

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120033.D
 Acq On : 16 Apr 2020 13:54
 Operator : MA/SJ
 Sample : L2198-05 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-43-COMP

Quant Time: Apr 17 01:21:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	130952	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	489655	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230173	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	357089	20.00	ng	0.00
76) Chrysene-d12	13.89	240	242753	20.00	ng	0.00
87) Perylene-d12	15.32	264	238361	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	193404	25.52	ng	0.00
7) Phenol-d6	6.35	99	245983	25.19	ng	-0.01
23) Nitrobenzene-d5	7.28	82	148731	15.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	41678	14.79	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	304469	18.78	ng	0.00
79) Terphenyl-d14	12.84	244	228734	15.85	ng	-0.01

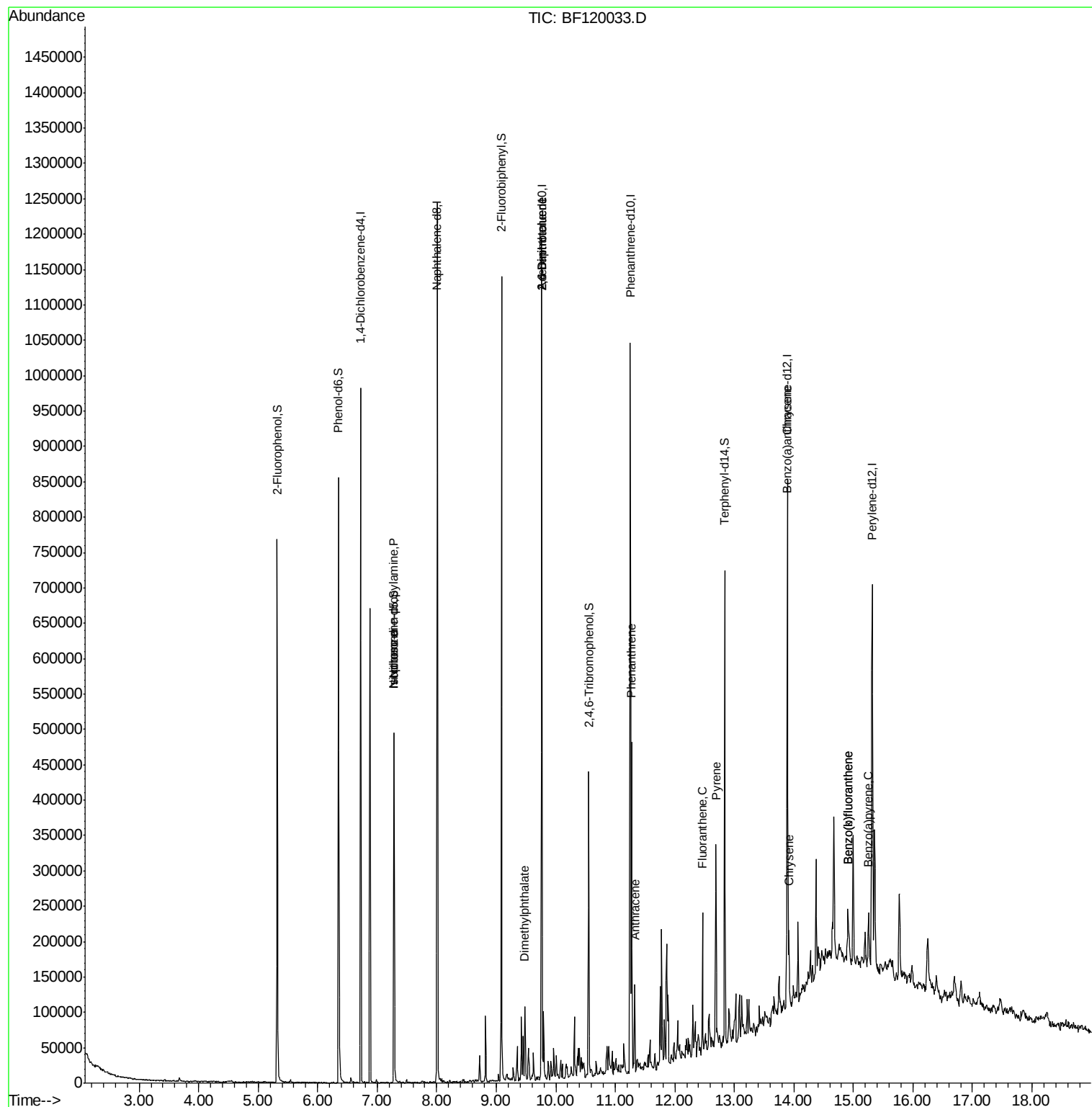
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	307	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.28	70	18959	3.020	ng	# 78
25) Isophorone	7.28	82	145538	7.977	ng	# 65
50) Dimethylphthalate	9.49	163	41987	2.358	ng	# 96
51) 2,6-Dinitrotoluene	9.76	165	30694	7.873	ng	# 19
57) 2,4-Dinitrotoluene	9.76	165	30694	5.976	ng	# 23
71) Phenanthrene	11.27	178	150925	7.941	ng	# 99
72) Anthracene	11.33	178	46508	2.396	ng	# 99
75) Fluoranthene	12.46	202	68737	3.352	ng	# 95
78) Pyrene	12.69	202	113032	5.523	ng	# 98
81) Benzo(a)anthracene	13.88	228	39808	2.493	ng	# 97
83) Chrysene	13.92	228	40065	2.469	ng	# 99
88) Benzo(b)fluoranthene	14.91	252	46223	2.696	ng	# 93
89) Benzo(k)fluoranthene	14.91	252	46223	3.124	ng	# 94
90) Benzo(a)pyrene	15.26	252	36259	2.515	ng	# 96

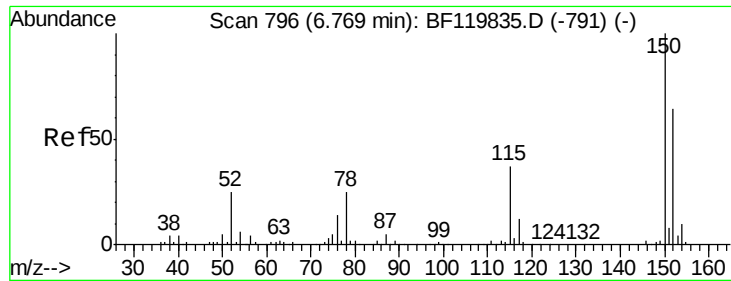
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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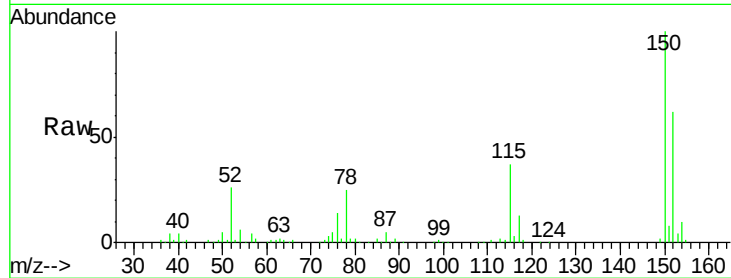


#1

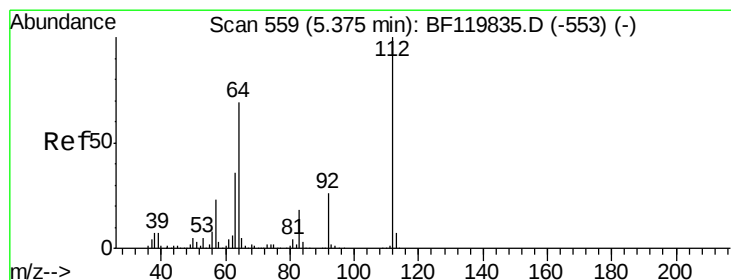
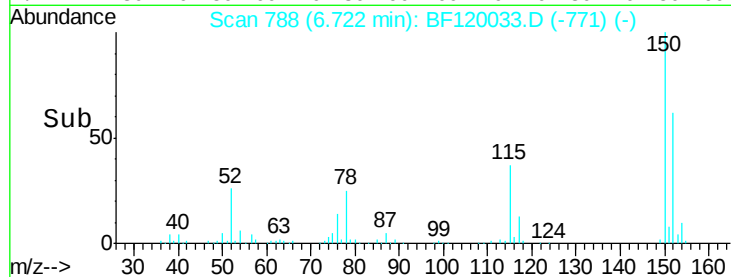
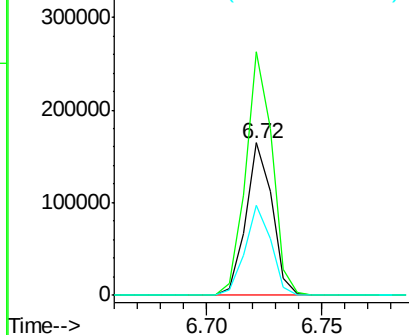
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Instrument :
BNA_F
ClientSampleId :
TP-43-COMP

Tot Ion:152 Resp: 130952
Ion Ratio Lower Upper
152 100
150 160.0 124.8 187.2
115 59.4 46.5 69.7



