

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121432.D
 Acq On : 25 Aug 2020 17:35
 Operator : JU/CG
 Sample : L3784-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-24

Quant Time: Aug 25 18:15:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	133510	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	540319	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	280734	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	553115	20.00	ng	0.00
76) Chrysene-d12	13.85	240	481624	20.00	ng	0.00
86) Perylene-d12	15.27	264	425099	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	674859	82.88	ng	0.01
7) Phenol-d6	6.35	99	821445	79.03	ng	0.00
23) Nitrobenzene-d5	7.26	82	529327	55.41	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	251148	76.77	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	974122	63.31	ng	0.00
79) Terphenyl-d14	12.80	244	1054955	42.80	ng	0.00

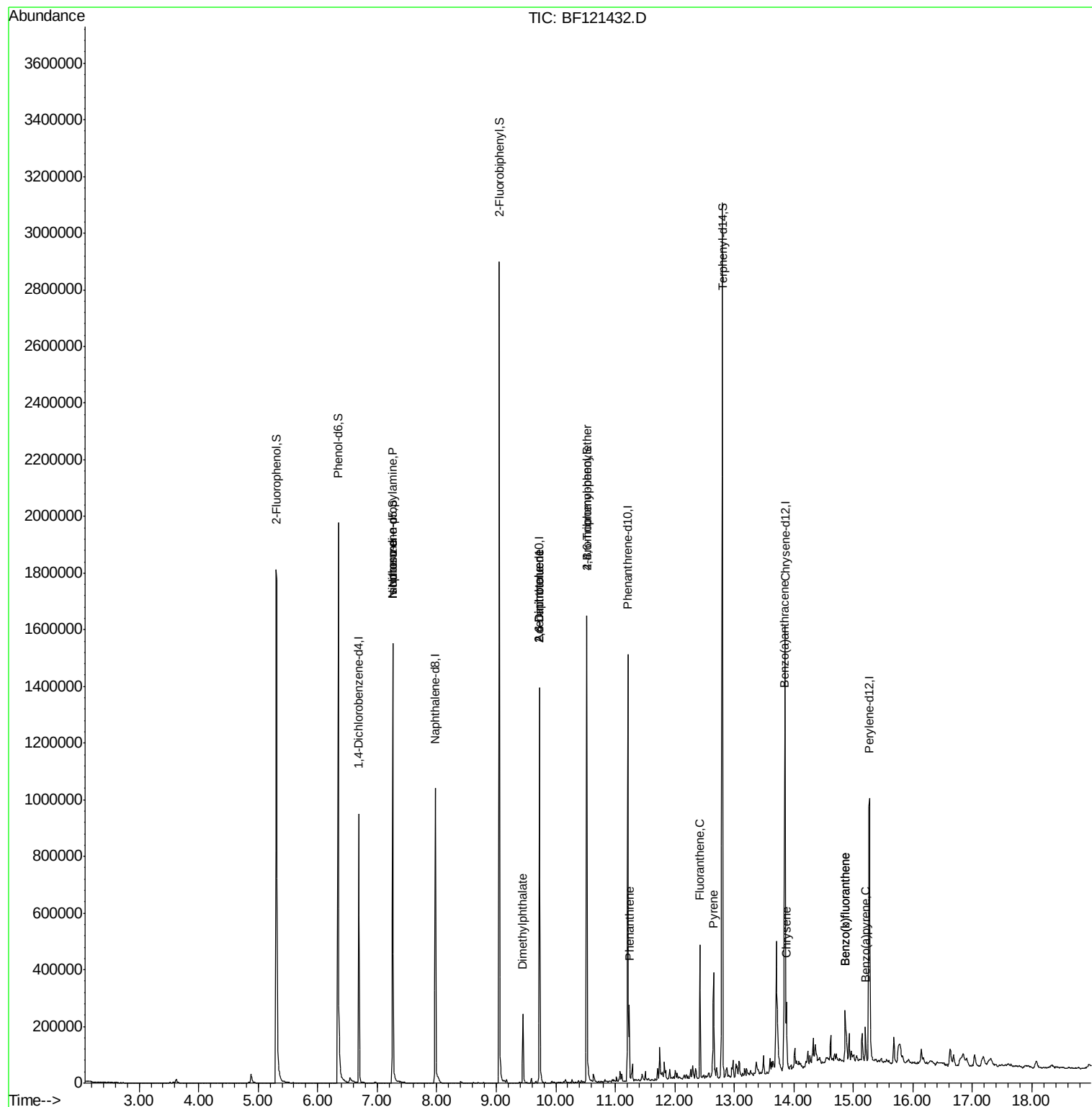
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	69185	12.376	ng	# 77
25) Isophorone	7.26	82	529323	30.445	ng	# 65
50) Dimethylphthalate	9.45	163	110086	5.390	ng	98
51) 2,6-Dinitrotoluene	9.73	165	36343	8.332	ng	# 30
55) Dibenzofuran	9.93	168	2957	Below Cal		# 93
57) 2,4-Dinitrotoluene	9.73	165	36343	6.830	ng	# 25
58) Fluorene	10.27	166	4138	Below Cal		# 86
67) 4-Bromophenyl-phenylether	10.52	248	14274	2.326	ng	# 1
71) Phenanthrene	11.23	178	86844	3.034	ng	98
75) Fluoranthene	12.42	202	178291	5.738	ng	99
78) Pyrene	12.65	202	148826	4.114	ng	99
81) Benzo(a)anthracene	13.84	228	86975	2.907	ng	97
83) Chrysene	13.87	228	79917	2.612	ng	97
88) Benzo(b)fluoranthene	14.86	252	120016	4.370	ng	99
89) Benzo(k)fluoranthene	14.86	252	120016	4.965	ng	99
90) Benzo(a)pyrene	15.20	252	55050	2.320	ng	100

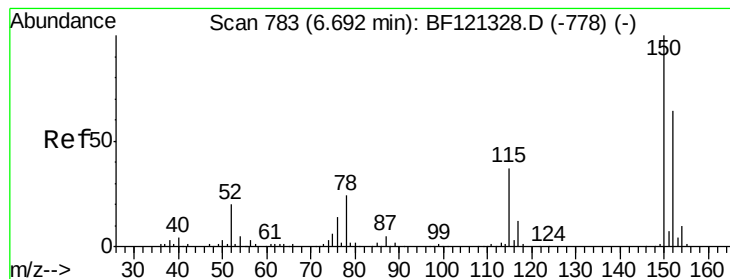
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.69 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

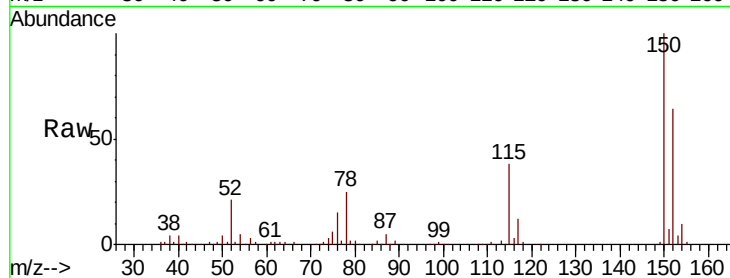
Tot Ion:152 Resp: 133510

Ion Ratio Lower Upper

152 100

150 157.5 124.8 187.2

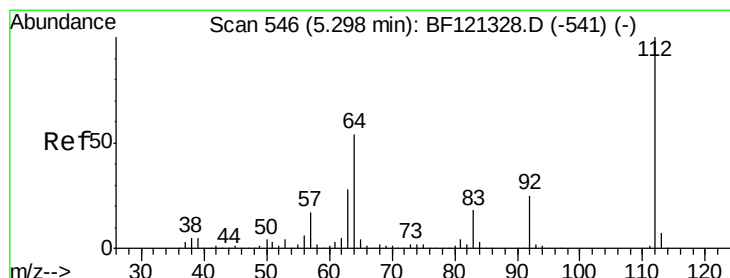
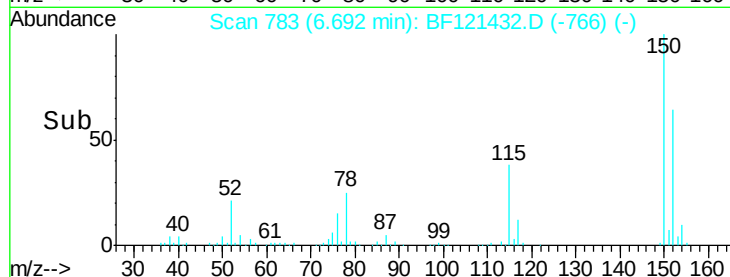
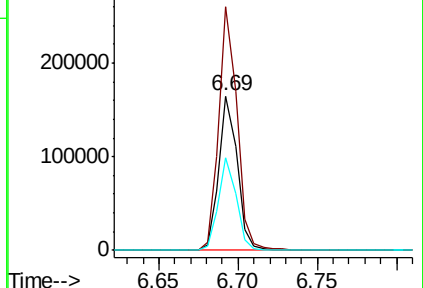
115 59.6 46.1 69.1



