

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062118\
 Data File : BF106679.D
 Acq On : 21 Jun 2018 23:36
 Operator : JU/SJ
 Sample : J3245-09 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061918-A

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-BF061918.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	5.184	481	484	492	rBV	39384	39803	5.28%	0.375%
2	5.601	551	555	564	rBV	542831	515091	68.34%	4.848%
3	6.601	721	725	736	rBV	564803	517078	68.60%	4.866%
4	6.736	744	748	751	rBV	633899	535702	71.07%	5.042%
5	6.960	782	786	789	rBV	460416	360465	47.82%	3.392%
6	7.113	809	812	816	rBV	520291	429727	57.01%	4.044%
7	7.219	828	830	836	rBB	10566	9780	1.30%	0.092%
8	7.519	877	881	891	rBV	390796	317937	42.18%	2.992%
9	8.242	1000	1004	1021	rBV	538059	445291	59.08%	4.191%
10	9.313	1183	1186	1195	rVB	708869	589346	78.19%	5.547%
11	9.707	1250	1253	1259	rVB	62470	56483	7.49%	0.532%
12	9.860	1276	1279	1283	rBV	23929	20350	2.70%	0.192%
13	9.913	1283	1288	1292	rVB	10378	9306	1.23%	0.088%
14	10.001	1299	1303	1307	rBV	521324	439445	58.30%	4.136%
15	10.413	1366	1373	1377	rBV2	19753	22763	3.02%	0.214%
16	10.548	1393	1396	1402	rVB	12495	16219	2.15%	0.153%
17	10.630	1406	1410	1413	rVB4	7927	11693	1.55%	0.110%
18	10.795	1434	1438	1450	rVB	342943	334371	44.36%	3.147%
19	10.883	1450	1453	1457	rBV2	18188	23455	3.11%	0.221%
20	11.095	1484	1489	1492	rBV3	8371	13843	1.84%	0.130%
21	11.224	1506	1511	1513	rBV4	5488	8852	1.17%	0.083%