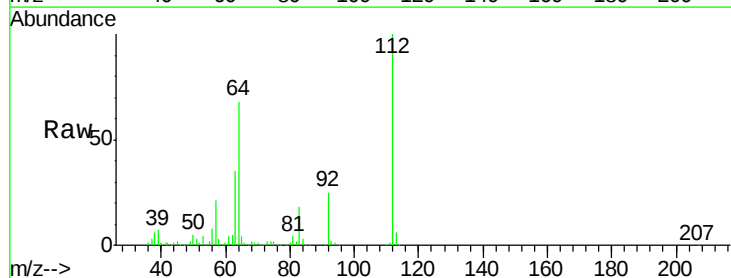
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



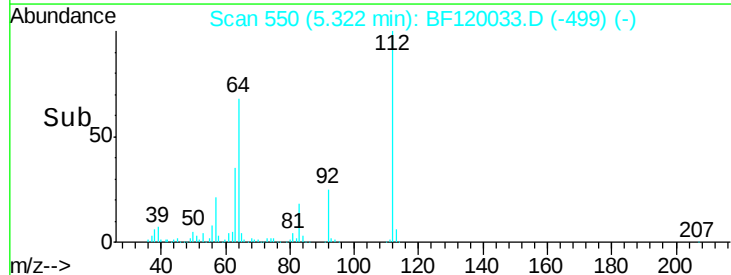
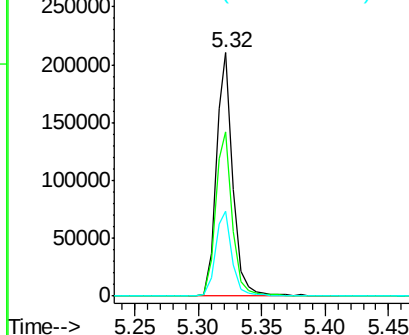
#5

2-Fluorophenol
Concen: 25.524 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Tgt Ion:112 Resp: 193404
Ion Ratio Lower Upper
112 100
64 67.7 55.5 83.3
63 34.8 29.1 43.7



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: 25.193 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Instrument :

BNA_F

ClientSampleId :

TP-43-COMP

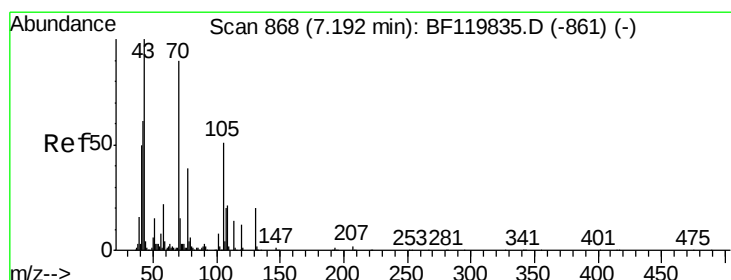
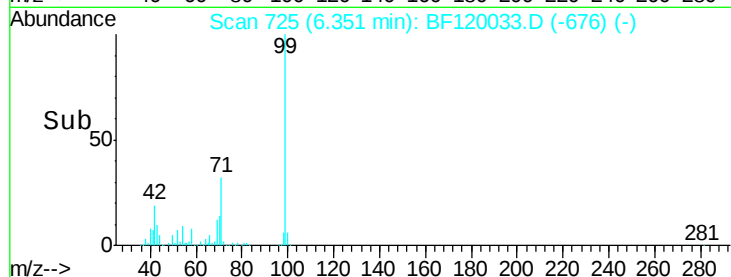
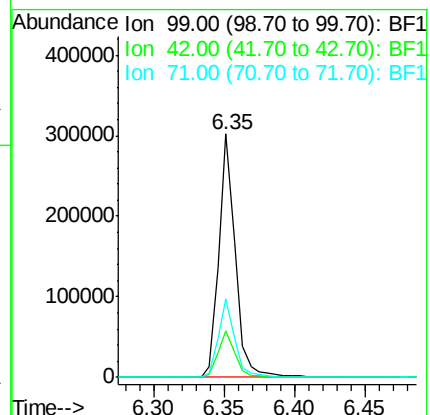
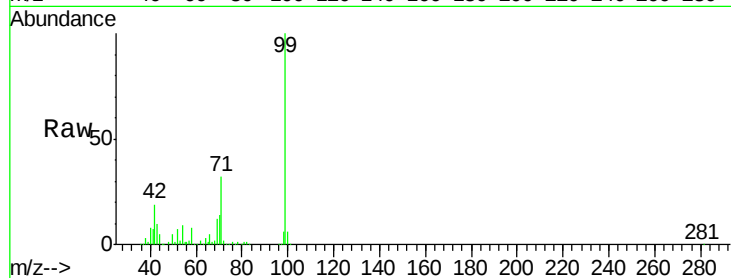
Tot Ion: 99 Resp: 245983

Ion Ratio Lower Upper

99 100

42 19.3 16.9 25.3

71 32.2 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 3.020 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Tgt Ion: 70 Resp: 18959

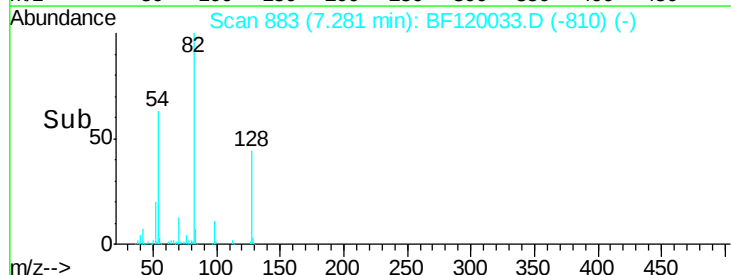
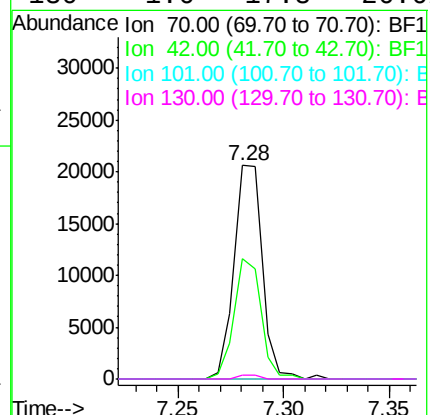
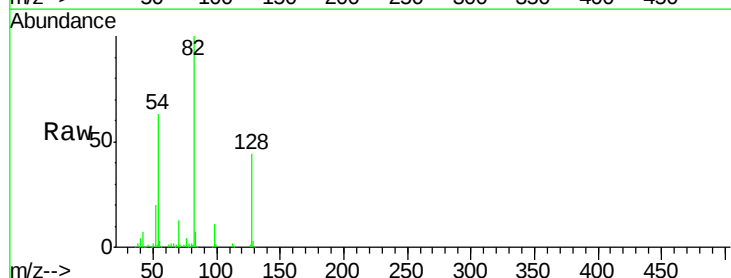
Ion Ratio Lower Upper

70 100

42 56.2 54.2 81.4

101 0.0 7.4 11.2#

130 1.6 17.8 26.6#

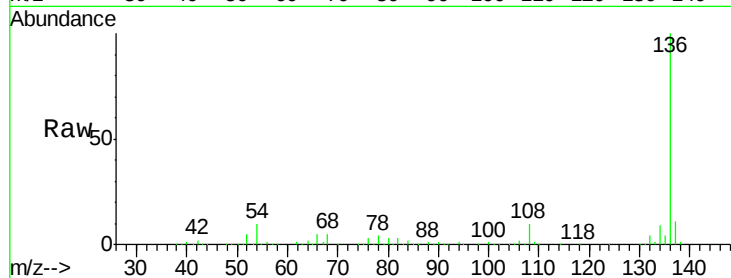




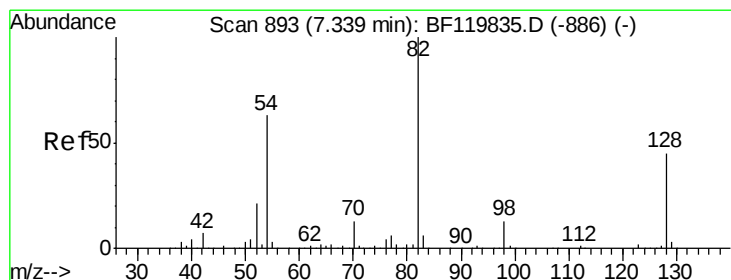
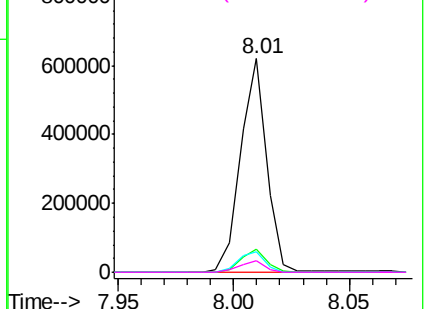
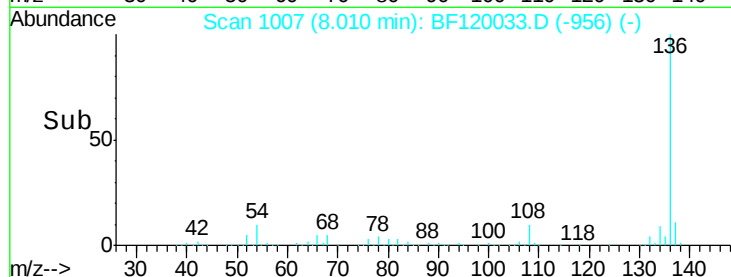
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Instrument :
BNA_F
ClientSampleId :
TP-43-COMP

