

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
 Data File : BF110382.D
 Acq On : 1 Nov 2018 21:55
 Operator : JU/SJ
 Sample : J5200-17 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-103118-A

Manual Integrations
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Quant Time: Nov 02 05:15:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	59314	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	206811	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	80554	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	158813	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180510	20.00	ng	0.00
87) Perylene-d12	15.66	264	138458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	62624	17.19	ng	0.00
7) Phenol-d6	6.57	99	75101	16.12	ng	-0.01
23) Nitrobenzene-d5	7.52	82	43414	12.45	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	13124	16.45	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	73814	14.39	ng	0.00
79) Terphenyl-d14	13.07	244	91950	10.59	ng	0.00
Target Compounds						
52) Acenaphthene	10.03	154	10870	2.129	ng	Qvalue 97
58) Fluorene	10.55	166	21105	3.967	ng	94
71) Phenanthrene	11.51	178	176767	21.272	ng	99
72) Anthracene	11.56	178	45683	5.485	ng	98
75) Fluoranthene	12.70	202	179658	21.303	ng	99
78) Pyrene	12.94	202	188426	14.560	ng	99
81) Benzo(a)anthracene	14.12	228	80690	7.538	ng	97
83) Chrysene	14.16	228	70545	6.938	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	18726	2.220	ng	# 91
88) Benzo(b)fluoranthene	15.20	252	56280m	7.039	ng	
89) Benzo(k)fluoranthene	15.23	252	20036m	2.549	ng	
90) Benzo(a)pyrene	15.59	252	44314	6.023	ng	# 95
92) Benzo(a,h,i)perylene	17.69	276	17881	2.858	ng	# 90

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

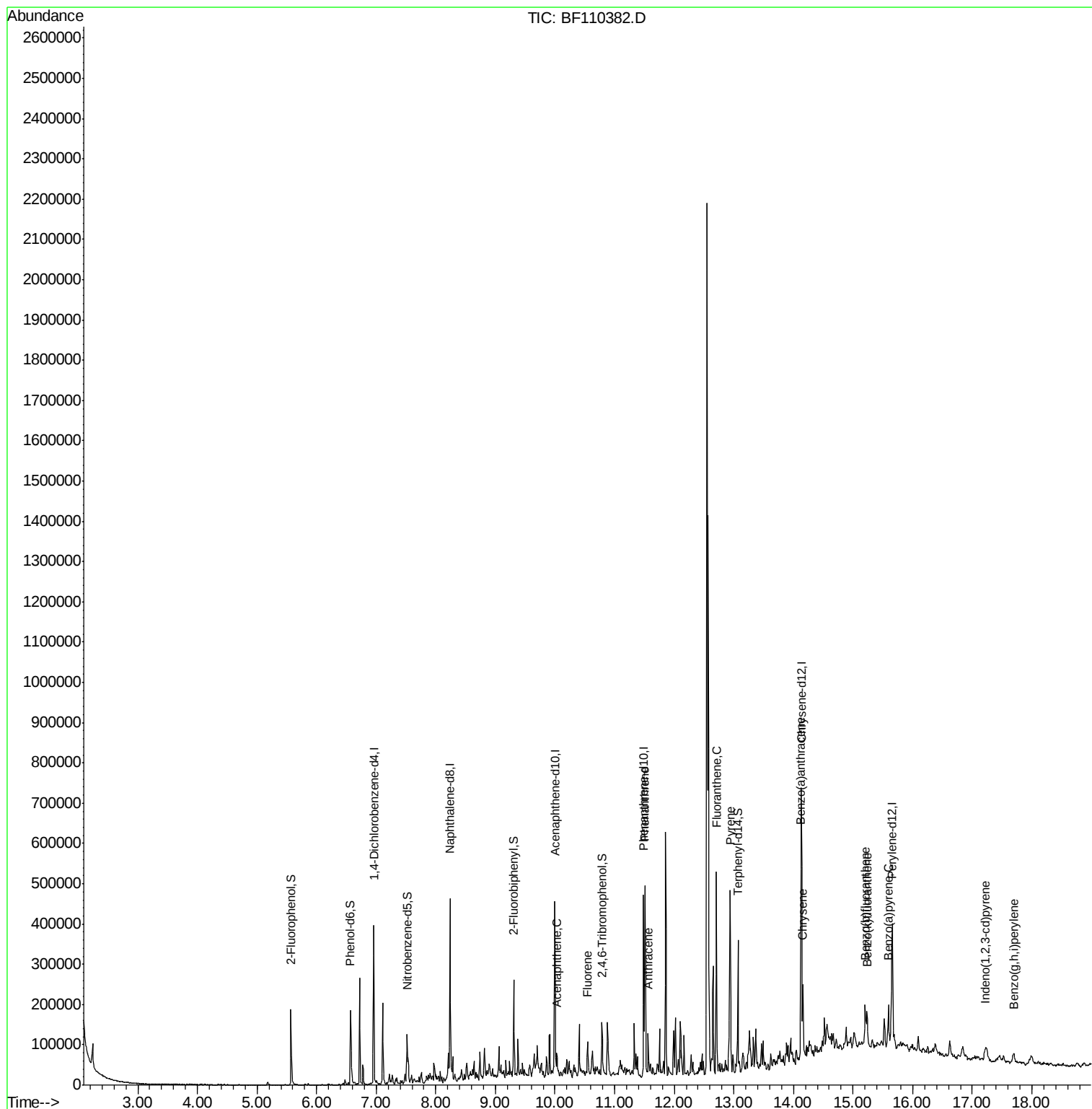
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
Data File : BF110382.D
Acq On : 1 Nov 2018 21:55
Operator : JU/SJ
Sample : J5200-17 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

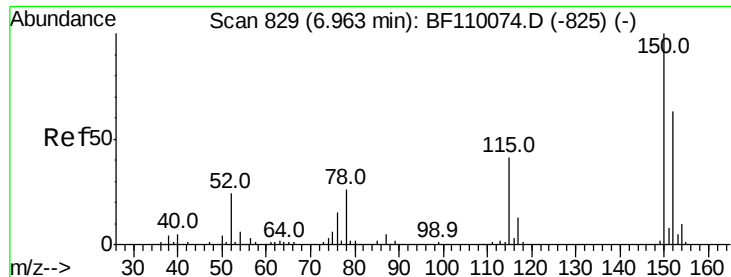
Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

Quant Time: Nov 02 05:15:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

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#1

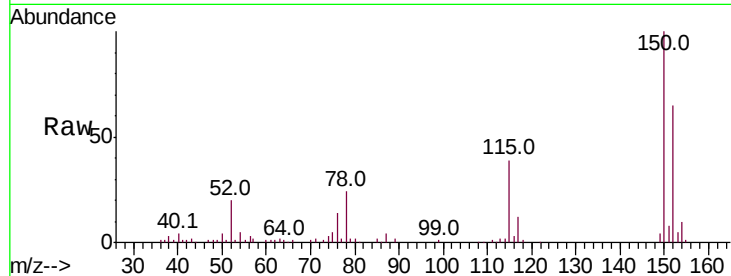
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

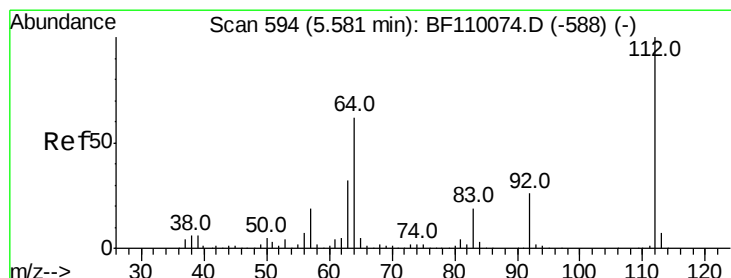
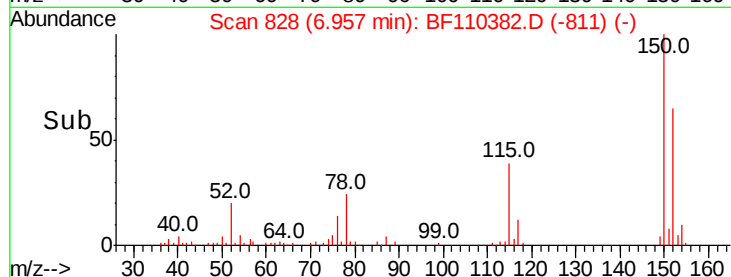
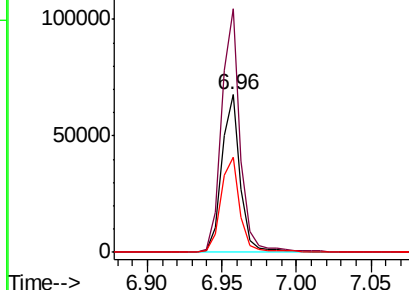
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.7	184.1
115	60.3	49.1	73.7

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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

