

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108358.D
 Acq On : 22 Aug 2018 00:47
 Operator : JU/SJ
 Sample : J4271-13 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-C

Manual Integrations
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Quant Time: Aug 22 01:56:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	170106	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	635413	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	287295	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	470031	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	383669	20.00	ng	-0.02
86) Perylene-d12	15.75	264	326216	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	86227	9.18	ng	-0.01
7) Phenol-d6	6.61	99	121105	9.70	ng	-0.02
23) Nitrobenzene-d5	7.56	82	74072	6.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	21612	7.54	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	140890	7.87	ng	-0.02
78) Terphenyl-d14	13.12	244	106239	7.04	ng	-0.02
Target Compounds						
70) Phenanthrene	11.57	178	67796	3.058	ng	99
74) Fluoranthene	12.77	202	153307	6.336	ng	93
77) Pyrene	12.99	202	132704	5.463	ng	99
80) Benzo(a)anthracene	14.18	228	79508	3.611	ng	99
82) Chrysene	14.22	228	65163	3.228	ng	97
87) Benzo(b)fluoranthene	15.28	252	86115m	4.418	ng	
89) Benzo(a)pyrene	15.68	252	53188	3.047	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

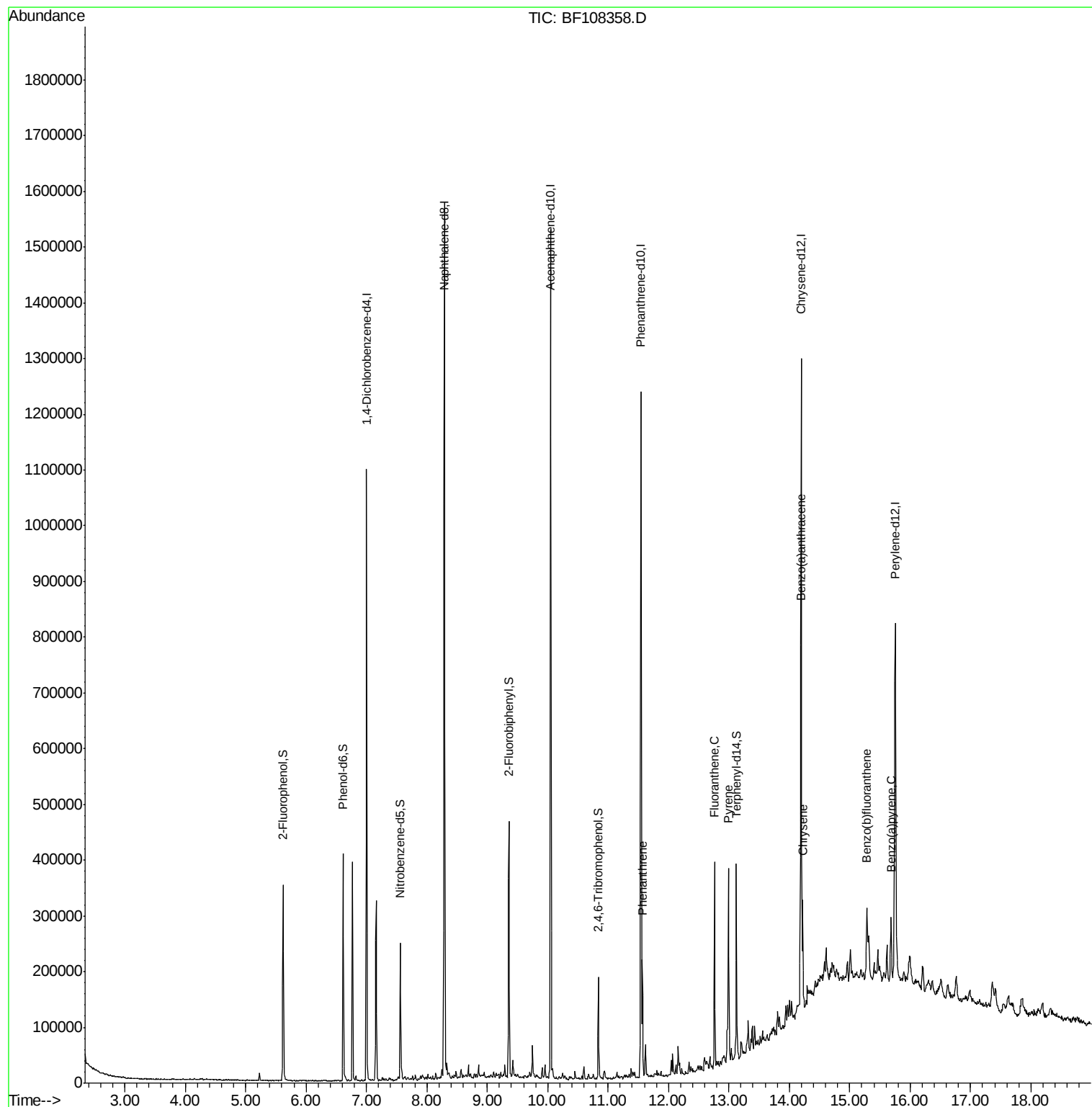
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

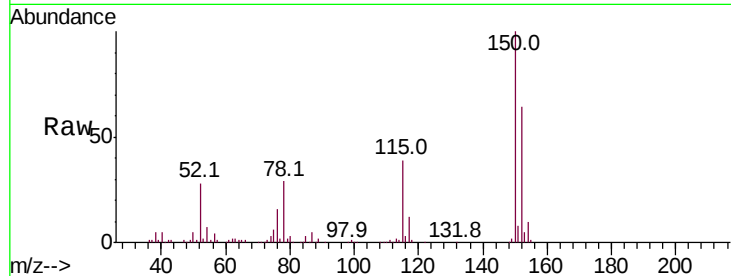
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.8	50.1	75.1

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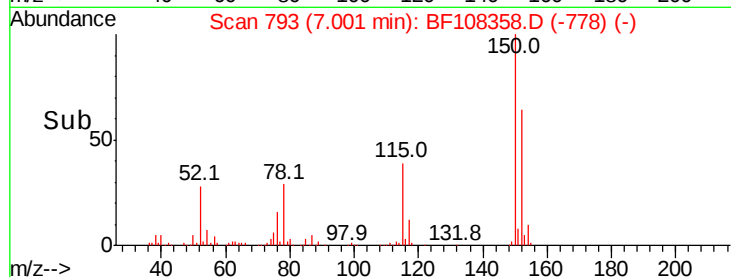
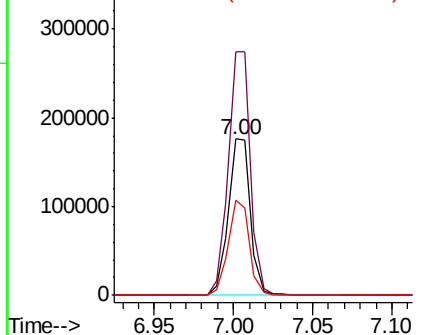


