

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
 Data File : BF107455.D
 Acq On : 17 Jul 2018 17:52
 Operator : JU/SJ
 Sample : J4012-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-RT-4917

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-BF071618.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	5.219	486	490	496	rVB	329635	357991	12.43%	0.929%
2	5.613	552	557	560	rBV	2720290	2449654	85.08%	6.355%
3	6.613	722	727	730	rBV	2524608	2525776	87.72%	6.552%
4	6.754	747	751	755	rBV	2780112	2631418	91.39%	6.826%
5	6.807	757	760	764	rVB4	28248	38458	1.34%	0.100%
6	6.984	787	790	794	rVB	1141963	990738	34.41%	2.570%
7	7.143	813	817	820	rBV	2461974	2053374	71.32%	5.327%
8	7.548	880	886	889	rBV	1852903	1635924	56.82%	4.244%
9	8.272	1004	1009	1011	rBV	1267039	1186297	41.20%	3.077%
10	8.289	1011	1012	1015	rVB	205681	122206	4.24%	0.317%
11	8.707	1080	1083	1086	rBV4	35941	43761	1.52%	0.114%
12	8.984	1127	1130	1132	rVB	88395	74041	2.57%	0.192%
13	9.084	1144	1147	1150	rBV3	50420	52607	1.83%	0.136%
14	9.260	1175	1177	1180	rBV4	26007	39533	1.37%	0.103%
15	9.342	1186	1191	1194	rBV	3226755	2879238	100.00%	7.469%
16	9.413	1200	1203	1206	rBV5	54815	74611	2.59%	0.194%
17	9.442	1206	1208	1211	rVB4	38684	42552	1.48%	0.110%
18	9.666	1240	1246	1247	rBV6	82202	136883	4.75%	0.355%
19	9.689	1247	1250	1252	rVV4	54159	71733	2.49%	0.186%
20	9.736	1255	1258	1261	rVV	387260	340375	11.82%	0.883%
21	9.889	1280	1284	1287	rBV	179510	200297	6.96%	0.520%
22	9.936	1290	1292	1295	rVB4	100256	105183	3.65%	0.273%
23	10.031	1304	1308	1311	rVB2	1340369	1199197	41.65%	3.111%
24	10.060	1311	1313	1317	rBV5	152440	168605	5.86%	0.437%
25	10.436	1375	1377	1381	rVB5	135430	104011	3.61%	0.270%
26	10.578	1399	1401	1404	rVB2	168388	135757	4.72%	0.352%
27	10.825	1439	1443	1446	rBV	1441829	1386876	48.17%	3.598%