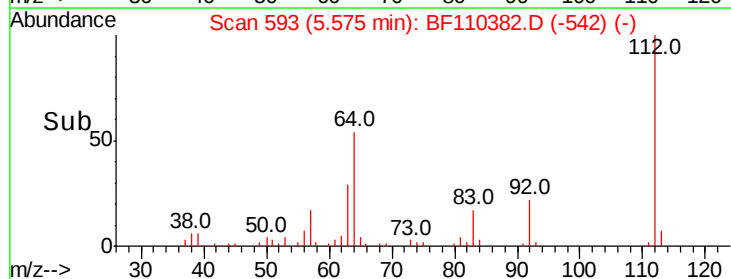
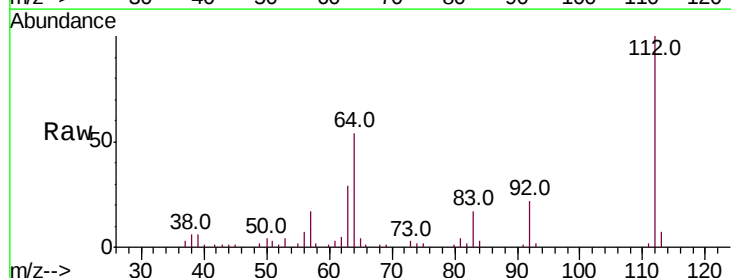
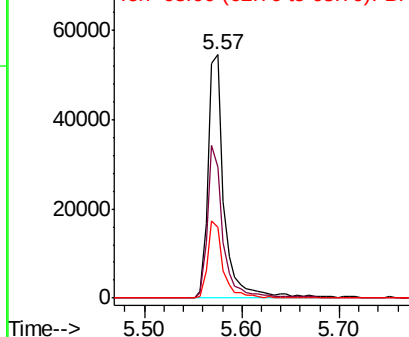


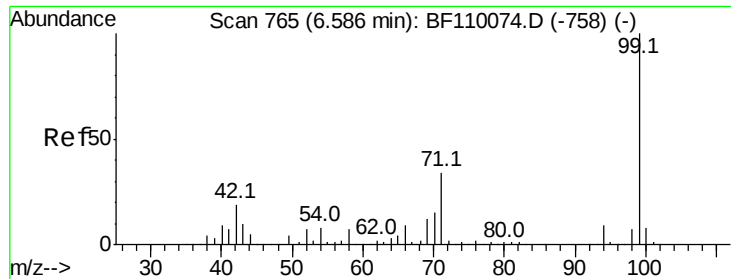
#5

2-Fluorophenol
Concen: 17.193 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.1	66.1
63	29.2	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: 16.120 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

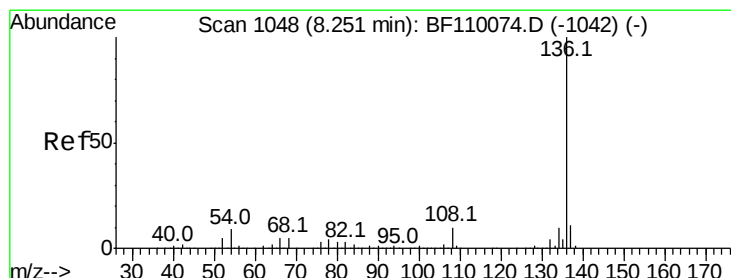
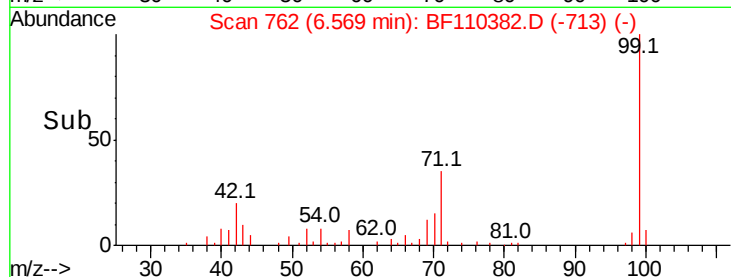
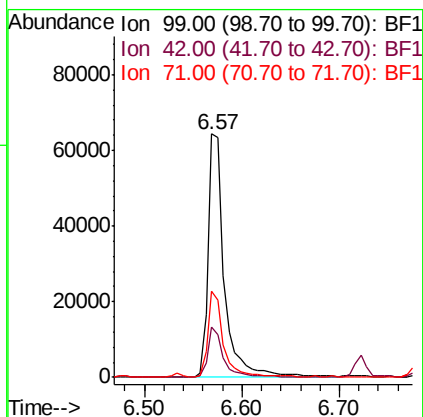
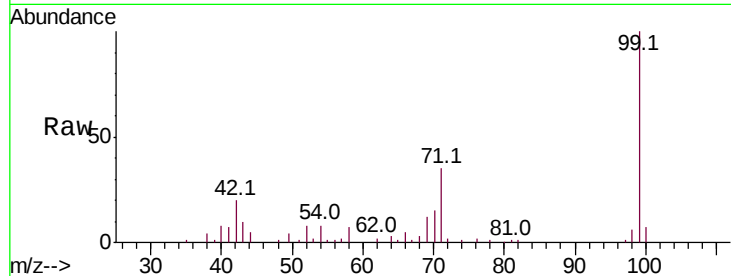
ClientSampleId :

OR-03-103118-A

Tot Ion:	99	Resp:	75101
Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.8	23.6
71	35.2	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

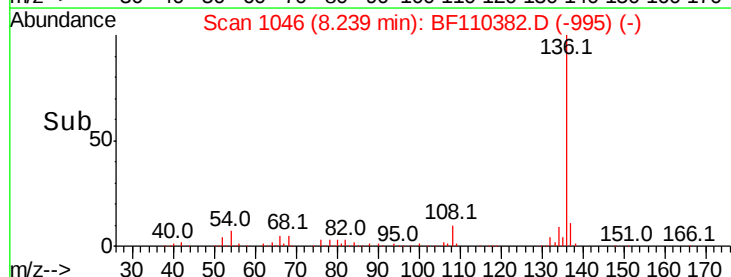
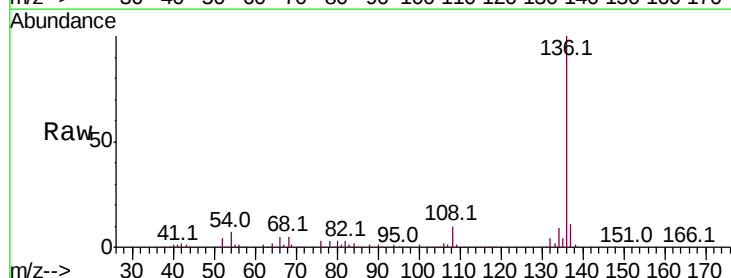
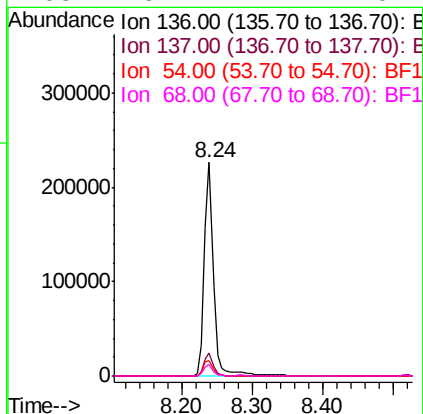
RT: 8.24 min Scan# 1046

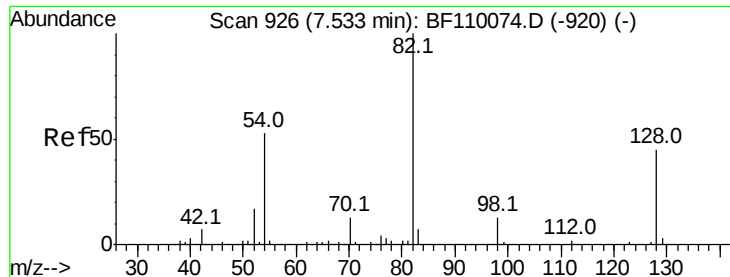
Delta R.T. 0.00 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Tgt Ion:	136	Resp:	206811
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.9	5.4	8.2
68	5.1	4.2	6.2





