

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
 Data File : BF114206.D
 Acq On : 12 May 2019 21:16
 Operator : JU/SJ
 Sample : K2766-19 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0206-01

Quant Time: May 13 07:49:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	256510	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	992113	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	449215	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	804134	20.00	ng	0.00
76) Chrysene-d12	14.01	240	549673	20.00	ng	-0.01
87) Perylene-d12	15.48	264	594002	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	137382	8.62	ng	0.00
7) Phenol-d6	6.49	99	195016	10.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	112126	6.34	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	36717	7.91	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	196206	6.61	ng	0.00
79) Terphenyl-d14	12.95	244	163077	6.12	ng	0.00

Target Compounds

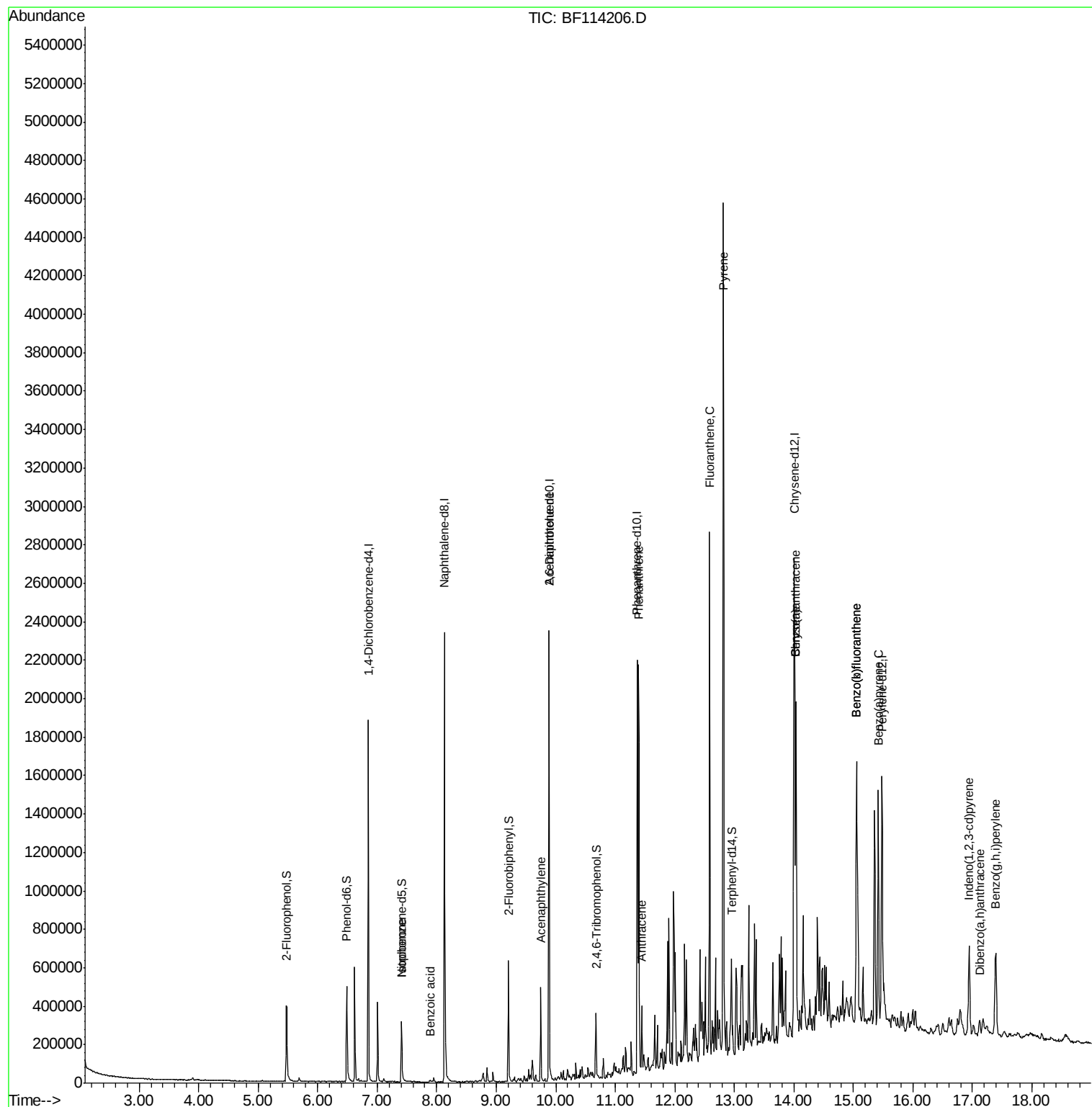
						Qvalue
25) Isophorone	7.41	82	112125	3.420	ng	# 64
32) Benzoic acid	7.88	122	551	7.069	ng	83
49) Acenaphthylene	9.75	152	199701	4.496	ng	97
51) 2,6-Dinitrotoluene	9.89	165	59787	8.174	ng	# 22
71) Phenanthrene	11.39	178	766038	19.581	ng	98
72) Anthracene	11.44	178	132813	3.380	ng	97
75) Fluoranthene	12.59	202	999916	23.734	ng	98
78) Pyrene	12.82	202	1737468	39.293	ng	99
81) Benzo(a)anthracene	14.04	228	720965	20.279	ng	97
83) Chrysene	14.04	228	720965	20.687	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	306849	9.962	ng	97
88) Benzo(b)fluoranthene	15.06	252	953921	25.067	ng	# 98
89) Benzo(k)fluoranthene	15.06	252	953921	27.288	ng	98
90) Benzo(a)pyrene	15.42	252	477699	14.263	ng	99
91) Dibenzo(a,h)anthracene	17.12	278	58618	2.106	ng	97
92) Benzo(g,h,i)perylene	17.39	276	344988	12.370	ng	98

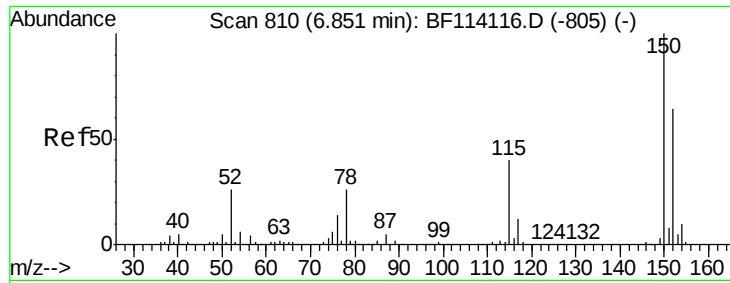
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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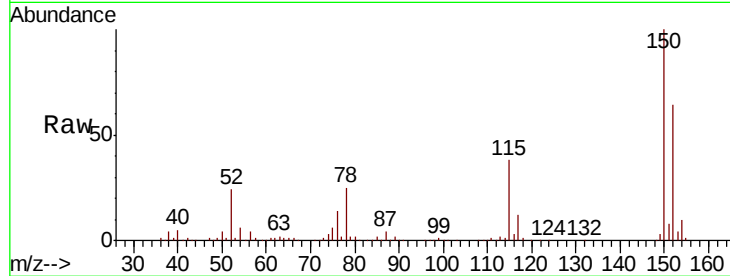


#1

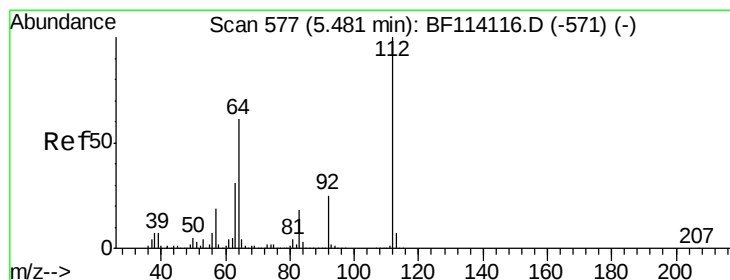
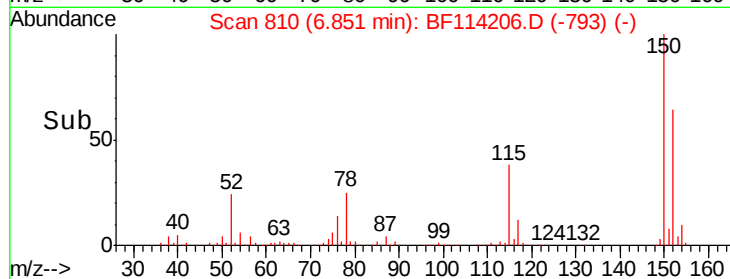
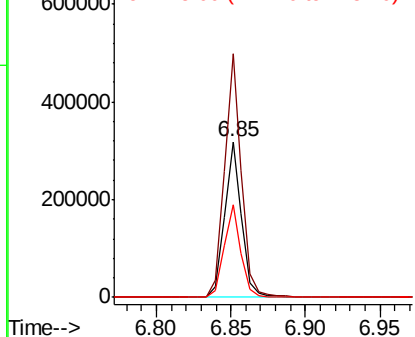
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tgt Ion:152 Resp: 256510
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 59.3 49.1 73.7



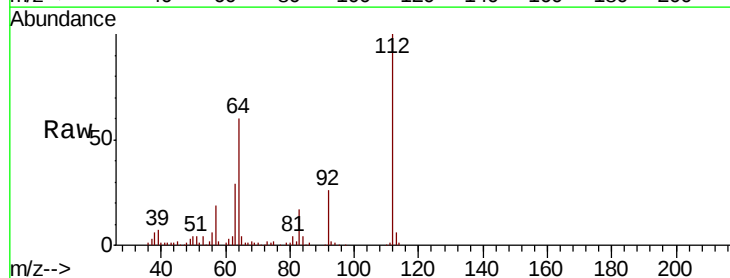
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