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.177 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

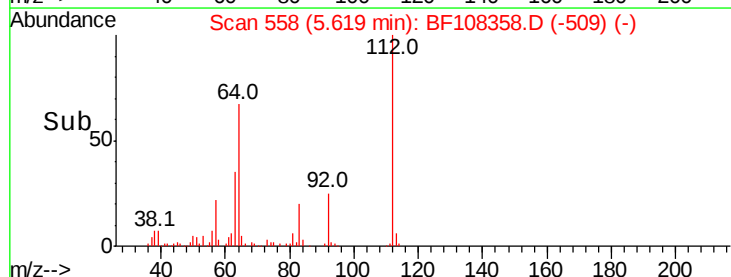
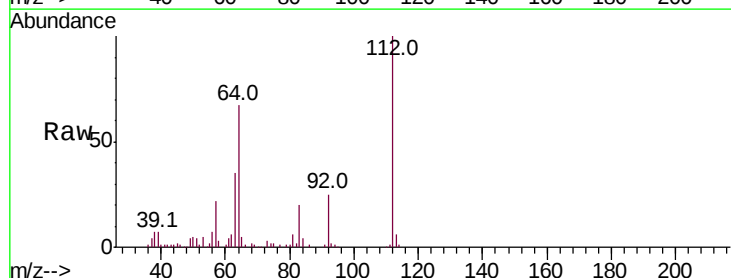
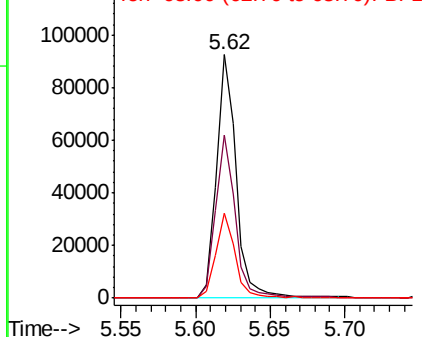
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	35.1	23.7	35.5

Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 9.699 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

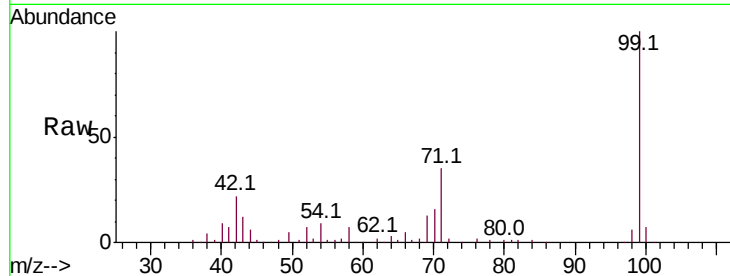
ClientSampleId :

HR-06-082018-C

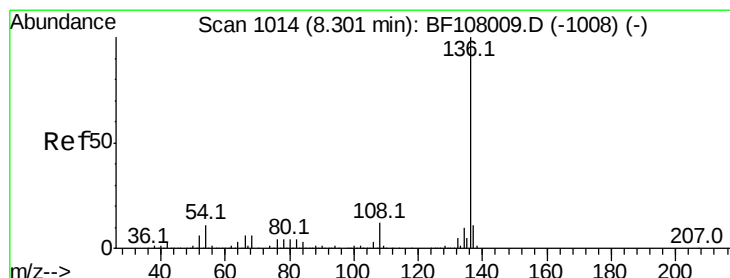
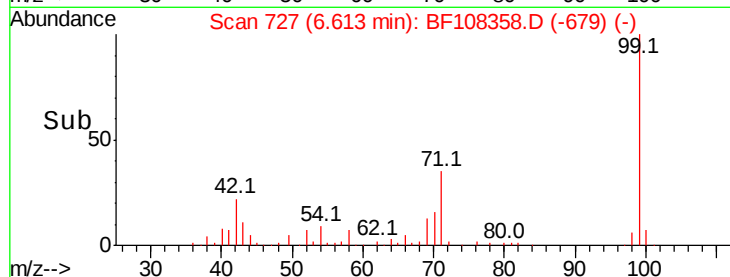
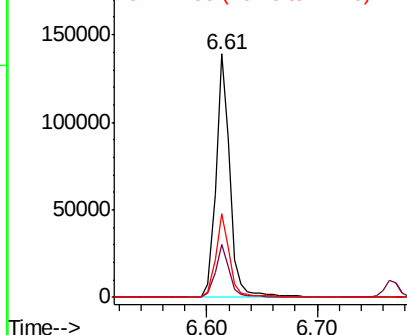
Tot Ion:	99	Resp:	121105
Ion	Ratio	Lower	Upper
99	100		
42	21.7	14.5	21.7
71	34.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

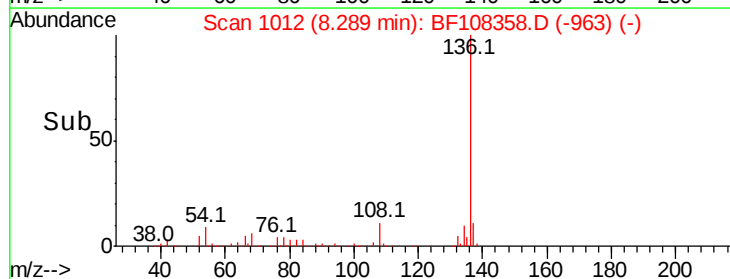
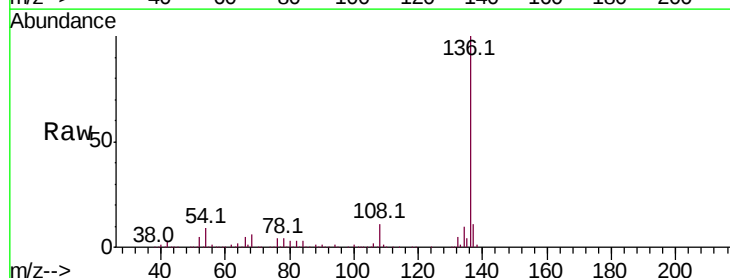
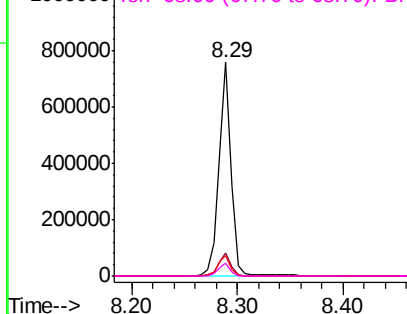
Delta R.T. -0.01 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Tgt Ion:	136	Resp:	635413
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.4	6.6	9.8
68	6.0	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





