

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107670.D
 Acq On : 25 Jul 2018 21:11
 Operator : JU/SJ
 Sample : J4031-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-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-BF072018.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	5.190	482	485	496	rBV	233660	291176	7.21%	0.589%
2	5.595	550	554	580	rBV	1180433	1715998	42.47%	3.473%
3	6.595	721	724	744	rBV	1154603	1797090	44.48%	3.637%
4	6.737	744	748	763	rVV	1666939	1879774	46.52%	3.804%
5	6.966	784	787	810	rBV	980093	1210547	29.96%	2.450%
6	7.119	810	813	827	rBV	1351173	1484490	36.74%	3.004%
7	7.531	879	883	893	rBV	768904	1036978	25.66%	2.098%
8	8.248	1001	1005	1017	rBV	1393211	1585736	39.24%	3.209%
9	8.966	1123	1127	1131	rBV	52136	63471	1.57%	0.128%
10	9.060	1140	1143	1149	rVB	51824	54155	1.34%	0.110%
11	9.319	1184	1187	1197	rBV	1897452	1898820	46.99%	3.843%
12	9.595	1230	1234	1237	rBV2	29912	41129	1.02%	0.083%
13	9.666	1242	1246	1248	rBV	49653	56532	1.40%	0.114%
14	9.713	1251	1254	1263	rVB	163801	172368	4.27%	0.349%
15	9.872	1277	1281	1286	rBV	196052	200955	4.97%	0.407%
16	10.007	1301	1304	1308	rBV2	1428888	1345503	33.30%	2.723%
17	10.042	1308	1310	1318	rVB	290489	265731	6.58%	0.538%
18	10.213	1334	1339	1342	rVV2	84979	109764	2.72%	0.222%
19	10.325	1353	1358	1361	rBV3	33632	48607	1.20%	0.098%
20	10.419	1369	1374	1379	rBV3	40668	58113	1.44%	0.118%
21	10.560	1394	1398	1404	rBV	237850	241839	5.99%	0.489%
22	10.619	1404	1408	1410	rBV2	64479	74089	1.83%	0.150%
23	10.713	1422	1424	1427	rVB	53070	48182	1.19%	0.098%
24	10.801	1435	1439	1452	rBV	976571	1108939	27.44%	2.244%
25	10.901	1452	1456	1458	rBV4	36121	57029	1.41%	0.115%
26	11.107	1485	1491	1494	rBV2	72900	109928	2.72%	0.222%
27	11.254	1514	1516	1521	rVB3	38575	47870	1.18%	0.097%
28	11.307	1522	1525	1528	rBV	49152	51776	1.28%	0.105%
29	11.342	1528	1531	1535	rVV3	64184	75284	1.86%	0.152%
30	11.401	1538	1541	1546	rVV	120484	111708	2.76%	0.226%
31	11.507	1555	1559	1560	rBV	1233402	1151339	28.49%	2.330%
32	11.530	1560	1563	1568	rVV	2256977	2170905	53.73%	4.393%
33	11.583	1568	1572	1576	rVV	546771	585986	14.50%	1.186%
34	11.742	1593	1599	1602	rBV2	160329	237693	5.88%	0.481%

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 ClientSampleId :
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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-BF072018.M

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35	11.795	1606	1608	1610	rVV	62769	49797	1.23%	0.101%
36	11.836	1612	1615	1619	rVV3	48847	54402	1.35%	0.110%
37	12.007	1640	1644	1646	rBV	372120	368044	9.11%	0.745%
38	12.036	1646	1649	1654	rVB	324905	316173	7.82%	0.640%
39	12.083	1654	1657	1660	rBV	151659	129689	3.21%	0.262%
40	12.119	1660	1663	1666	rBV2	527930	628651	15.56%	1.272%
41	12.301	1691	1694	1697	rBV	195993	191416	4.74%	0.387%
42	12.330	1697	1699	1705	rVB	132004	137481	3.40%	0.278%
43	12.554	1734	1737	1740	rBV	170461	206770	5.12%	0.418%
44	12.648	1750	1753	1757	rBV3	114402	140695	3.48%	0.285%
45	12.730	1762	1767	1774	rBV	3199686	3772417	93.36%	7.634%
46	12.783	1774	1776	1778	rBV	61423	61815	1.53%	0.125%
47	12.877	1790	1792	1794	rBV	100488	83384	2.06%	0.169%
48	12.960	1799	1806	1811	rBV	3255932	4040622	100.00%	8.177%
49	13.001	1811	1813	1818	rVB2	161503	161831	4.01%	0.327%
50	13.089	1823	1828	1831	rBV2	1464204	1532023	37.92%	3.100%
51	13.166	1838	1841	1846	rBV2	199721	334003	8.27%	0.676%
52	13.283	1853	1861	1865	rBV2	585723	933867	23.11%	1.890%
53	13.348	1869	1872	1875	rBV	505454	447168	11.07%	0.905%
54	13.389	1876	1879	1881	rVB2	205874	208144	5.15%	0.421%
55	13.483	1892	1895	1897	rBV	167840	150553	3.73%	0.305%
56	13.513	1897	1900	1906	rVB2	198229	210525	5.21%	0.426%
57	13.795	1945	1948	1952	rVB	218325	247030	6.11%	0.500%
58	13.907	1964	1967	1969	rBV2	285493	274381	6.79%	0.555%
59	13.930	1969	1971	1973	rVV	257380	197239	4.88%	0.399%
60	13.971	1973	1978	1981	rVV2	291642	443077	10.97%	0.897%
61	14.107	1999	2001	2003	rBV	239153	207286	5.13%	0.419%
62	14.154	2005	2009	2012	rVV2	2082972	3226682	79.86%	6.530%
63	14.183	2012	2014	2021	rVB	1595198	1808375	44.75%	3.659%
64	14.265	2025	2028	2030	rBV	373448	331484	8.20%	0.671%
65	15.242	2189	2194	2197	rBV	1217054	2011070	49.77%	4.070%
66	15.354	2210	2213	2218	rVB	273758	306401	7.58%	0.620%
67	15.565	2245	2249	2256	rVB	728420	1026300	25.40%	2.077%
68	15.636	2256	2261	2265	rBV	1086795	1470537	36.39%	2.976%
69	15.701	2268	2272	2275	rVB	445753	566908	14.03%	1.147%
70	17.283	2535	2541	2551	rVB2	428653	1016600	25.16%	2.057%
71	17.759	2618	2622	2635	rVB	306189	733886	18.16%	1.485%

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ClientSampleId :
PLANTER-DOC-5

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

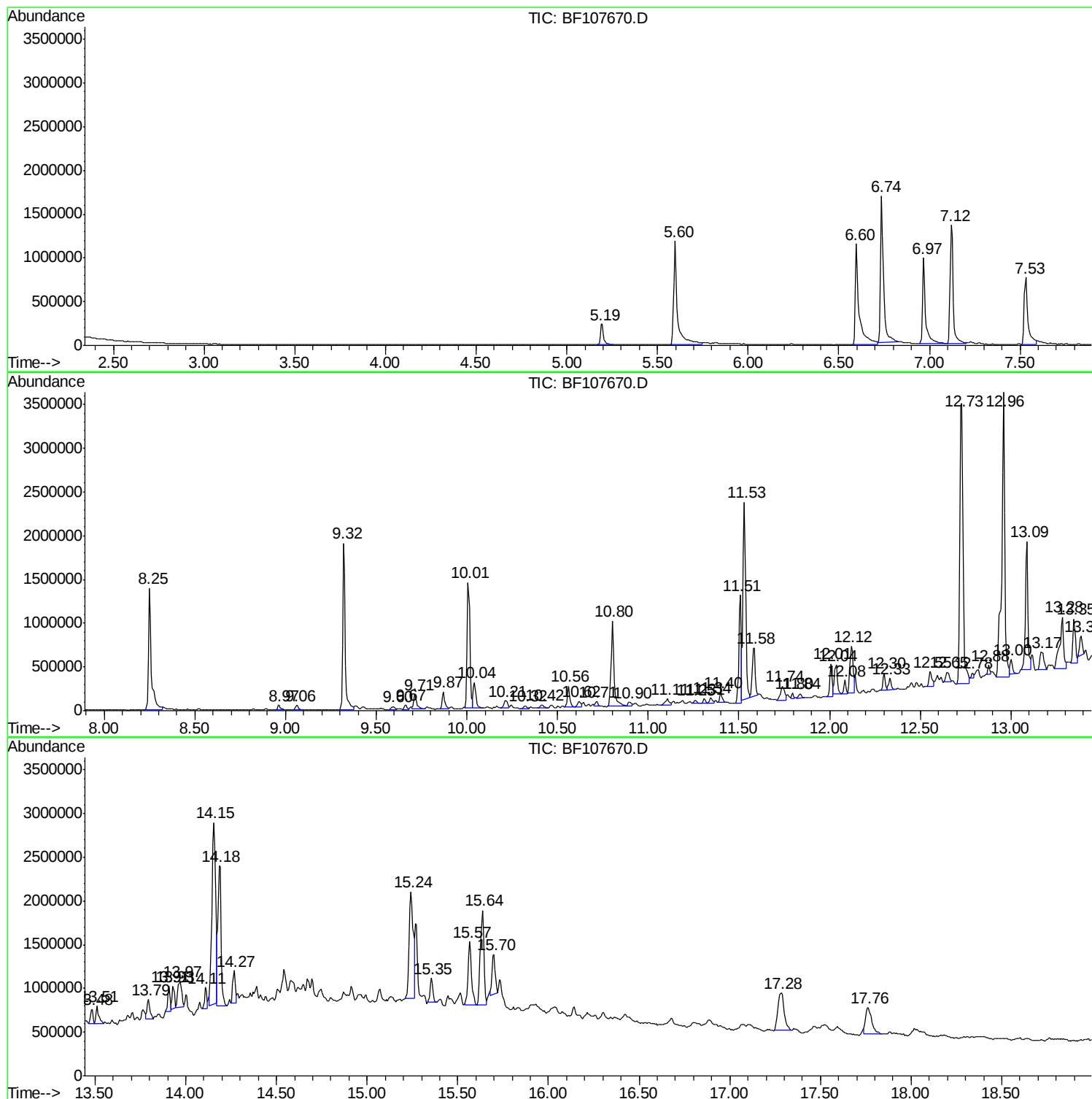
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Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.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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Data File : BF107670.D
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Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