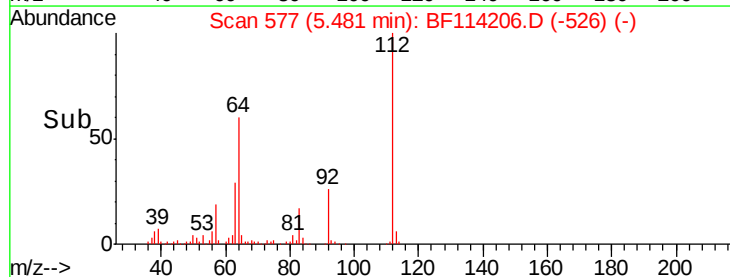
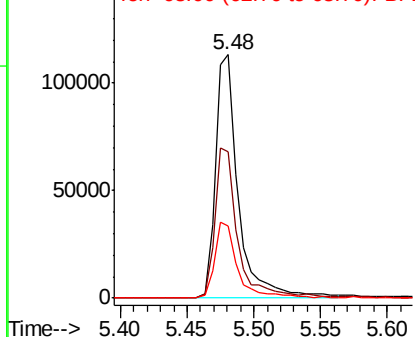
#5

2-Fluorophenol
Concen: 8.619 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion:112 Resp: 137382
Ion Ratio Lower Upper
112 100
64 60.0 49.0 73.6
63 29.4 24.6 37.0



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: 10.344 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

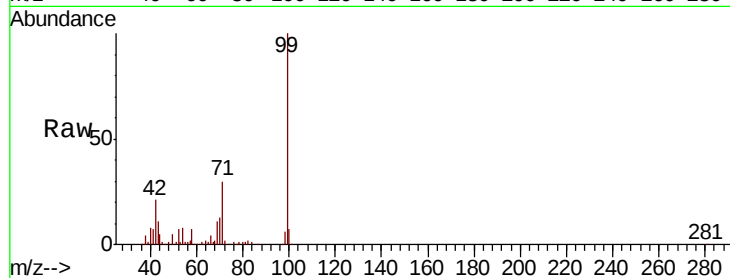
Tgt Ion: 99 Resp: 195016

Ion Ratio Lower Upper

99 100

42 20.6 17.9 26.9

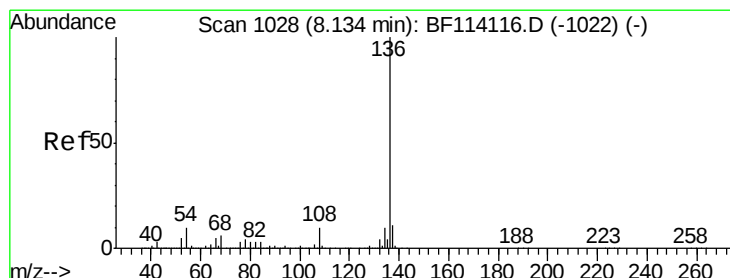
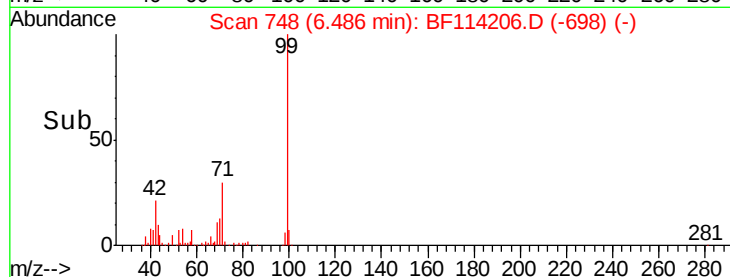
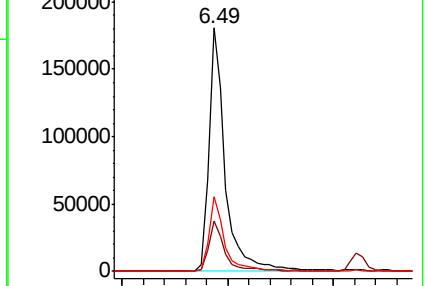
71 30.4 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Tgt Ion: 136 Resp: 992113

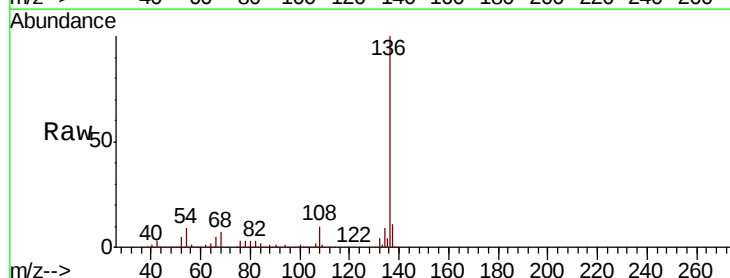
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.3 7.8 11.8

68 6.7 5.1 7.7

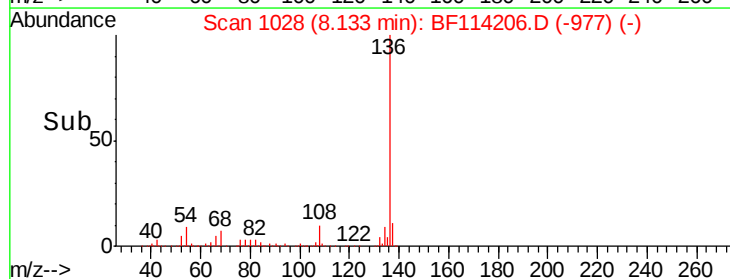
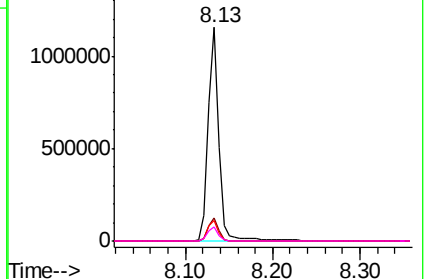


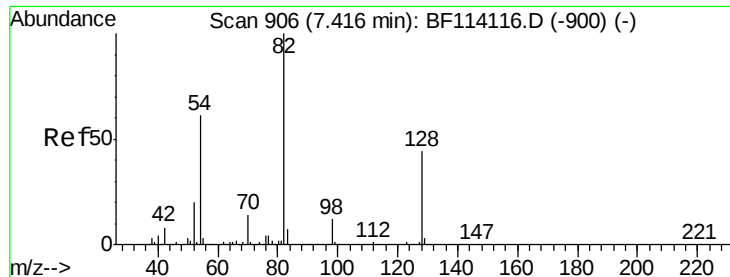
Abundance Ion 136.00 (135.70 to 136.70): E

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

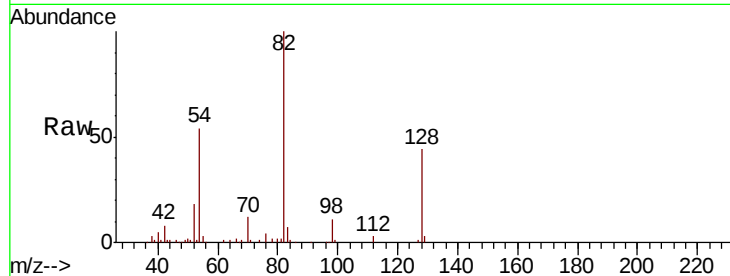




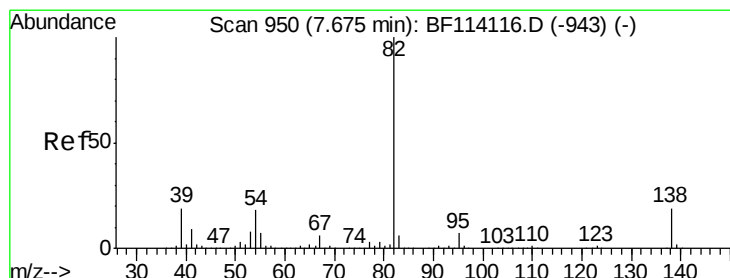
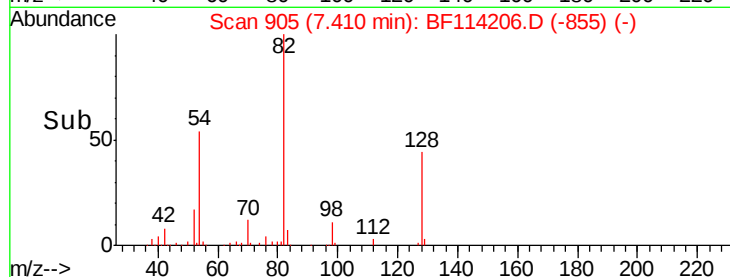
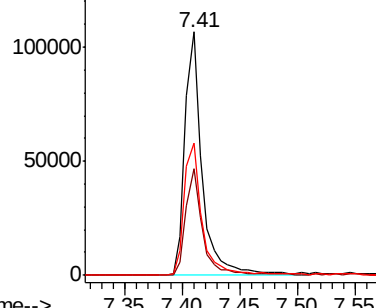
#23
 Nitrobenzene-d5
 Concen: 6.343 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114206.D
 Acq: 12 May 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0206-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.5	53.3
54	54.2	48.5	72.7

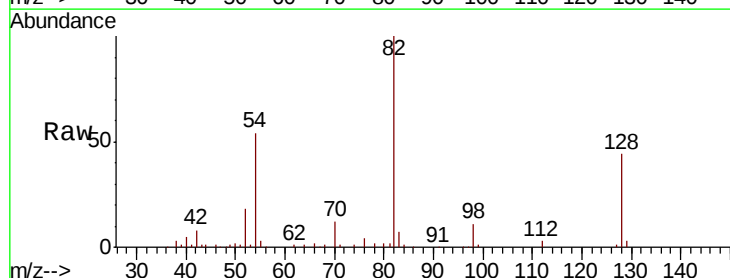


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

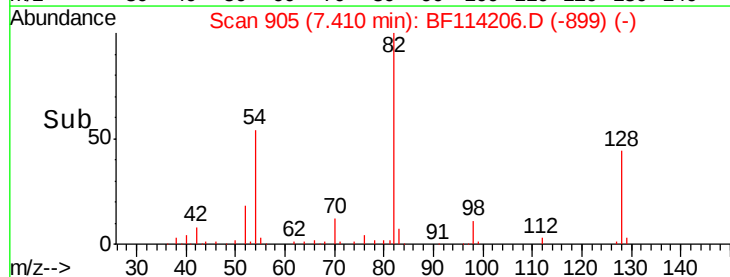
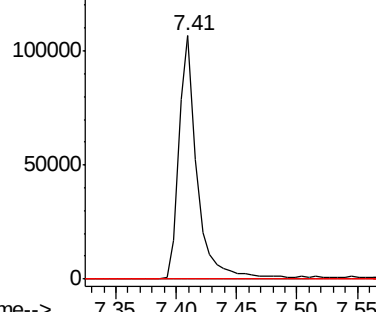


