

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061720\
 Data File : BF120639.D
 Acq On : 17 Jun 2020 18:22
 Operator : JU/CG
 Sample : L3024-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-11

Quant Time: Jun 17 18:55:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146565	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	551091	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	282424	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	546078	20.00	ng	-0.01
76) Chrysene-d12	13.95	240	494978	20.00	ng	-0.01
86) Perylene-d12	15.39	264	536384	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	812986	95.10	ng	0.00
7) Phenol-d6	6.43	99	996215	93.56	ng	-0.01
23) Nitrobenzene-d5	7.36	82	628162	63.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	317344	96.65	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1229742	66.62	ng	-0.01
79) Terphenyl-d14	12.90	244	1502381	67.05	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	82110	13.295	ng	# 79
25) Isophorone	7.36	82	624559	32.521	ng	# 62
50) Dimethylphthalate	9.55	163	137610	6.765	ng	99
57) 2,4-Dinitrotoluene	9.83	165	36967	6.044	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	17596	2.839	ng	# 1
75) Fluoranthene	12.52	202	105137	3.388	ng	97
78) Pyrene	12.75	202	116845	3.332	ng	98
81) Benzo(a)anthracene	13.94	228	63710	2.142	ng	94
83) Chrysene	13.97	228	76185	2.498	ng	99
88) Benzo(b)fluoranthene	14.97	252	181881	5.692	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	181881	6.433	ng	# 97
90) Benzo(a)pyrene	15.32	252	77973	2.727	ng	# 97
92) Benzo(a,h,i)perylene	17.22	276	58096	2.203	ng	# 94

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

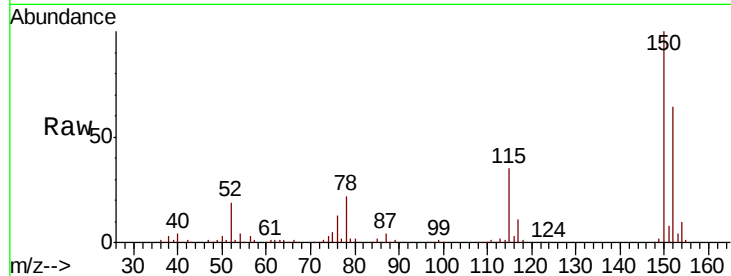


#1

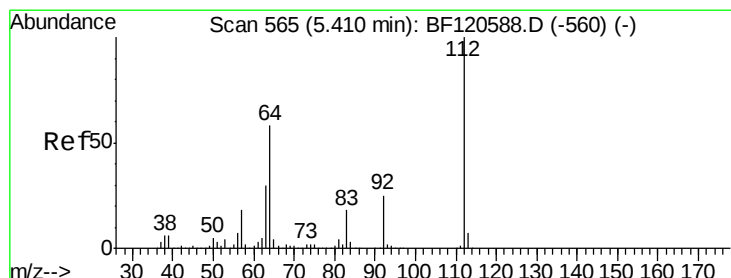
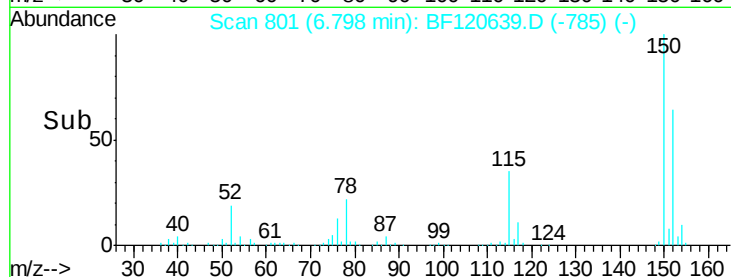
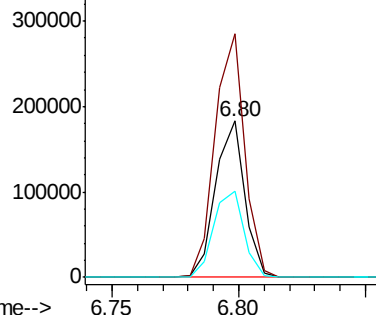
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120639.D
Acq: 17 Jun 2020 18:22

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.2	184.8
115	55.3	43.9	65.9



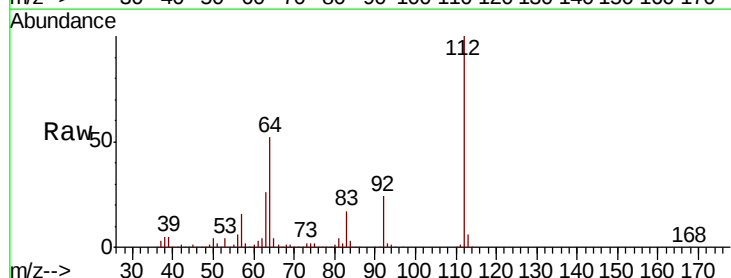
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



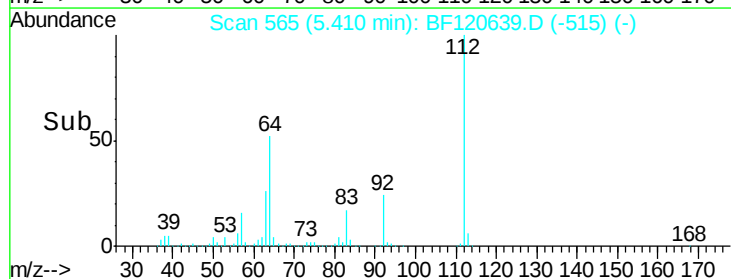
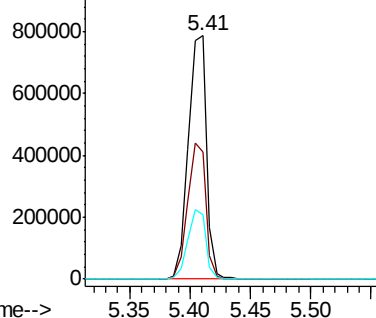
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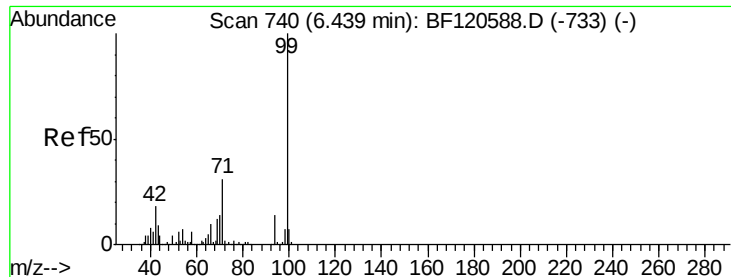
2-Fluorophenol
Concen: 95.100 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF120639.D
Acq: 17 Jun 2020 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.1	69.1
63	26.5	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: 93.563 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Instrument :

BNA_F

ClientSampleId :

RO-11

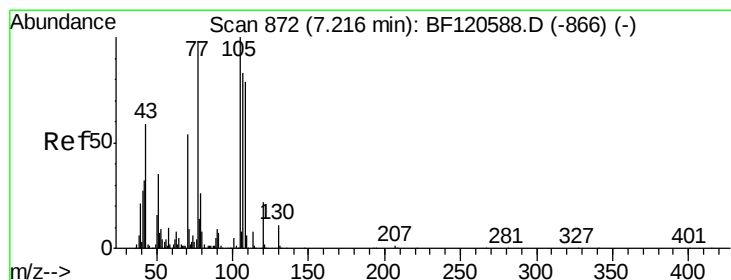
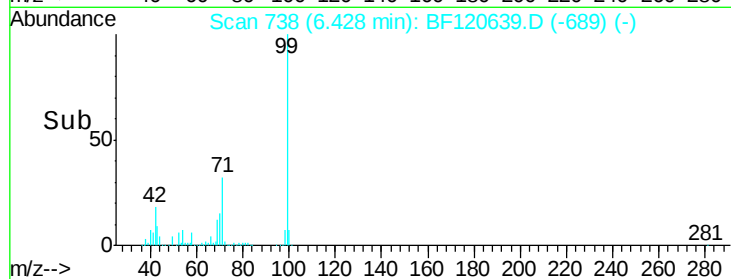
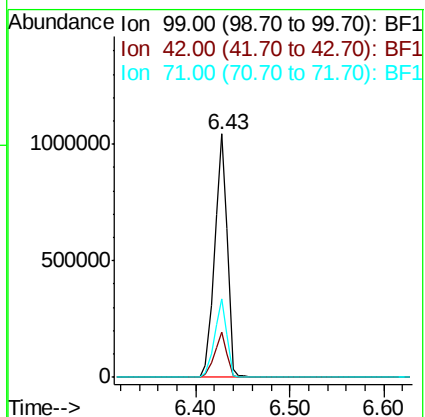
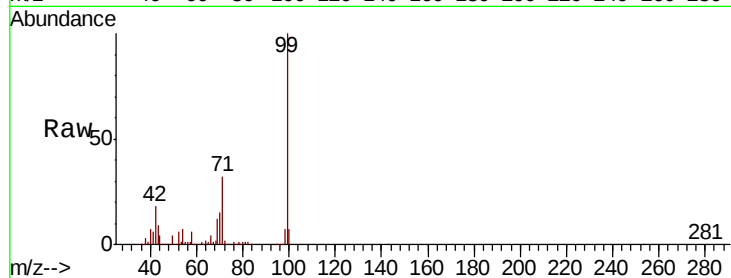
Tot Ion: 99 Resp: 996215

