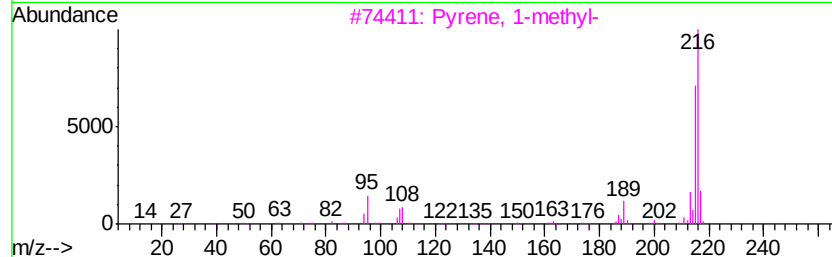
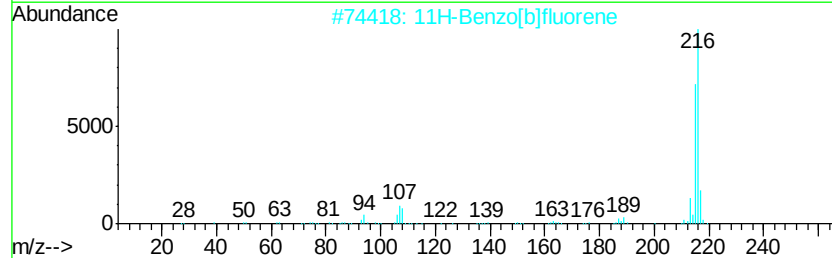
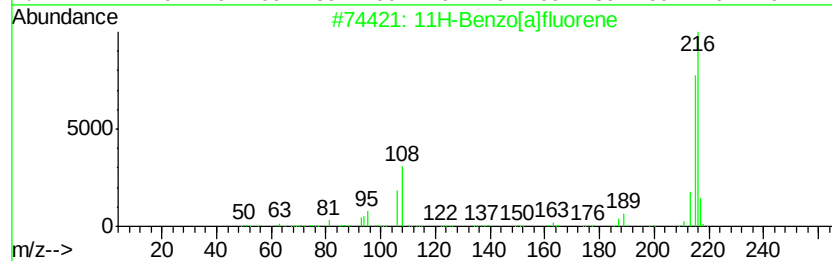
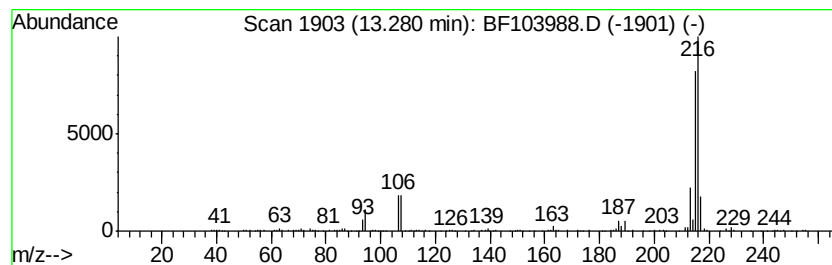
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.08 ng	454864	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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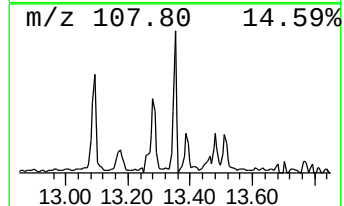
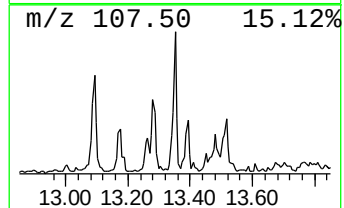
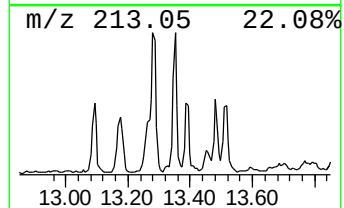
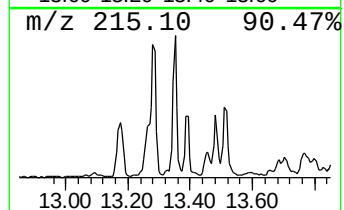
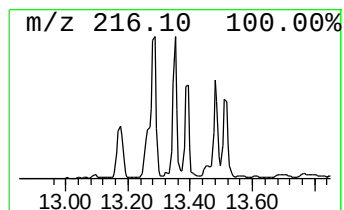
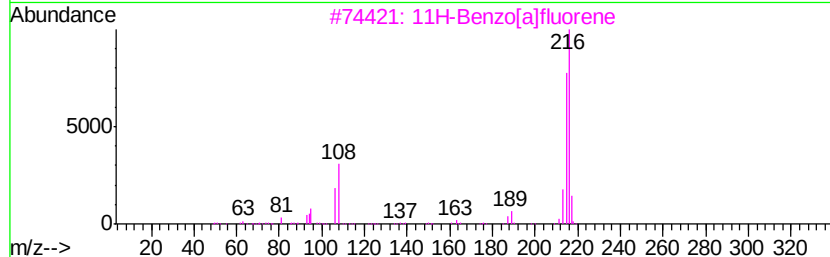
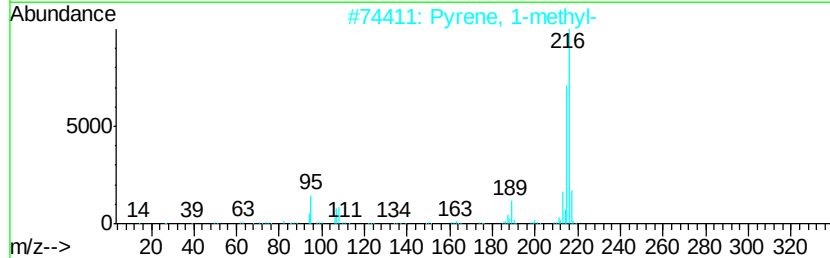
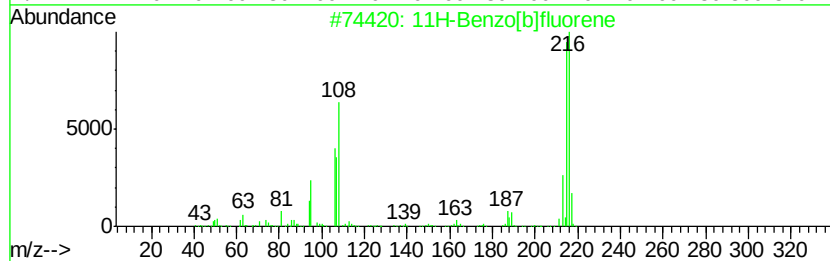
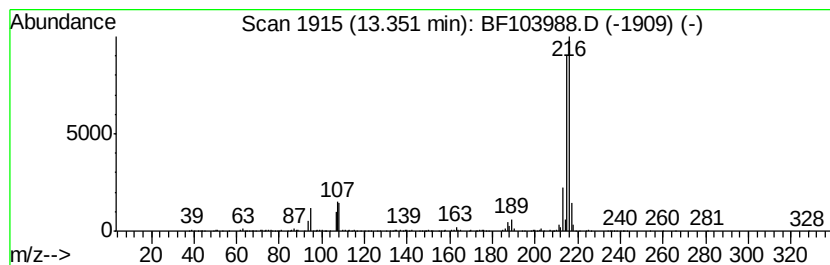
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.23 ng	468546	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
