

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114685.D
 Acq On : 31 May 2019 2:32
 Operator : HP/JU
 Sample : K2642-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:48:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	394604	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1410667	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	617652	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1110350	20.00	ng	0.00
76) Chrysene-d12	13.82	240	680778	20.00	ng	0.00
87) Perylene-d12	15.22	264	582601	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1152324	51.27	ng	0.00
7) Phenol-d6	6.33	99	1393766	51.46	ng	0.00
23) Nitrobenzene-d5	7.25	82	773700	34.22	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	282031	47.92	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1427666	33.78	ng	0.00
79) Terphenyl-d14	12.78	244	1317997	36.40	ng	0.00

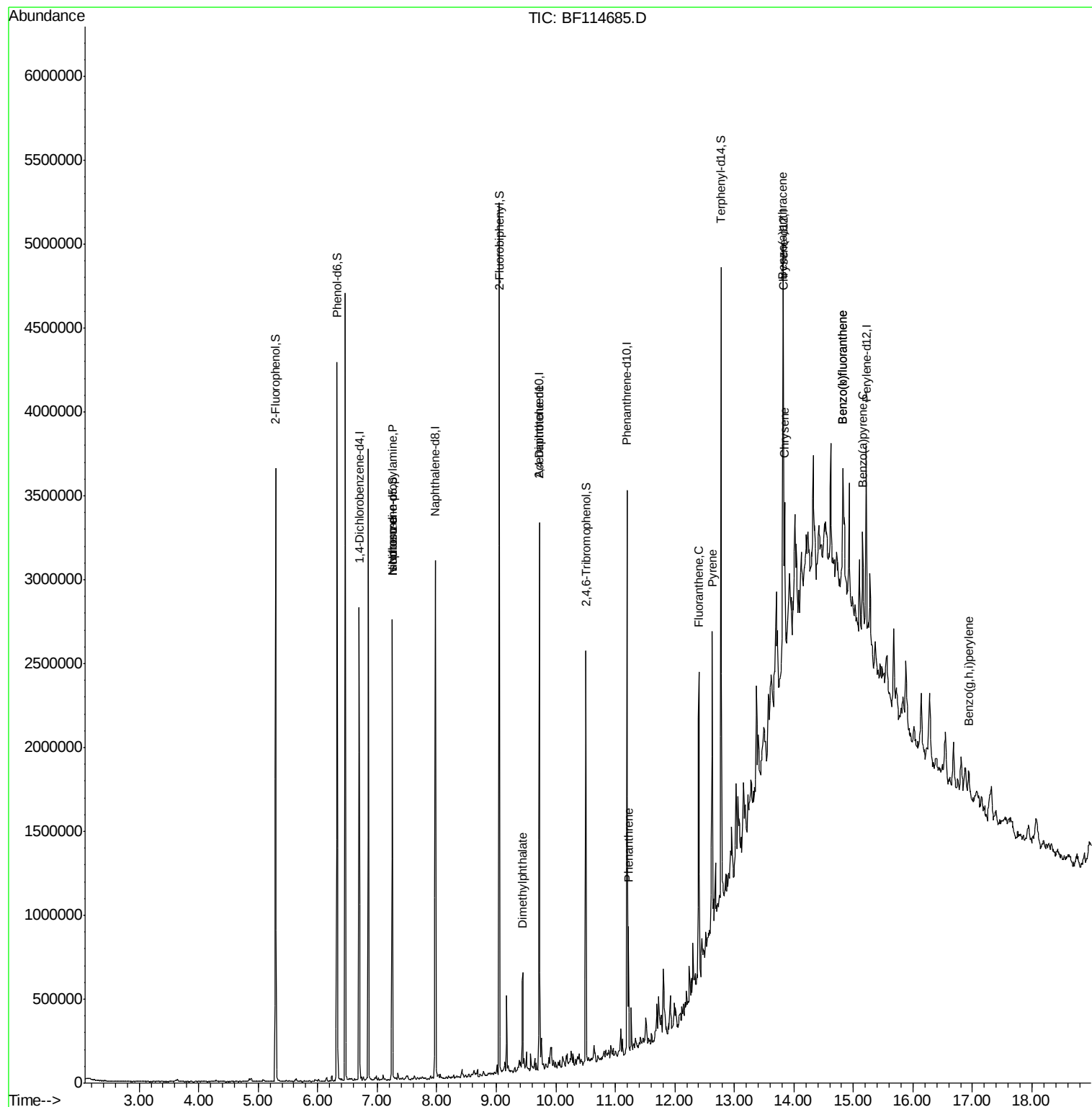
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	967	Below Cal	#	69
19) n-Nitroso-di-n-propylamine	7.25	70	101315	5.419 ng	#	78
25) Isophorone	7.25	82	767118	16.905 ng	#	63
50) Dimethylphthalate	9.45	163	219264	5.095 ng		98
57) 2,4-Dinitrotoluene	9.72	165	82129	6.399 ng	#	23
58) Fluorene	10.27	166	23736	Below Cal		98
61) 4-Chlorophenyl-phenylether	10.29	204	316	Below Cal	#	1
69) Atrazine	10.93	200	283	Below Cal	#	1
71) Phenanthrene	11.22	178	266805	4.710 ng		96
74) Di-n-butylphthalate	11.77	149	6412	Below Cal	#	33
75) Fluoranthene	12.40	202	716092	12.210 ng		96
78) Pvrene	12.63	202	720911	12.518 ng		98
81) Benzo(a)anthracene	13.81	228	344987	6.594 ng		95
83) Chrysene	13.84	228	325356	6.509 ng		95
88) Benzo(b)fluoranthene	14.82	252	479008	13.054 ng	#	87
89) Benzo(k)fluoranthene	14.82	252	479008	15.019 ng	#	87
90) Benzo(a)pvrene	15.16	252	264399	8.202 ng	#	87
92) Benzo(g,h,i)perylene	16.94	276	161102	5.827 ng		97