28	10.936	1459	1462	1465	rVB4	231737	254295	8.83%	0.660%
29	11.401	1538	1541	1543	rBV3	238606	268618	9.33%	0.697%
30	11.525	1559	1562	1564	rBV	1086303	1030888	35.80%	2.674%
31	11.548	1564	1566	1569	rVB	1121989	1039939	36.12%	2.698%
32	11.601	1573	1575	1577	rBV	375423	261919	9.10%	0.679%
33	11.754	1599	1601	1605	rVB5	221032	236334	8.21%	0.613%
34	12.348	1700	1702	1707	rVB6	235107	250010	8.68%	0.649%

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

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.748	1766	1770	1773	rVB	2309815	2093661	72.72%	5.431%
36	12.977	1806	1809	1814	rVB	1846892	1998802	69.42%	5.185%
37	13.113	1828	1832	1835	rVB	2352579	2078100	72.18%	5.391%
38	13.301	1861	1864	1867	rVB	451284	446621	15.51%	1.159%
39	13.366	1873	1875	1878	rBV	321669	282924	9.83%	0.734%
40	13.954	1972	1975	1977	rVB	177663	133043	4.62%	0.345%
41	13.989	1977	1981	1983	rBV3	278946	371813	12.91%	0.965%
42	14.171	2008	2012	2015	rBV3	1498945	2167065	75.27%	5.622%
43	14.201	2015	2017	2024	rVB	1086963	1169496	40.62%	3.034%
44	14.283	2029	2031	2034	rBV	264888	207698	7.21%	0.539%
45	14.595	2082	2084	2087	rVB3	177440	138961	4.83%	0.360%
46	15.260	2193	2197	2200	rBV2	629351	1029310	35.75%	2.670%
47	15.583	2249	2252	2259	rVB	425086	559313	19.43%	1.451%
48	15.648	2259	2263	2270	rBV	585588	829152	28.80%	2.151%
49	15.718	2271	2275	2279	rBV	485750	652445	22.66%	1.693%

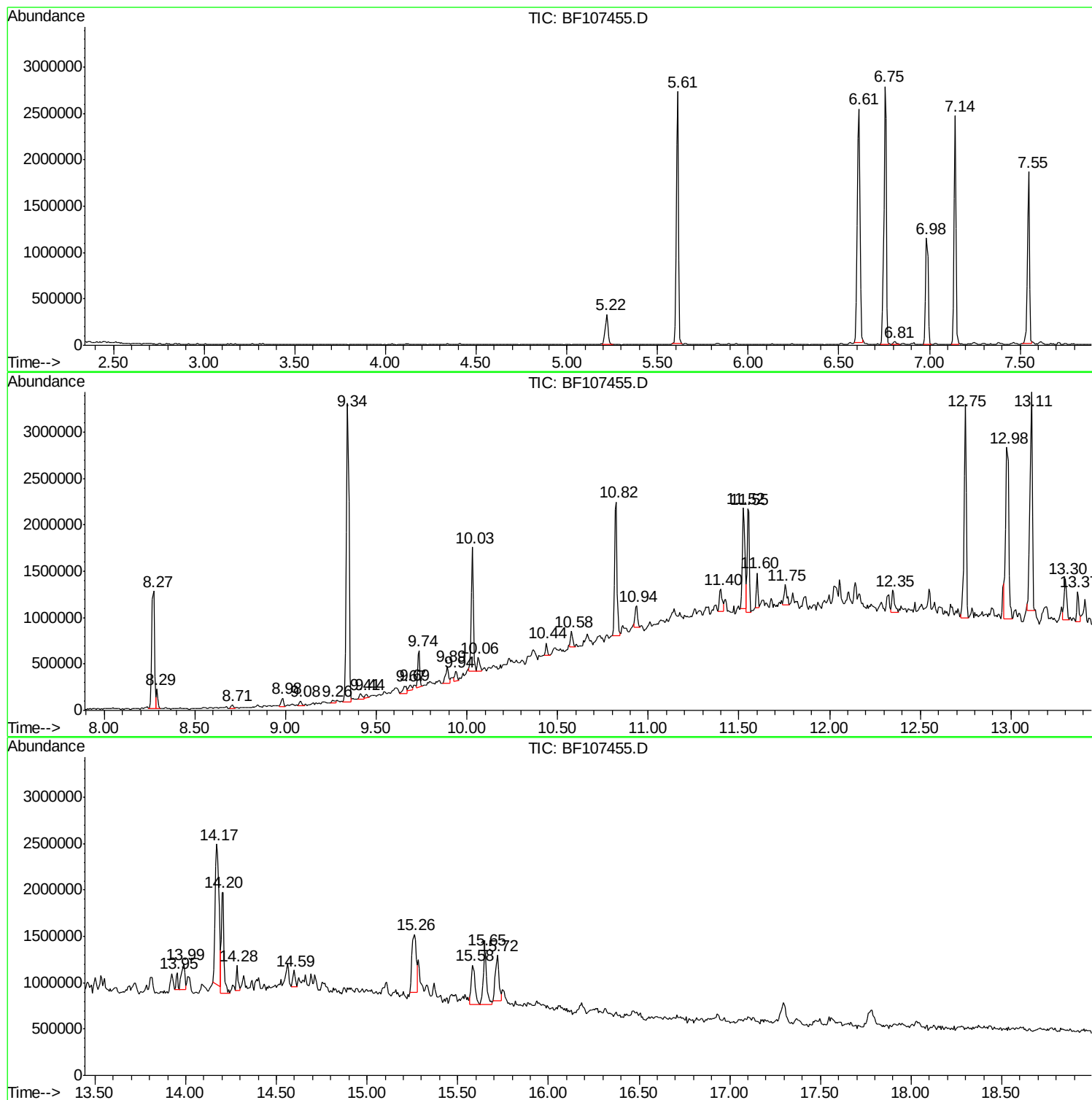
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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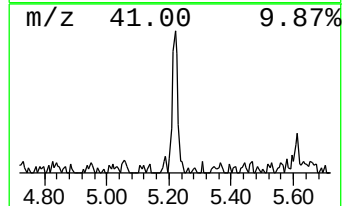
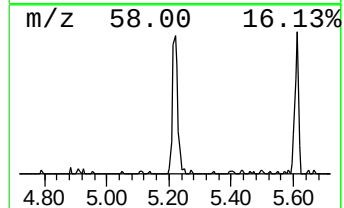
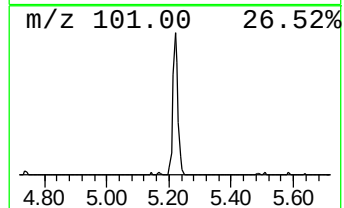
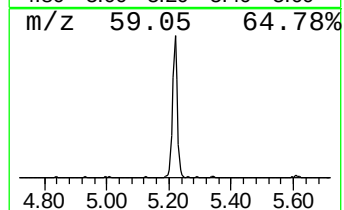
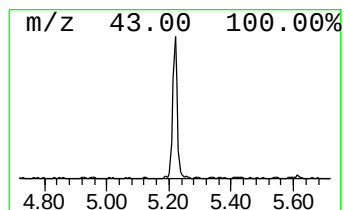
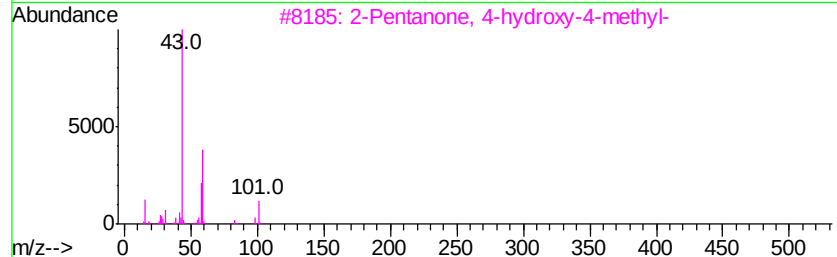