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: 82.884 ng

RT: 5.31 min Scan# 548

Delta R.T. 0.01 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

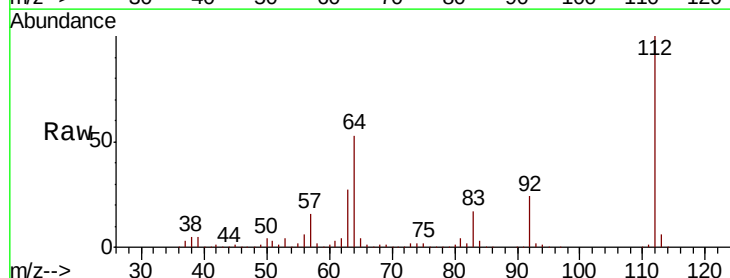
Tgt Ion:112 Resp: 674859

Ion Ratio Lower Upper

112 100

64 53.0 43.5 65.3

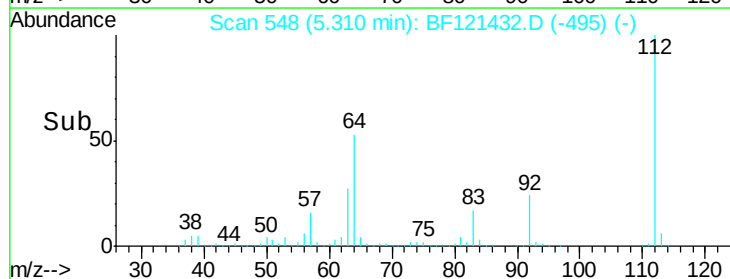
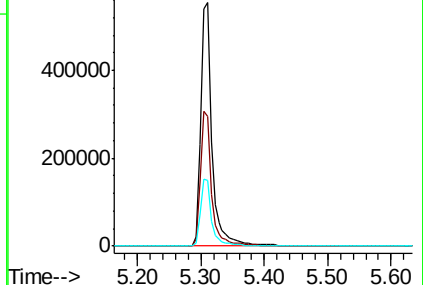
63 26.9 22.0 33.0

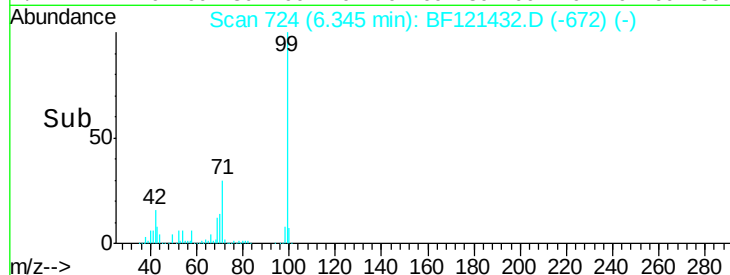
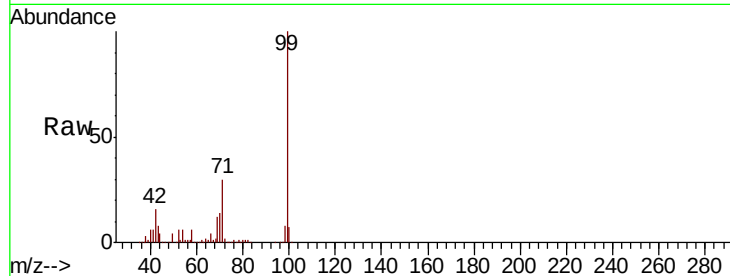
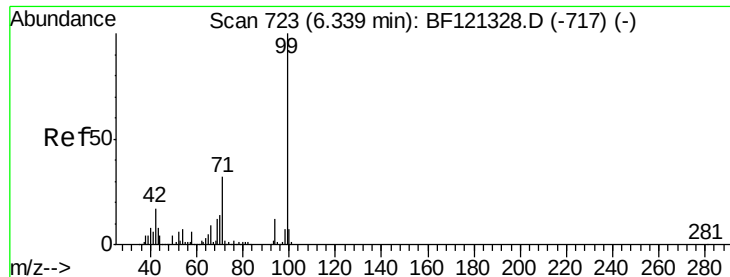


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.029 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

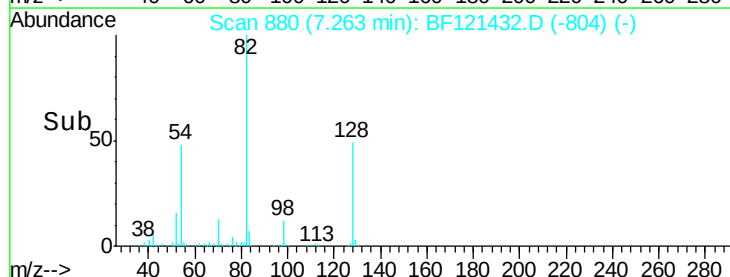
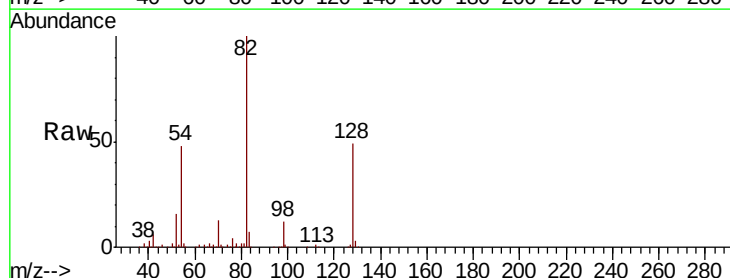
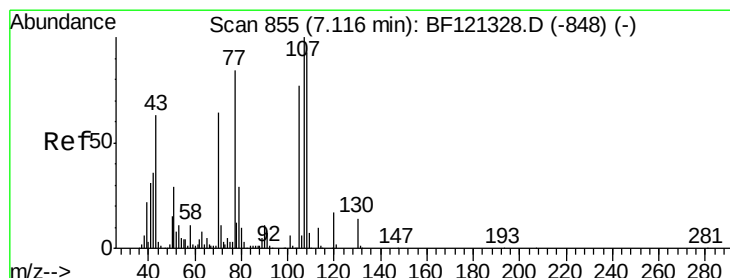
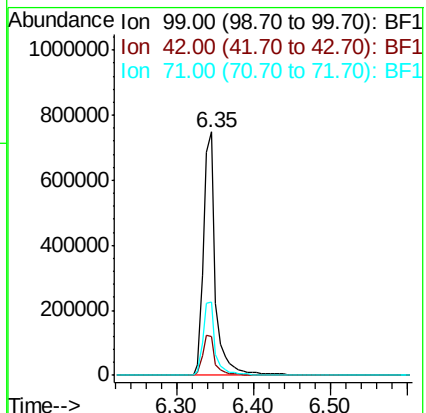
Tot Ion: 99 Resp: 821445

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

71 30.3 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.376 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Tgt Ion: 70 Resp: 69185

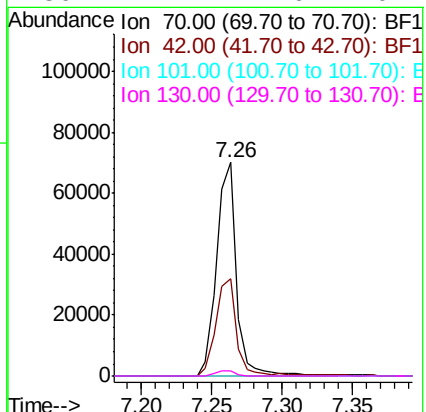
Ion Ratio Lower Upper

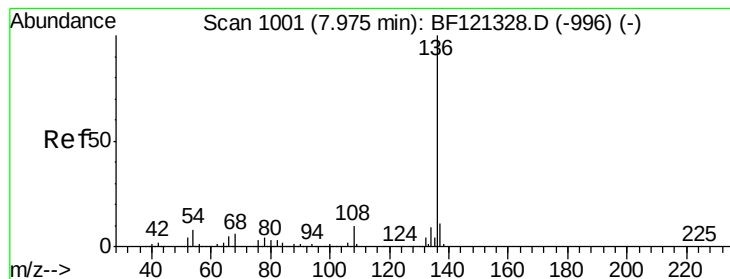
70 100

42 45.7 45.2 67.8

101 0.0 7.7 11.5#

130 2.4 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

Tot Ion:136 Resp: 540319

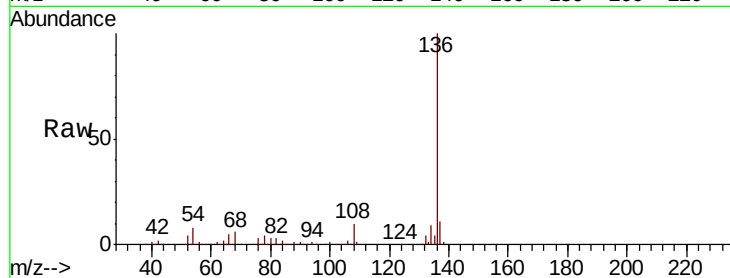
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.1 6.1 9.1

68 6.3 5.0 7.4

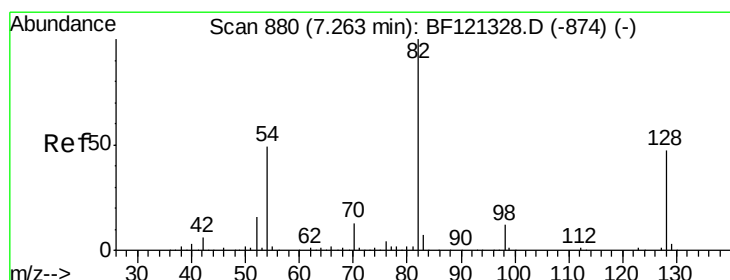
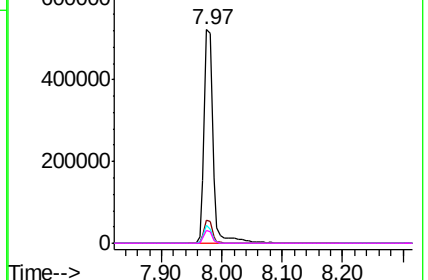
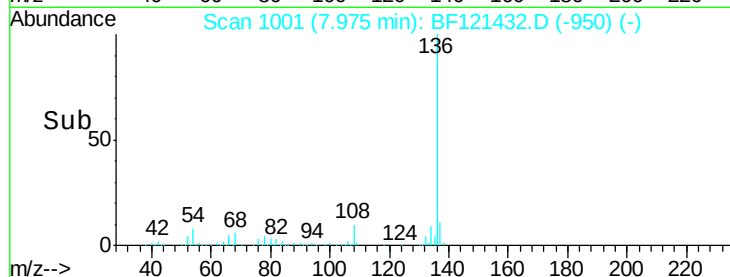


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.406 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