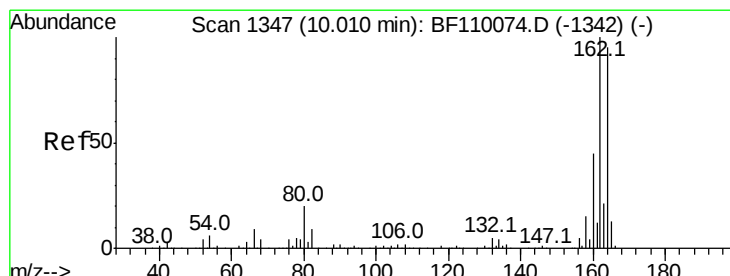
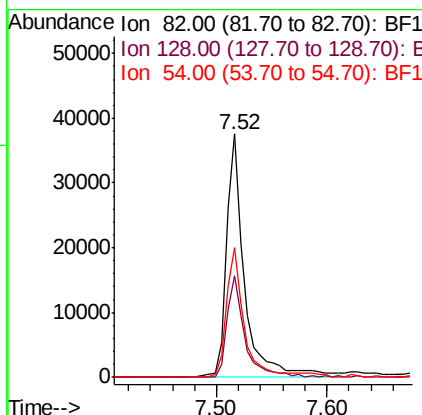
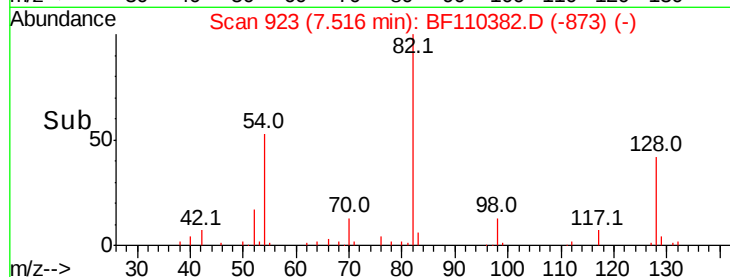
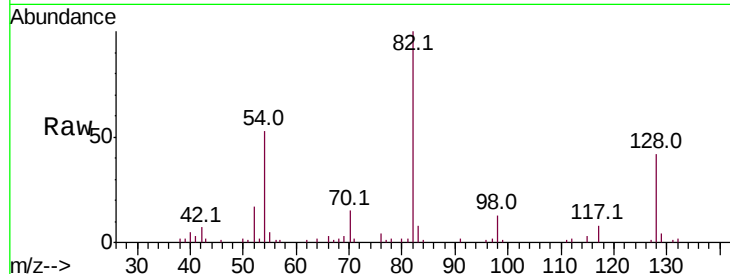
#23
Nitrobenzene-d5
Concen: 12.451 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.2	51.2
54	53.3	38.6	58.0

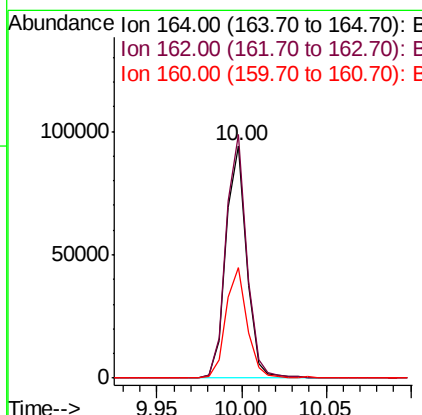
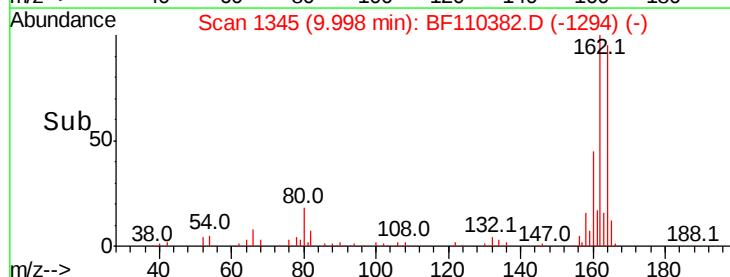
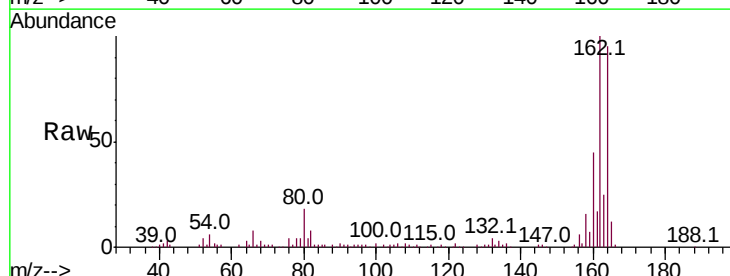
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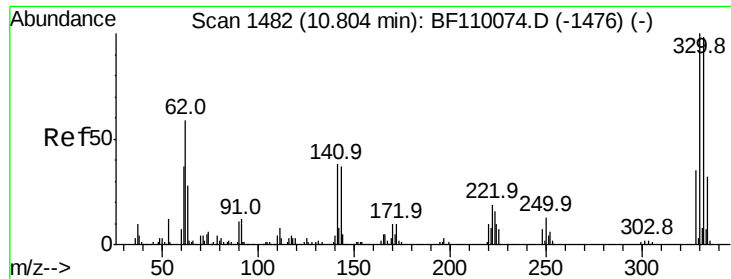
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.0	124.6
160	47.6	37.0	55.6





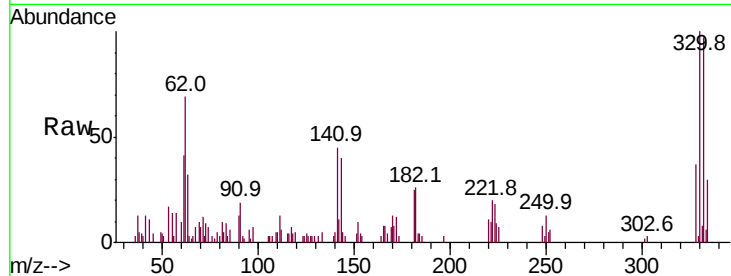
#42
 2,4,6-Tribromophenol
 Concen: 16.447 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-103118-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	52.0	27.0	40.4#

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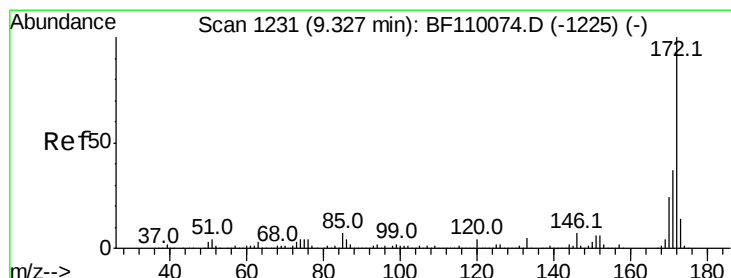
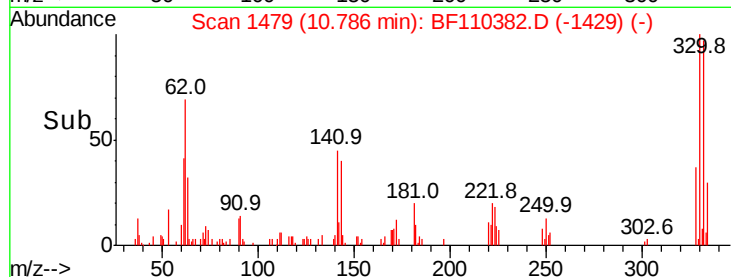
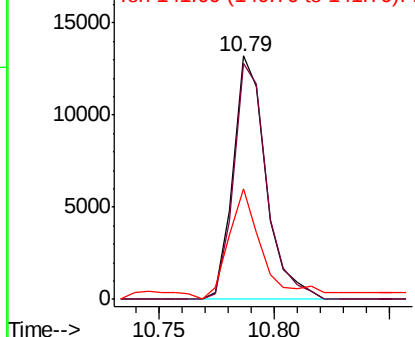


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 14.389 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

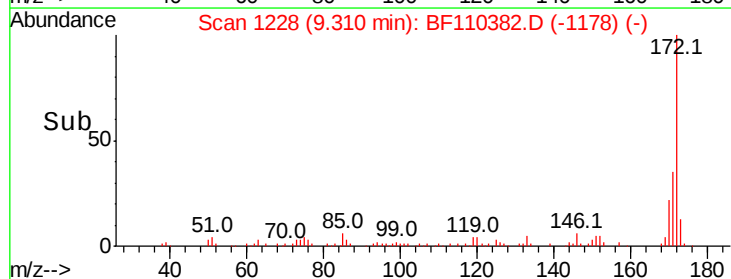
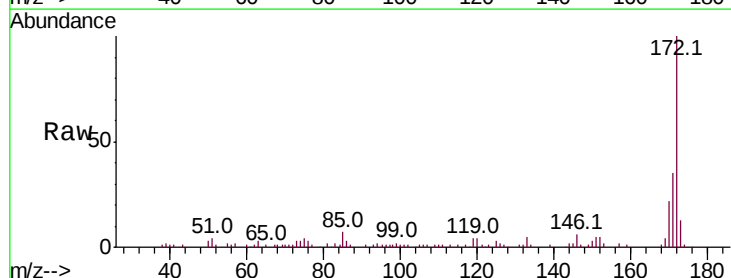
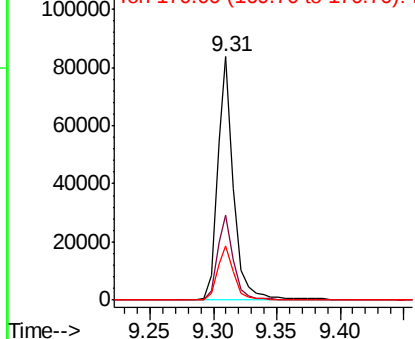
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.1	19.7	29.5