Ion Ratio Lower Upper

99 100

42 18.5 14.0 21.0

71 32.2 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.295 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Tgt Ion: 70 Resp: 82110

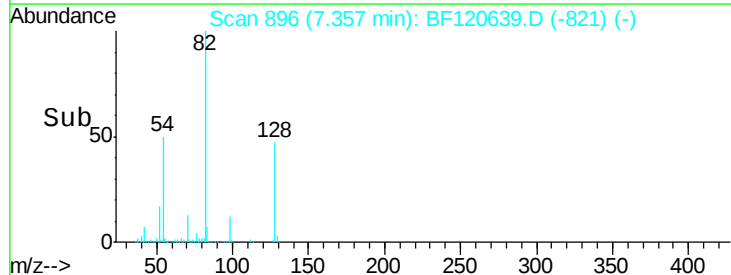
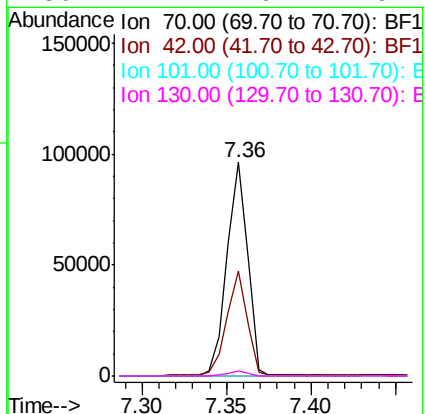
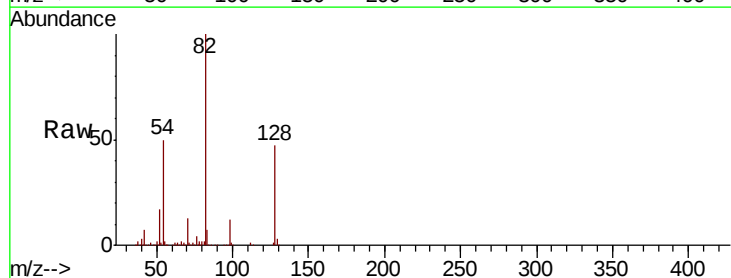
Ion Ratio Lower Upper

70 100

42 49.2 47.7 71.5

101 0.0 7.6 11.4#

130 2.4 16.7 25.1#

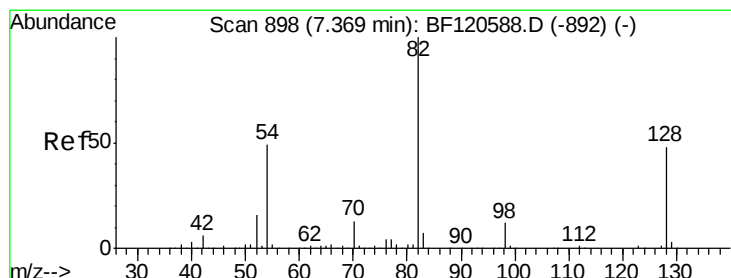
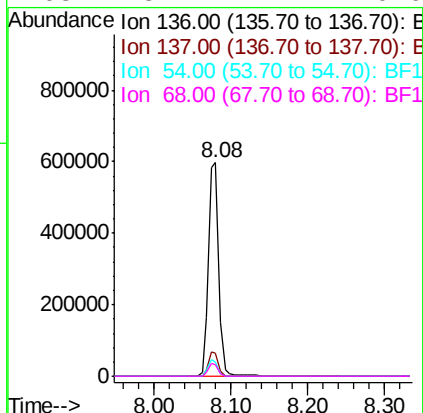
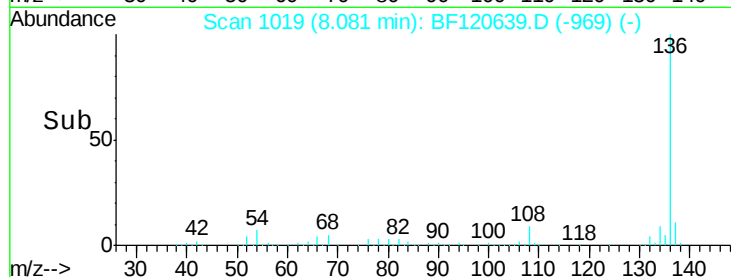
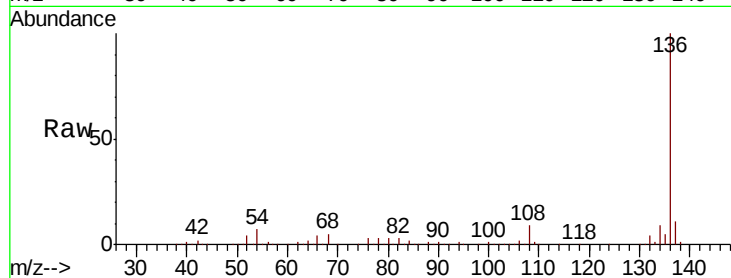




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120639.D
Acq: 17 Jun 2020 18:22

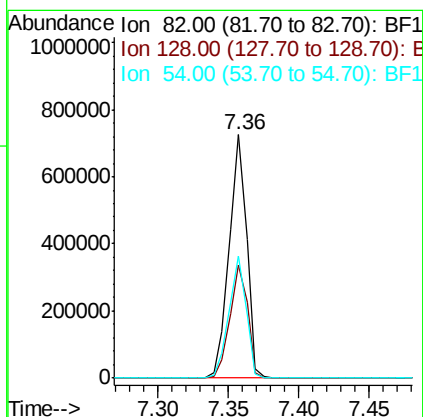
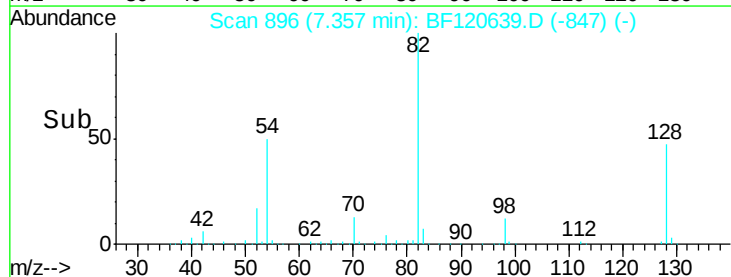
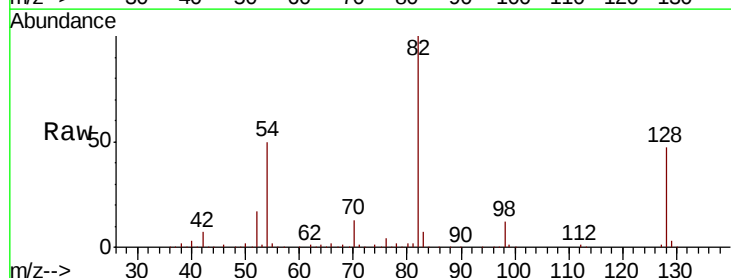
Instrument :
BNA_F
ClientSampleId :
RO-11

