

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061720\
 Data File : BF120636.D
 Acq On : 17 Jun 2020 16:57
 Operator : JU/CG
 Sample : L3024-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-7

Quant Time: Jun 17 17:31:24 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	141897	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	535452	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	276240	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	545735	20.00	ng	-0.01
76) Chrysene-d12	13.95	240	490761	20.00	ng	-0.01
86) Perylene-d12	15.39	264	541003	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	590787	71.38	ng	-0.01
7) Phenol-d6	6.43	99	757920	73.52	ng	-0.01
23) Nitrobenzene-d5	7.36	82	488292	50.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	248275	77.30	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1023744	56.70	ng	-0.01
79) Terphenyl-d14	12.90	244	1308570	58.90	ng	-0.01

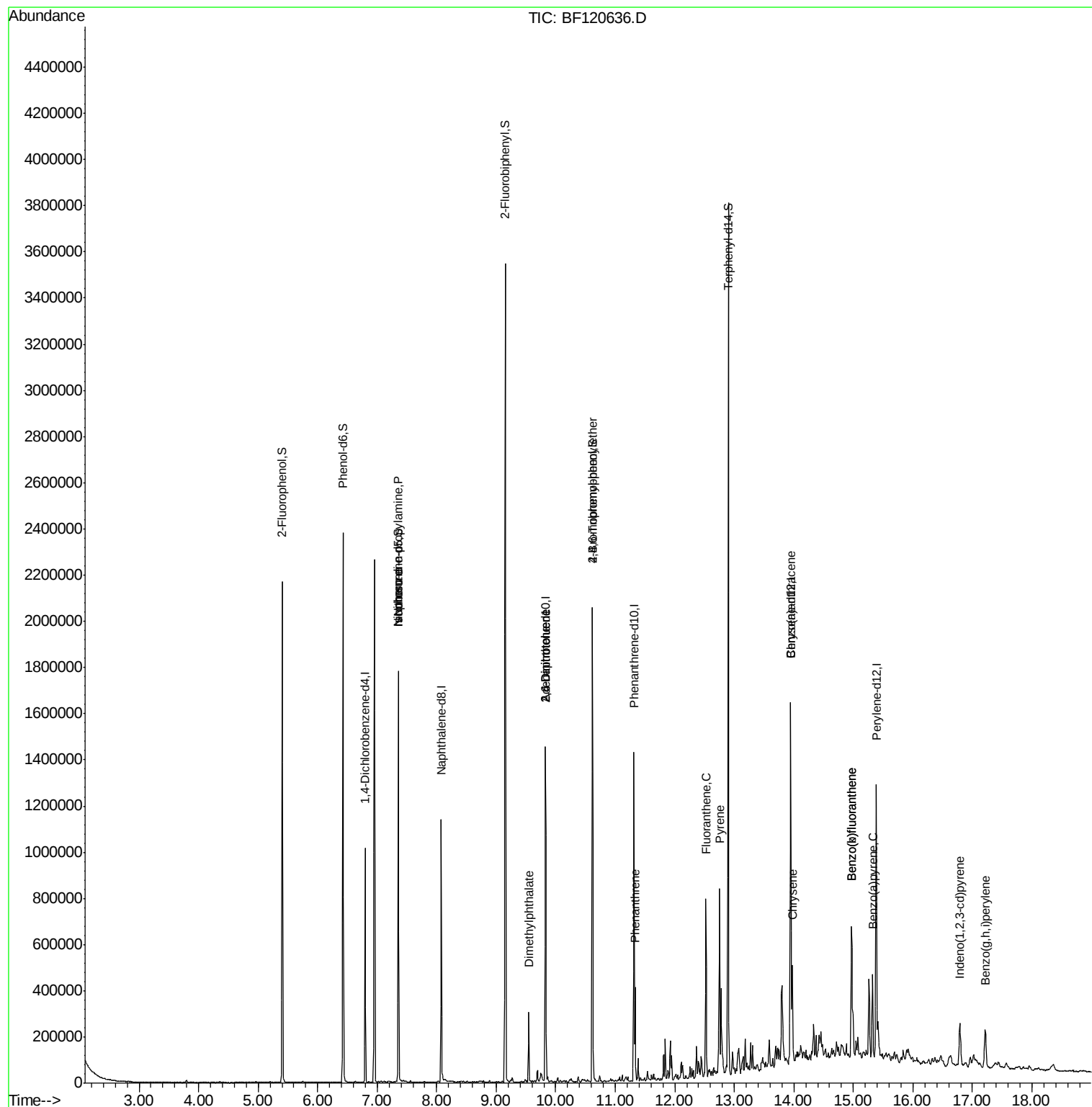
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	64471	10.782	ng	# 78
25) Isophorone	7.36	82	485560	26.021	ng	# 62
50) Dimethylphthalate	9.55	163	107009	5.379	ng	99
51) 2,6-Dinitrotoluene	9.83	165	35817	7.944	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	35817	5.987	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	14574	2.353	ng	# 1
71) Phenanthrene	11.33	178	141854	5.229	ng	99
75) Fluoranthene	12.52	202	271863	8.765	ng	99
78) Pyrene	12.75	202	317600	9.135	ng	98
81) Benzo(a)anthracene	13.94	228	157834	5.353	ng	96
83) Chrysene	13.97	228	185941	6.148	ng	98
87) Indeno(1,2,3-cd)pyrene	16.79	276	123895	3.765	ng	97
88) Benzo(b)fluoranthene	14.97	252	366489	11.372	ng	99
89) Benzo(k)fluoranthene	14.97	252	366489	12.852	ng	99
90) Benzo(a)pyrene	15.32	252	167350	5.802	ng	99
92) Benzo(g,h,i)perylene	17.22	276	128521	4.832	ng	99

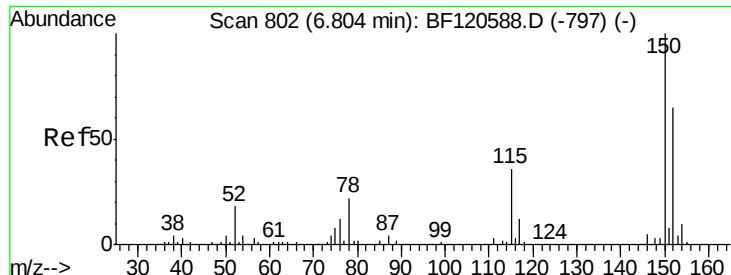
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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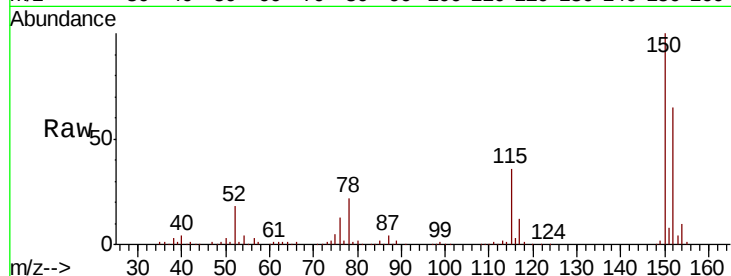


#1

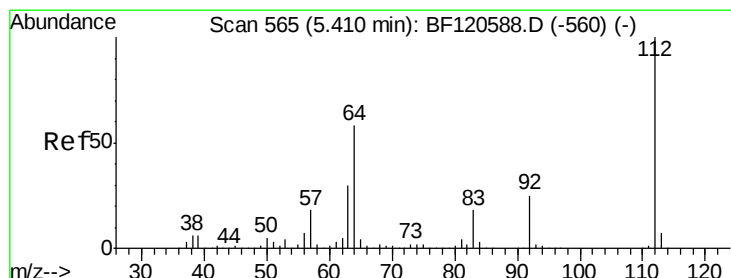
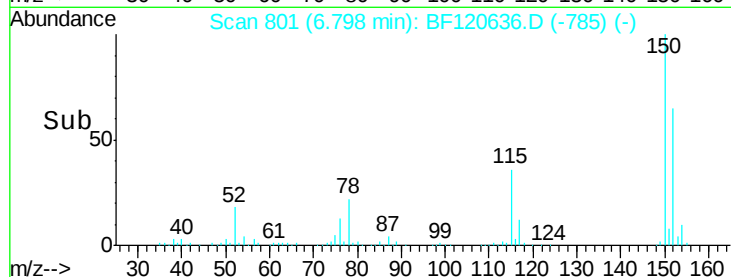
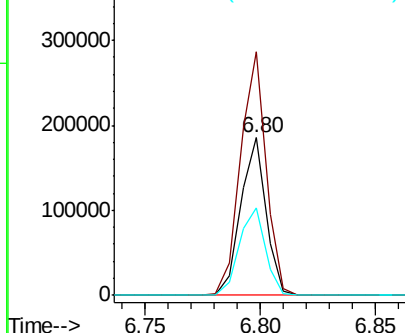
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Instrument :
BNA_F
ClientSampleId :
RO-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.2	184.8
115	55.5	43.9	65.9



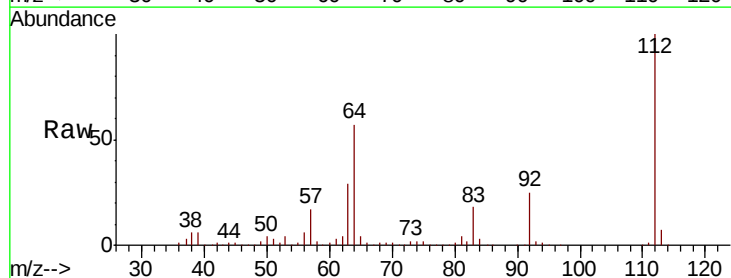
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