22	11.295	1521	1523	1526	rVB	15559	13187	1.75%	0.124%
23	11.336	1526	1530	1532	rBV	15189	13977	1.85%	0.132%
24	11.389	1537	1539	1542	rVB	13061	9543	1.27%	0.090%
25	11.495	1553	1557	1559	rBV	526784	474008	62.89%	4.461%
26	11.519	1559	1561	1565	rVV	233077	180504	23.95%	1.699%
27	11.566	1565	1569	1572	rVV	63567	57458	7.62%	0.541%
28	11.601	1572	1575	1578	rVB	8728	9180	1.22%	0.086%
29	11.724	1591	1596	1600	rBV2	31106	32314	4.29%	0.304%
30	11.760	1600	1602	1605	rVB3	10901	8452	1.12%	0.080%
31	11.824	1611	1613	1617	rVB	22258	20453	2.71%	0.192%
32	11.907	1624	1627	1632	rBV2	7611	10528	1.40%	0.099%
33	11.948	1632	1634	1639	rBV4	9329	13659	1.81%	0.129%
34	11.995	1639	1642	1644	rVV	62741	55974	7.43%	0.527%

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35	12.024	1644	1647	1650	rVB	85909	75117	9.97%	0.707%
36	12.071	1652	1655	1658	rVV	33727	30644	4.07%	0.288%
37	12.107	1658	1661	1663	rVV2	84459	93148	12.36%	0.877%
38	12.130	1663	1665	1669	rVB	53116	42195	5.60%	0.397%
39	12.171	1669	1672	1675	rBV5	16983	21234	2.82%	0.200%
40	12.224	1679	1681	1684	rVV2	10518	10873	1.44%	0.102%
41	12.289	1689	1692	1694	rBV	48272	39452	5.23%	0.371%
42	12.318	1694	1697	1701	rVB	43680	37030	4.91%	0.349%
43	12.366	1703	1705	1708	rBV3	6150	8312	1.10%	0.078%
44	12.418	1712	1714	1716	rBV2	15490	17061	2.26%	0.161%
45	12.436	1716	1717	1720	rVB2	19322	12789	1.70%	0.120%
46	12.471	1720	1723	1725	rBV	29692	23607	3.13%	0.222%
47	12.495	1725	1727	1729	rVB2	25014	17398	2.31%	0.164%
48	12.542	1732	1735	1739	rBV	65753	89814	11.92%	0.845%