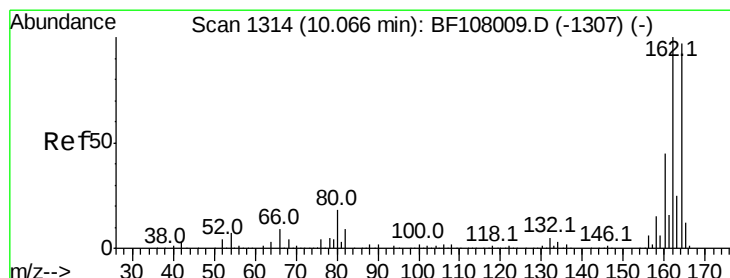
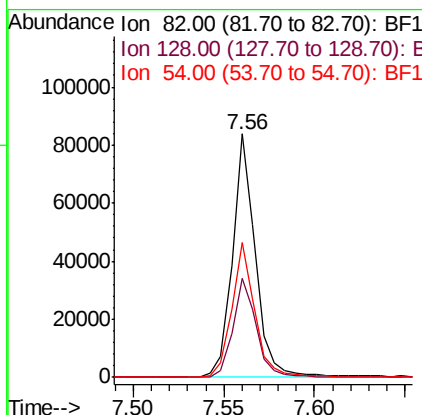
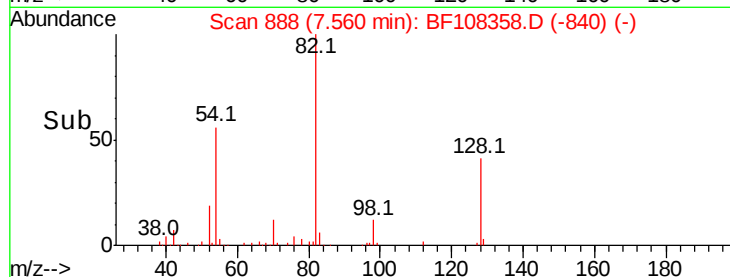
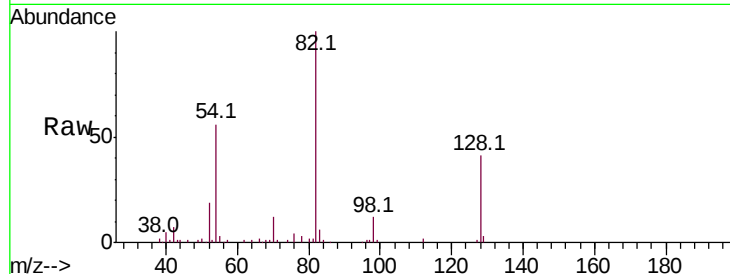
#23
 Nitrobenzene-d5
 Concen: 6.505 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:	82	Resp:	74072
Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	55.6	41.4	62.2

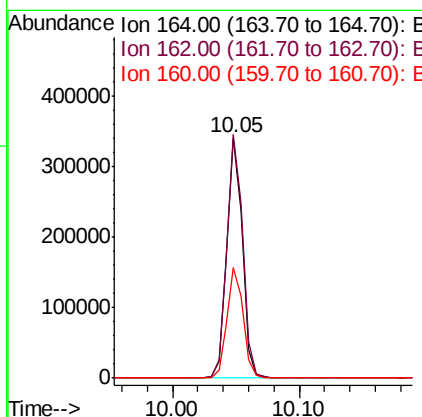
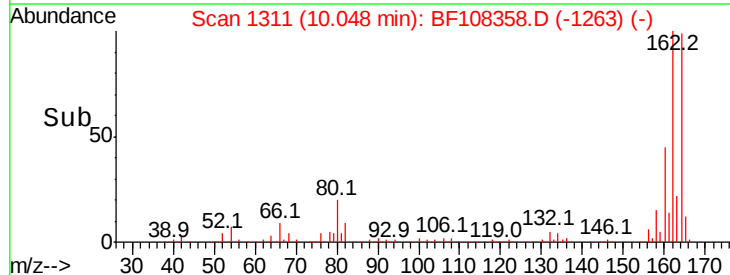
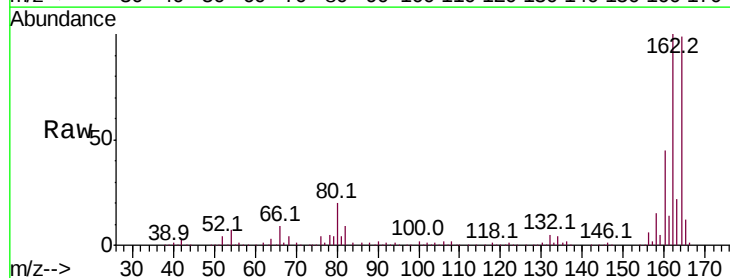
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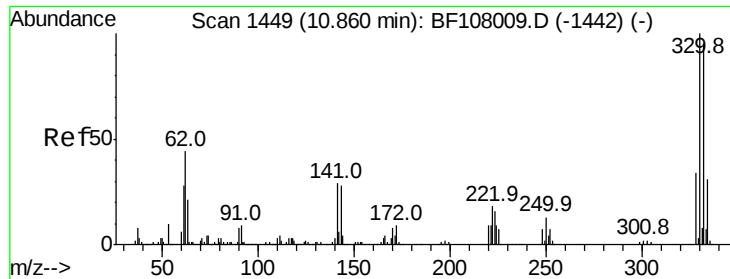
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Tgt Ion:	164	Resp:	287295
Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	45.9	38.3	57.5





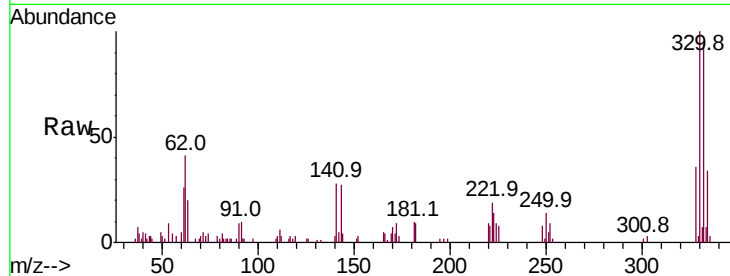
#41
 2,4,6-Tribromophenol
 Concen: 7.542 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-C