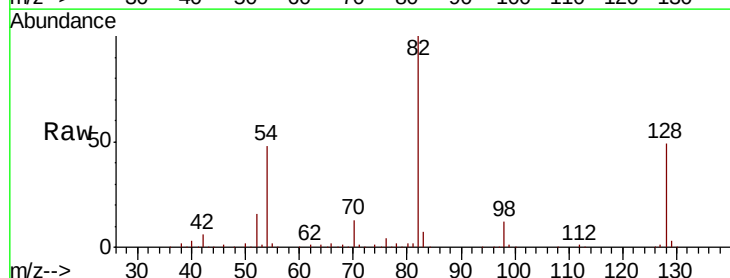
Tgt Ion: 82 Resp: 529327

Ion Ratio Lower Upper

82 100

128 49.3 37.9 56.9

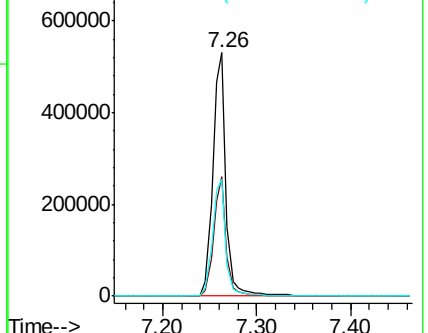
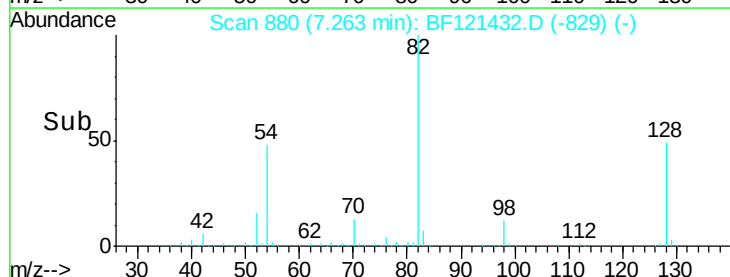
54 48.1 39.0 58.4

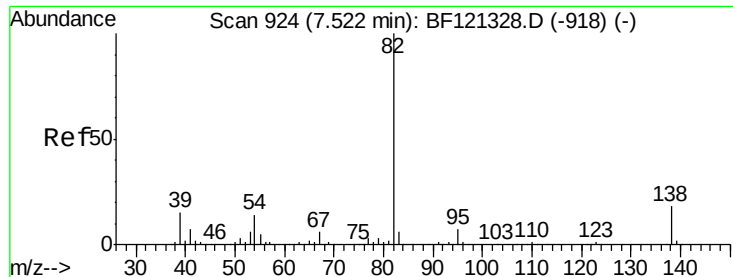


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

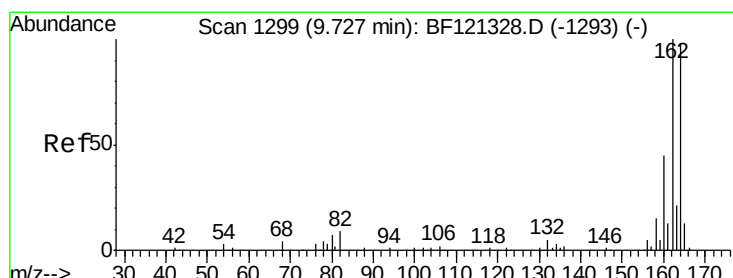
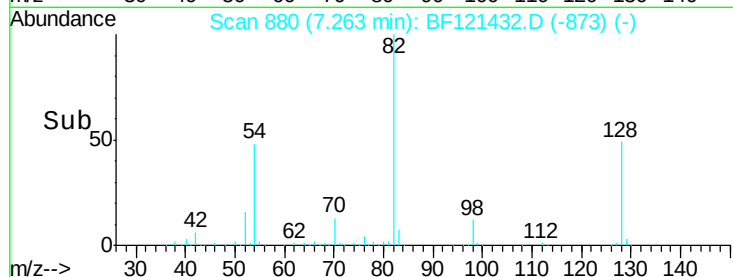
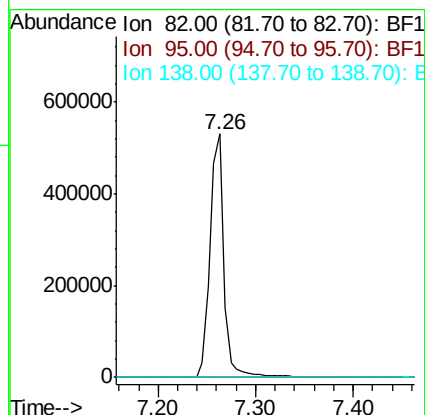
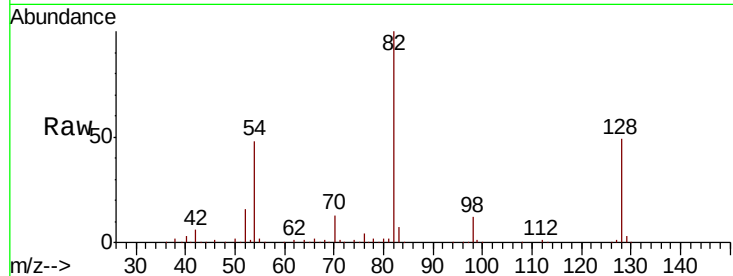




#25
Isophorone
Concen: 30.445 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.26 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

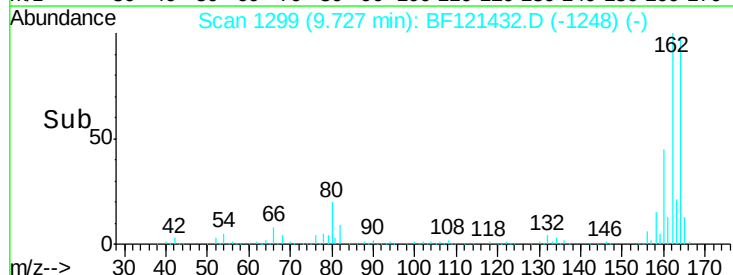
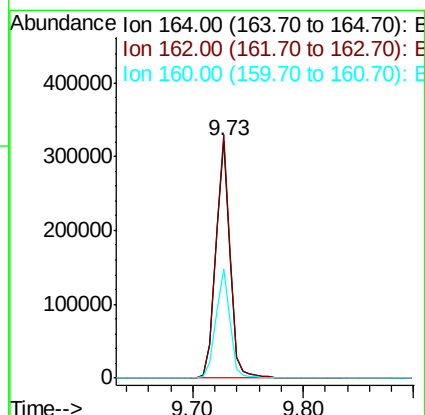
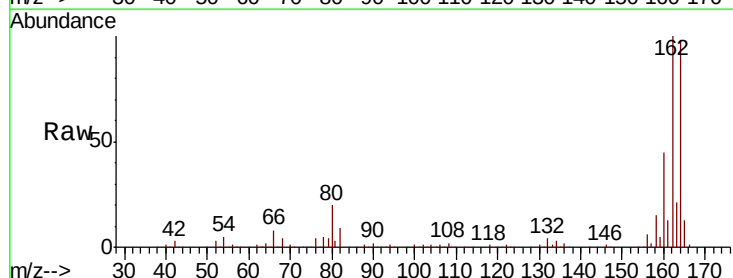
Instrument :
BNA_F
ClientSampleId :
RO-24

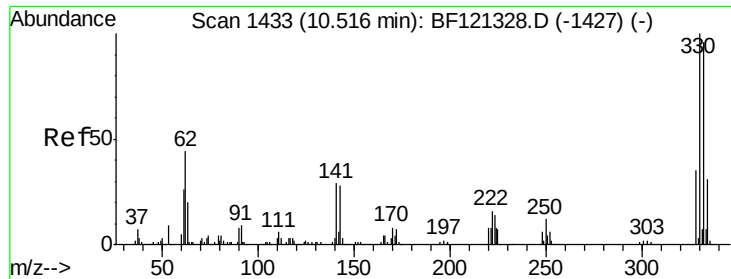
Tot Ion: 82 Resp: 529323
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

Tgt Ion: 164 Resp: 280734
Ion Ratio Lower Upper
164 100
162 102.5 81.7 122.5
160 46.0 37.0 55.4

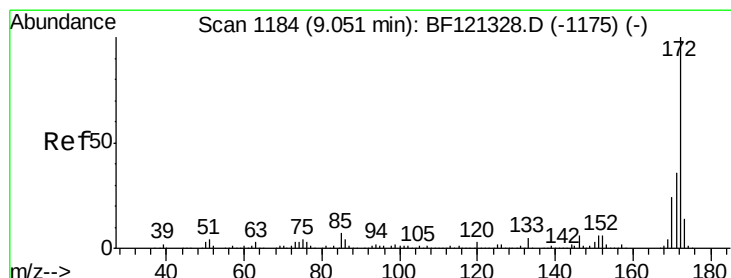
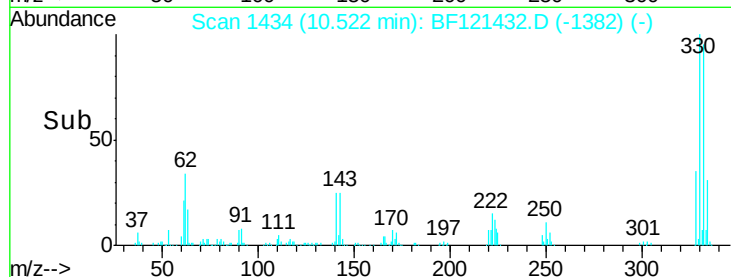
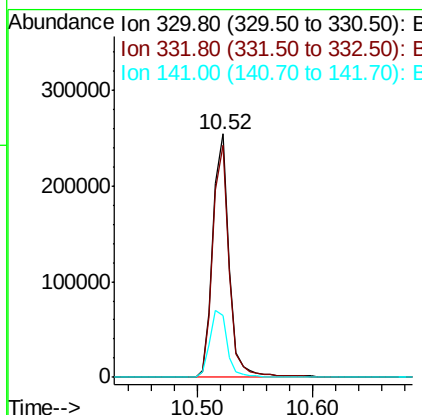
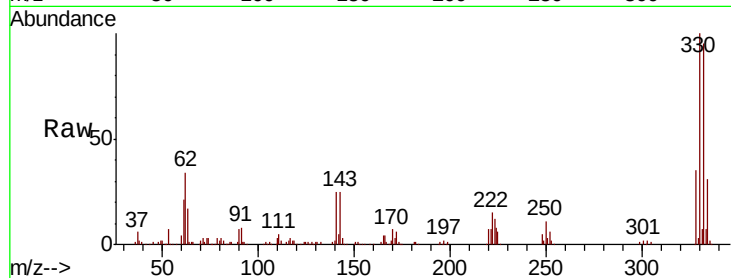