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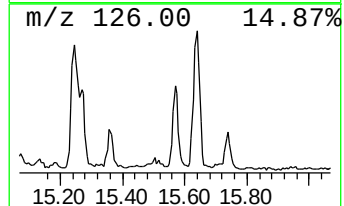
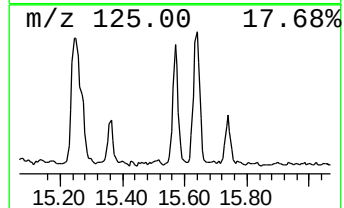
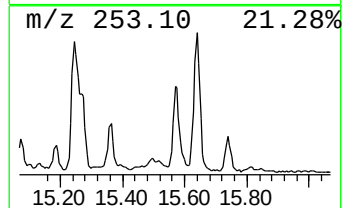
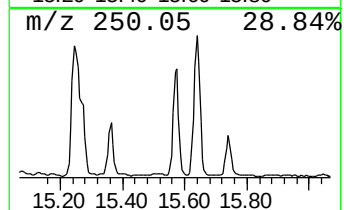
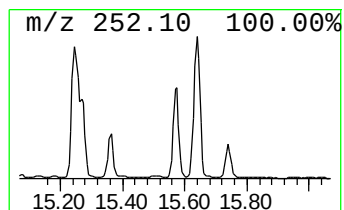
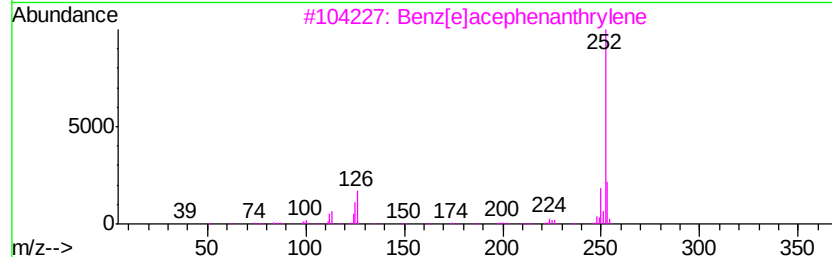
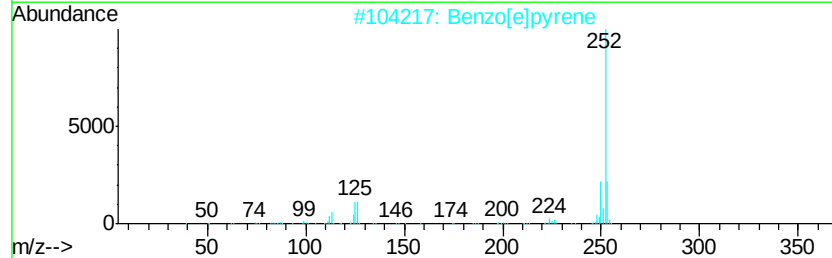
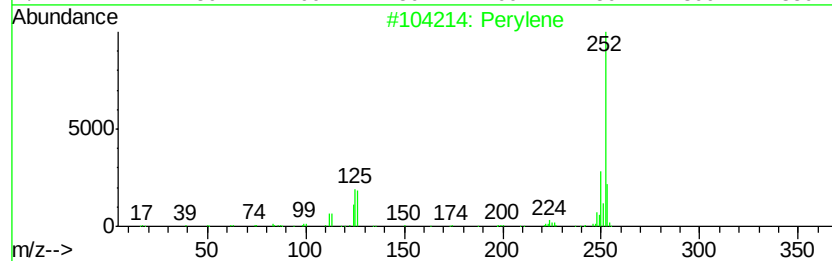
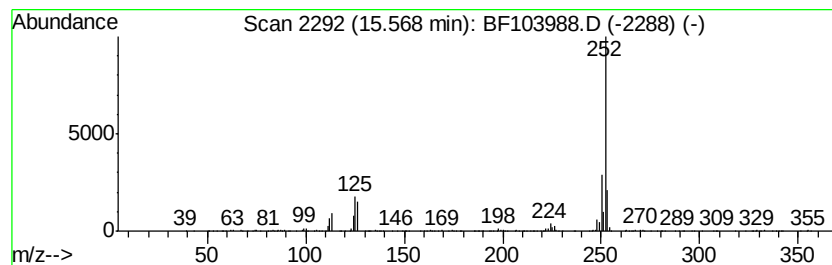
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	13.62 ng	426824	Perylene-d12	15.71

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
 Data File : BF103988.D
 Acq On : 27 Mar 2018 23:25
 Operator : JU/SJ
 Sample : J2075-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.75	6.75	91.5	ng	3710110	1	6.97	811040	20.0
Naphthalene, 1-me...	9.06	7.2	ng	436586	2	8.25	1210270	20.0
Naphthalene, 1,6-...	9.59	6.0	ng	335052	3	10.01	1117760	20.0