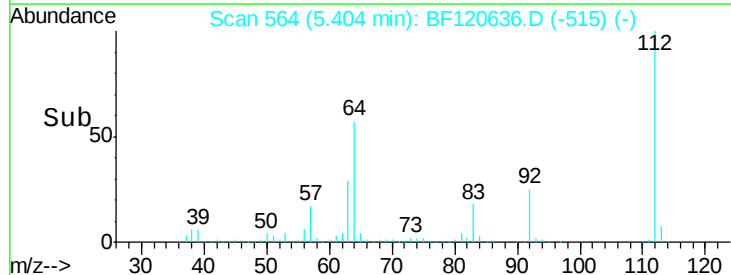
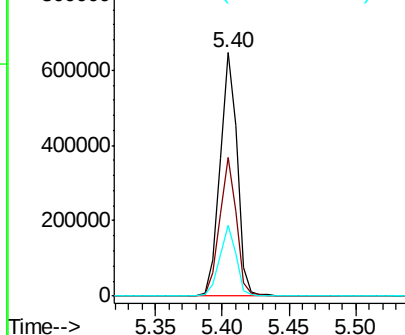
#5

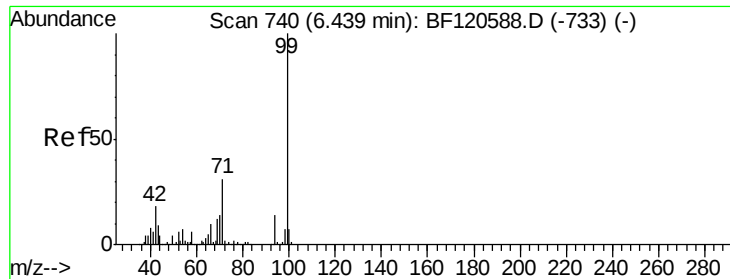
2-Fluorophenol
Concen: 71.381 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.1	69.1
63	29.0	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: 73.525 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Instrument :

BNA_F

ClientSampled :

RO-7

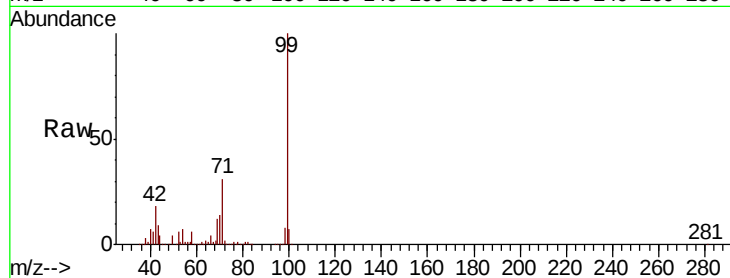
Tot Ion: 99 Resp: 757920

Ion Ratio Lower Upper

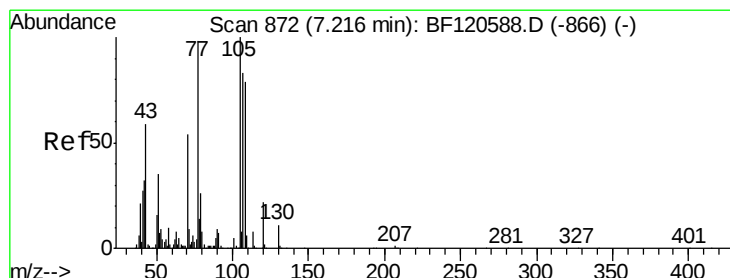
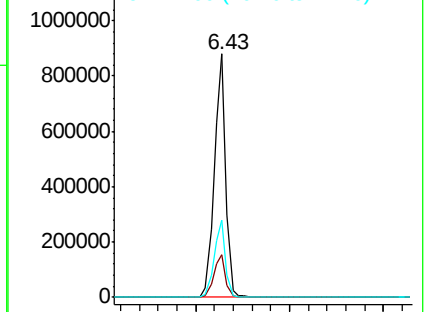
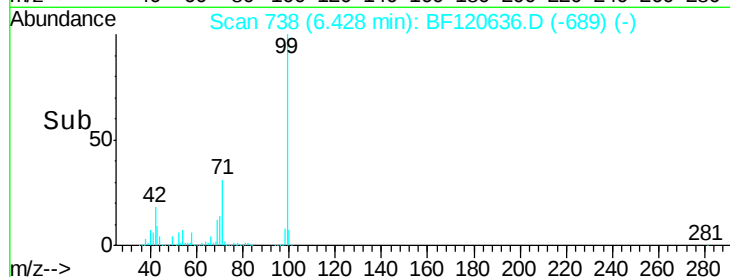
99 100

42 17.6 14.0 21.0

71 31.5 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
1200000
Ion 42.00 (41.70 to 42.70): BF1
1000000
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.782 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Tgt Ion: 70 Resp: 64471

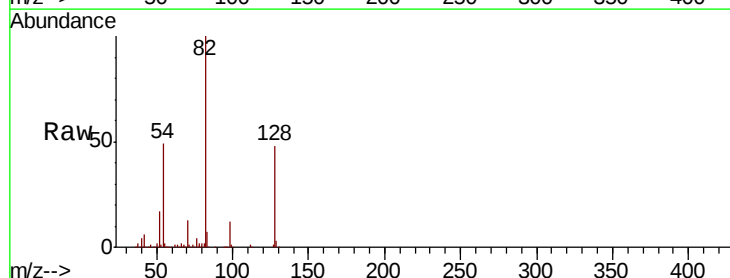
Ion Ratio Lower Upper

70 100

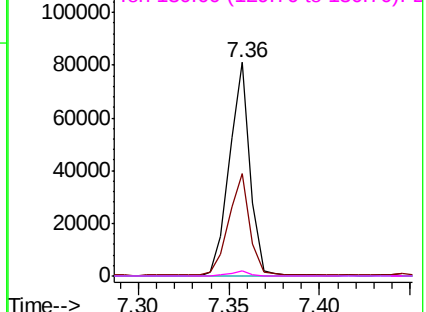
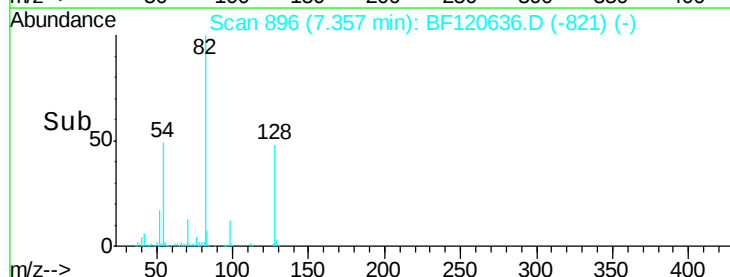
42 48.2 47.7 71.5

101 0.0 7.6 11.4#

130 2.5 16.7 25.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
120000
Ion 42.00 (41.70 to 42.70): BF1
100000
Ion 101.00 (100.70 to 101.70): BF1
80000
Ion 130.00 (129.70 to 130.70): BF1

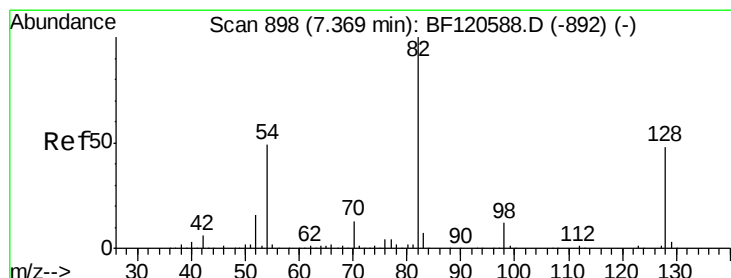
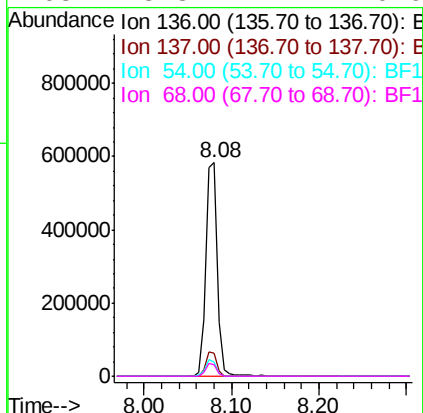
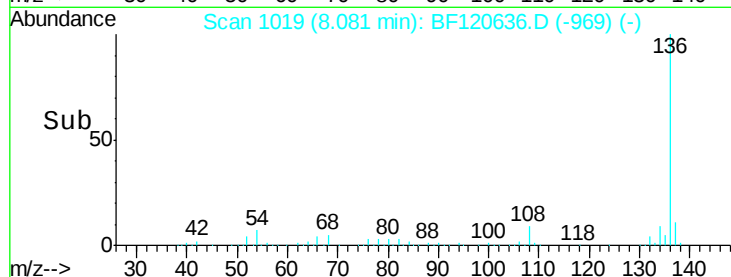
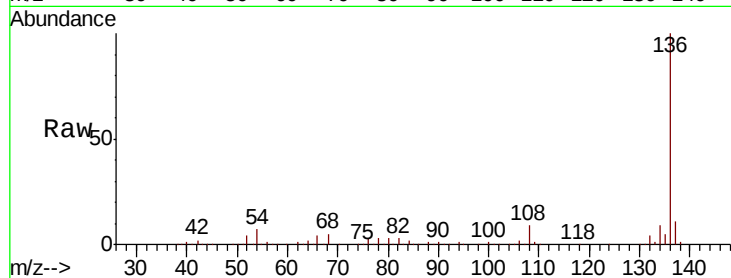