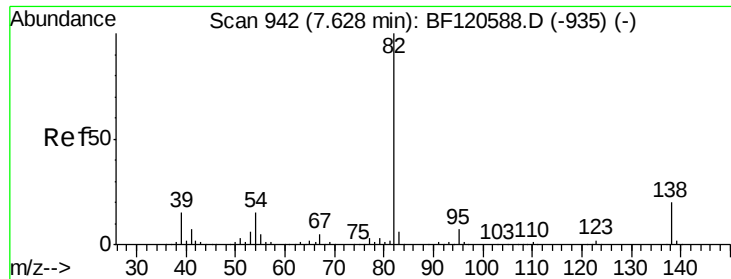
Tot Ion:136 Resp: 551091
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 6.6 5.8 8.6
68 5.4 4.4 6.6



#23
Nitrobenzene-d5
Concen: 63.714 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120639.D
Acq: 17 Jun 2020 18:22

Tgt Ion: 82 Resp: 628162
Ion Ratio Lower Upper
82 100
128 46.6 38.0 57.0
54 49.9 38.8 58.2





#25

Isophorone

Concen: 32.521 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Instrument :

BNA_F

ClientSampleId :

RO-11

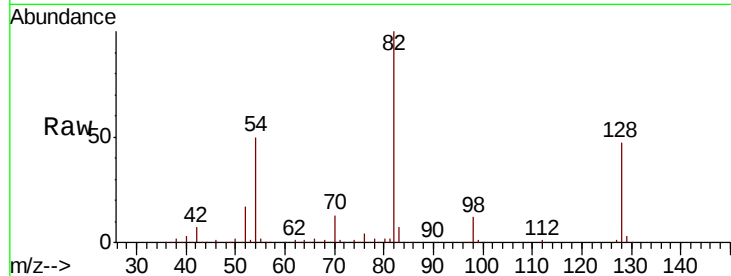
Tot Ion: 82 Resp: 624559

Ion Ratio Lower Upper

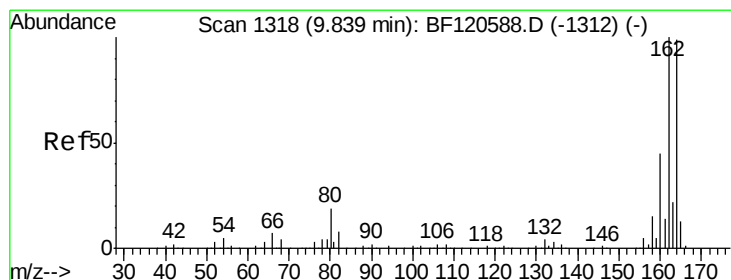
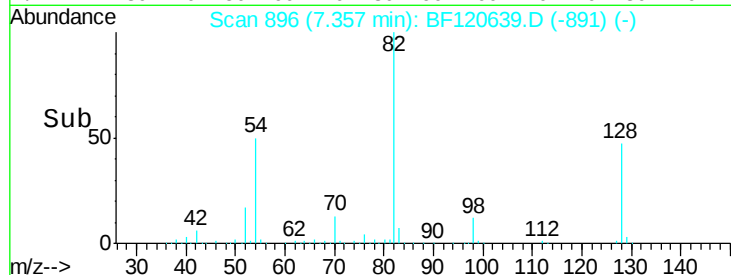
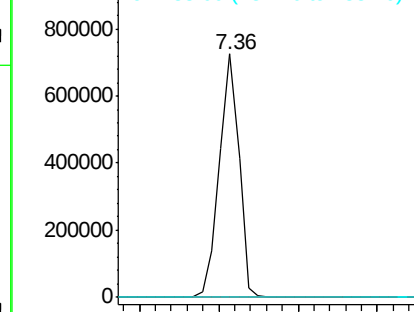
82 100

95 0.0 5.7 8.5#

138 0.0 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

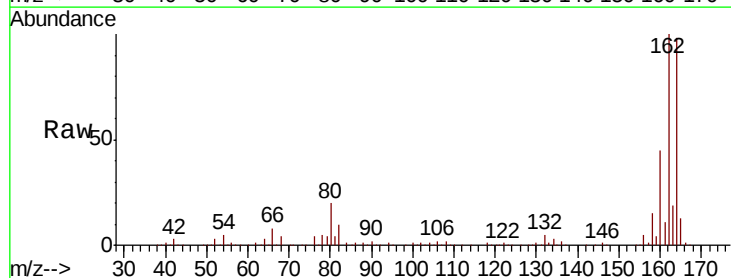
Tgt Ion: 164 Resp: 282424

Ion Ratio Lower Upper

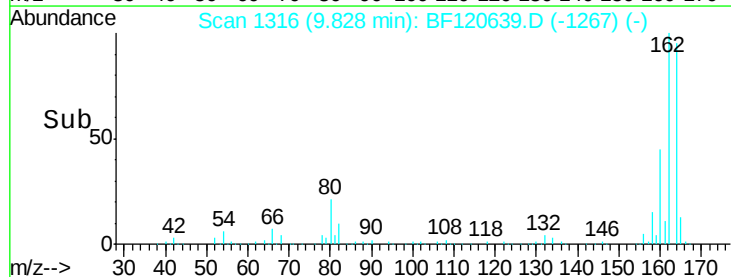
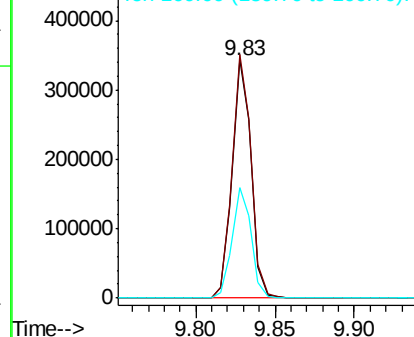
164 100

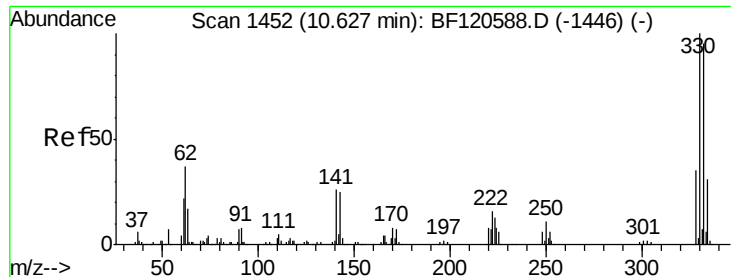
162 102.3 80.6 120.8

160 46.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

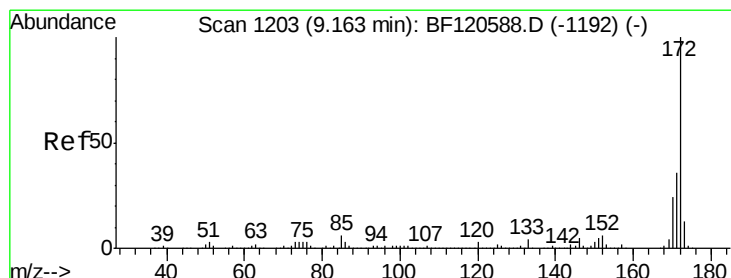
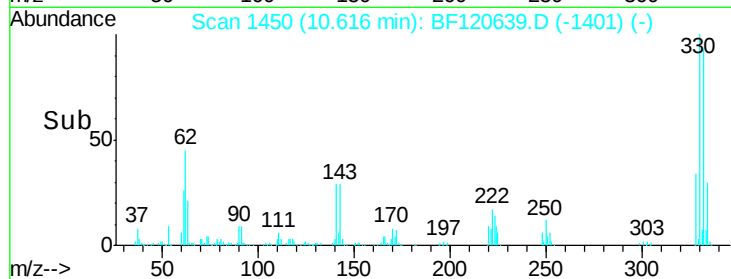
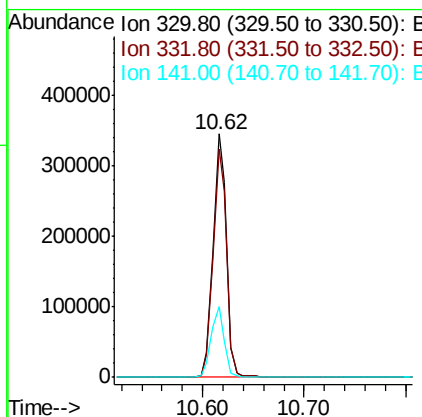
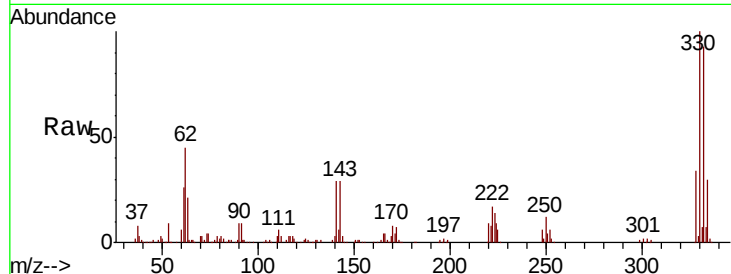