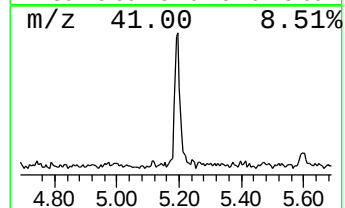
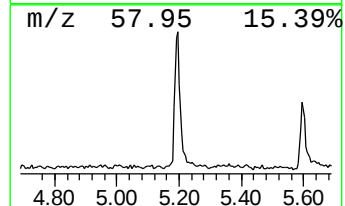
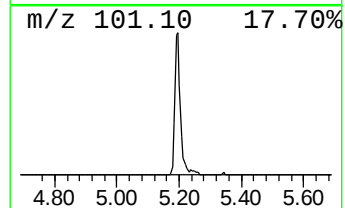
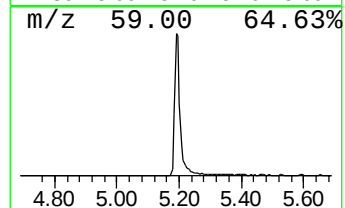
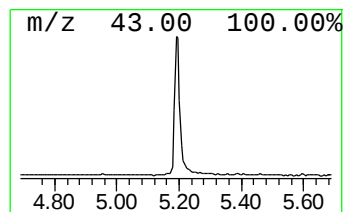
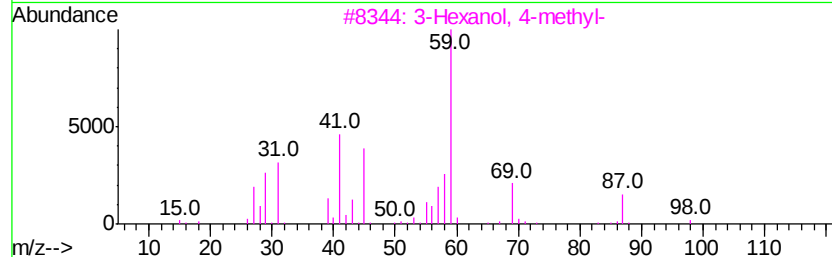
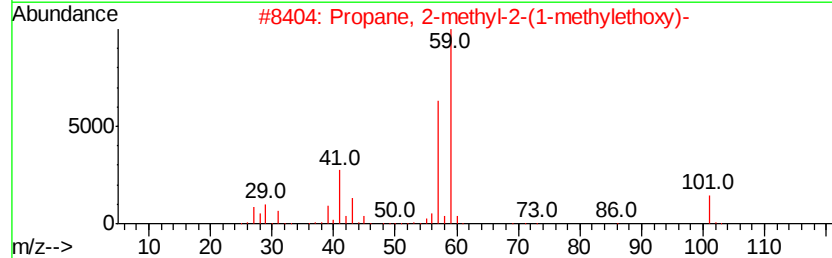
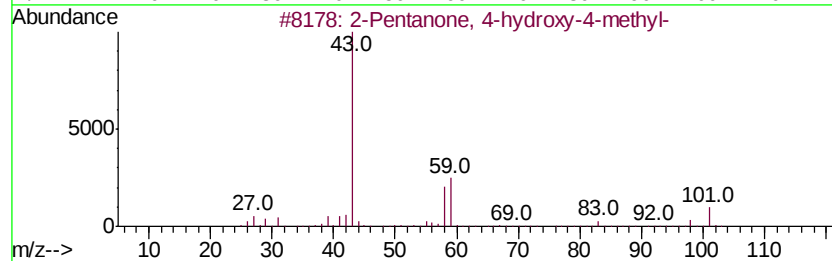
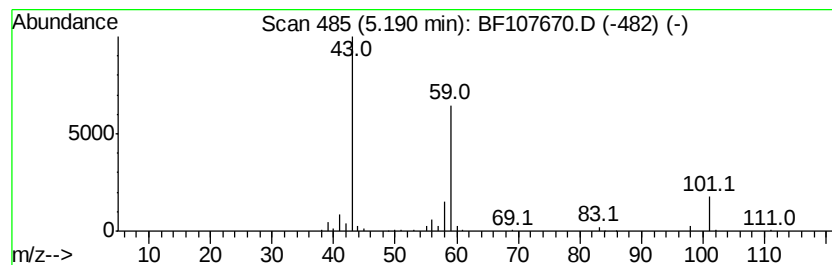
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	4.81 ng	291176	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			3-Hexanol	102	C6H14O	000623-37-0	33
5			3-Octanol	130	C8H18O	000589-98-0	28



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Instrument :
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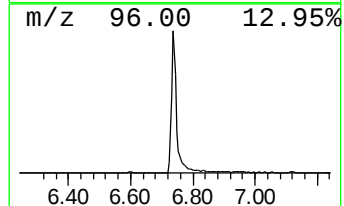
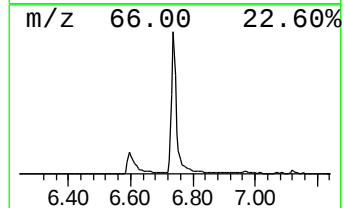
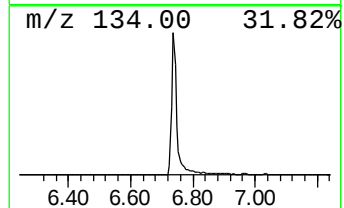
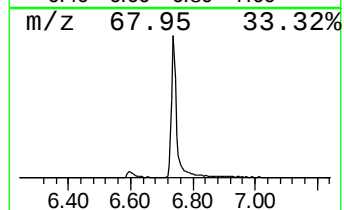
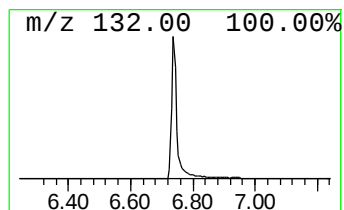
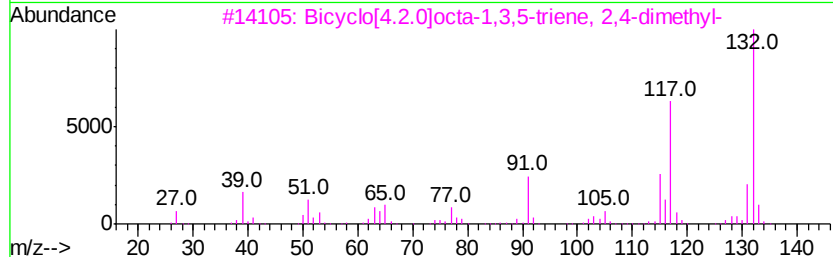
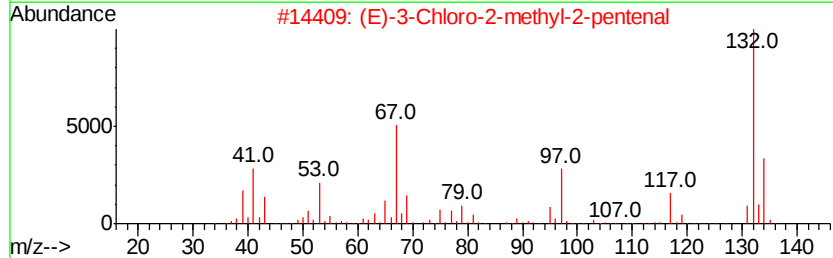
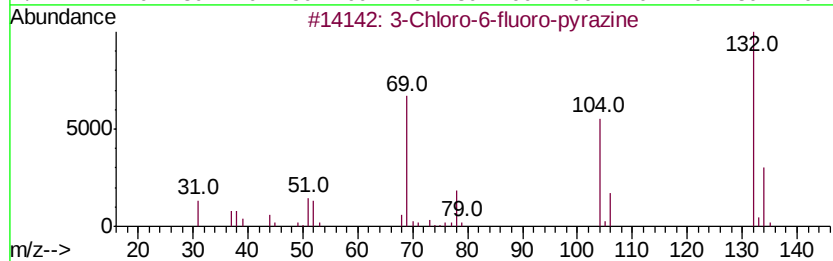
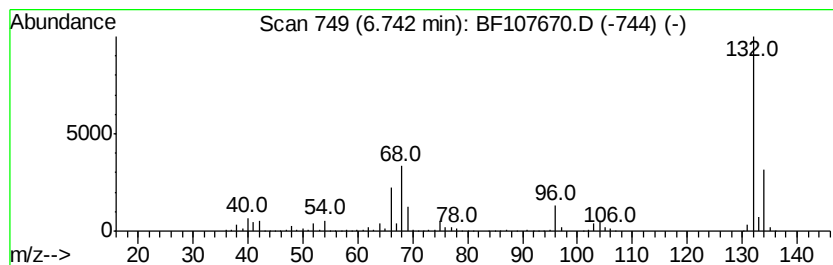
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	31.06 ng	1879770	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	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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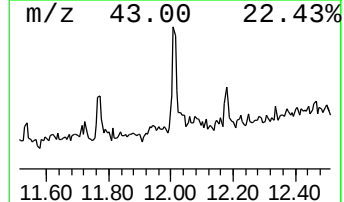
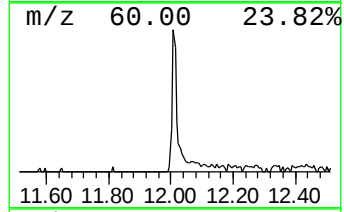
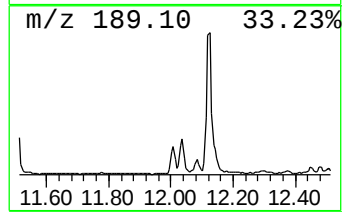
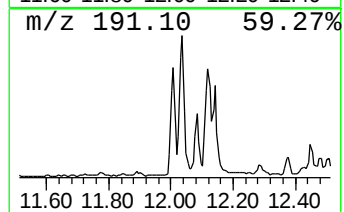
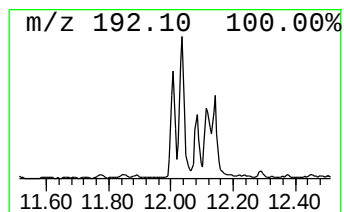
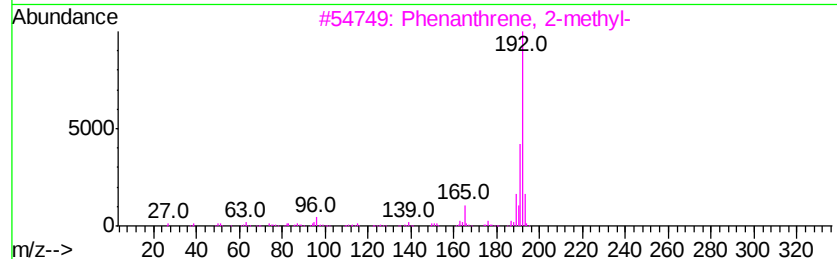
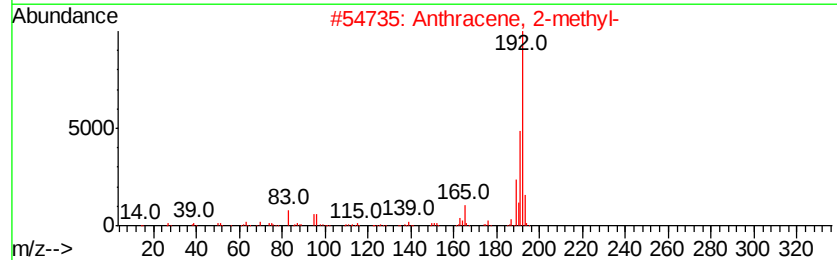
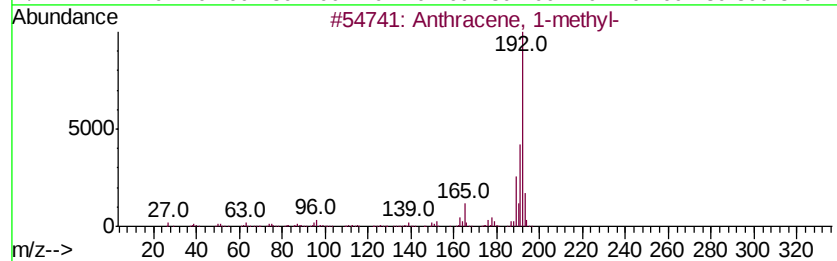
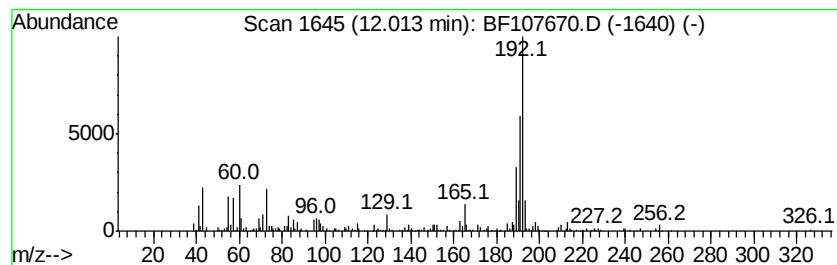
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	6.39 ng	368044	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