Tot Ion:136 Resp: 489655
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.7 8.5 12.7
68 5.3 3.9 5.9

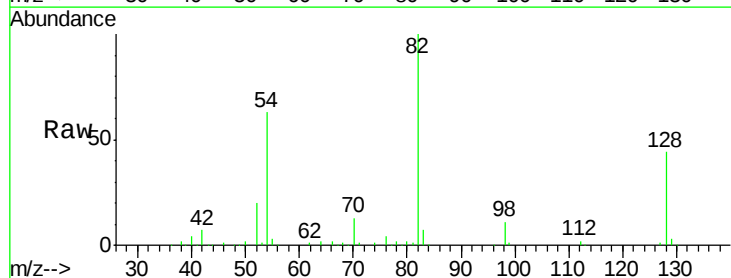


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

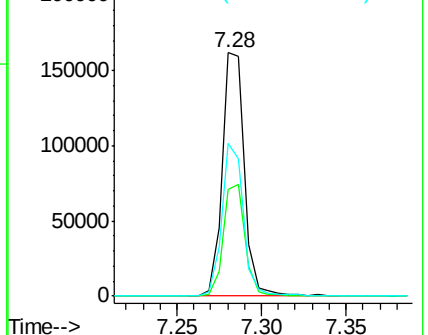
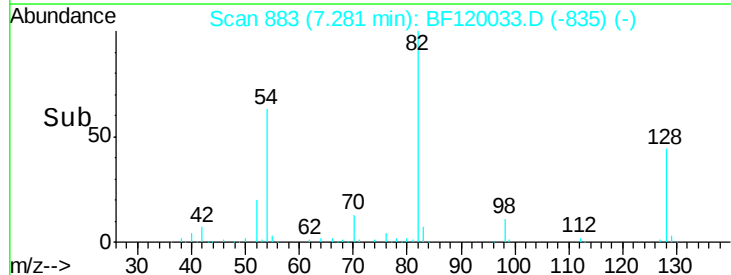


#23
Nitrobenzene-d5
Concen: 15.714 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Tgt Ion: 82 Resp: 148731
Ion Ratio Lower Upper
82 100
128 43.9 36.2 54.4
54 62.7 50.4 75.6



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: 7.977 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Instrument :

BNA_F

ClientSampleId :

TP-43-COMP

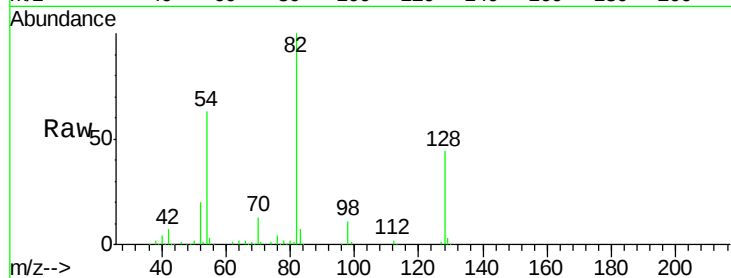
Tot Ion: 82 Resp: 145538

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

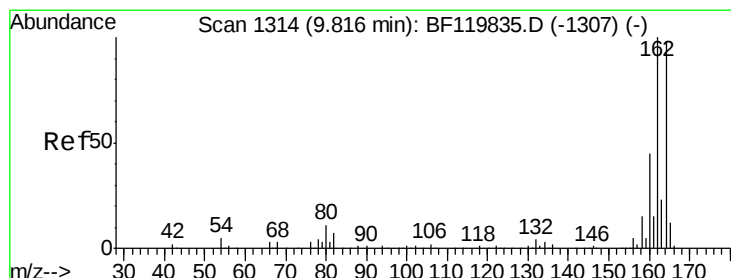
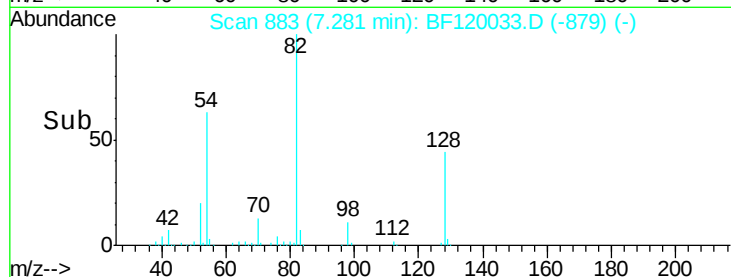
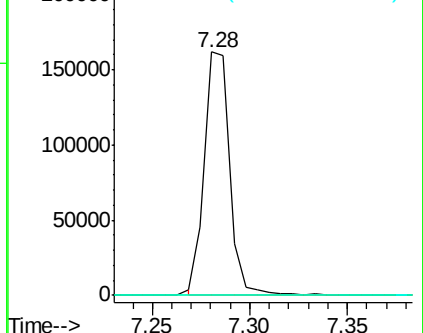
138 0.0 14.5 21.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

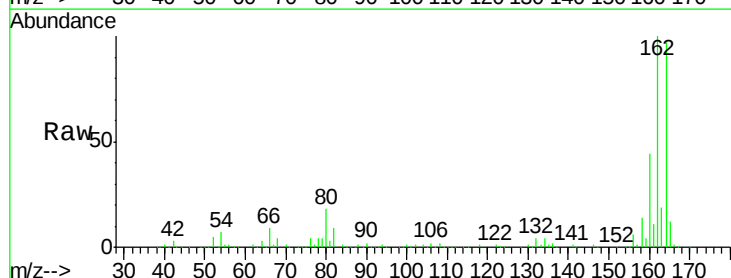
Tgt Ion:164 Resp: 230173

Ion Ratio Lower Upper

164 100

162 103.5 81.9 122.9

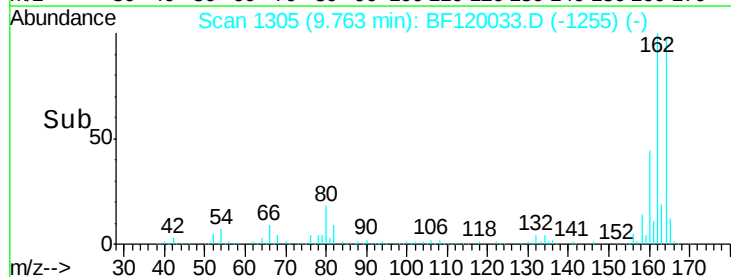
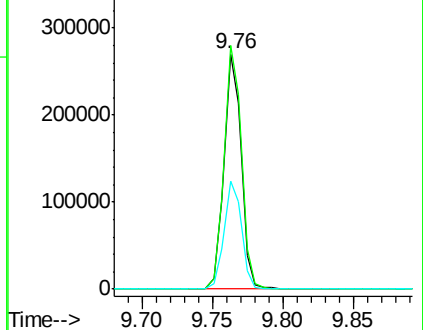
160 45.6 36.6 54.8