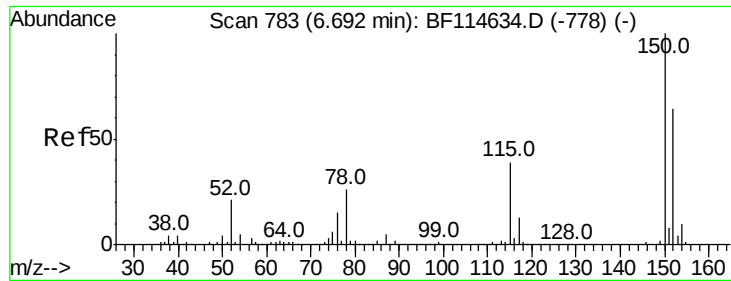
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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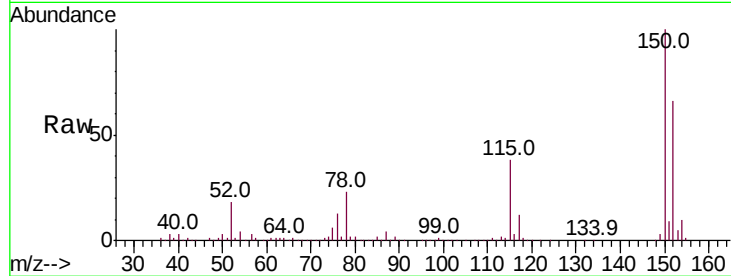