49	12.583	1739	1742	1744	rVV2	26478	29604	3.93%	0.279%
50	12.636	1748	1751	1754	rBV	61745	68627	9.11%	0.646%
51	12.713	1760	1764	1767	rBV	644201	562887	74.68%	5.298%
52	12.748	1767	1770	1772	rVV3	23866	21037	2.79%	0.198%
53	12.771	1772	1774	1777	rVB	25560	17843	2.37%	0.168%
54	12.807	1777	1780	1782	rBV	21971	18949	2.51%	0.178%
55	12.836	1783	1785	1787	rBV2	12247	13923	1.85%	0.131%
56	12.866	1787	1790	1792	rVV	29057	30916	4.10%	0.291%
57	12.883	1792	1793	1796	rVB2	23273	14054	1.86%	0.132%
58	12.942	1800	1803	1808	rVB	617750	574647	76.24%	5.408%
59	12.989	1808	1811	1814	rBV	44861	46587	6.18%	0.438%
60	13.077	1818	1826	1828	rBV	786362	726259	96.36%	6.835%
61	13.095	1828	1829	1833	rVB2	40824	36287	4.81%	0.342%
62	13.154	1836	1839	1844	rBV3	43362	76323	10.13%	0.718%
63	13.265	1851	1858	1861	rBV2	80500	141086	18.72%	1.328%
64	13.371	1872	1876	1879	rBV2	86163	105348	13.98%	0.991%
65	13.465	1890	1892	1894	rBV	56620	52060	6.91%	0.490%
66	13.489	1894	1896	1900	rVB2	139910	141680	18.80%	1.333%
67	13.777	1943	1945	1949	rVB	81958	74784	9.92%	0.704%
68	13.918	1967	1969	1971	rBV	40678	29486	3.91%	0.278%
69	13.989	1979	1981	1984	rVB	63824	53336	7.08%	0.502%
70	14.148	2003	2008	2010	rBV2	566609	753727	100.00%	7.094%
71	14.171	2010	2012	2019	rVB	259718	231766	30.75%	2.181%

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72	15.230	2189	2192	2195	rBV2	130646	176271	23.39%	1.659%
73	15.618	2255	2258	2264	rBV	131934	169088	22.43%	1.591%