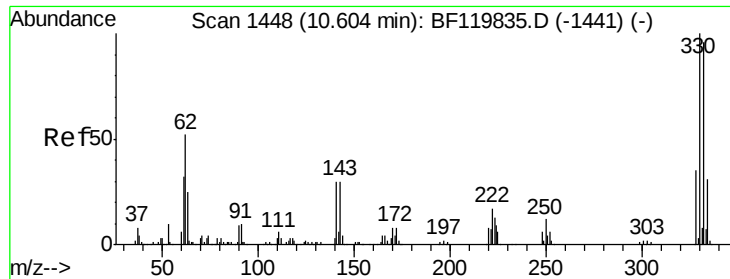


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

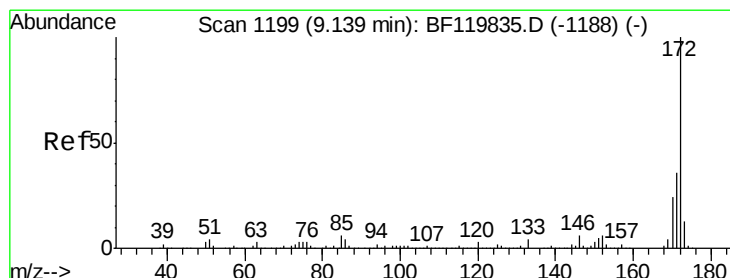
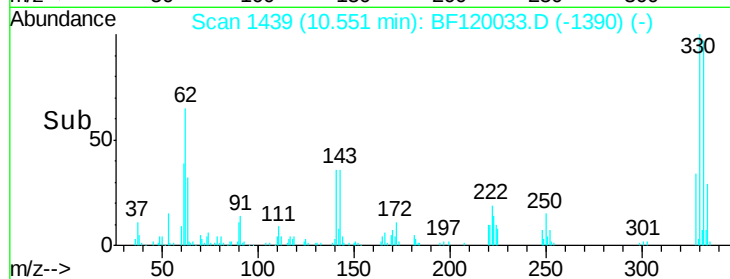
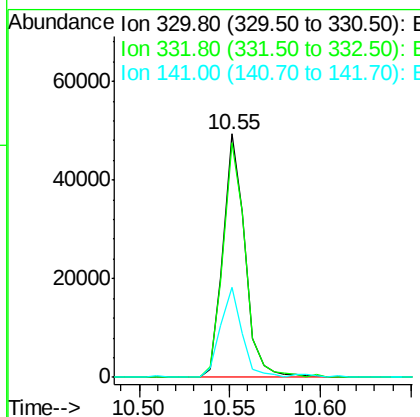
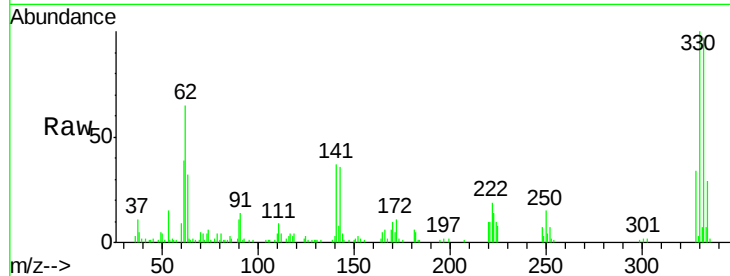




#42
 2,4,6-Tribromophenol
 Concen: 14.789 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120033.D
 Acq: 16 Apr 2020 13:54

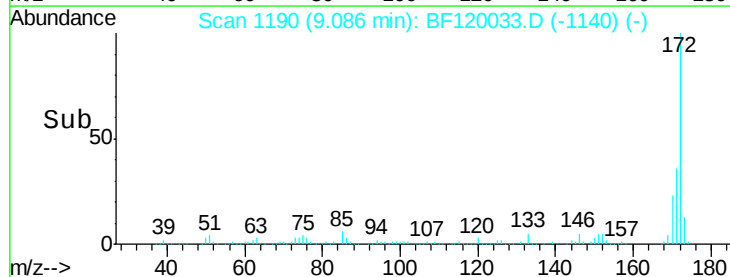
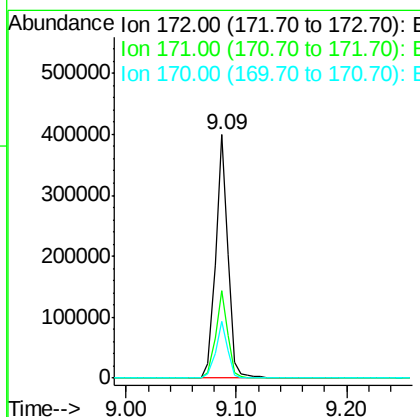
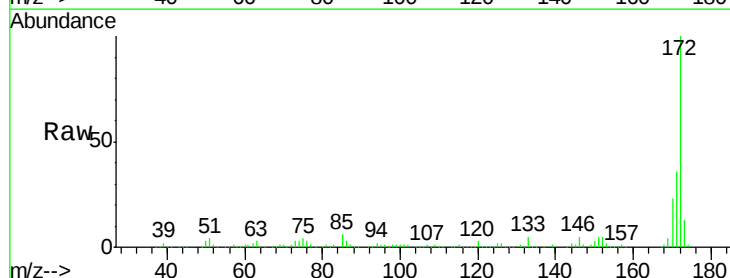
Instrument :
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 TP-43-COMP

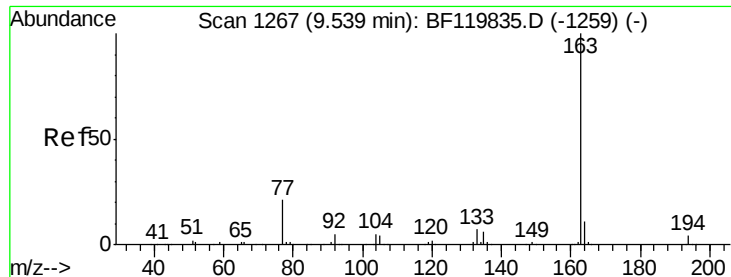
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.8	115.2
141	36.1	25.1	37.7



#45
 2-Fluorobiphenyl
 Concen: 18.781 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120033.D
 Acq: 16 Apr 2020 13:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	23.3	19.4	29.2





#50

Dimethylphthalate

Concen: 2.358 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Instrument :

BNA_F

ClientSampleId :

TP-43-COMP

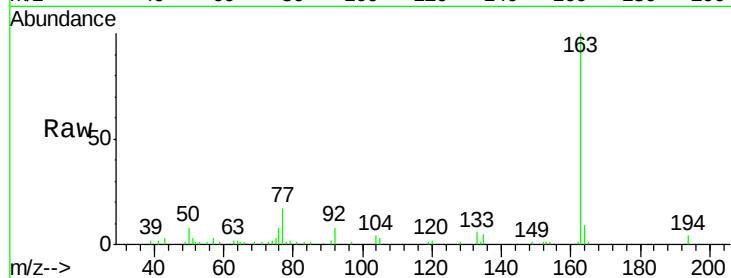
Tot Ion:163 Resp: 41987

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.4

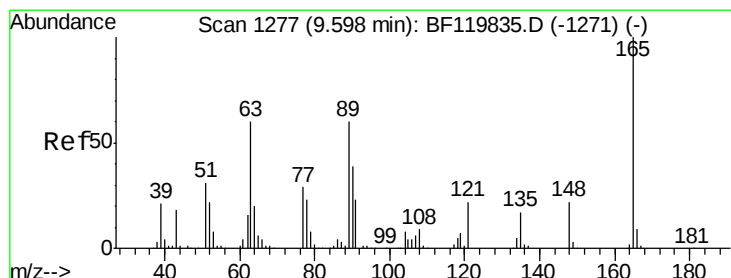
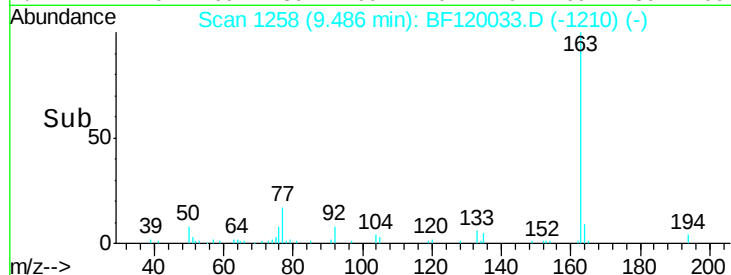
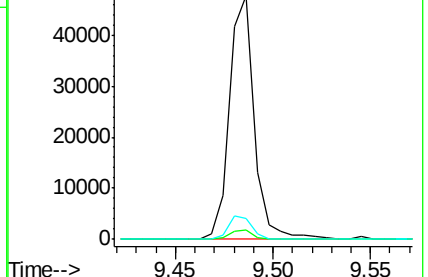
164 8.6 8.4 12.6



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: 7.873 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

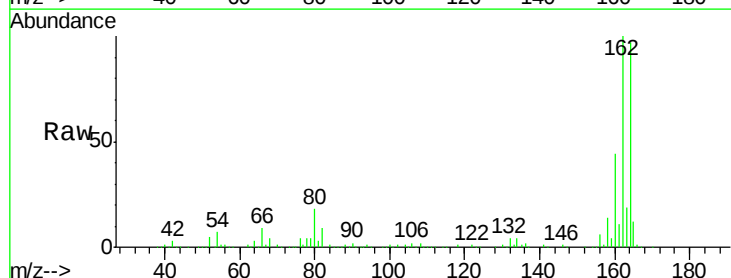
Tgt Ion:165 Resp: 30694

Ion Ratio Lower Upper

165 100

63 1.3 55.6 83.4#

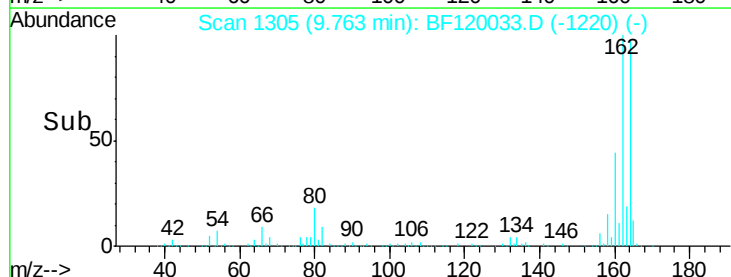
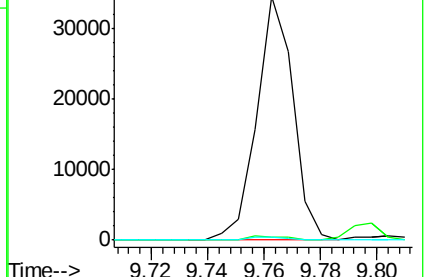
89 1.4 47.9 71.9#