#42
 2,4,6-Tribromophenol
 Concen: 96.646 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF120639.D
 Acq: 17 Jun 2020 18:22

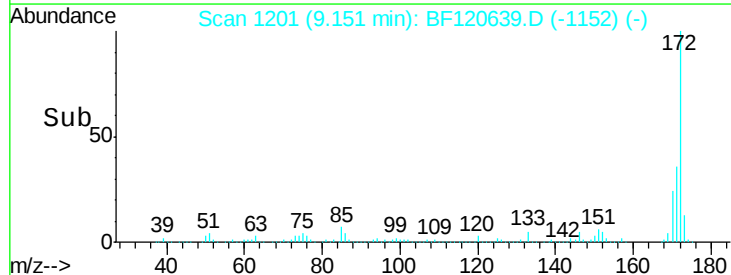
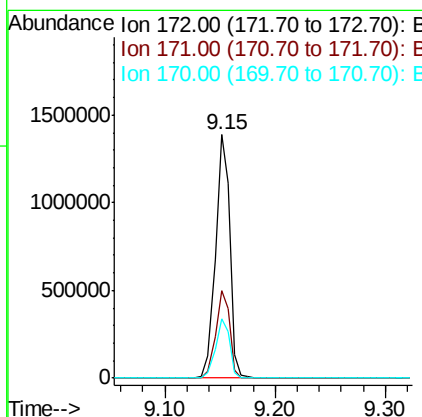
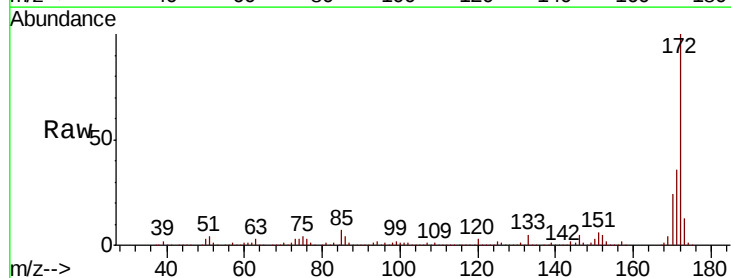
Instrument :
 BNA_F
 ClientSampleId :
 RO-11

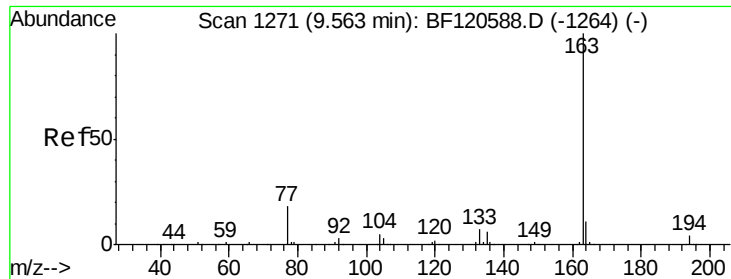
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.8	115.2
141	28.5	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 66.619 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120639.D
 Acq: 17 Jun 2020 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.3	19.4	29.2





#50

Dimethylphthalate

Concen: 6.765 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Instrument :

BNA_F

ClientSampleId :

RO-11

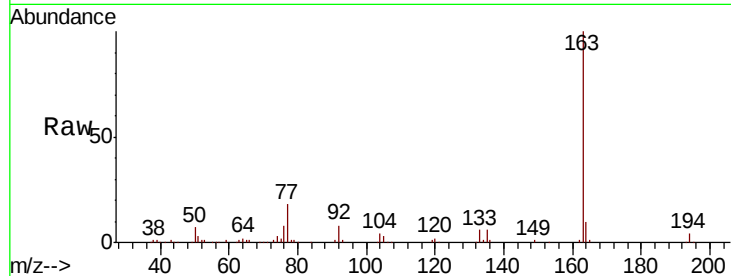
Tot Ion:163 Resp: 137610

Ion Ratio Lower Upper

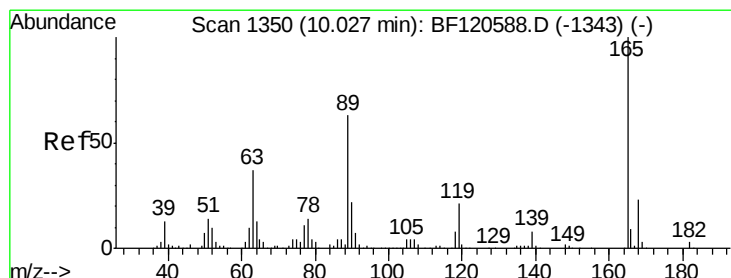
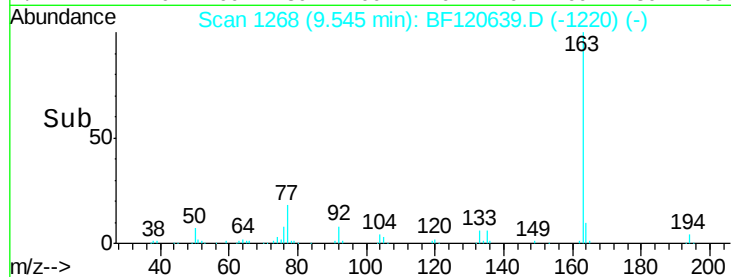
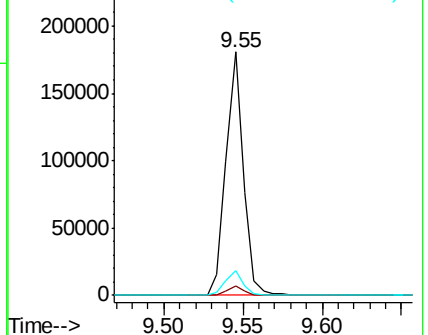
163 100

194 3.8 3.1 4.7

164 10.0 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.044 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.20 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Tgt Ion:165 Resp: 36967

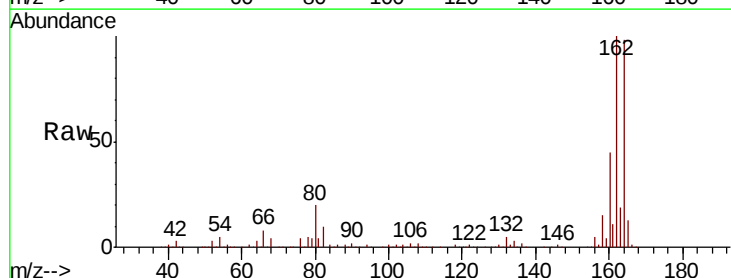
Ion Ratio Lower Upper

165 100

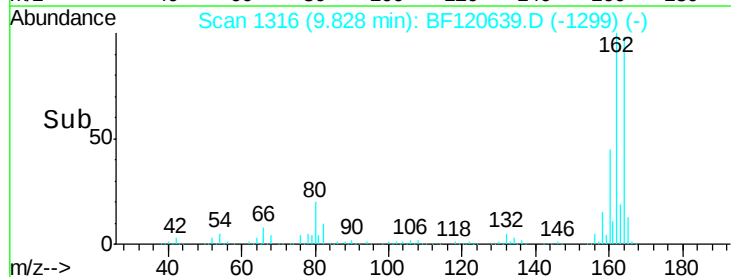
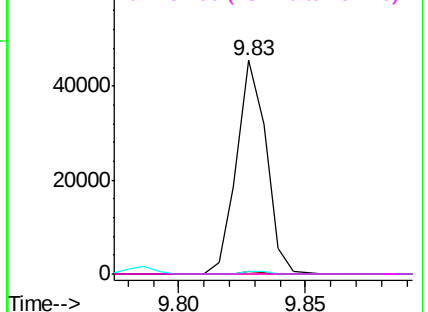
63 1.0 29.8 44.8#