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

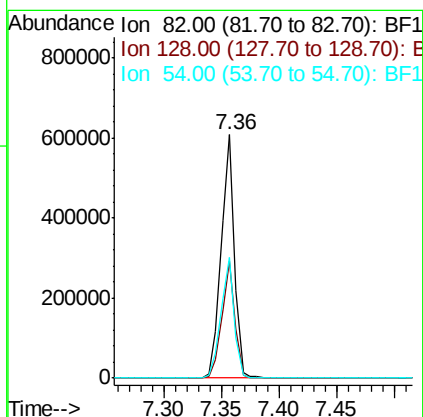
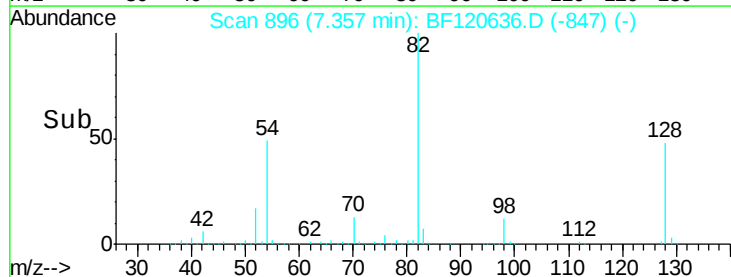
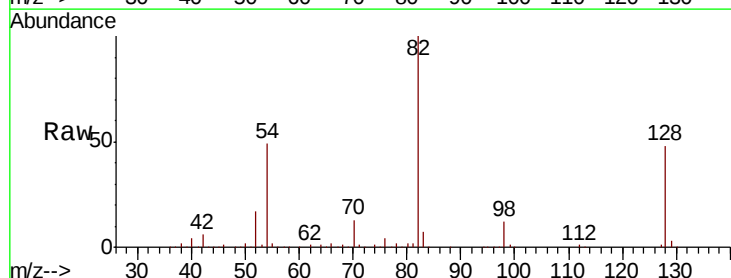
Instrument :
BNA_F
ClientSampleId :
RO-7

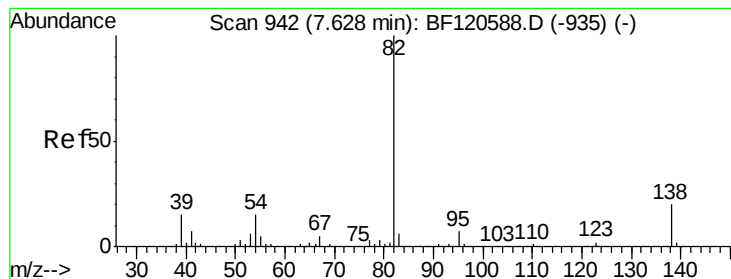
Tot Ion:136	Resp:	535452
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.6 13.0
54	6.6	5.8 8.6
68	5.3	4.4 6.6



#23
Nitrobenzene-d5
Concen: 50.974 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Tgt Ion: 82	Resp:	488292
Ion	Ratio	Lower Upper
82	100	
128	47.9	38.0 57.0
54	49.4	38.8 58.2





#25

Isophorone

Concen: 26.021 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

RO-7

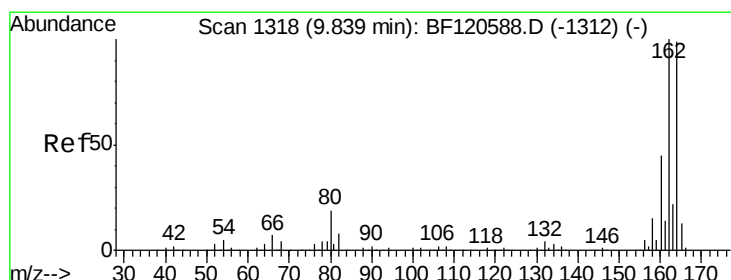
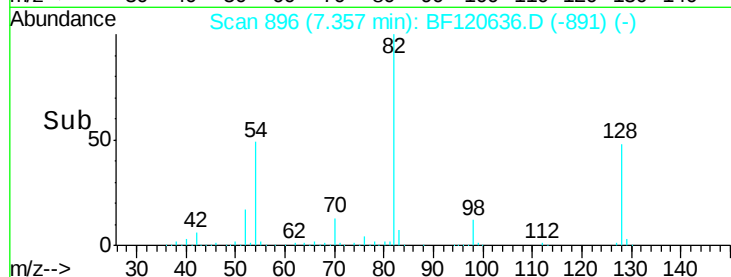
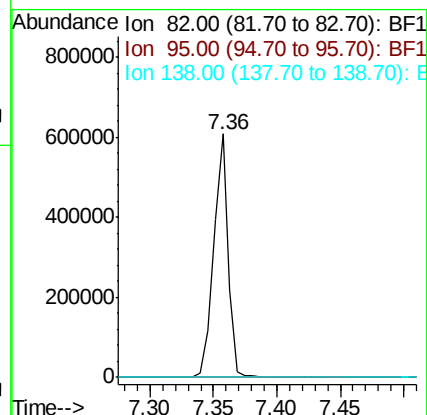
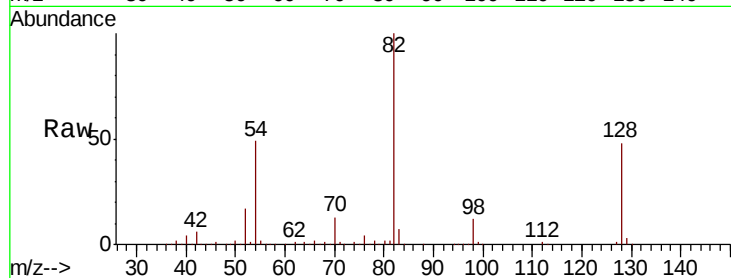
Tot Ion: 82 Resp: 485560

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 16.2 24.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

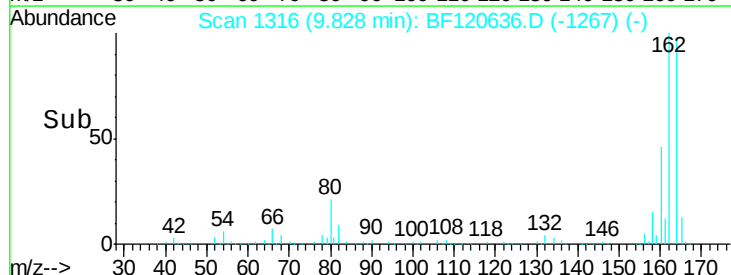
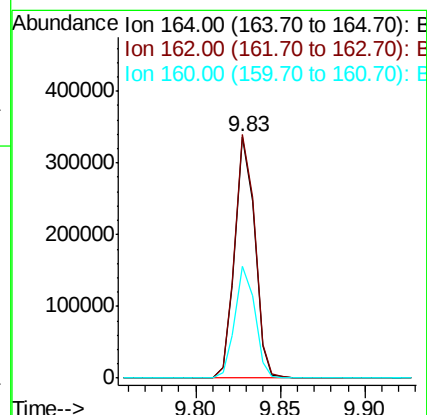
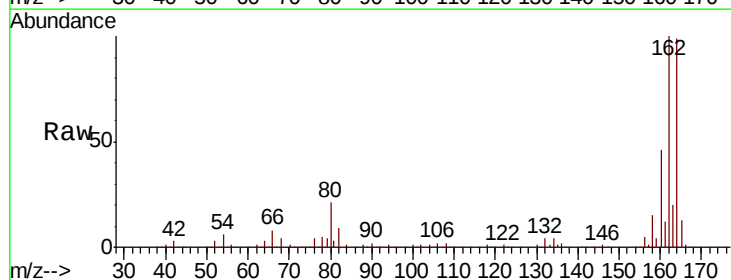
Tgt Ion: 164 Resp: 276240

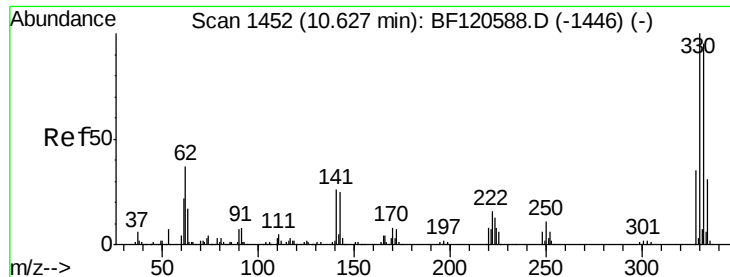
Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

160 46.1 36.2 54.2

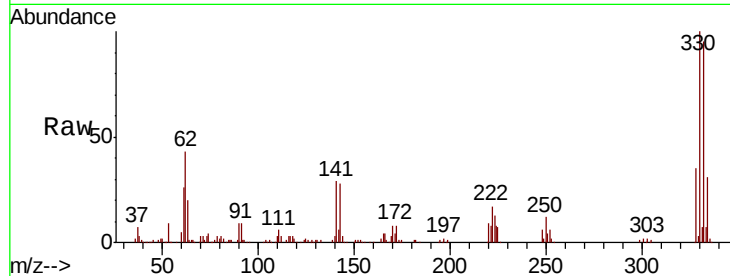




#42
 2,4,6-Tribromophenol
 Concen: 77.304 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF120636.D
 Acq: 17 Jun 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 RO-7

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.8	115.2
141	29.4	23.2	34.8

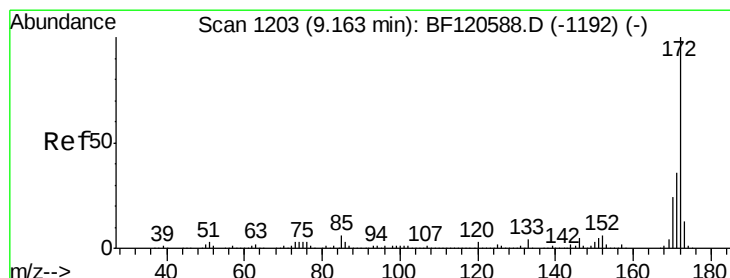
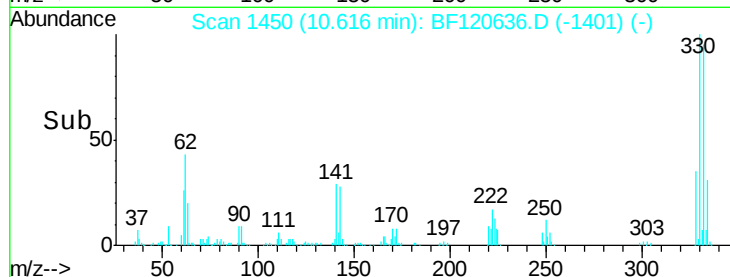
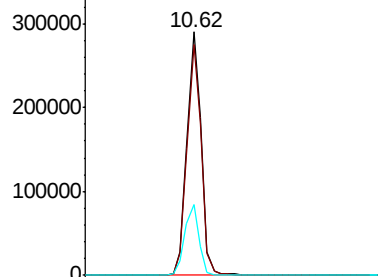