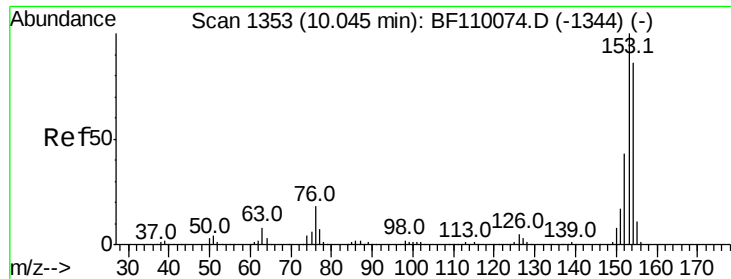
Abundance

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





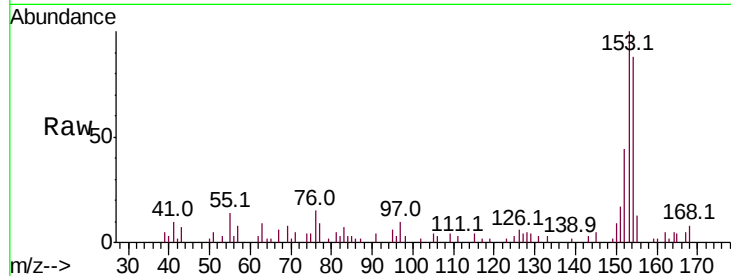
#52
Acenaphthene
Concen: 2.129 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.1	135.1
152	49.6	43.4	65.2

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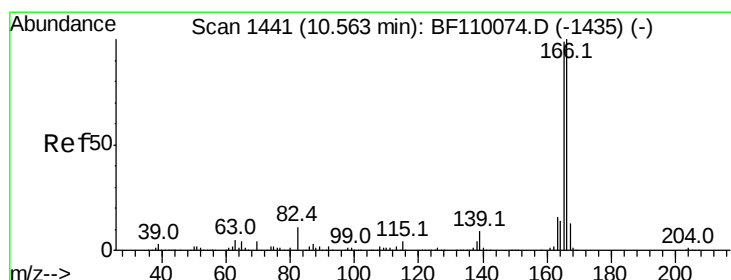
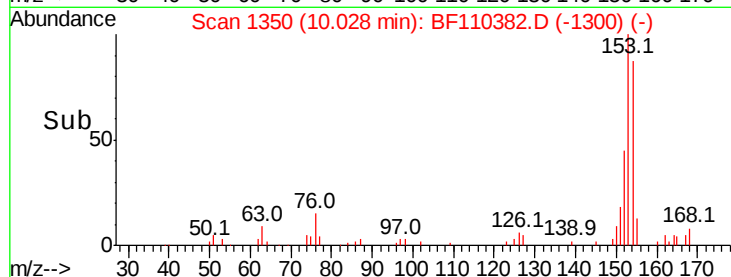
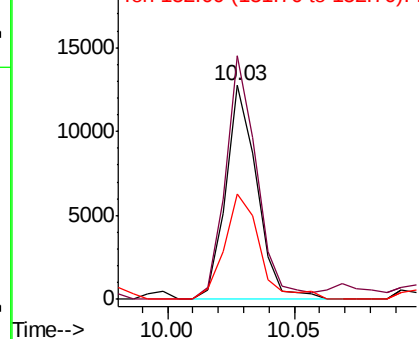


Abundance

Ion 154.00 (153.70 to 154.70): E

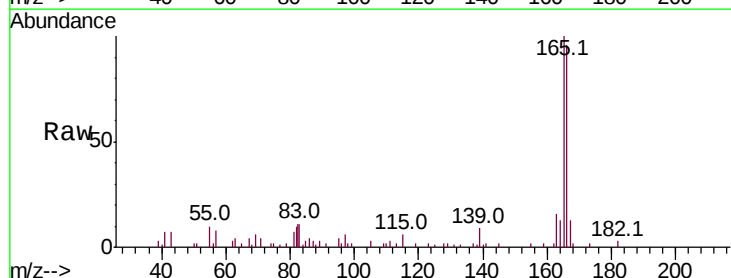
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58
Fluorene
Concen: 3.967 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.6	117.8
167	13.9	10.8	16.2

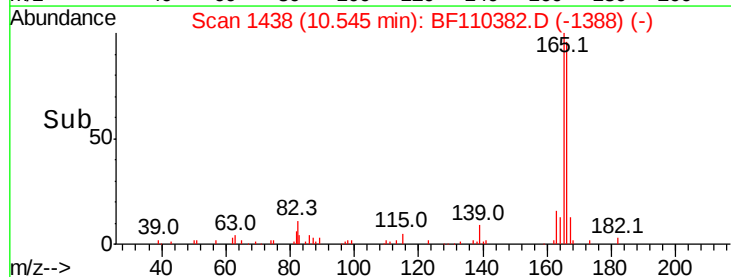
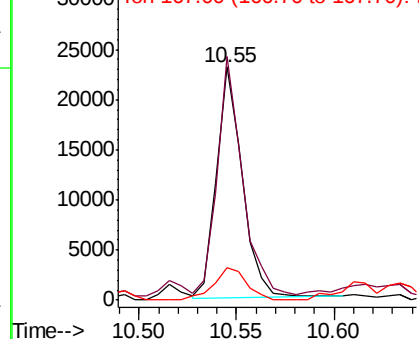


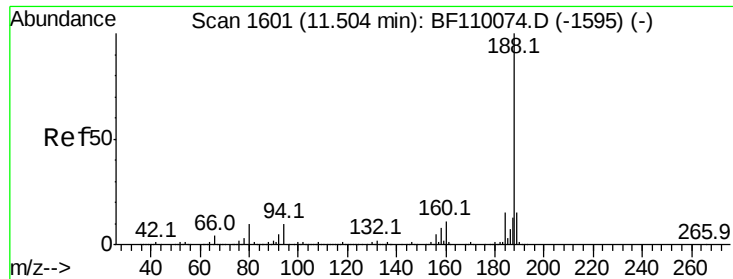
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

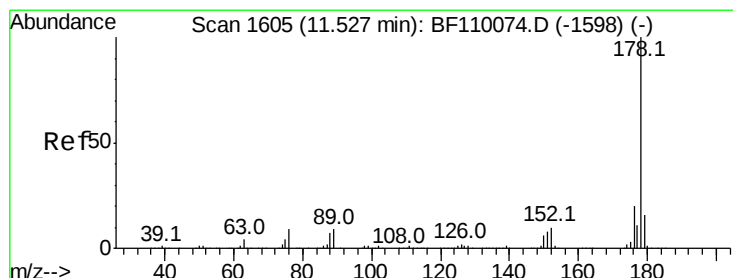
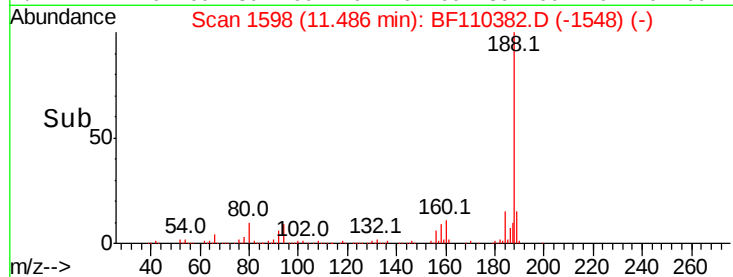
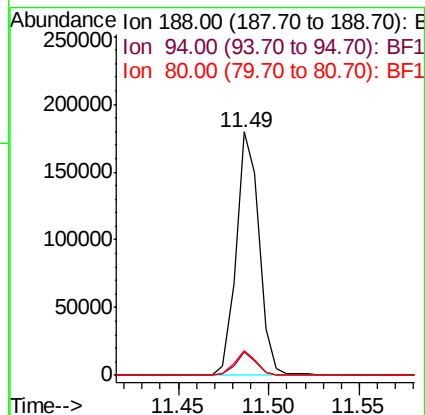
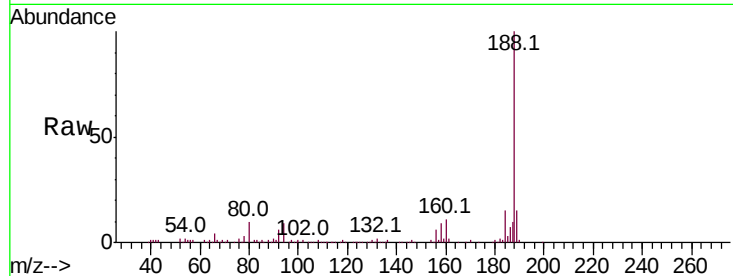
ClientSampleId :

OR-03-103118-A

Tot Ion:188	Resp: 158813
Ion Ratio	Lower Upper
188 100	
94 9.4	7.2 10.8
80 10.0	7.9 11.9