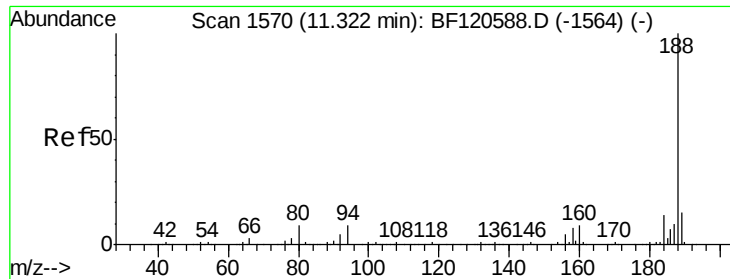
89 1.1 50.4 75.6#

182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

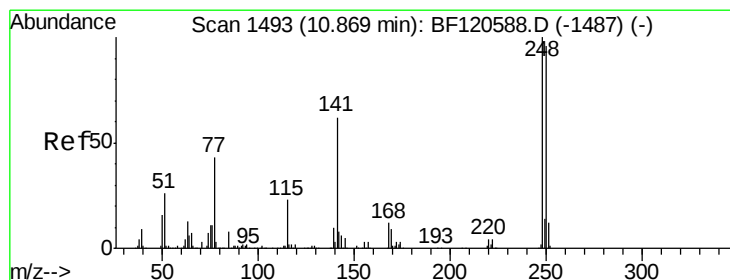
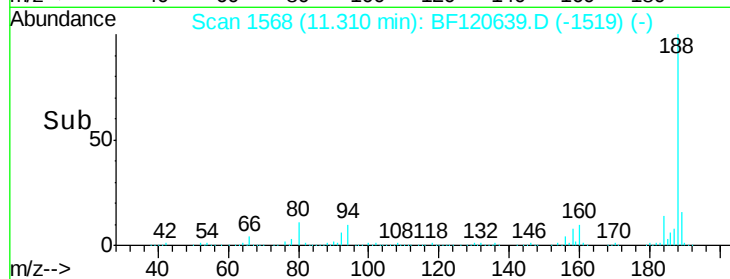
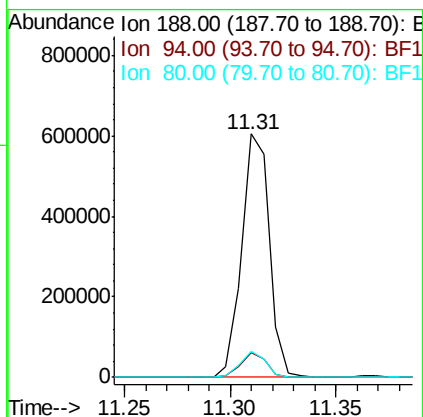
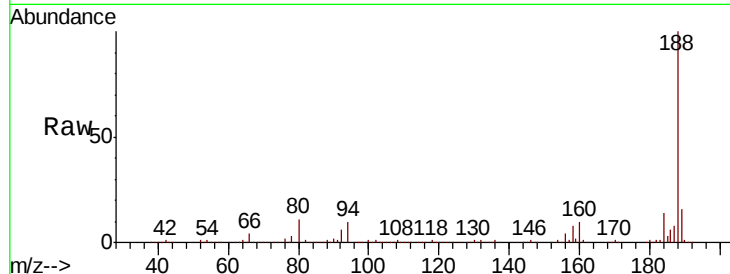




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF120639.D
 Acq: 17 Jun 2020 18:22

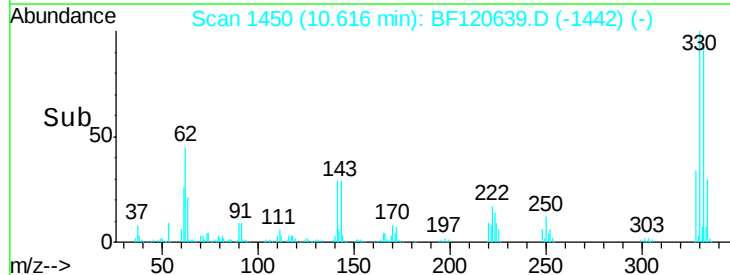
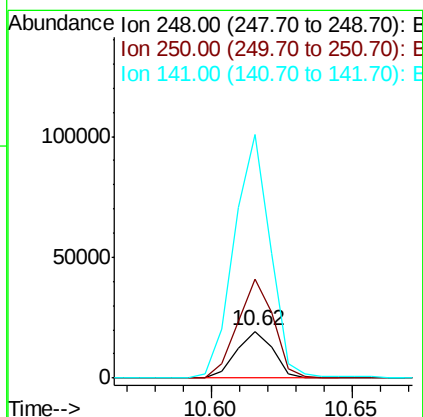
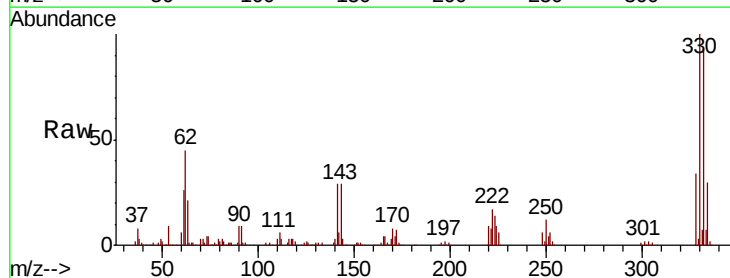
Instrument :
 BNA_F
 ClientSampleId :
 RO-11

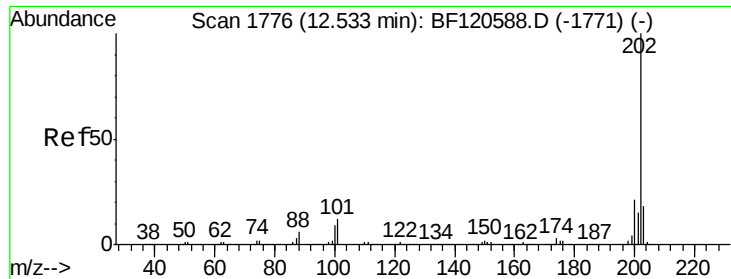
Tot Ion:188 Resp: 546078
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.2 10.8
 80 10.8 7.4 11.2



#67
 4-Bromophenyl-phenylether
 Concen: 2.839 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF120639.D
 Acq: 17 Jun 2020 18:22

Tgt Ion:248 Resp: 17596
 Ion Ratio Lower Upper
 248 100
 250 210.9 76.7 115.1#
 141 517.5 49.4 74.0#





#75

Fluoranthene

Concen: 3.388 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

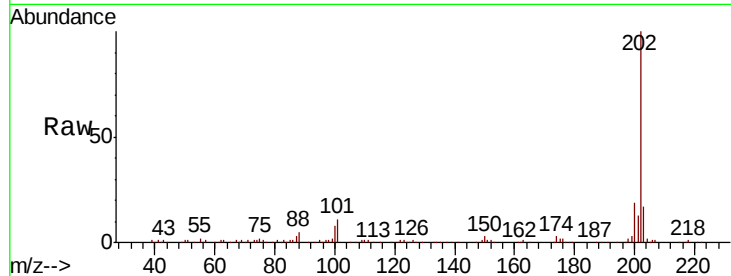
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BNA_F

ClientSampleId :

RO-11

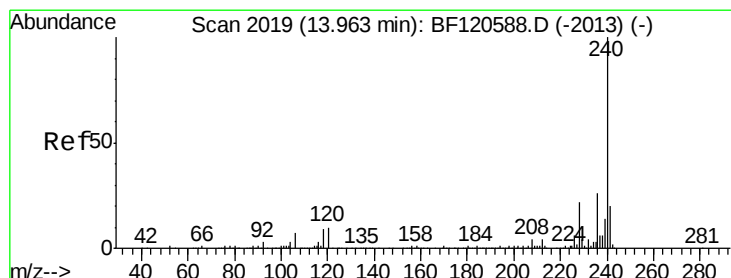
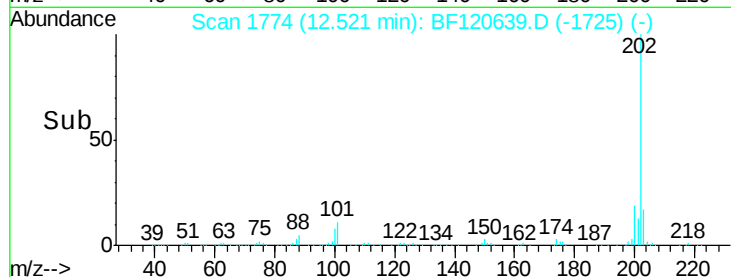
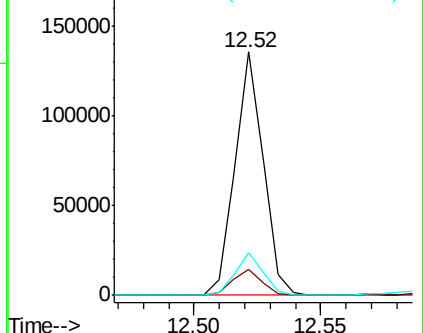
Tot Ion:	202	Resp:	105137
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.0
203	17.4	0.0	38.3