Abundance

Ion 329.80 (329.50 to 330.50): E

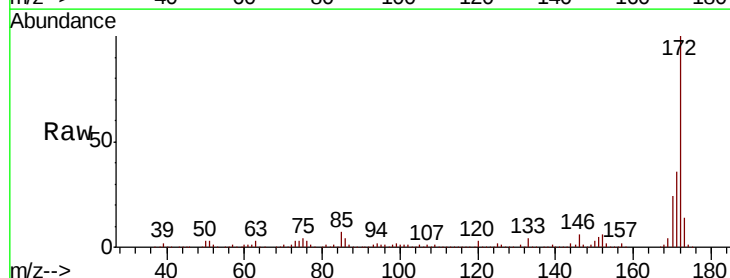
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.701 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120636.D
 Acq: 17 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.8	19.4	29.2

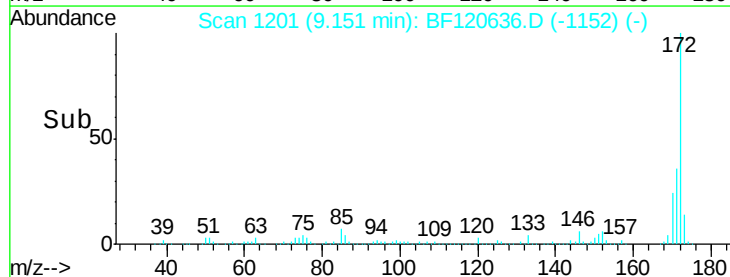
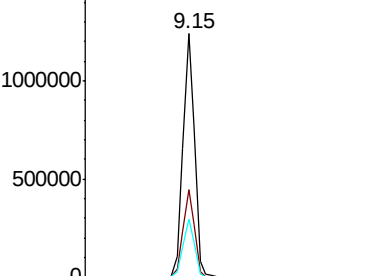


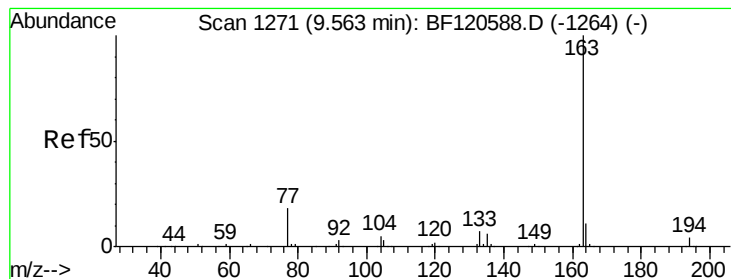
Abundance

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





#50

Dimethylphthalate

Concen: 5.379 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

RO-7

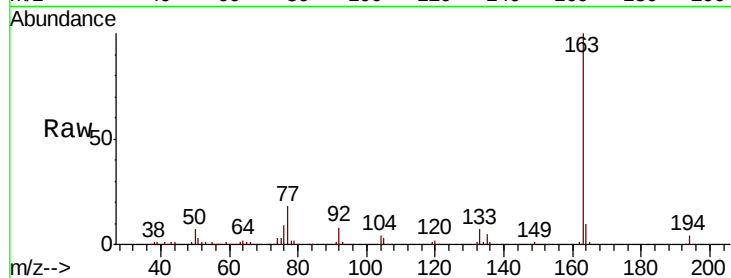
Tot Ion:163 Resp: 107009

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

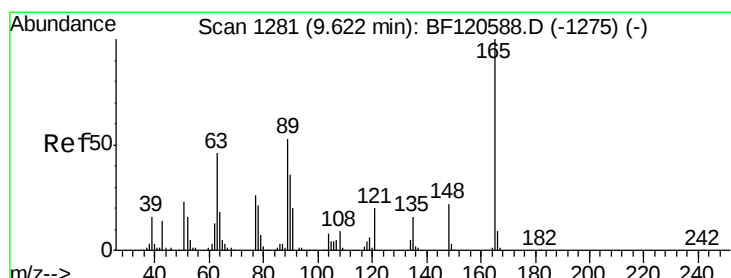
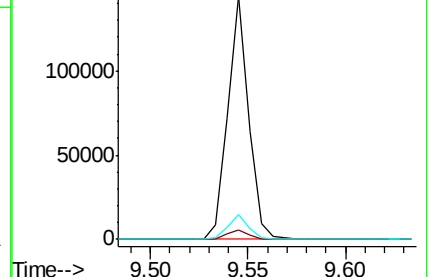
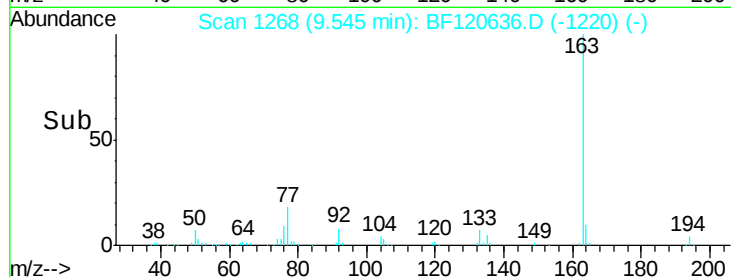
164 10.2 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.944 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

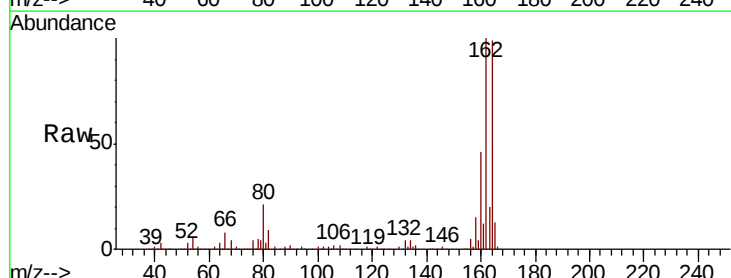
Tgt Ion:165 Resp: 35817

Ion Ratio Lower Upper

165 100

63 0.8 41.7 62.5#

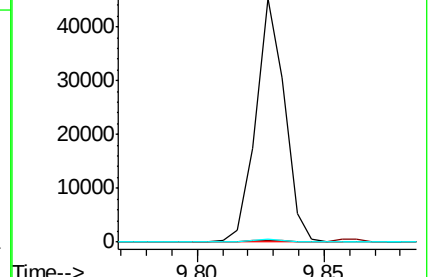
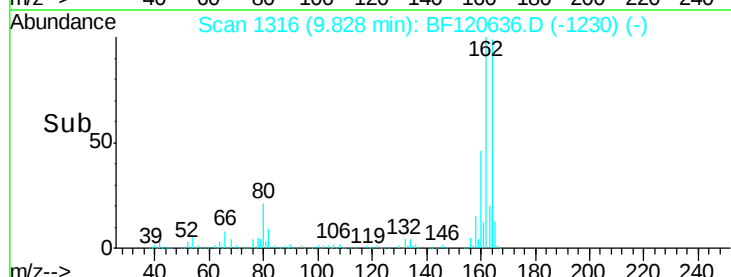
89 1.3 42.6 64.0#

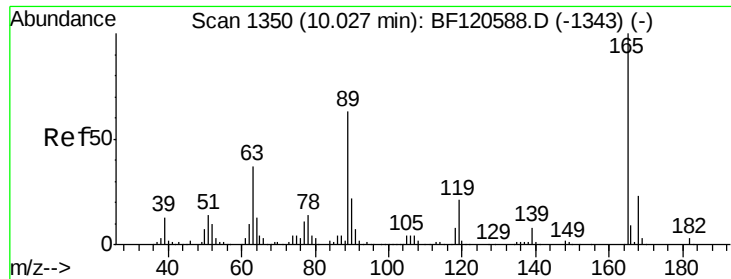


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

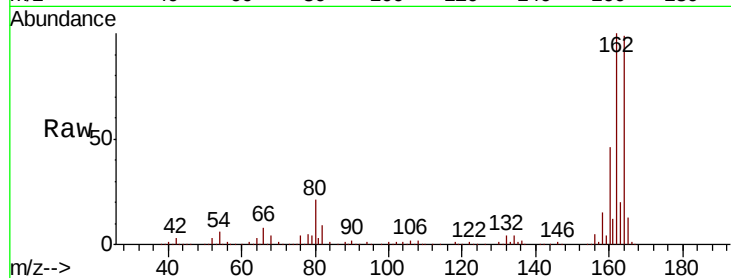




#57
 2,4-Dinitrotoluene
 Concen: 5.987 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.20 min
 Lab File: BF120636.D
 Acq: 17 Jun 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 RO-7

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.8	44.8#
89	1.3	50.4	75.6#
182	0.0	2.1	3.1#

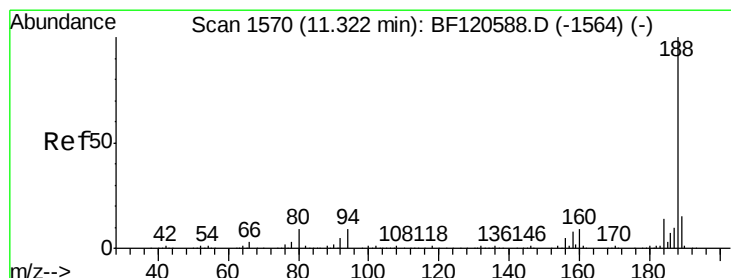
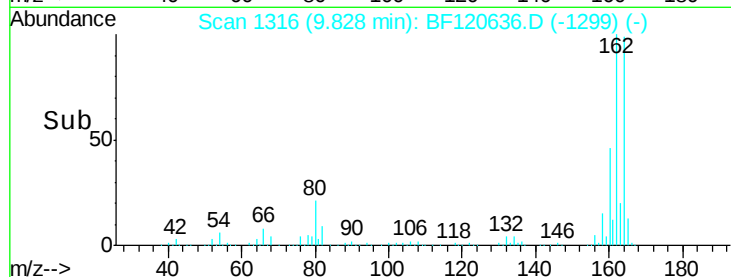
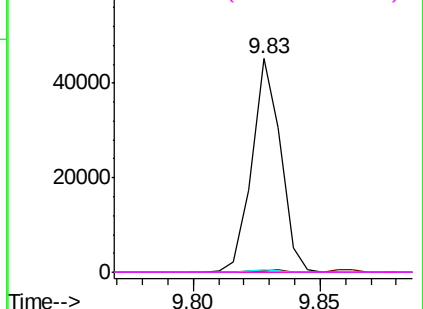