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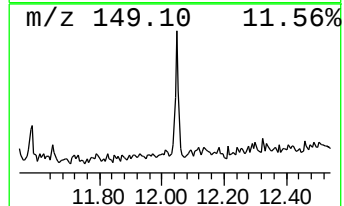
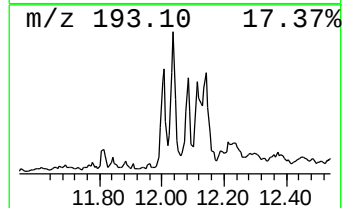
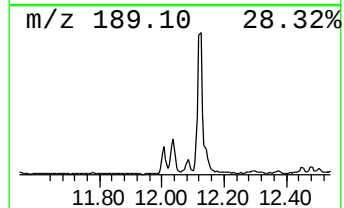
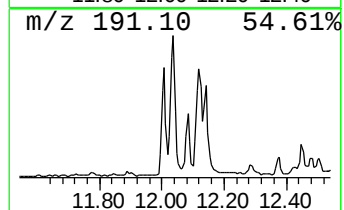
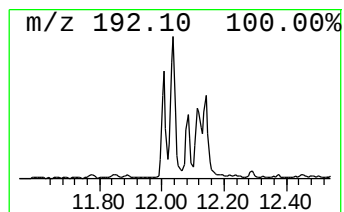
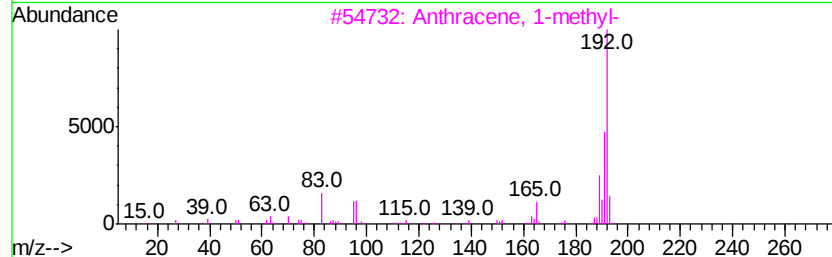
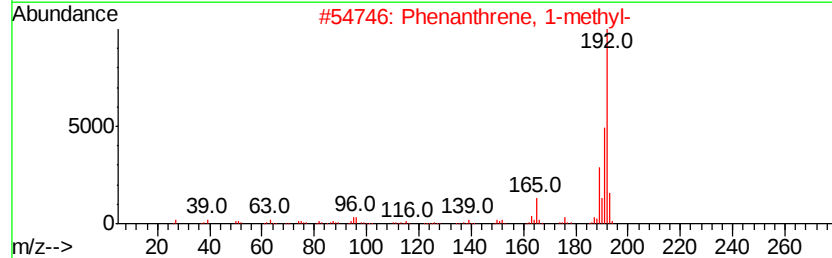
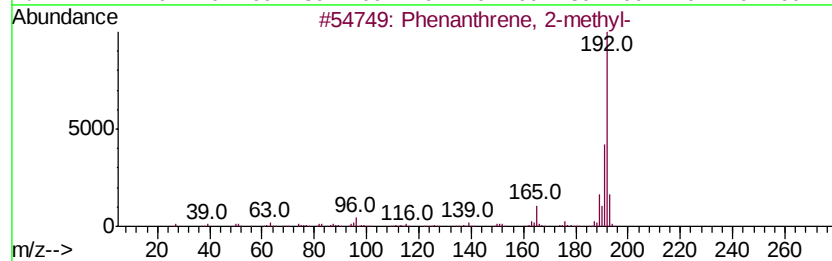
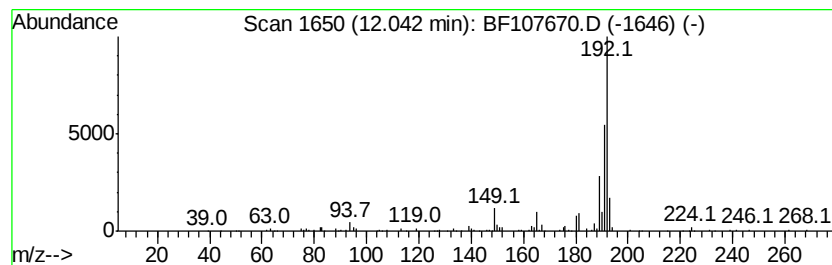
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.49 ng	316173	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

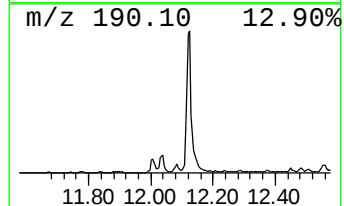
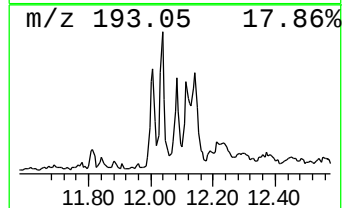
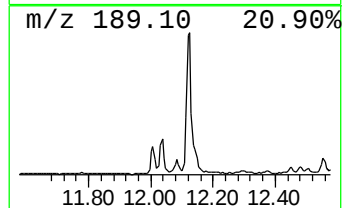
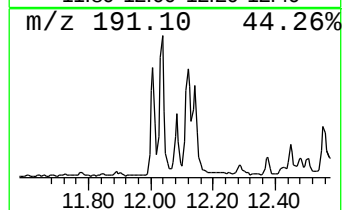
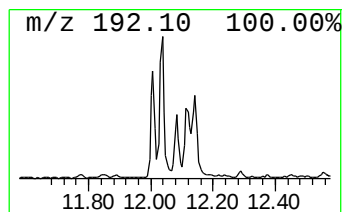
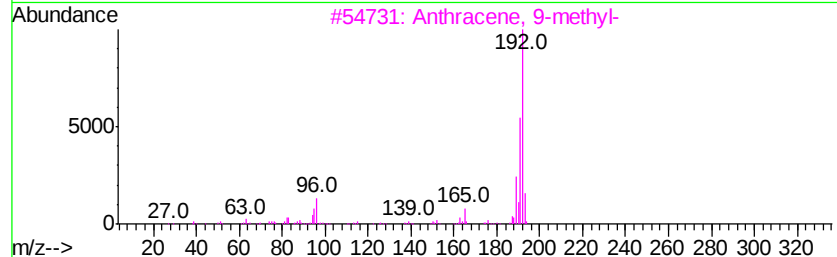
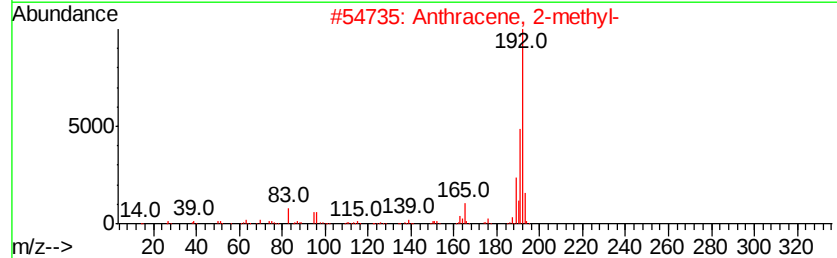
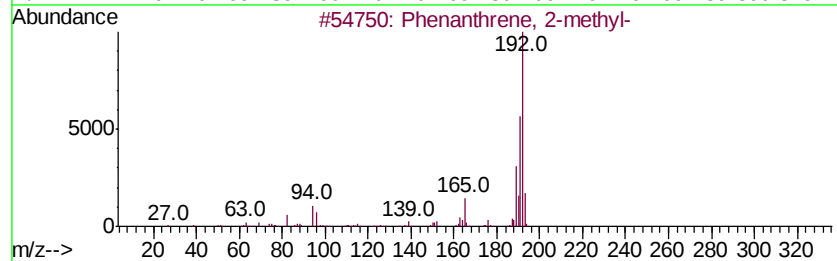
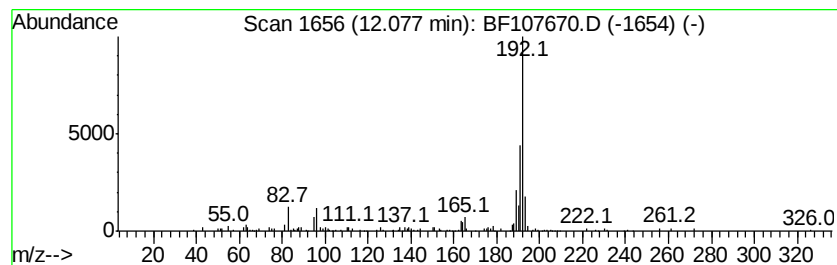
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.25 ng	129689	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PLANTER-DOC-5