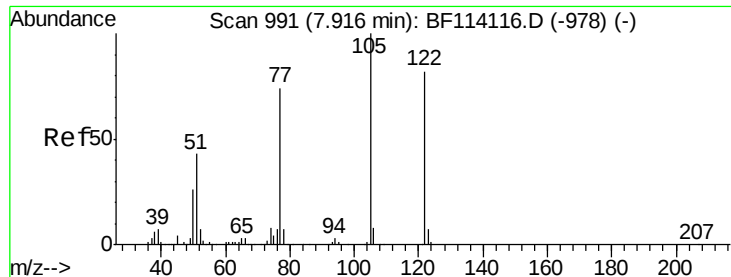
#25
 Isophorone
 Concen: 3.420 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF114206.D
 Acq: 12 May 2019 21:16

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.8	22.2#



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

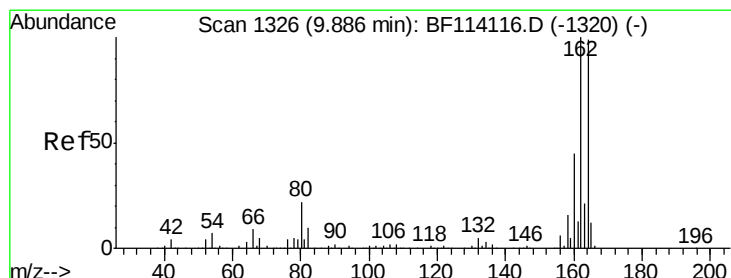
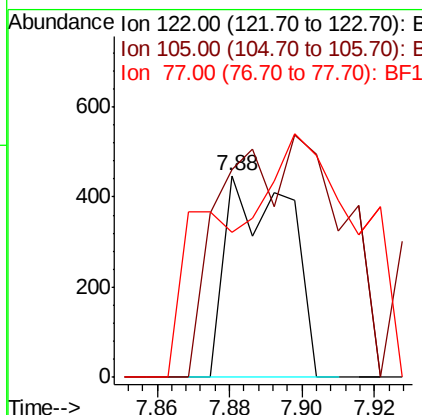
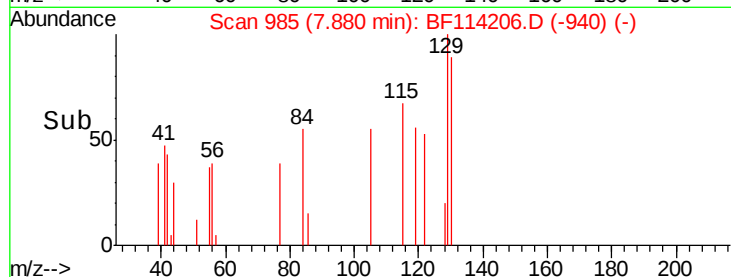
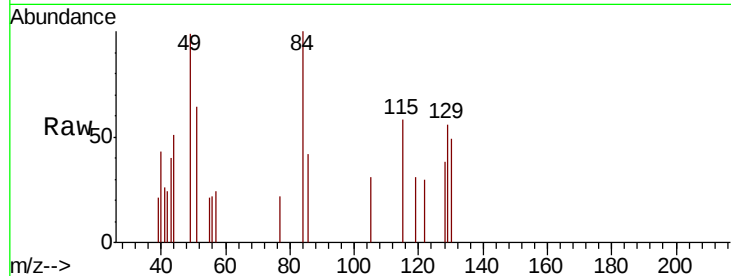




#32
Benzoic acid
Concen: 7.069 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

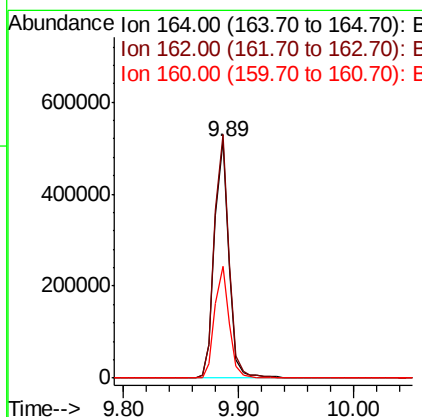
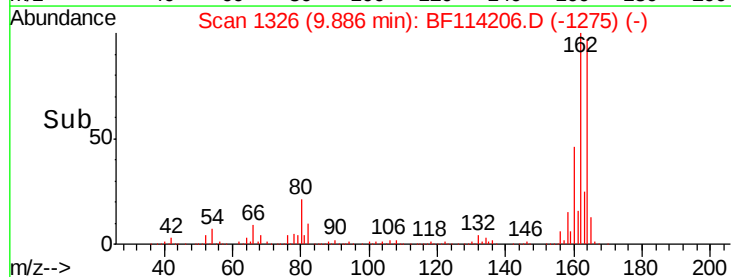
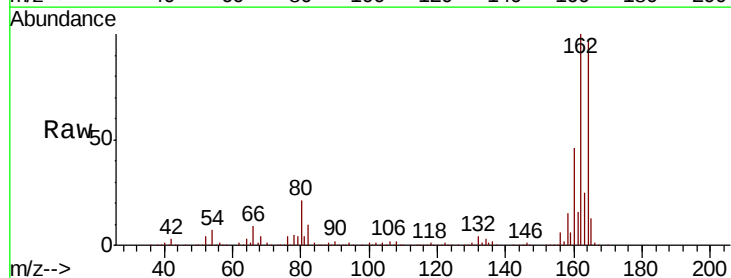
Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

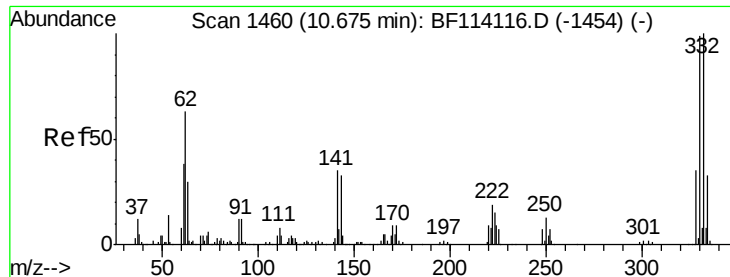
Tgt Ion:122 Resp: 551
Ion Ratio Lower Upper
122 100
105 102.9 99.9 139.9
77 72.3 69.4 109.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion:164 Resp: 449215
Ion Ratio Lower Upper
164 100
162 102.7 80.6 120.8
160 47.2 36.5 54.7

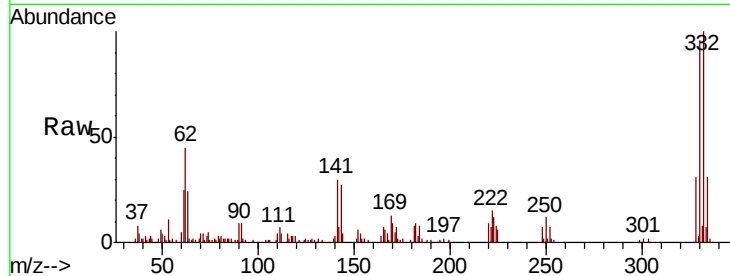




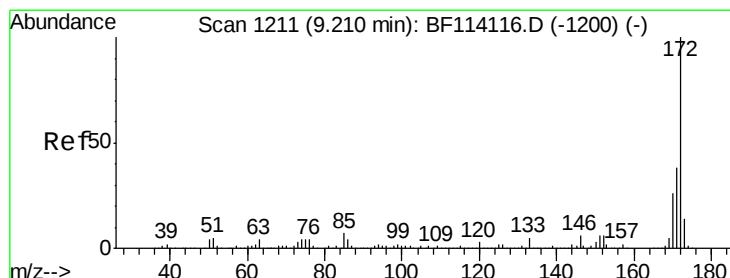
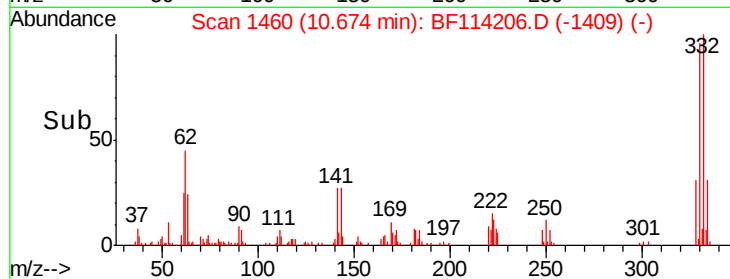
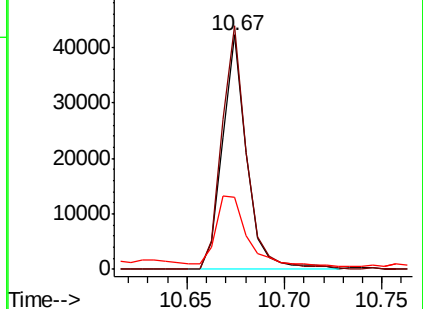
#42
 2,4,6-Tribromophenol
 Concen: 7.906 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114206.D
 Acq: 12 May 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0206-01

Tgt Ion: 330 Resp: 36717
 Ion Ratio Lower Upper
 330 100
 332 105.7 81.4 122.2
 141 42.3 26.6 40.0#