Abundance Ion 165.00 (164.70 to 165.70): E

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



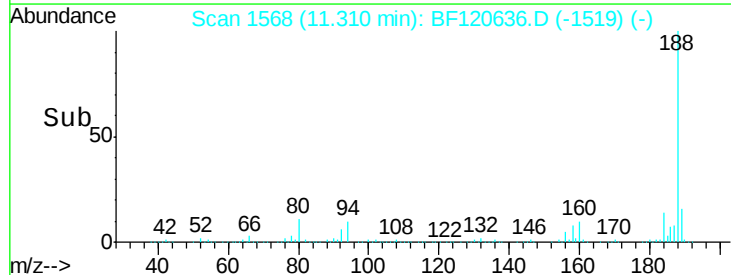
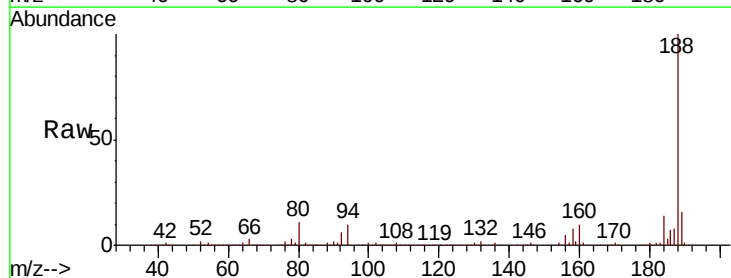
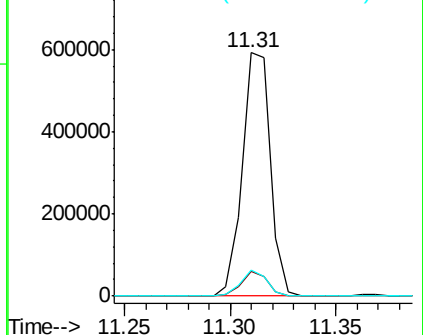
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF120636.D
 Acq: 17 Jun 2020 16:57

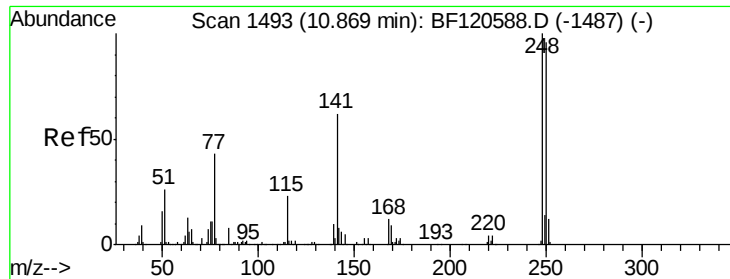
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.2	10.8
80	10.6	7.4	11.2

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

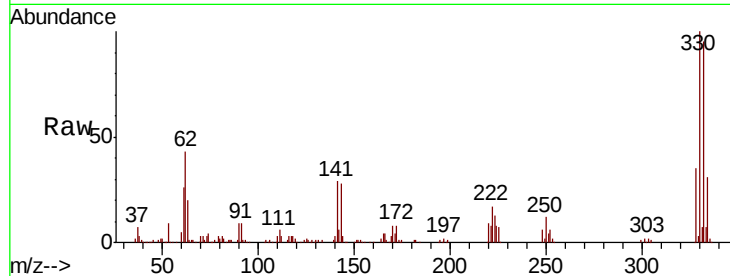




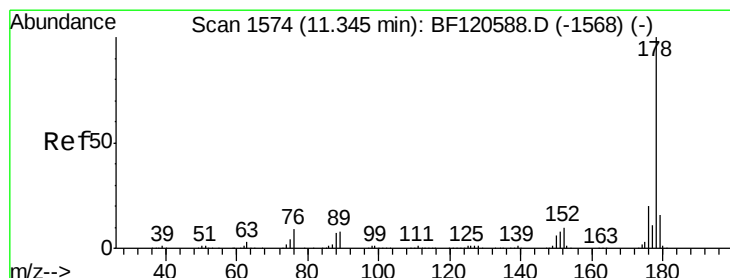
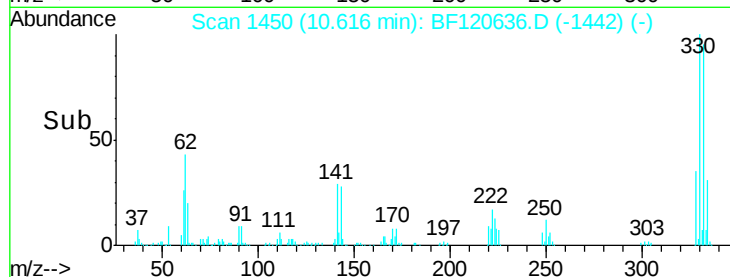
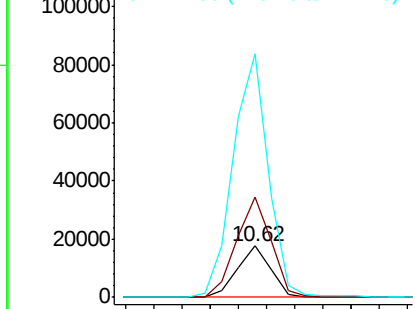
#67
 4-Bromophenyl-phenylether
 Concen: 2.353 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF120636.D
 Acq: 17 Jun 2020 16:57

Instrument :
 BNA_F
 ClientSampleId :
 RO-7

Tot Ion:248 Resp: 14574
 Ion Ratio Lower Upper
 248 100
 250 194.2 76.7 115.1#
 141 472.0 49.4 74.0#

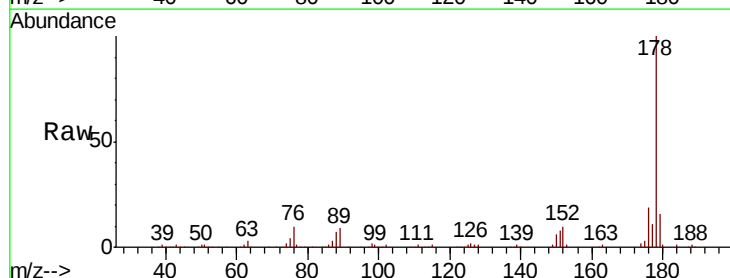


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

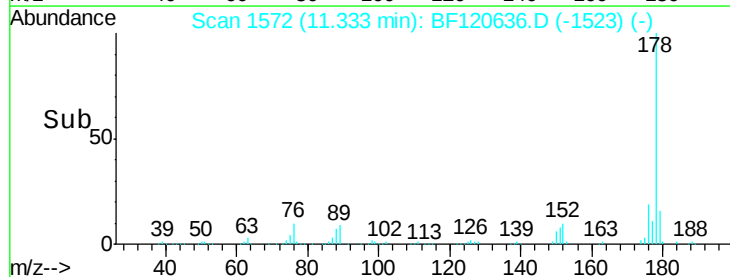
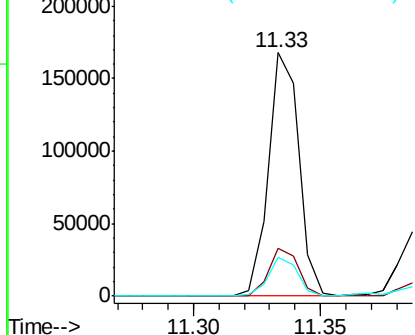


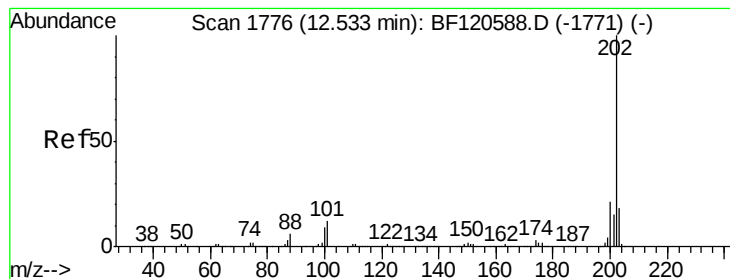
#71
 Phenanthrene
 Concen: 5.229 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF120636.D
 Acq: 17 Jun 2020 16:57

Tgt Ion:178 Resp: 141854
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 15.7 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: 8.765 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