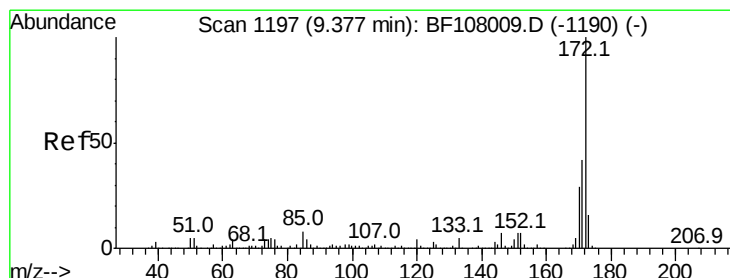
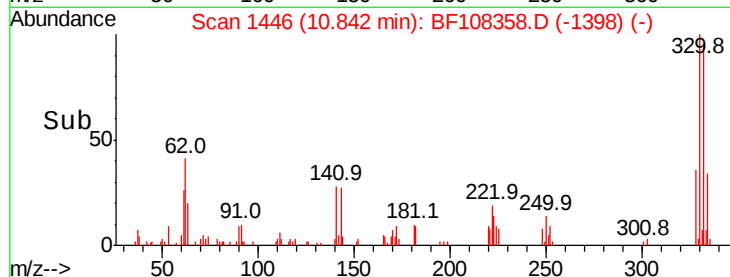
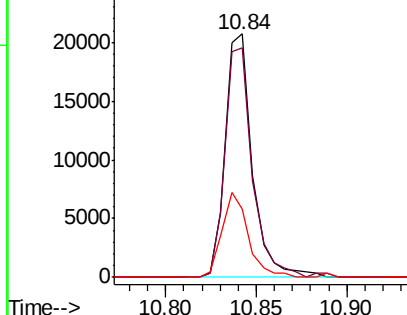
Tot Ion	Ratio	Resp	Lower	Upper
330	100	21612		
332	94.8	77.0	115.6	
141	33.8	29.9	44.9	

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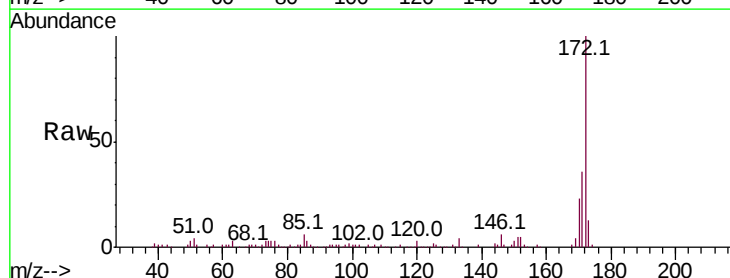


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

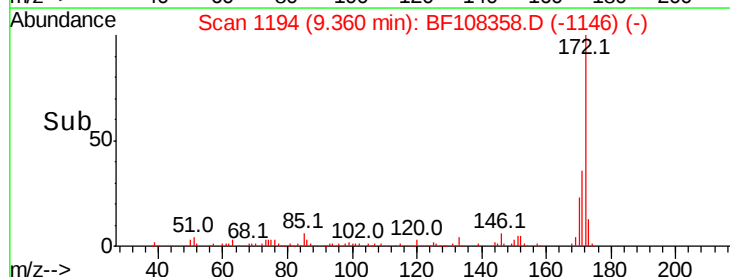
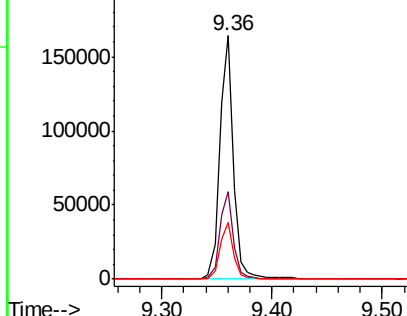


#44
 2-Fluorobiphenyl
 Concen: 7.873 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	140890		
171	36.0	29.7	44.5	
170	23.4	19.6	29.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





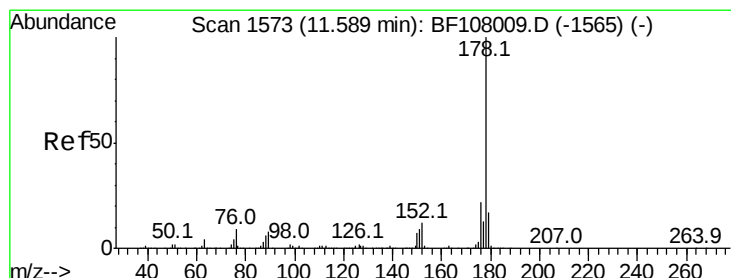
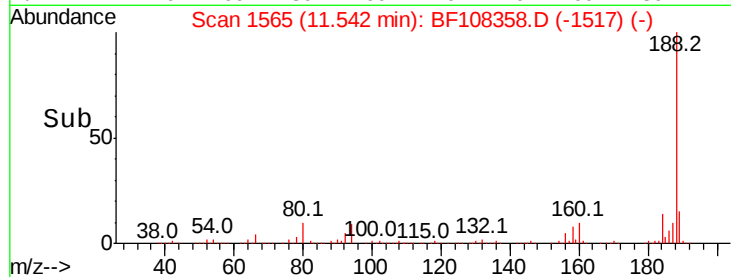
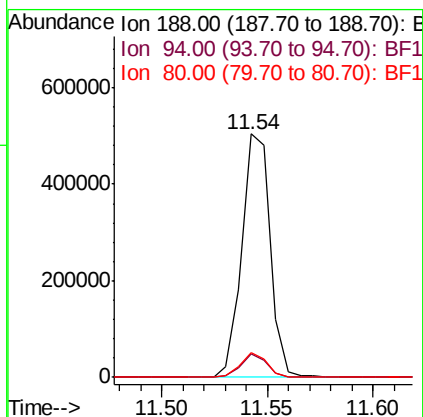
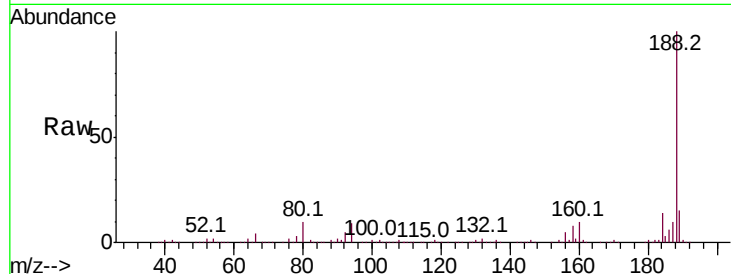
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	470031		
94	9.4		8.5	12.7
80	10.3		9.2	13.8