Naphthalene, 2,3-...	9.66	8.1	ng	452261	3	10.01	1117760	20.0
Dodecane, 2-methyl-	10.90	4.8	ng	225325	4	11.50	933545	20.0
9H-Fluorene, 2-me...	11.11	6.0	ng	278311	4	11.50	933545	20.0
Dibenzothiophene	11.40	7.4	ng	345486	4	11.50	933545	20.0
4-Methylnaphtho[1...	11.83	5.1	ng	239168	4	11.50	933545	20.0
Phenanthrene, 1-m...	12.01	13.7	ng	637301	4	11.50	933545	20.0
4H-Cyclopenta[def...	12.12	16.8	ng	786022	4	11.50	933545	20.0
Phenanthrene, 2-m...	12.15	7.0	ng	328550	4	11.50	933545	20.0
Naphthalene, 2-ph...	12.30	5.4	ng	252431	4	11.50	933545	20.0
Phenanthrene, 2,5...	12.56	9.5	ng	441375	4	11.50	933545	20.0
unknown12.66	12.66	6.8	ng	318716	4	11.50	933545	20.0
11H-Benzo[a]fluorene	13.28	5.1	ng	454864	5	14.16	1792350	20.0
11H-Benzo[b]fluorene	13.35	5.2	ng	468546	5	14.16	1792350	20.0
Perylene	15.57	13.6	ng	426824	6	15.71	626829	20.0