#1

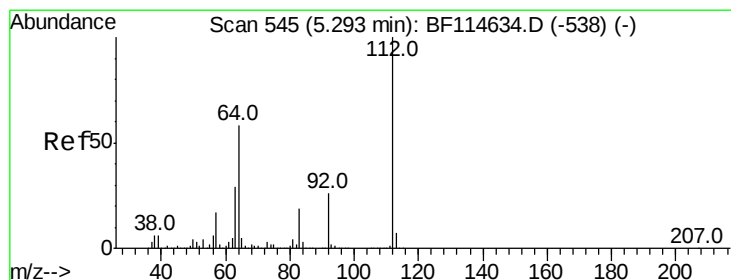
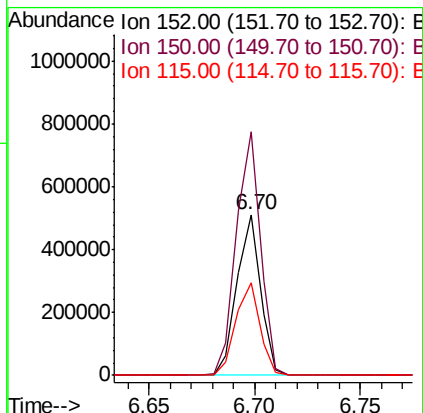
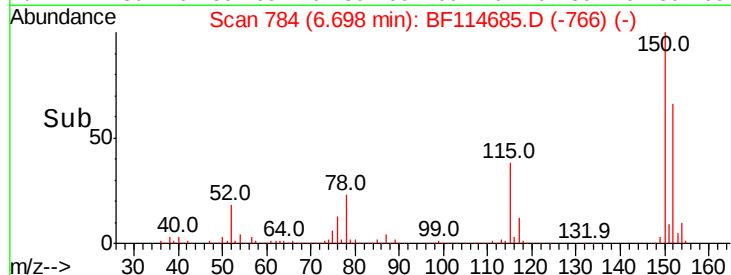
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 394604
Ion Ratio Lower Upper
152 100
150 151.5 124.4 186.6
115 57.6 48.7 73.1



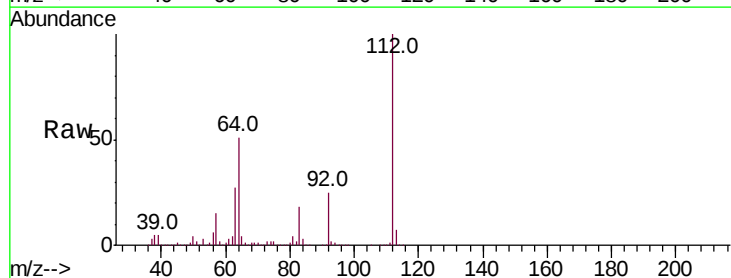
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



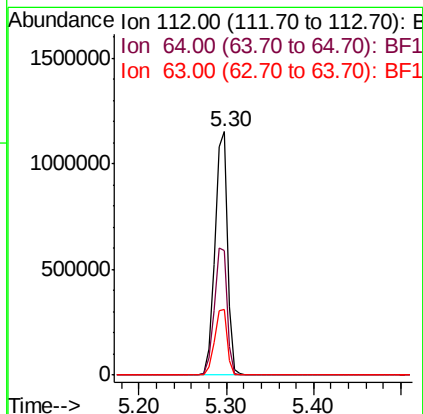
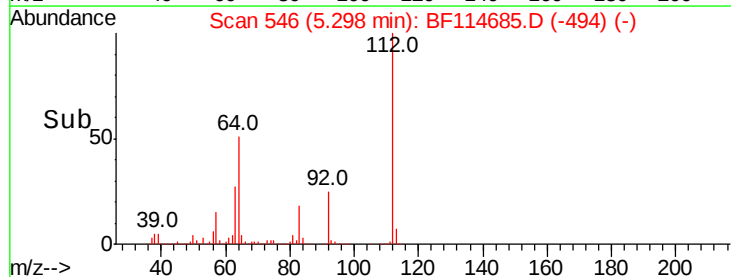
#5

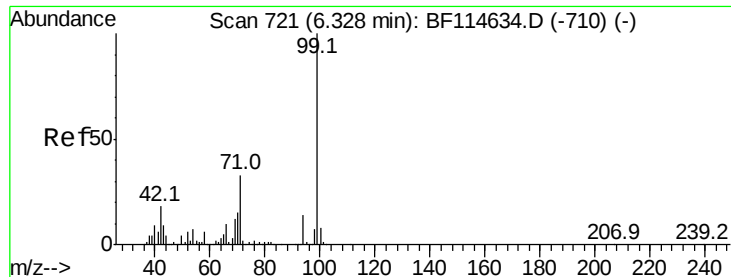
2-Fluorophenol
Concen: 51.270 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

Tgt Ion:112 Resp: 1152324
Ion Ratio Lower Upper
112 100
64 51.2 46.1 69.1
63 26.8 23.4 35.2



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: 51.461 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

