

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
 Data File : BF114205.D
 Acq On : 12 May 2019 20:50
 Operator : JU/SJ
 Sample : K2767-12 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01DL

Quant Time: May 13 07:48:51 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	259184	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1003543	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452688	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	806093	20.00	ng	0.00
76) Chrysene-d12	14.01	240	550748	20.00	ng	-0.01
87) Perylene-d12	15.48	264	590411	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	165122	10.25	ng	0.00
7) Phenol-d6	6.49	99	225186	11.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	129517	7.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	40411	8.63	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	199736	6.67	ng	0.00
79) Terphenyl-d14	12.95	244	145854	5.46	ng	0.00

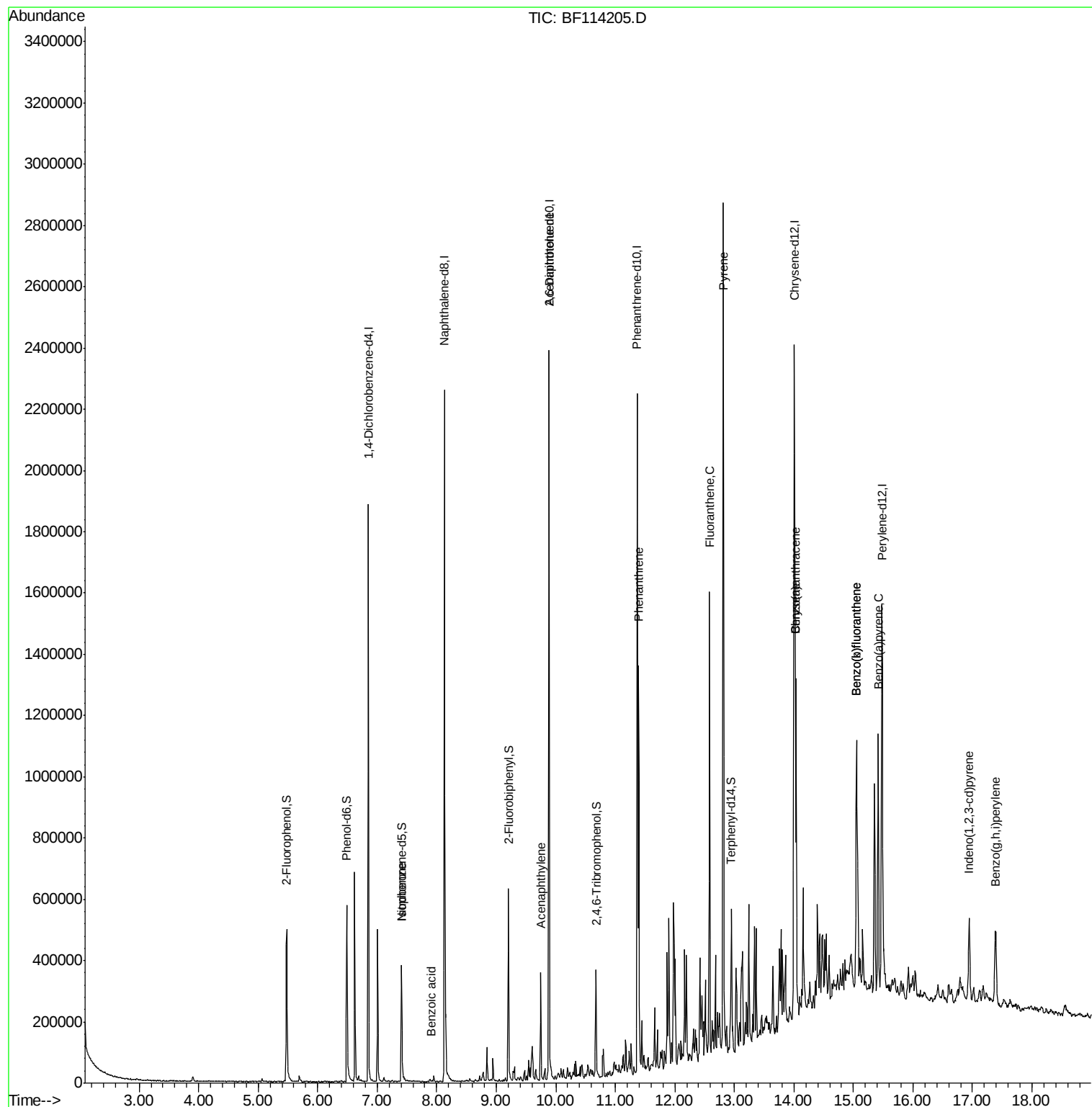
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.41	82	129514	3.905	ng	# 64
32) Benzoic acid	7.90	122	864	7.095	ng	# 87
49) Acenaphthylene	9.75	152	142114	3.175	ng	97
51) 2,6-Dinitrotoluene	9.89	165	58593	7.949	ng	# 22
71) Phenanthrene	11.39	178	454535	11.590	ng	98
75) Fluoranthene	12.58	202	592751	14.036	ng	97
78) Pyrene	12.82	202	1106922	24.984	ng	98
81) Benzo(a)anthracene	14.03	228	434084	12.186	ng	97
83) Chrysene	14.03	228	434084	12.431	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	175693	5.693	ng	97
88) Benzo(b)fluoranthene	15.05	252	564520	14.924	ng	98
89) Benzo(k)fluoranthene	15.05	252	564520	16.247	ng	98
90) Benzo(a)pyrene	15.42	252	340289	10.222	ng	98
92) Benzo(g,h,i)perylene	17.39	276	203423	7.338	ng	99

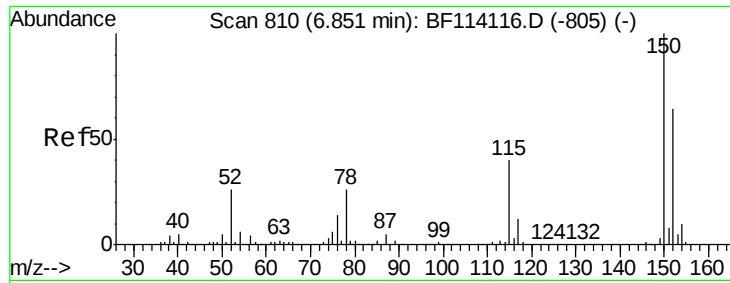
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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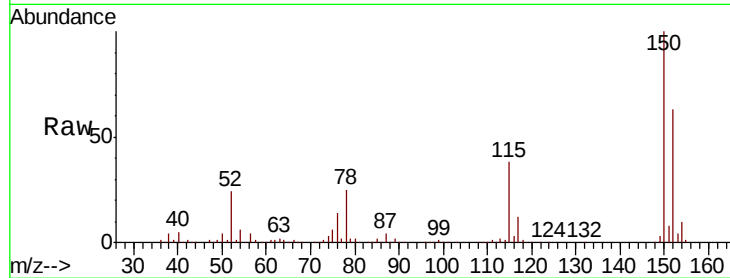


#1

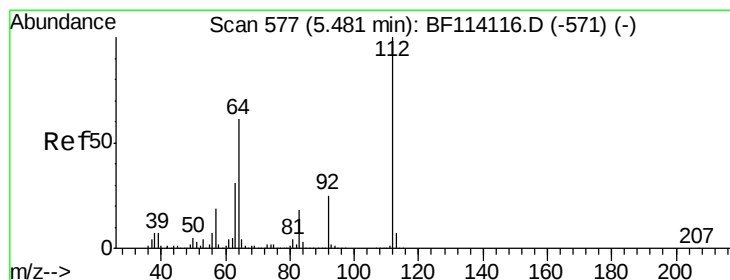
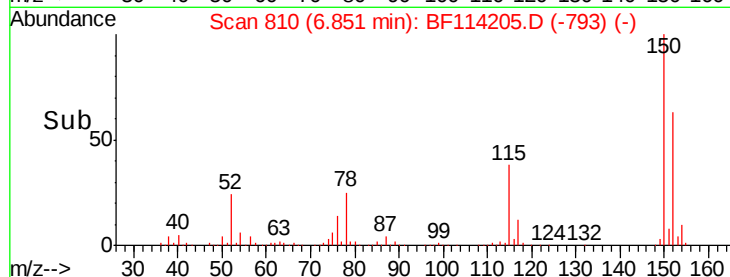
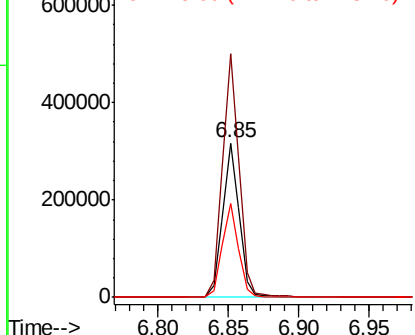
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Tgt Ion:152 Resp: 259184
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 60.3 49.1 73.7



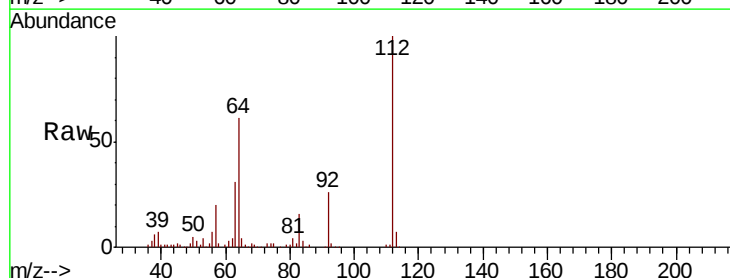
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