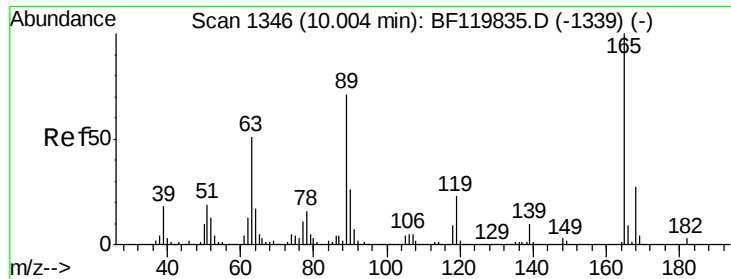


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

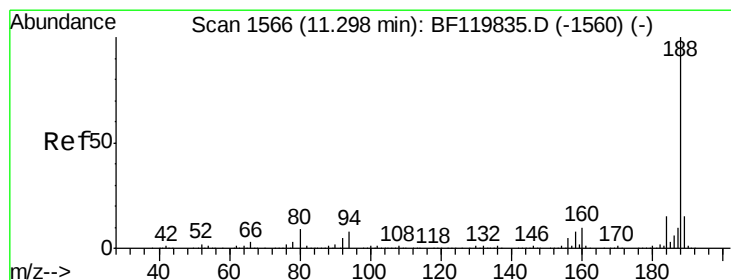
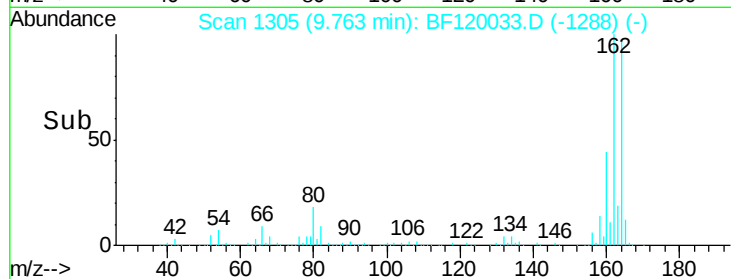
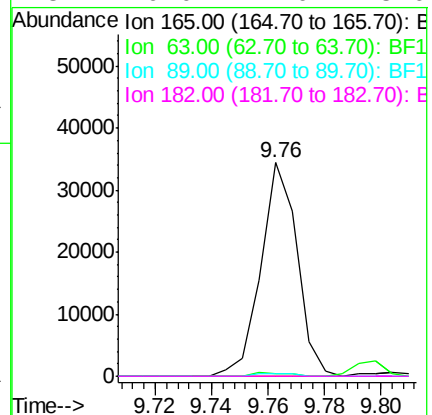
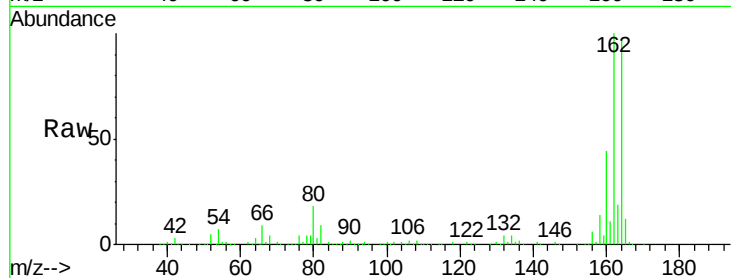




#57
 2,4-Dinitrotoluene
 Concen: 5.976 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.20 min
 Lab File: BF120033.D
 Acq: 16 Apr 2020 13:54

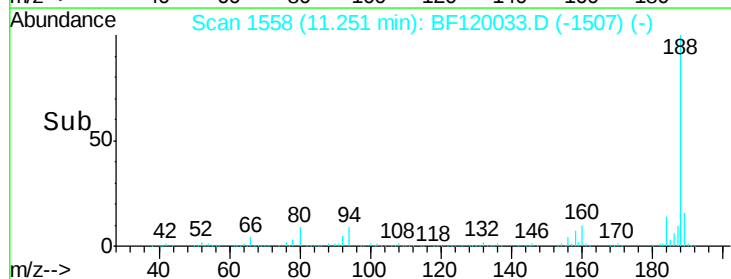
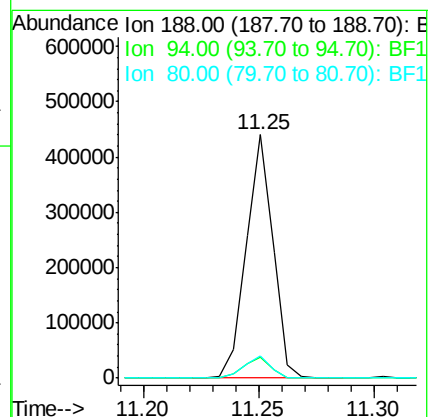
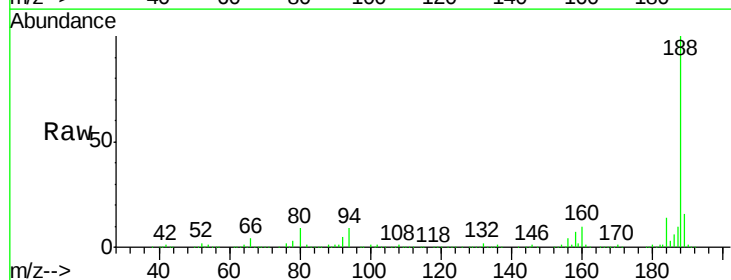
Instrument :
 BNA_F
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 TP-43-COMP

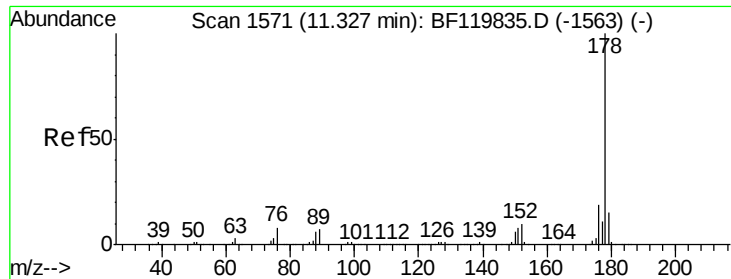
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.8	61.2#
89	1.4	56.9	85.3#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF120033.D
 Acq: 16 Apr 2020 13:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.7	10.1
80	9.0	7.4	11.2

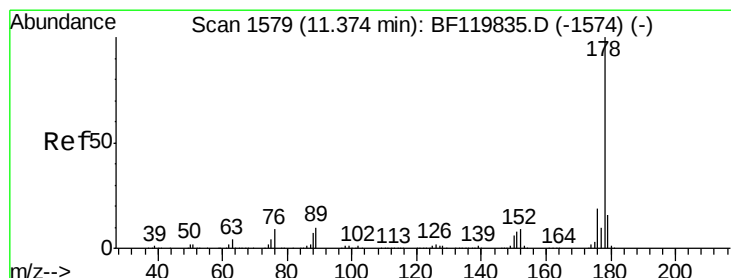
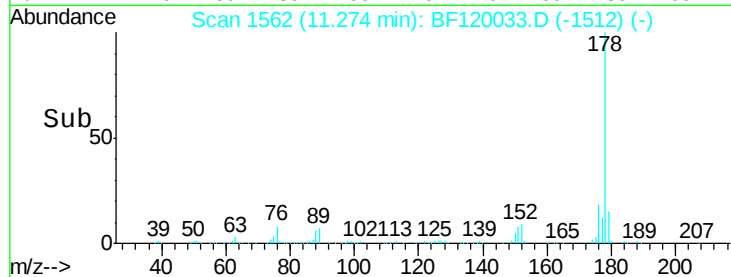
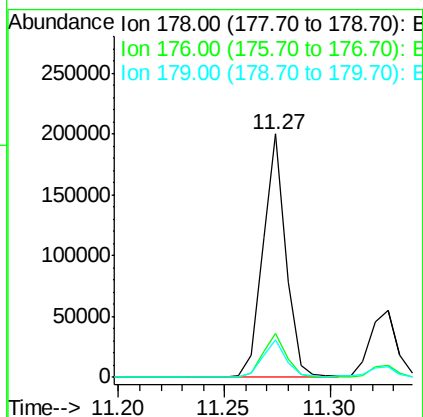
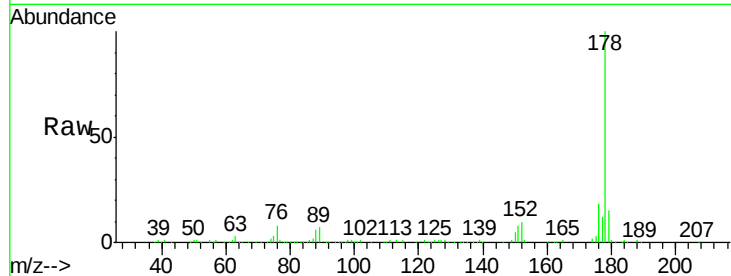




#71
Phenanthrene
Concen: 7.941 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