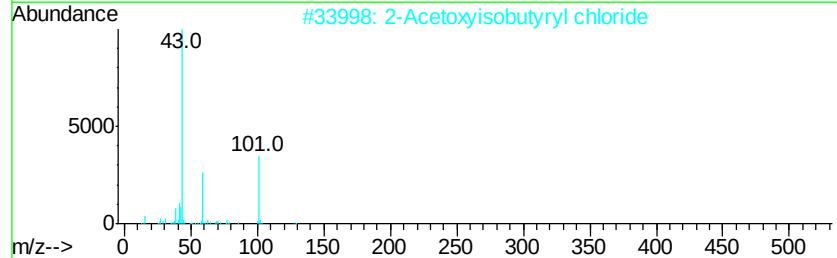
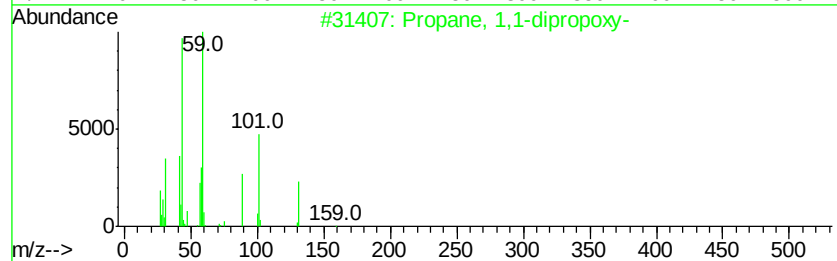
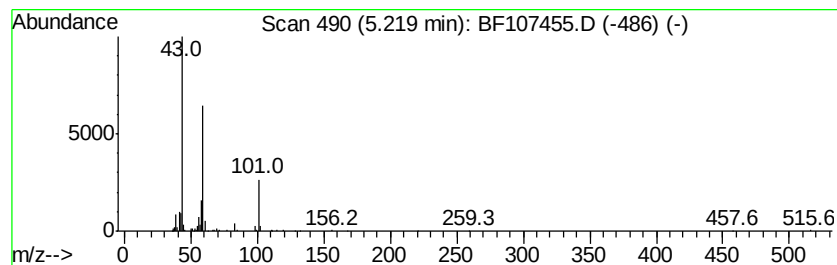
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dipropoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	7.23 ng	357991	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 1,1-dipropoxy-	160	C9H20O2	004744-11-0	72
2		2-Acetoxvisobutyryl chloride	164	C6H9ClO3	040635-66-3	64
3		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
4		Silane, trimethyl-	74	C3H10Si	000993-07-7	37
5		n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33



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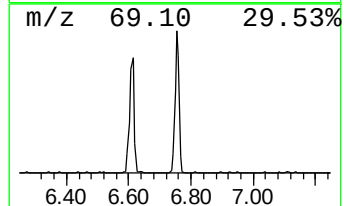
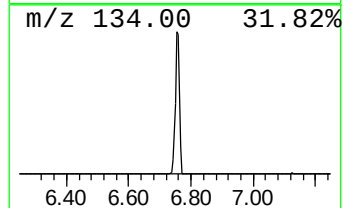
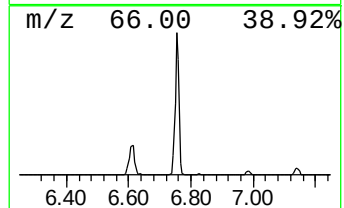
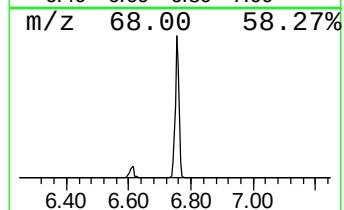
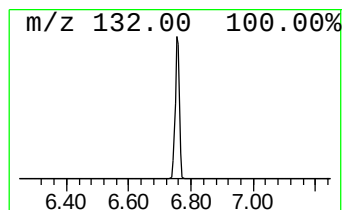
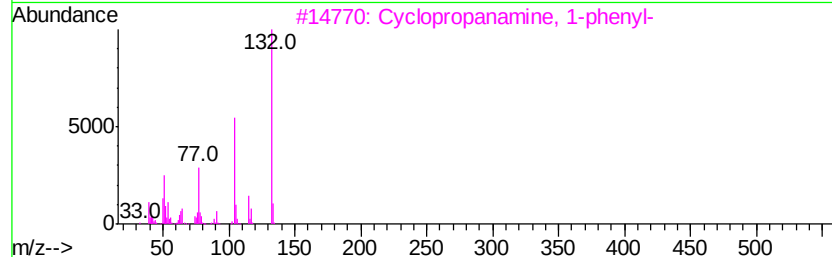
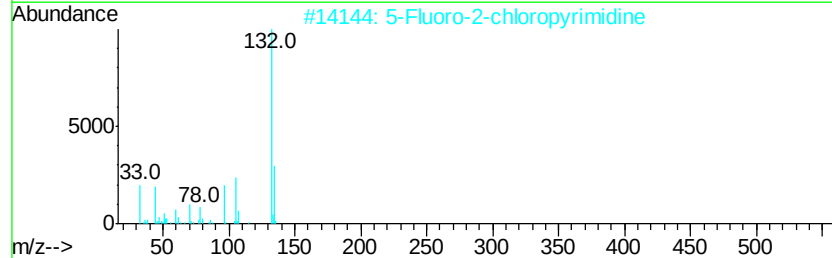
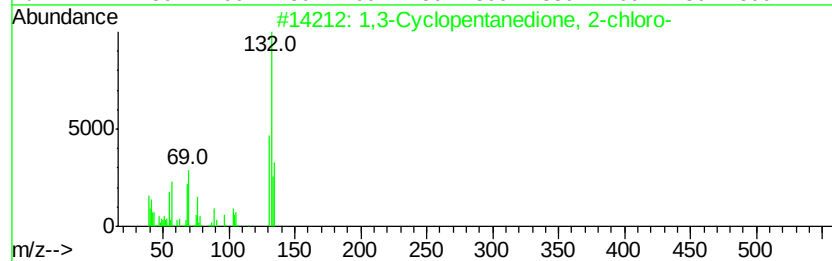
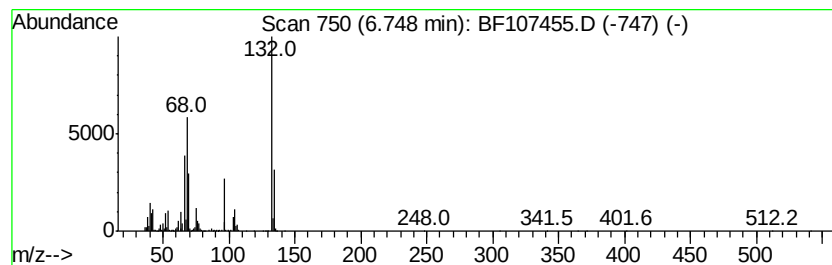
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	53.12 ng	2631420	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	22
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
3		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
4		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	9
5		Xenon	132	Xe	007440-63-3	9



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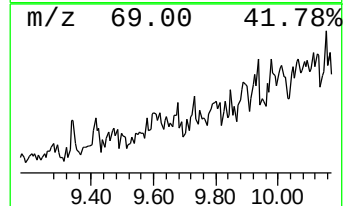
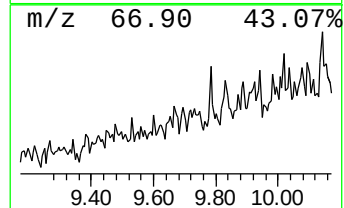
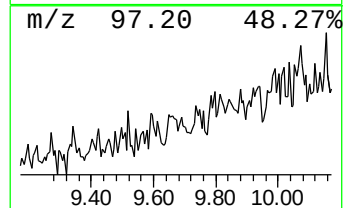
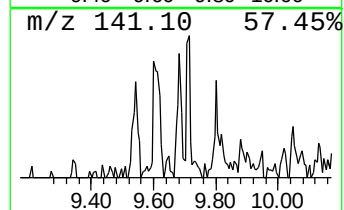
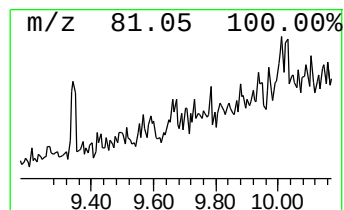
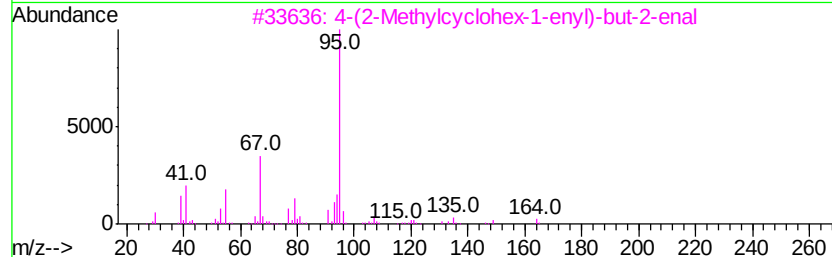
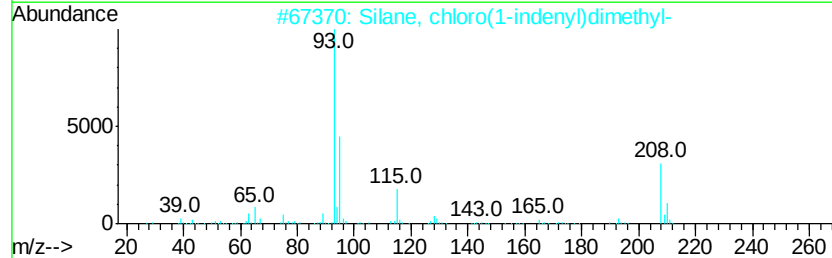
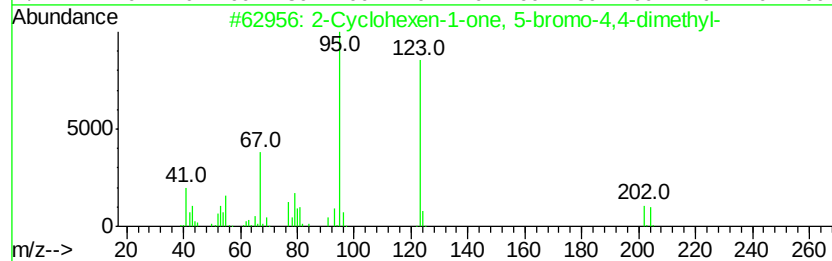
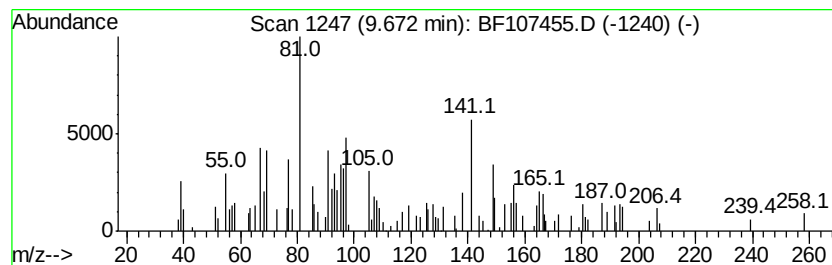