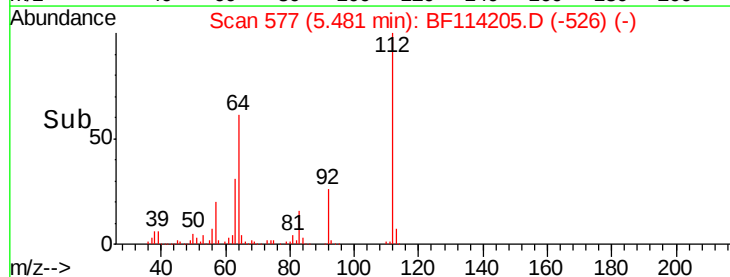
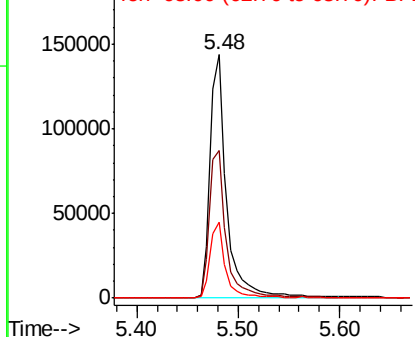
#5

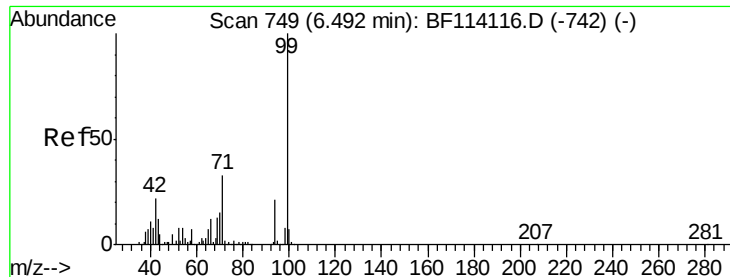
2-Fluorophenol
Concen: 10.252 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion:112 Resp: 165122
Ion Ratio Lower Upper
112 100
64 60.8 49.0 73.6
63 30.9 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: 11.822 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

ClientSampleId :

P026-SS012-0002-01DL

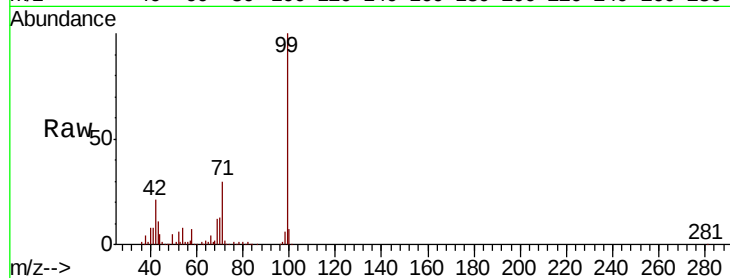
Tgt Ion: 99 Resp: 225186

Ion Ratio Lower Upper

99 100

42 20.7 17.9 26.9

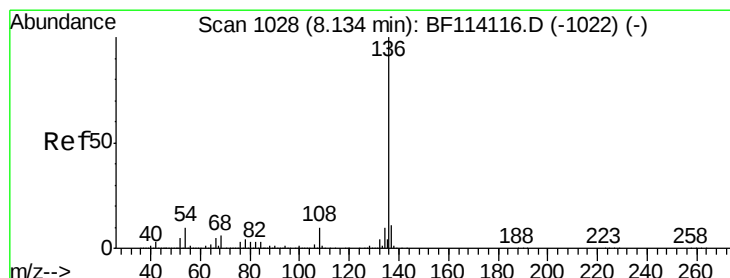
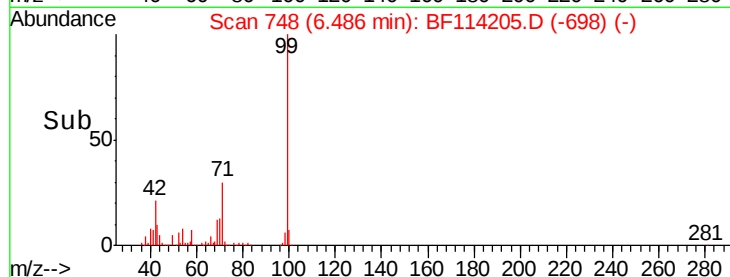
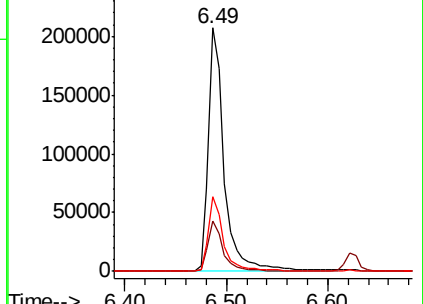
71 30.5 26.2 39.2



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: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion: 136 Resp: 1003543

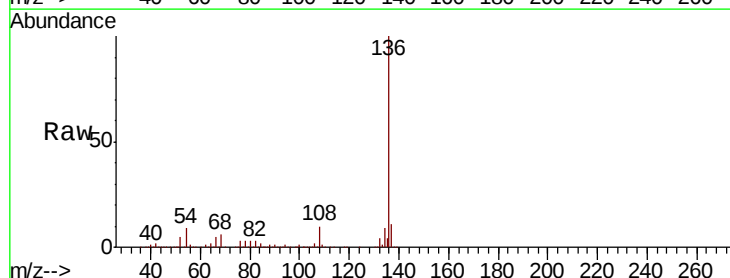
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.2 7.8 11.8

68 6.2 5.1 7.7

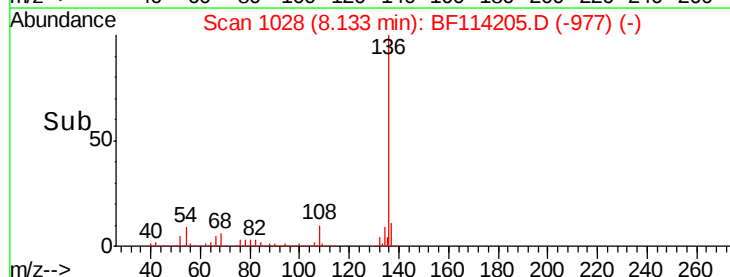
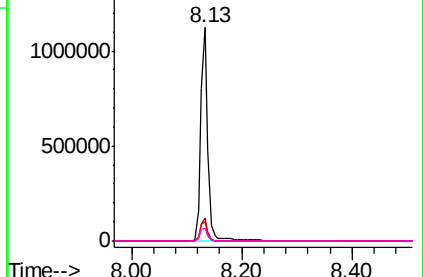


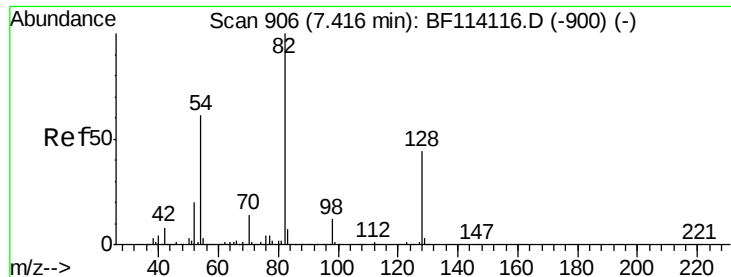
Abundance Ion 136.00 (135.70 to 136.70): E

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

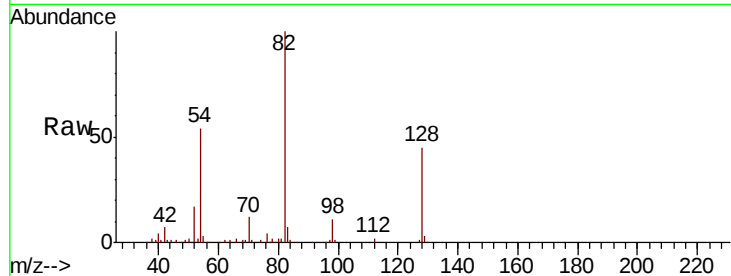




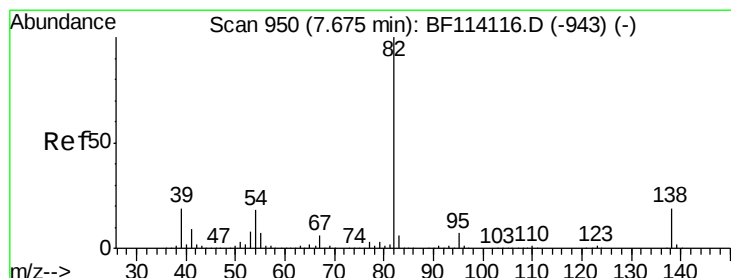
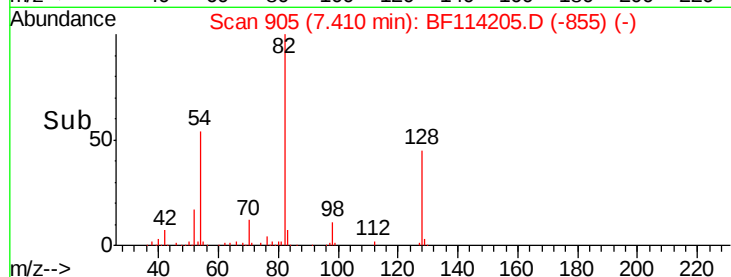
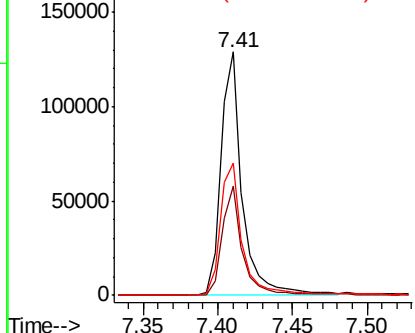
#23
Nitrobenzene-d5
Concen: 7.243 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.5	53.3
54	54.5	48.5	72.7