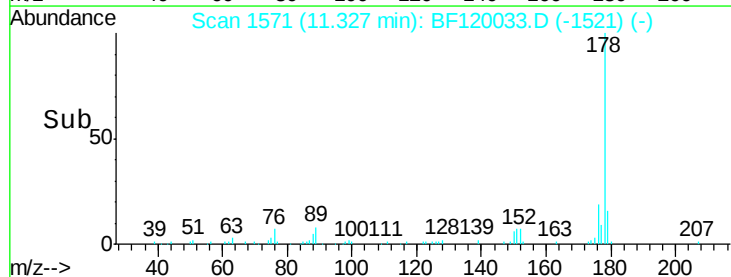
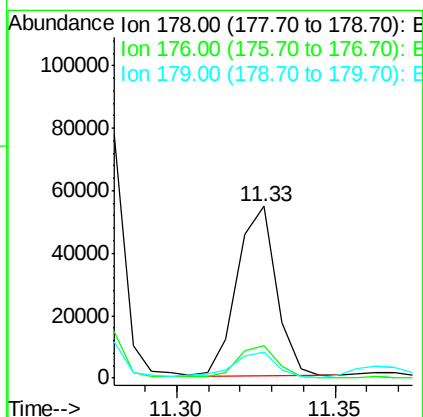
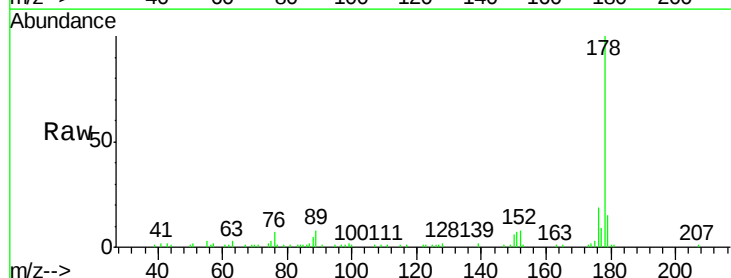
Instrument :
BNA_F
ClientSampleId :
TP-43-COMP

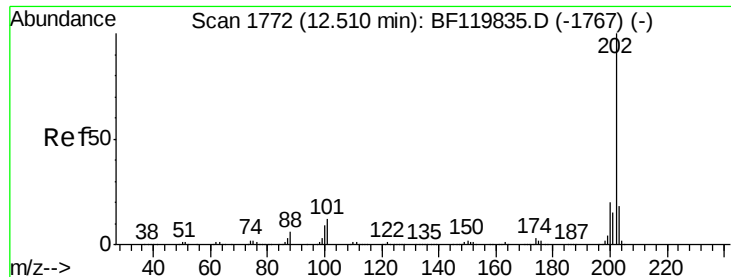
Tot Ion:178 Resp: 150925
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.2 12.2 18.4



#72
Anthracene
Concen: 2.396 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Tgt Ion:178 Resp: 46508
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.5 12.8 19.2





#75

Fluoranthene

Concen: 3.352 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Instrument :

BNA_F

ClientSampled :

TP-43-COMP

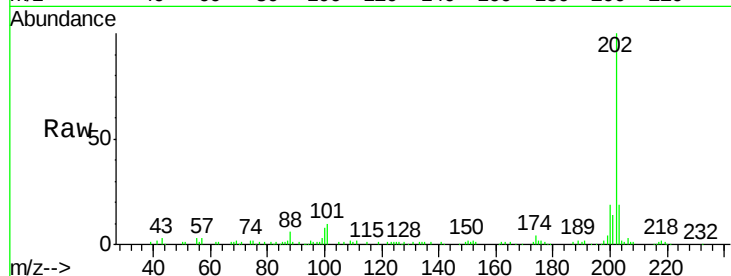
Tot Ion:202 Resp: 68737

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.3

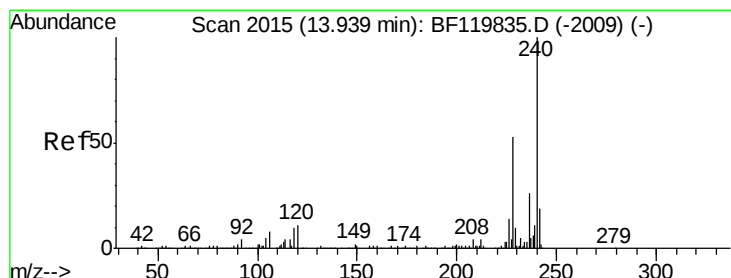
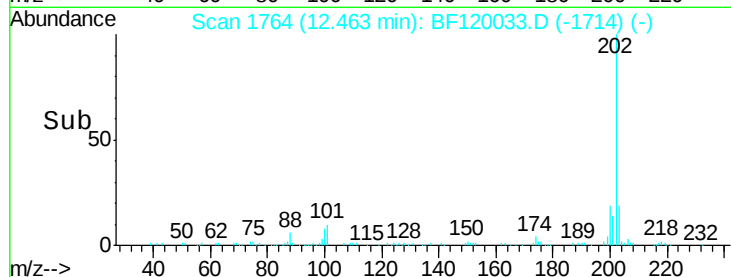
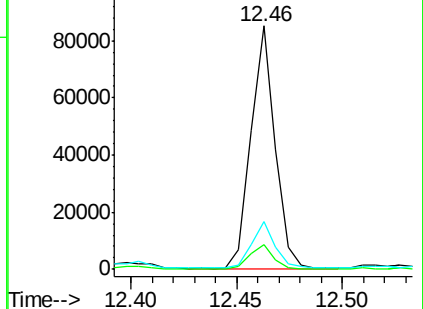
203 19.4 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

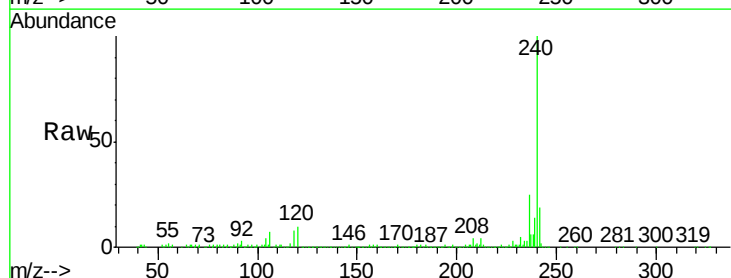
Tgt Ion:240 Resp: 242753

Ion Ratio Lower Upper

240 100

120 9.5 9.0 13.6

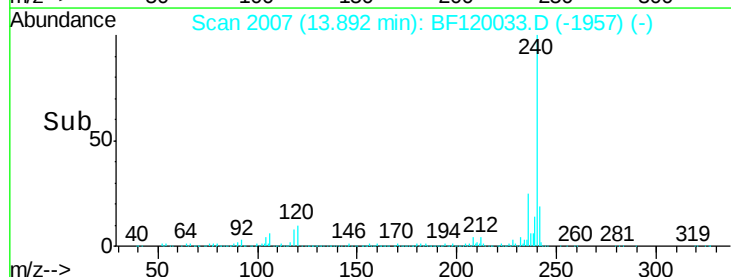
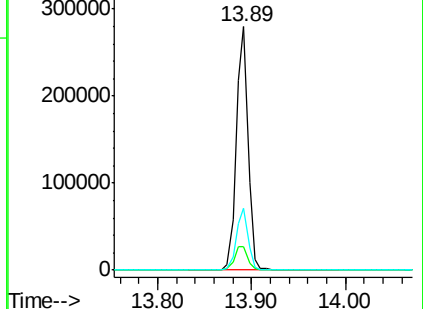
236 25.4 20.7 31.1