74	15.689	2266	2270	2274	rVB	241959	323925	42.98%	3.049%

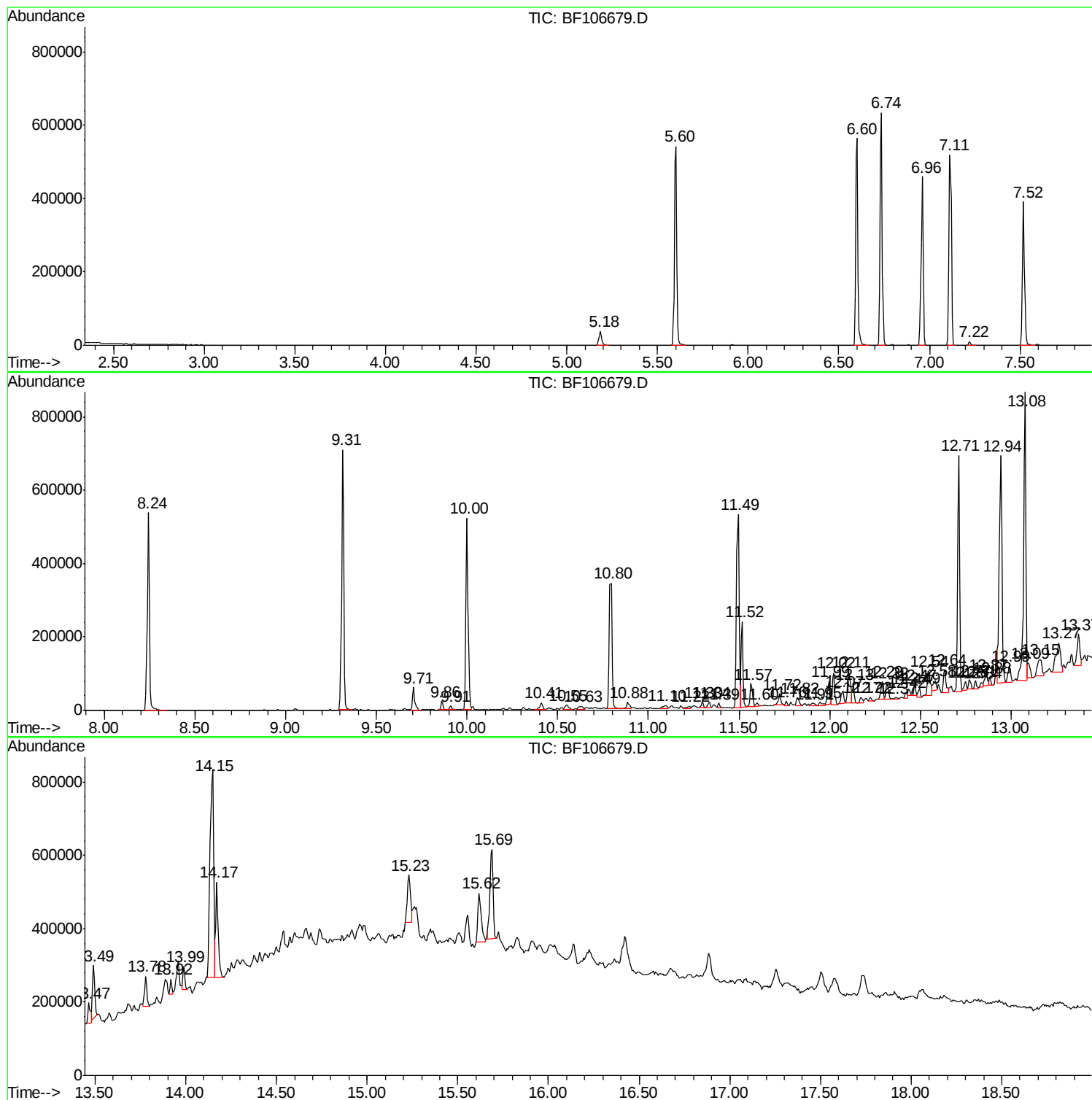
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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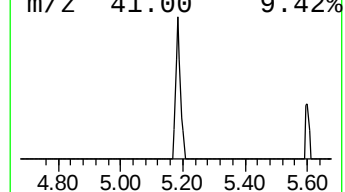
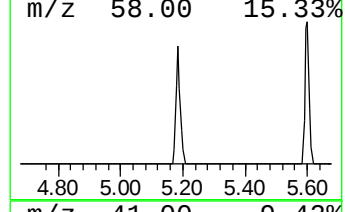
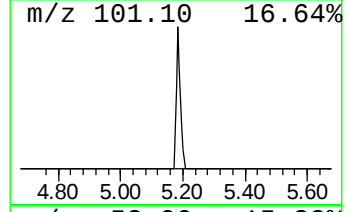
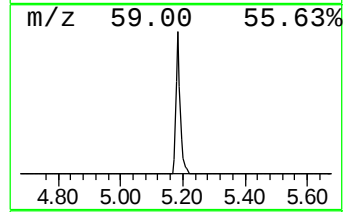
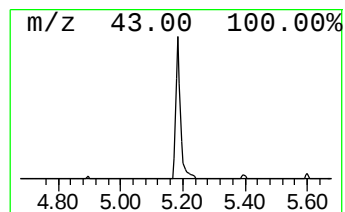
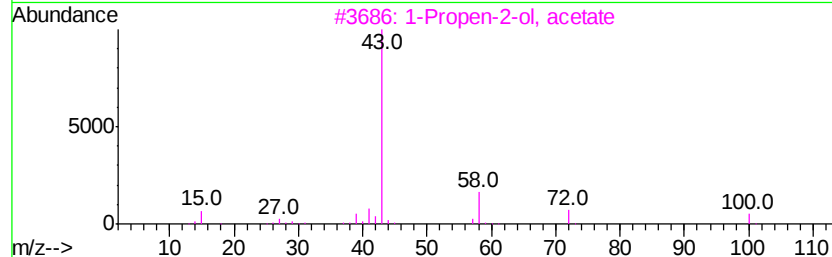
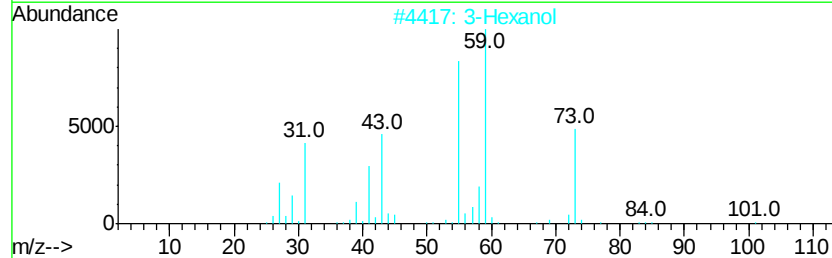
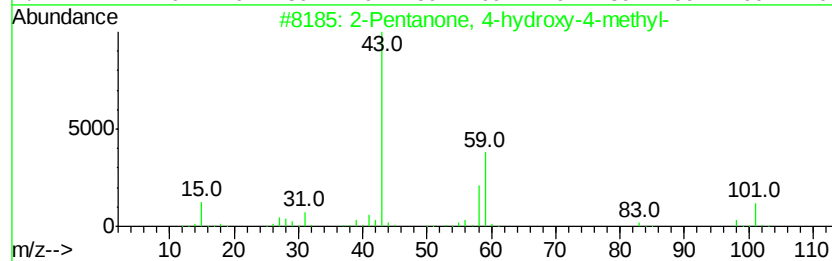
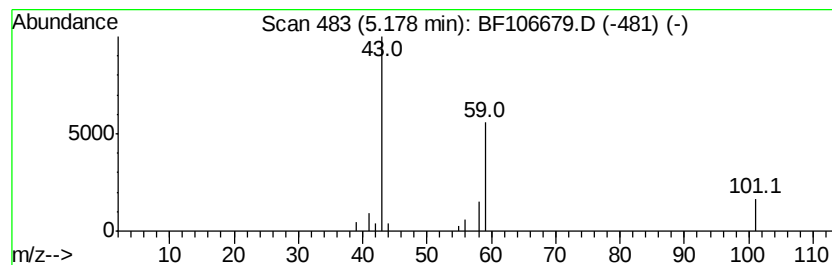
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.18	2.21 ng	39803	1,4-Dichlorobenzene-d4	6.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol	102	C6H14O	000623-37-0	9
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	7



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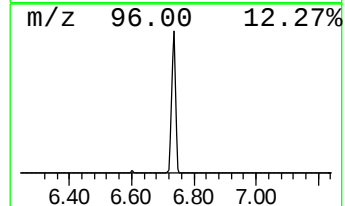
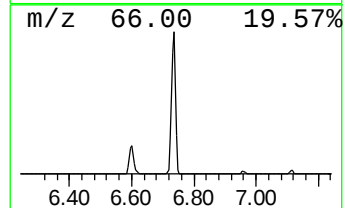
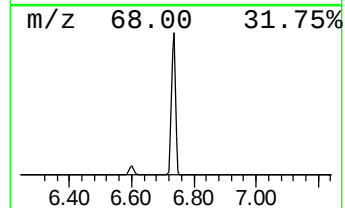
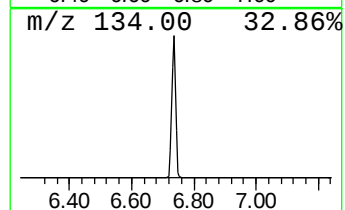
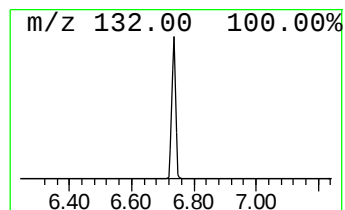
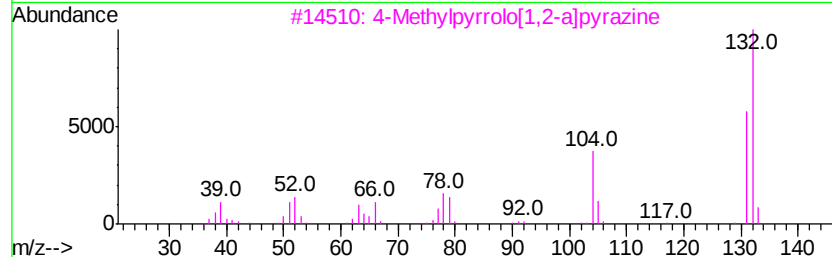
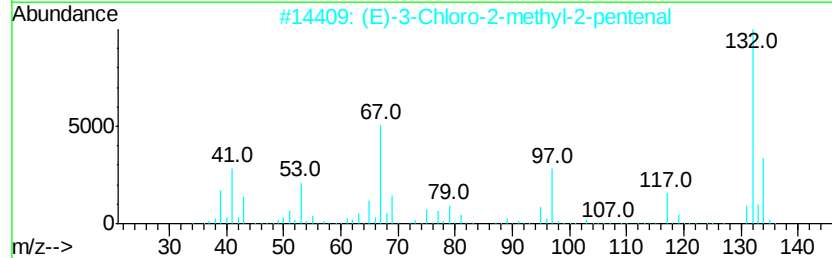
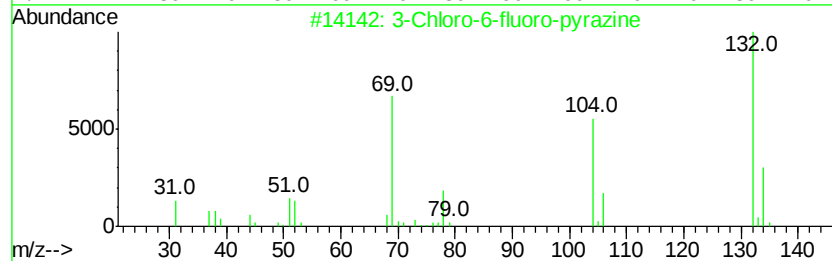
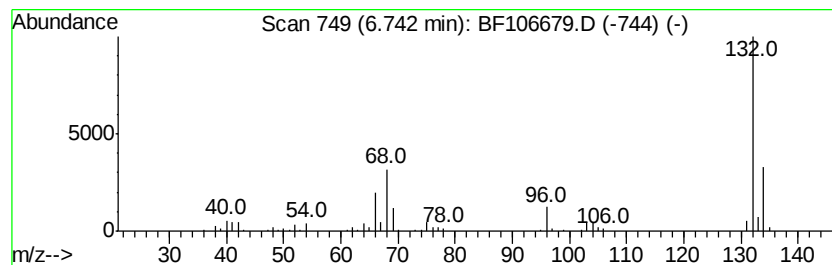
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	29.72 ng	535702	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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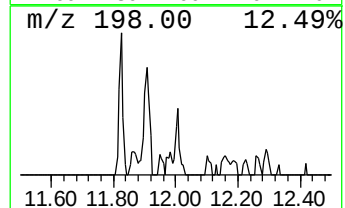
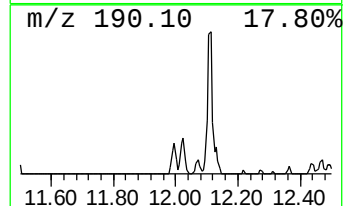