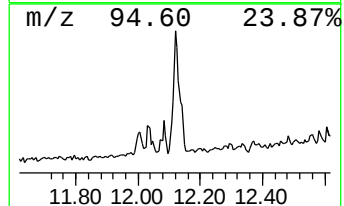
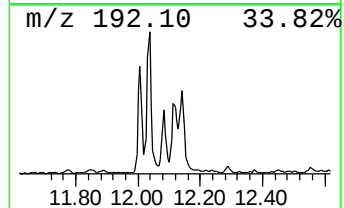
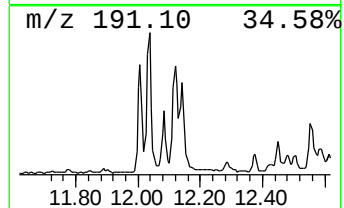
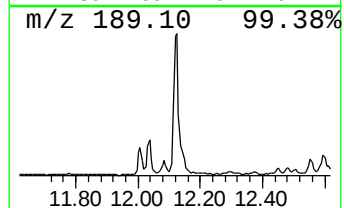
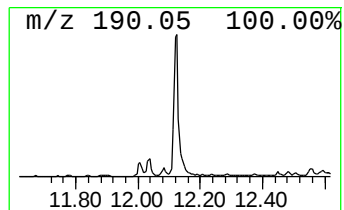
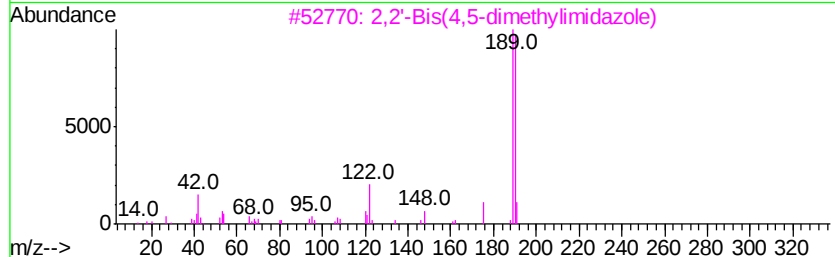
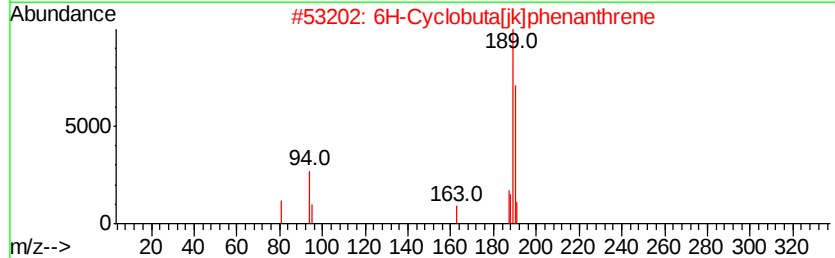
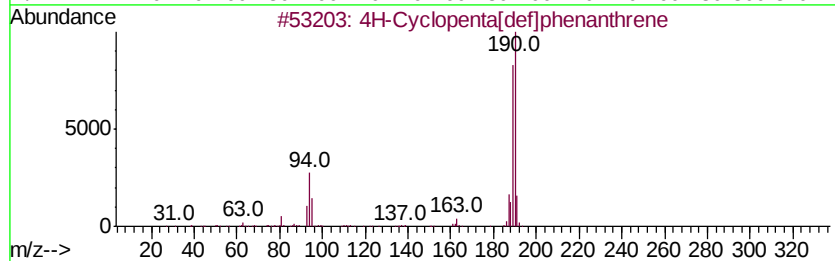
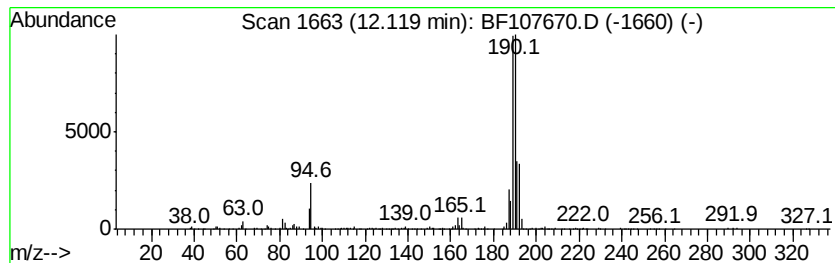
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	10.92 ng	628651	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4		2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	18
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

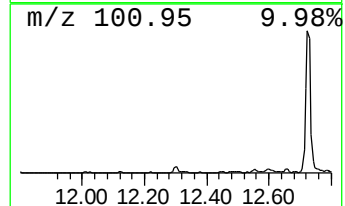
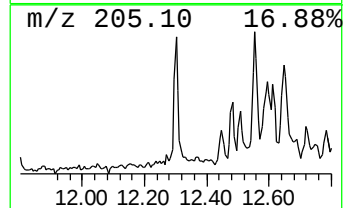
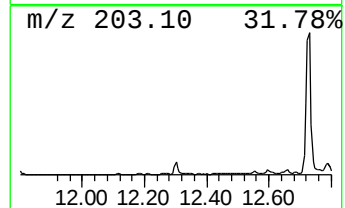
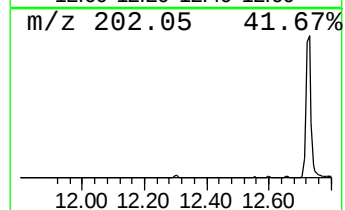
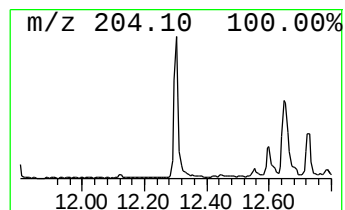
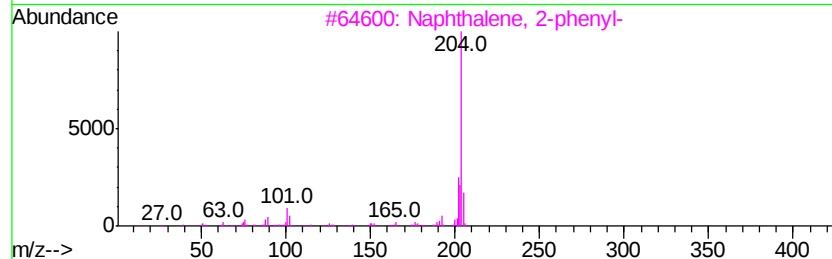
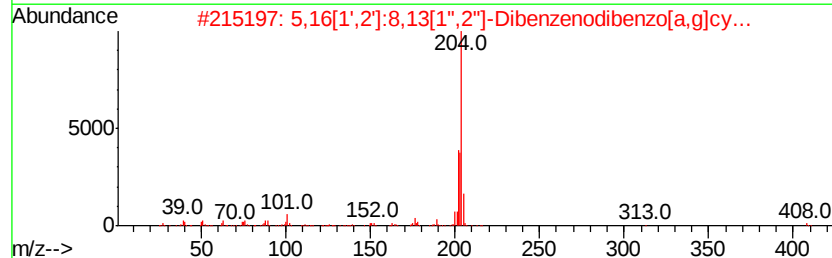
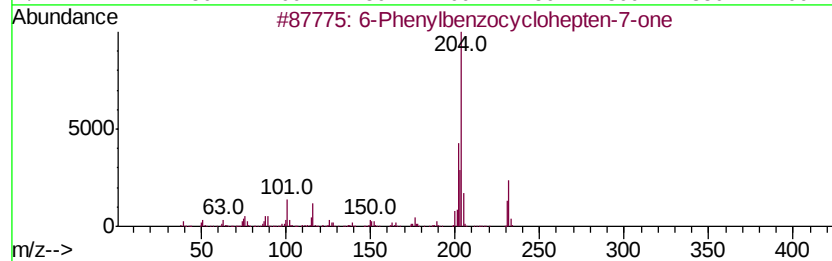
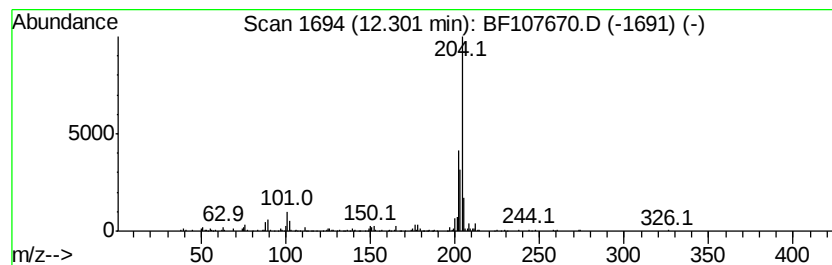
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ClientSampleId :
PLANTER-DOC-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 6-Phenylbenzocyclohepten-7-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	3.33 ng	191416	Phenanthrene-d10	11.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PLANTER-DOC-5

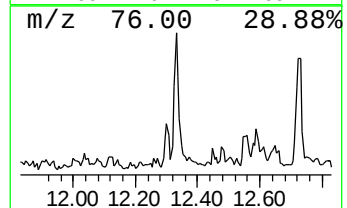
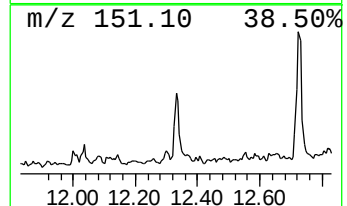
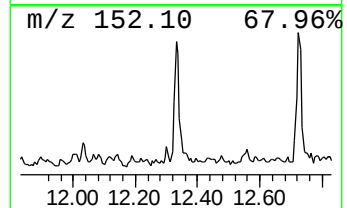
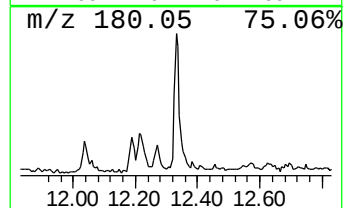
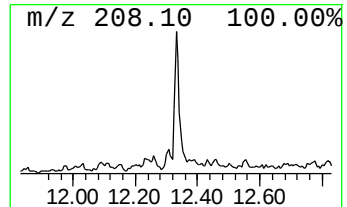
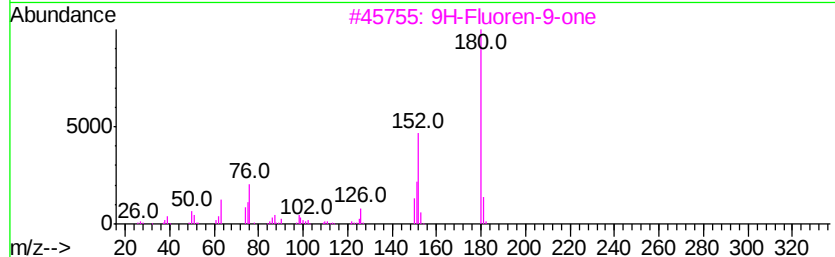
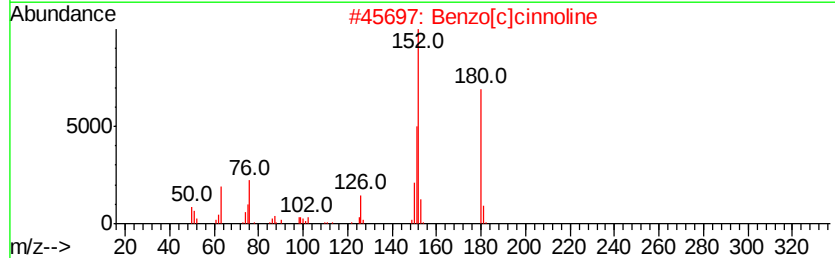
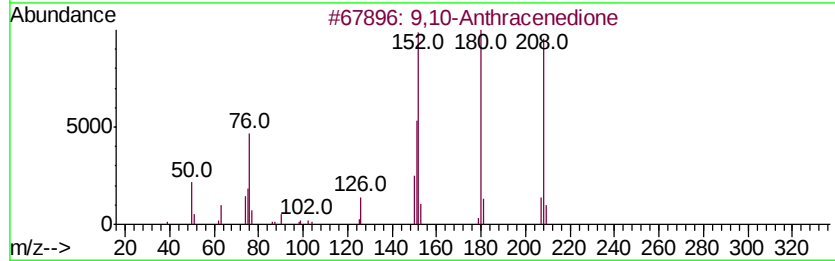
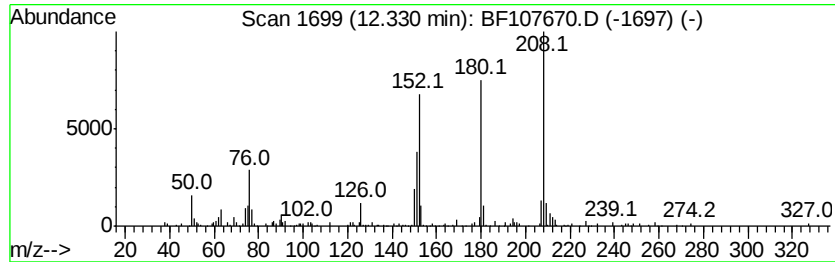
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.39 ng	137481	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5		1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PLANTER-DOC-5