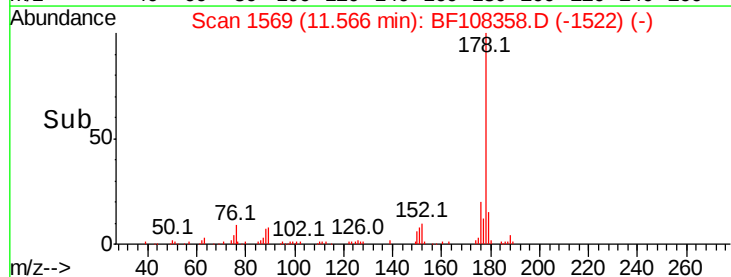
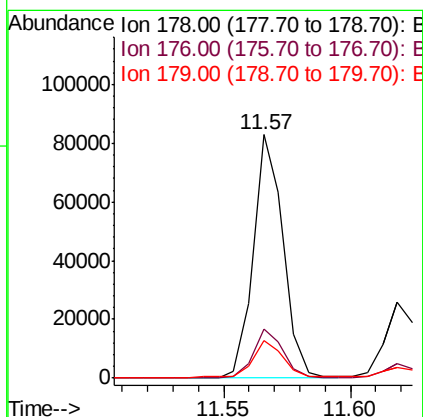
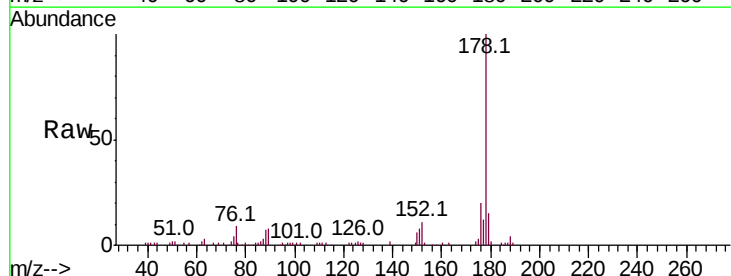
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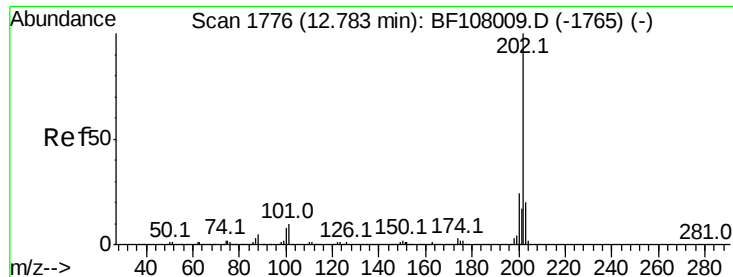
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#70
Phenanthrene
Concen: 3.058 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	67796		
176	20.1		15.8	23.8
179	15.3		13.0	19.6





#74

Fluoranthene

Concen: 6.336 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

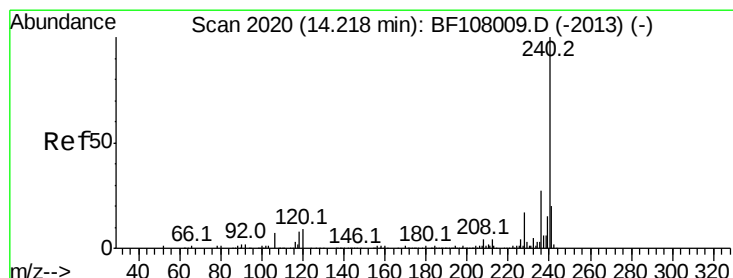
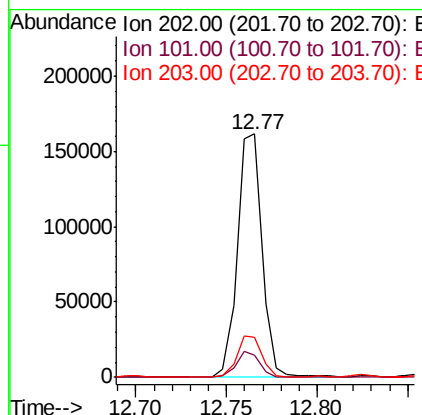
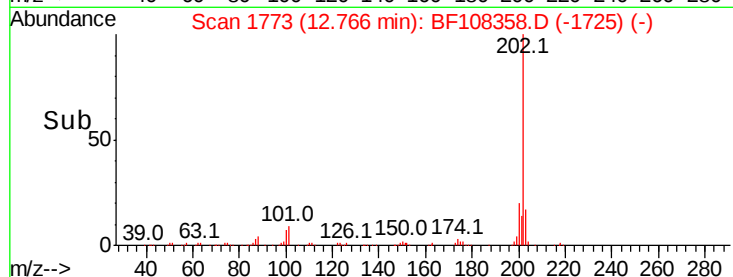
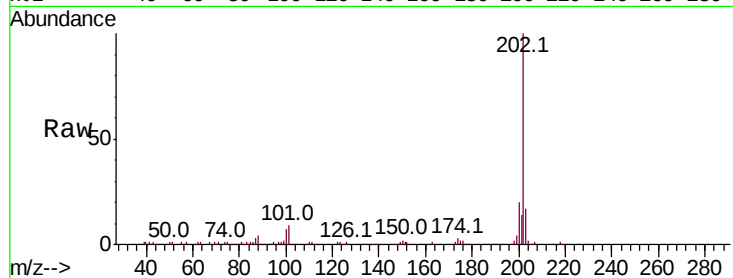
ClientSampleId :

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Tot Ion:	202	Resp:	153307
Ion Ratio		Lower	Upper
202	100		
101	9.0	0.0	34.1
203	16.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

