

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
 Data File : BF107914.D
 Acq On : 2 Aug 2018 17:28
 Operator : JU/SJ
 Sample : J4285-17 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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	6.754	746	751	764	rBV4	39626	128874	5.94%	0.551%
2	6.954	782	785	808	rBV	299509	676861	31.19%	2.896%
3	7.107	808	811	821	rVV	81205	146668	6.76%	0.627%
4	7.572	878	890	896	rBV6	15601	63593	2.93%	0.272%
5	8.236	999	1003	1028	rBV	612195	1113191	51.30%	4.762%
6	8.960	1122	1126	1134	rBV	17990	38270	1.76%	0.164%
7	9.048	1137	1141	1149	rVB	33415	45548	2.10%	0.195%
8	9.307	1182	1185	1194	rBV	135668	201342	9.28%	0.861%
9	9.577	1228	1231	1239	rBV3	13770	25008	1.15%	0.107%
10	9.648	1239	1243	1246	rBV2	38740	46757	2.15%	0.200%
11	9.766	1260	1263	1271	rVB3	18346	34837	1.61%	0.149%
12	9.854	1275	1278	1284	rBV2	26873	38715	1.78%	0.166%
13	9.995	1298	1302	1305	rBV	763697	810517	37.35%	3.468%
14	10.025	1305	1307	1316	rVB	158704	195877	9.03%	0.838%
15	10.148	1323	1328	1332	rVB3	19539	25703	1.18%	0.110%
16	10.207	1332	1338	1340	rVV2	35208	62903	2.90%	0.269%
17	10.230	1340	1342	1351	rVV	35319	51961	2.39%	0.222%
18	10.307	1351	1355	1358	rVV	19352	23469	1.08%	0.100%
19	10.395	1366	1370	1378	rVB3	26435	41420	1.91%	0.177%
20	10.548	1390	1396	1402	rBV2	70405	117571	5.42%	0.503%
21	10.607	1402	1406	1408	rBV2	19141	23517	1.08%	0.101%
22	10.701	1416	1422	1427	rVB2	30291	44752	2.06%	0.191%
23	10.795	1432	1438	1444	rBV4	63855	123680	5.70%	0.529%
24	11.095	1482	1489	1491	rBV4	34556	56720	2.61%	0.243%
25	11.219	1505	1510	1512	rBV3	27440	38265	1.76%	0.164%
26	11.236	1512	1513	1519	rVB4	26858	31124	1.43%	0.133%
27	11.307	1519	1525	1526	rBV6	26412	40619	1.87%	0.174%
28	11.336	1526	1530	1536	rVV4	32856	71457	3.29%	0.306%
29	11.389	1536	1539	1550	rVB	54367	94726	4.37%	0.405%
30	11.489	1552	1556	1558	rBV	587423	648469	29.88%	2.774%
31	11.513	1558	1560	1567	rVV	1193410	1536731	70.82%	6.574%
32	11.571	1567	1570	1591	rVB	242391	537323	24.76%	2.299%
33	11.748	1591	1600	1603	rBV2	70892	142504	6.57%	0.610%