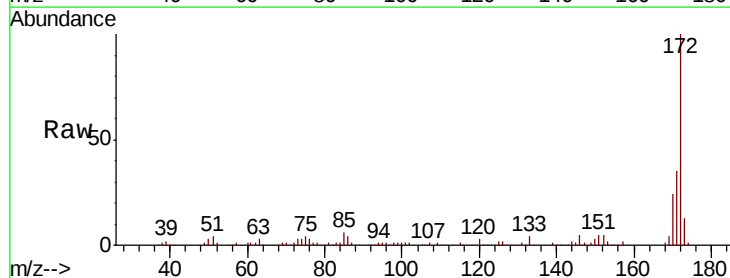


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

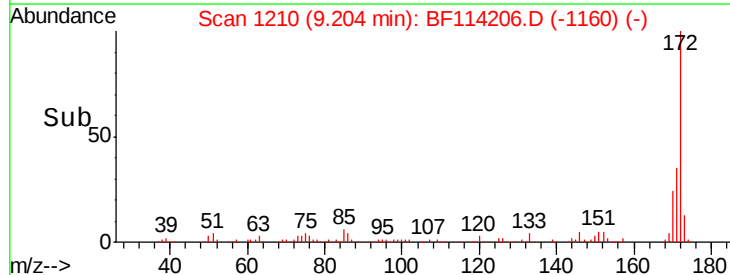
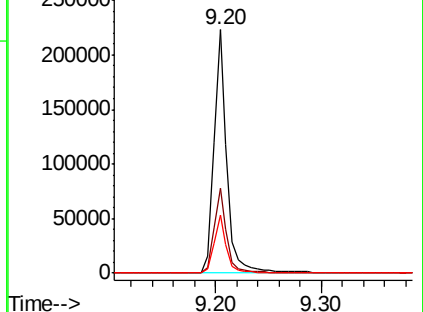


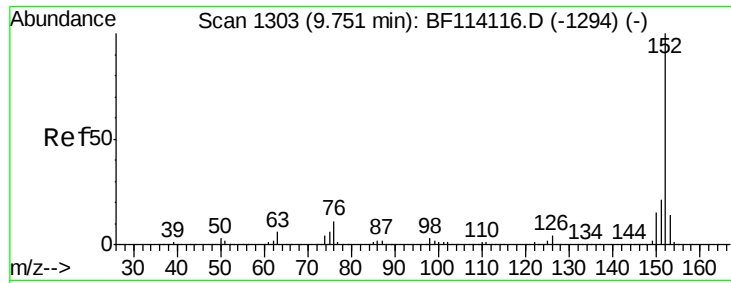
#45
 2-Fluorobiphenyl
 Concen: 6.607 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114206.D
 Acq: 12 May 2019 21:16

Tgt Ion: 172 Resp: 196206
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.7 46.1
 170 23.6 20.5 30.7



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





#49

Acenaphthylene

Concen: 4.496 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

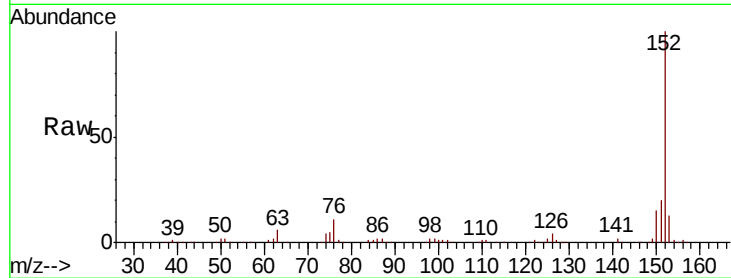
Tgt Ion:152 Resp: 199701

Ion Ratio Lower Upper

152 100

151 19.8 16.8 25.2

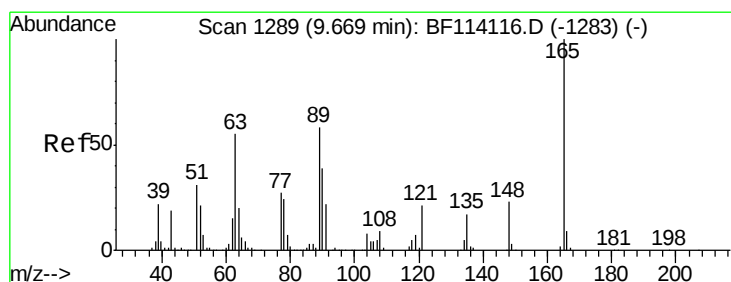
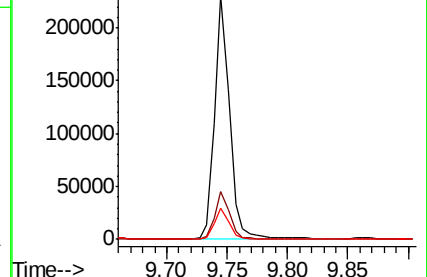
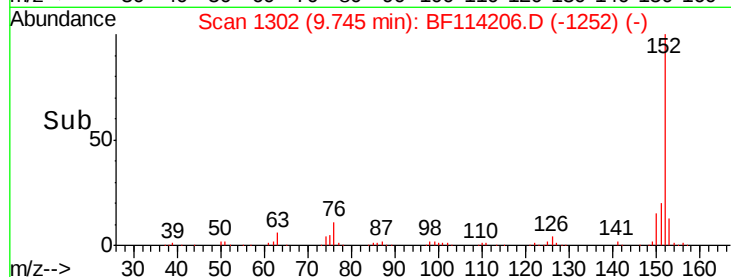
153 12.6 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 8.174 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.22 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

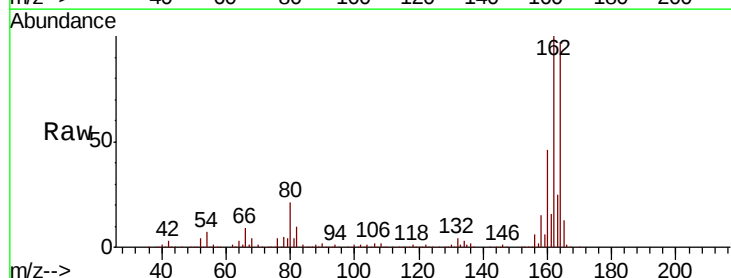
Tgt Ion:165 Resp: 59787

Ion Ratio Lower Upper

165 100

63 1.4 50.2 75.4#

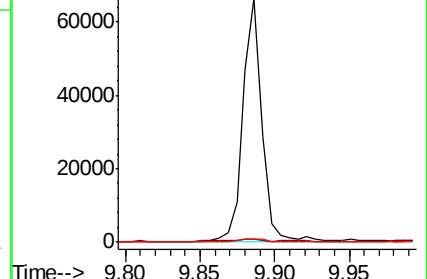
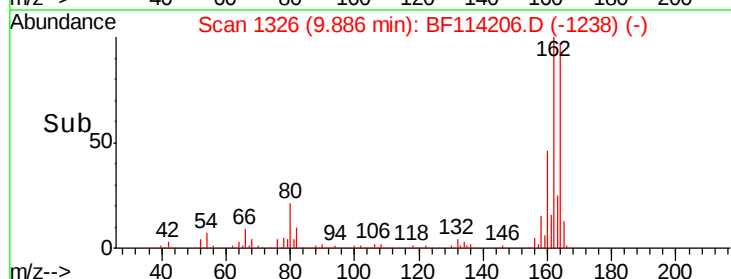
89 1.3 46.6 69.8#

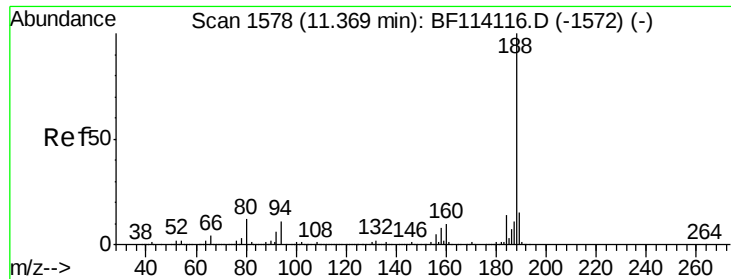


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

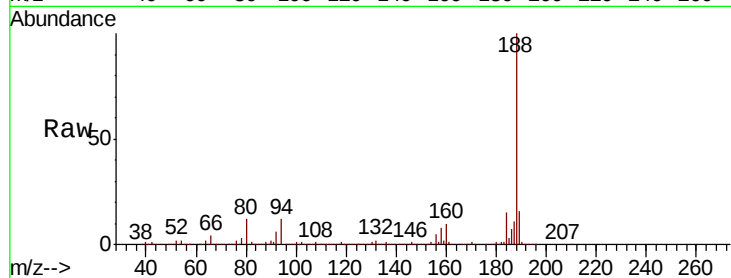




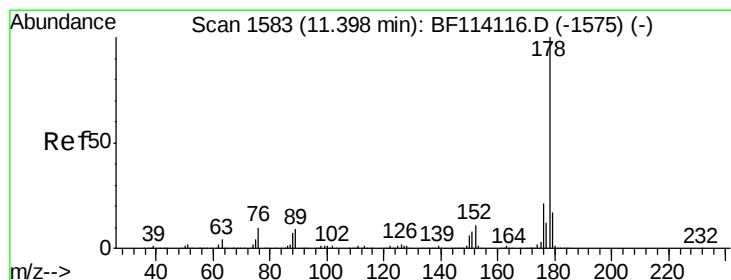
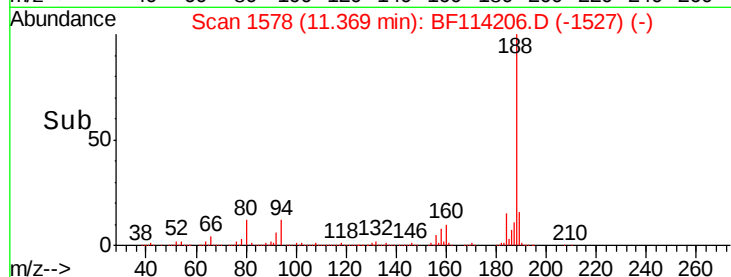
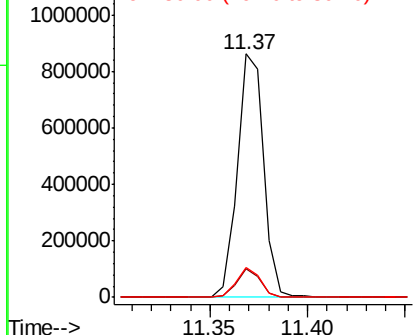
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tgt Ion:188 Resp: 804134
Ion Ratio Lower Upper
188 100
94 11.7 8.4 12.6
80 12.2 9.2 13.8