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

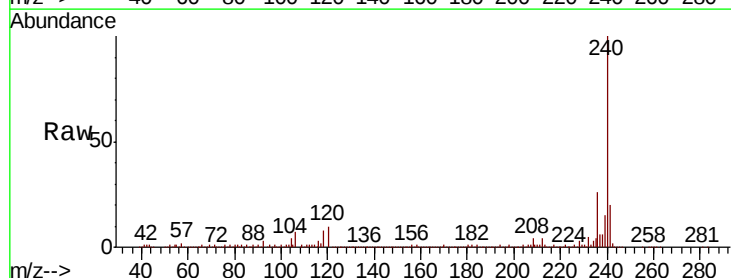
RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

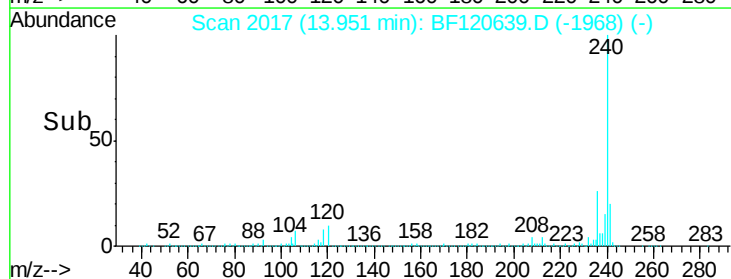
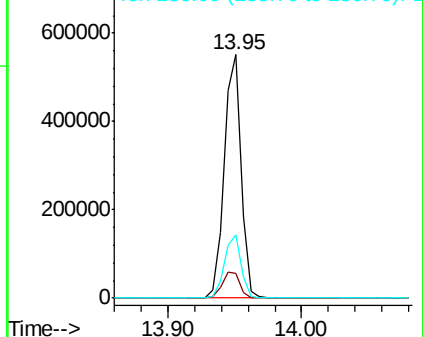
Tgt Ion:	240	Resp:	494978
Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.3	12.5
236	25.8	21.0	31.4

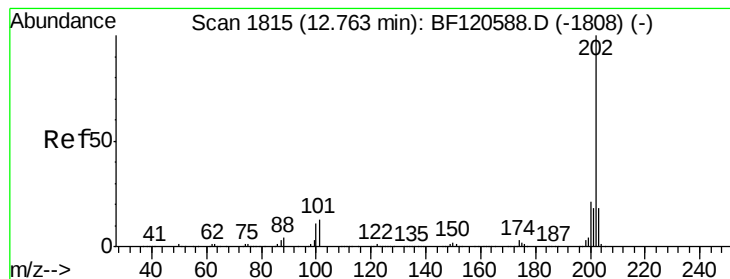


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.332 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Instrument :

BNA_F

ClientSampleId :

RO-11

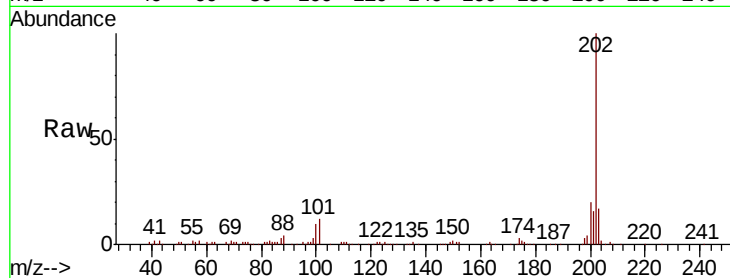
Tot Ion:202 Resp: 116845

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

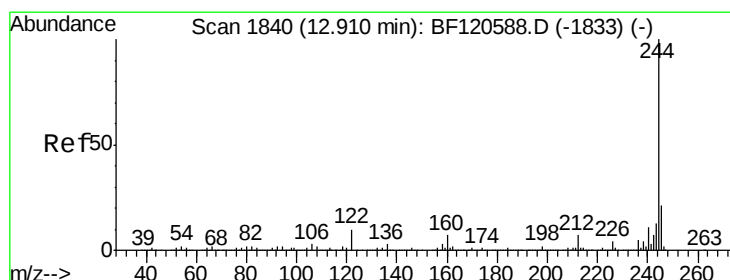
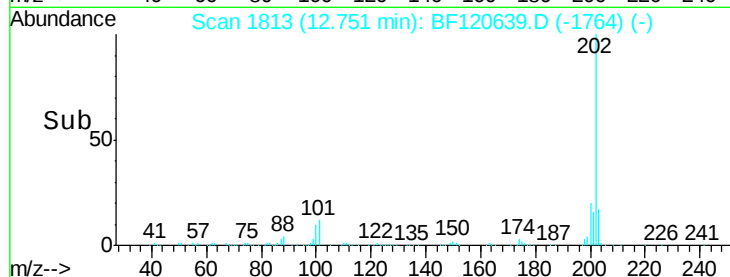
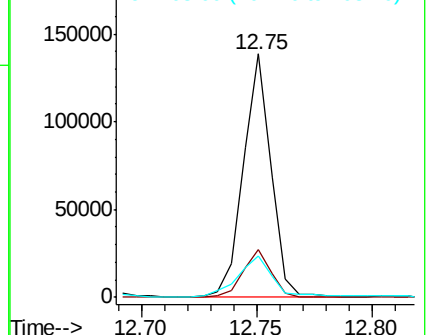
203 17.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 67.045 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

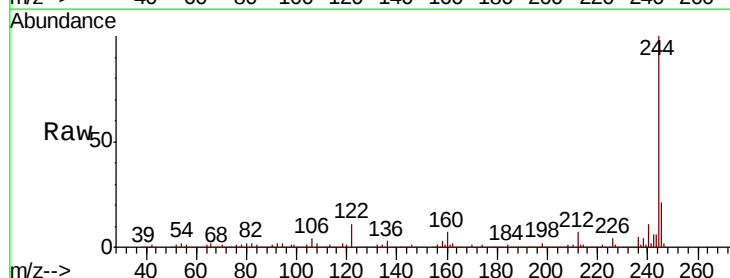
Tgt Ion:244 Resp: 1502381

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

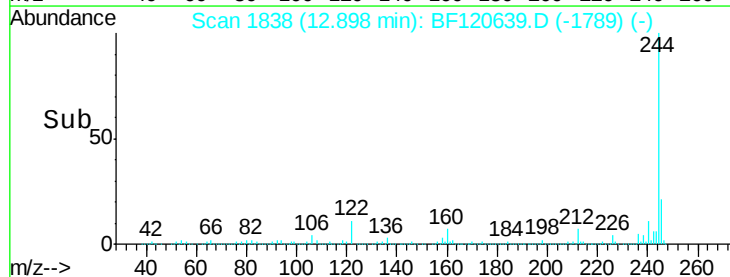
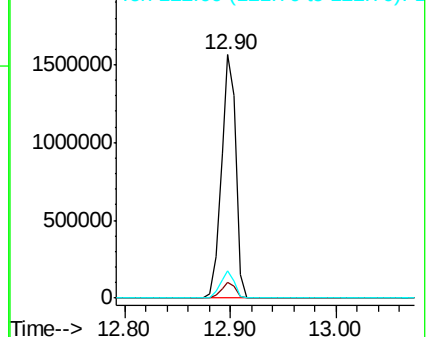
122 11.1 8.3 12.5

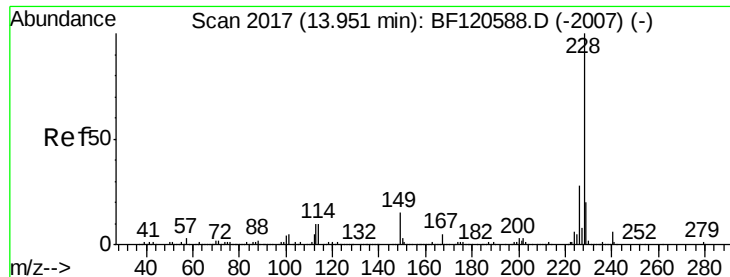


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.142 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Instrument :