34	11.777	1603	1605	1610	rVB2	37838	38168	1.76%	0.163%

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35	11.995	1638	1642	1644	rBV	166280	205130	9.45%	0.878%
36	12.024	1644	1647	1652	rVB	167624	205589	9.47%	0.880%
37	12.071	1652	1655	1657	rBV	51370	48261	2.22%	0.206%
38	12.107	1657	1661	1663	rBV2	202980	259724	11.97%	1.111%
39	12.289	1689	1692	1696	rBV	98800	124067	5.72%	0.531%
40	12.324	1696	1698	1702	rVV	52068	73120	3.37%	0.313%
41	12.360	1702	1704	1708	rVB	30524	27875	1.28%	0.119%
42	12.436	1714	1717	1720	rBV	34061	45396	2.09%	0.194%
43	12.466	1720	1722	1724	rVB	33316	23794	1.10%	0.102%
44	12.489	1724	1726	1732	rVB2	25355	29994	1.38%	0.128%
45	12.542	1732	1735	1738	rBV	135565	164055	7.56%	0.702%
46	12.577	1738	1741	1743	rVV3	43186	49516	2.28%	0.212%
47	12.636	1747	1751	1759	rVB3	92478	163175	7.52%	0.698%
48	12.713	1760	1764	1772	rBV	1570513	1995269	91.95%	8.536%
49	12.860	1786	1789	1796	rVB3	55575	95642	4.41%	0.409%
50	12.942	1796	1803	1809	rBV	1625837	2170016	100.00%	9.284%
51	12.989	1809	1811	1818	rVB	119443	140898	6.49%	0.603%
52	13.071	1821	1825	1829	rBV2	209345	282334	13.01%	1.208%
53	13.160	1835	1840	1845	rVB3	118952	218861	10.09%	0.936%
54	13.207	1846	1848	1851	rBV2	32545	34151	1.57%	0.146%
55	13.242	1851	1854	1855	rVV2	85222	85049	3.92%	0.364%
56	13.271	1856	1859	1863	rVV	125911	168804	7.78%	0.722%
57	13.336	1867	1870	1872	rBV2	52312	56860	2.62%	0.243%
58	13.371	1872	1876	1883	rVB3	147701	246841	11.38%	1.056%
59	13.465	1889	1892	1894	rBV	112155	112481	5.18%	0.481%
60	13.495	1895	1897	1901	rVB2	82959	88579	4.08%	0.379%
61	13.783	1943	1946	1953	rBV	132610	197047	9.08%	0.843%
62	13.895	1962	1965	1967	rBV	137038	166220	7.66%	0.711%
63	13.918	1967	1969	1971	rVV	169707	174526	8.04%	0.747%
64	13.942	1971	1973	1980	rVV3	133087	279479	12.88%	1.196%
65	13.995	1980	1982	1988	rVB	139963	182750	8.42%	0.782%
66	14.142	2002	2007	2010	rBV2	1199584	2086263	96.14%	8.925%
67	14.171	2010	2012	2022	rVV	945243	1139126	52.49%	4.873%
68	14.248	2023	2025	2031	rVB2	101140	128407	5.92%	0.549%