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown9.27 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	2.28 ng	136883	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Cyclohexen-1-one, 5-bromo-4,4-...	202	C8H11BrO	1000327-26-6	27
2		Silane, chloro(1-indenyl)dimethyl-	208	C11H13ClSi	017998-70-8	22
3		4-(2-Methylcyclohex-1-enyl)-but-...	164	C11H16O	1000188-10-0	22
4		1,5-Methano-8H-pyrido[1,2-a][1,5...	194	C11H18N2O	018161-94-9	14
5		N-Phenyl-3-morpholinocrotonamide	246	C14H18N2O2	076409-89-7	14



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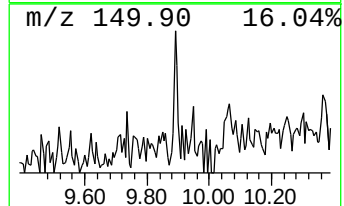
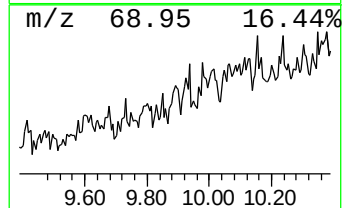
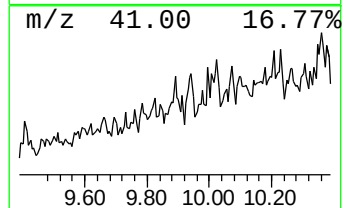
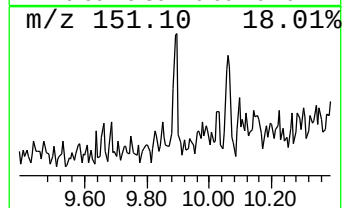
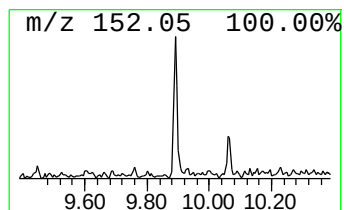
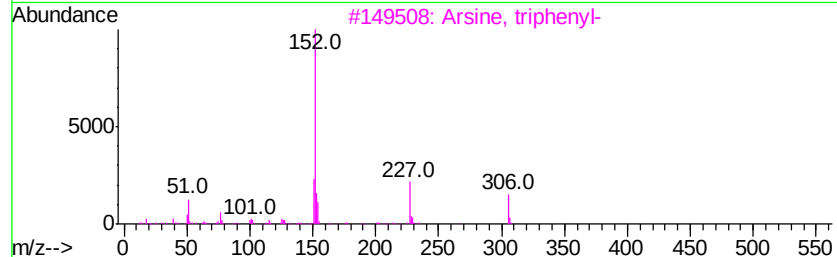
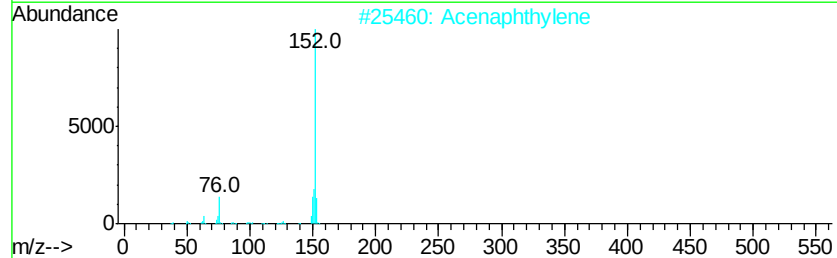
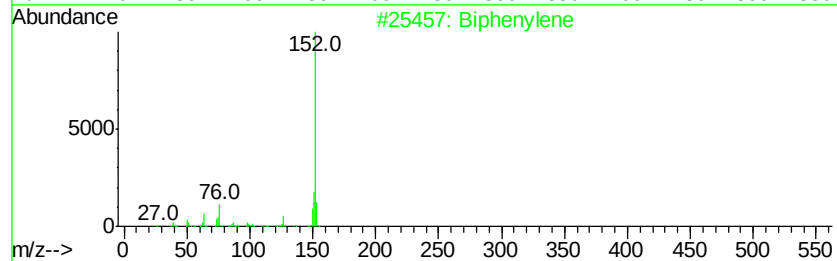
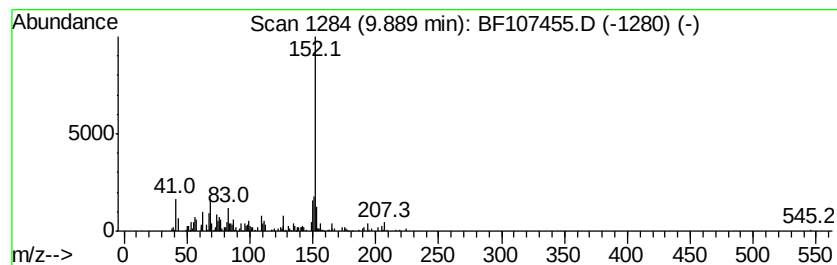
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Biphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	3.34 ng	200297	Acenaphthene-d10	10.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenylene	152	C12H8	000259-79-0	74
2		Acenaphthylene	152	C12H8	000208-96-8	64
3		Arsine, triphenyl-	306	C18H15As	000603-32-7	59
4		2H-Pyrrol-2-one, 1,5-dihydro-4-(...)	152	C8H12N2O	105776-93-0	59
5		1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	59



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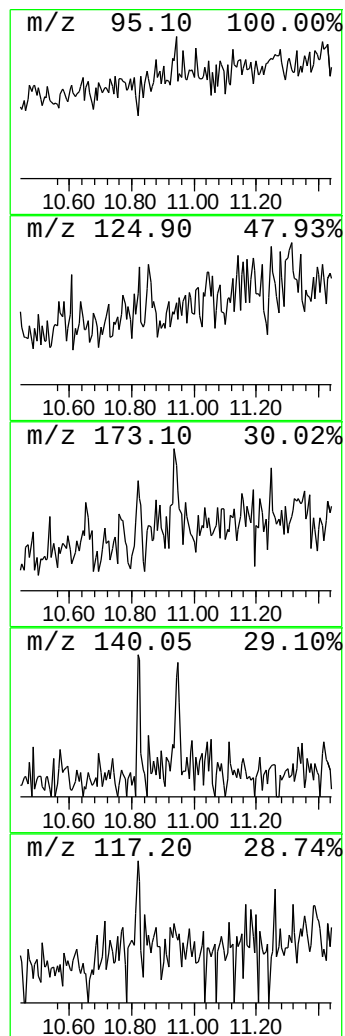
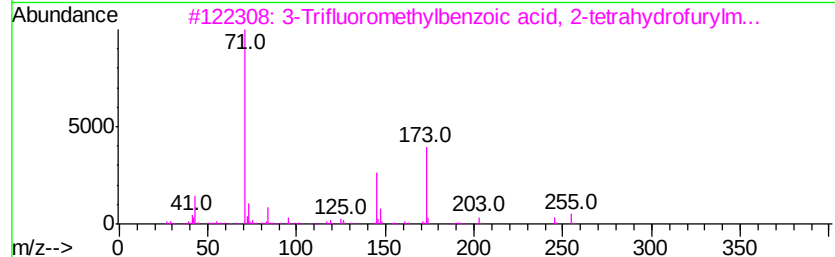
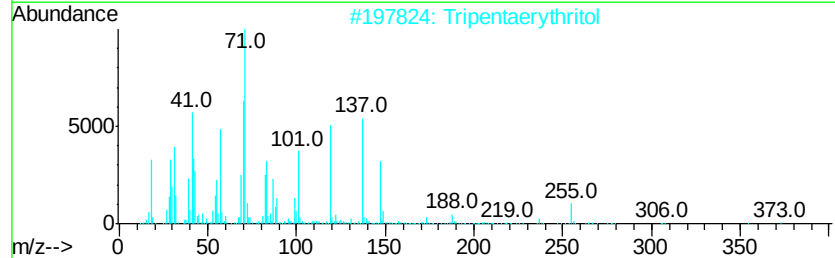
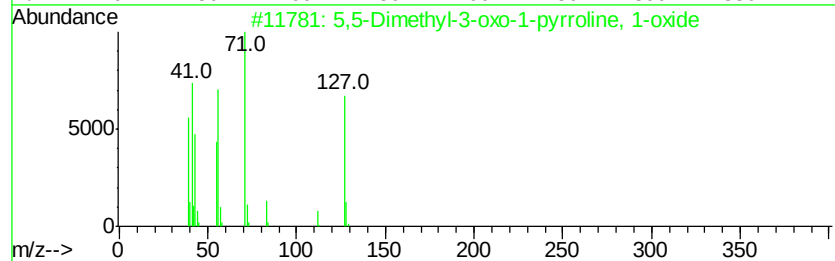
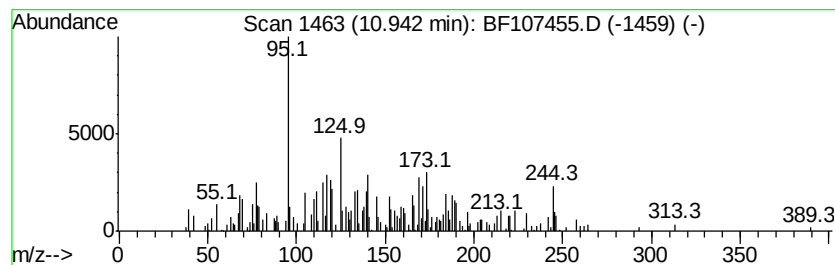
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown10.94 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.94	4.93 ng	254295	Phenanthrene-d10	11.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-3-oxo-1-pyrroline, ...	127	C6H9NO2	1000305-98-3	27