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#71

Phenanthrene

Concen: 21.272 ng

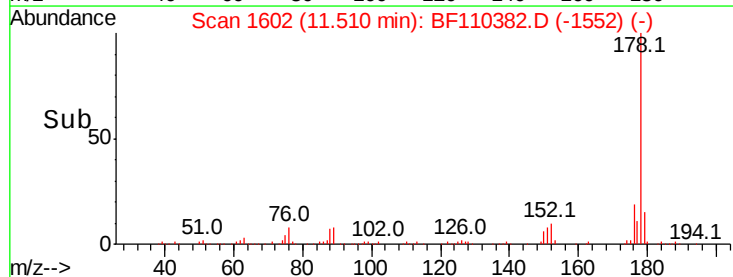
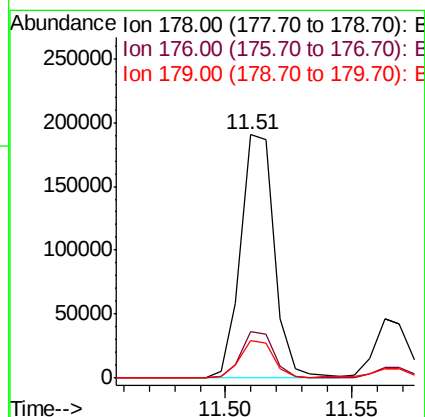
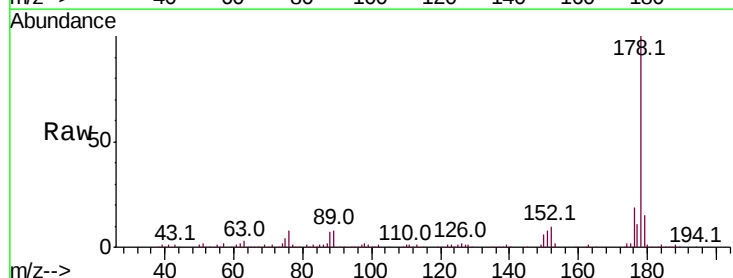
RT: 11.51 min Scan# 1602

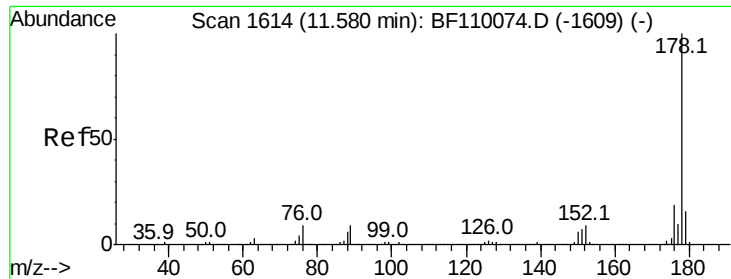
Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Tgt Ion:178	Resp: 176767
Ion Ratio	Lower Upper
178 100	
176 18.9	15.5 23.3
179 15.3	12.5 18.7





#72

Anthracene

Concen: 5.485 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

ClientSampleId :

OR-03-103118-A

Tot Ion:178 Resp: 45683

Ion Ratio Lower Upper

178 100

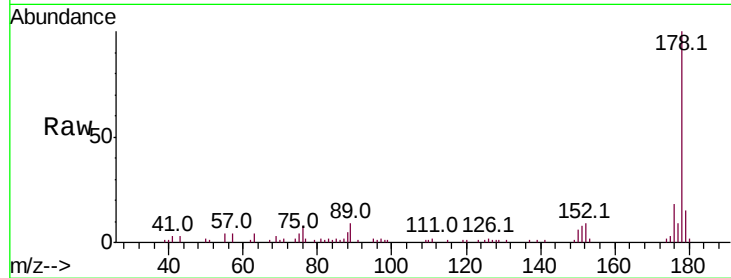
176 18.3 15.4 23.2

179 15.0 12.6 18.8

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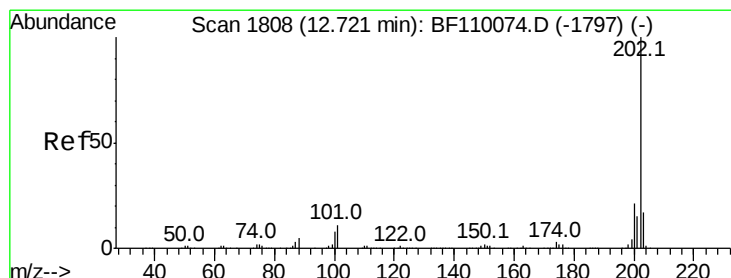
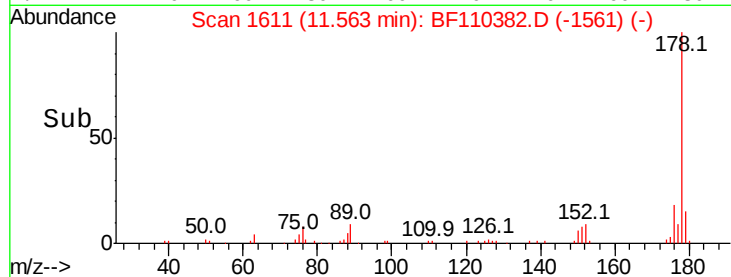
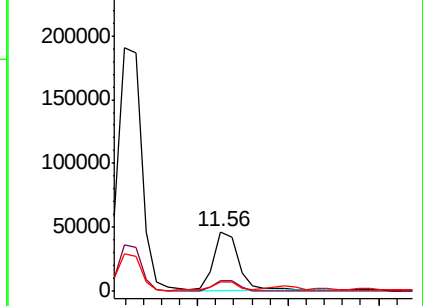
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 21.303 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Tgt Ion:202 Resp: 179658

Ion Ratio Lower Upper

202 100

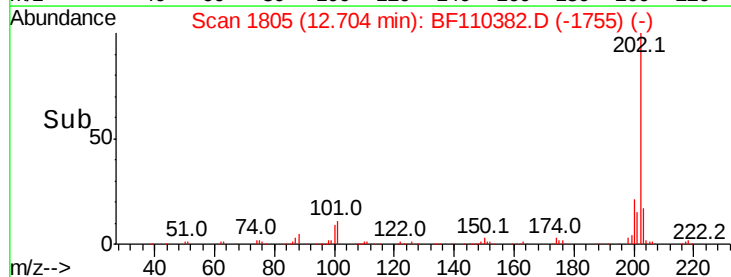
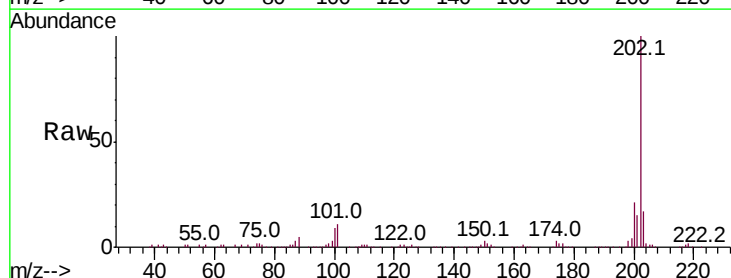
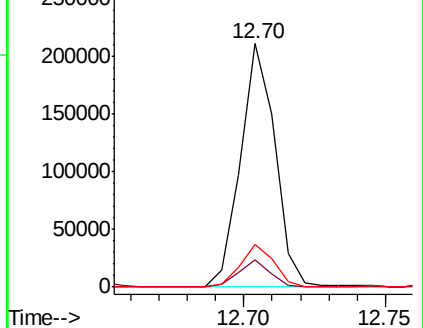
101 11.1 0.0 31.4