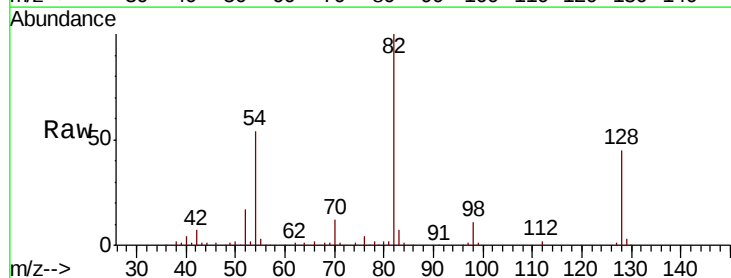


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

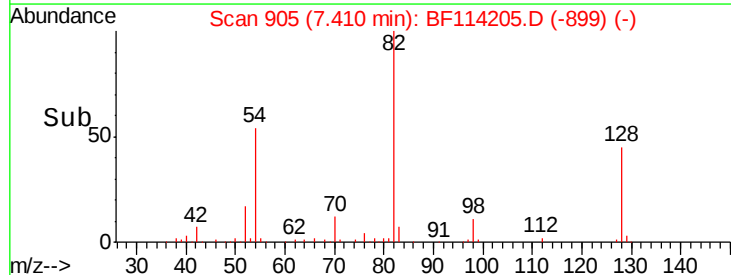
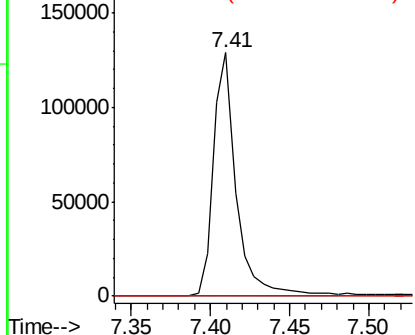


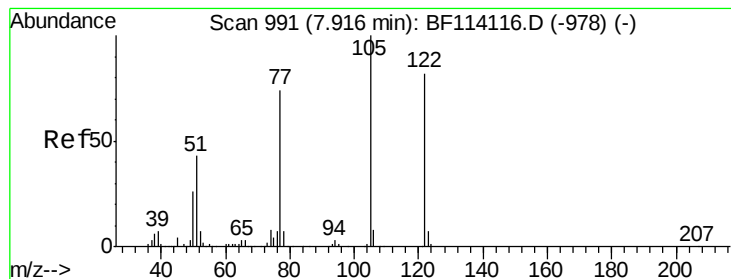
#25
Isophorone
Concen: 3.905 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

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: 7.095 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

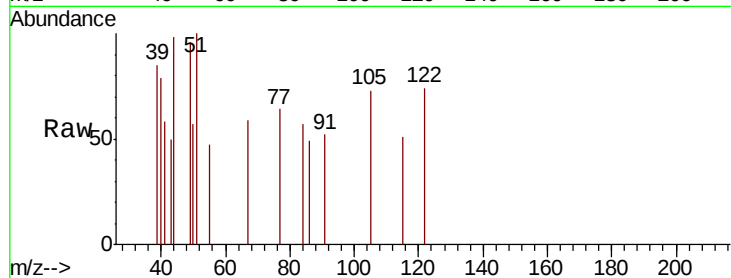
Instrument :

BNA_F

ClientSampleId :

P026-SS012-0002-01DL

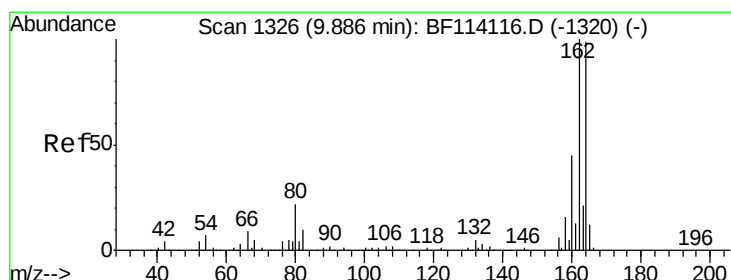
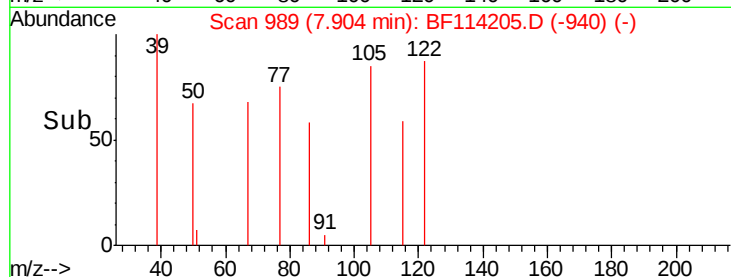
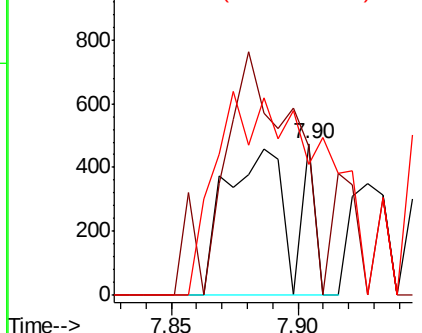
Tgt Ion:	122	Resp:	864
Ion	Ratio	Lower	Upper
122	100		
105	98.1	99.9	139.9#
77	86.1	69.4	109.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

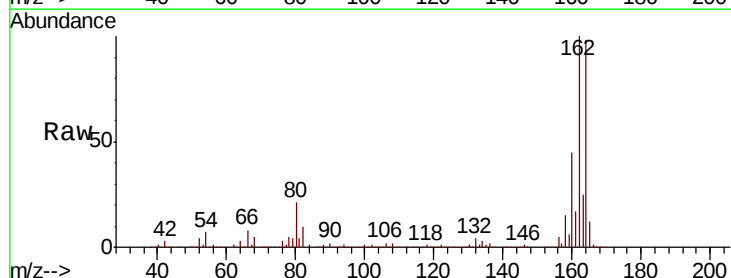
RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

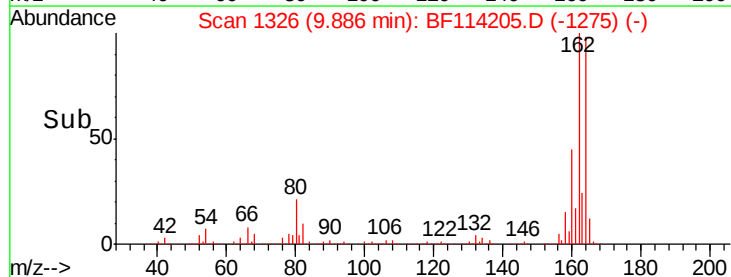
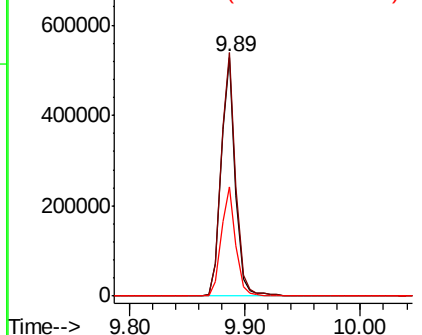
Tgt Ion:	164	Resp:	452688
Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.6	36.5	54.7

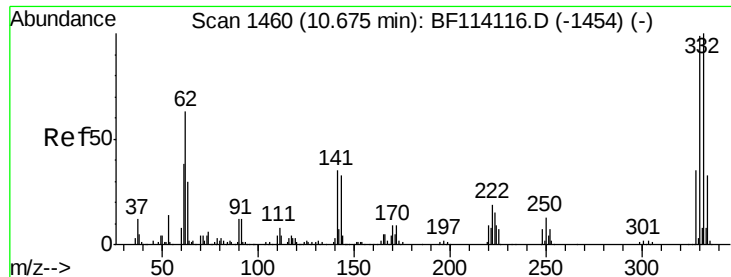


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 8.635 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

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ClientSampleId :