2	Tripentaerythritol	372	C15H32O10	000078-24-0	22
3	3-Trifluoromethylbenzoic acid, 2...	274	C13H13F3O3	1000282-23-1	16
4	2,5-Dimethylcyclohexanol	128	C8H16O	003809-32-3	14
5	2-methylhexacosane	380	C27H56	1000376-72-7	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107455.D
Acq On : 17 Jul 2018 17:52
Operator : JU/SJ
Sample : J4012-01
Misc :
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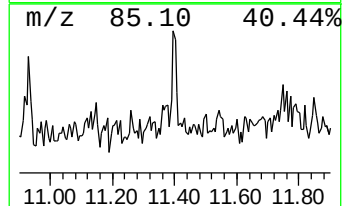
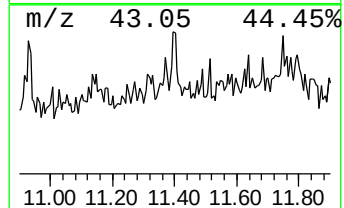
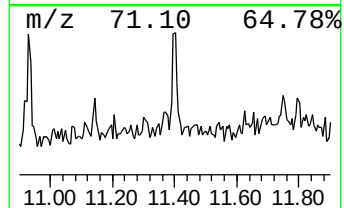
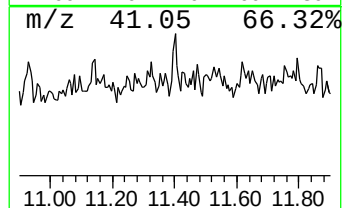
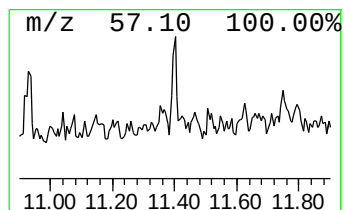
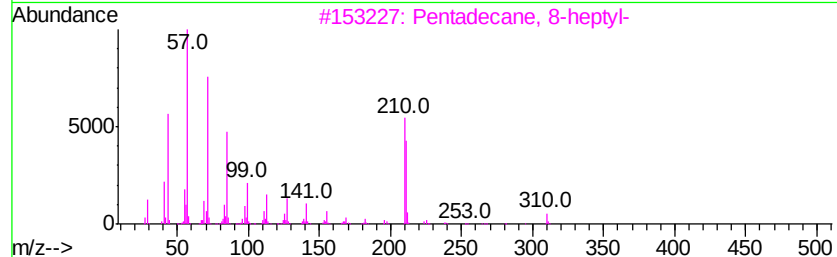
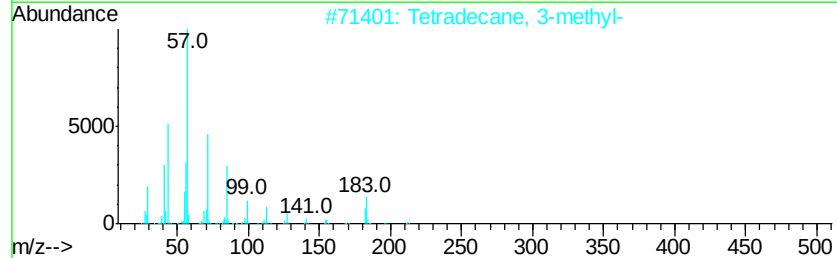
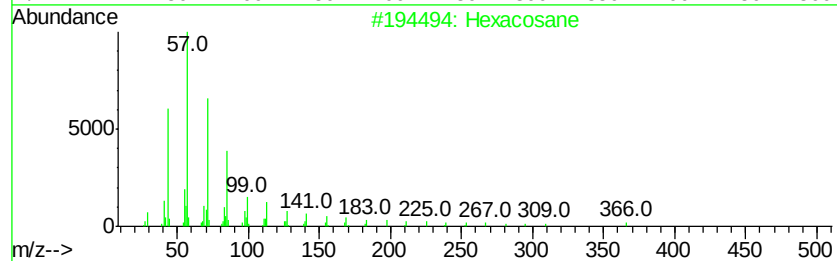
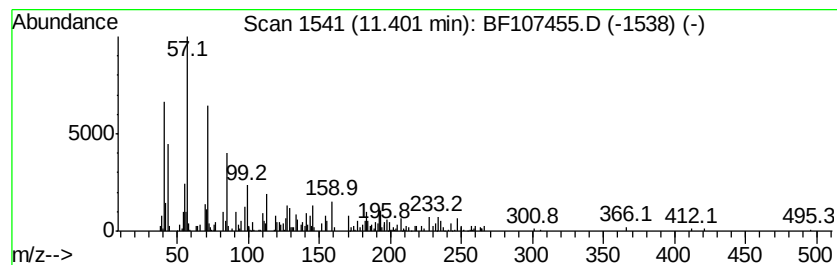
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.40	5.21 ng	268618	Phenanthrene-d10		11.52
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	58
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	58
4	Heptacosane	380	C27H56	000593-49-7	53
5	Hentriacontane	437	C31H64	000630-04-6	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
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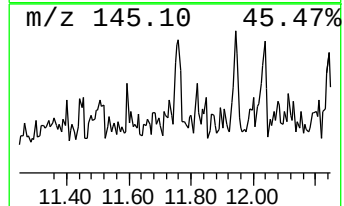
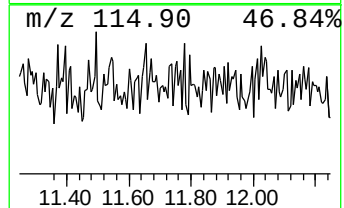
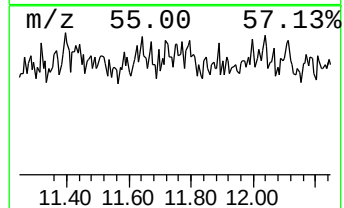
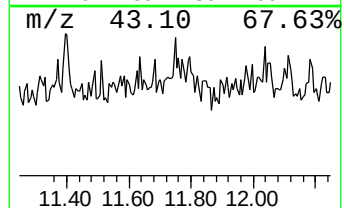
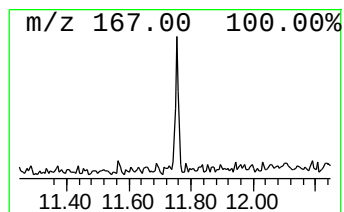
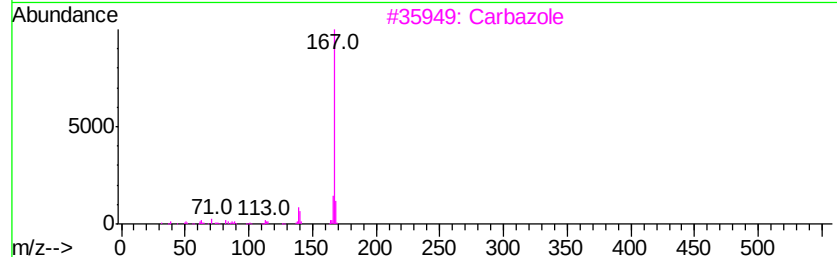
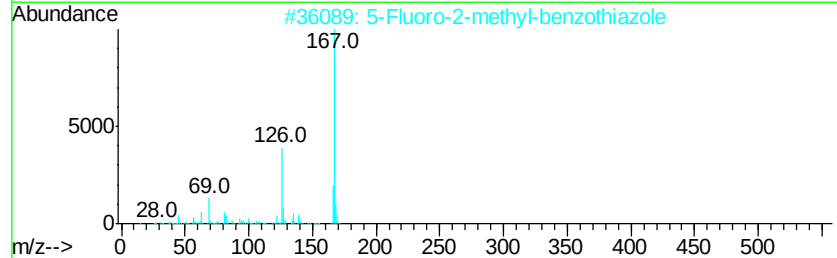
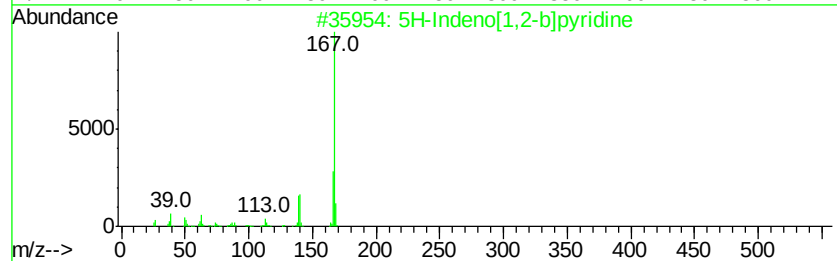
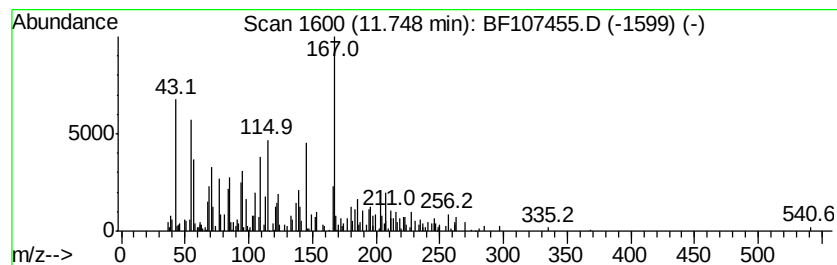
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 5H-Indeno[1,2-b]pyridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	4.59 ng	236334	Phenanthrene-d10	11.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	52