RO-7

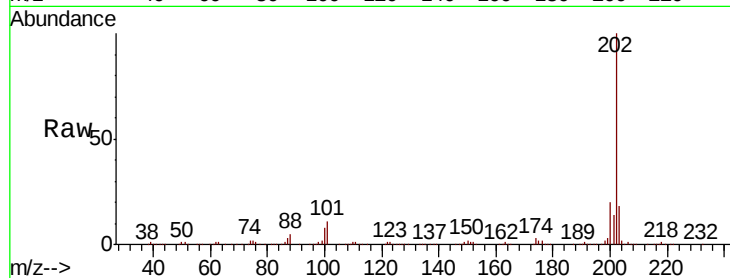
Tot Ion:202 Resp: 271863

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.0

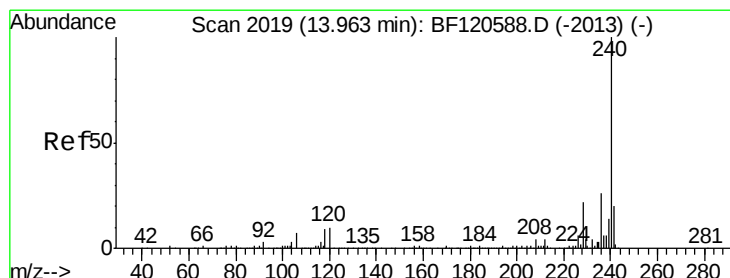
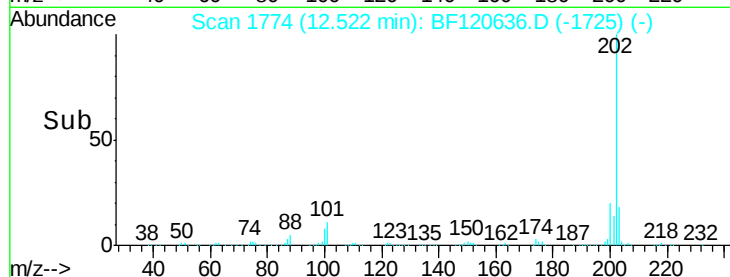
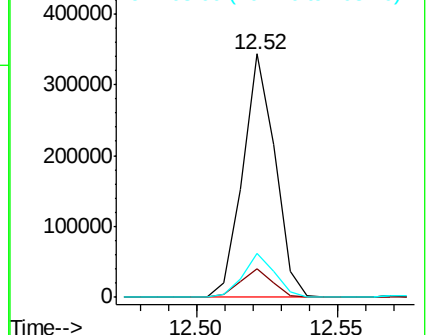
203 18.1 0.0 38.3



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: BF120636.D

Acq: 17 Jun 2020 16:57

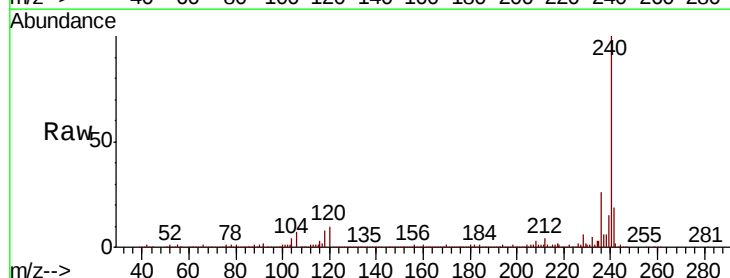
Tgt Ion:240 Resp: 490761

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

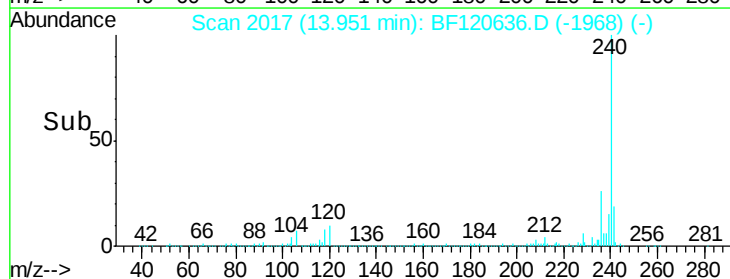
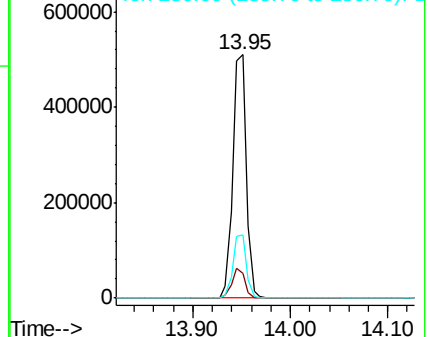
236 26.1 21.0 31.4

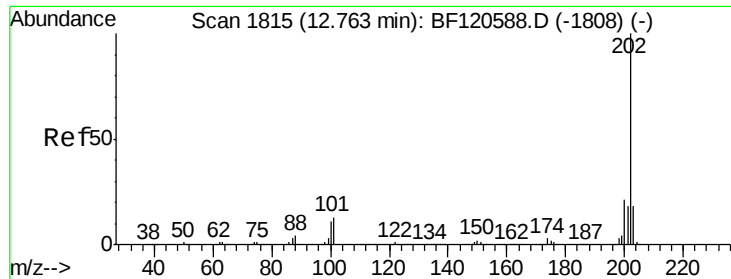


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

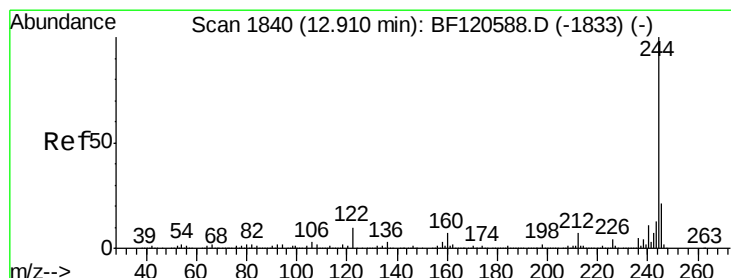
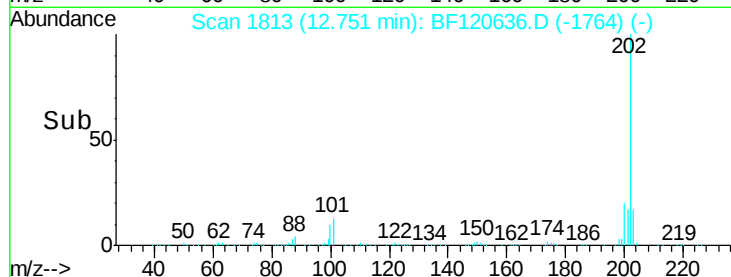
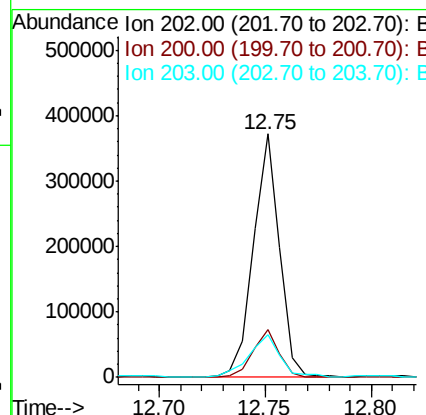
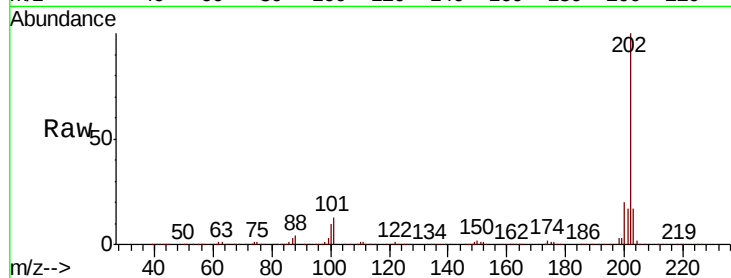




#78
Pvrene
Concen: 9.135 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

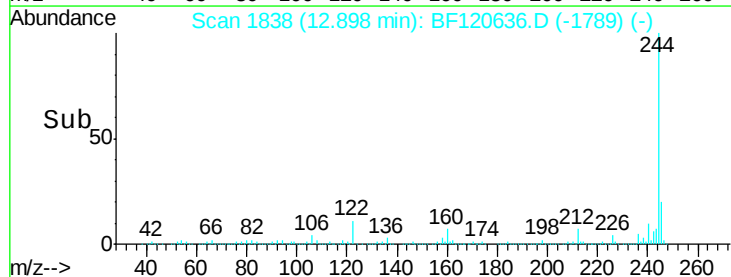
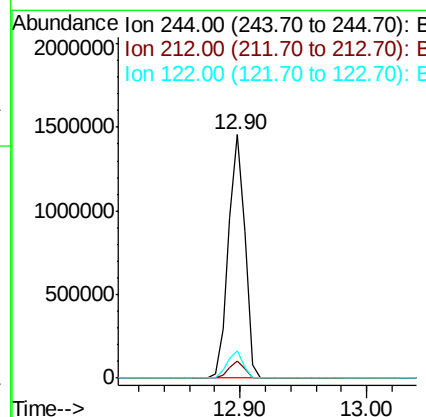
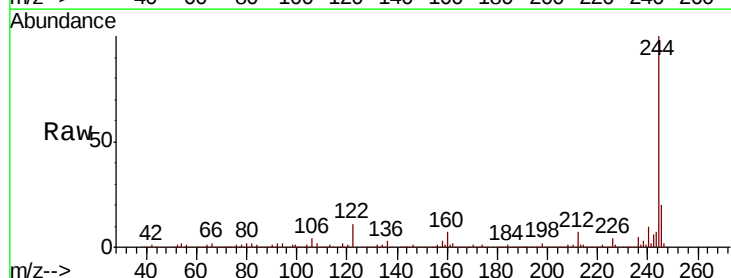
Instrument :
BNA_F
ClientSampleId :
RO-7

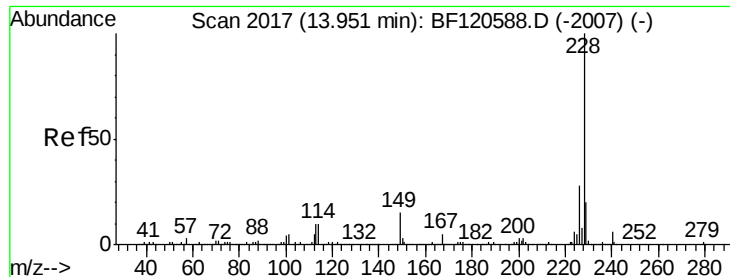
Tot Ion: 202 Resp: 317600
Ion Ratio Lower Upper
202 100
200 19.8 16.8 25.2
203 17.3 14.3 21.5



#79
Terphenyl-d14
Concen: 58.898 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Tgt Ion: 244 Resp: 1308570
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 11.0 8.3 12.5