#42
 2,4,6-Tribromophenol
 Concen: 76.770 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121432.D
 Acq: 25 Aug 2020 17:35

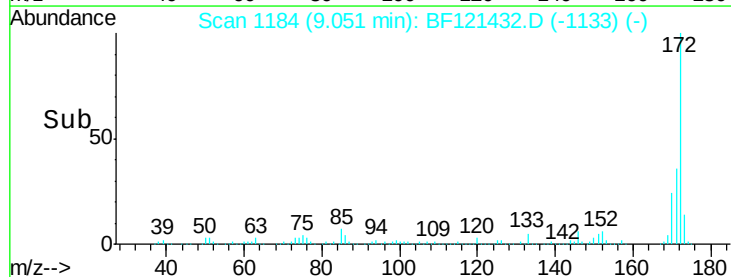
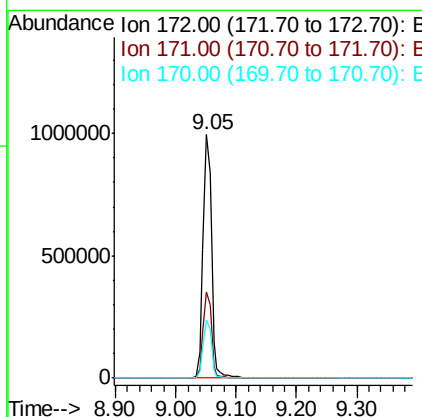
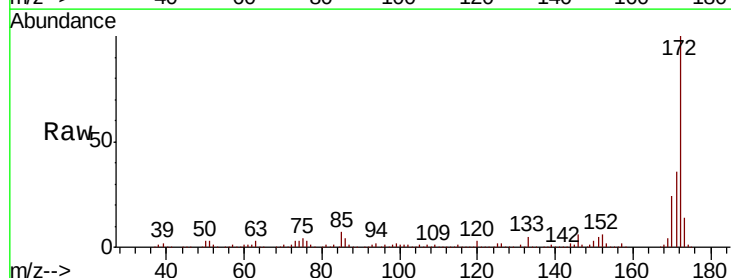
Instrument :
 BNA_F
 ClientSampleId :
 RO-24

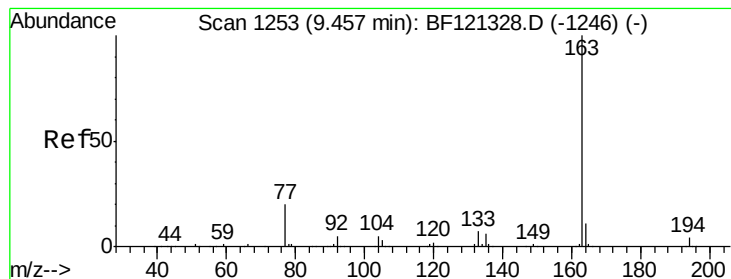
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	29.9	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 63.314 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121432.D
 Acq: 25 Aug 2020 17:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	24.0	19.4	29.2





#50

Dimethylphthalate

Concen: 5.390 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

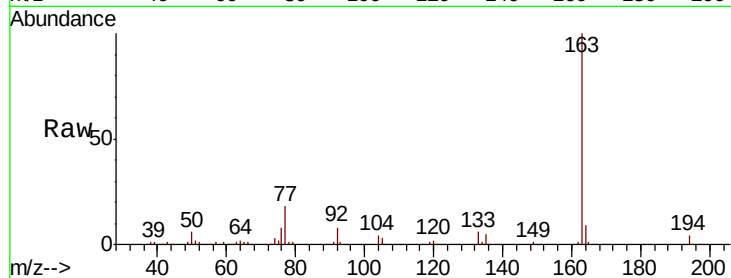
Tot Ion:163 Resp: 110086

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

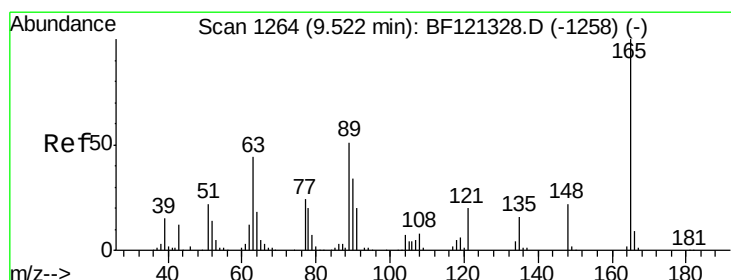
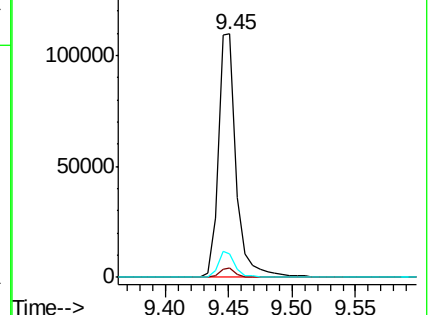
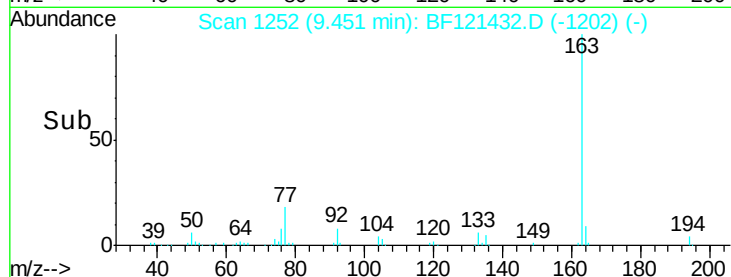
164 9.5 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.332 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

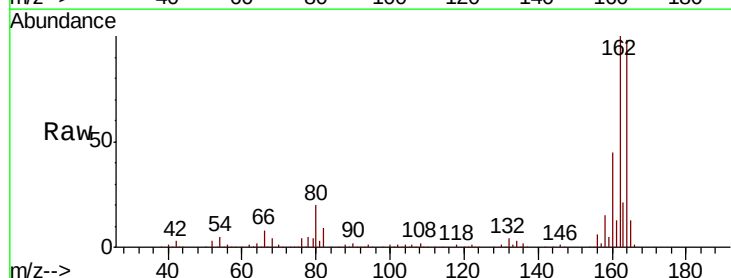
Tgt Ion:165 Resp: 36343

Ion Ratio Lower Upper

165 100

63 1.7 38.5 57.7#

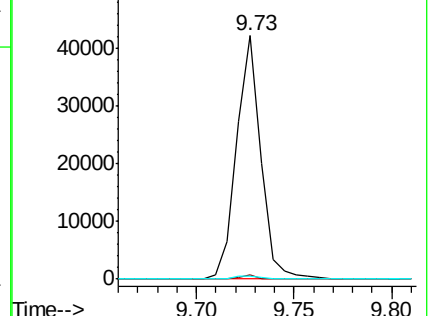
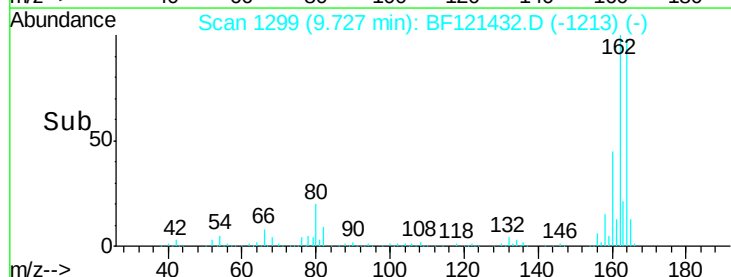
89 1.2 41.2 61.8#