2	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	50
3	Carbazole	167	C12H9N	000086-74-8	43
4	Benzaldehyde, 2-hydroxy-5-nitro-	167	C7H5NO4	000097-51-8	40
5	4-Hydroxyimino-6-oxo-4,5,6,7-tet...	167	C6H5N3O3	333362-98-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107455.D
Acq On : 17 Jul 2018 17:52
Operator : JU/SJ
Sample : J4012-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FS-RT-4917

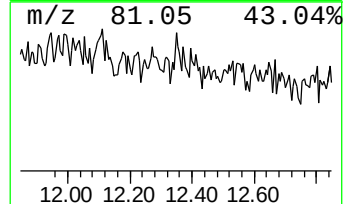
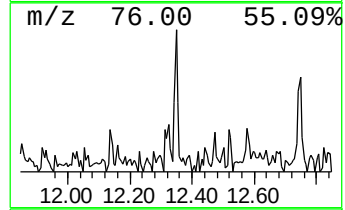
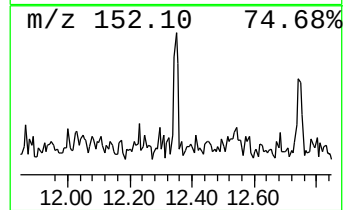
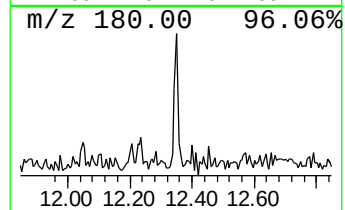
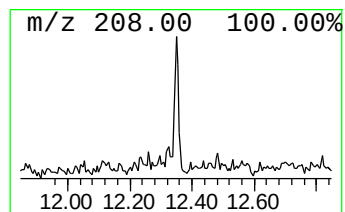
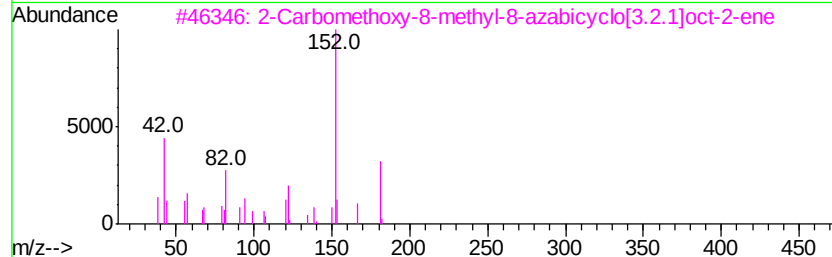
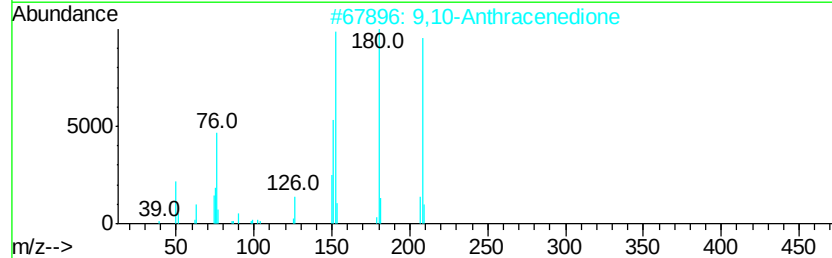
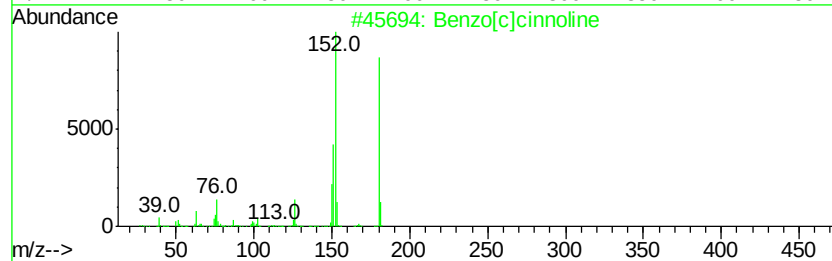
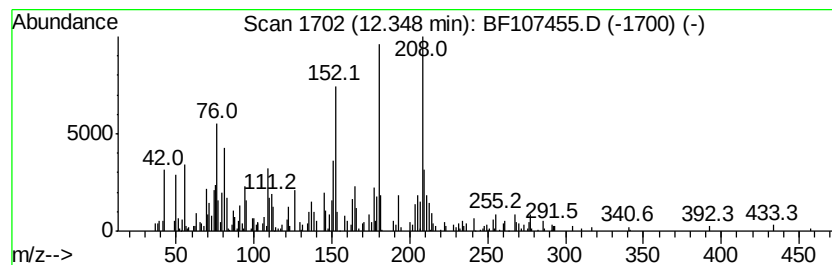
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[c]cinnoline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.85 ng	250010	Phenanthrene-d10	11.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3		2-Carbomethoxy-8-methyl-8-azabicyclo[3.2.1]oct-2-ene	181	C10H15N02	043021-26-7	53
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107455.D
Acq On : 17 Jul 2018 17:52
Operator : JU/SJ
Sample : J4012-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

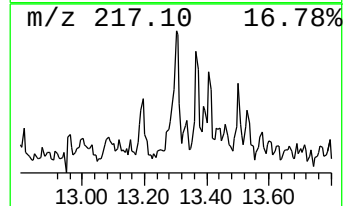
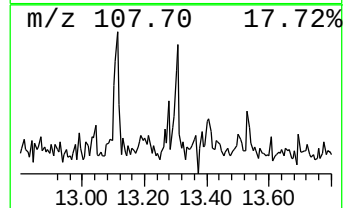
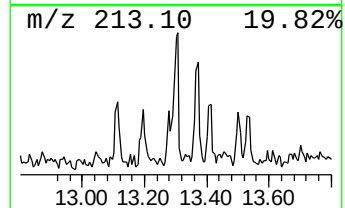
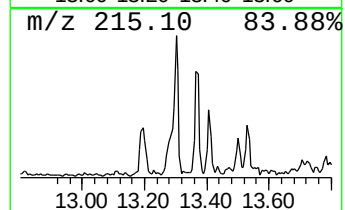
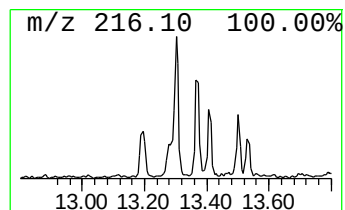
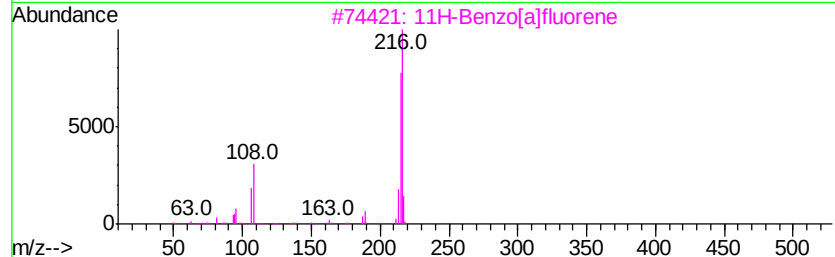
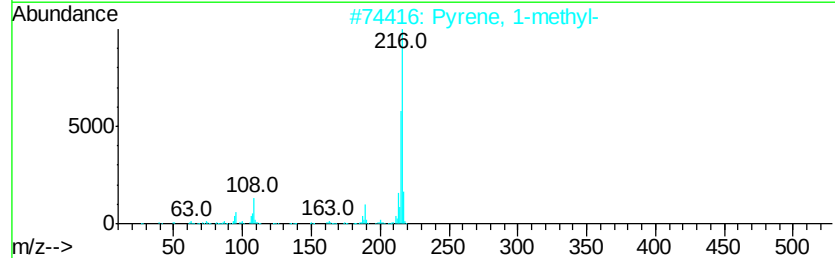
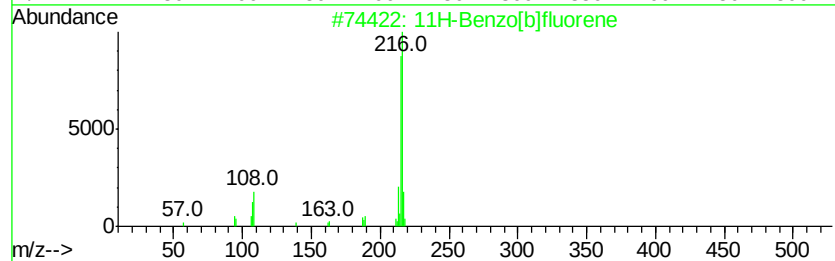
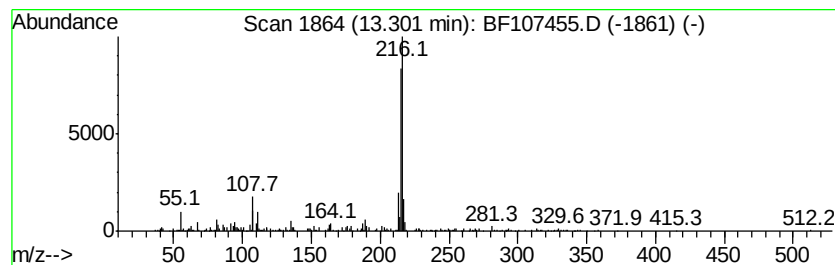
Instrument :
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.30	4.12 ng	446621	Chrysene-d12		14.18	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