#81

Benzo(a)anthracene

Concen: 5.353 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

RO-7

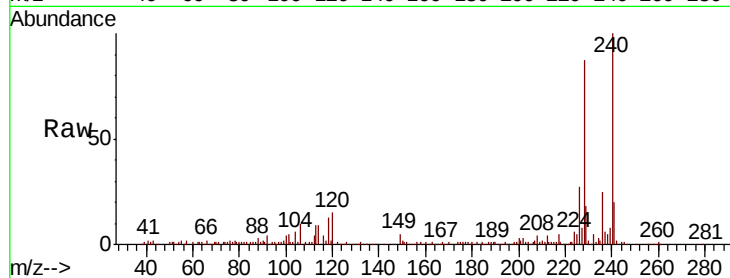
Tot Ion:228 Resp: 157834

Ion Ratio Lower Upper

228 100

226 31.1 22.5 33.7

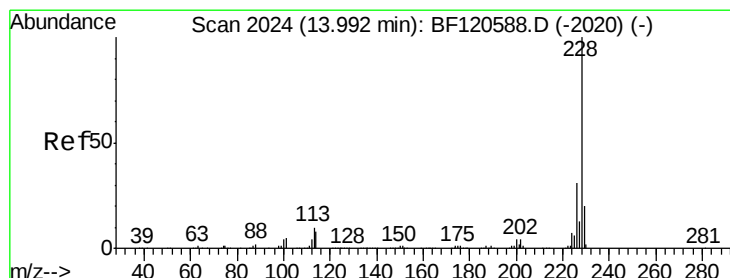
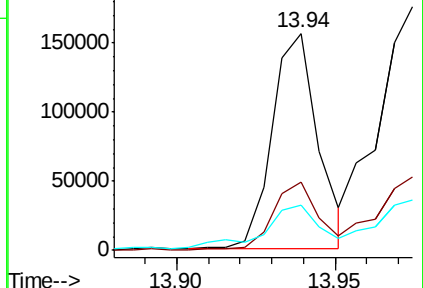
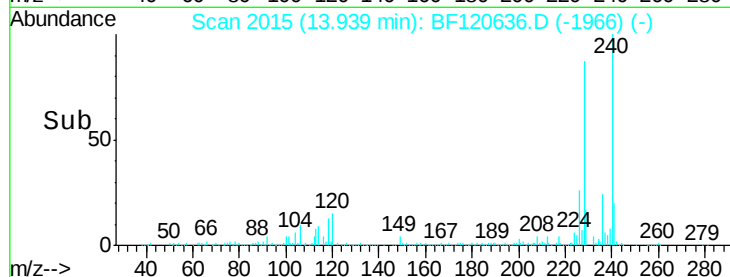
229 21.0 16.1 24.1



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: 6.148 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

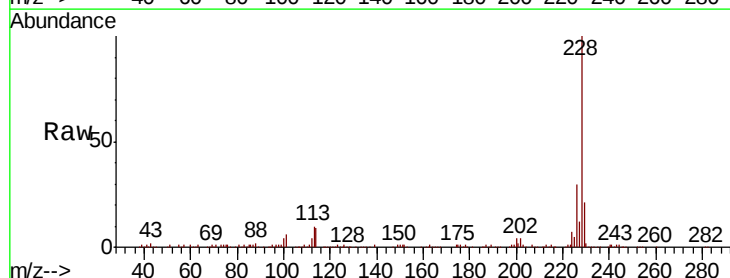
Tgt Ion:228 Resp: 185941

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

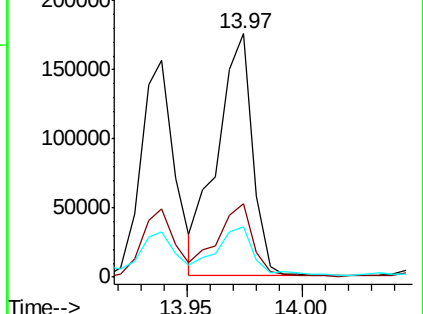
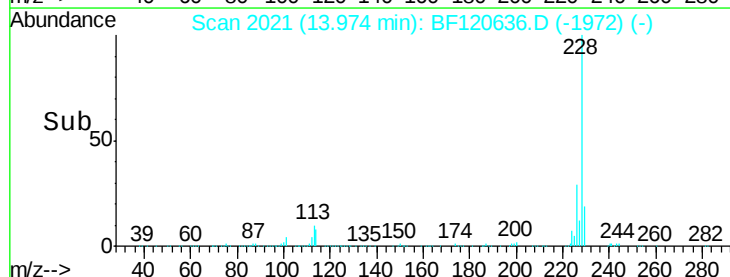
229 20.7 16.1 24.1

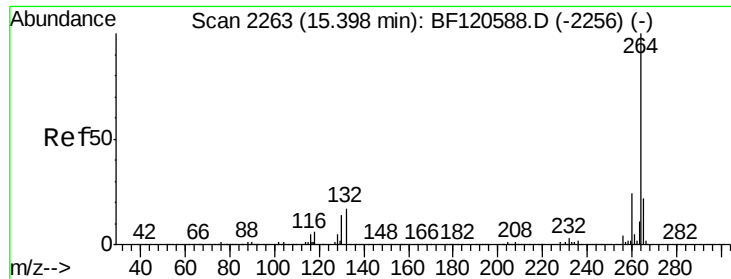


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

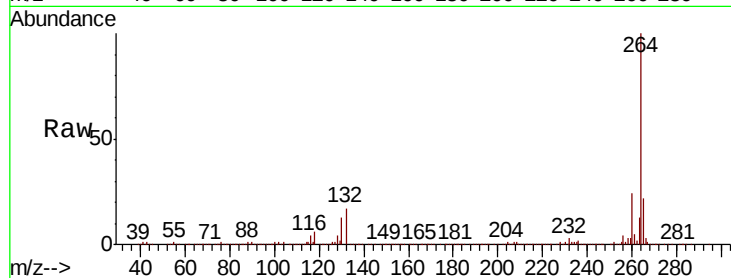




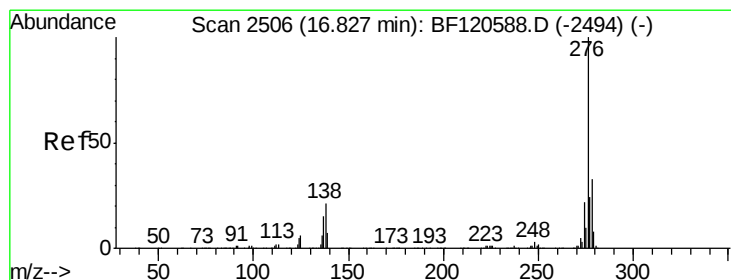
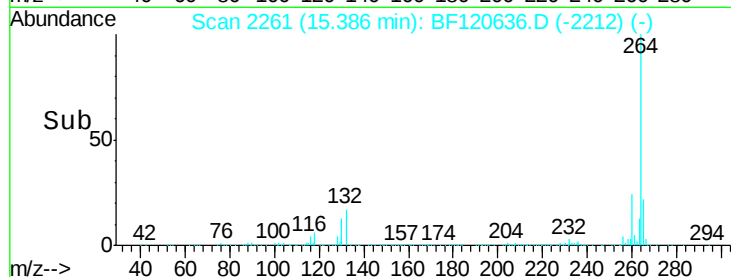
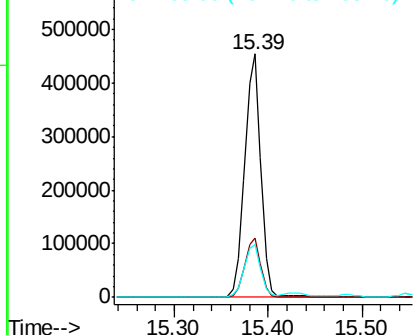
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Instrument :
BNA_F
ClientSampleId :
RO-7

Tot Ion:264 Resp: 541003
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 21.9 17.8 26.8

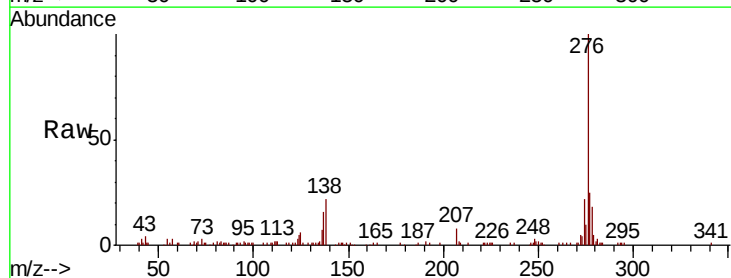


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

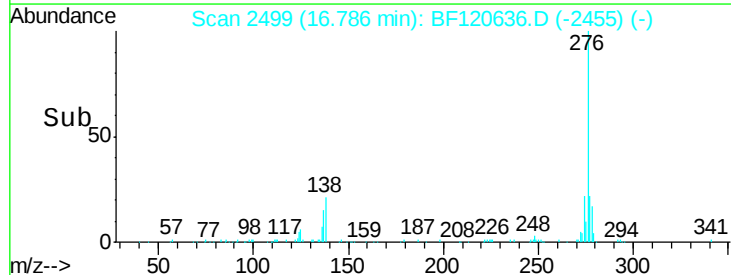
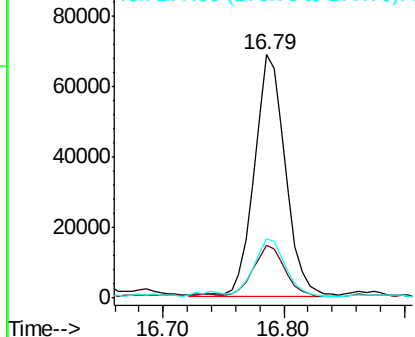