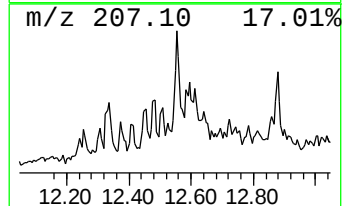
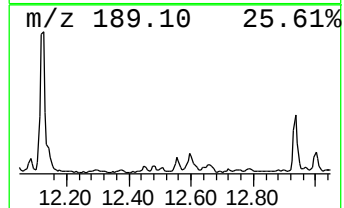
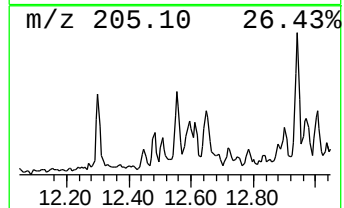
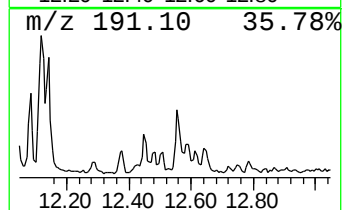
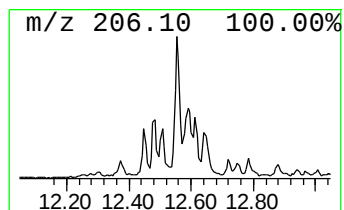
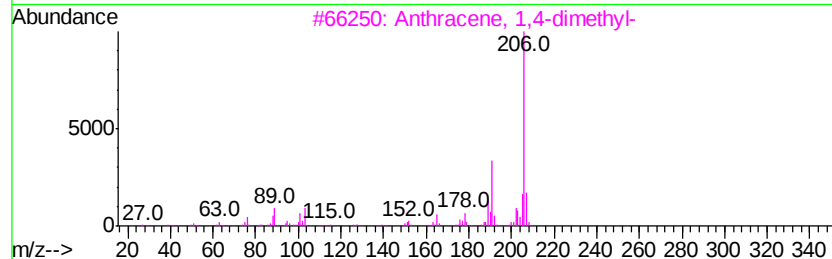
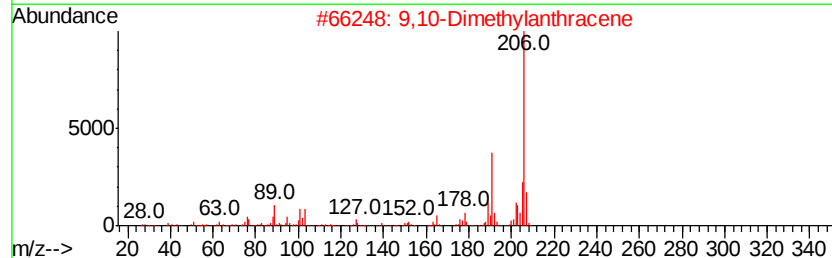
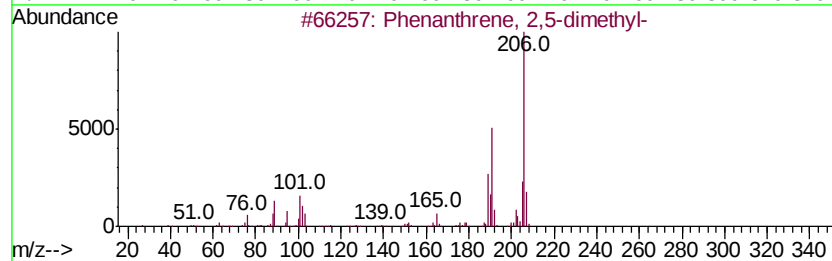
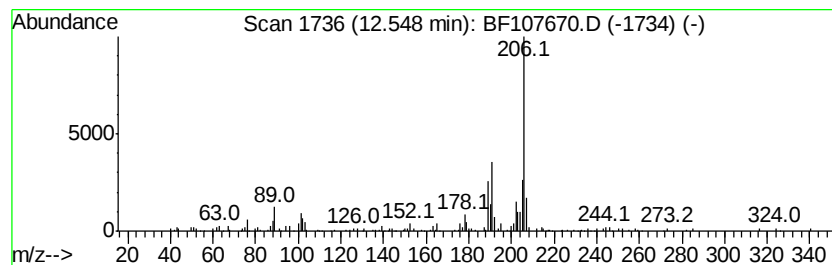
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.59 ng	206770	Phenanthrene-d10	11.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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Misc :
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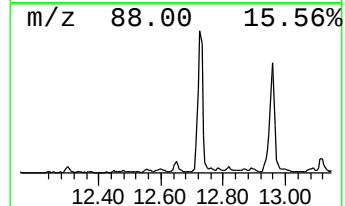
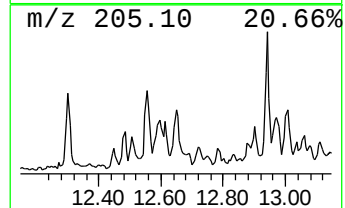
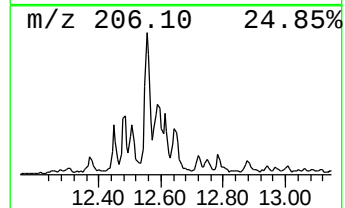
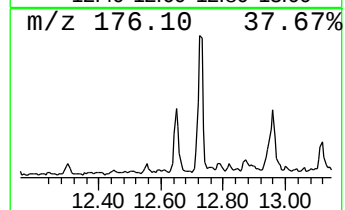
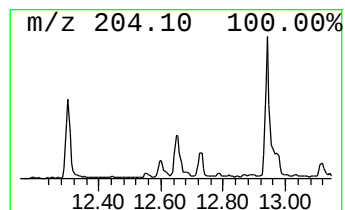
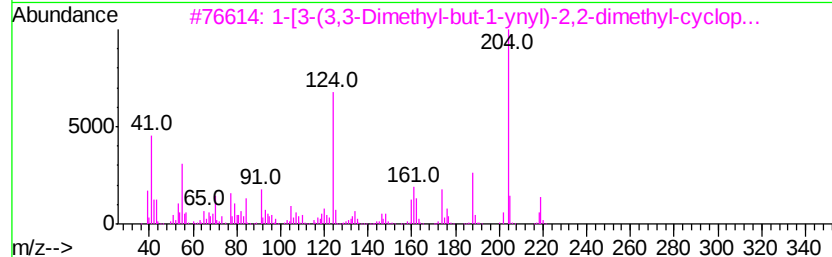
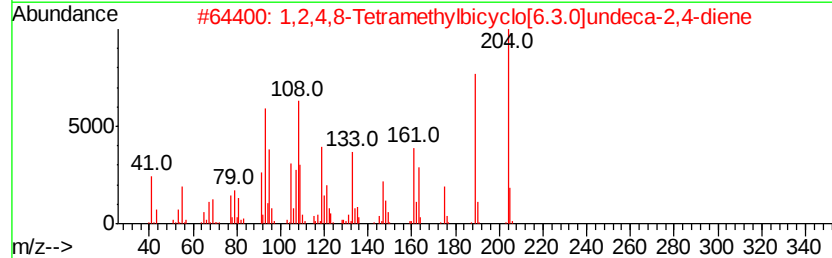
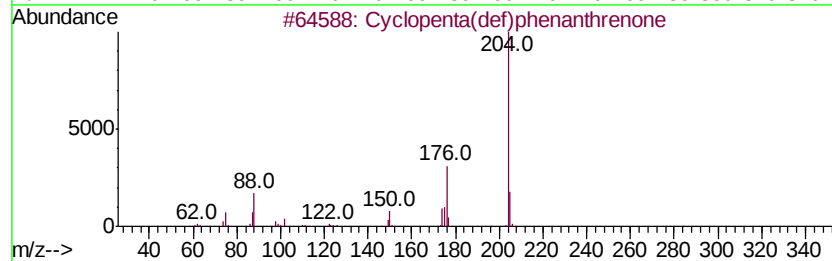
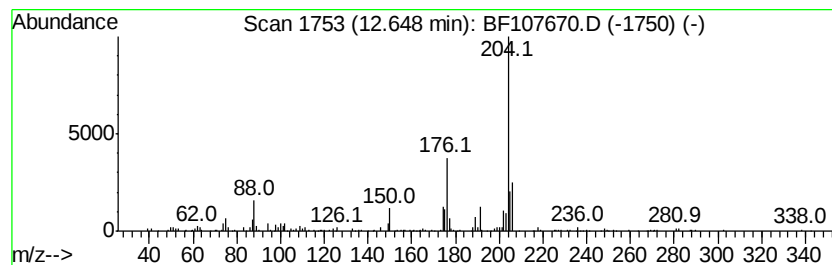
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.65	2.44 ng	140695	Phenanthrene-d10		11.51		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2			1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	87
3			1-[3-(3,3-Dimethyl-but-1-ynyl)-2...	219	C15H25N	1000275-17-2	47
4			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