P026-SS012-0002-01DL

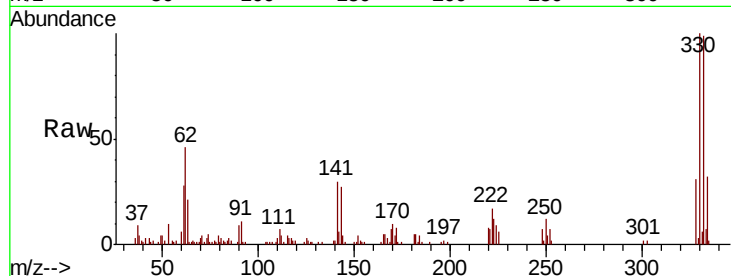
Tgt Ion:330 Resp: 40411

Ion Ratio Lower Upper

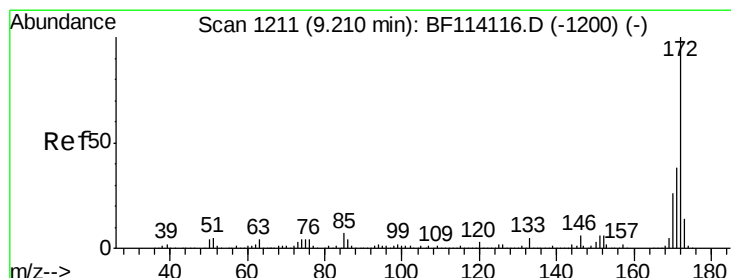
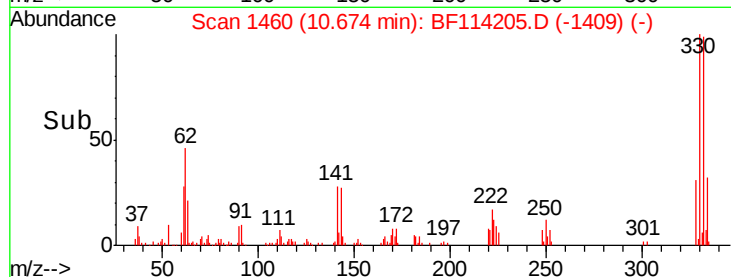
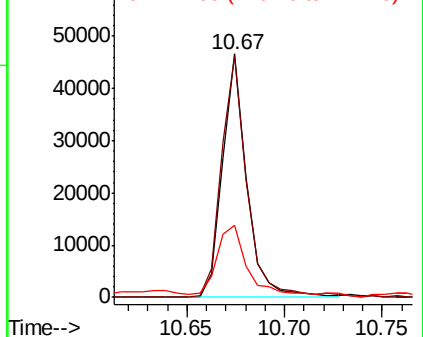
330 100

332 104.0 81.4 122.2

141 36.8 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: 6.674 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

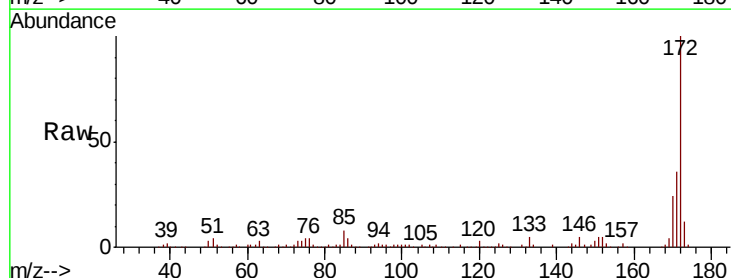
Tgt Ion:172 Resp: 199736

Ion Ratio Lower Upper

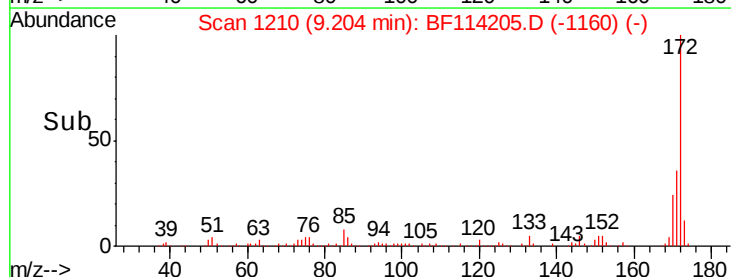
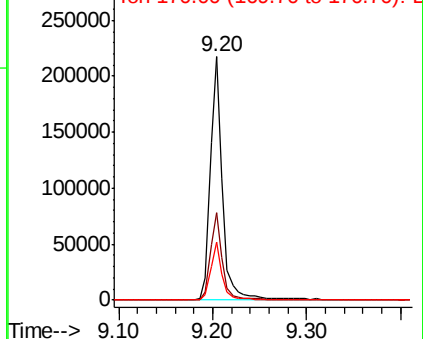
172 100

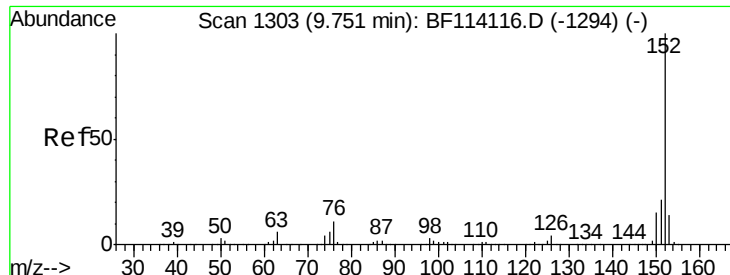
171 36.0 30.7 46.1

170 24.0 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: 3.175 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

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P026-SS012-0002-01DL

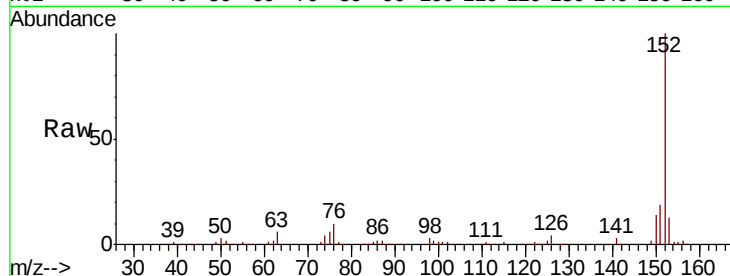
Tgt Ion:152 Resp: 142114

Ion Ratio Lower Upper

152 100

151 19.2 16.8 25.2

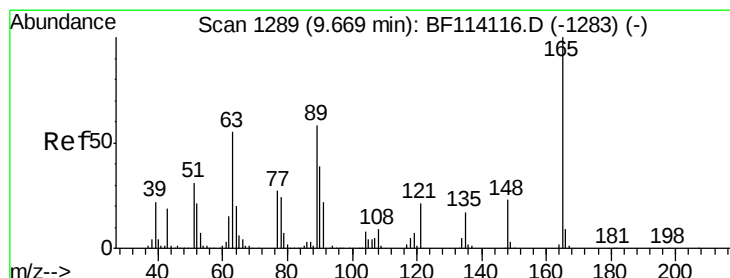
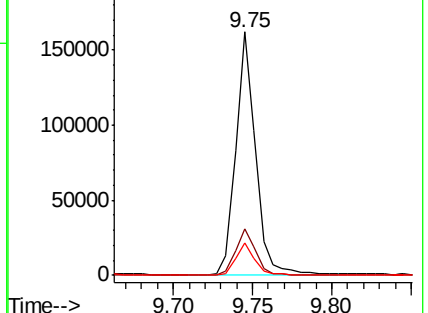
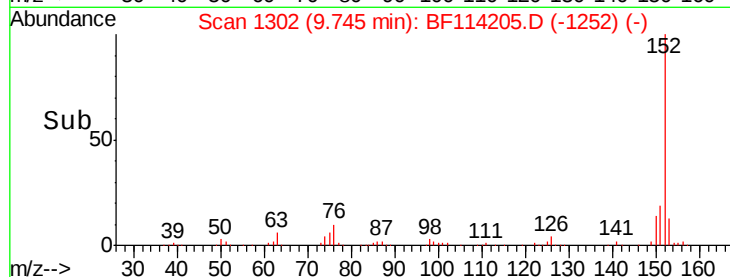
153 13.2 11.4 17.2



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: 7.949 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.22 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

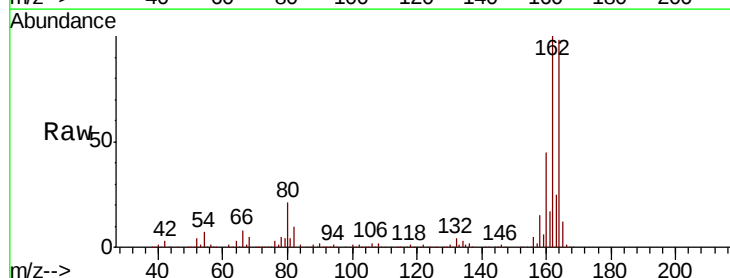
Tgt Ion:165 Resp: 58593

Ion Ratio Lower Upper

165 100

63 1.5 50.2 75.4#

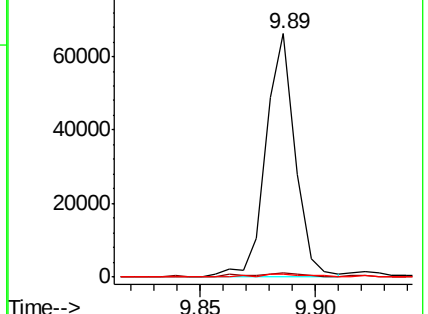
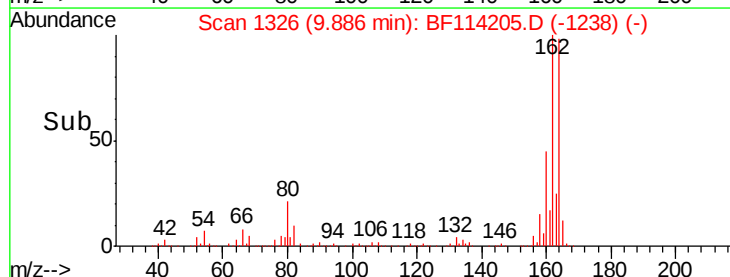
89 1.2 46.6 69.8#