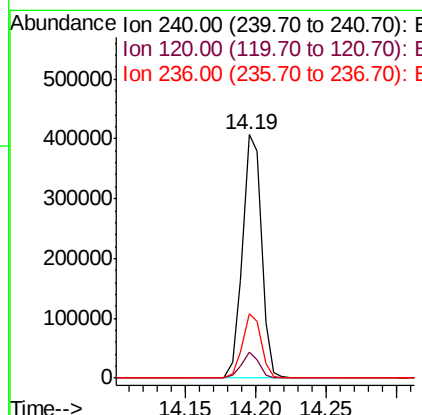
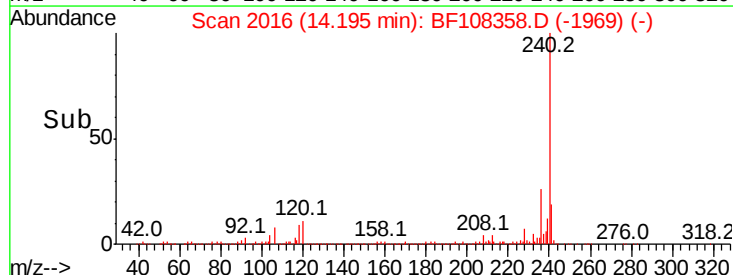
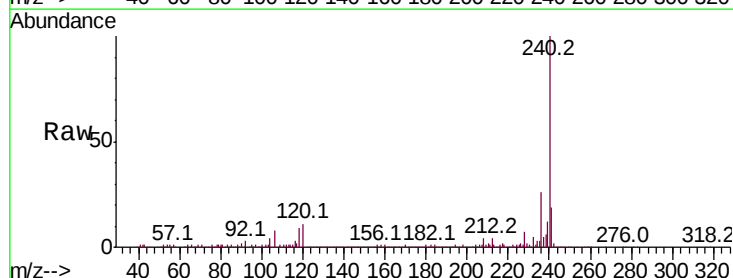
RT: 14.19 min Scan# 2016

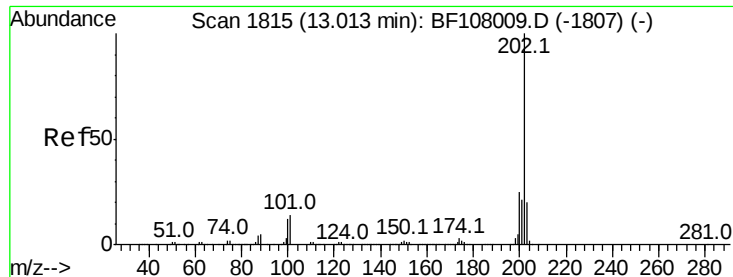
Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Tgt Ion:	240	Resp:	383669
Ion Ratio		Lower	Upper
240	100		
120	10.7	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 5.463 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108358.D

Acq: 22 Aug 2018 00:47

Instrument :

BNA_F

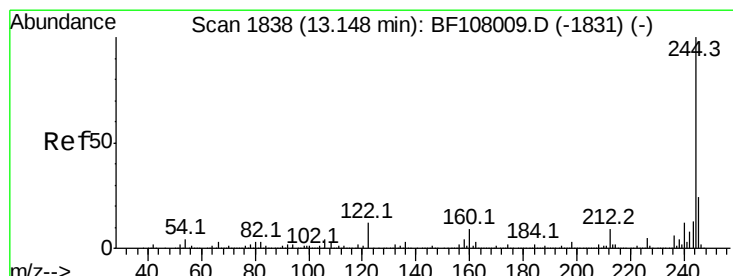
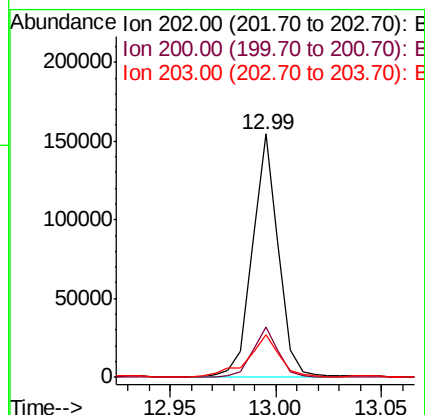
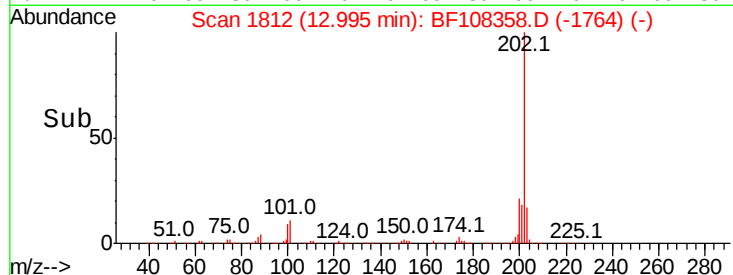
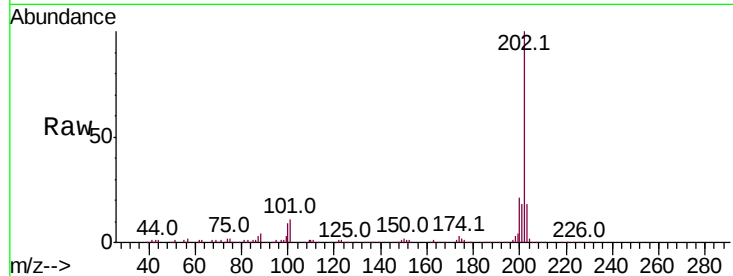
ClientSampleId :

HR-06-082018-C

Tot Ion:	202	Resp:	132704
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 7.040 ng

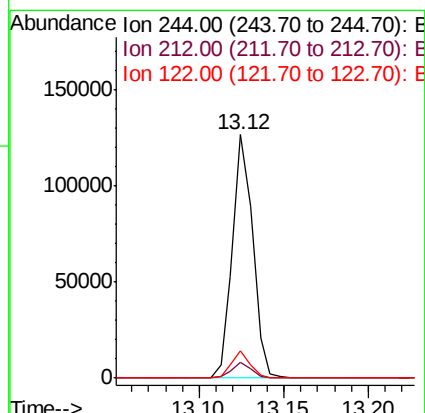
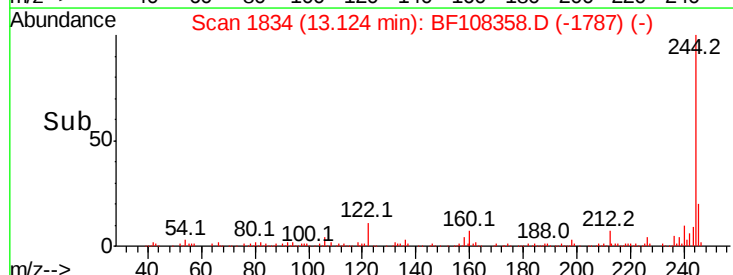
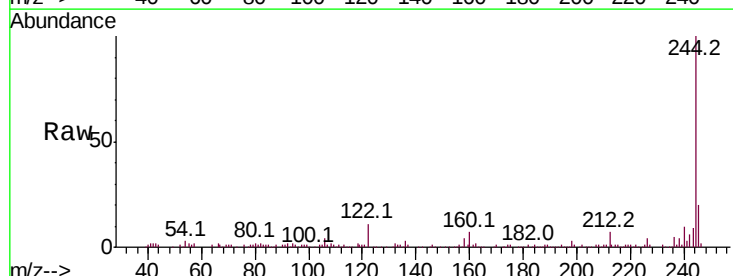
RT: 13.12 min Scan# 1834