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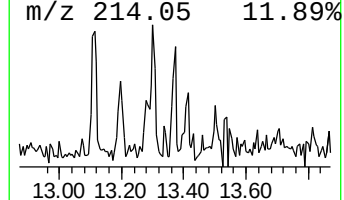
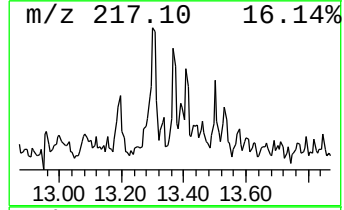
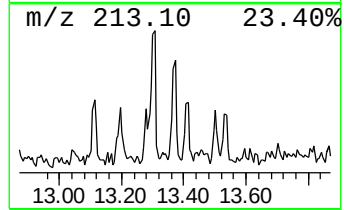
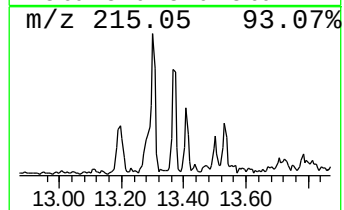
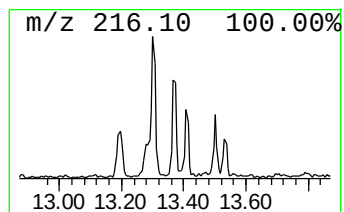
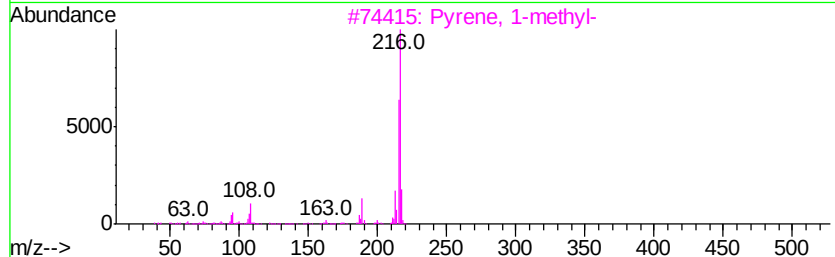
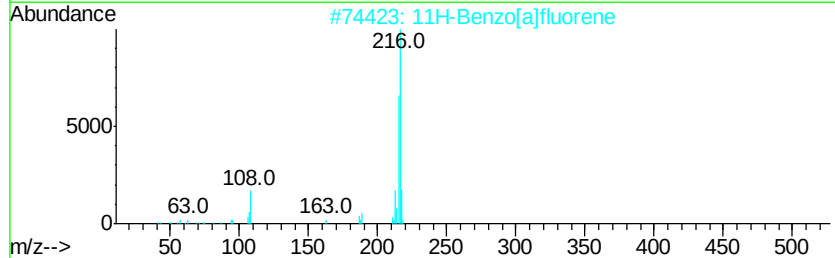
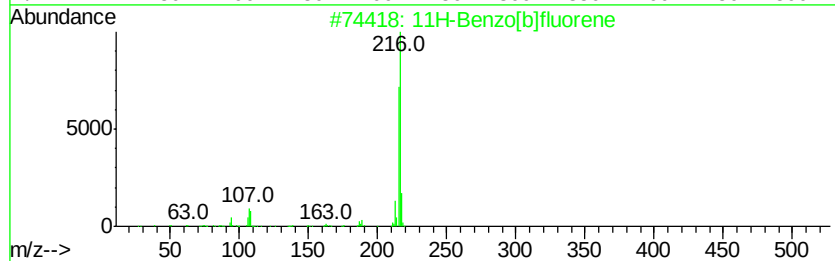
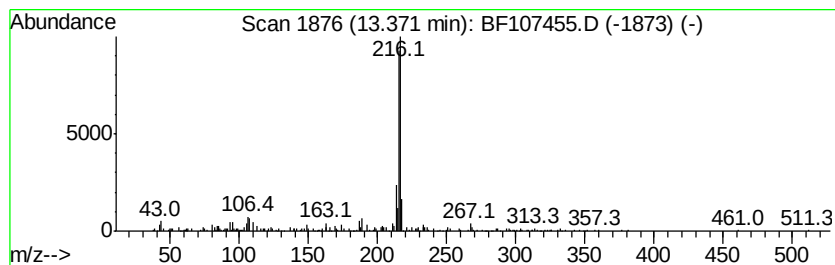
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.61 ng	282924	Chrysene-d12	14.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 74
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 72
4		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64
5		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107455.D
Acq On : 17 Jul 2018 17:52
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ClientSampleId :
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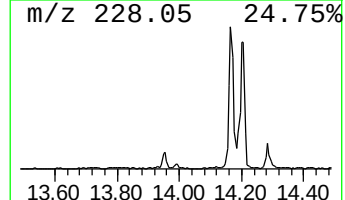
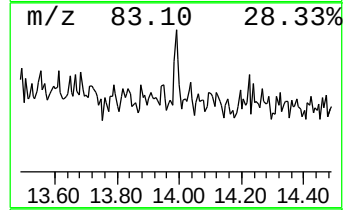
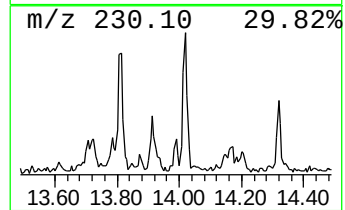
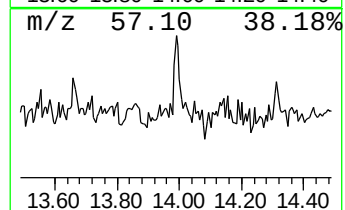
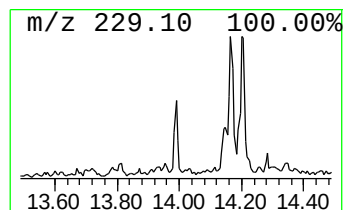
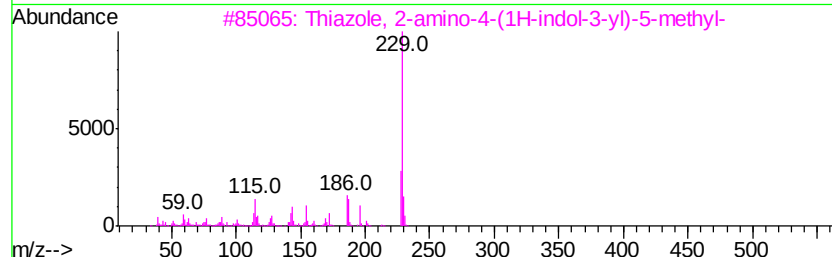
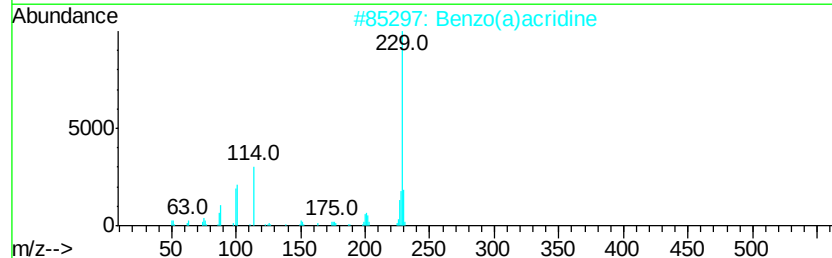
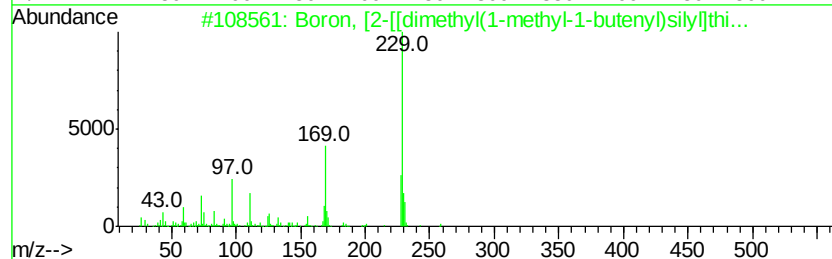
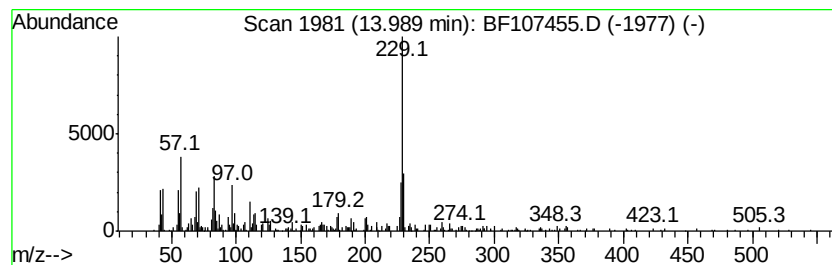
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Boron, [2-[[dimethyl(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	3.43 ng	371813	Chrysene-d12	14.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Boron, [2-[[dimethyl(1-methyl-1-...	258	C11H23BS2Si	127855-37-2	64
2		Benzo(a)acridine	229	C17H11N	000225-11-6	58
3		Thiazole, 2-amino-4-(1H-indol-3-...	229	C12H11N3S	1000304-18-3	58
4		Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	50