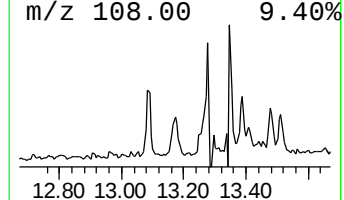
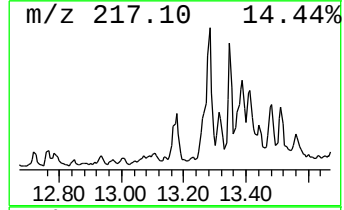
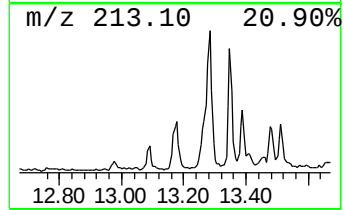
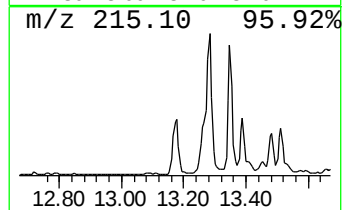
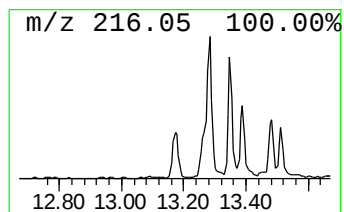
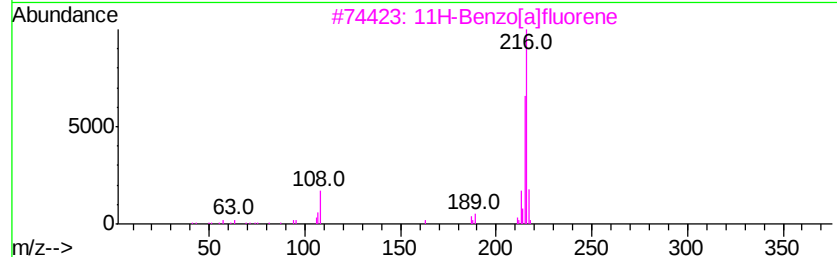
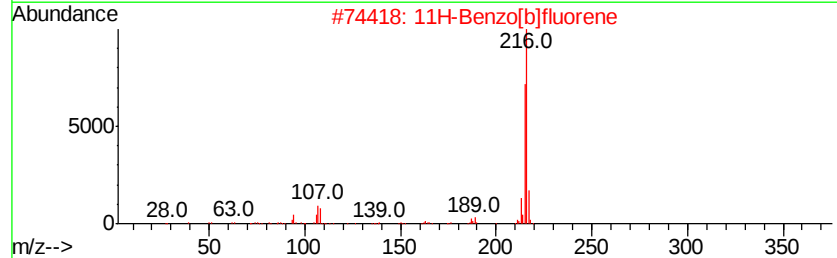
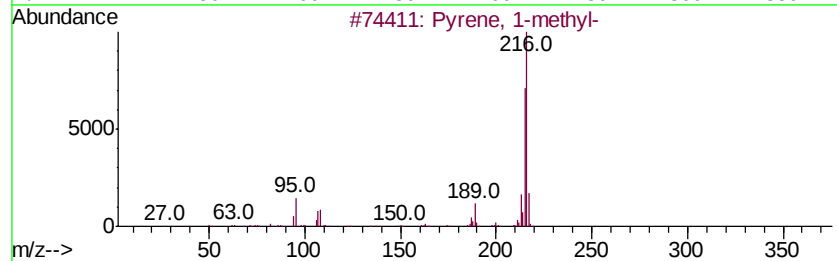
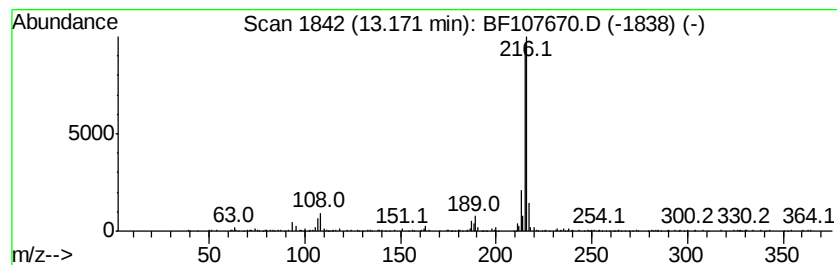
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.07 ng	334003	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

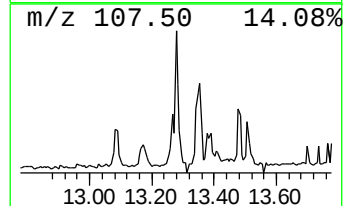
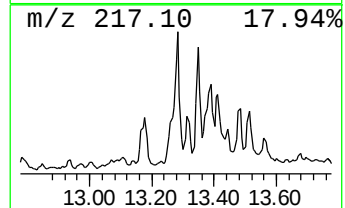
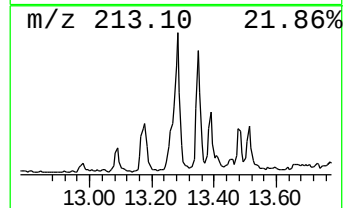
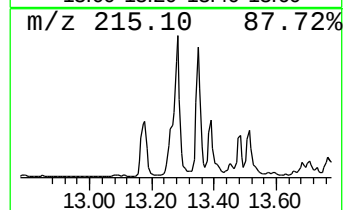
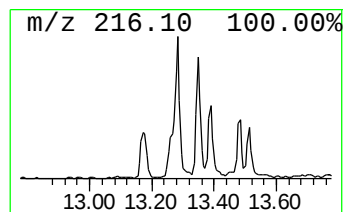
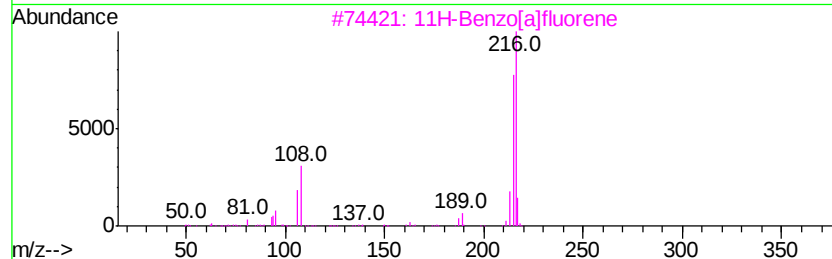
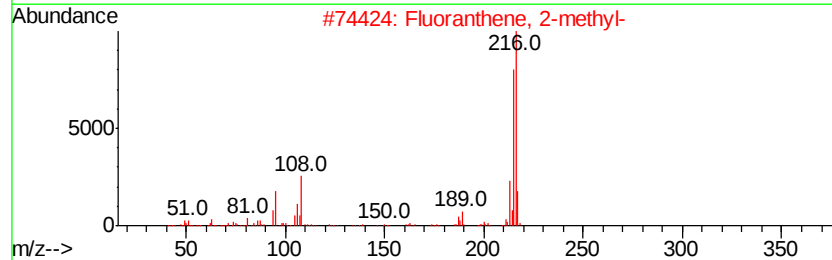
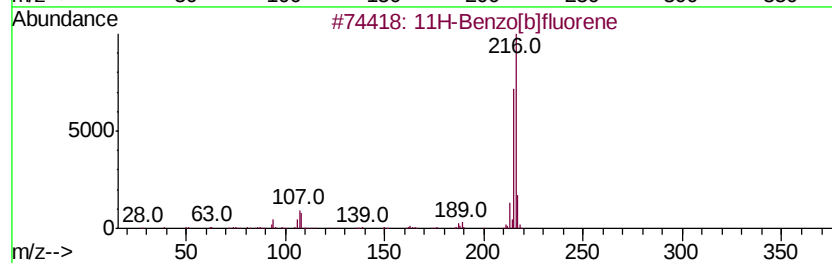
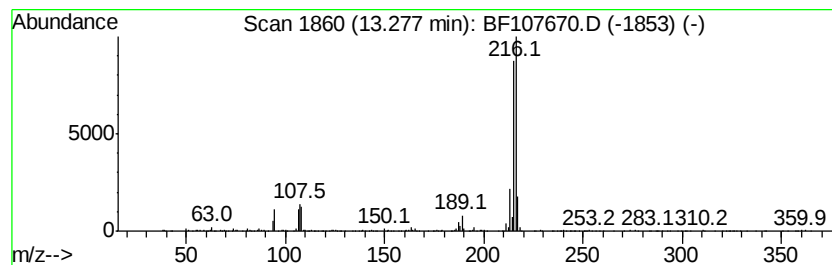
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.79 ng	933867	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

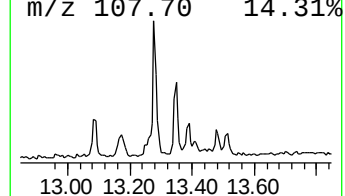
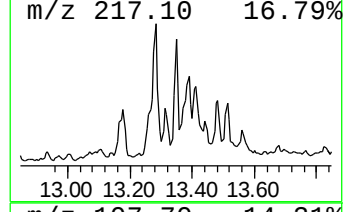
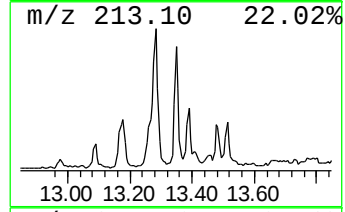
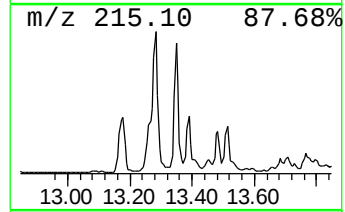
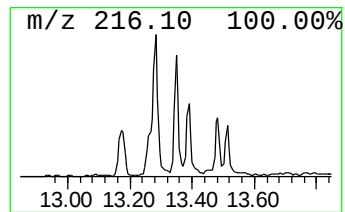
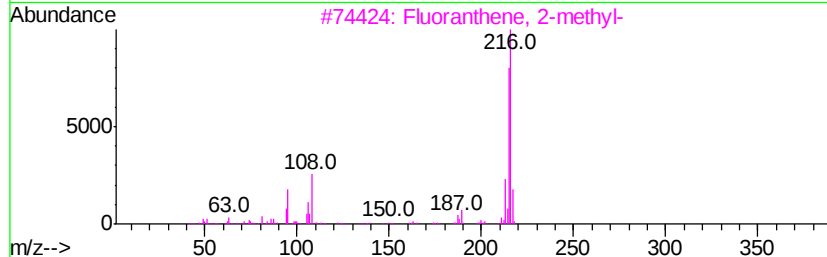
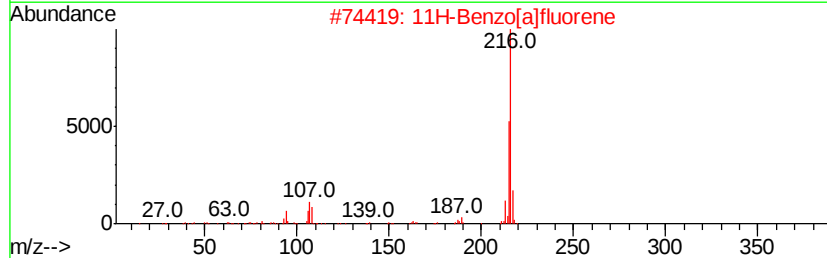
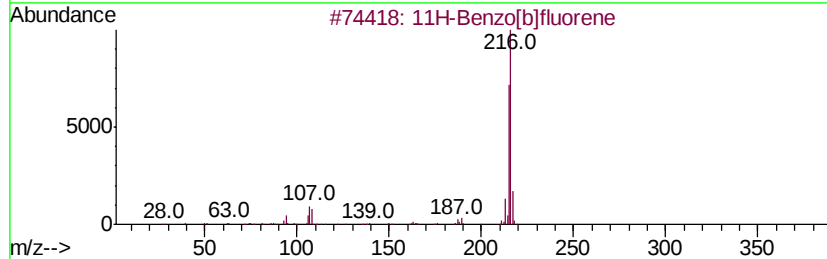
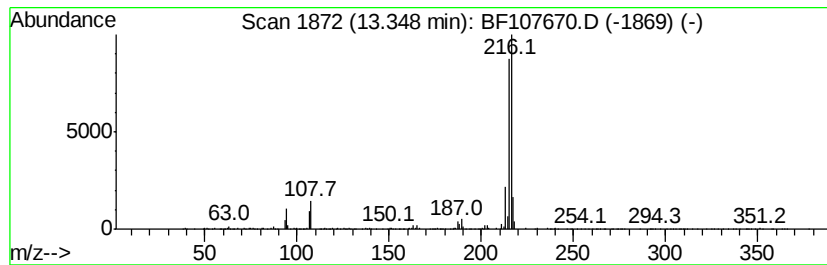
Instrument :
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ClientSampleId :
PLANTER-DOC-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.35	2.77 ng	447168	Chrysene-d12	14.16		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