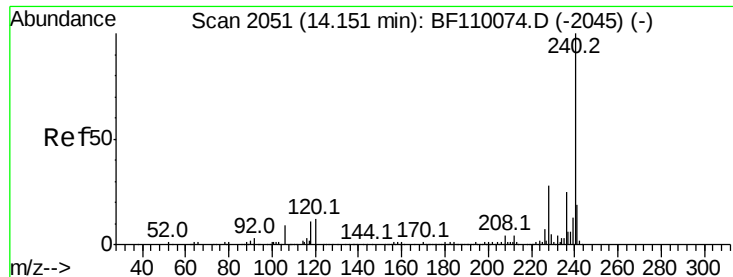
203 17.4 0.0 37.7

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





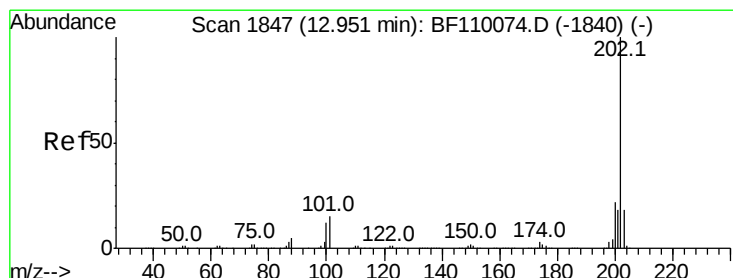
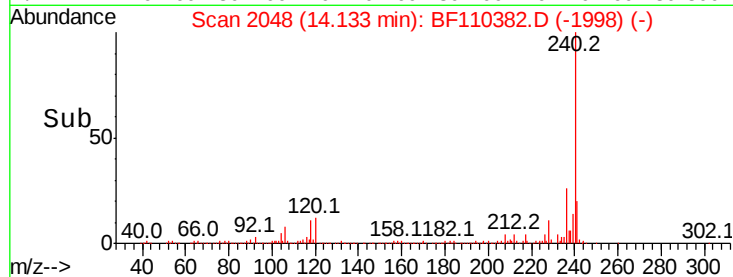
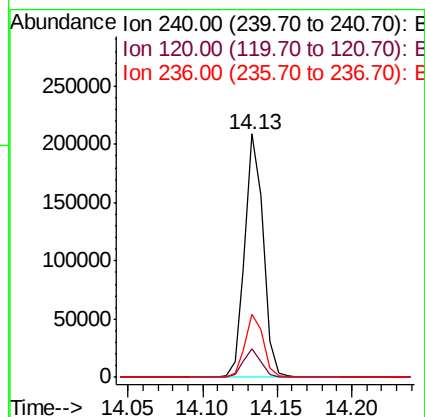
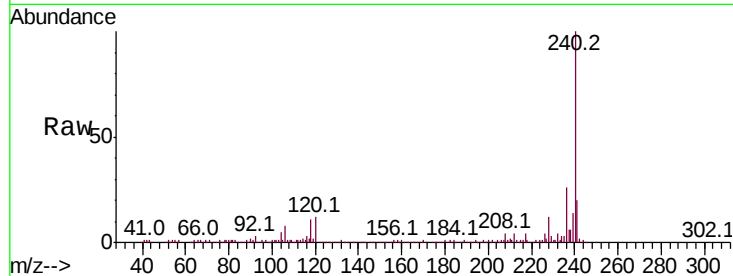
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.6	8.3	12.5	
236	26.0	21.2	31.8	

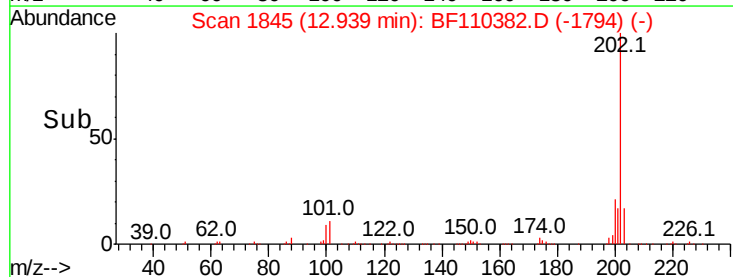
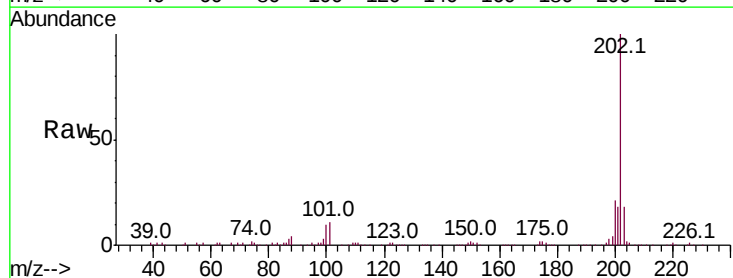
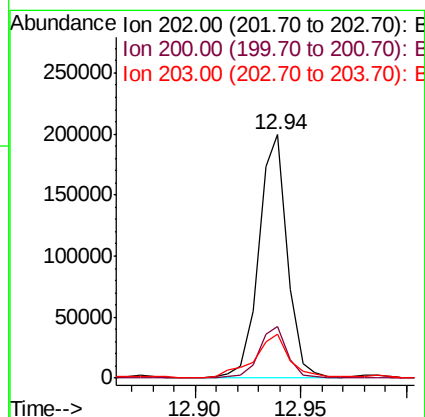
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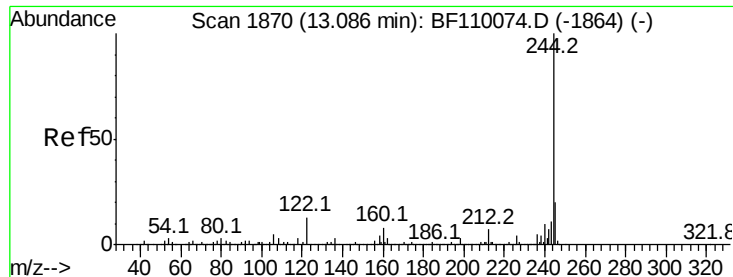
Sohil
11/2/2018 2:48:50 PM



#78
Pyrene
Concen: 14.560 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.8	26.6	
203	18.0	14.2	21.4	





#79

Terphenyl-d14

Concen: 10.594 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

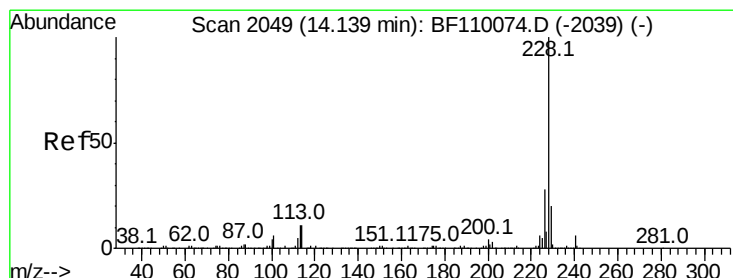
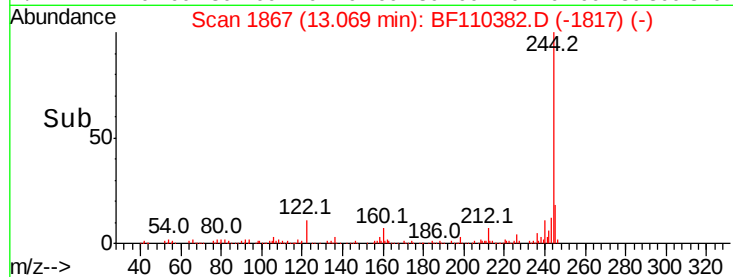
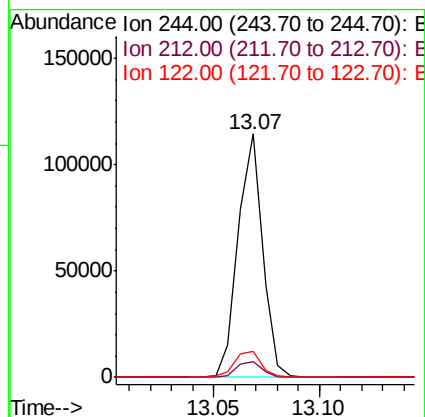
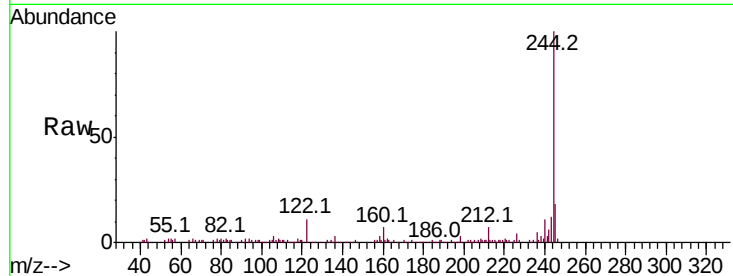
ClientSampleId :

OR-03-103118-A

Tot Ion:	244	Resp:	91950
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.8	8.8
122	10.9	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 7.538 ng

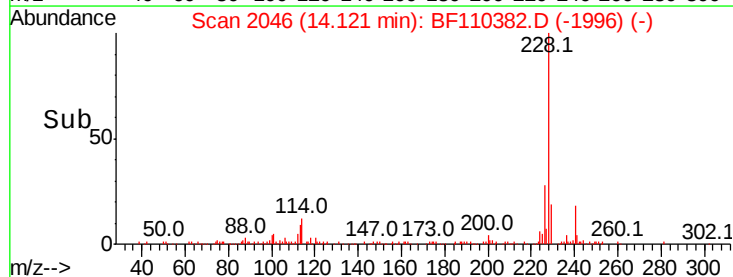
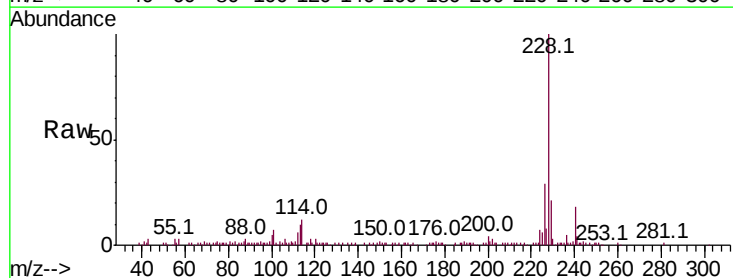
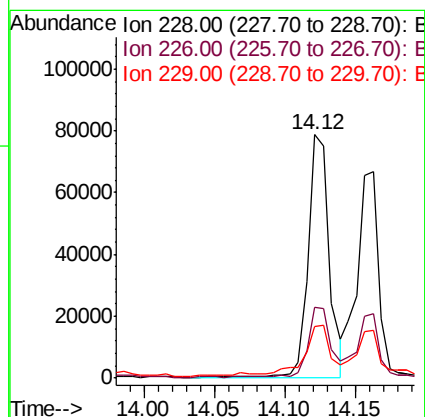
RT: 14.12 min Scan# 2046