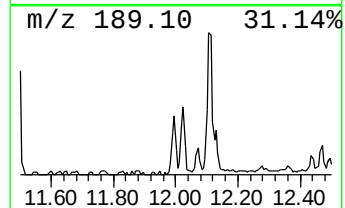
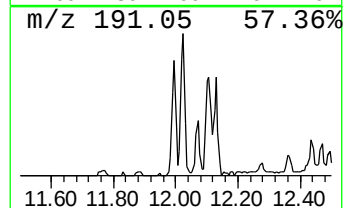
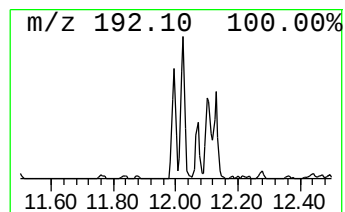
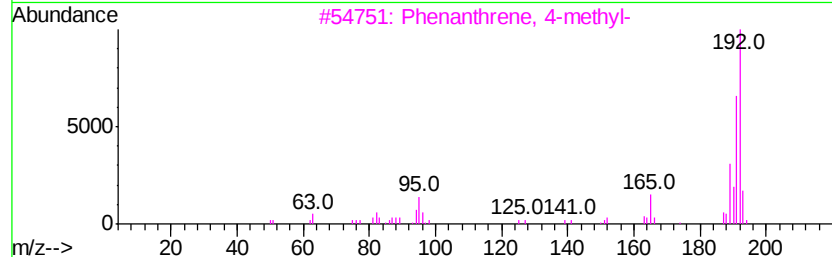
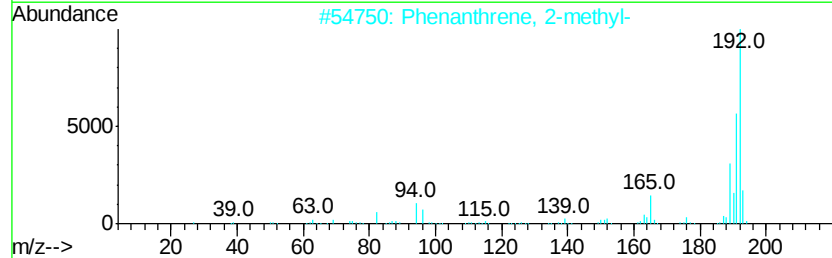
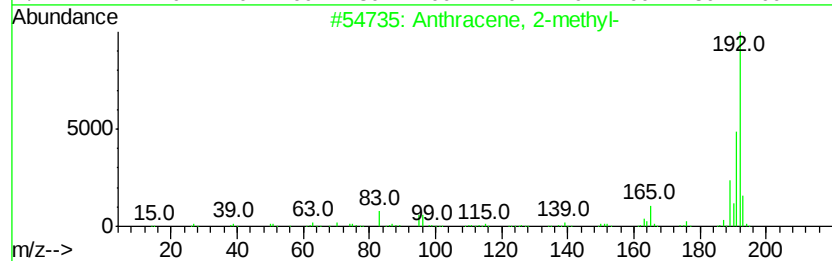
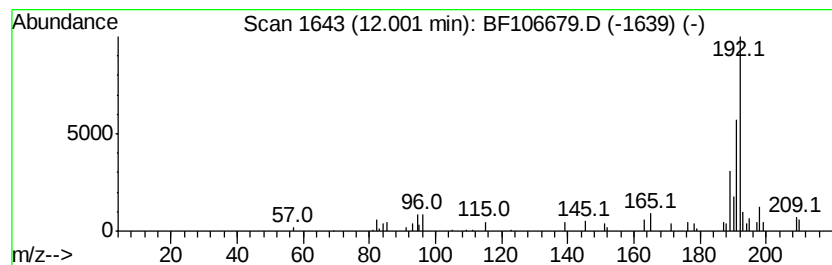
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.36 ng	55974	Phenanthrene-d10	11.49

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		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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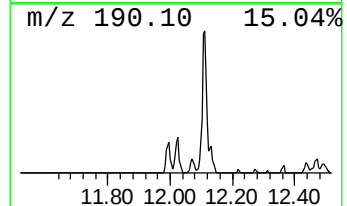
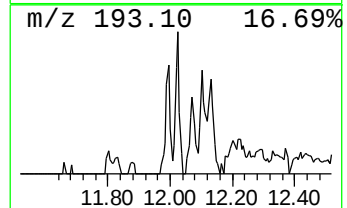
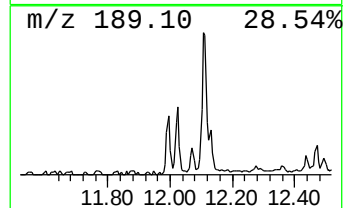
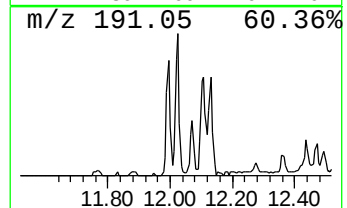
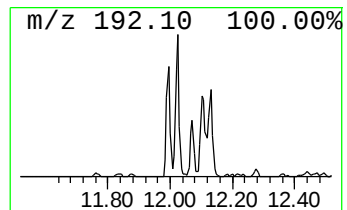
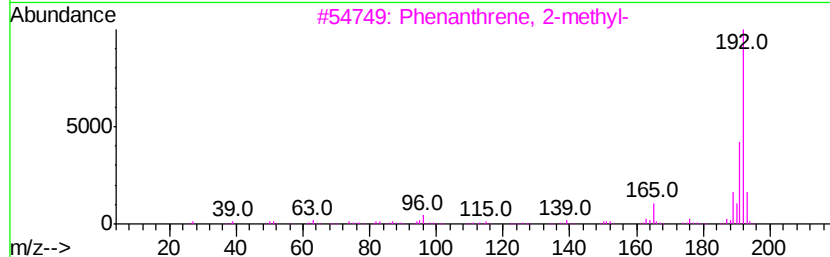
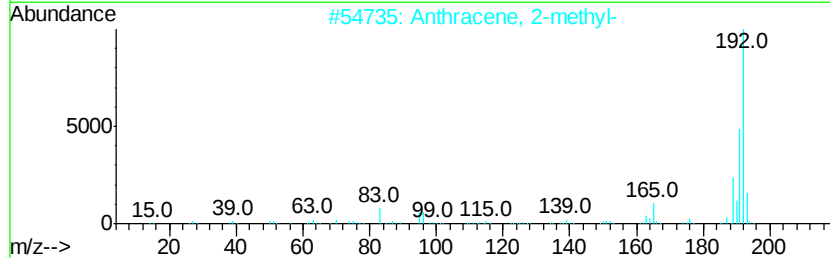
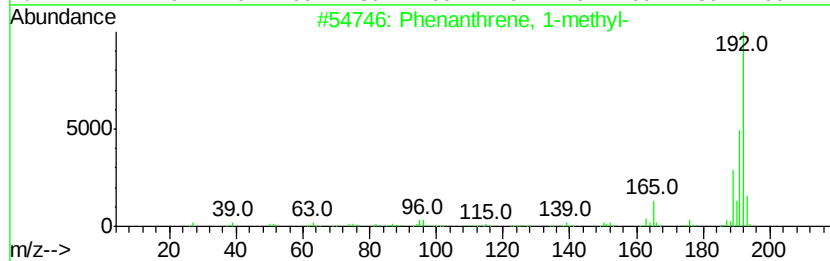
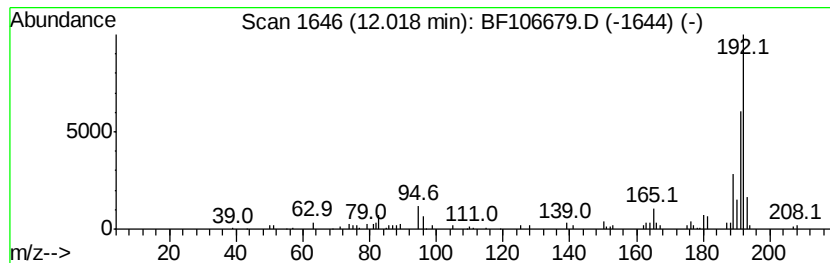
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.17 ng	75117	Phenanthrene-d10	11.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106679.D
Acq On : 21 Jun 2018 23:36
Operator : JU/SJ
Sample : J3245-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

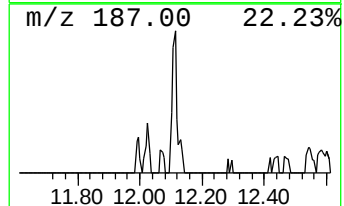
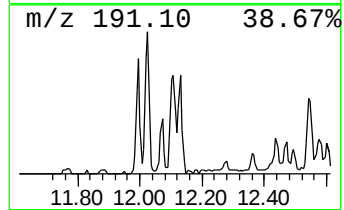
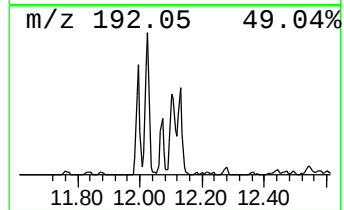
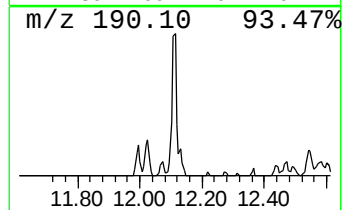
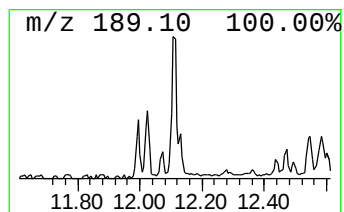
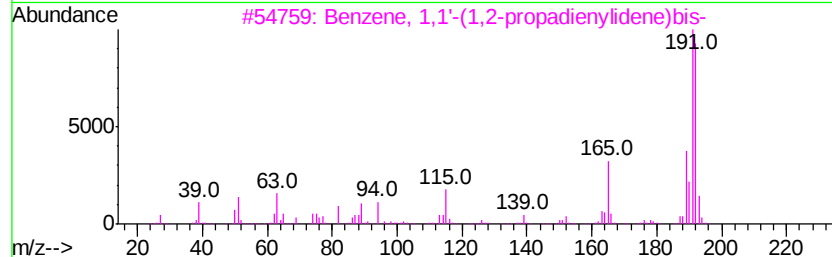
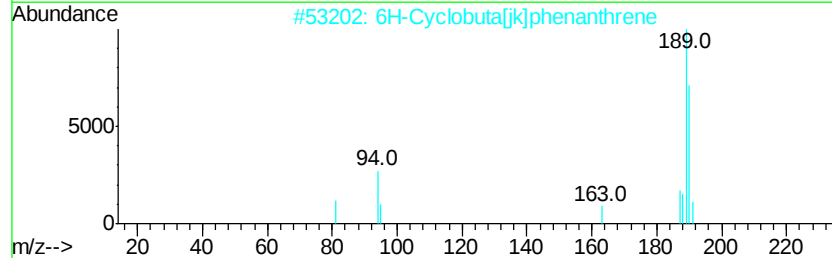