BNA_F

ClientSampleId :

RO-11

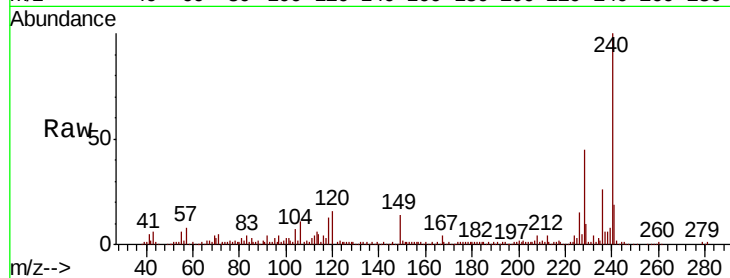
Tot Ion:228 Resp: 63710

Ion Ratio Lower Upper

228 100

226 33.0 22.5 33.7

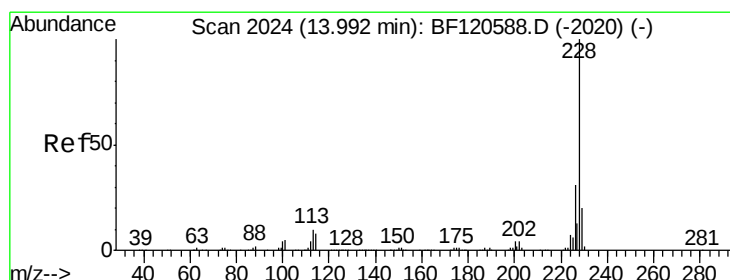
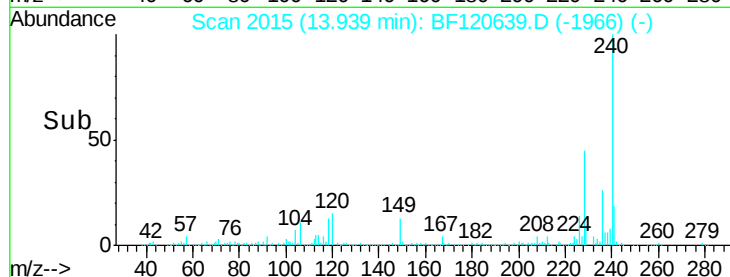
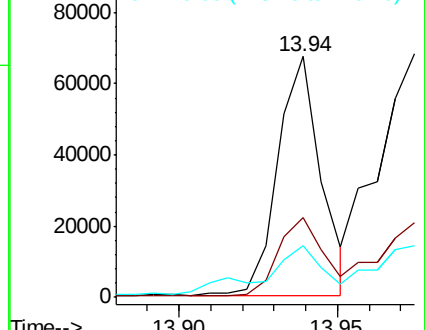
229 21.2 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.498 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

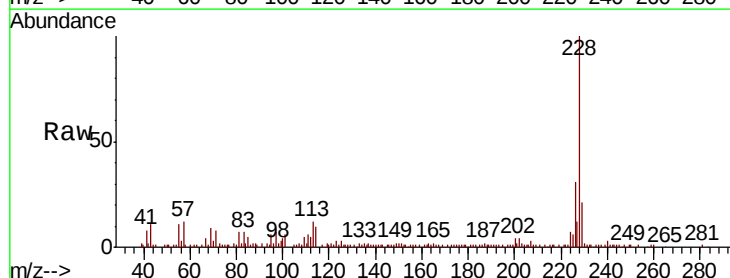
Tgt Ion:228 Resp: 76185

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

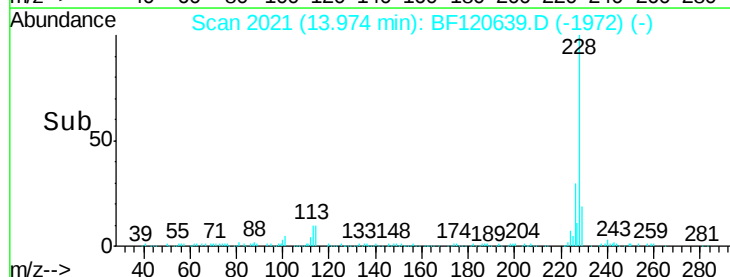
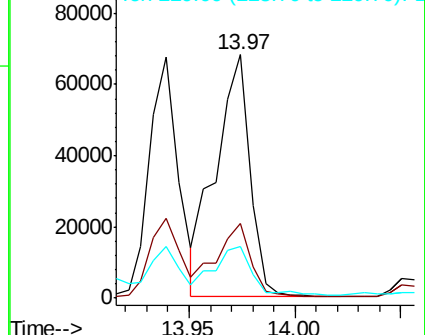
229 21.2 16.1 24.1

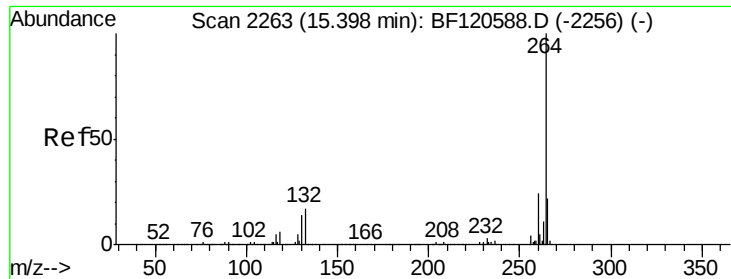


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

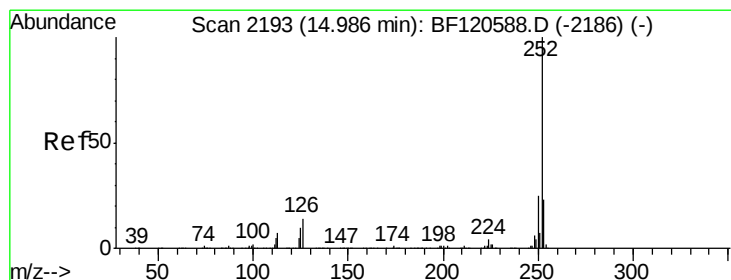
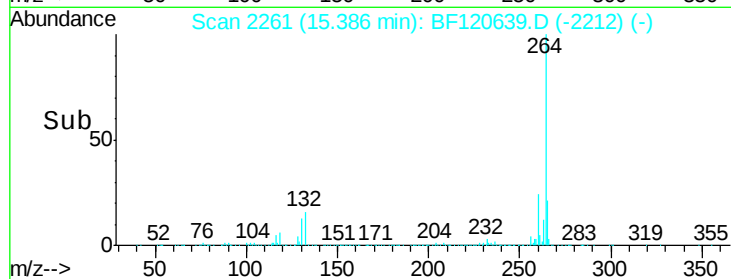
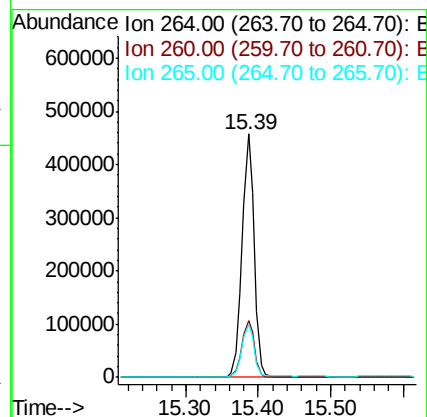
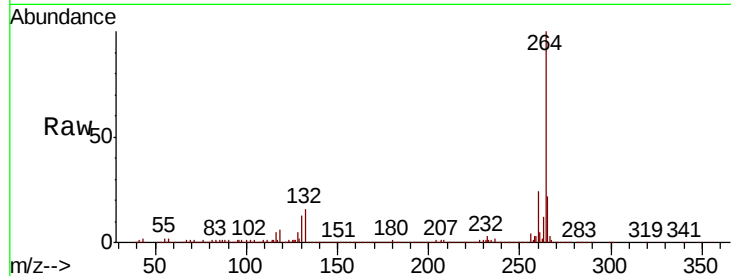




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120639.D
Acq: 17 Jun 2020 18:22