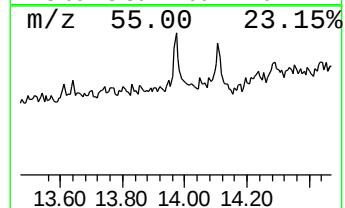
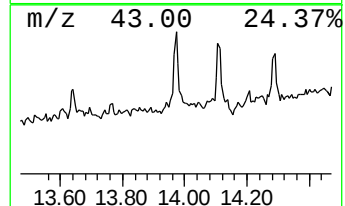
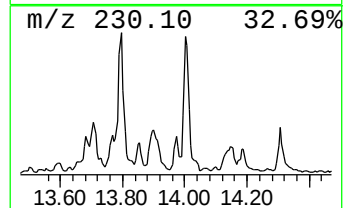
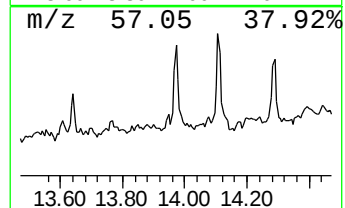
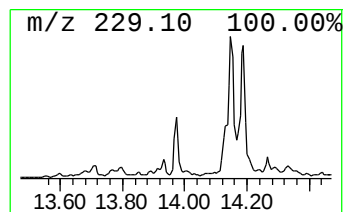
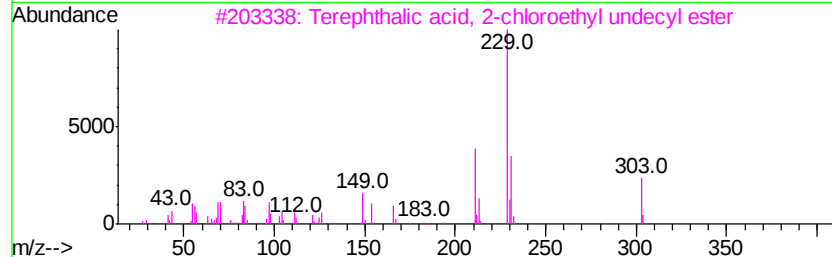
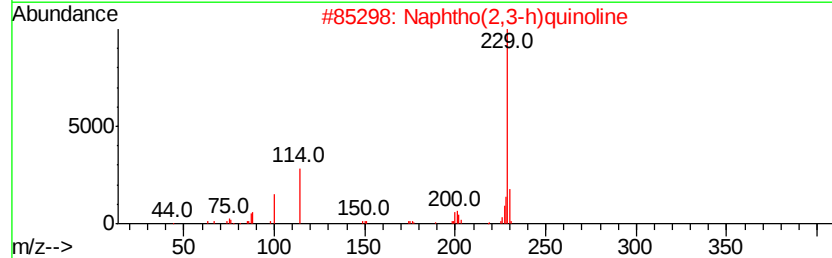
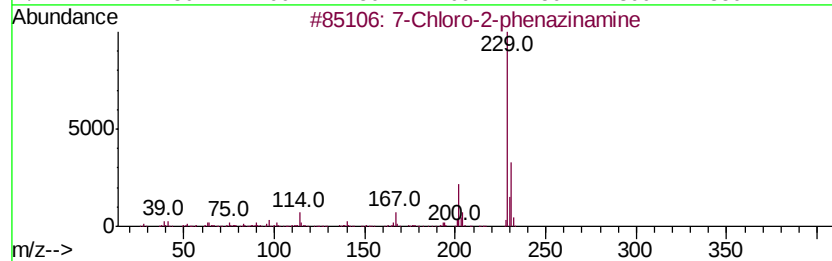
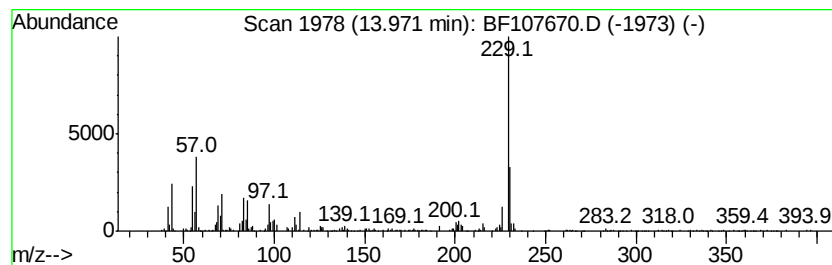
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown13.97 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.75 ng	443077	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	47
2		Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	47
3		Terephthalic acid, 2-chloroethyl...	382	C21H31ClO4	1000323-94-9	43
4		Benz[clacridine	229	C17H11N	000225-51-4	40
5		Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PLANTER-DOC-5

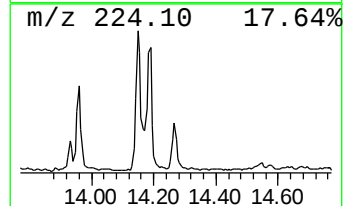
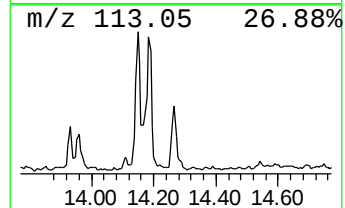
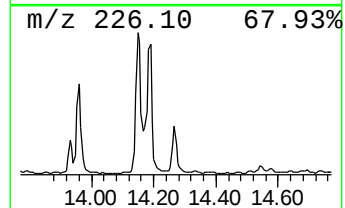
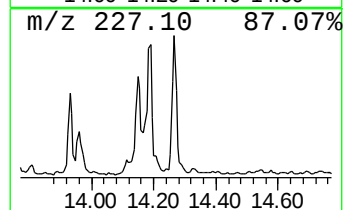
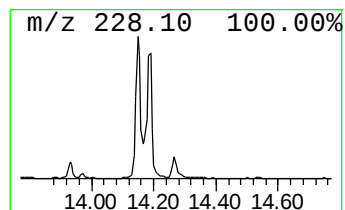
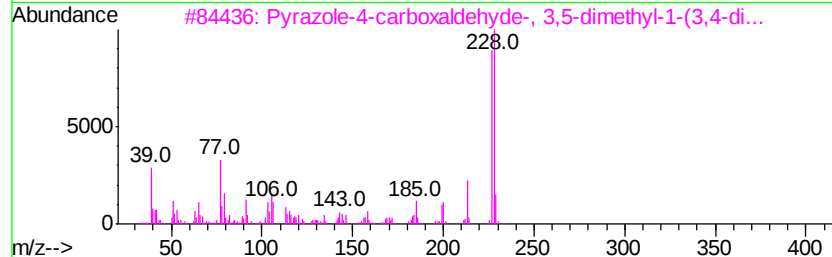
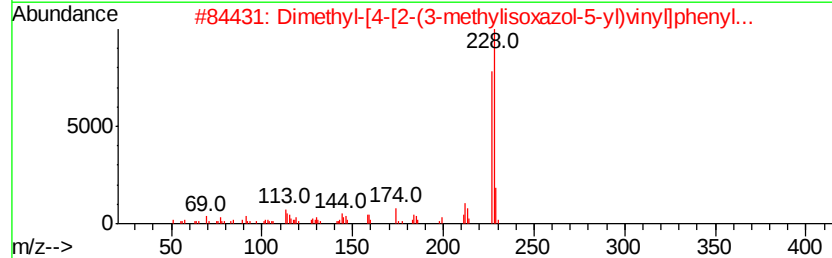
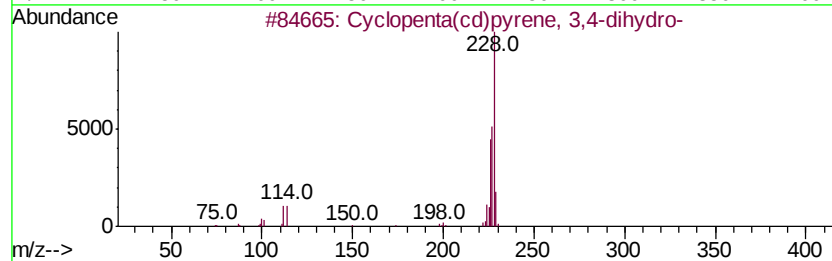
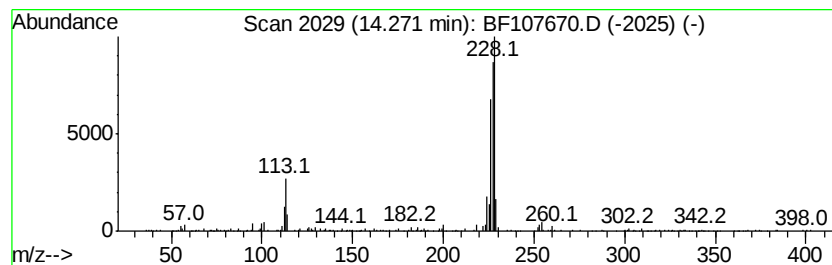
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.05 ng	331484	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2		Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5		Benzo[c]phenanthrene	228	C18H12	000195-19-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PLANTER-DOC-5