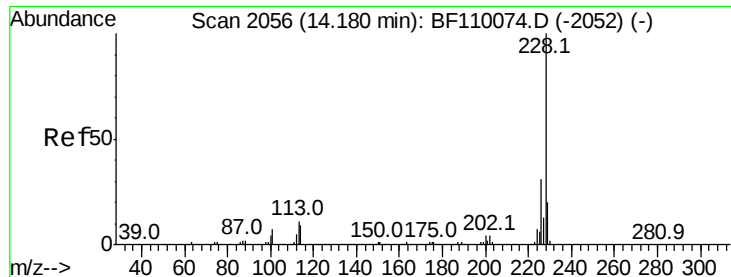
Delta R.T. -0.01 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Tgt Ion:	228	Resp:	80690
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.1	33.1
229	21.4	15.6	23.4





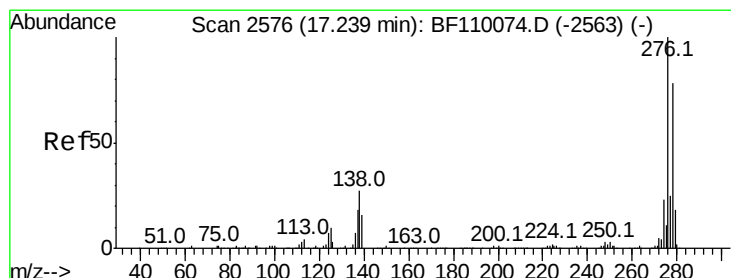
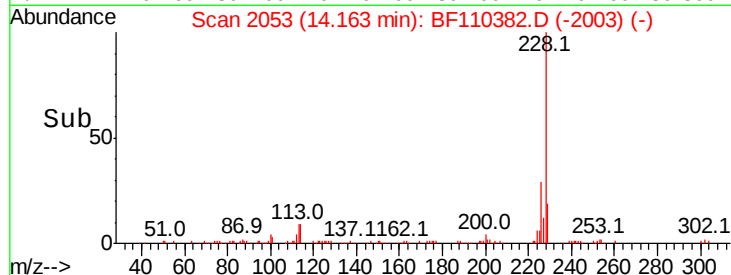
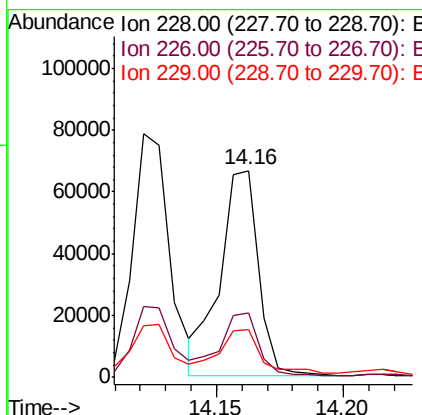
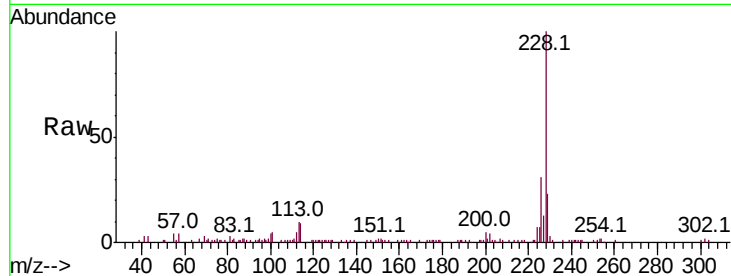
#83
Chrysene
Concen: 6.938 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	23.2	15.9	23.9

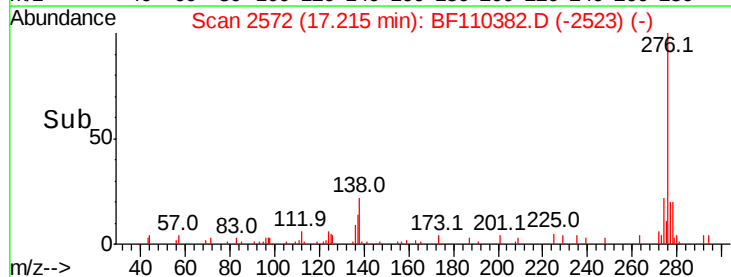
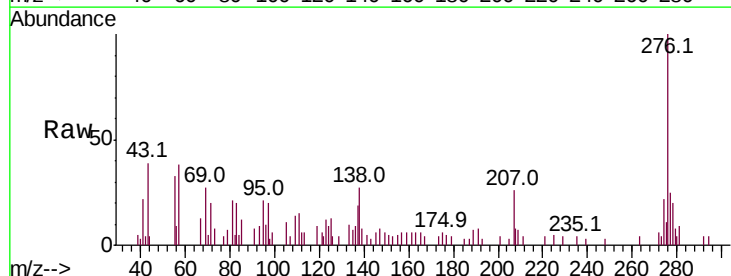
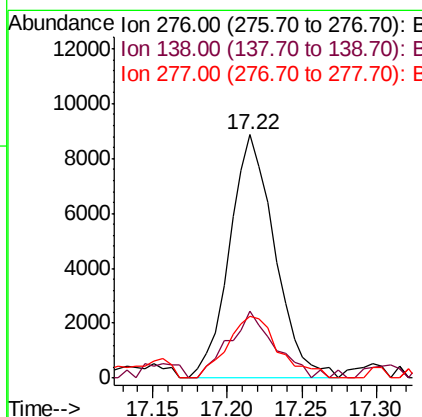
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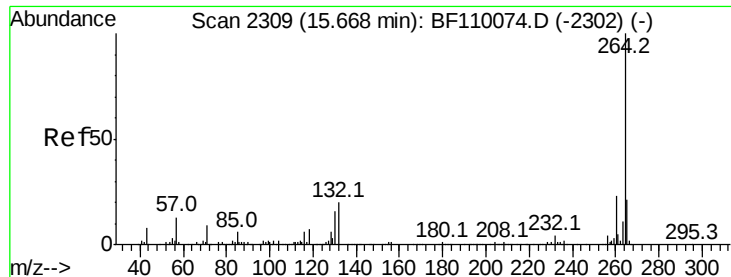
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.220 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	18.5	27.7#
277	28.7	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Instrument :

BNA_F

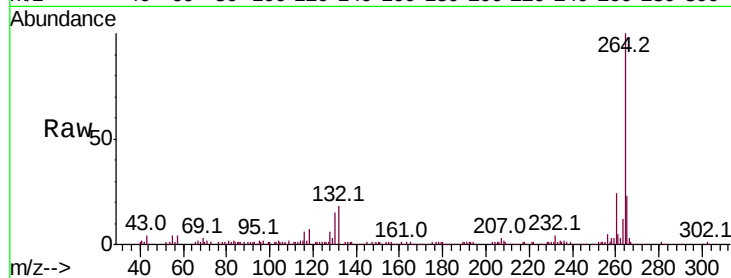
ClientSampleId :

OR-03-103118-A

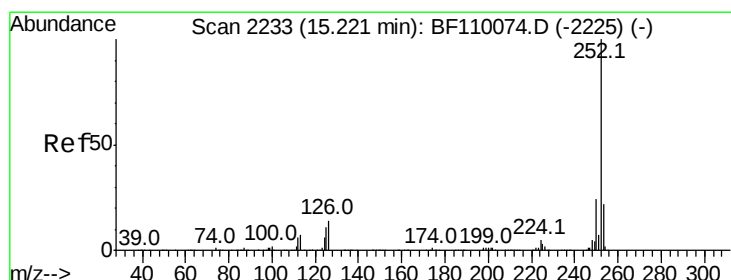
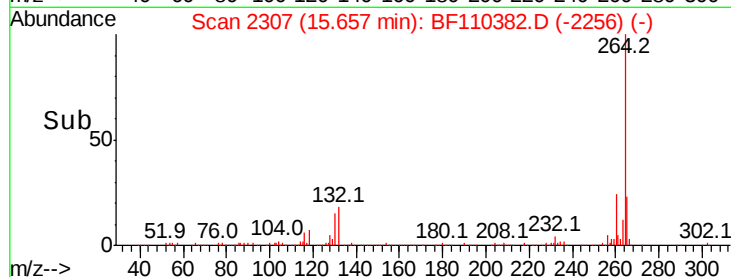
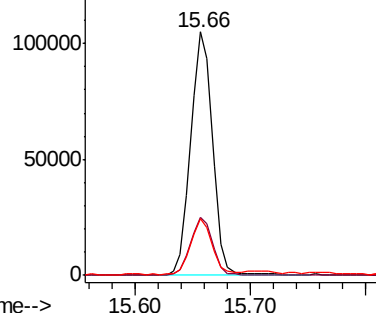
Tot Ion:	264	Resp:	138458
Ion Ratio		Lower	Upper
264	100		
260	23.8	18.7	28.1
265	23.4	16.7	25.1