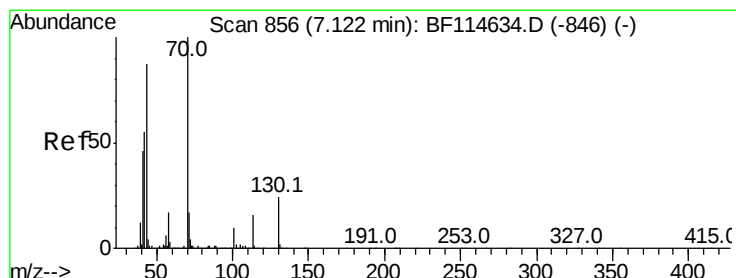
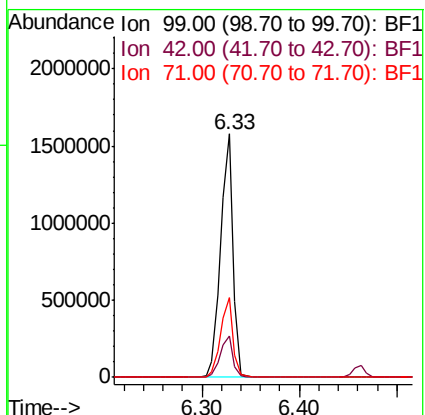
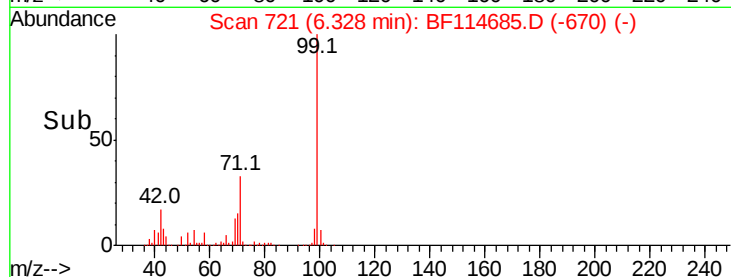
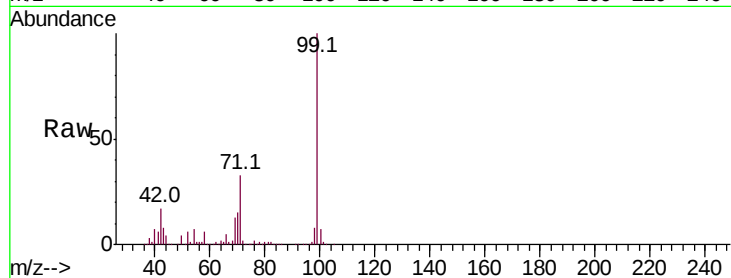
Tot Ion: 99 Resp: 1393766

Ion Ratio Lower Upper

99 100

42 16.9 14.7 22.1

71 33.0 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.419 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Tgt Ion: 70 Resp: 101315

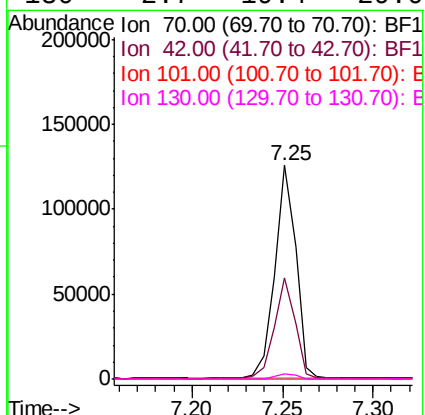
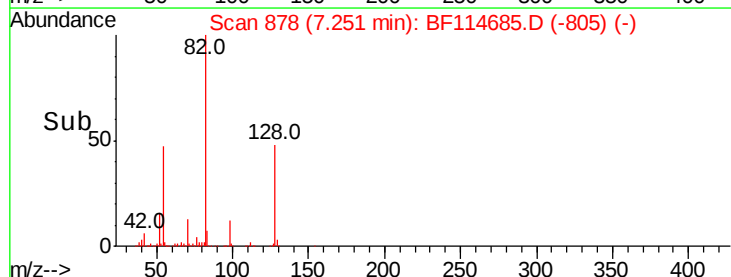
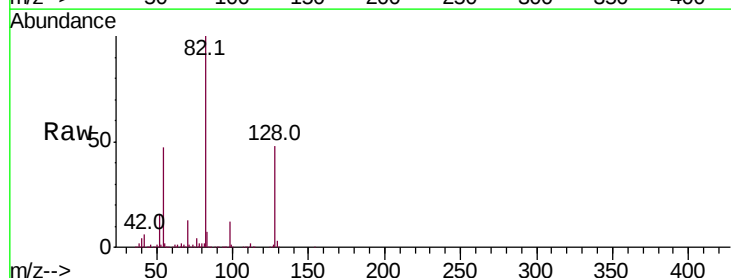
Ion Ratio Lower Upper