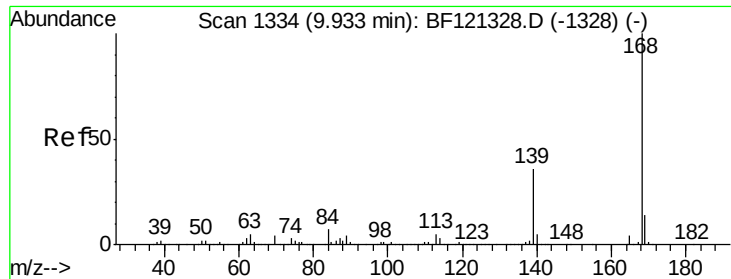


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

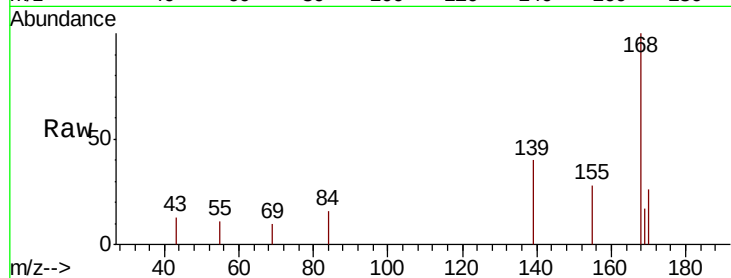
Tot Ion:168 Resp: 2957

Ion Ratio Lower Upper

168 100

139 40.2 29.1 43.7

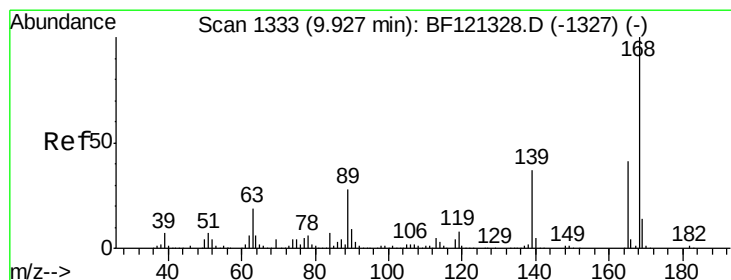
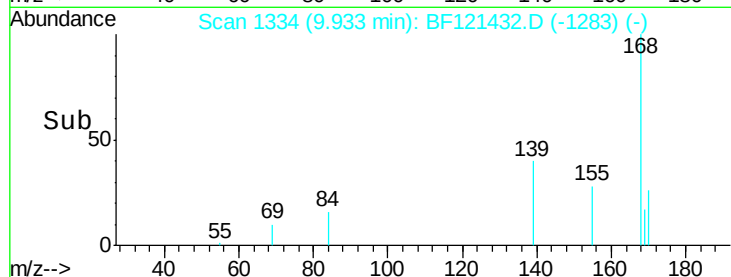
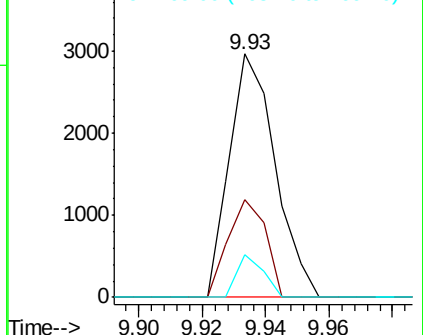
169 17.4 11.0 16.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

2,4-Dinitrotoluene

Concen: 6.830 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.20 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Tgt Ion:165 Resp: 36343

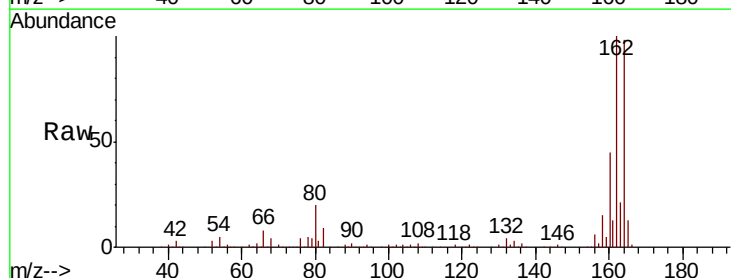
Ion Ratio Lower Upper

165 100

63 1.7 37.5 56.3#

89 1.2 54.2 81.4#

182 0.0 2.2 3.4#

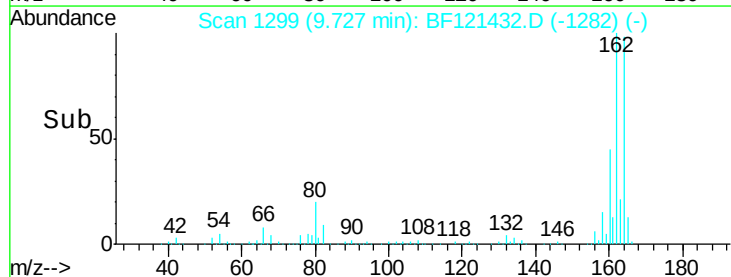
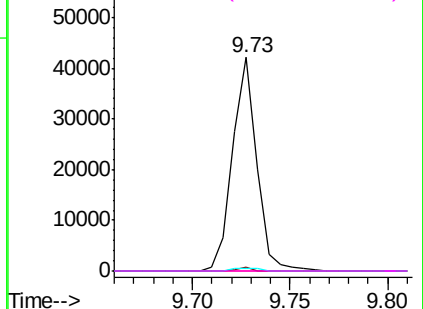


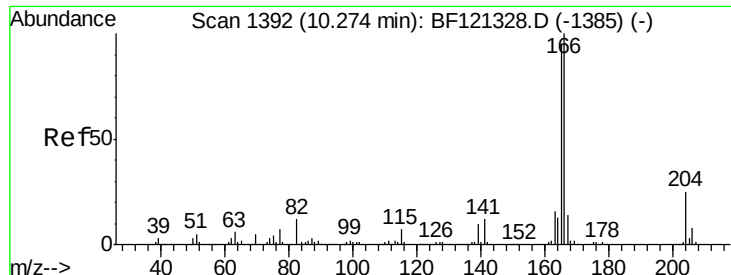
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

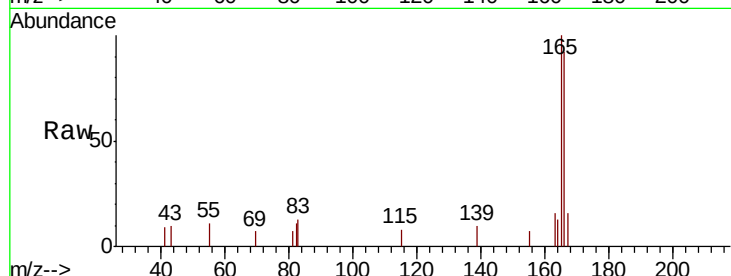
Tot Ion:166 Resp: 4138

Ion Ratio Lower Upper

166 100

165 108.7 75.8 113.8

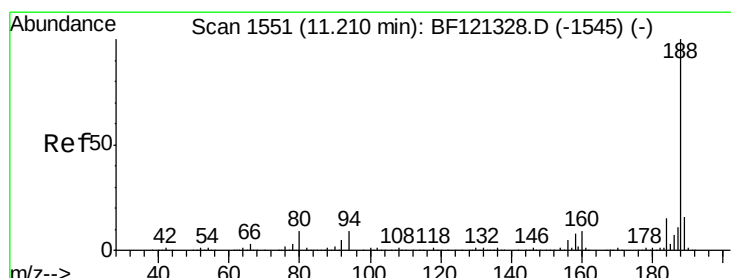
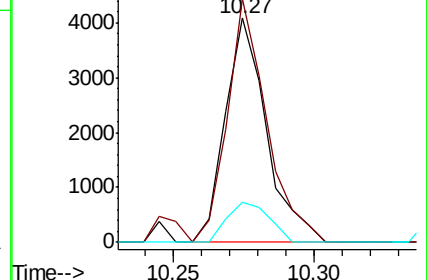
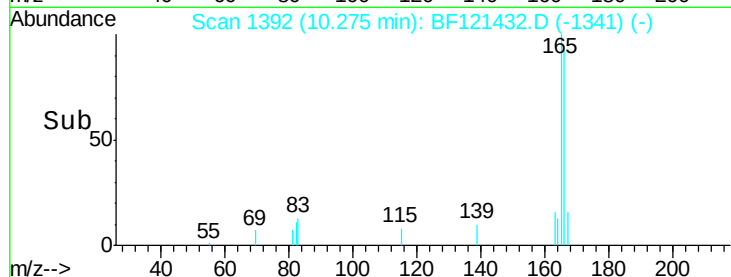
167 17.7 11.0 16.4#



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: 11.21 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

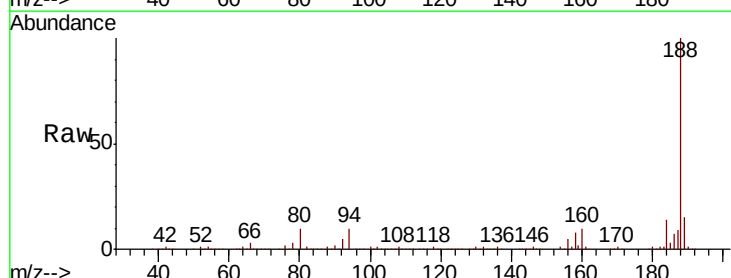
Tgt Ion:188 Resp: 553115

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

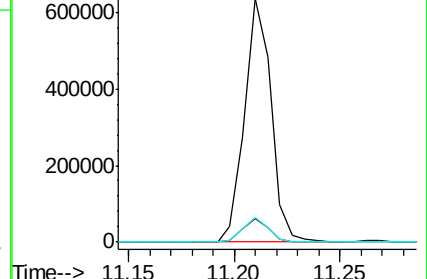
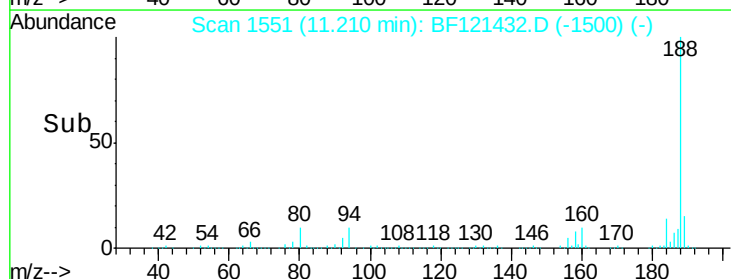
80 10.0 7.4 11.0