69	14.530	2070	2073	2077	rBV	141319	180519	8.32%	0.772%
70	15.048	2159	2161	2168	rVB2	65178	80716	3.72%	0.345%
71	15.224	2186	2191	2202	rBV	658933	1682790	77.55%	7.199%

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72	15.336	2207	2210	2214	rVV	80156	104688	4.82%	0.448%
73	15.542	2241	2245	2252	rBV	340961	534453	24.63%	2.286%
74	15.612	2252	2257	2264	rBV	449876	895659	41.27%	3.832%
75	15.677	2264	2268	2272	rBV	426233	658036	30.32%	2.815%
76	17.259	2532	2537	2549	rVB2	176746	451336	20.80%	1.931%

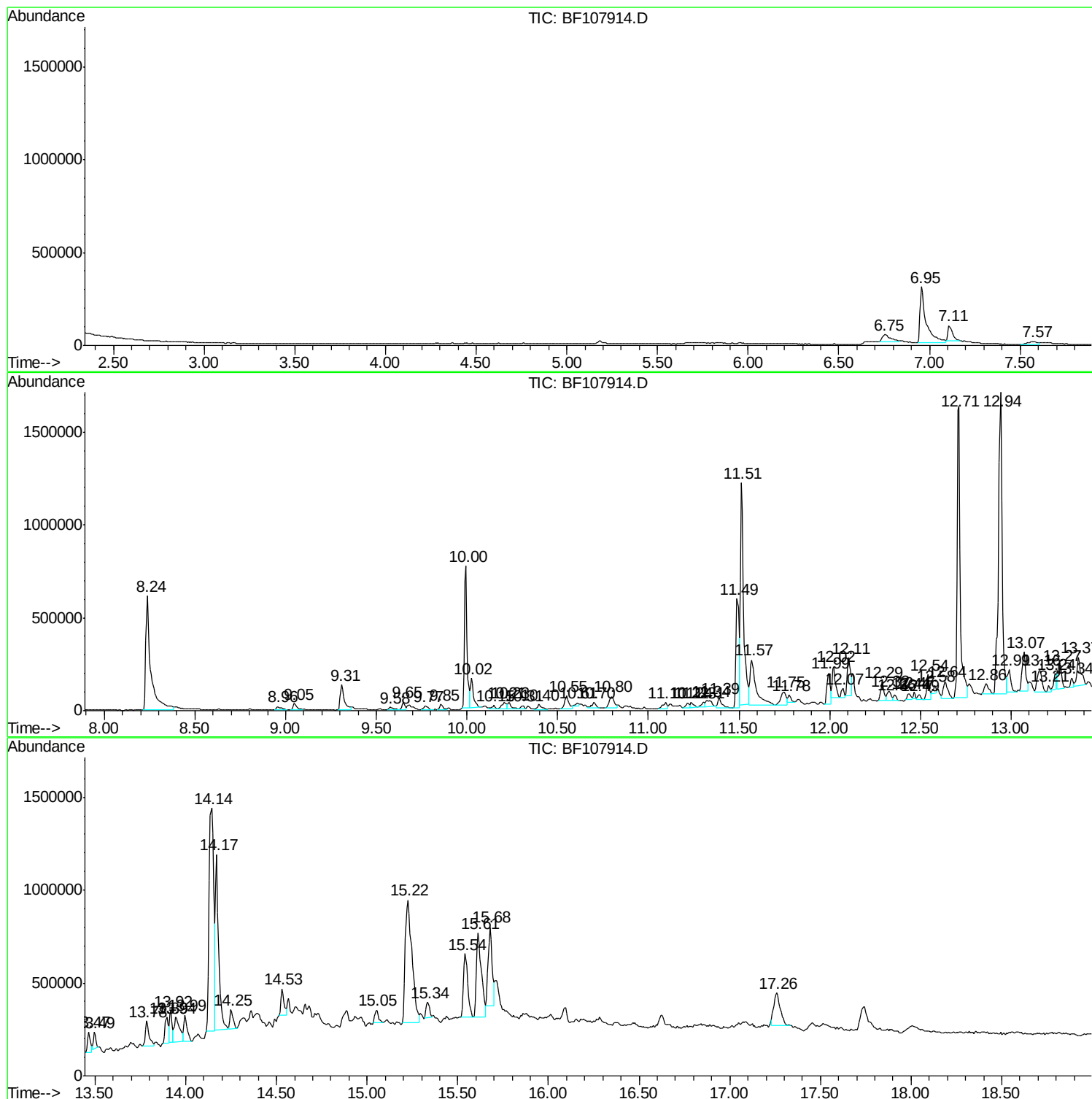
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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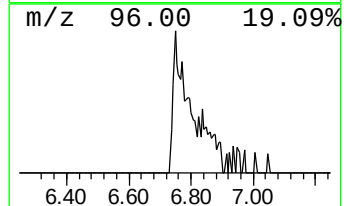
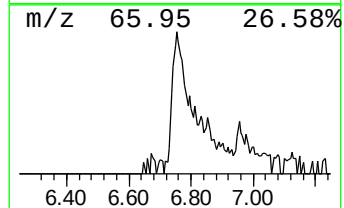
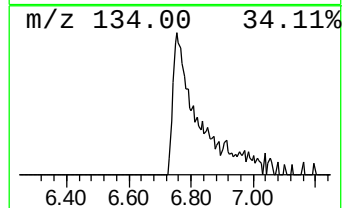
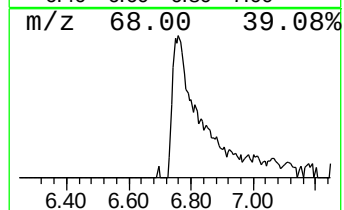
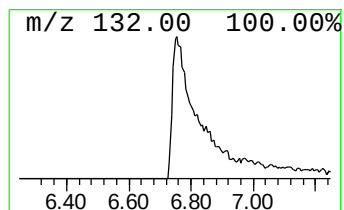
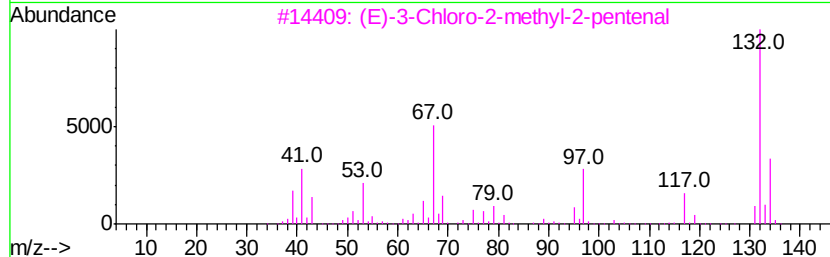
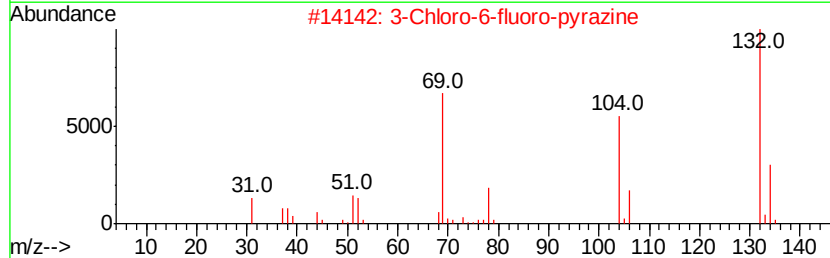
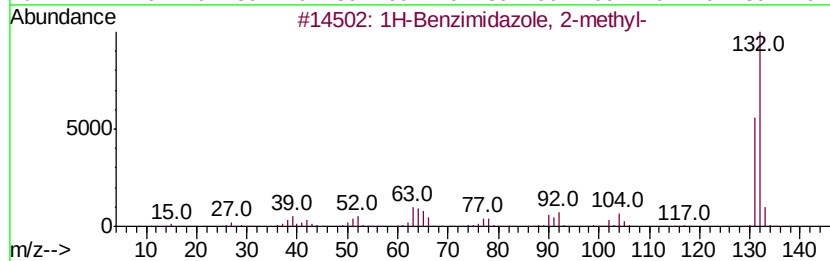
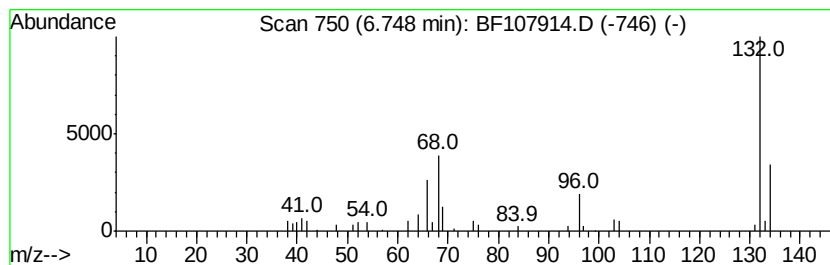
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.75 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	3.81 ng	128874	1,4-Dichlorobenzene-d4	6.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	27
2			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
4			1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
5			1-Aminoindan	133	C9H11N	034698-41-4	16



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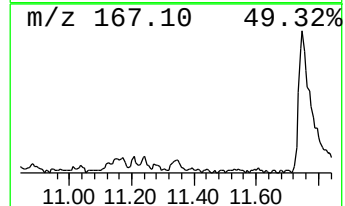
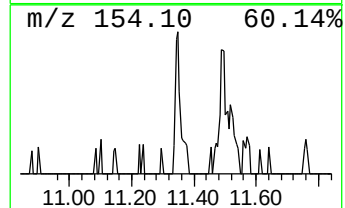
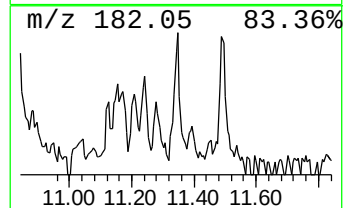
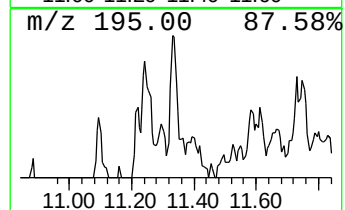
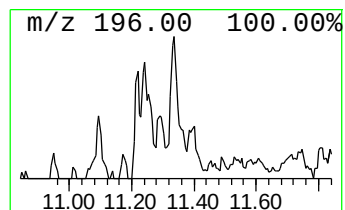
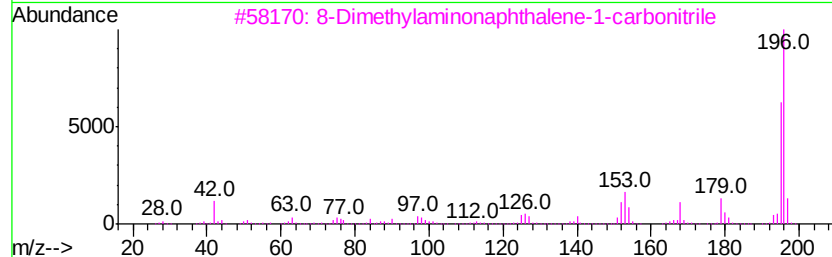
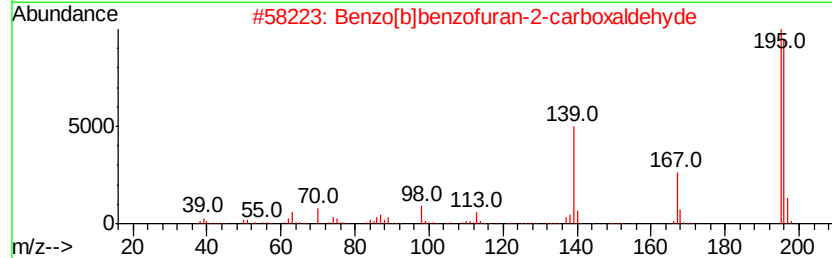
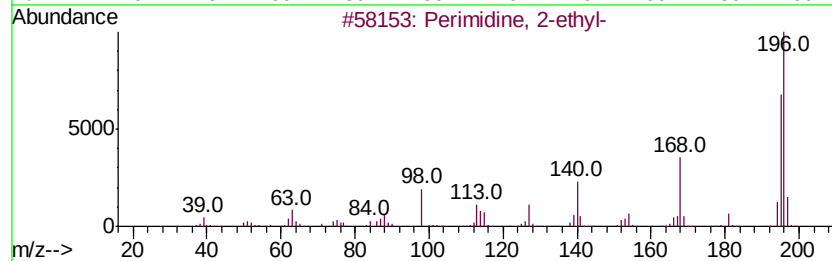
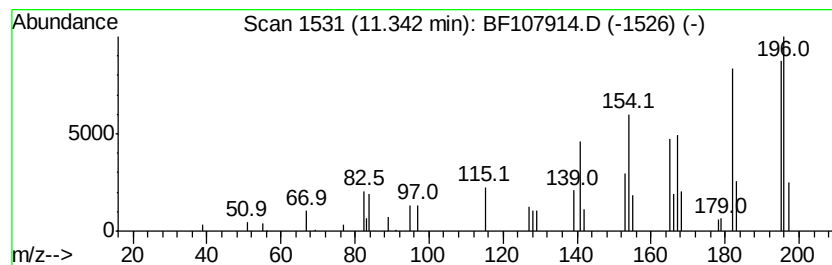
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Perimidine, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.34	2.20 ng	71457	Phenanthrene-d10		11.49	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	52