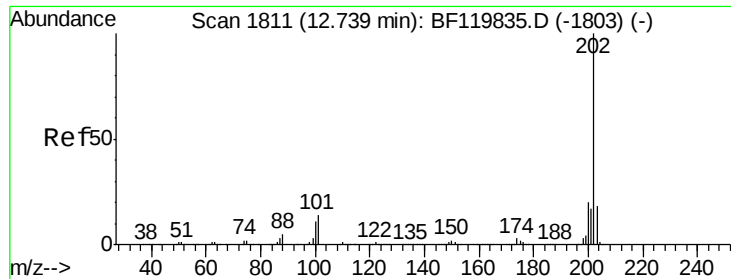


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

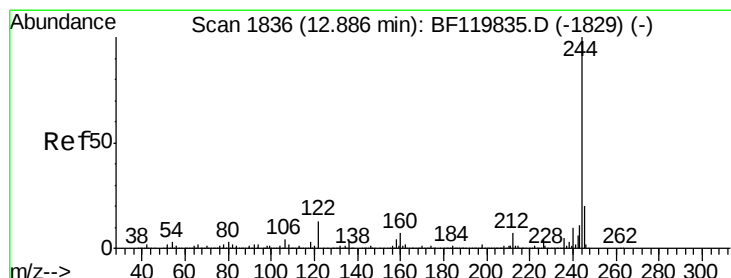
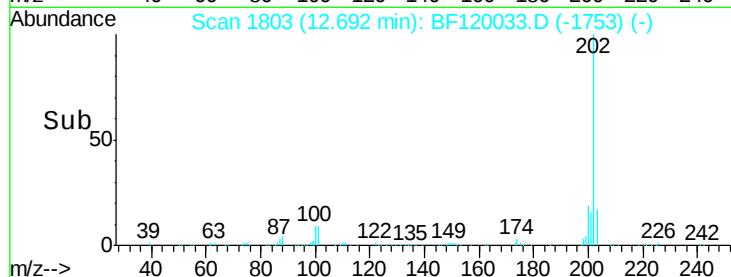
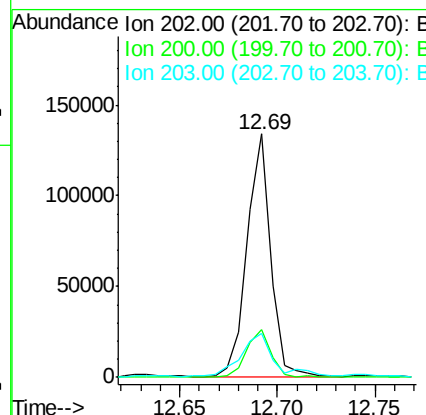
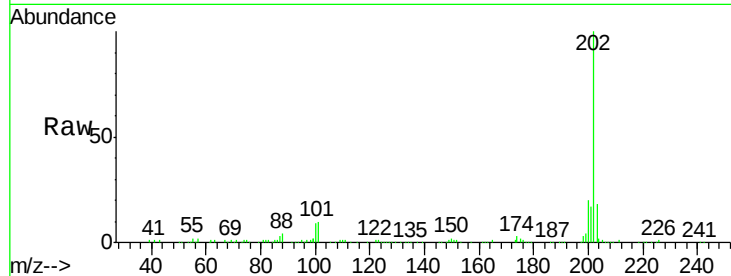




#78
Pvrene
Concen: 5.523 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

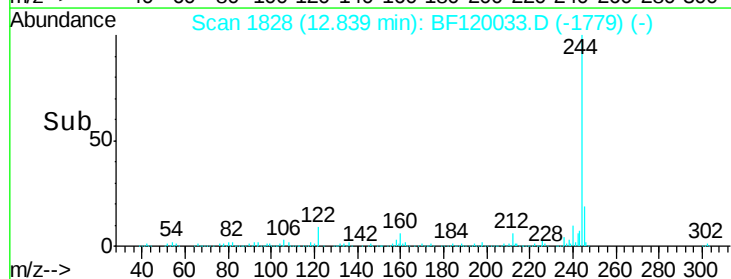
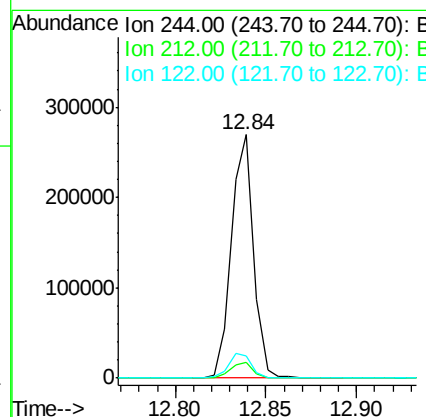
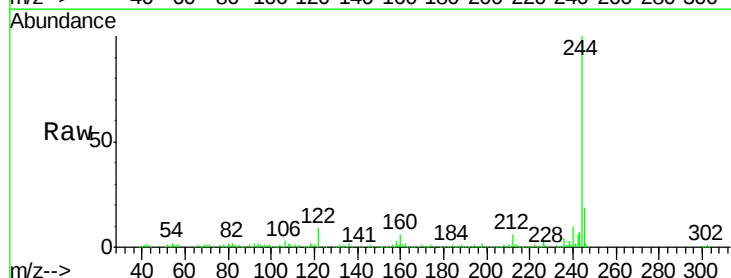
Instrument :
BNA_F
ClientSampleId :
TP-43-COMP

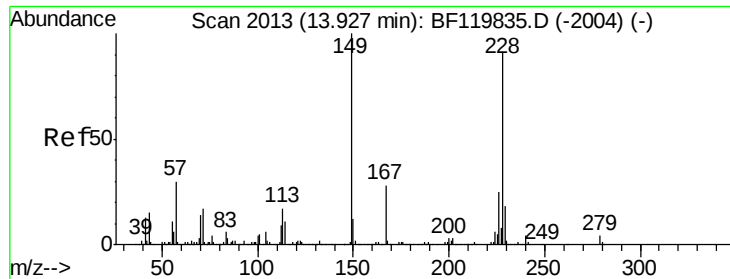
Tot Ion:202 Resp: 113032
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 18.3 14.1 21.1



#79
Terphenyl-d14
Concen: 15.855 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Tgt Ion:244 Resp: 228734
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 9.0 10.3 15.5#





#81

Benzo(a)anthracene

Concen: 2.493 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Instrument :

BNA_F

ClientSampleId :

TP-43-COMP

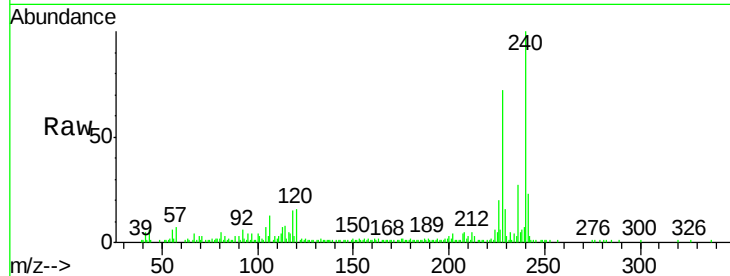
Tot Ion:228 Resp: 39808

Ion Ratio Lower Upper

228 100

226 28.2 21.9 32.9

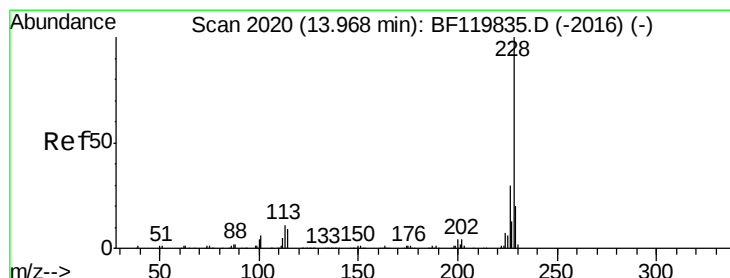
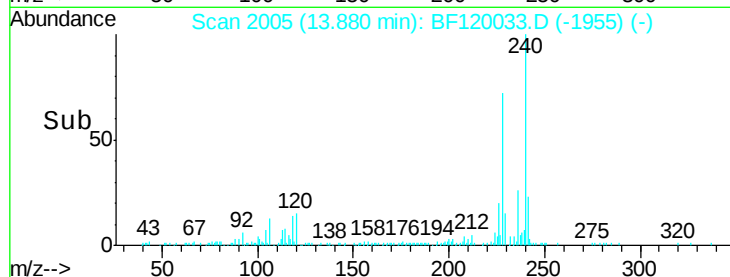
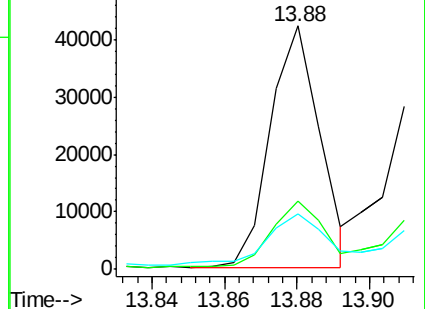
229 22.7 15.9 23.9



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



#83

Chrysene

Concen: 2.469 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

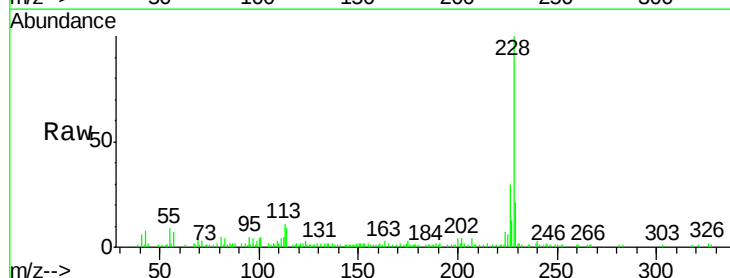
Tgt Ion:228 Resp: 40065

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

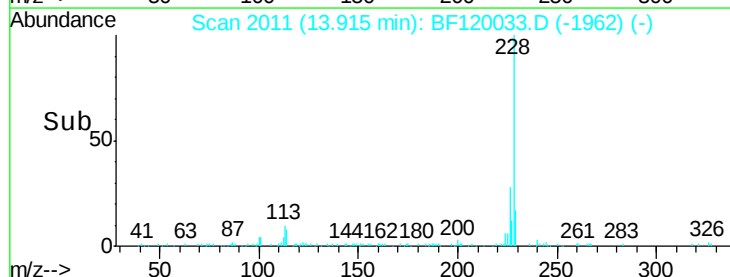
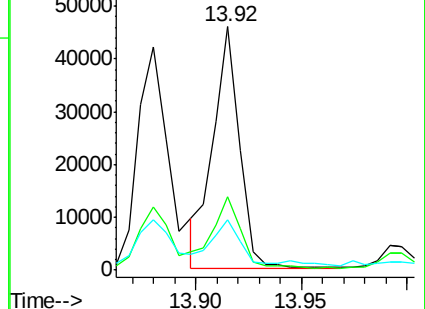
229 20.7 15.9 23.9