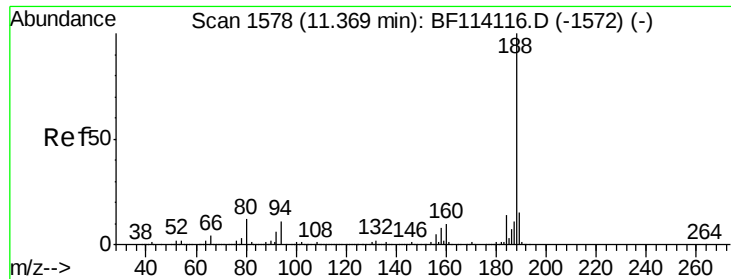


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

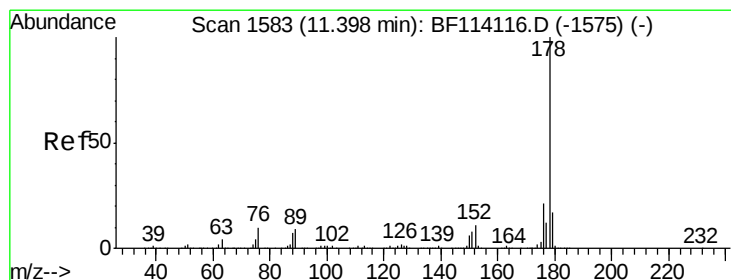
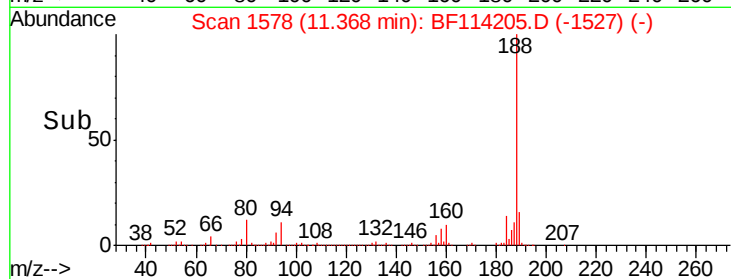
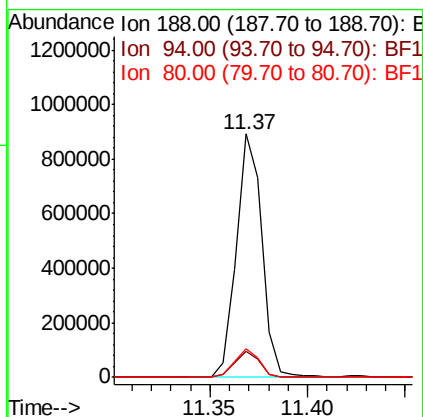
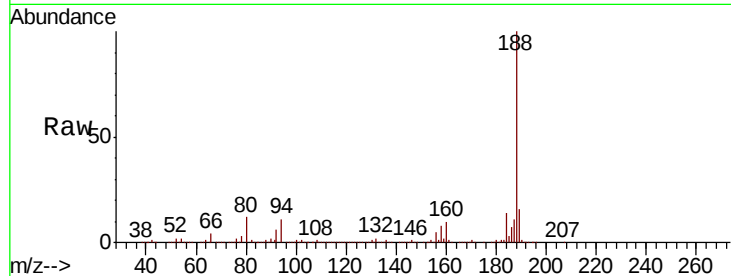




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

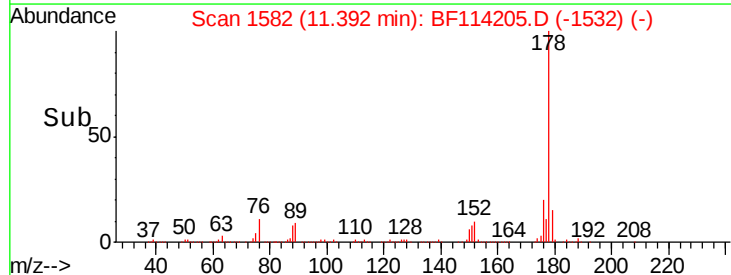
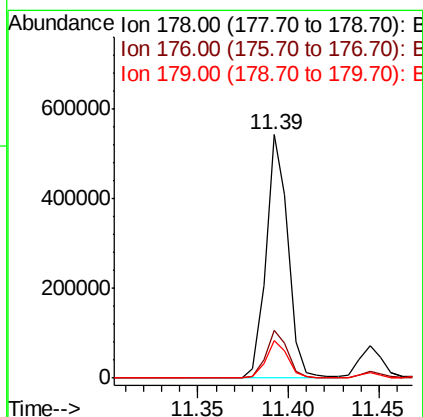
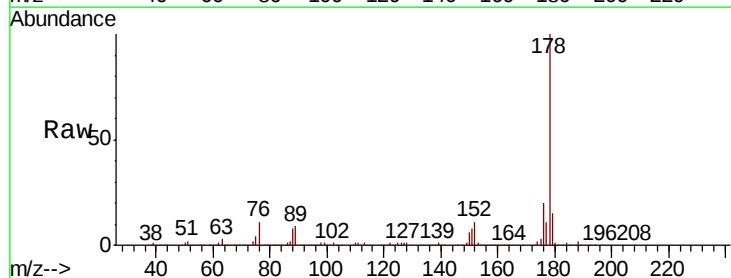
Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

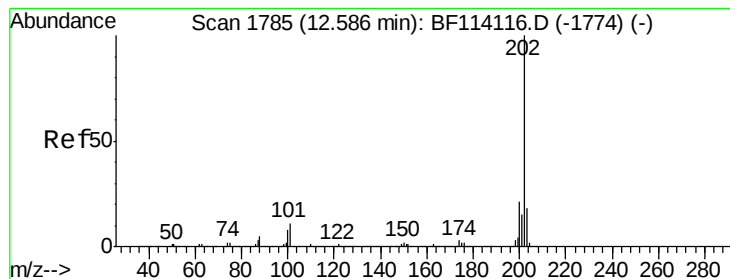
Tgt Ion:188 Resp: 806093
Ion Ratio Lower Upper
188 100
94 10.9 8.4 12.6
80 11.7 9.2 13.8



#71
Phenanthrene
Concen: 11.590 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion:178 Resp: 454535
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.4 13.2 19.8





#75

Fluoranthene

Concen: 14.036 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

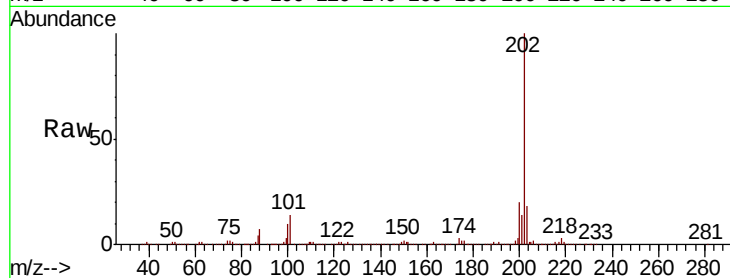
Instrument :

BNA_F

ClientSampleId :

P026-SS012-0002-01DL

Tgt Ion:	202	Resp:	592751
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	31.0
203	18.2	0.0	38.4

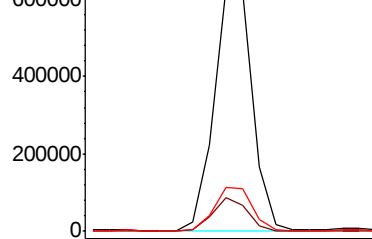


Abundance Ion 202.00 (201.70 to 202.70): E

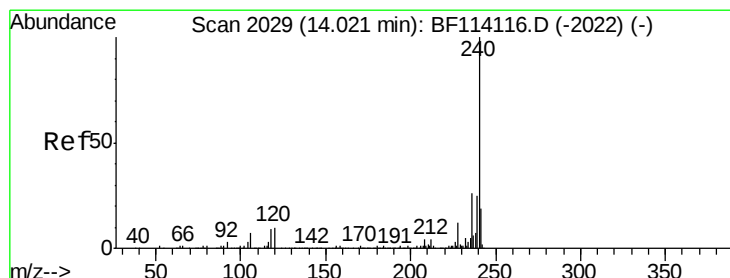
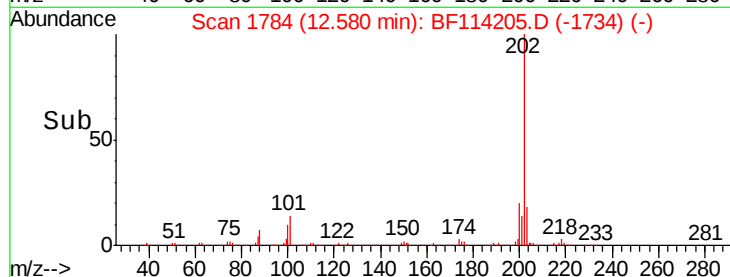
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.58