2		Benzo[blbenzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	42
3		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	38
4		5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	38
5		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	37



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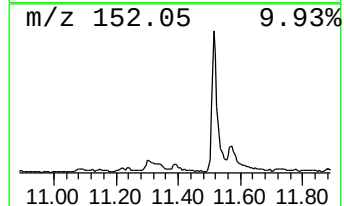
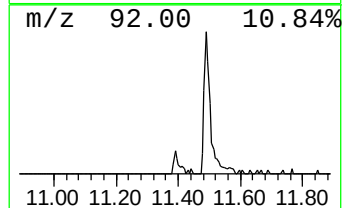
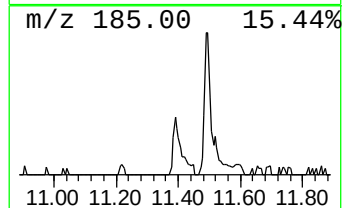
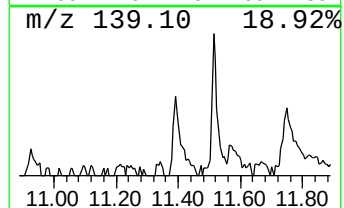
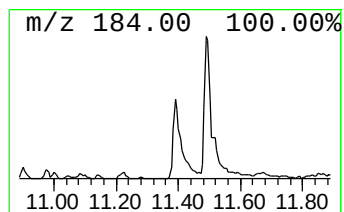
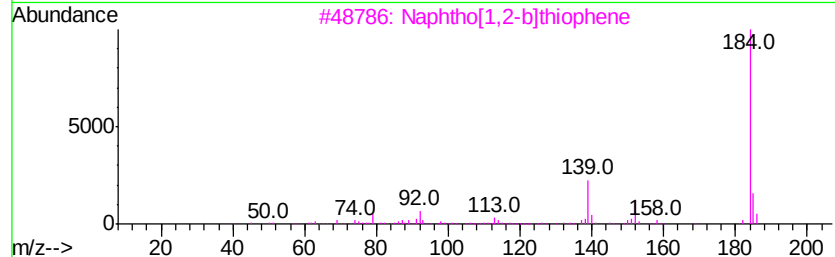
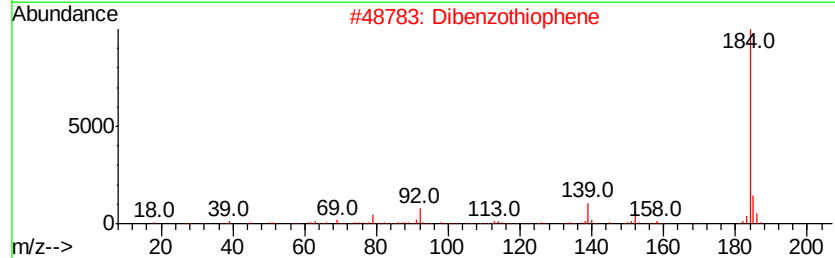
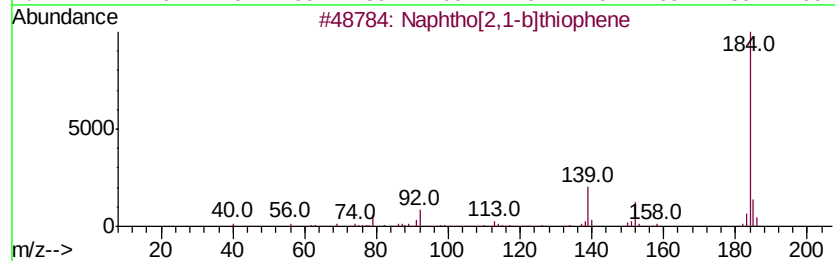
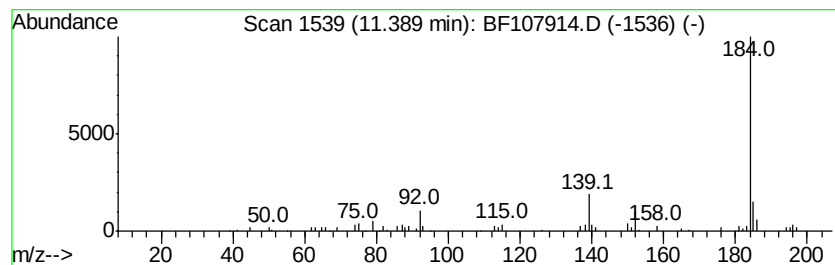
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	2.92 ng	94726	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2		Dibenzothiophene	184	C12H8S	000132-65-0	93
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



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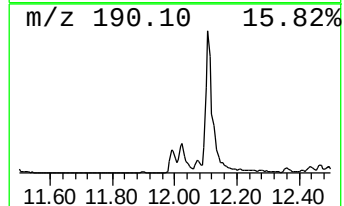
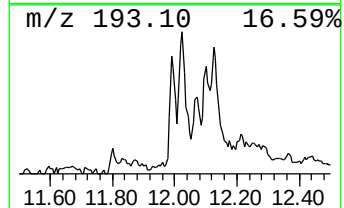
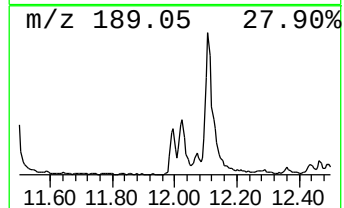
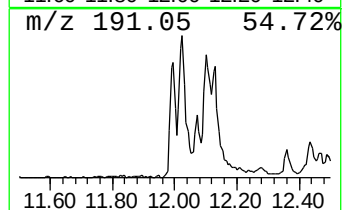
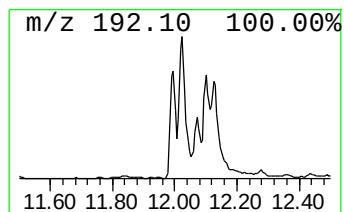
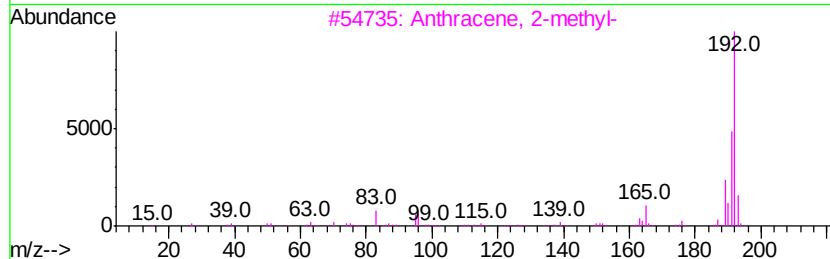
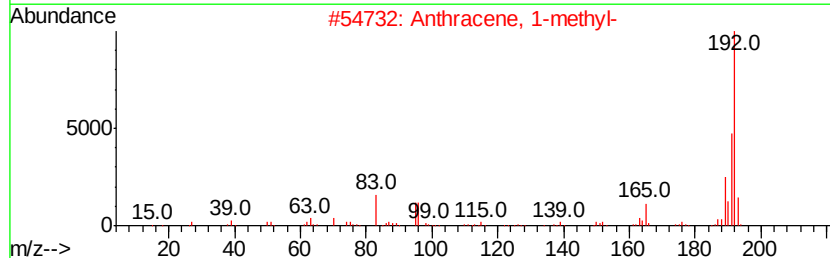
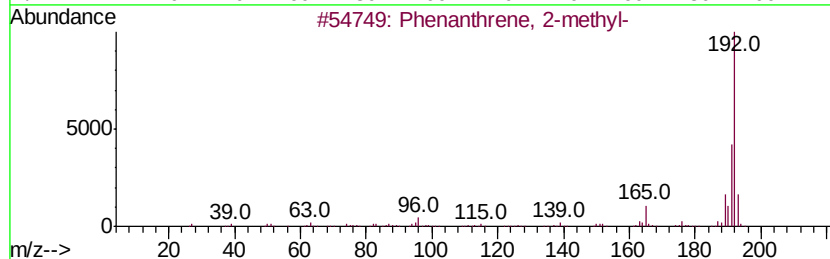
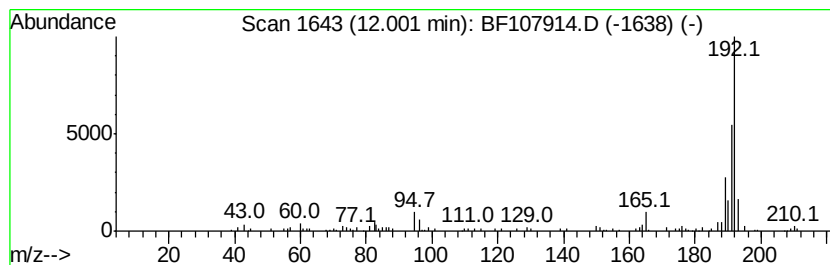
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.33 ng	205130	Phenanthrene-d10	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
Operator : JU/SJ
Sample : J4285-17 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

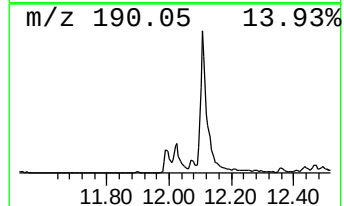
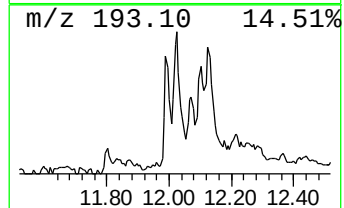
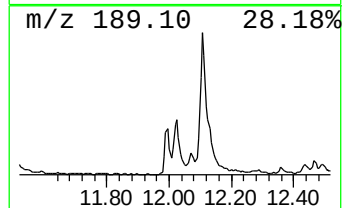
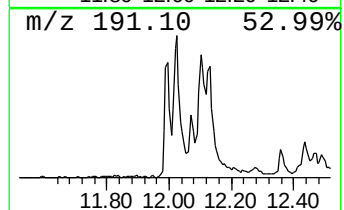
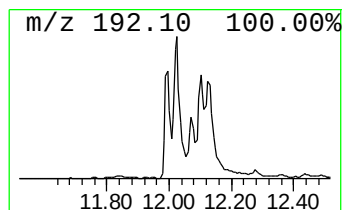
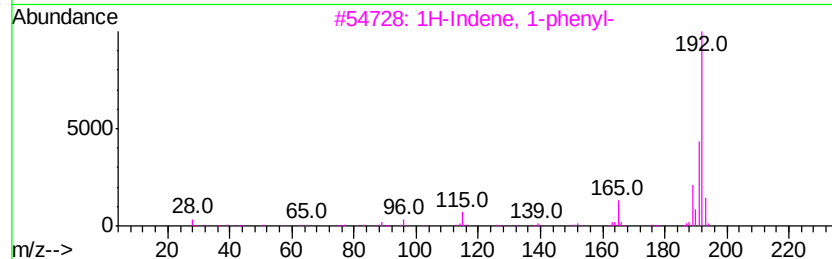
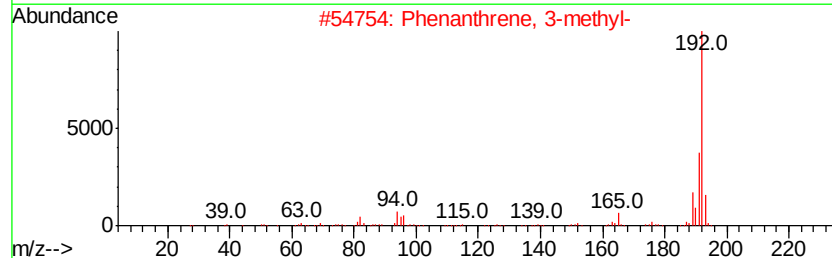
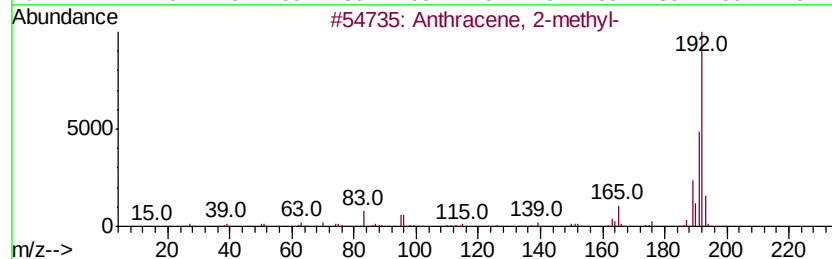
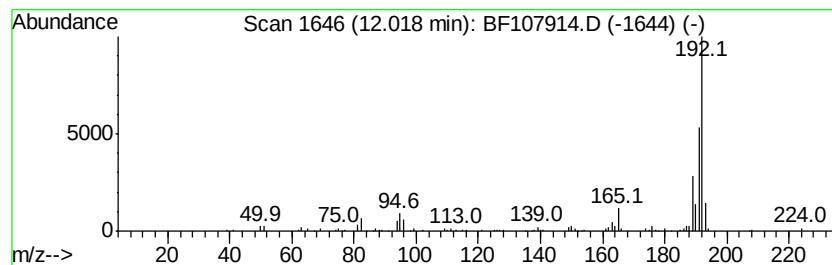
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.34 ng	205589	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