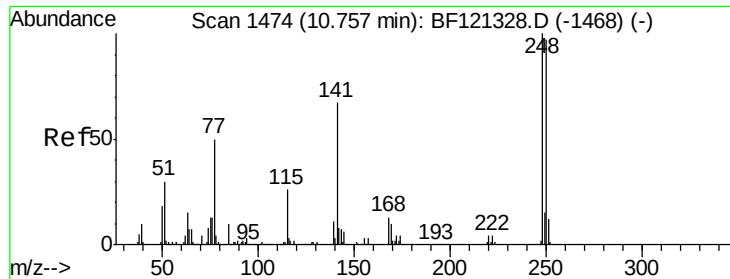


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

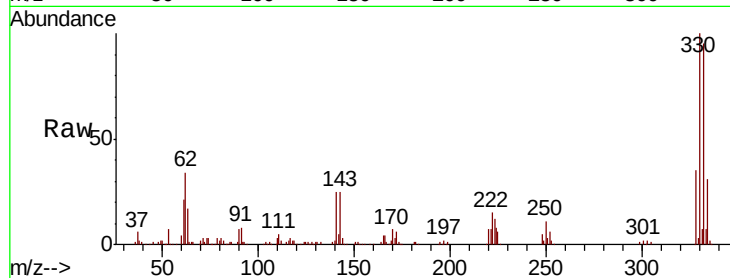




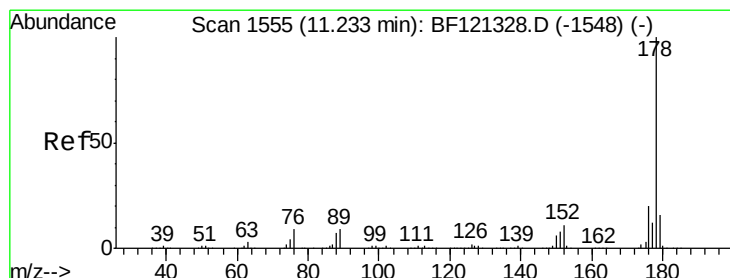
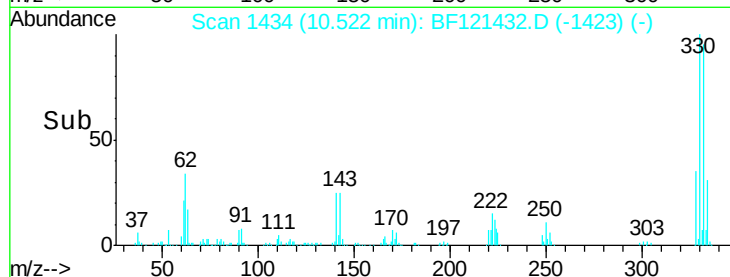
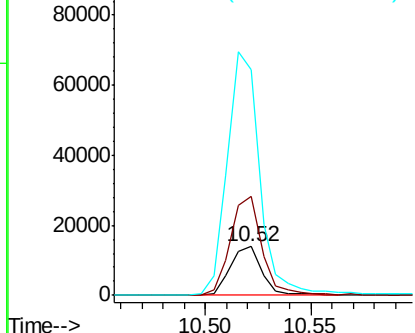
#67
 4-Bromophenyl-phenylether
 Concen: 2.326 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF121432.D
 Acq: 25 Aug 2020 17:35

Instrument :
 BNA_F
 ClientSampleId :
 RO-24

Tot Ion:248 Resp: 14274
 Ion Ratio Lower Upper
 248 100
 250 203.7 77.9 116.9#
 141 464.8 53.5 80.3#

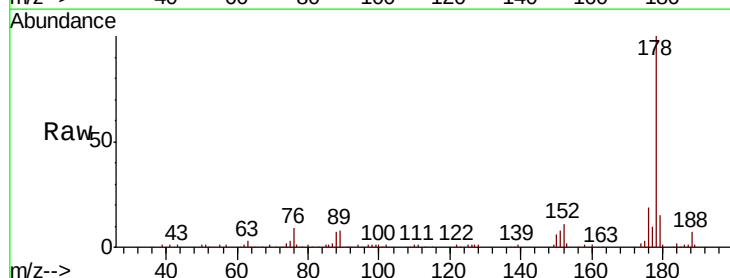


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

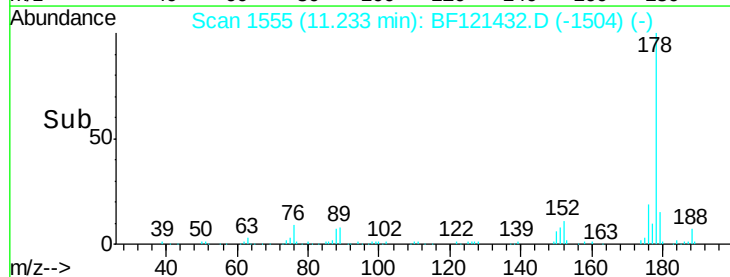
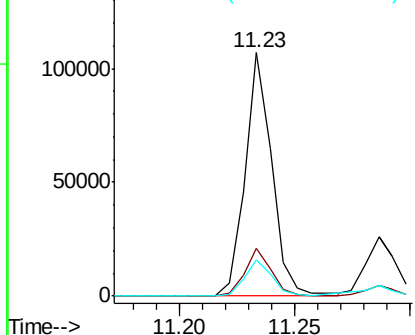


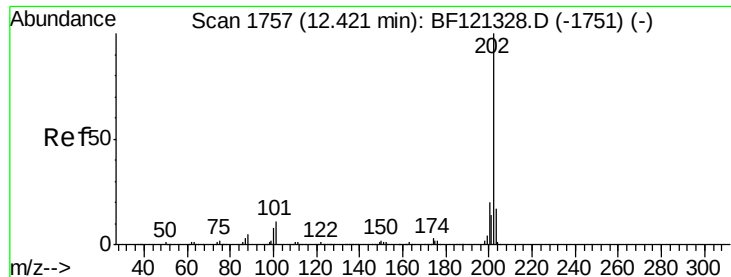
#71
 Phenanthrene
 Concen: 3.034 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF121432.D
 Acq: 25 Aug 2020 17:35

Tgt Ion:178 Resp: 86844
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.0 24.0
 179 15.0 12.8 19.2



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: 5.738 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampled :

RO-24

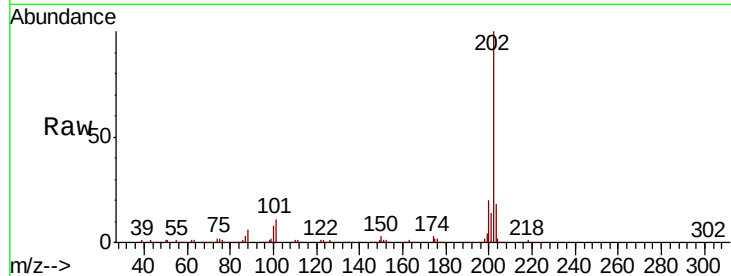
Tot Ion:202 Resp: 178291

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.6

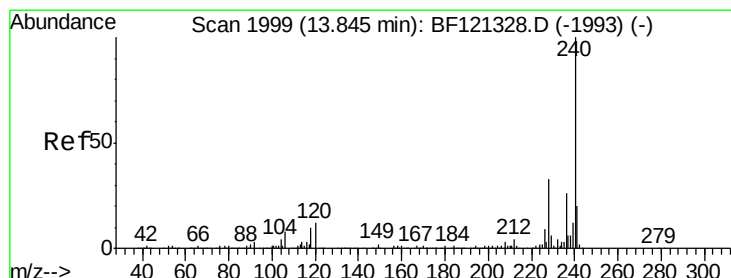
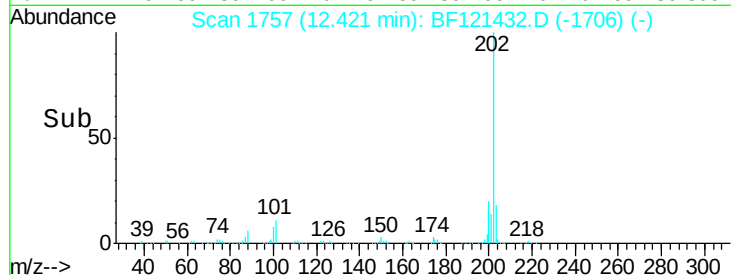
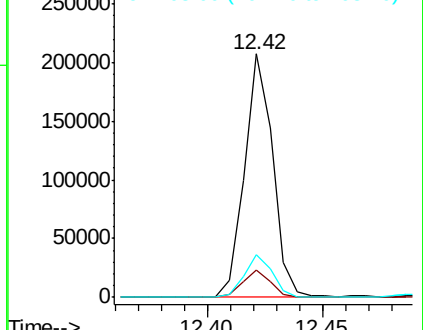
203 17.6 0.0 37.5



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: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

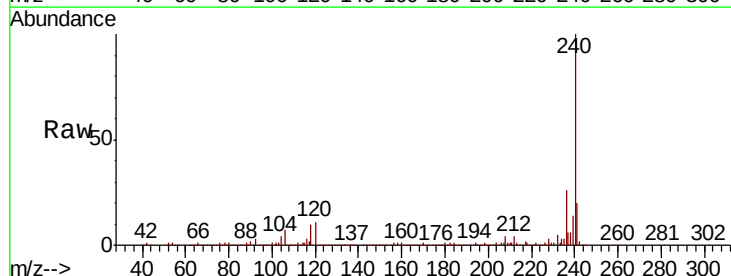
Tgt Ion:240 Resp: 481624

Ion Ratio Lower Upper

240 100

120 11.0 9.6 14.4

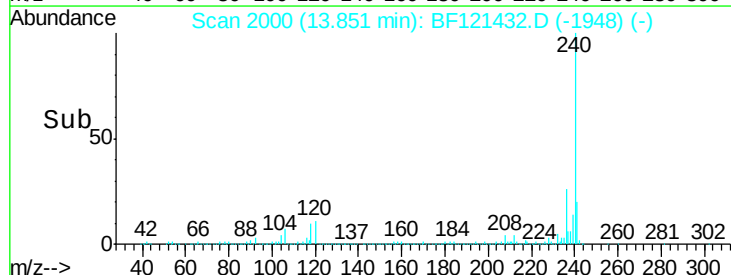
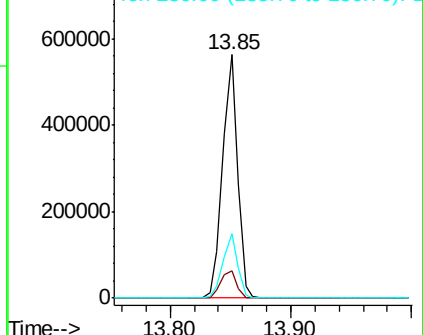
236 26.2 20.6 31.0