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

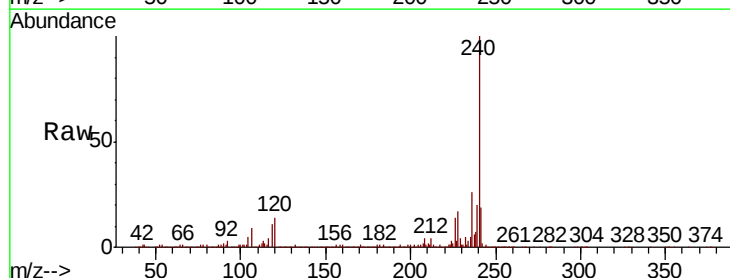
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion:	240	Resp:	550748
Ion	Ratio	Lower	Upper
240	100		
120	13.6	8.3	12.5#
236	26.4	20.8	31.2

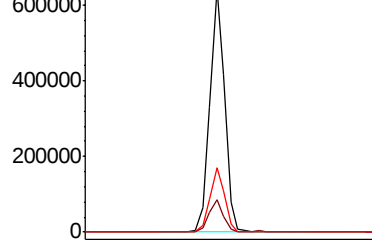


Abundance Ion 240.00 (239.70 to 240.70): E

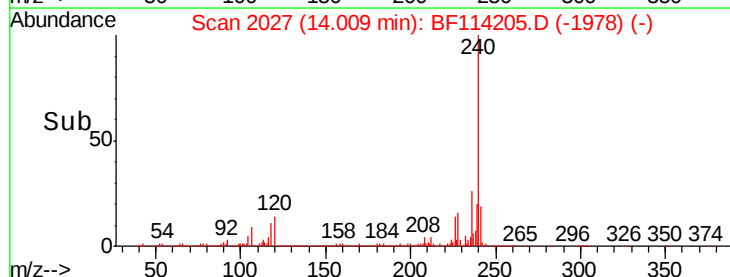
Ion 120.00 (119.70 to 120.70): E

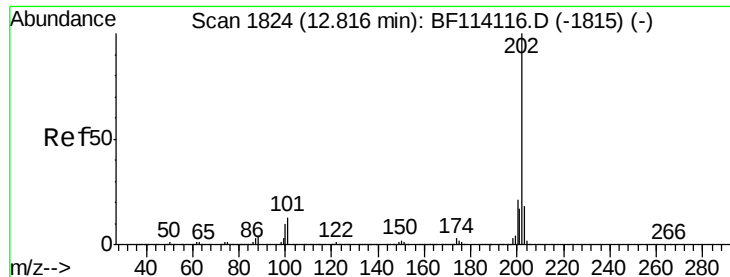
Ion 236.00 (235.70 to 236.70): E

14.01



Time-->





#78

Pyrene

Concen: 24.984 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

ClientSampleId :

P026-SS012-0002-01DL

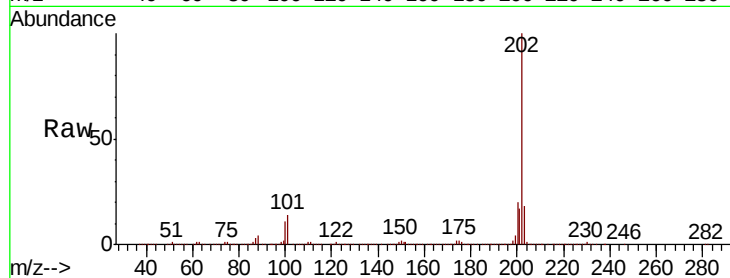
Tgt Ion:202 Resp: 1106922

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

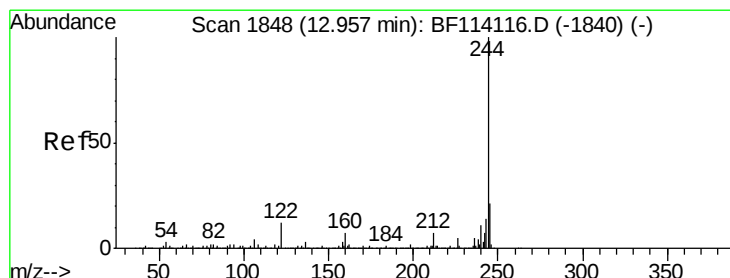
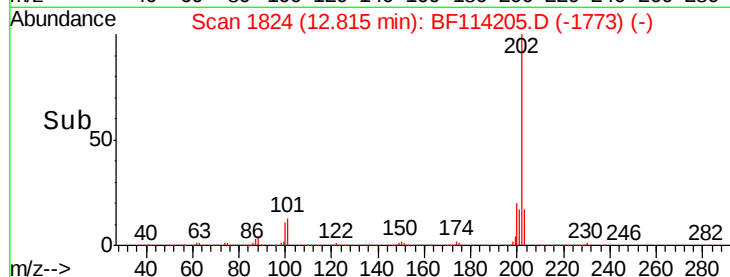
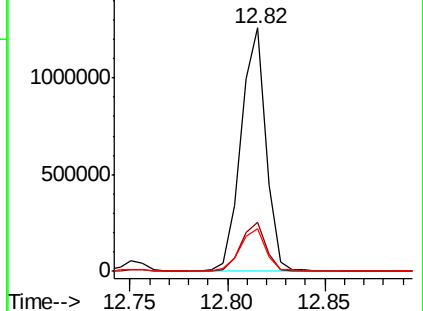
203 17.5 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 5.459 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

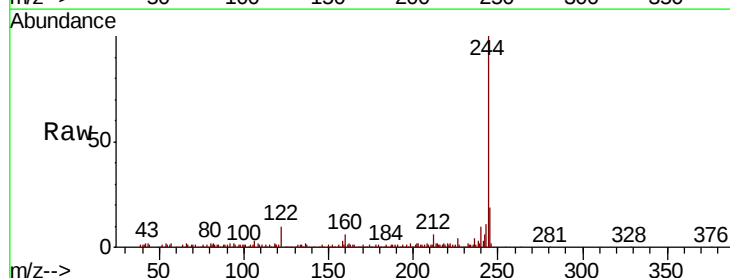
Tgt Ion:244 Resp: 145854

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

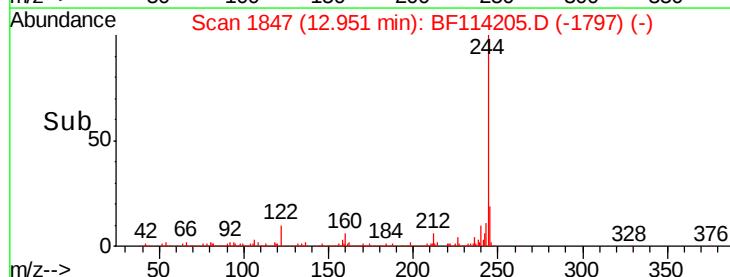
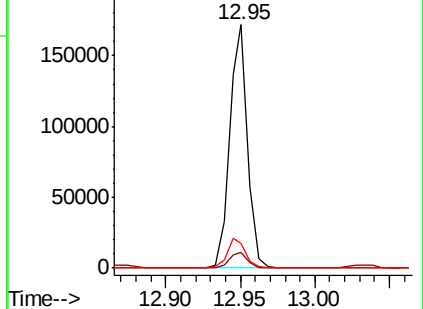
122 10.2 9.4 14.2

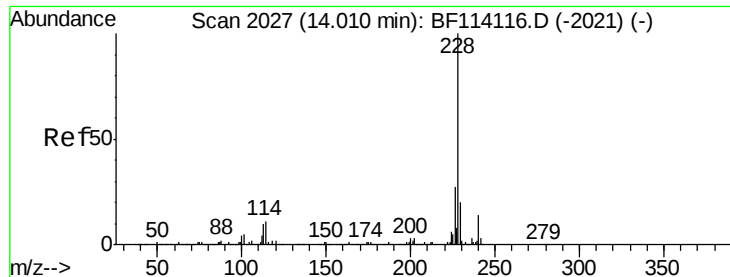


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

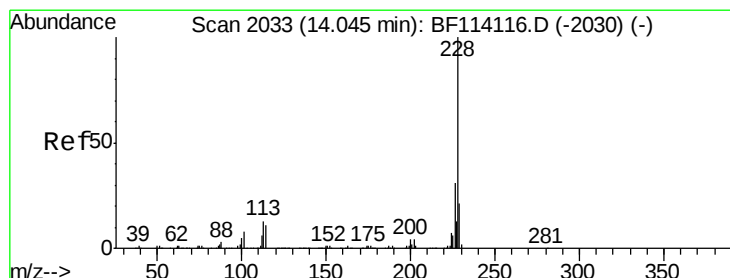
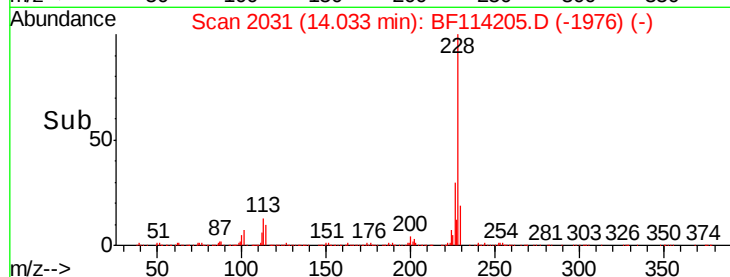
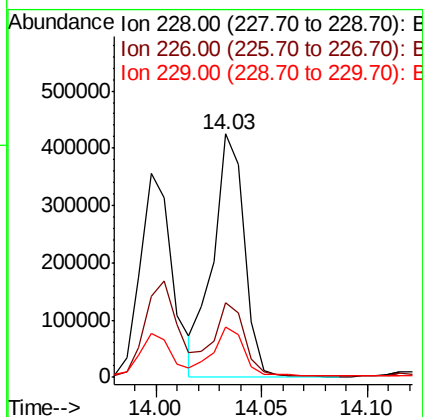
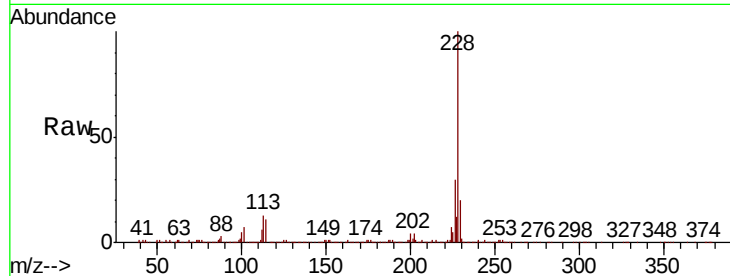