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Sample : J4285-17 10X
Misc :
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ClientSampleId :
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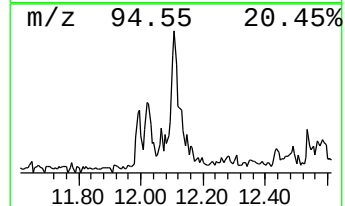
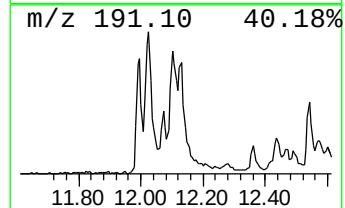
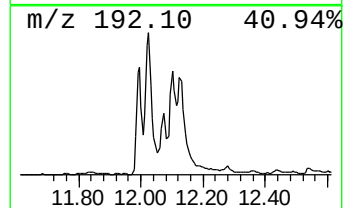
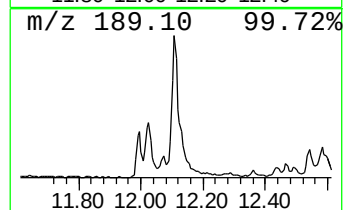
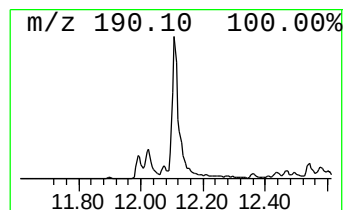
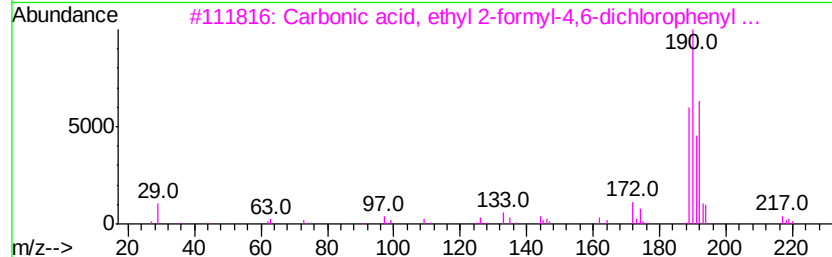
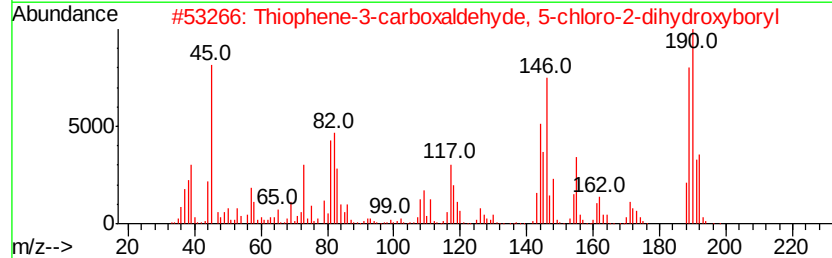
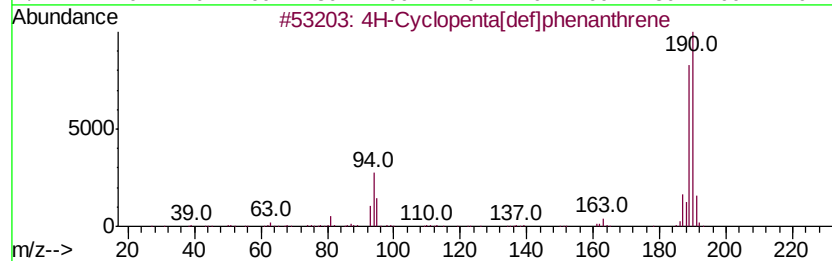
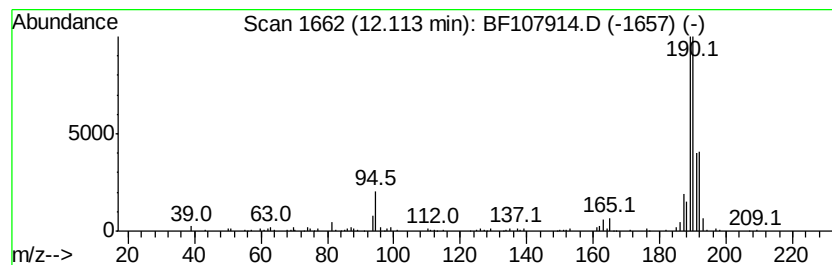
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.01 ng	259724	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5		Methyl diselenide	190	C2H6Se2	007101-31-7	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
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ClientSampleId :
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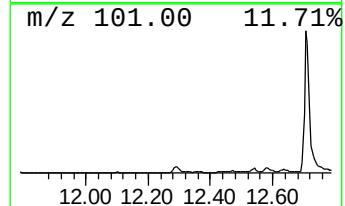
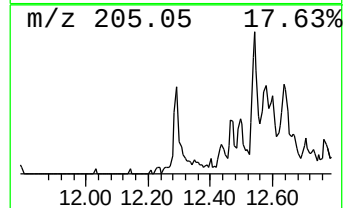
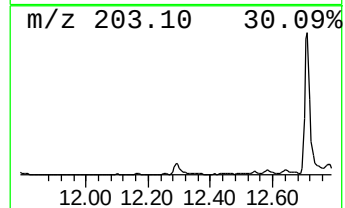
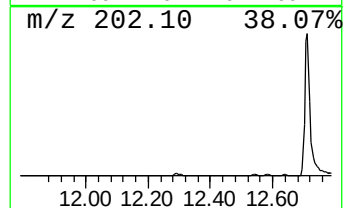
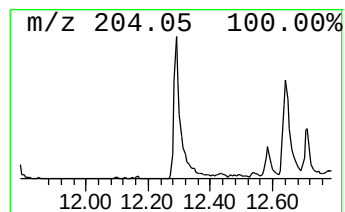
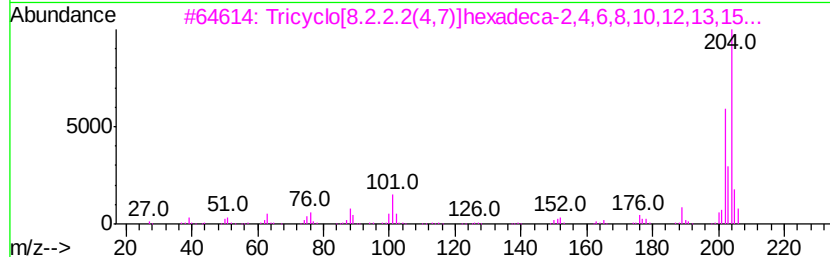
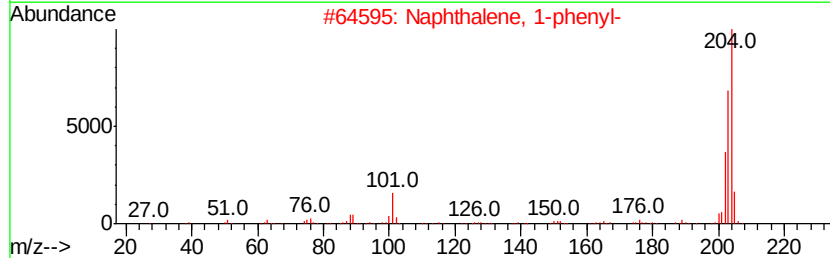
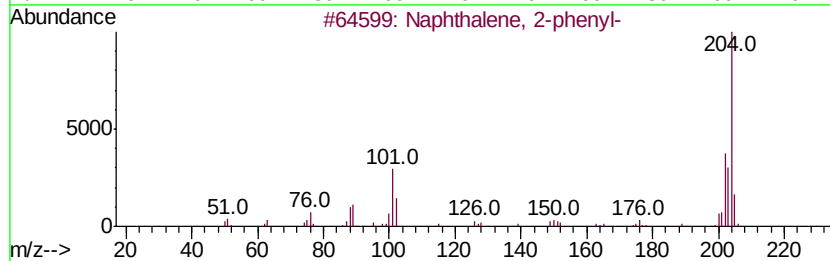
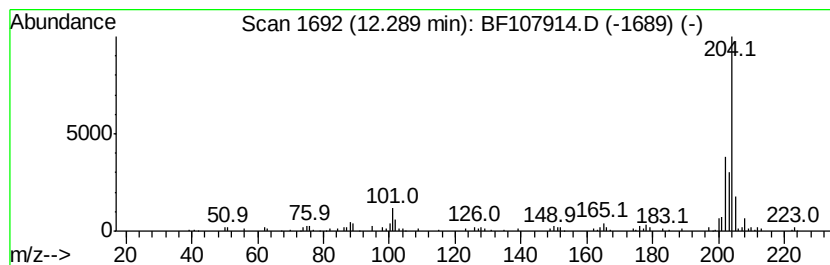
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.83 ng	124067	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
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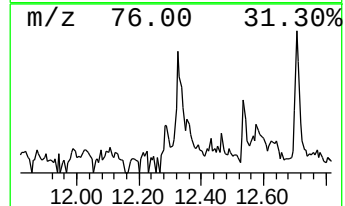
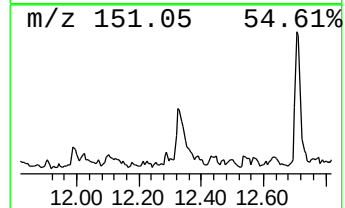
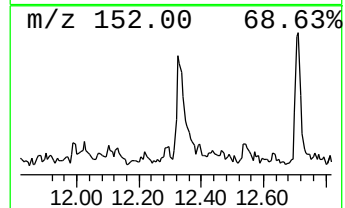
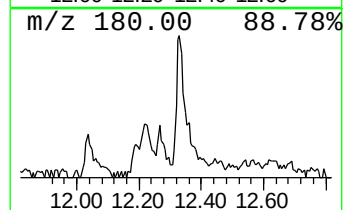
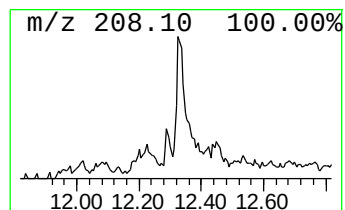
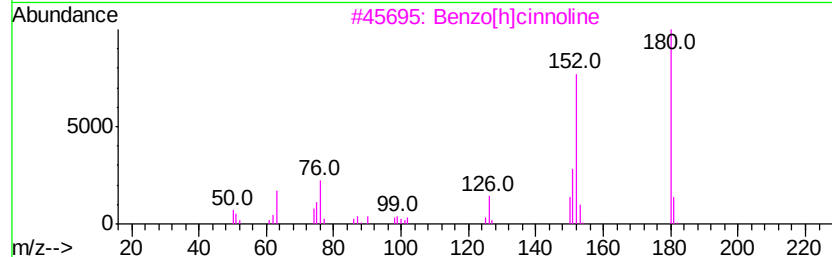
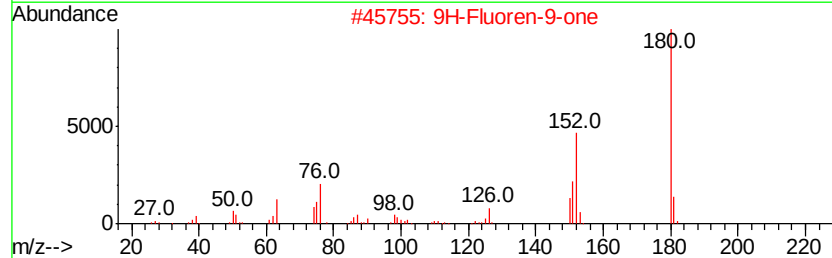
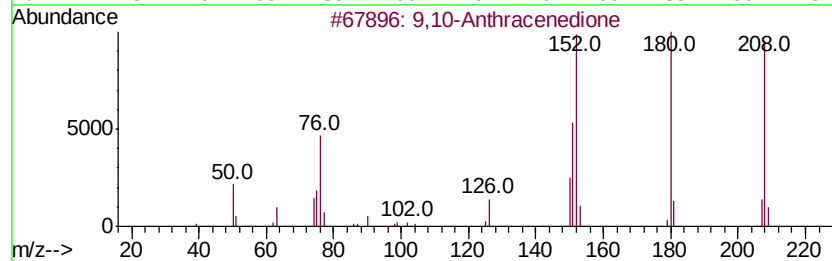
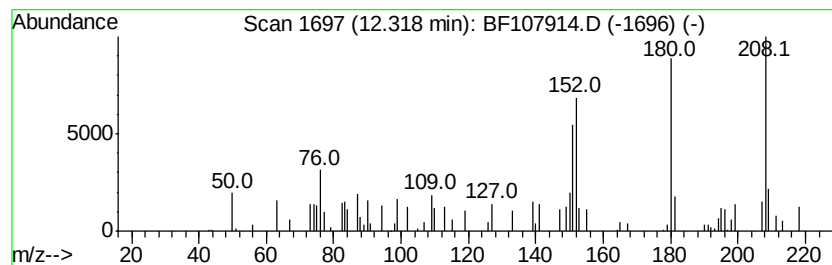
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.26 ng	73120	Phenanthrene-d10	11.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