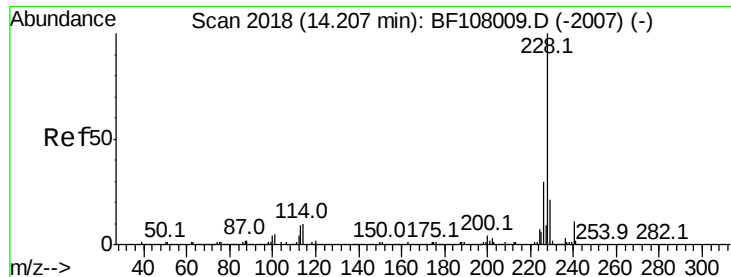
Delta R.T. -0.02 min

Lab File: BF108358.D

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Tgt Ion:	244	Resp:	106239
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.0	11.0	16.4





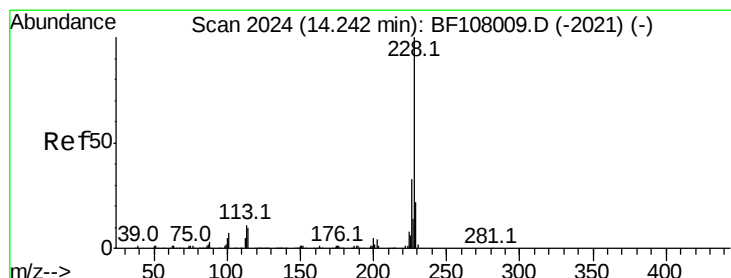
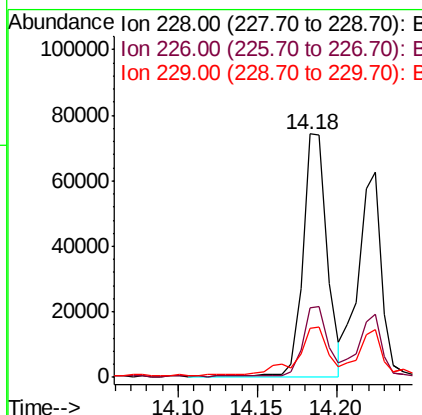
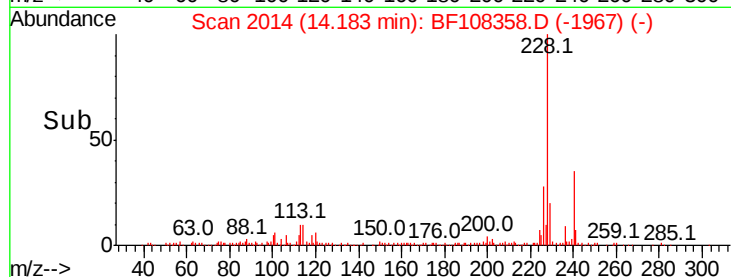
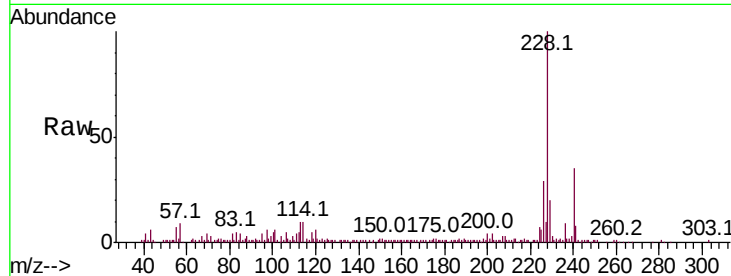
#80
Benzo(a)anthracene
Concen: 3.611 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.3	15.8	23.6

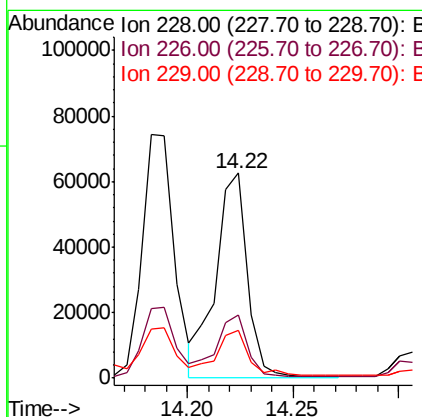
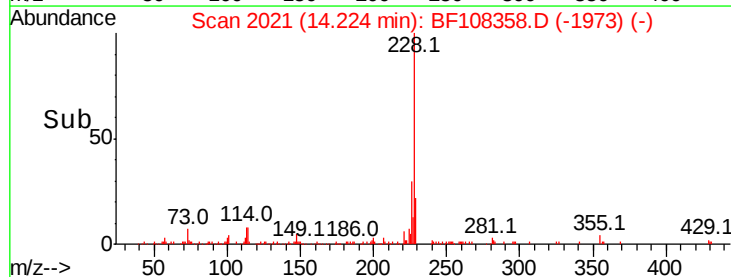
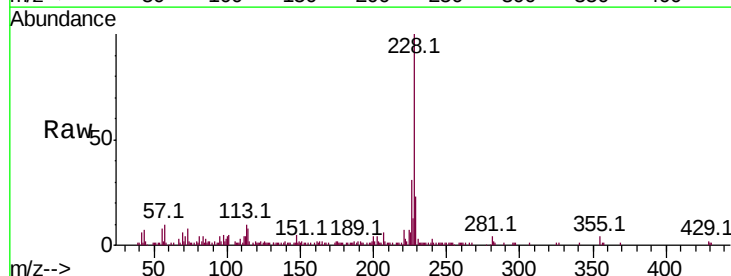
Manual Integrations
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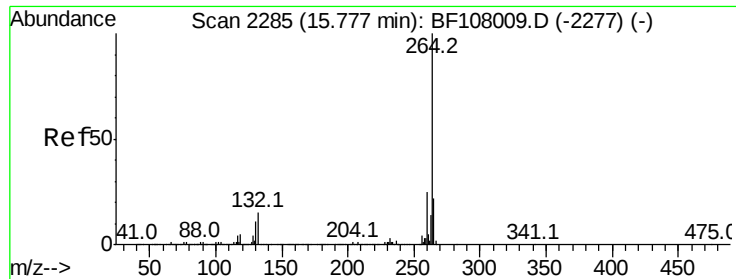
Sohil
8/22/2018 4:03:18 PM