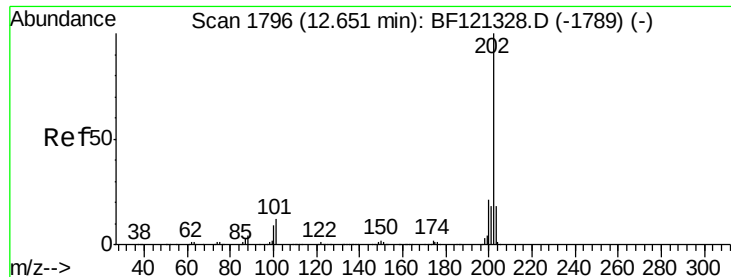


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

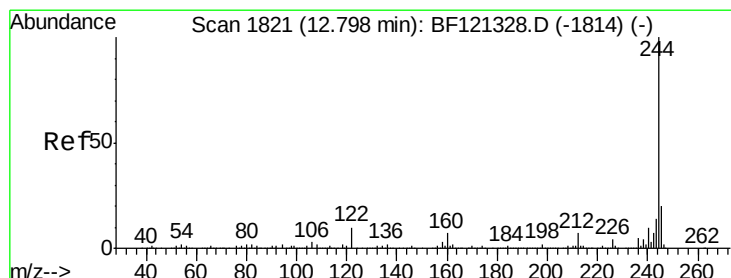
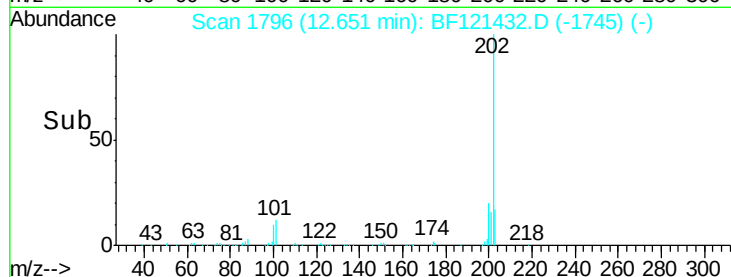
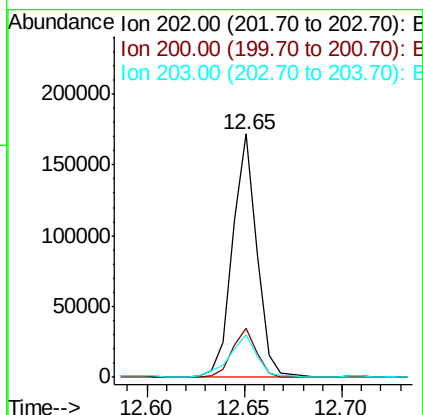
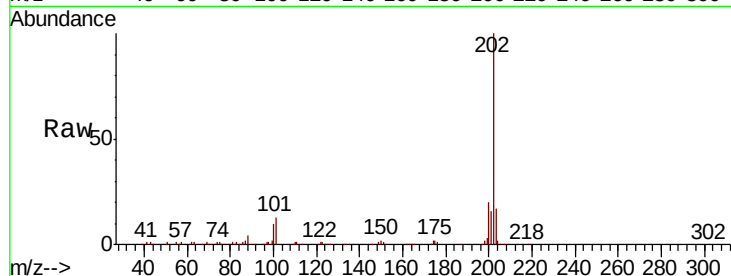




#78
Pvrene
Concen: 4.114 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

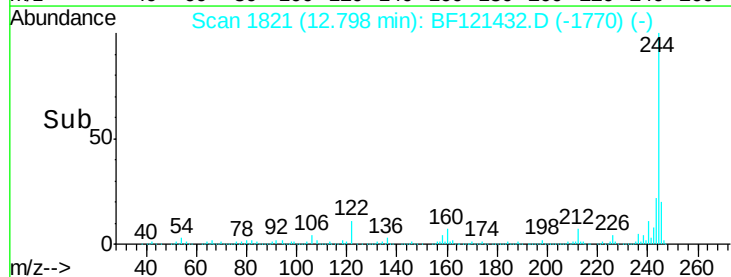
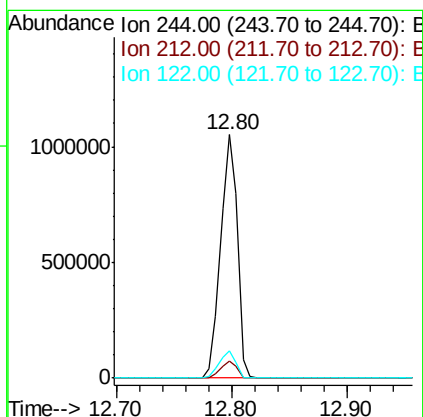
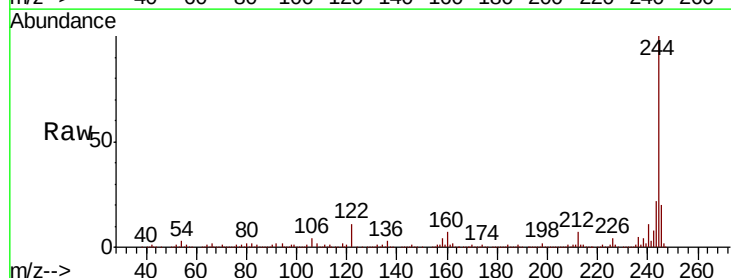
Instrument :
BNA_F
ClientSampleId :
RO-24

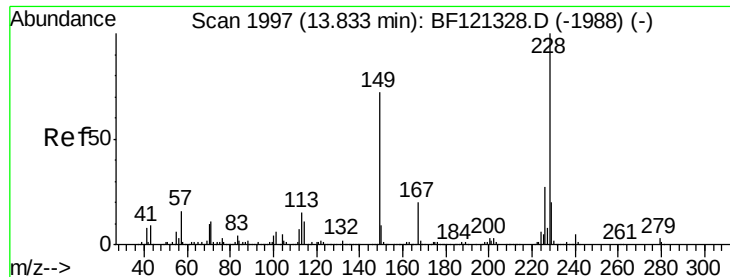
Tot Ion:202 Resp: 148826
Ion Ratio Lower Upper
202 100
200 20.0 16.6 24.8
203 17.4 14.2 21.2



#79
Terphenyl-d14
Concen: 42.804 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

Tgt Ion:244 Resp: 1054955
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 11.3 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.907 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

Instrument :

BNA_F

ClientSampleId :

RO-24

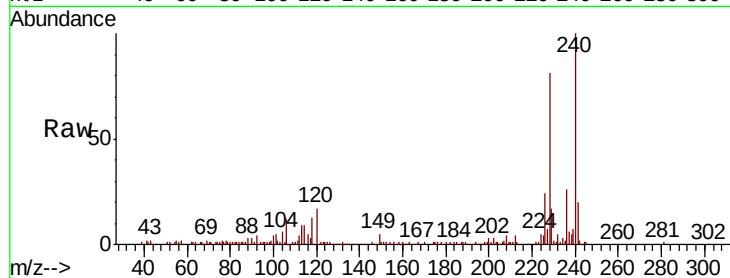
Tot Ion:228 Resp: 86975

Ion Ratio Lower Upper

228 100

226 28.9 21.8 32.6

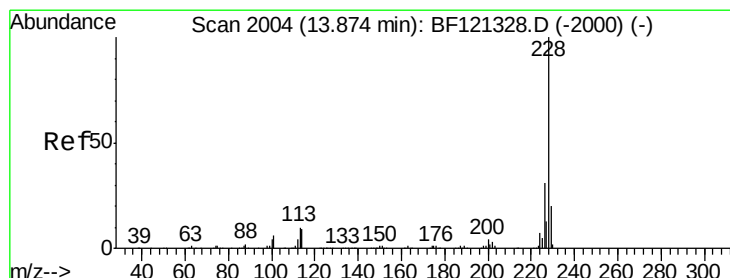
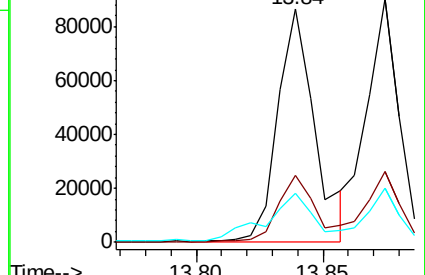
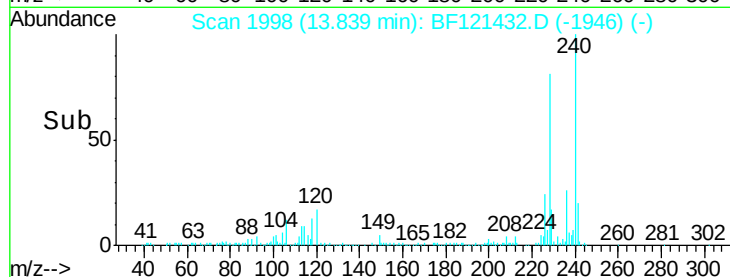
229 21.0 15.8 23.8



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: 2.612 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF121432.D

Acq: 25 Aug 2020 17:35

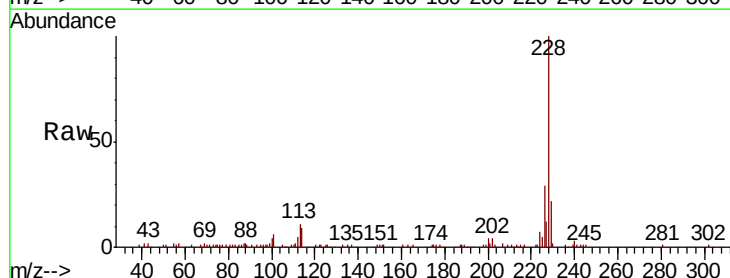
Tgt Ion:228 Resp: 79917

Ion Ratio Lower Upper

228 100

226 29.3 24.6 36.8

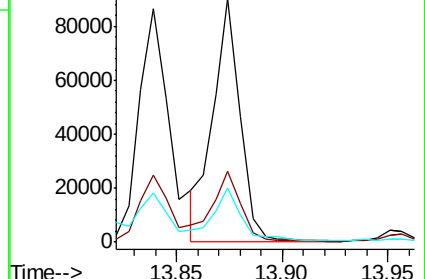
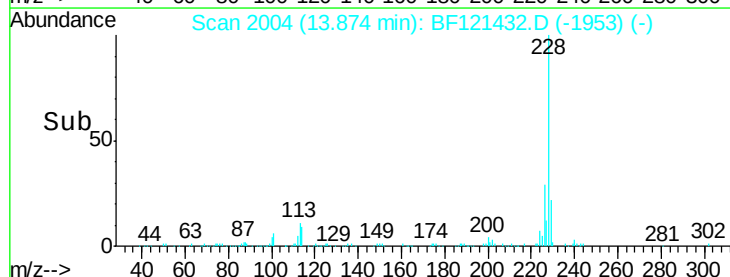
229 22.0 15.9 23.9