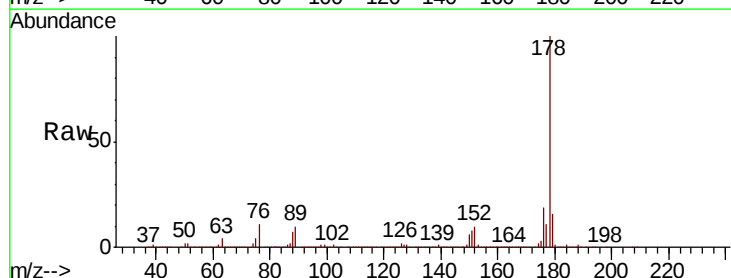


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

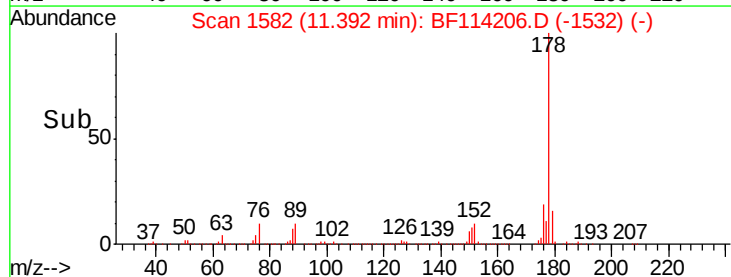
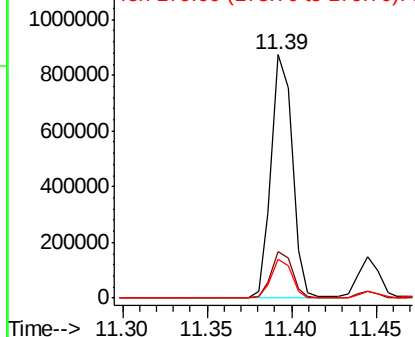


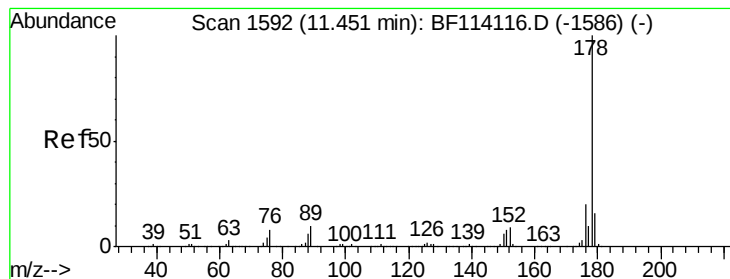
#71
Phenanthrene
Concen: 19.581 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion:178 Resp: 766038
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 16.0 13.2 19.8



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





#72

Anthracene

Concen: 3.380 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

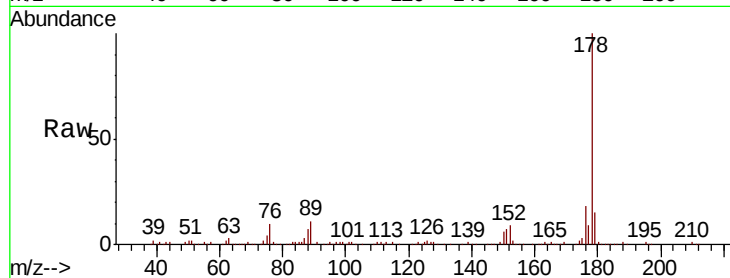
Tgt Ion:178 Resp: 132813

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

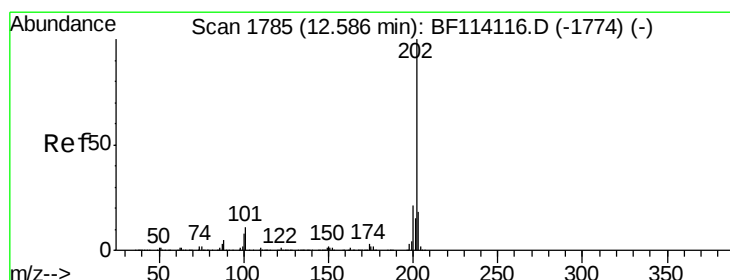
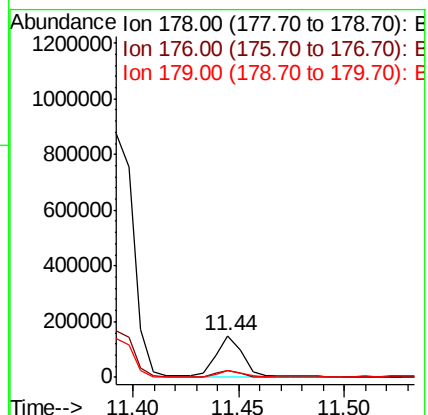
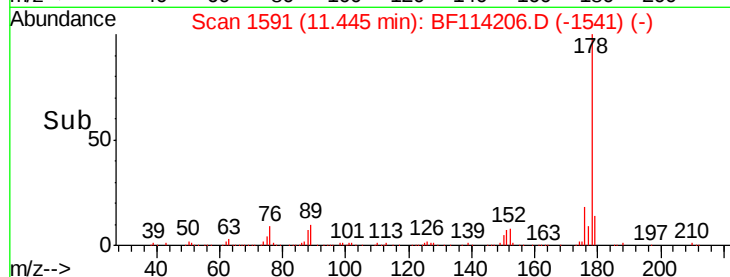
179 15.3 13.0 19.4



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: 23.734 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

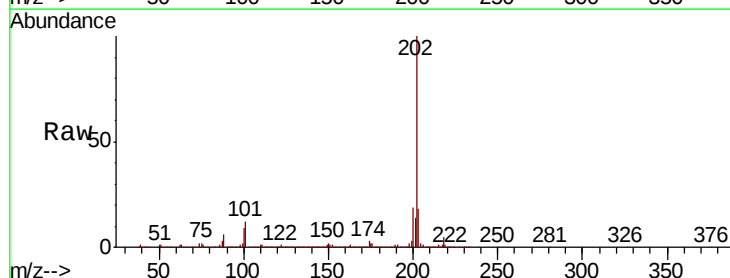
Tgt Ion:202 Resp: 999916

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.0

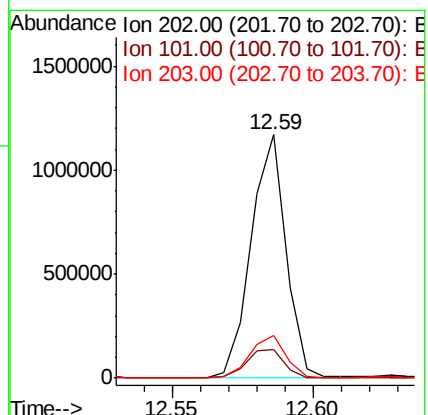
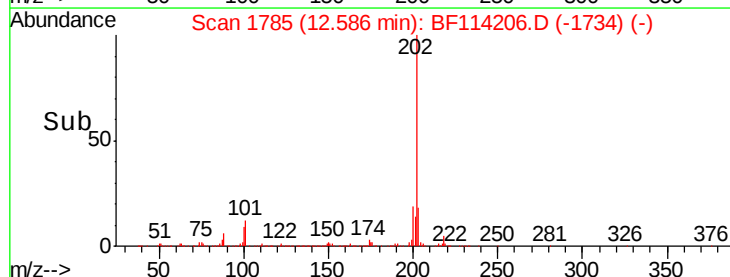
203 17.7 0.0 38.4