#82
Chrysene
Concen: 3.228 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	23.5	16.2	24.4





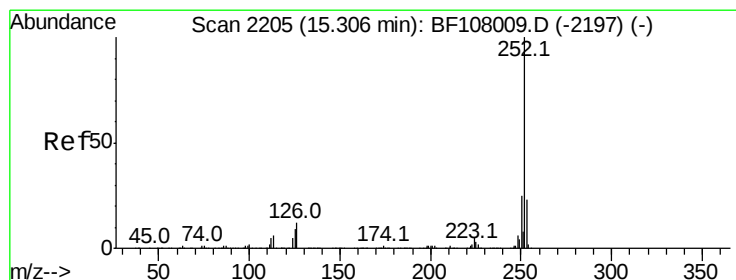
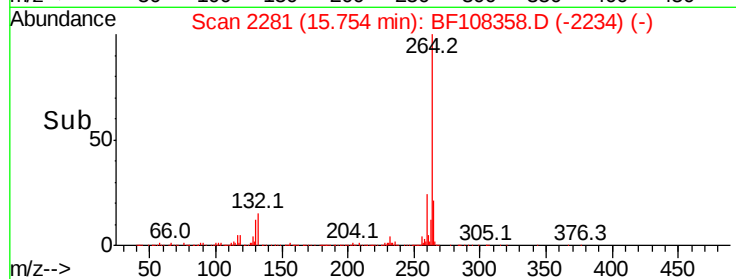
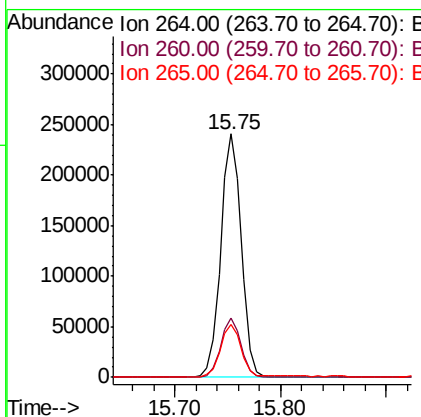
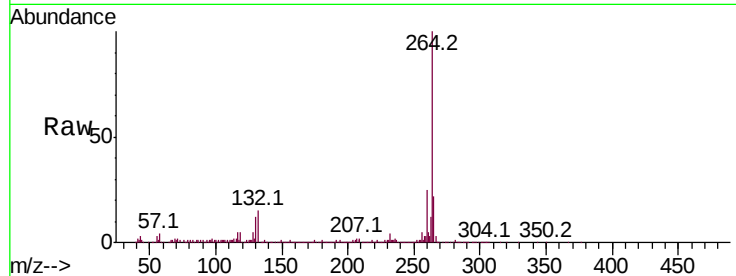
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.8	17.5	26.3

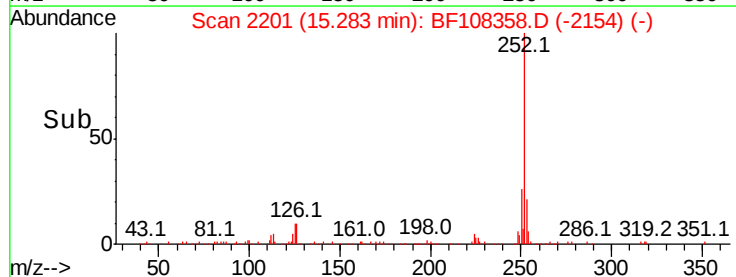
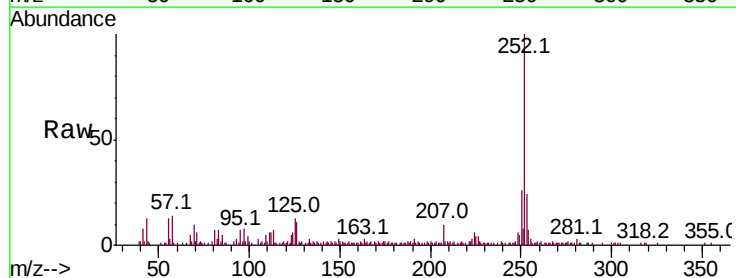
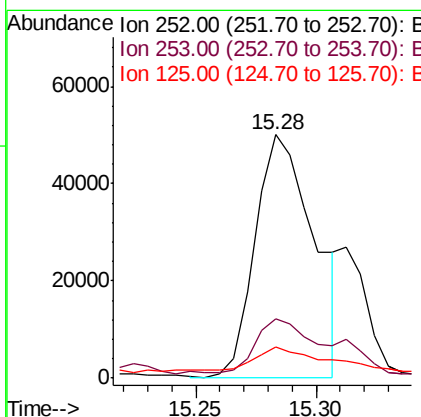
Manual Integrations
APPROVED

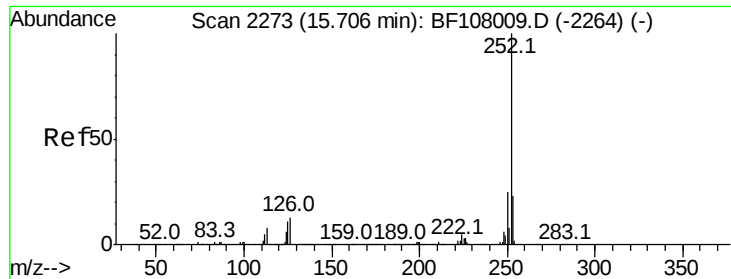
Sohil
8/22/2018 4:03:18 PM



#87
Benzo(b)fluoranthene
Concen: 4.418 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108358.D
Acq: 22 Aug 2018 00:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	12.8	9.0	13.6





#89
 Benzo(a)pyrene
 Concen: 3.047 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF108358.D
 Acq: 22 Aug 2018 00:47

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	11.8	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 8/22/2018 4:03:18 PM