#81
Benzo(a)anthracene
Concen: 12.186 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

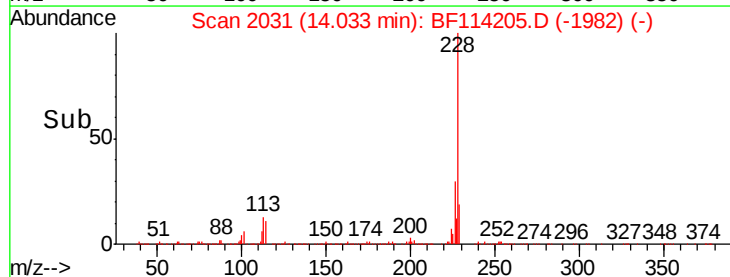
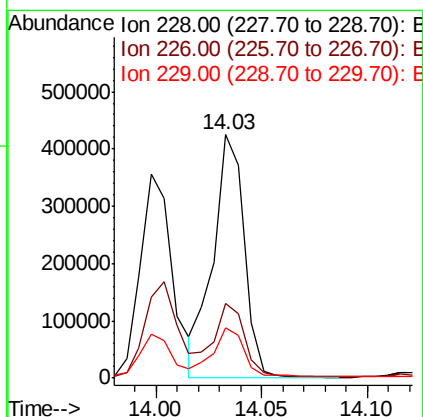
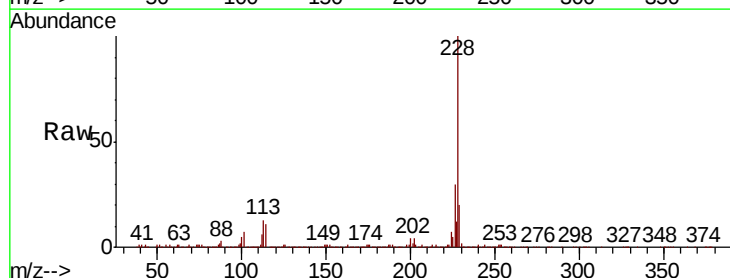
Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

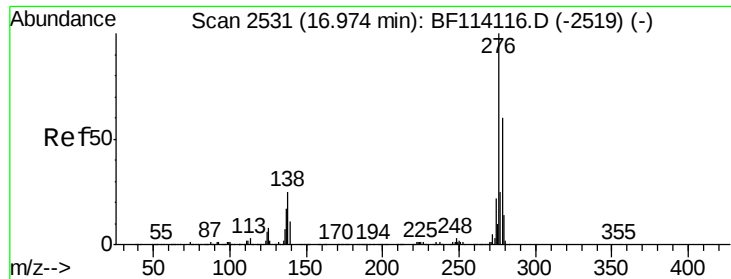
Tgt Ion:228 Resp: 434084
Ion Ratio Lower Upper
228 100
226 30.4 22.2 33.2
229 20.4 16.4 24.6



#83
Chrysene
Concen: 12.431 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion:228 Resp: 434084
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 20.4 17.0 25.6

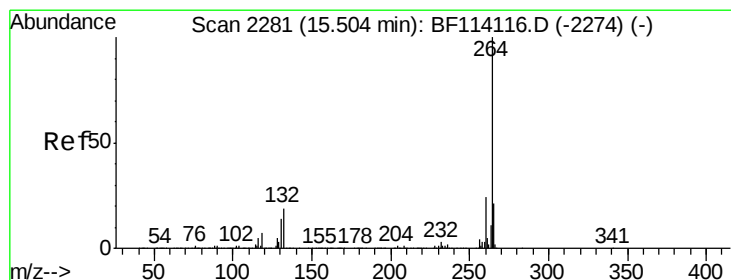
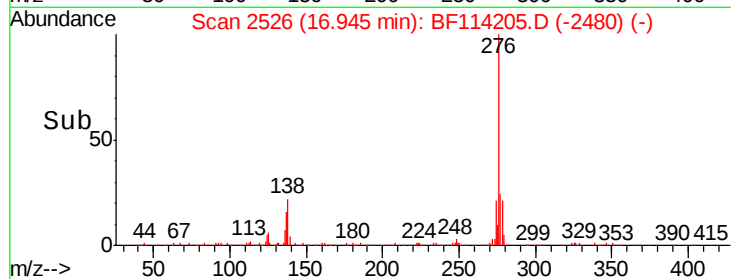
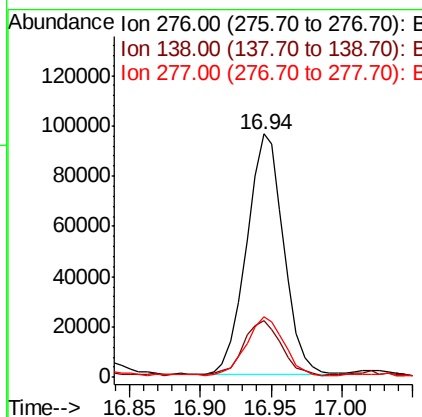
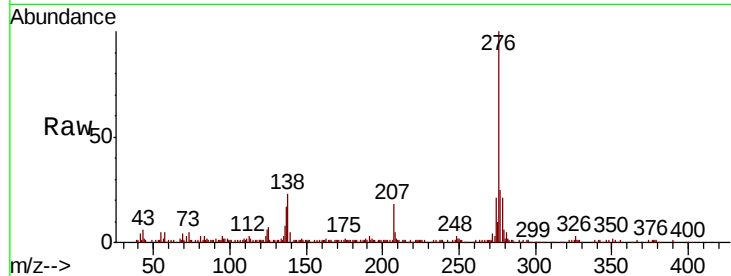




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.693 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.03 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

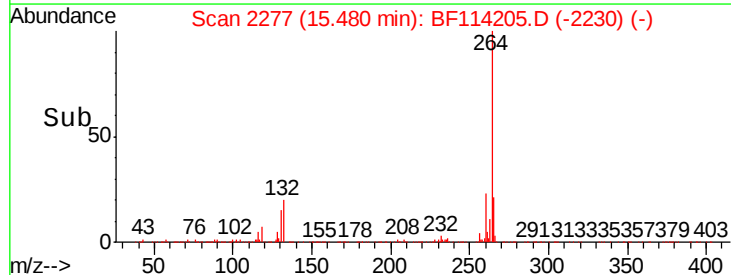
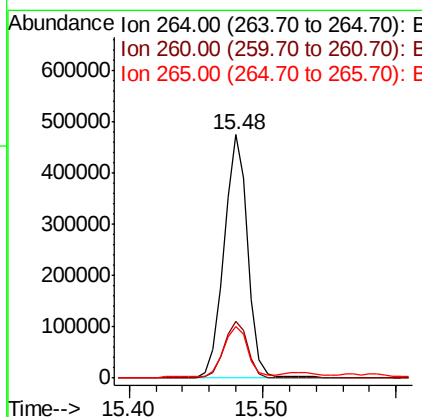
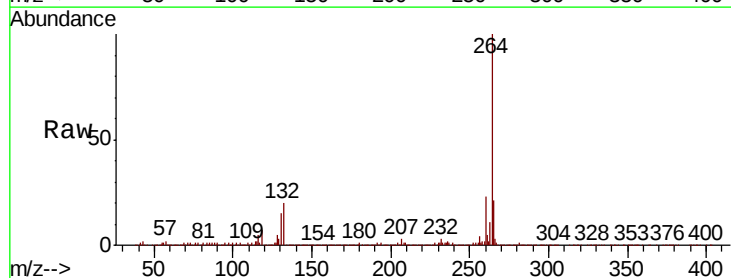
Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01DL

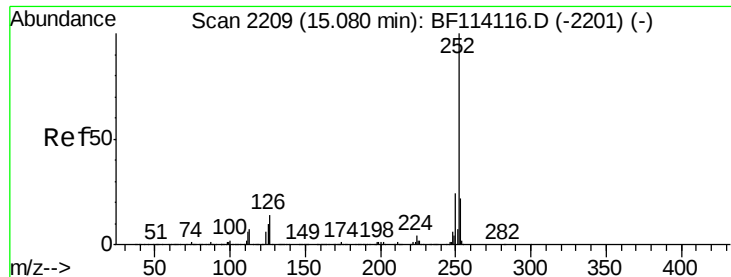
Tgt Ion: 276 Resp: 175693
 Ion Ratio Lower Upper
 276 100
 138 23.0 20.2 30.2
 277 24.4 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