4			1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
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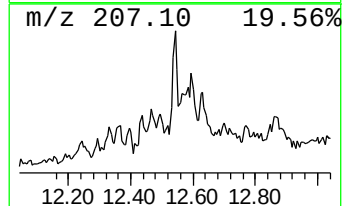
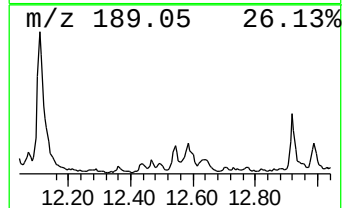
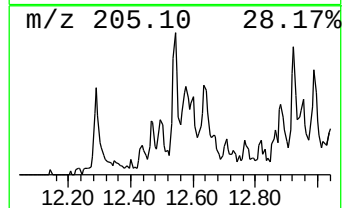
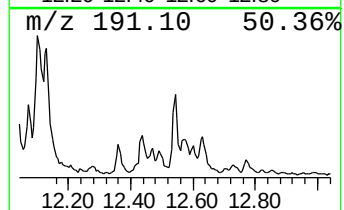
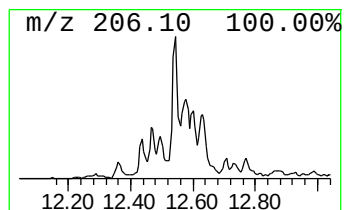
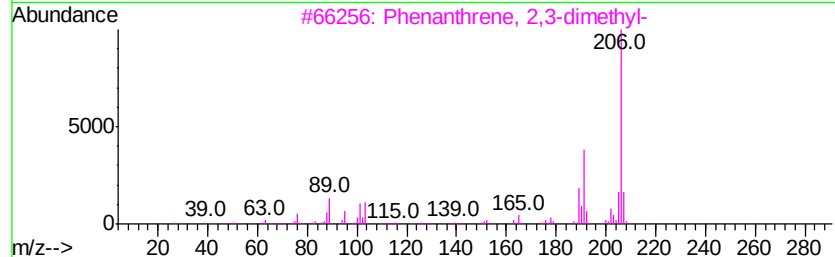
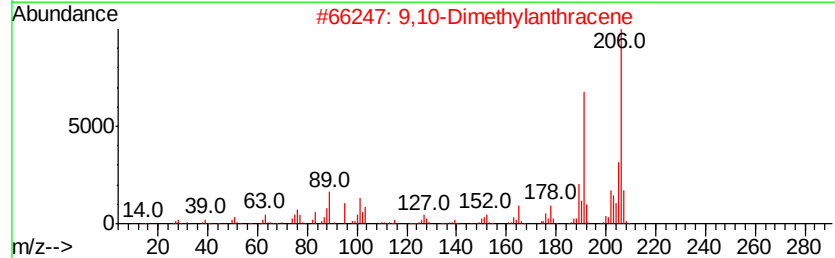
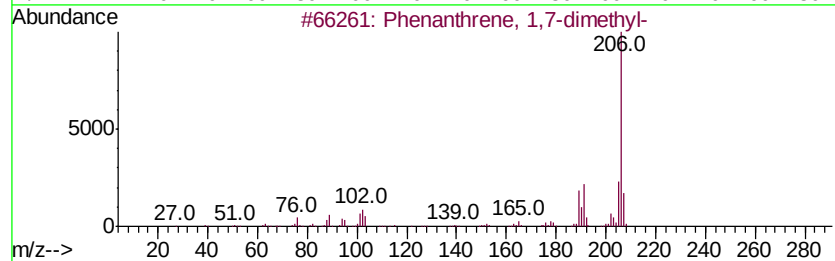
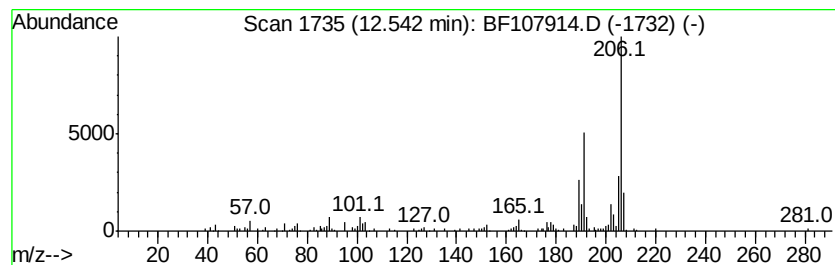
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.54	5.06 ng	164055	Phenanthrene-d10	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
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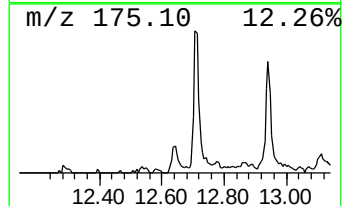
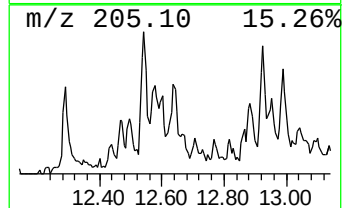
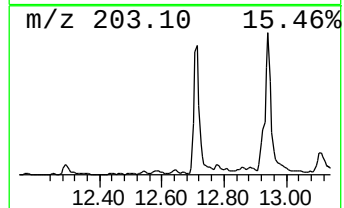
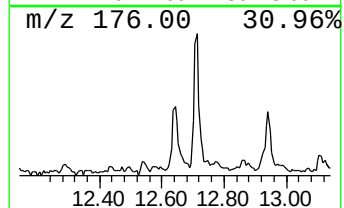
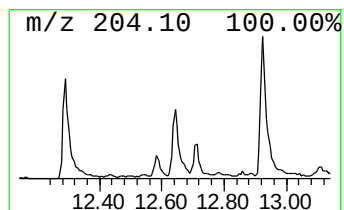
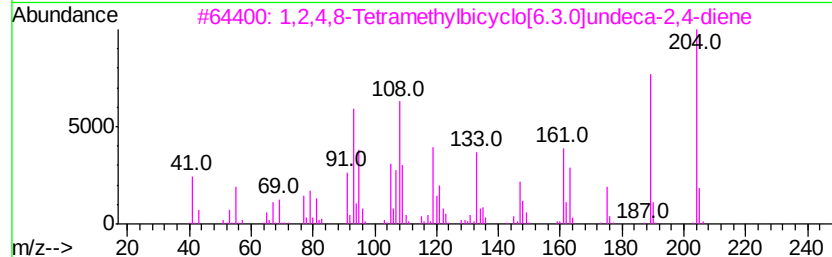
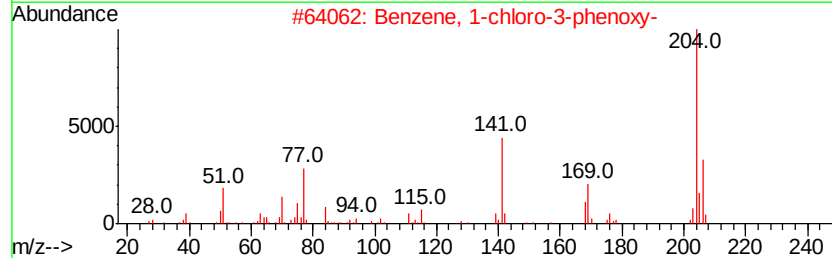
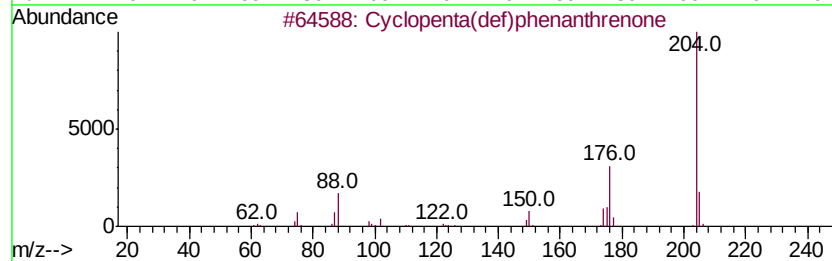
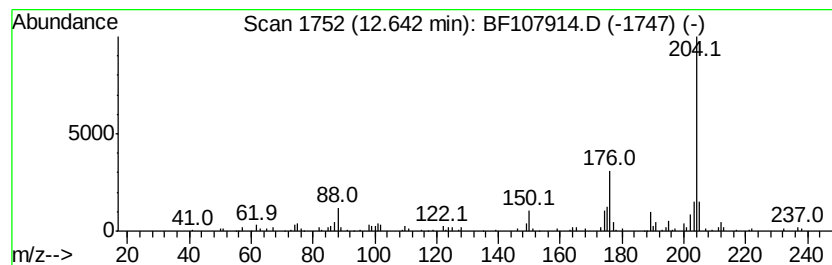
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	5.03 ng	163175	Phenanthrene-d10	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	46
4		1,2,4-Triazolo[2,3-c]thieno[3,2-b]pyridine	204	C9H8N4S	113246-88-1	43
5		.alpha.-L-Mannopyranose, 6-deoxy-	452	C18H44O5Si4	055057-21-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
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Sample : J4285-17 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

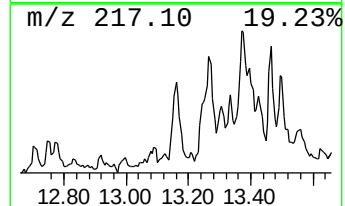
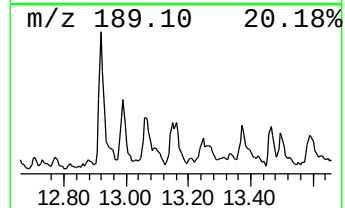
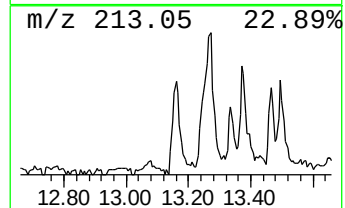
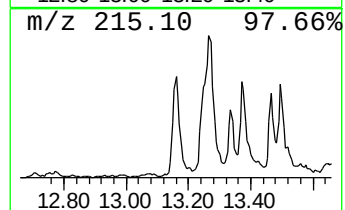
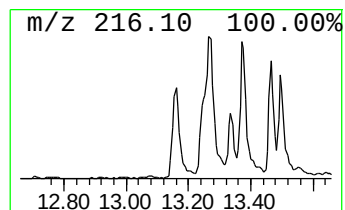
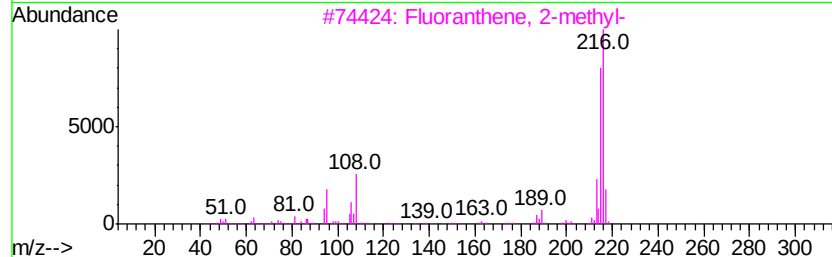
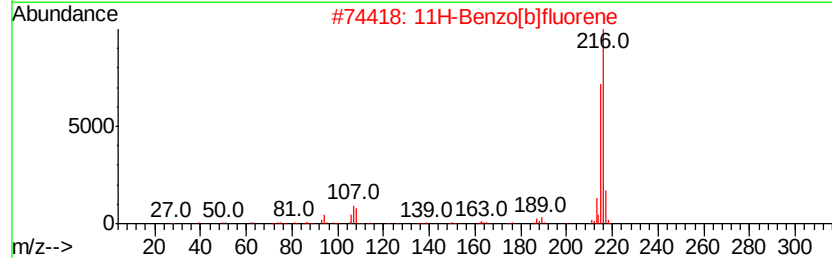
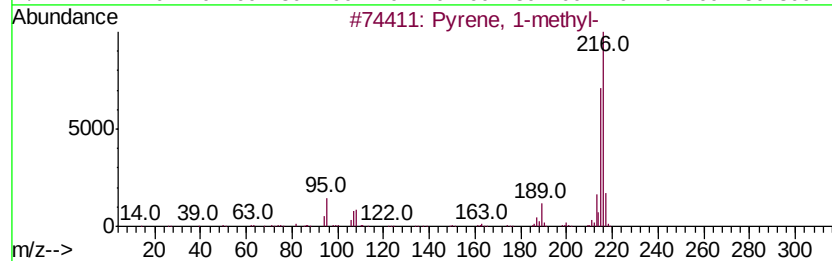
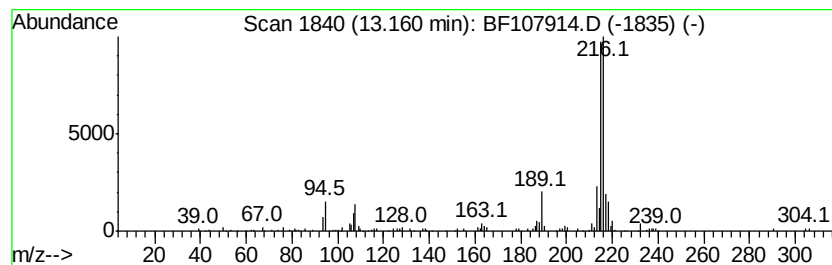
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BNA_F
ClientSampleId :
KG-PIT-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.16	2.10 ng	218861	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