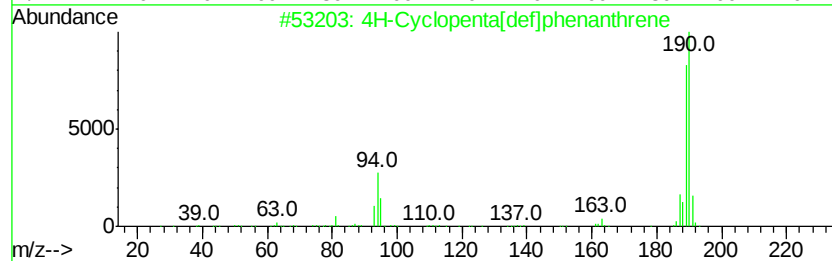
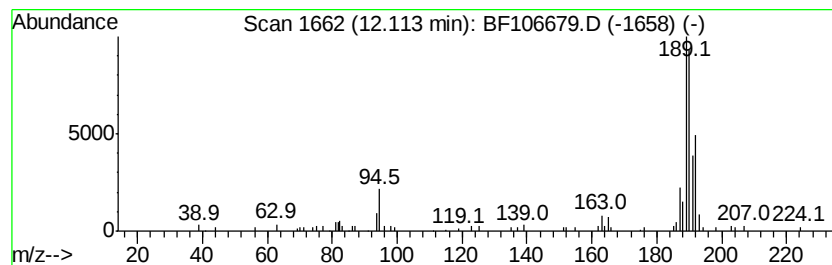
Instrument :
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ClientSampleId :
CL-02-061918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.11	3.93 ng	93148	Phenanthrene-d10	11.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	49
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106679.D
Acq On : 21 Jun 2018 23:36
Operator : JU/SJ
Sample : J3245-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

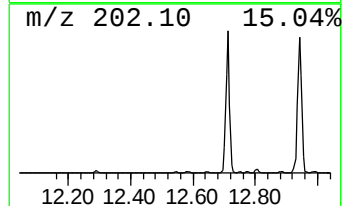
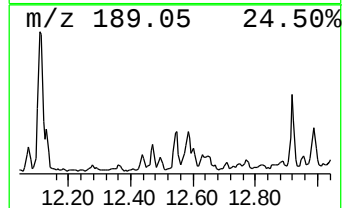
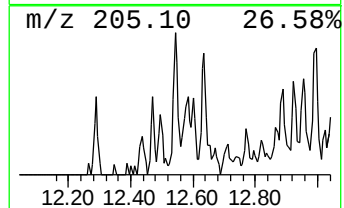
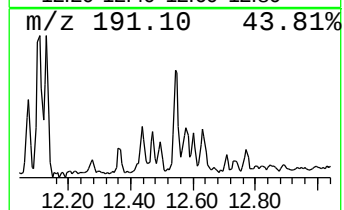
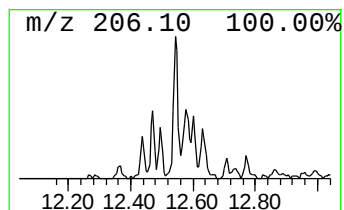
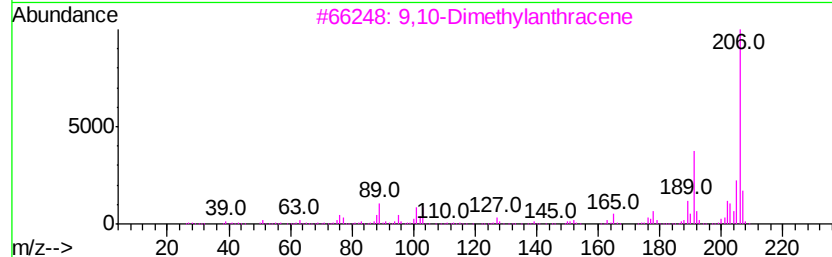
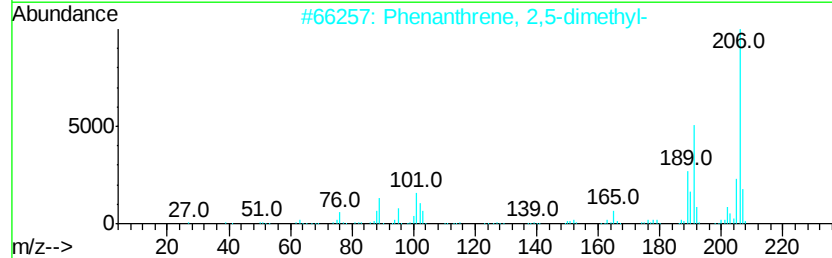
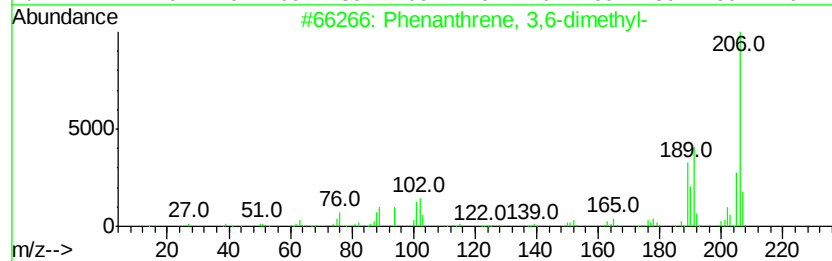
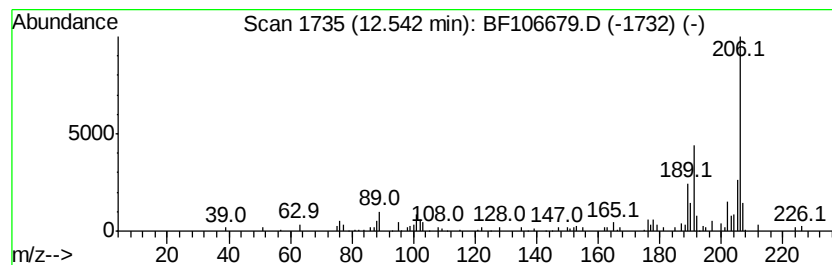
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ClientSampleId :
CL-02-061918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.54	3.79 ng	89814	Phenanthrene-d10		11.49
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	80
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106679.D
Acq On : 21 Jun 2018 23:36
Operator : JU/SJ
Sample : J3245-09 2X
Misc :
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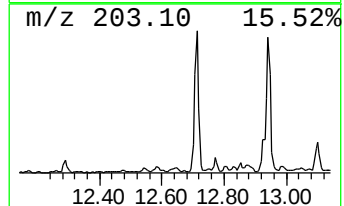
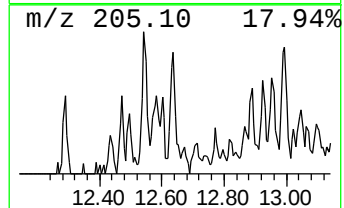
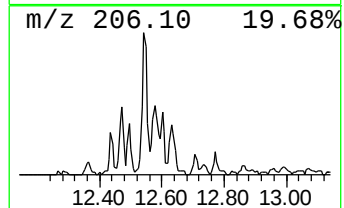
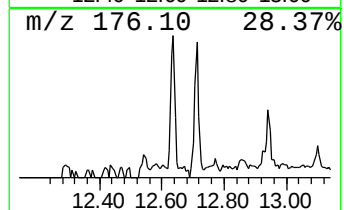