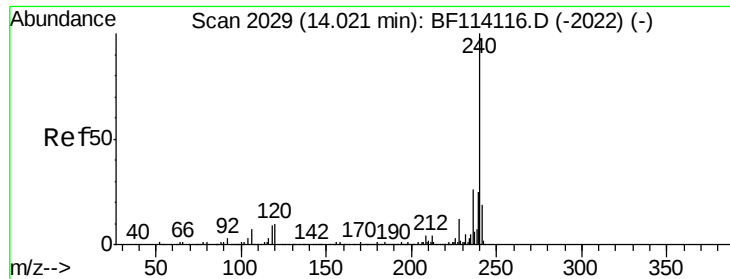


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

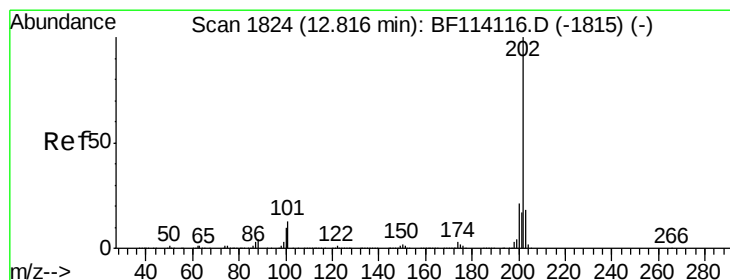
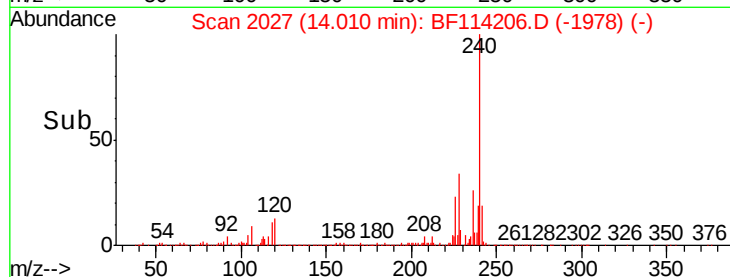
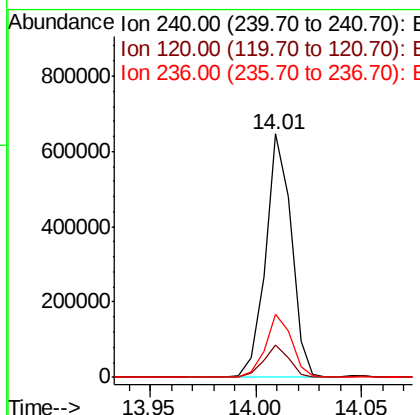
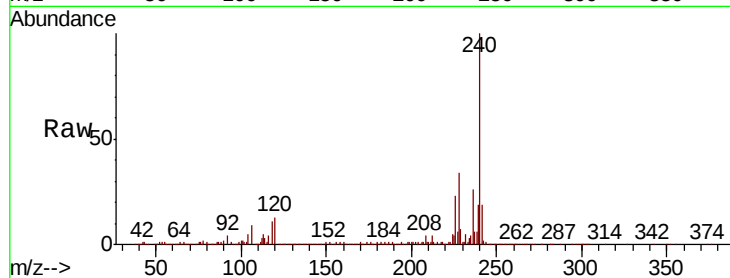




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

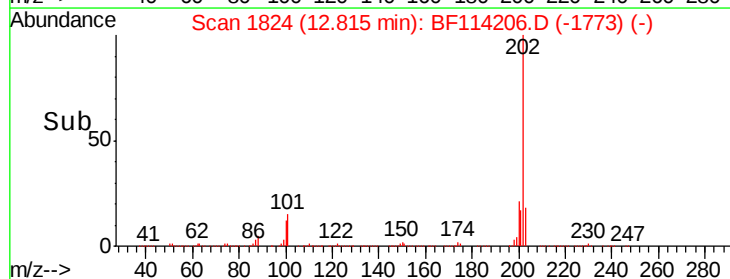
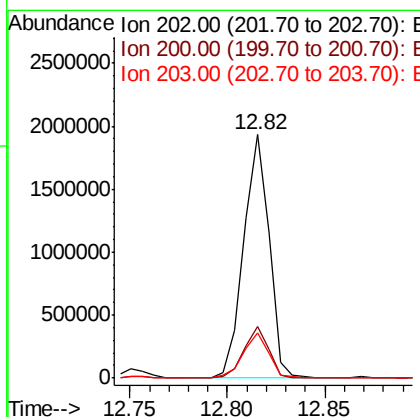
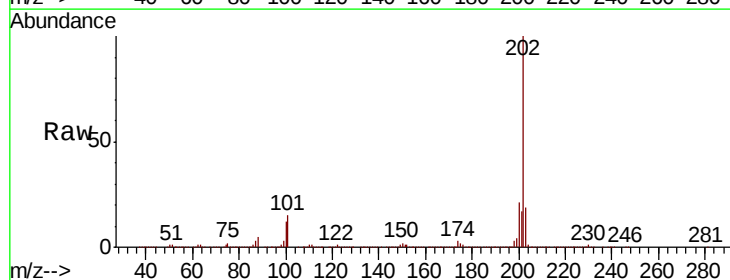
Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

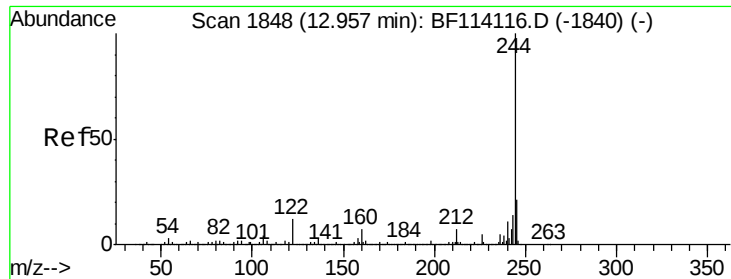
Tgt Ion:240 Resp: 549673
Ion Ratio Lower Upper
240 100
120 13.2 8.3 12.5#
236 25.7 20.8 31.2



#78
Pyrene
Concen: 39.293 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion:202 Resp: 1737468
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 18.6 14.5 21.7





#79

Terphenyl-d14

Concen: 6.116 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

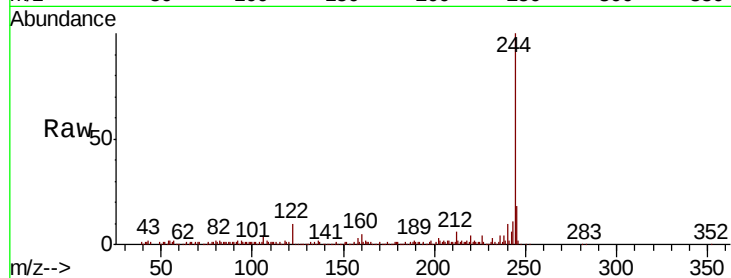
Tgt Ion:244 Resp: 163077

Ion Ratio Lower Upper

244 100

212 5.7 5.8 8.6#

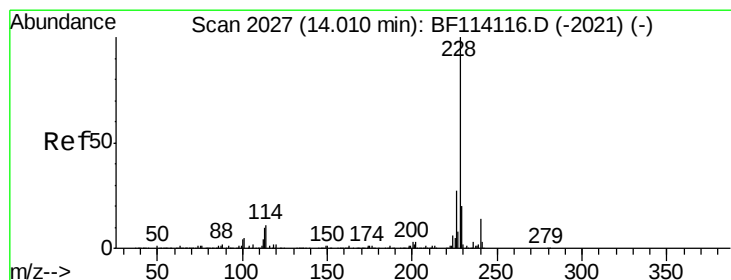
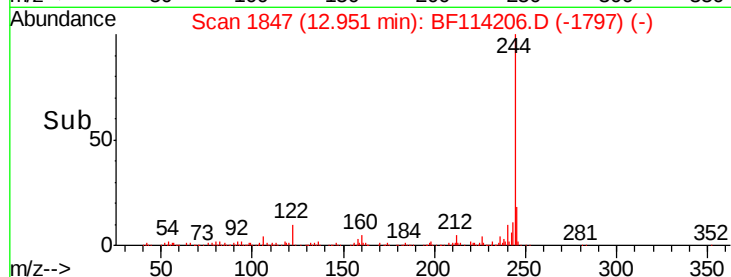
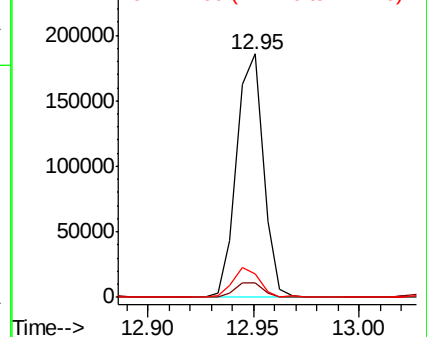
122 9.7 9.4 14.2



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: 20.279 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.03 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

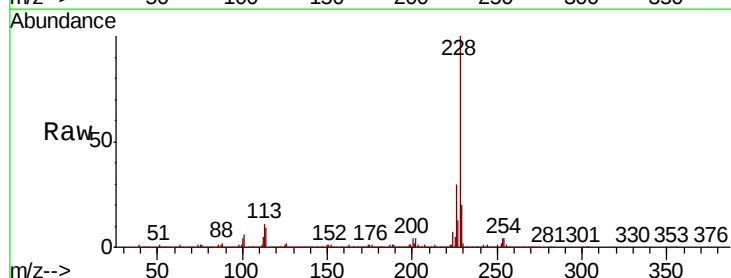
Tgt Ion:228 Resp: 720965

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.2

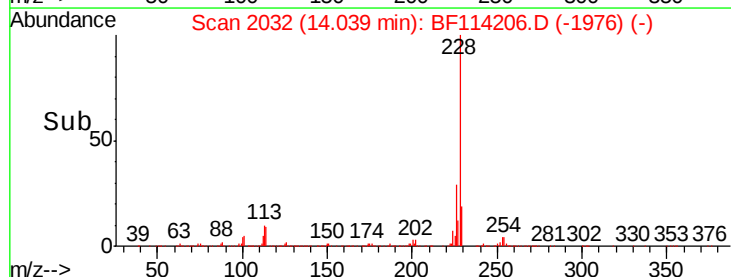
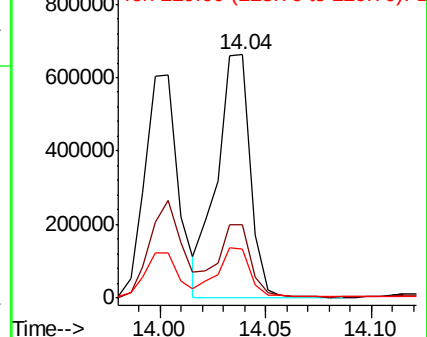
229 20.0 16.4 24.6

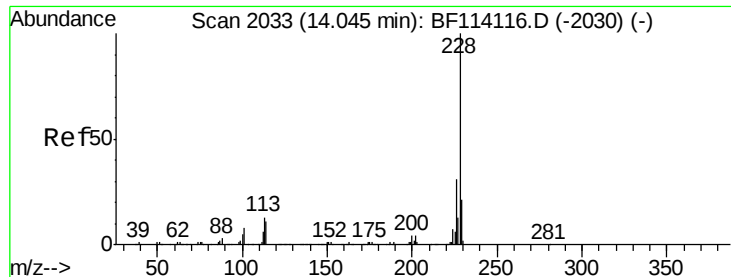


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 20.687 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