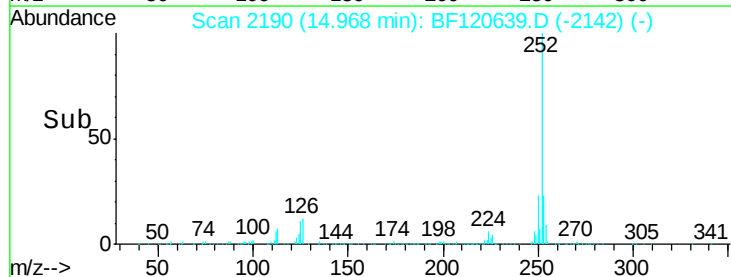
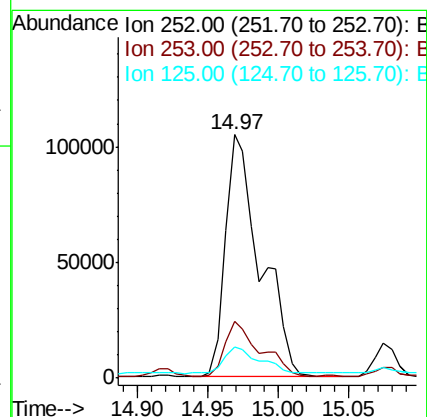
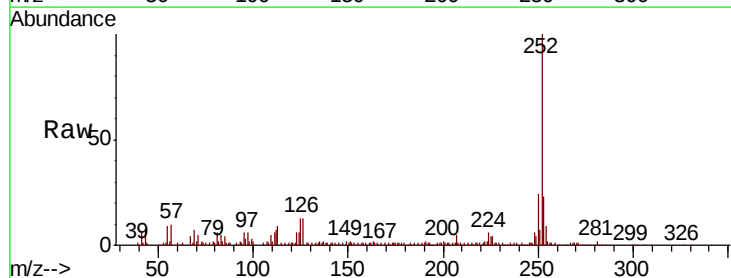
Instrument :
BNA_F
ClientSampleId :
RO-11

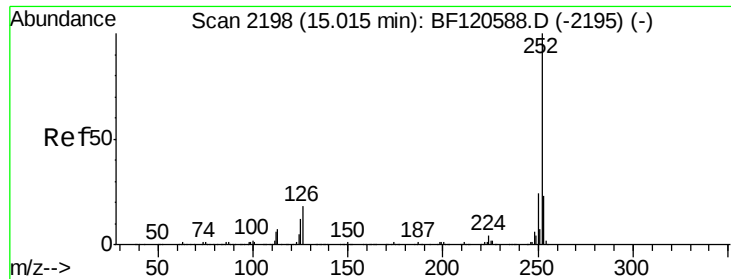
Tot Ion:264 Resp: 536384
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 21.5 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 5.692 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF120639.D
Acq: 17 Jun 2020 18:22

Tgt Ion:252 Resp: 181881
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 12.7 8.3 12.5#





#89

Benzo(k)fluoranthene

Concen: 6.433 ng

RT: 14.97 min Scan# 2190

Delta R.T. -0.05 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

Instrument :

BNA_F

ClientSampled :

RO-11

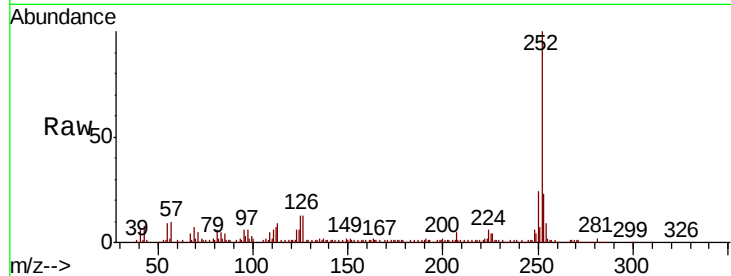
Tot Ion:252 Resp: 181881

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

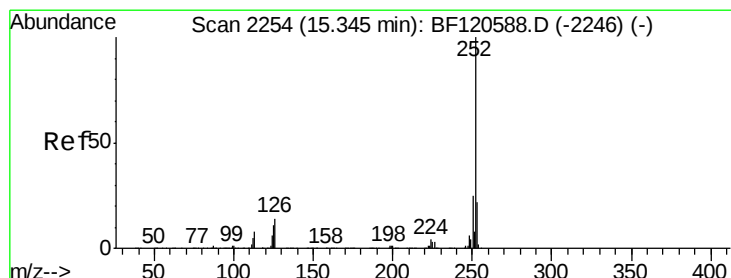
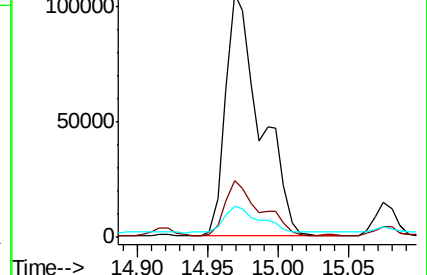
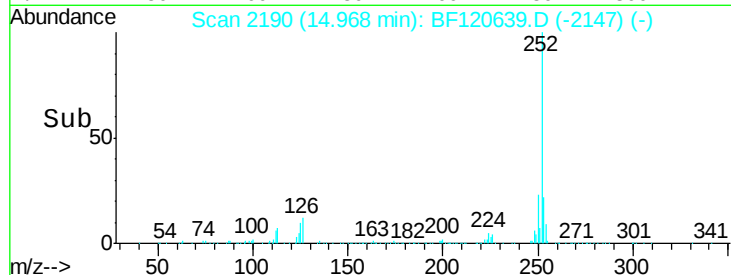
125 12.7 8.3 12.5#



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



#90

Benzo(a)pyrene

Concen: 2.727 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.02 min

Lab File: BF120639.D

Acq: 17 Jun 2020 18:22

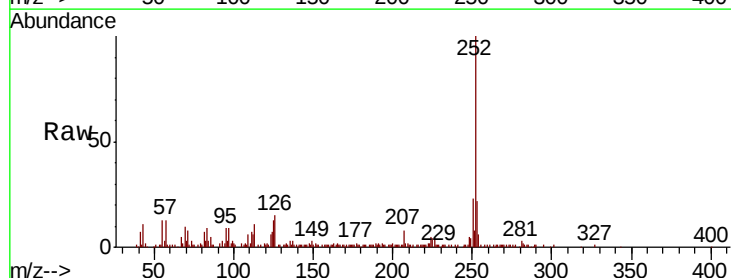
Tgt Ion:252 Resp: 77973

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

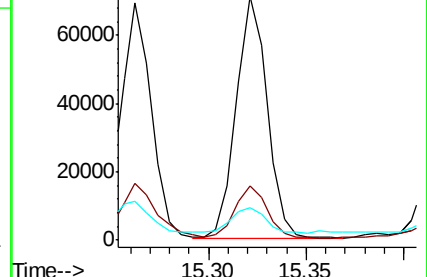
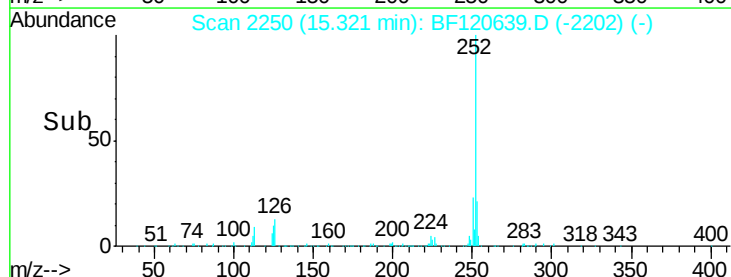
125 13.5 8.6 12.8#

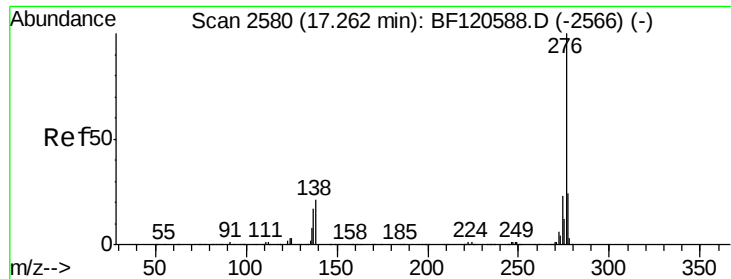


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.203 ng
 RT: 17.22 min Scan# 2572
 Delta R.T. -0.04 min
 Lab File: BF120639.D
 Acq: 17 Jun 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :
 RO-11

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.9	19.6	29.4	
138	25.9	16.5	24.7	