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.039 ng m

RT: 15.20 min Scan# 2230

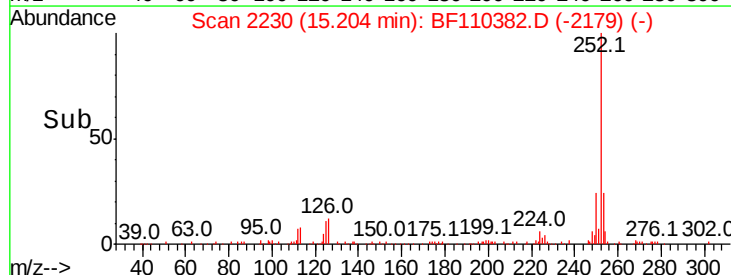
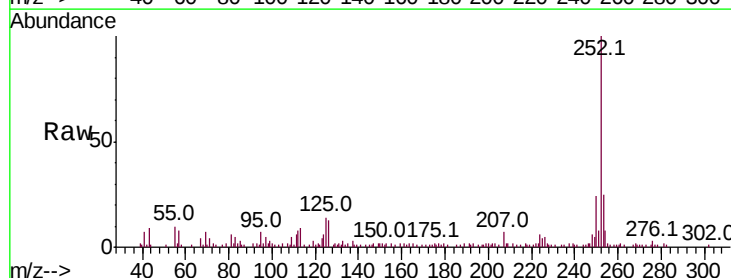
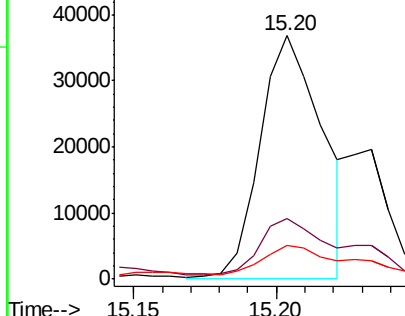
Delta R.T. 0.00 min

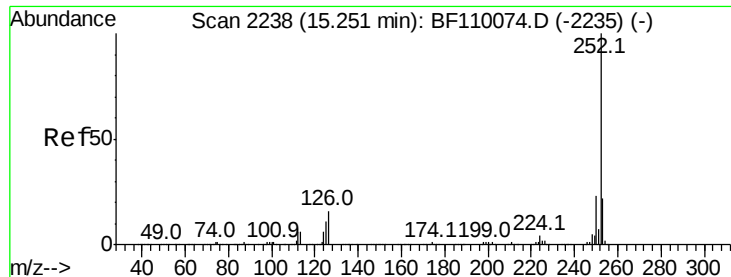
Lab File: BF110382.D

Acq: 1 Nov 2018 21:55

Tgt Ion:	252	Resp:	56280
Ion Ratio		Lower	Upper
252	100		
253	25.1	17.2	25.8
125	13.8	8.2	12.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





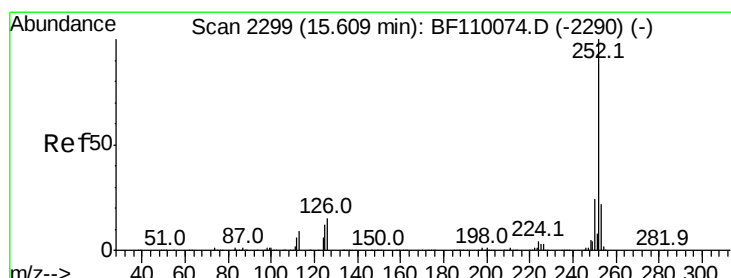
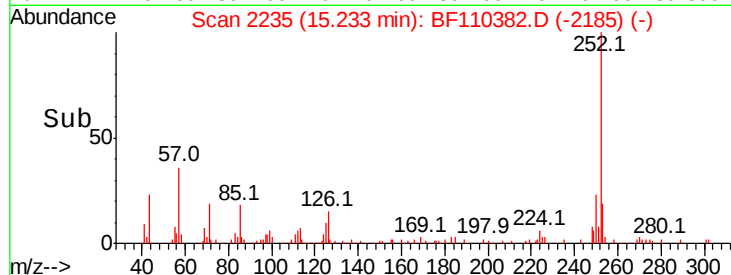
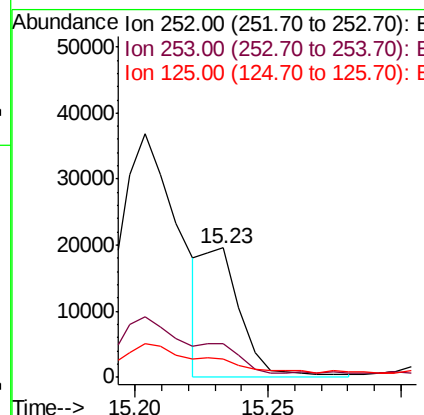
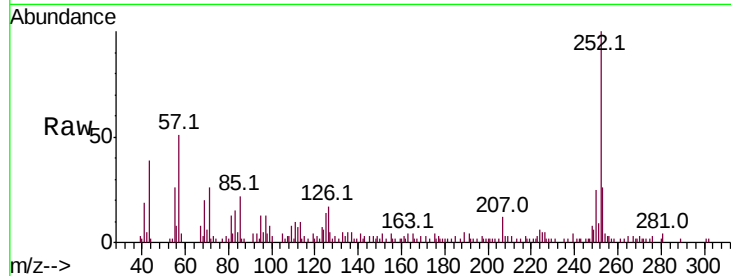
#89
Benzo(k)fluoranthene
Concen: 2.549 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :
OR-03-103118-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	14.0	7.4	11.0#

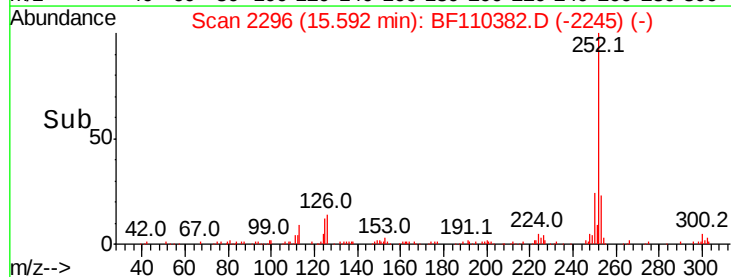
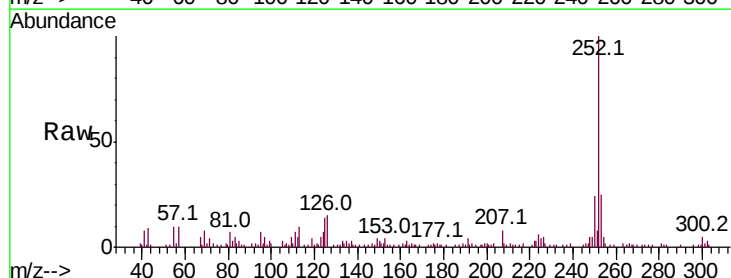
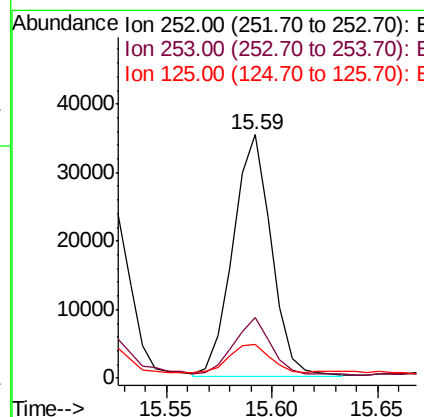
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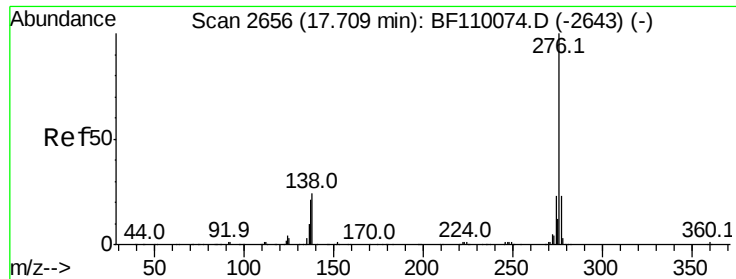
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#90
Benzo(a)pyrene
Concen: 6.023 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110382.D
Acq: 1 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	13.9	9.0	13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 2.858 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.01 min
 Lab File: BF110382.D
 Acq: 1 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-103118-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.8	28.2
138	25.8	16.0	24.0

Manual Integrations
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 11/2/2018 2:48:50 PM