Operator : JU/SJ
Sample : J4285-17 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

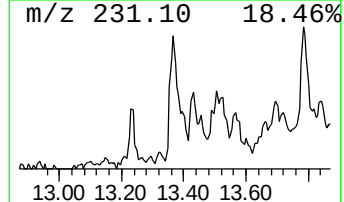
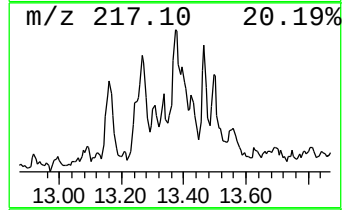
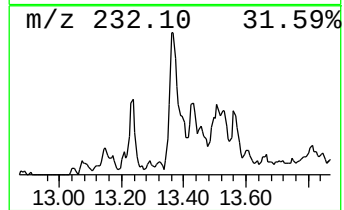
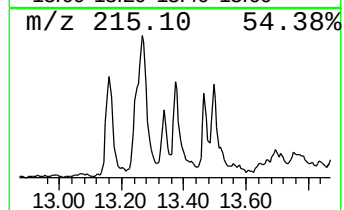
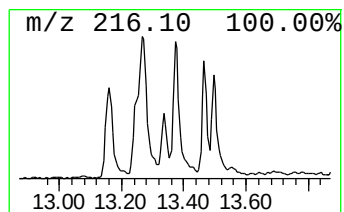
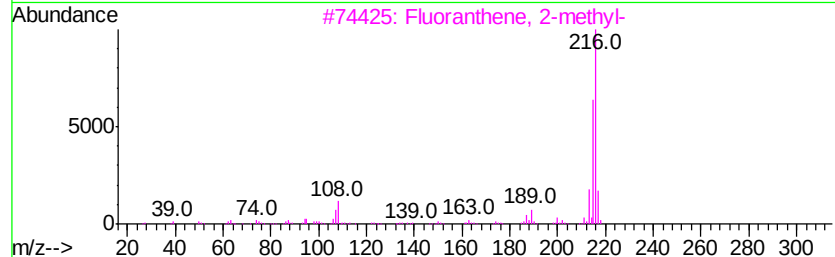
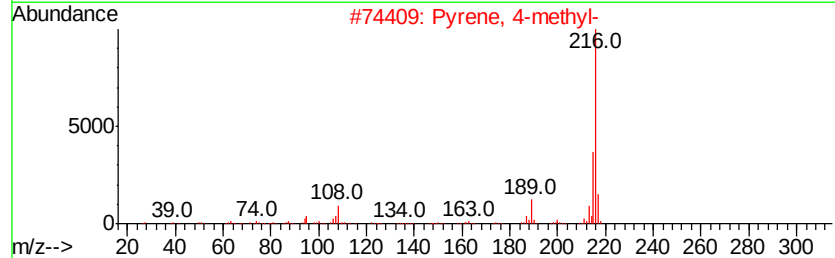
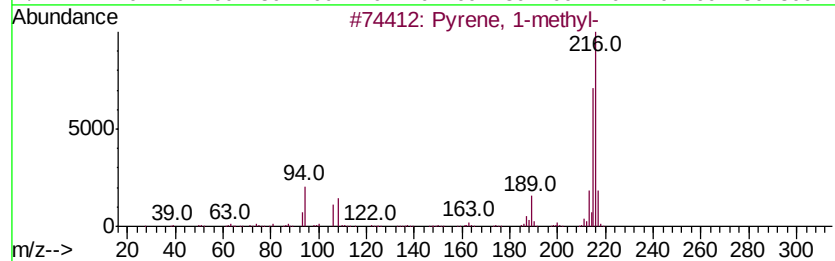
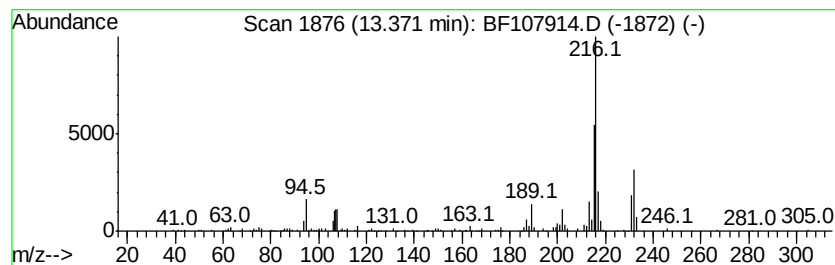
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.37 ng	246841	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
Operator : JU/SJ
Sample : J4285-17 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
KG-PIT-5

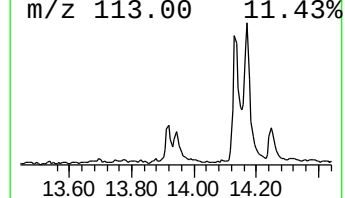
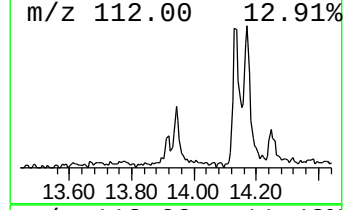
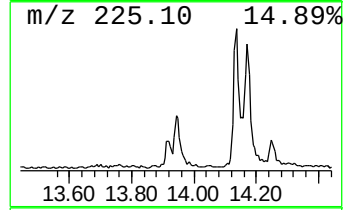
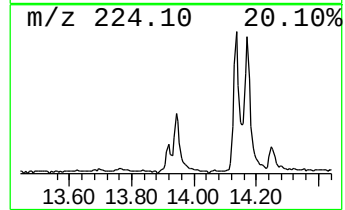
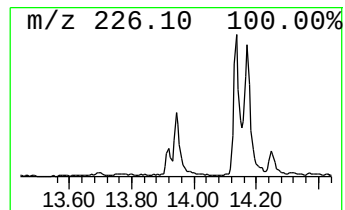
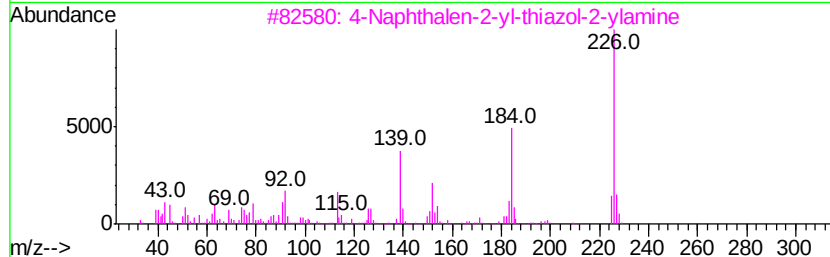
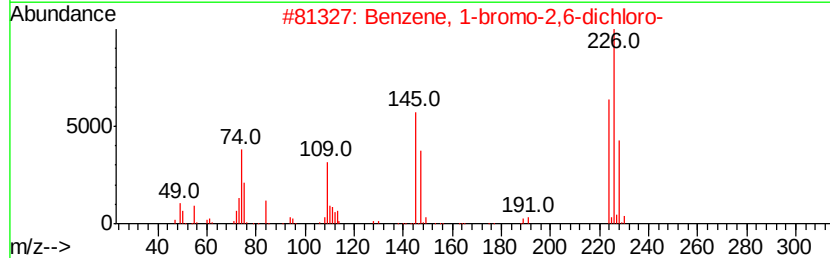
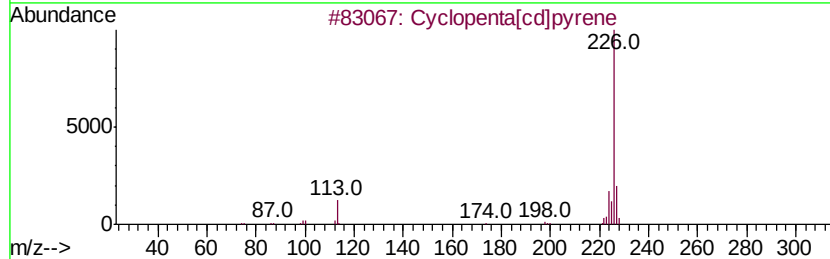
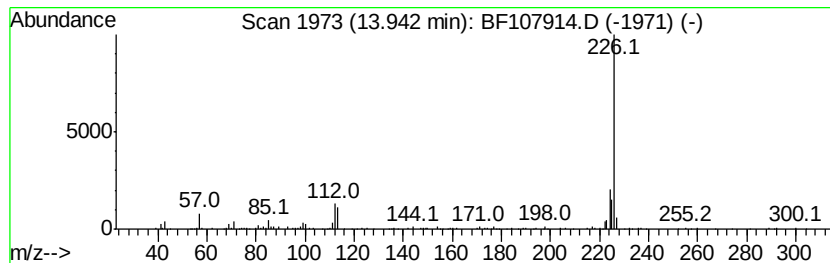
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.68 ng	279479	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2		Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	45
3		4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	33
4		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33
5		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
Operator : JU/SJ
Sample : J4285-17 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

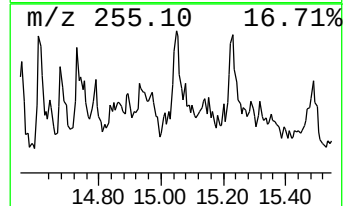
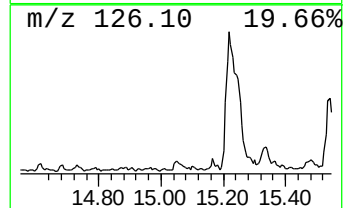
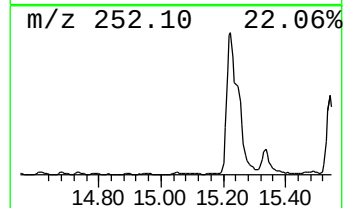
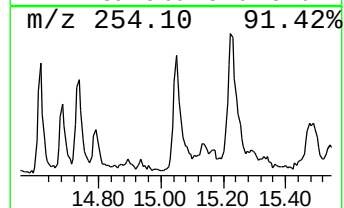
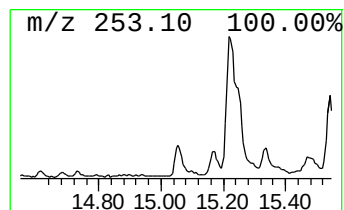
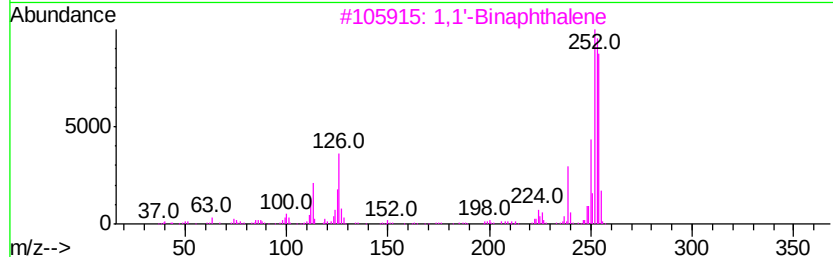
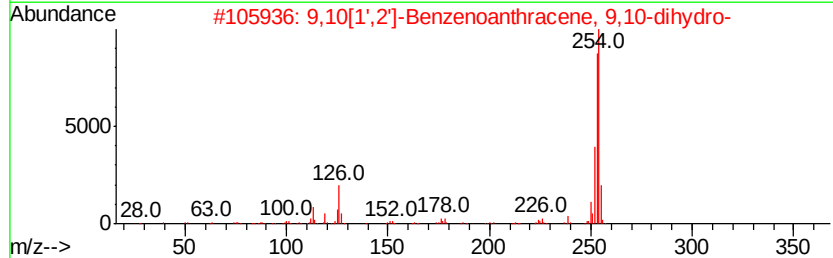
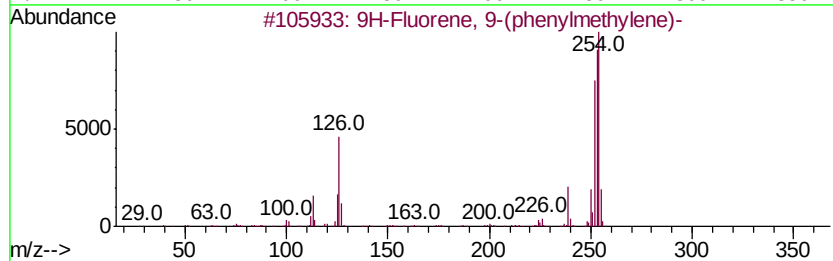
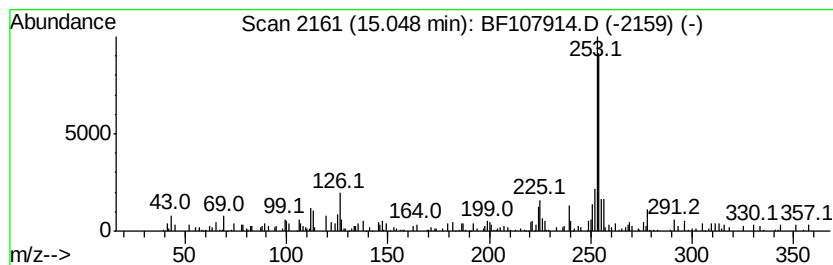
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9H-Fluorene, 9-(phenylmethy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.45 ng	80716	Perylene-d12	15.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	72