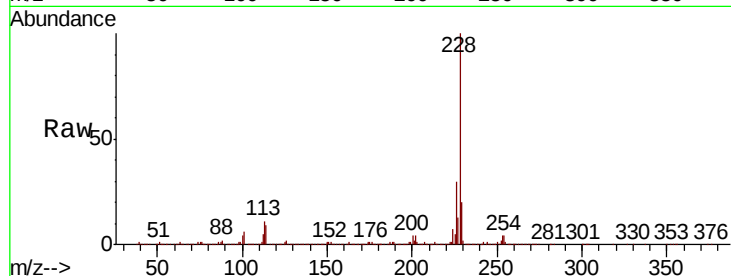
Tgt Ion:228 Resp: 720965

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

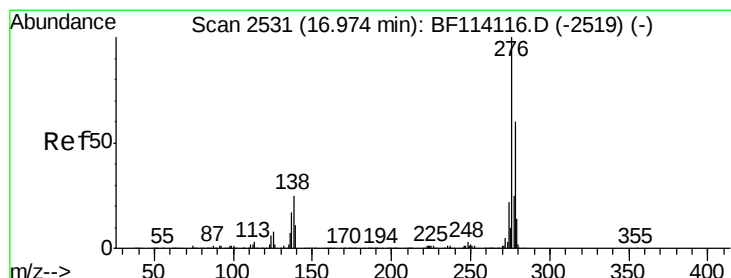
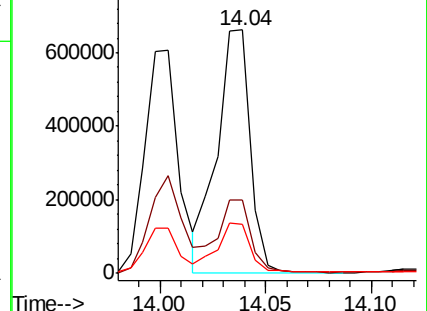
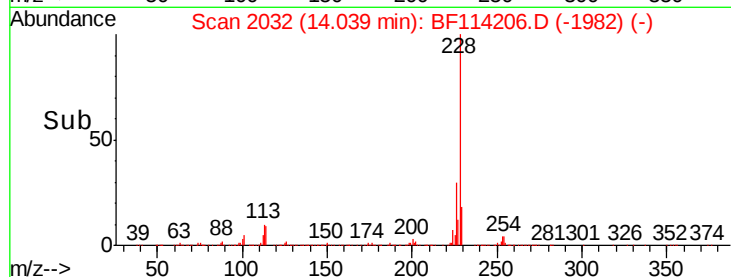
229 20.0 17.0 25.6



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

Indeno(1,2,3-cd)pyrene

Concen: 9.962 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.03 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

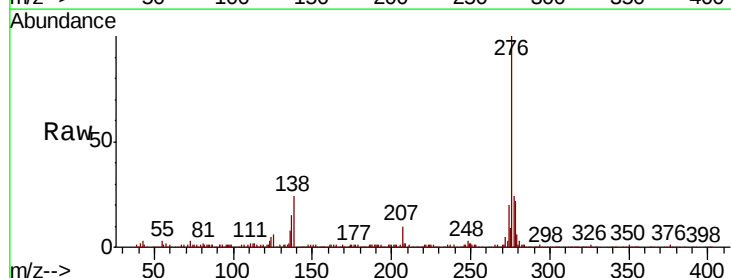
Tgt Ion:276 Resp: 306849

Ion Ratio Lower Upper

276 100

138 23.3 20.2 30.2

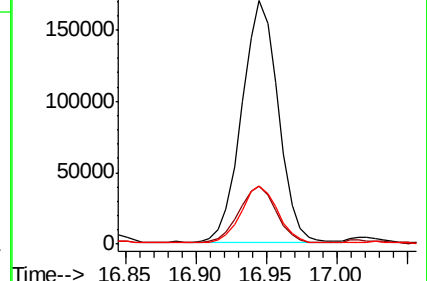
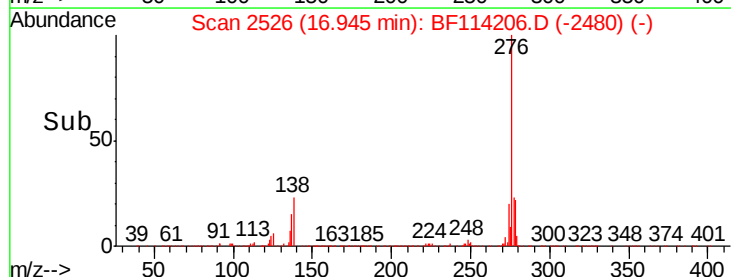
277 23.5 20.0 30.0

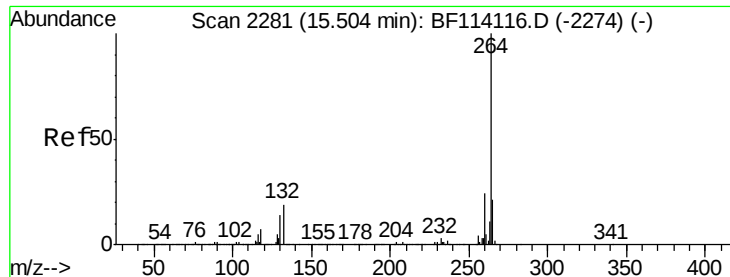


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

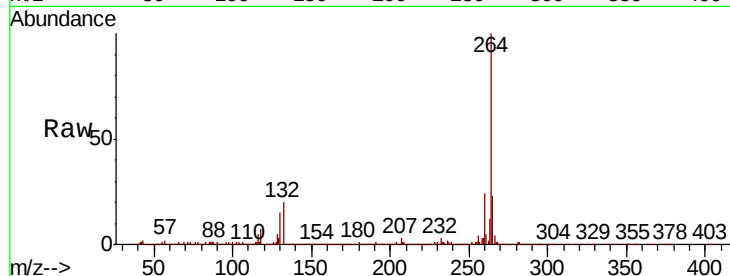




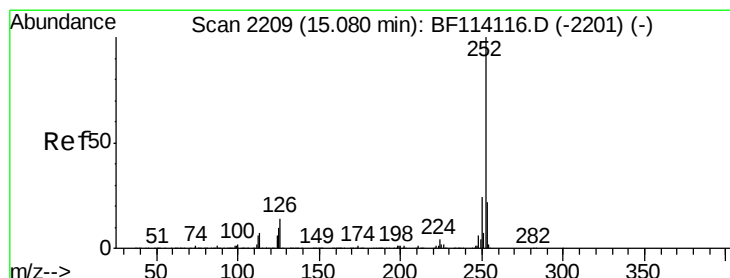
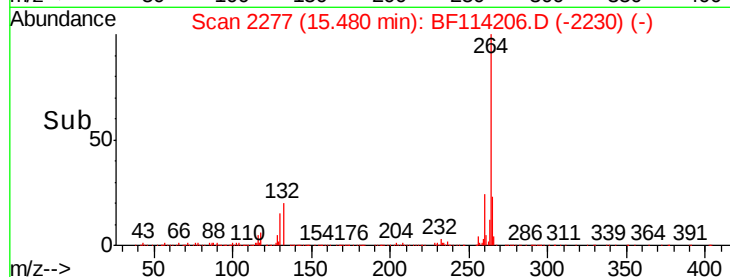
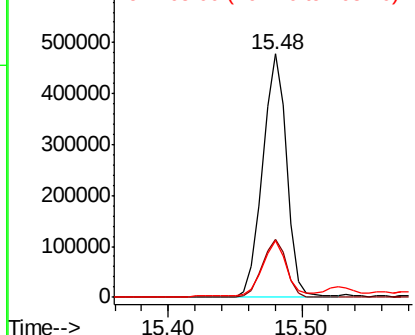
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

Tgt Ion: 264 Resp: 594002
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.0
265 23.2 16.9 25.3

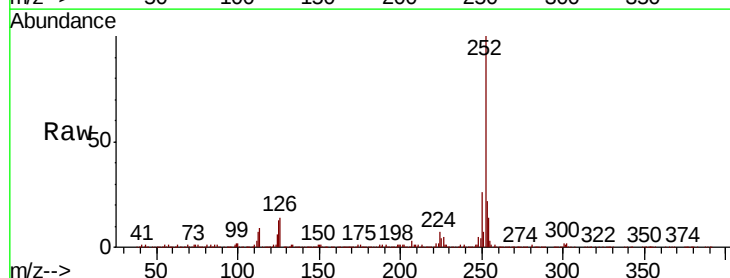


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

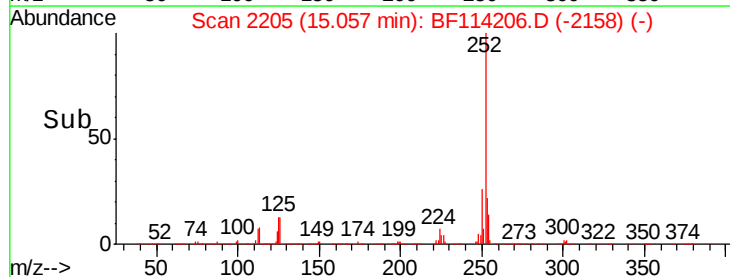
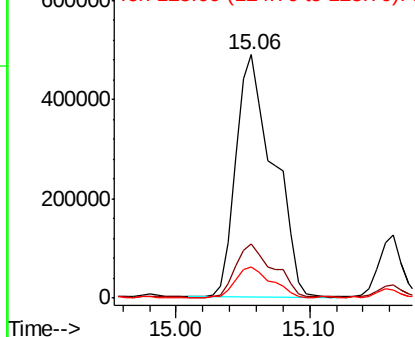