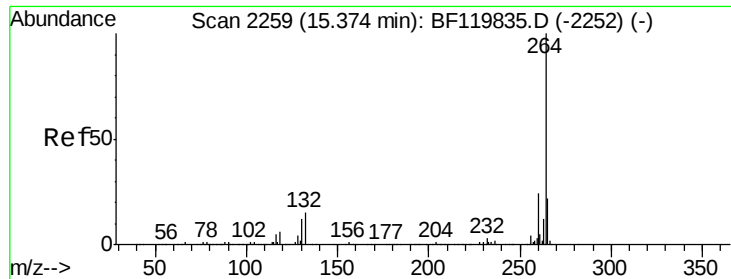


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

Instrument :

BNA_F

ClientSampleId :

TP-43-COMP

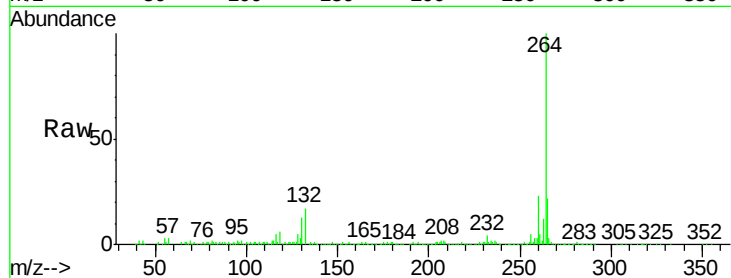
Tot Ion:264 Resp: 238361

Ion Ratio Lower Upper

264 100

260 22.7 19.3 28.9

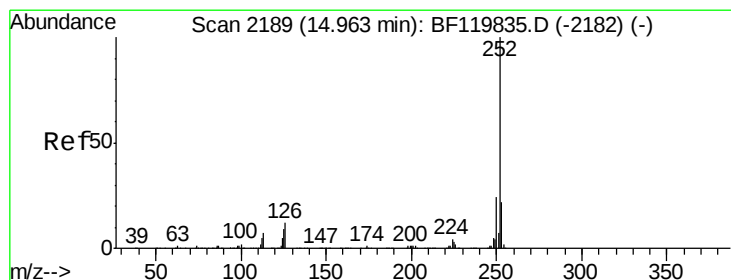
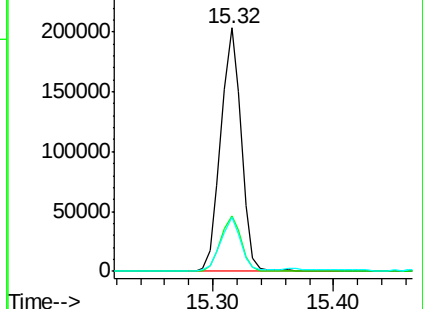
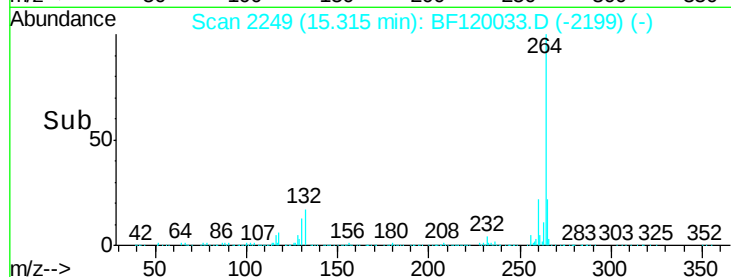
265 22.1 17.6 26.4



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: 2.696 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF120033.D

Acq: 16 Apr 2020 13:54

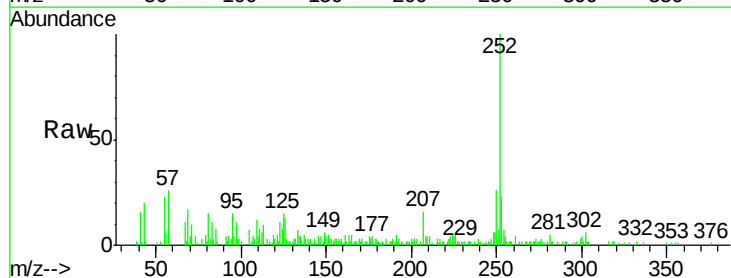
Tgt Ion:252 Resp: 46223

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

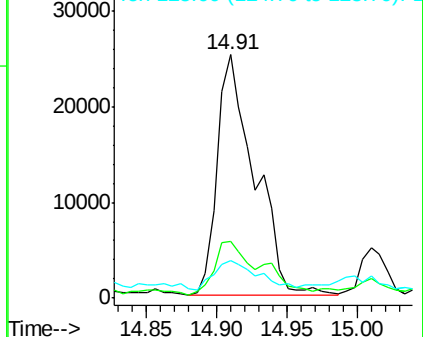
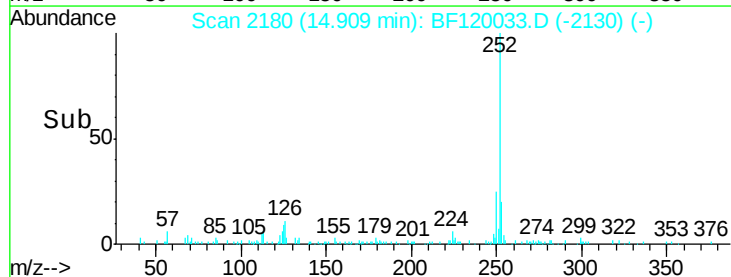
125 15.4 7.4 11.2#

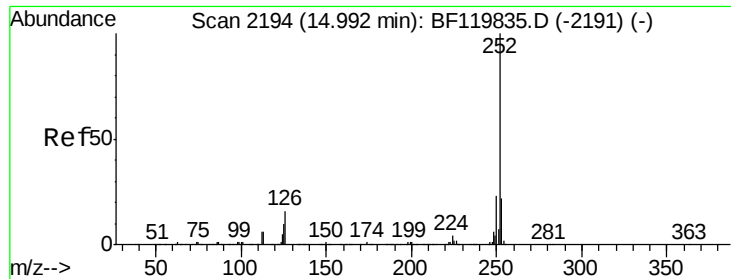


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

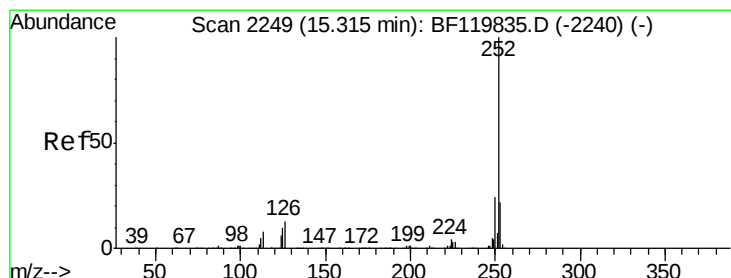
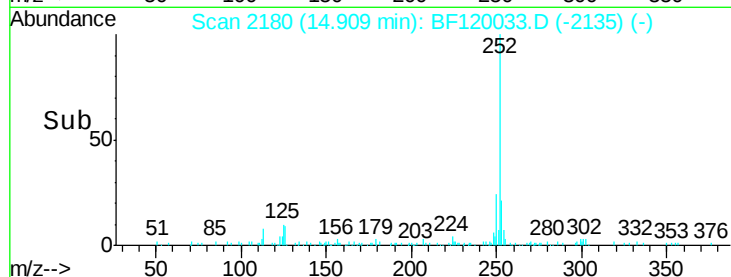
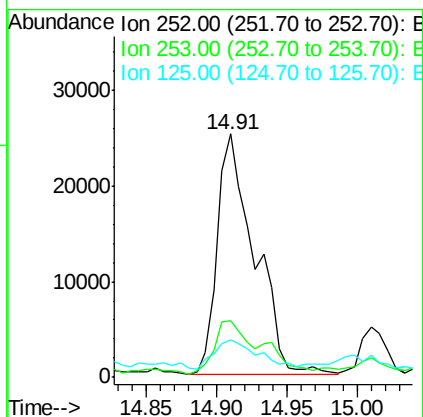
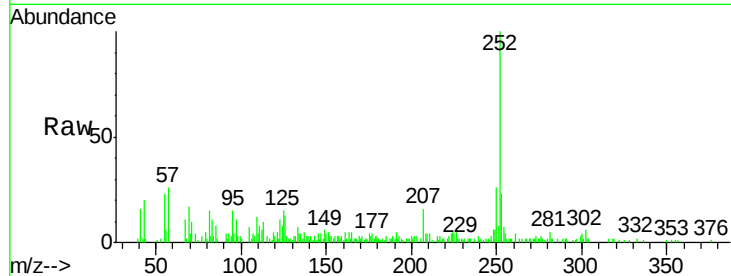




#89
Benzo(k)fluoranthene
Concen: 3.124 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Instrument :
BNA_F
ClientSampleId :
TP-43-COMP

Tot Ion:252 Resp: 46223
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 15.4 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 2.515 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120033.D
Acq: 16 Apr 2020 13:54

Tgt Ion:252 Resp: 36259
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 12.8 8.3 12.5#