4		4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	70
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
Operator : JU/SJ
Sample : J4285-17 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
KG-PIT-5

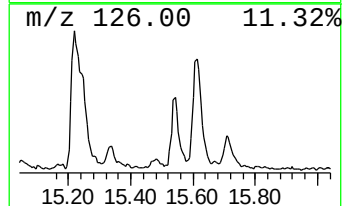
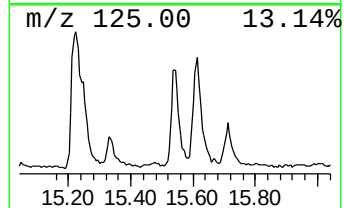
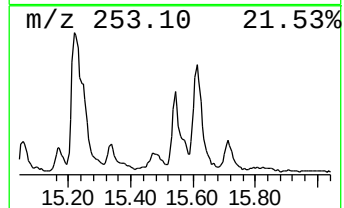
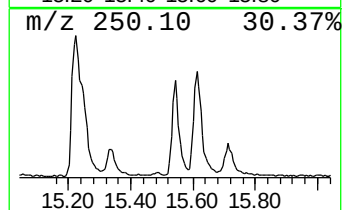
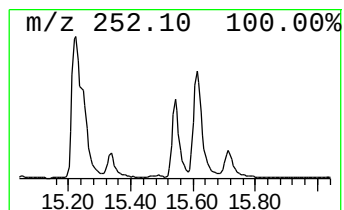
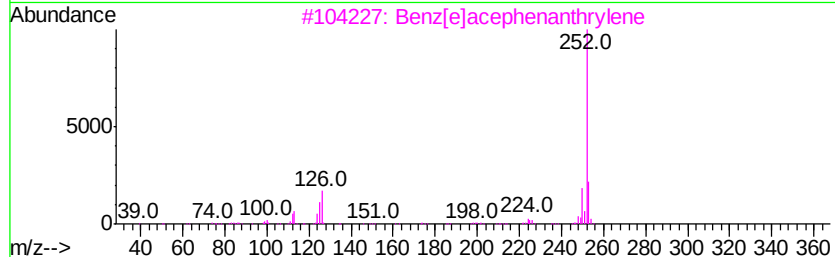
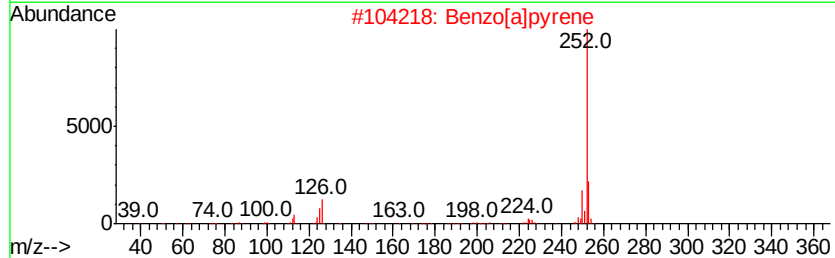
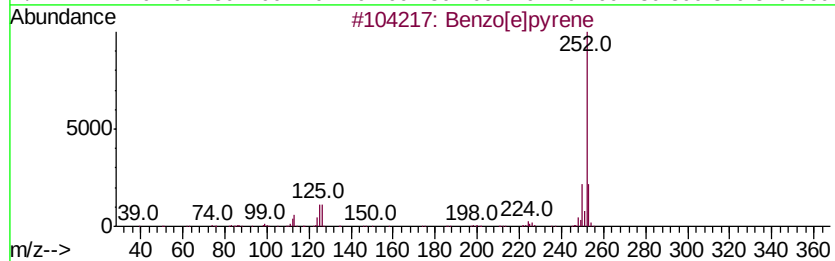
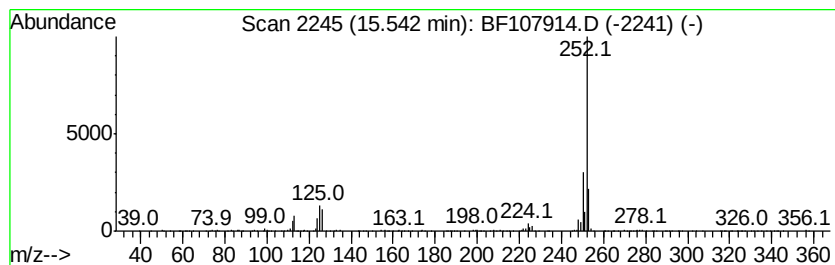
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	16.24 ng	534453	Perylene-d12	15.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[a]pyrene	252	C20H12	000050-32-8	93
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107914.D
 Acq On : 2 Aug 2018 17:28
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 Sample : J4285-17 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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
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Perimidine, 2-ethyl-	11.34	2.2	ng	71457	4	11.49	648469	20.0
Naphtho[2,1-b]thi...	11.39	2.9	ng	94726	4	11.49	648469	20.0
Phenanthrene, 2-m...	12.00	6.3	ng	205130	4	11.49	648469	20.0
Anthracene, 2-met...	12.02	6.3	ng	205589	4	11.49	648469	20.0
4H-Cyclopenta[def...	12.11	8.0	ng	259724	4	11.49	648469	20.0
Naphthalene, 2-ph...	12.29	3.8	ng	124067	4	11.49	648469	20.0
9,10-Anthracenedione	12.32	2.3	ng	73120	4	11.49	648469	20.0
Phenanthrene, 1,7...	12.54	5.1	ng	164055	4	11.49	648469	20.0
Cyclopenta(def)ph...	12.64	5.0	ng	163175	4	11.49	648469	20.0
11H-Benzo[b]fluorene	13.16	2.1	ng	218861	5	14.15	2086260	20.0
Pyrene, 1-methyl-	13.37	2.4	ng	246841	5	14.15	2086260	20.0
Cyclopenta[cd]pyrene	13.94	2.7	ng	279479	5	14.15	2086260	20.0
9H-Fluorene, 9-(p...	15.05	2.5	ng	80716	6	15.68	658036	20.0
Benzo[e]pyrene	15.54	16.2	ng	534453	6	15.68	658036	20.0