Tgt Ion: 264 Resp: 590411
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.0
 265 21.4 16.9 25.3

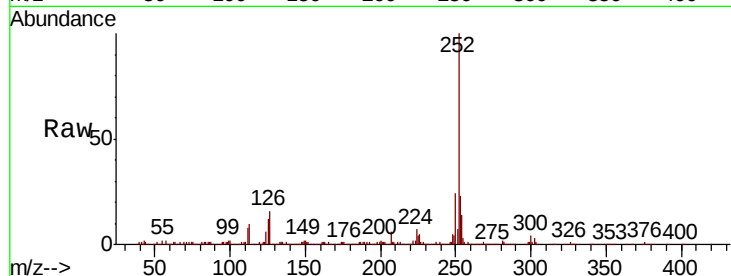




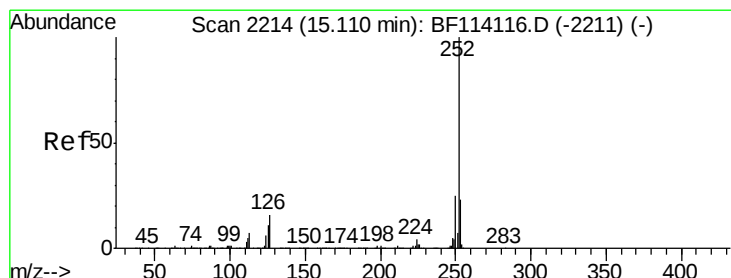
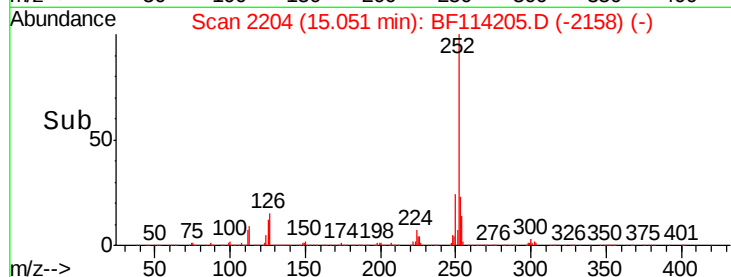
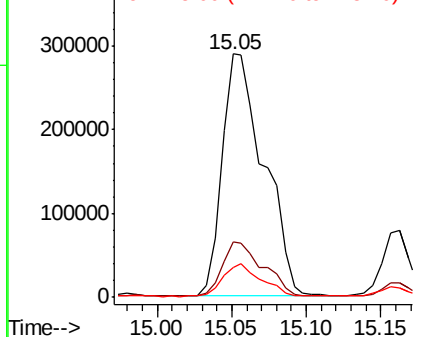
#88
Benzo(b)fluoranthene
Concen: 14.924 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Tgt Ion:	252	Resp:	564520
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.2	8.3	12.5

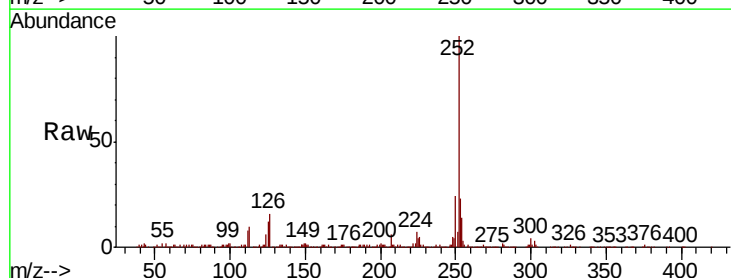


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

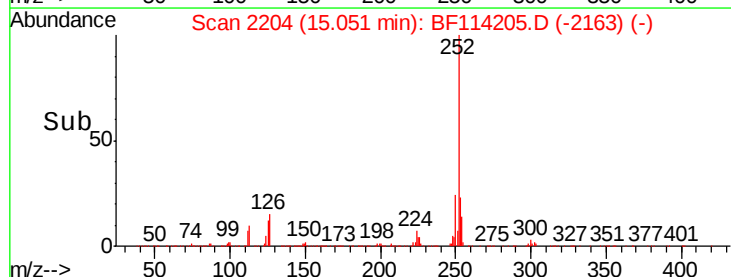
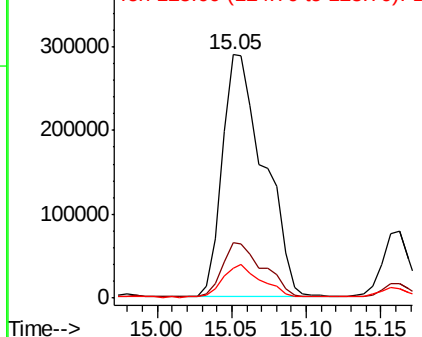


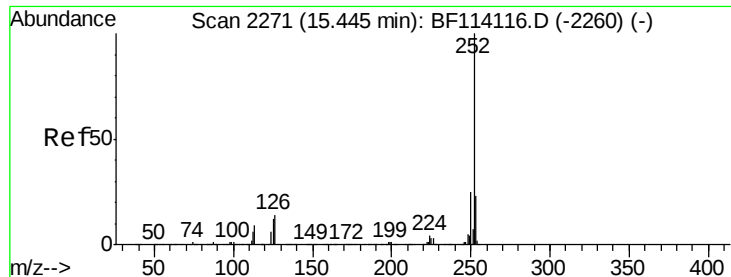
#89
Benzo(k)fluoranthene
Concen: 16.247 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion:	252	Resp:	564520
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	12.2	8.6	13.0



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





#90

Benzo(a)pyrene

Concen: 10.222 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.03 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

ClientSampleId :

P026-SS012-0002-01DL

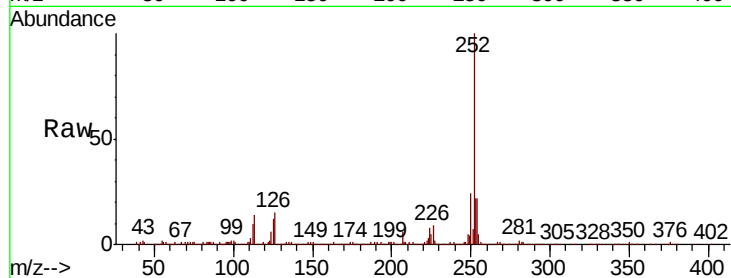
Tgt Ion:252 Resp: 340289

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

125 12.1 9.5 14.3

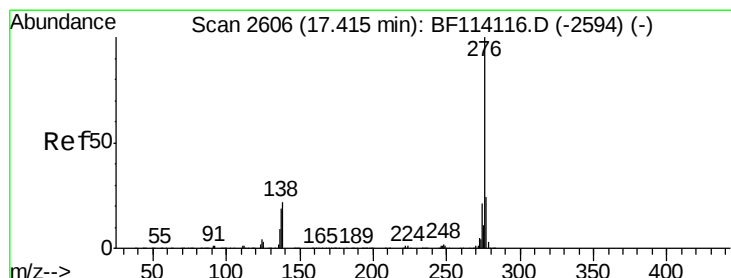
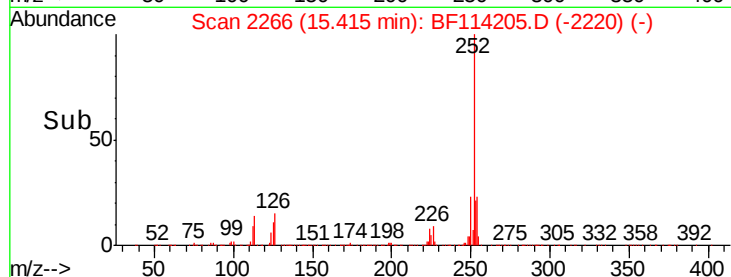
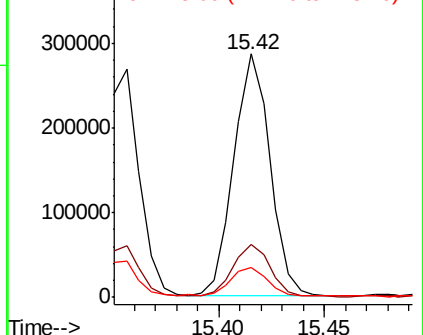


Abundance

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: 7.338 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

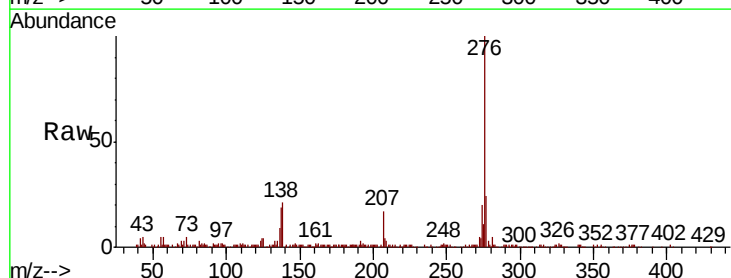
Tgt Ion:276 Resp: 203423

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 21.2 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