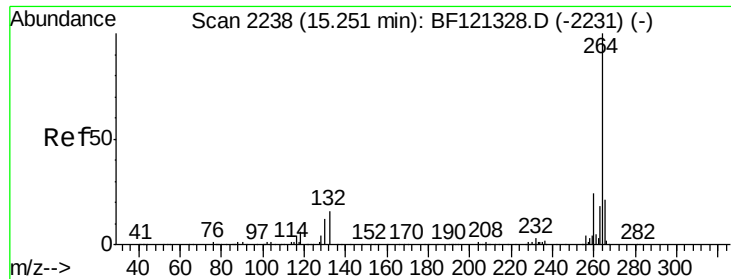


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

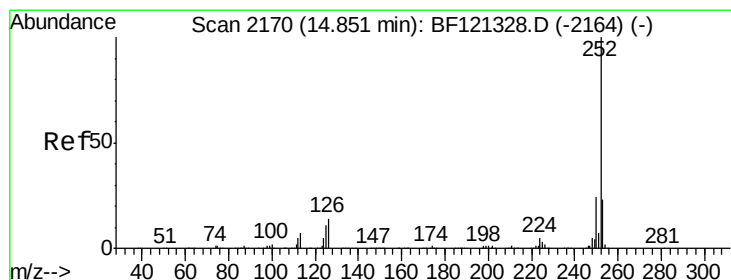
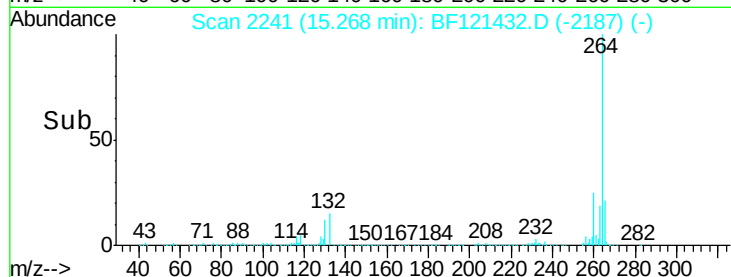
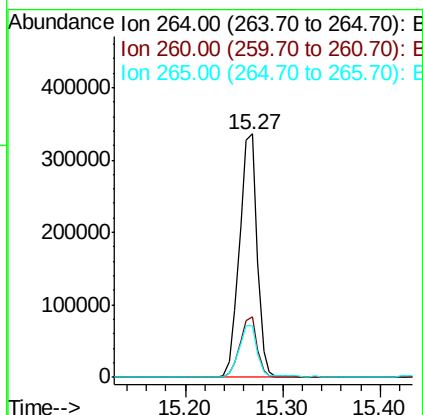
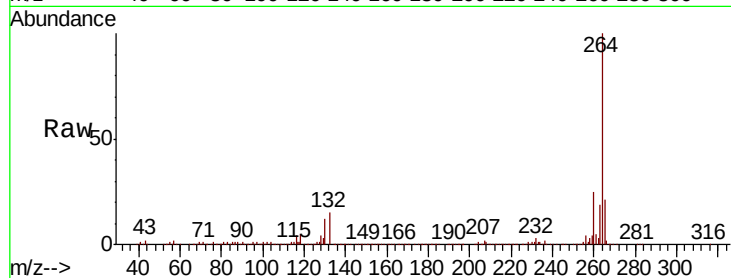




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

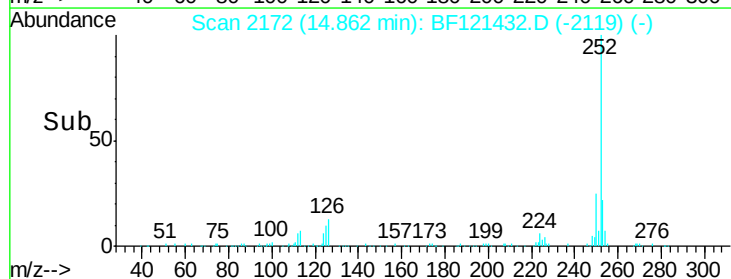
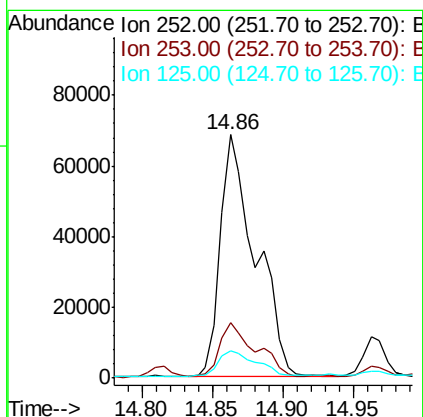
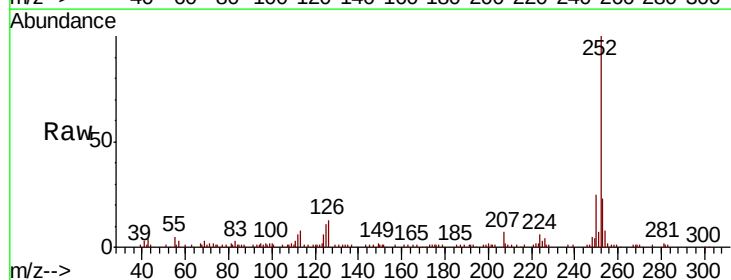
Instrument :
BNA_F
ClientSampleId :
RO-24

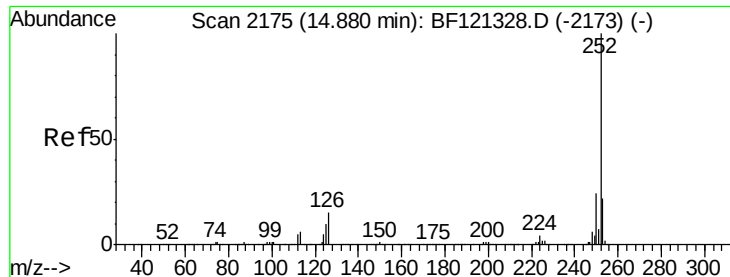
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.3	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 4.370 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.2	8.6	12.8

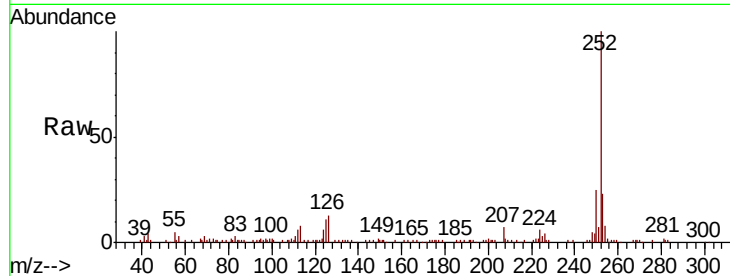




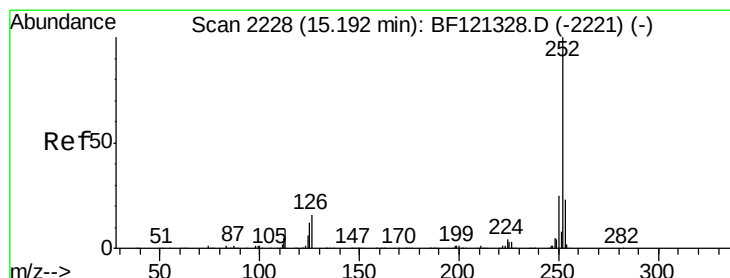
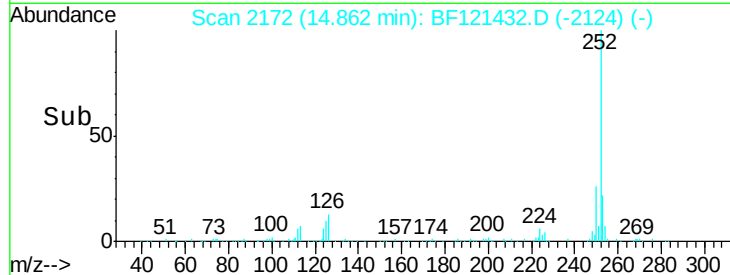
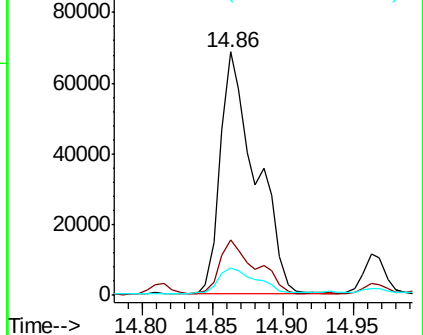
#89
Benzo(k)fluoranthene
Concen: 4.965 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

Instrument :
BNA_F
ClientSampleId :
RO-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.2	8.6	12.8

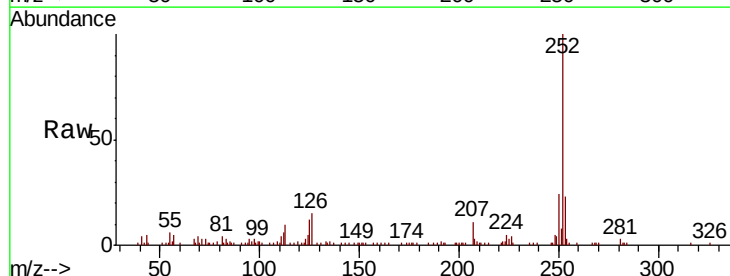


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.320 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF121432.D
Acq: 25 Aug 2020 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.8	9.4	14.0



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