5		Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107455.D
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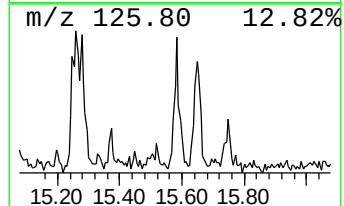
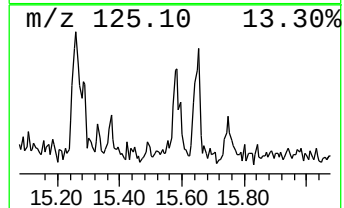
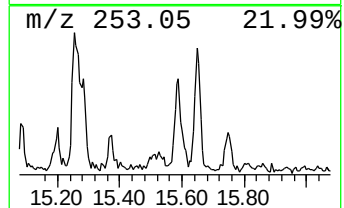
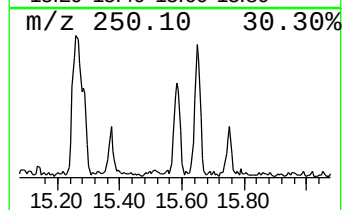
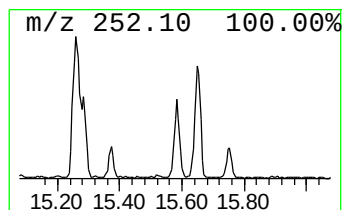
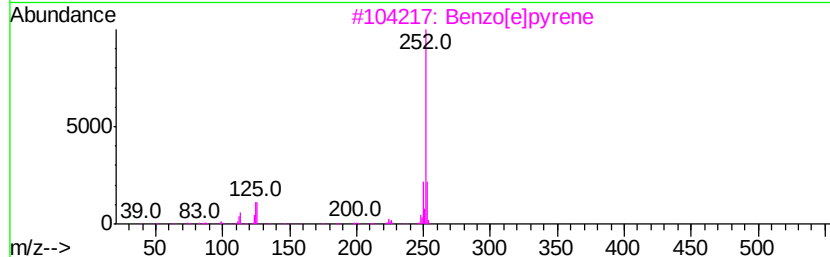
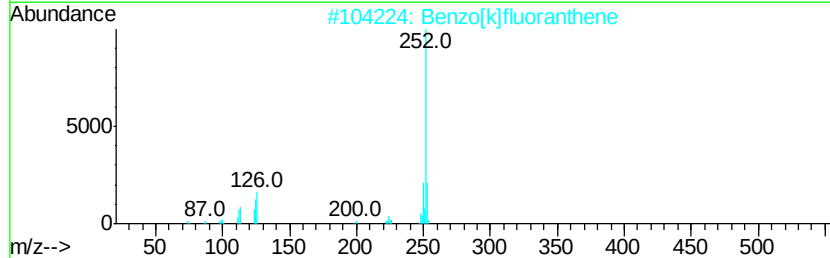
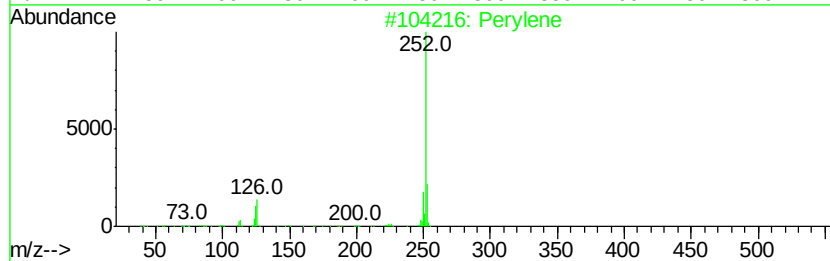
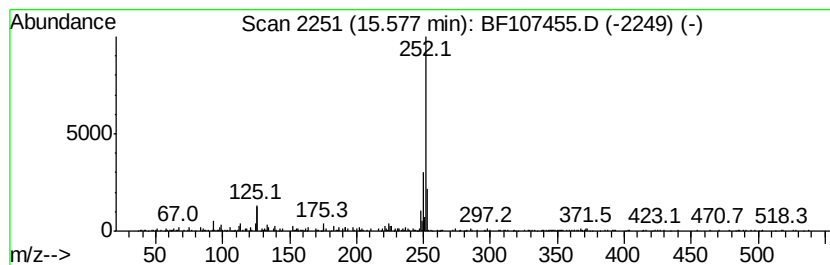
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	17.15 ng	559313	Perylene-d12	15.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	89
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3		Benzo[e]pyrene	252	C20H12	000192-97-2	89
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	76
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
 Data File : BF107455.D
 Acq On : 17 Jul 2018 17:52
 Operator : JU/SJ
 Sample : J4012-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-RT-4917

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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
Propane, 1,1-dipr...	5.22	7.2 ng		357991	1	6.98	990738	20.0
unknown6.75	6.75	53.1 ng		2631420	1	6.98	990738	20.0
unknown9.27	9.67	2.3 ng		136883	3	10.03	1199200	20.0
Biphenylene	9.89	3.3 ng		200297	3	10.03	1199200	20.0
unknown10.94	10.94	4.9 ng		254295	4	11.52	1030890	20.0
Hexacosane	11.40	5.2 ng		268618	4	11.52	1030890	20.0
5H-Indeno[1,2-b]p...	11.75	4.6 ng		236334	4	11.52	1030890	20.0
Benzo[c]cinnoline	12.35	4.8 ng		250010	4	11.52	1030890	20.0
11H-Benzo[b]fluorene	13.30	4.1 ng		446621	5	14.18	2167070	20.0
11H-Benzo[a]fluorene	13.37	2.6 ng		282924	5	14.18	2167070	20.0
Boron, [2-[[dimet...	13.99	3.4 ng		371813	5	14.18	2167070	20.0
Perylene	15.58	17.1 ng		559313	6	15.72	652445	20.0