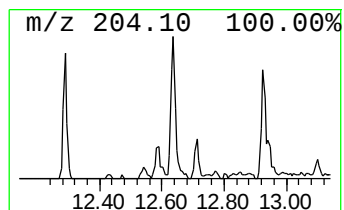
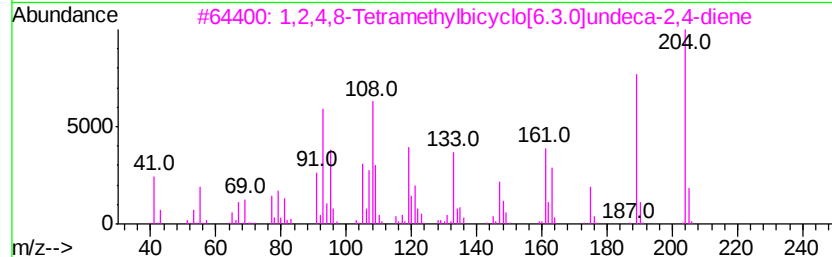
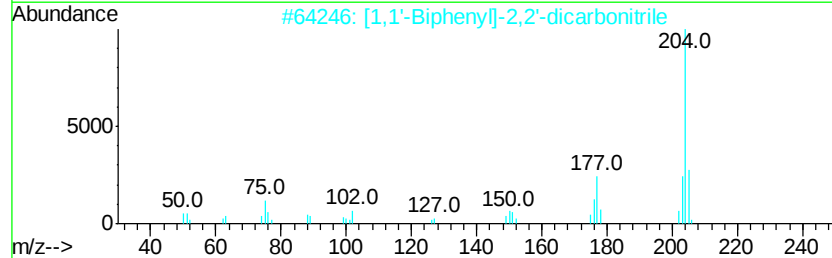
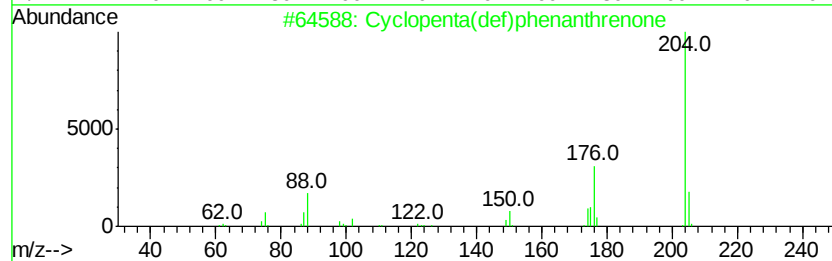
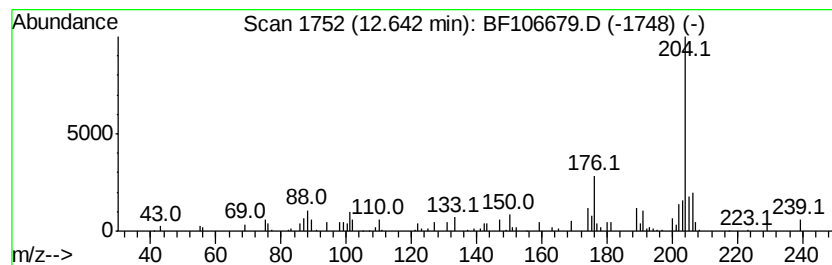
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.64	2.90 ng	68627	Phenanthrene-d10		11.49		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5			2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106679.D
Acq On : 21 Jun 2018 23:36
Operator : JU/SJ
Sample : J3245-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

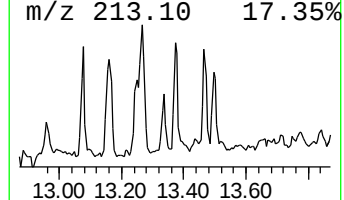
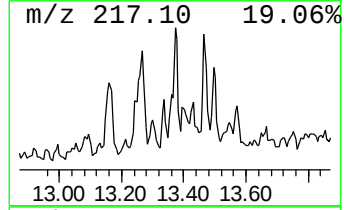
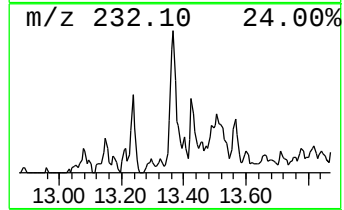
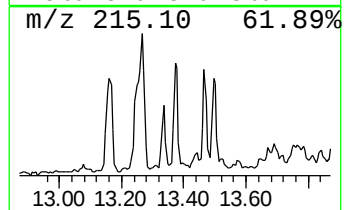
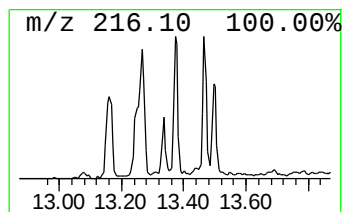
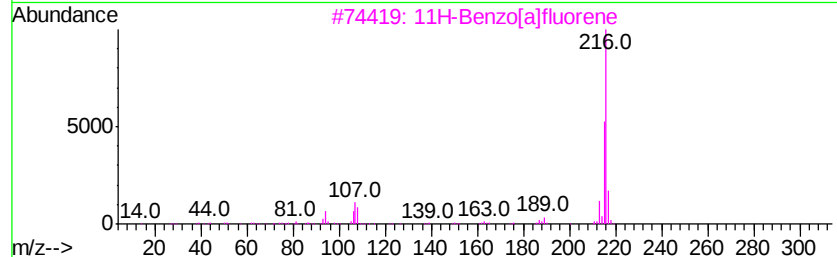
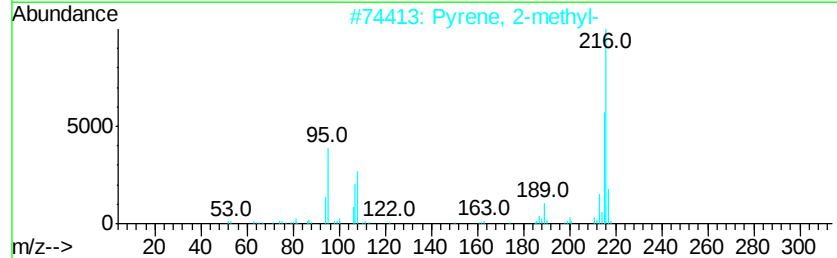
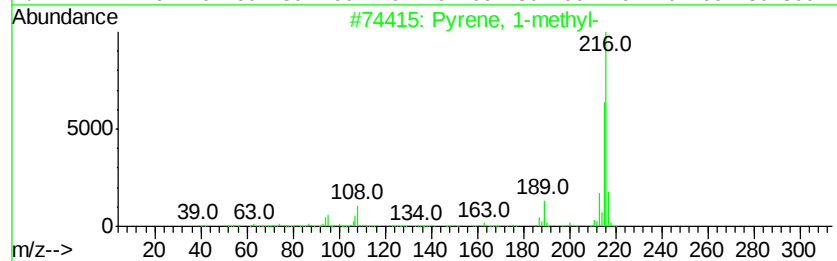
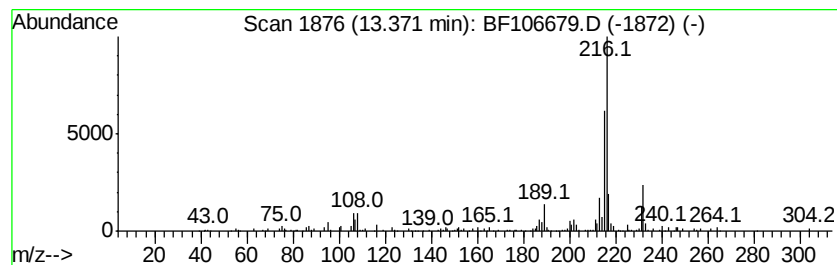
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.80 ng	105348	Chrysene-d12	14.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 96
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 81
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 76
5		Pyrene, 4-methyl-	216 C17H12	003353-12-6 70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106679.D
Acq On : 21 Jun 2018 23:36
Operator : JU/SJ
Sample : J3245-09 2X
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-061918-A

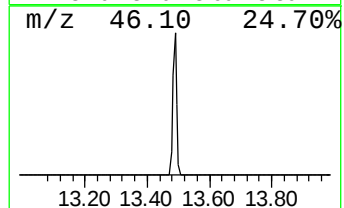
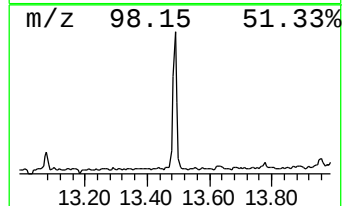