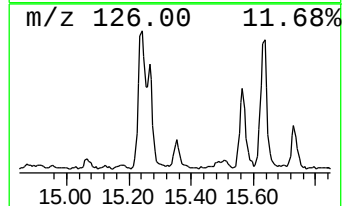
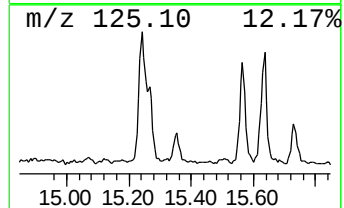
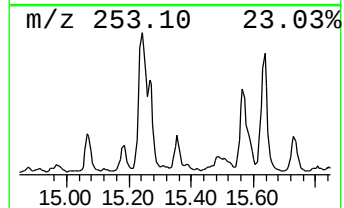
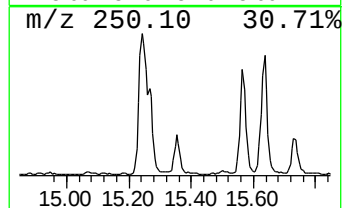
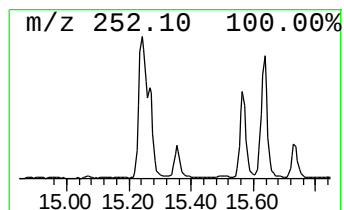
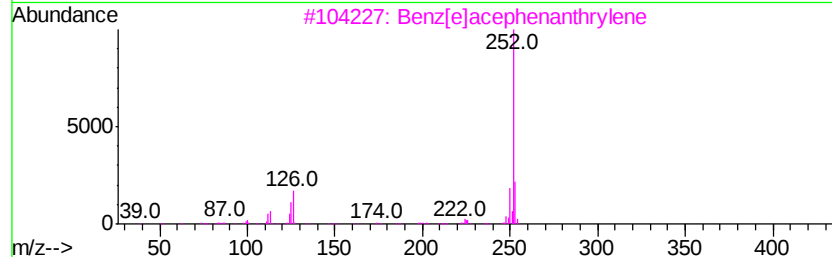
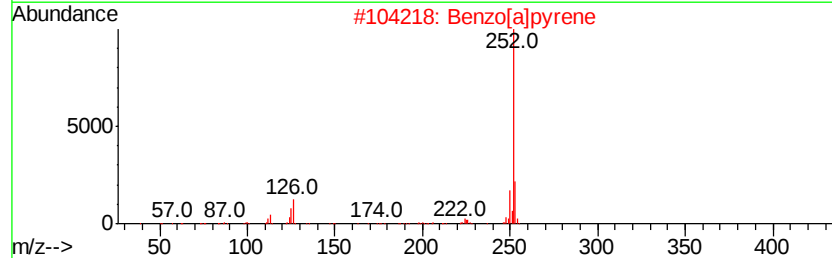
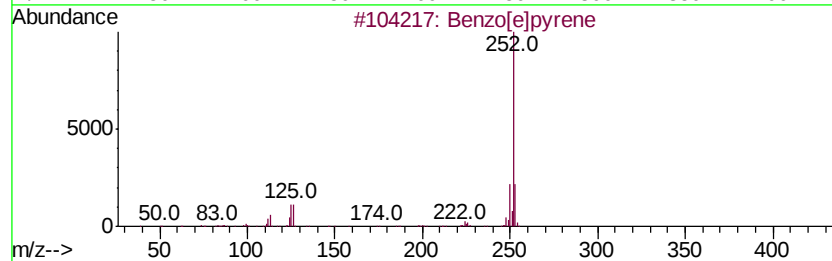
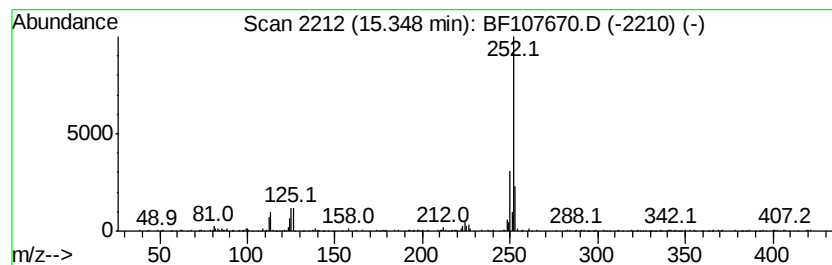
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	10.81 ng	306401	Perylene-d12	15.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107670.D
Acq On : 25 Jul 2018 21:11
Operator : JU/SJ
Sample : J4031-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-5

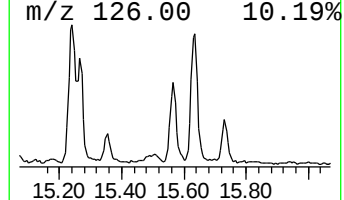
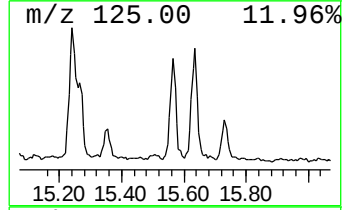
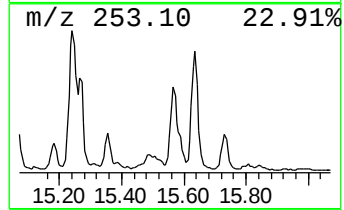
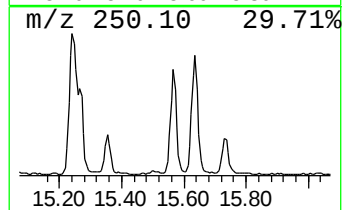
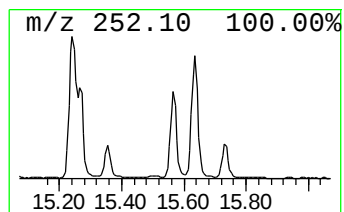
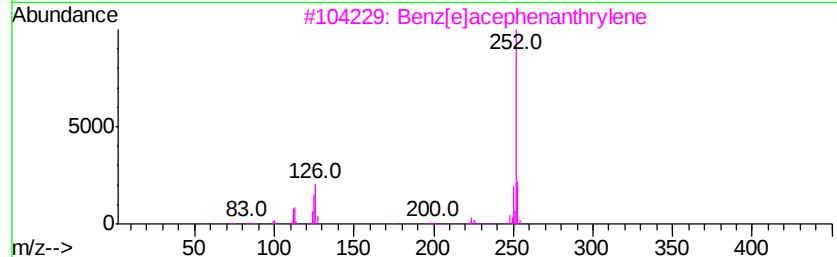
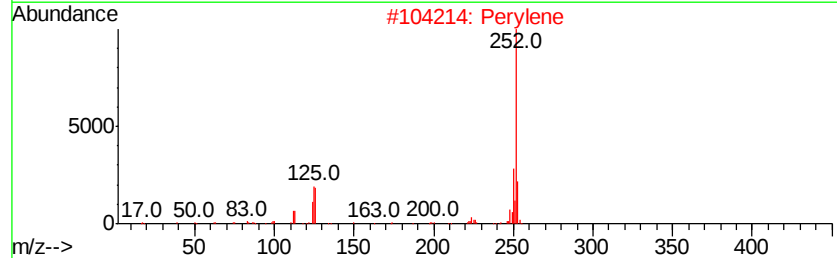
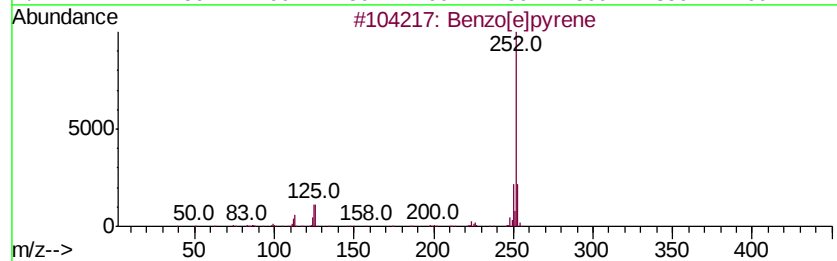
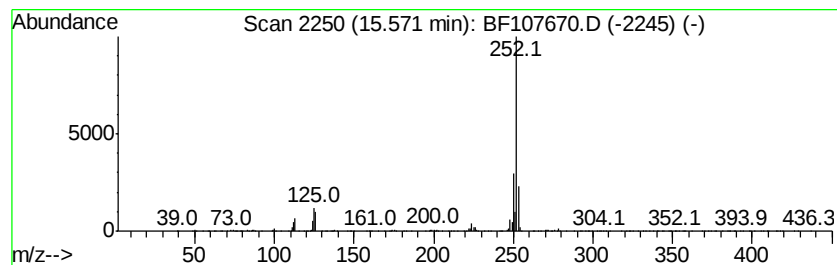
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	36.21 ng	1026300	Perylene-d12	15.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[<i>e</i>]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[<i>e</i>]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[<i>a</i>]pyrene	252	C20H12	000050-32-8	94
5		Benzo[<i>j</i>]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107670.D
 Acq On : 25 Jul 2018 21:11
 Operator : JU/SJ
 Sample : J4031-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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
2-Pentanone, 4-hy...	5.19	4.8 ng		291176	1	6.97	1210550	20.0
unknown6.74	6.74	31.1 ng		1879770	1	6.97	1210550	20.0
Anthracene, 1-met...	12.01	6.4 ng		368044	4	11.51	1151340	20.0
Phenanthrene, 2-m...	12.04	5.5 ng		316173	4	11.51	1151340	20.0
Anthracene, 2-met...	12.08	2.3 ng		129689	4	11.51	1151340	20.0
4H-Cyclopenta[def...	12.12	10.9 ng		628651	4	11.51	1151340	20.0
6-Phenylbenzocycl...	12.30	3.3 ng		191416	4	11.51	1151340	20.0
9,10-Anthracenedione	12.33	2.4 ng		137481	4	11.51	1151340	20.0
Phenanthrene, 2,5...	12.55	3.6 ng		206770	4	11.51	1151340	20.0
Cyclopenta(def)ph...	12.65	2.4 ng		140695	4	11.51	1151340	20.0
Pyrene, 1-methyl-	13.17	2.1 ng		334003	5	14.16	3226680	20.0
11H-Benzo[b]fluorene	13.28	5.8 ng		933867	5	14.16	3226680	20.0
11H-Benzo[a]fluorene	13.35	2.8 ng		447168	5	14.16	3226680	20.0
unknown13.97	13.97	2.8 ng		443077	5	14.16	3226680	20.0
Cyclopenta(cd)pyr...	14.27	2.0 ng		331484	5	14.16	3226680	20.0
Benzo[e]pyrene	15.35	10.8 ng		306401	6	15.70	566908	20.0
Perylene	15.57	36.2 ng		1026300	6	15.70	566908	20.0