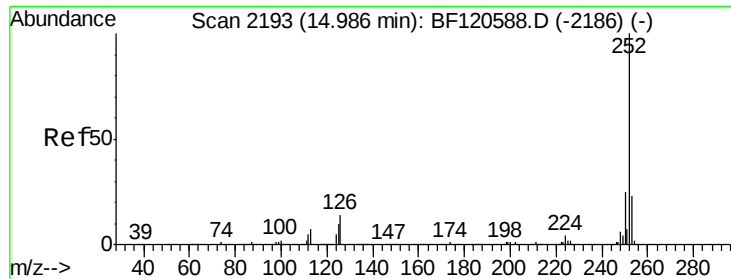
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.765 ng
RT: 16.79 min Scan# 2499
Delta R.T. -0.04 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Tgt Ion:276 Resp: 123895
Ion Ratio Lower Upper
276 100
138 21.5 18.9 28.3
277 24.0 20.2 30.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

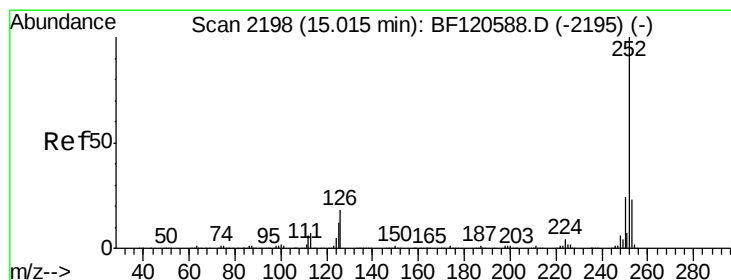
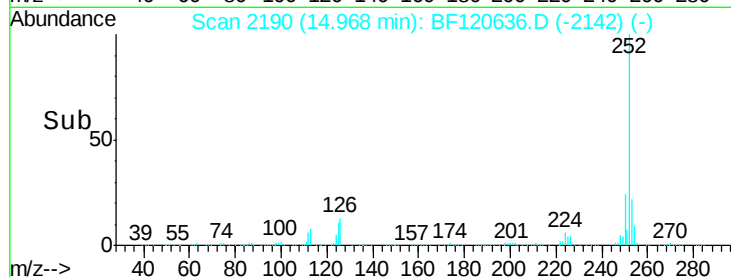
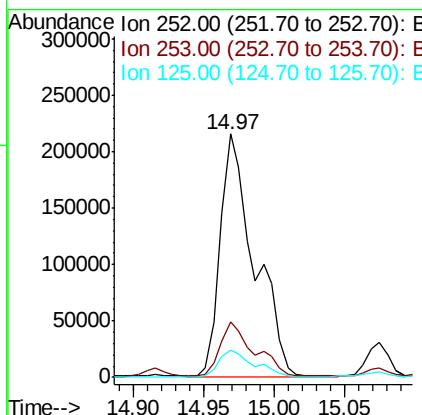
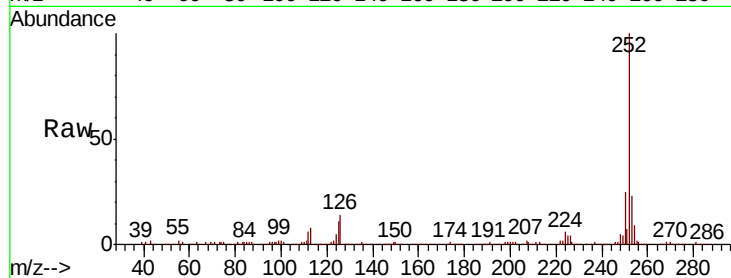




#88
Benzo(b)fluoranthene
Concen: 11.372 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

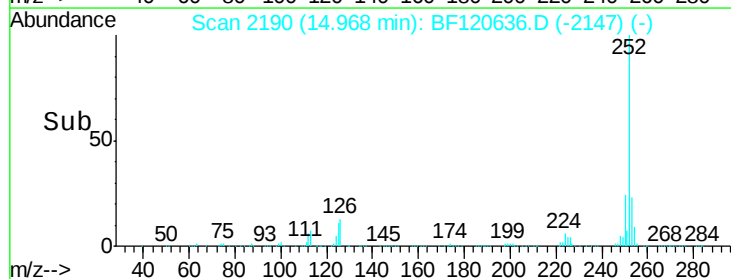
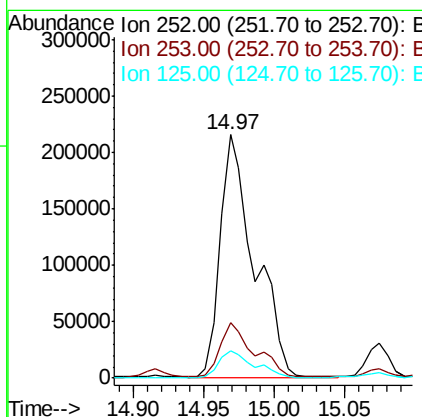
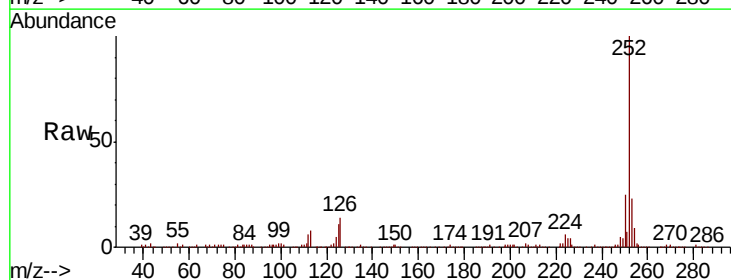
Instrument :
BNA_F
ClientSampled :
RO-7

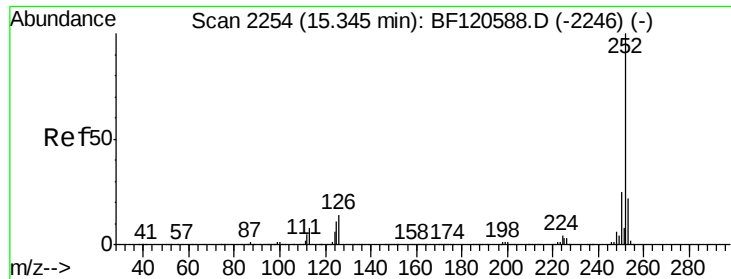
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.3	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 12.852 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.05 min
Lab File: BF120636.D
Acq: 17 Jun 2020 16:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.3	8.3	12.5





#90

Benzo(a)pyrene

Concen: 5.802 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.02 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

Instrument :

BNA_F

ClientSampleId :

RO-7

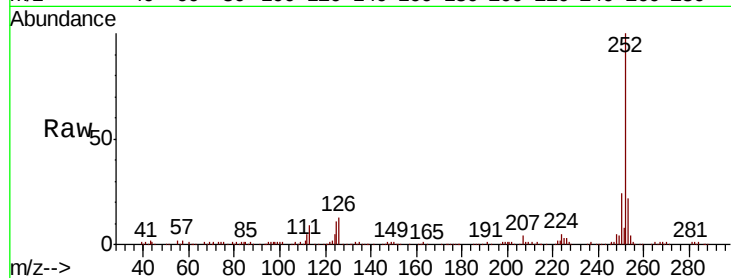
Tot Ion:252 Resp: 167350

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

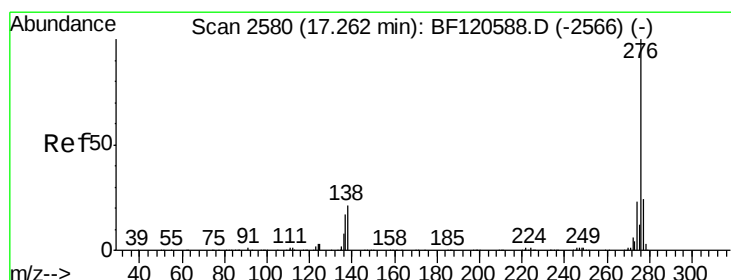
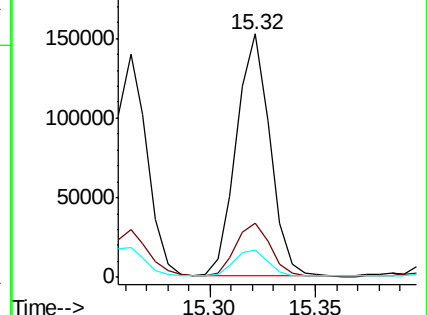
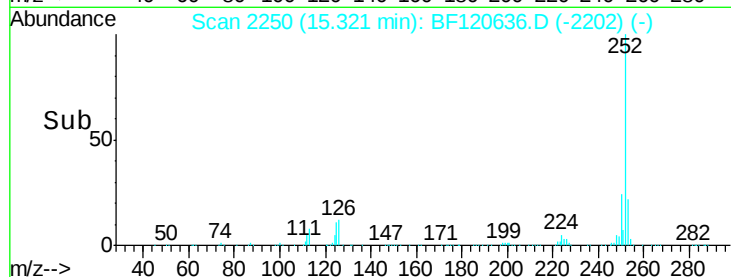
125 11.3 8.6 12.8



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(g,h,i)perylene

Concen: 4.832 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.04 min

Lab File: BF120636.D

Acq: 17 Jun 2020 16:57

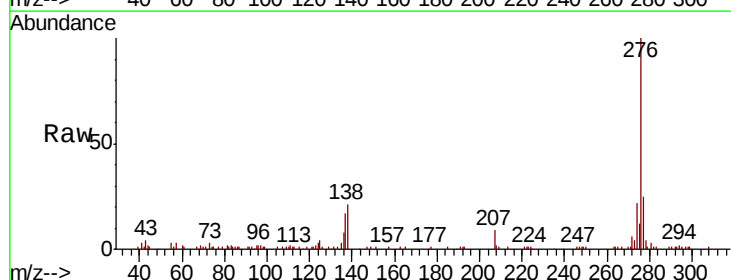
Tgt Ion:276 Resp: 128521

Ion Ratio Lower Upper

276 100

277 24.7 19.6 29.4

138 21.4 16.5 24.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