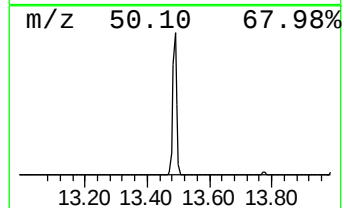
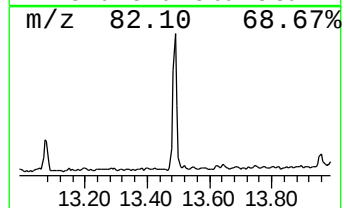
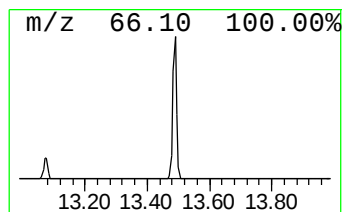
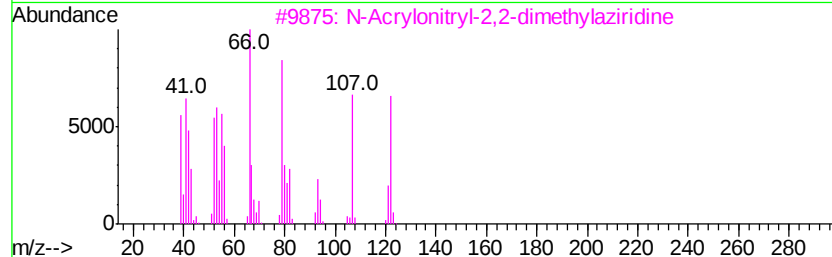
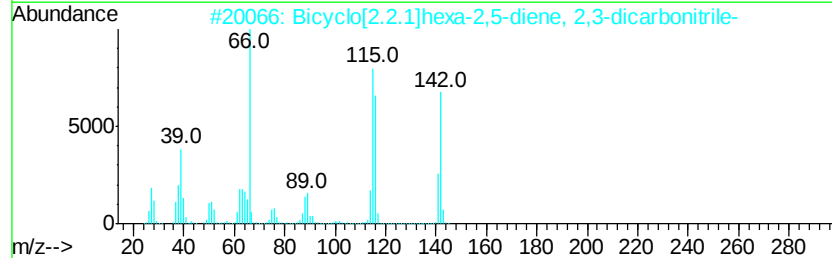
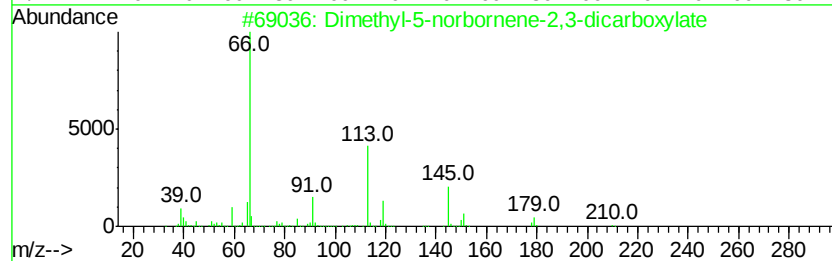
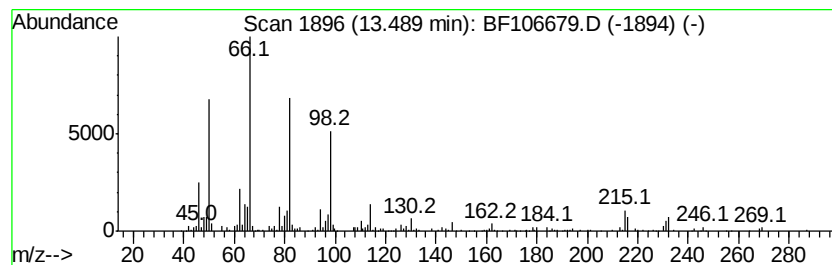
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown13.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	3.76 ng	141680	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl-5-norbornene-2,3-dicarb...	210	C11H14O4	005826-73-3	38
2		Bicyclo[2.2.1]hexa-2,5-diene, 2,...	142	C9H6N2	000825-24-1	37
3		N-Acrylonitril-2,2-dimethylaziri...	122	C7H10N2	077376-91-1	35
4		4-Oxotricyclo[5.2.1.0(2,6)]dec-8...	173	C11H11NO	1000187-81-9	25
5		4-Hydroxy-4-azatricyclo[5.2.1.0(...	179	C9H9NO3	1000210-21-2	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062118\
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Misc :
ALS Vial : 15 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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown6.74	6.74	29.7	ng	535702	1	6.96	360465	20.0
Anthracene, 2-met...	12.00	2.4	ng	55974	4	11.49	474008	20.0
Phenanthrene, 1-m...	12.02	3.2	ng	75117	4	11.49	474008	20.0
4H-Cyclopenta[def...	12.11	3.9	ng	93148	4	11.49	474008	20.0
Phenanthrene, 3,6...	12.54	3.8	ng	89814	4	11.49	474008	20.0
Cyclopenta(def)ph...	12.64	2.9	ng	68627	4	11.49	474008	20.0
Pyrene, 1-methyl-	13.37	2.8	ng	105348	5	14.15	753727	20.0
unknown13.49	13.49	3.8	ng	141680	5	14.15	753727	20.0