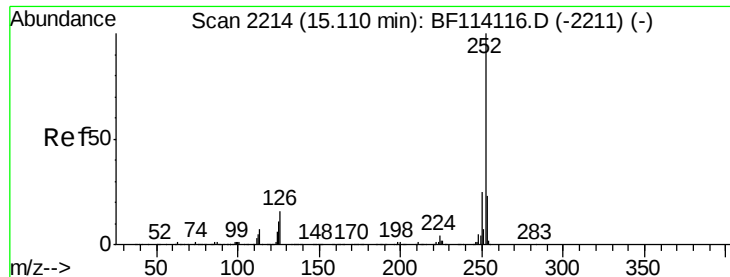
#88
Benzo(b)fluoranthene
Concen: 25.067 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion: 252 Resp: 953921
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 12.8 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

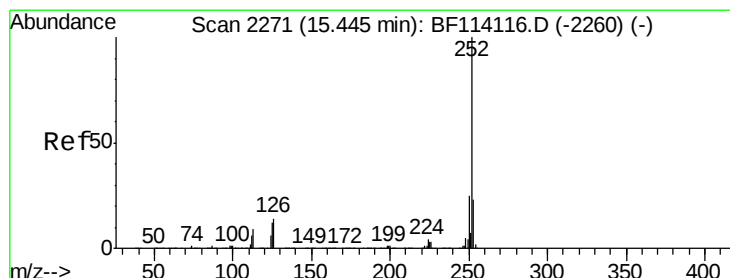
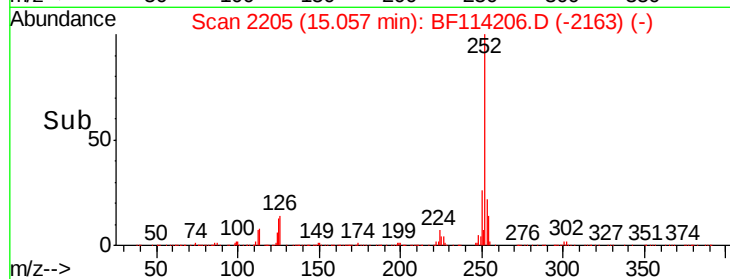
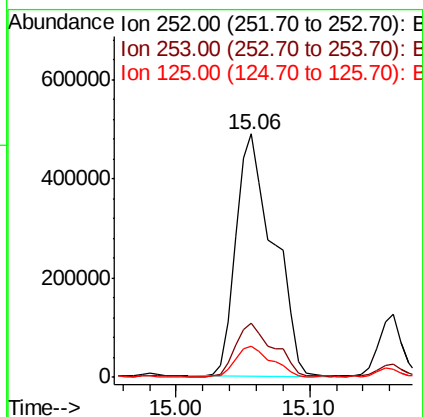
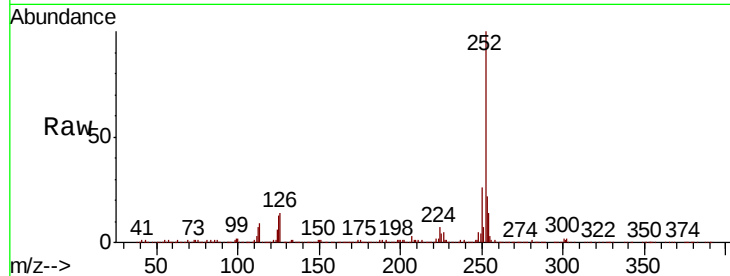




#89
Benzo(k)fluoranthene
Concen: 27.288 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.05 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

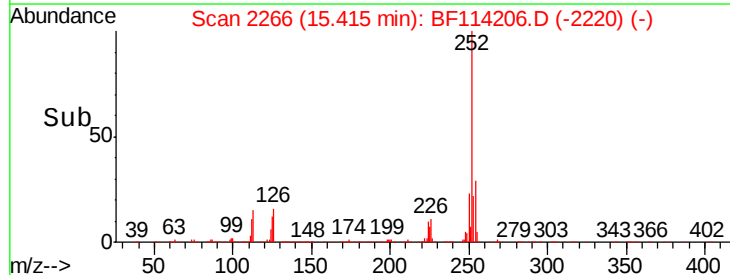
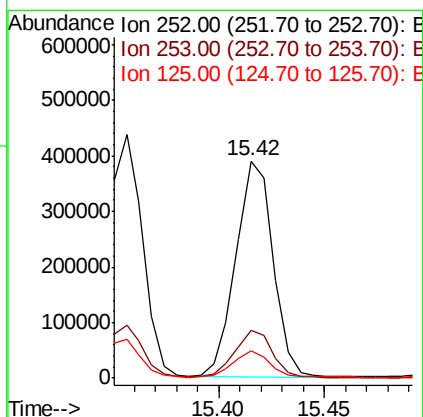
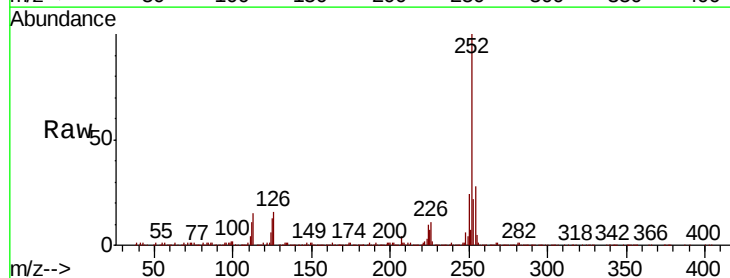
Instrument :
BNA_F
ClientSampleId :
P026-SS009-0206-01

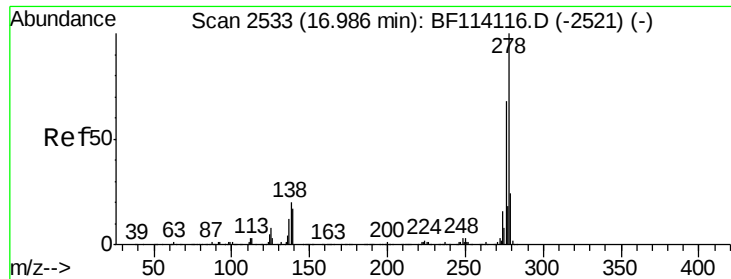
Tgt Ion:252 Resp: 953921
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 12.8 8.6 13.0



#90
Benzo(a)pyrene
Concen: 14.263 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114206.D
Acq: 12 May 2019 21:16

Tgt Ion:252 Resp: 477699
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 12.6 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 2.106 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.13 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

Instrument :

BNA_F

ClientSampleId :

P026-SS009-0206-01

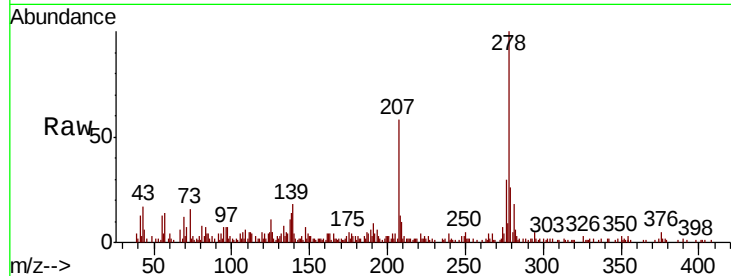
Tgt Ion: 278 Resp: 58618

Ion Ratio Lower Upper

278 100

139 17.6 13.5 20.3

279 25.9 19.0 28.6

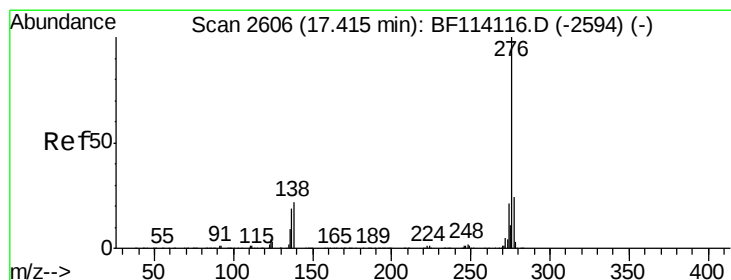
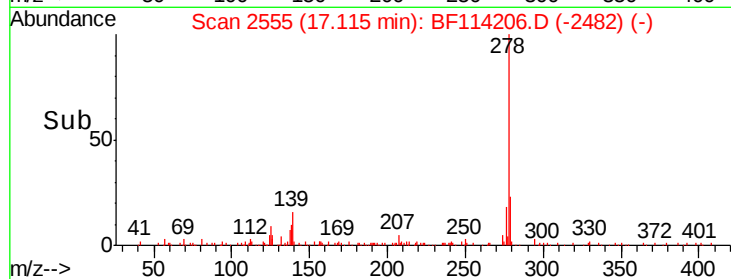
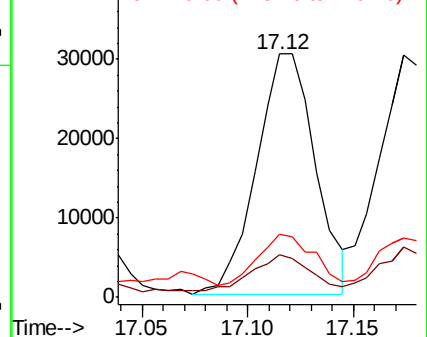


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 12.370 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF114206.D

Acq: 12 May 2019 21:16

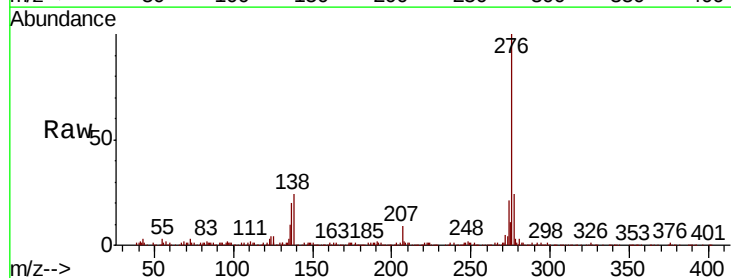
Tgt Ion: 276 Resp: 344988

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 23.7 17.8 26.6



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