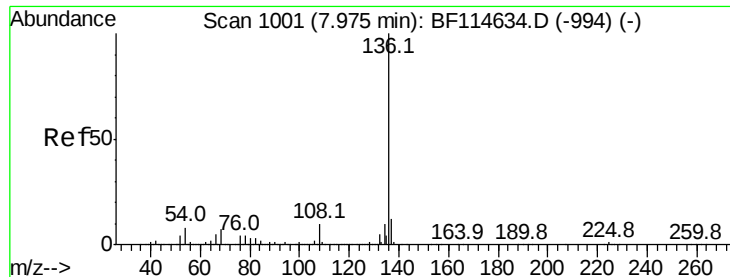
70 100

42 47.4 44.4 66.6

101 0.0 8.2 12.4#

130 2.7 19.4 29.0#



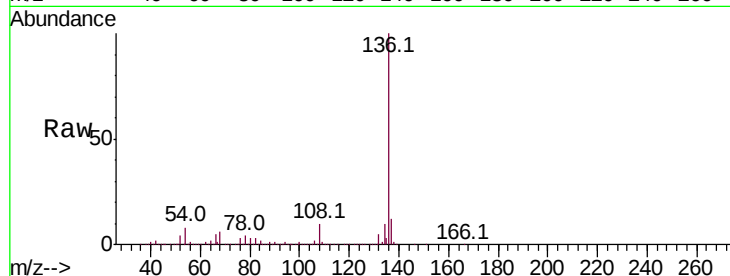


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

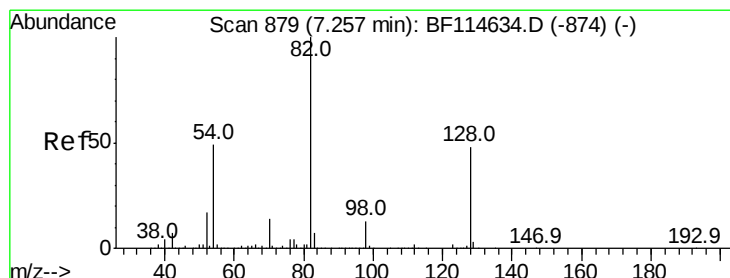
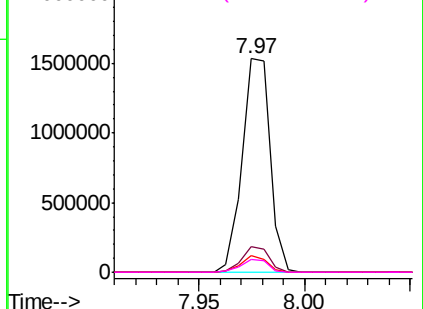
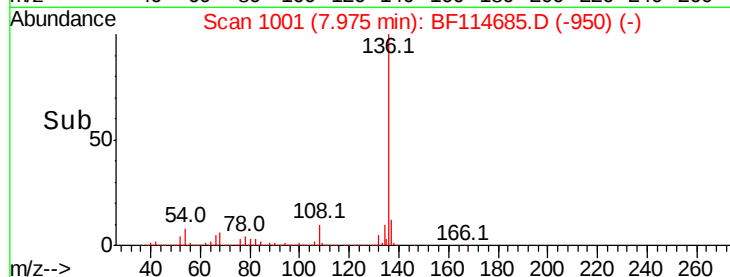
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1410667

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	7.6	6.3	9.5
68	6.3	5.4	8.0



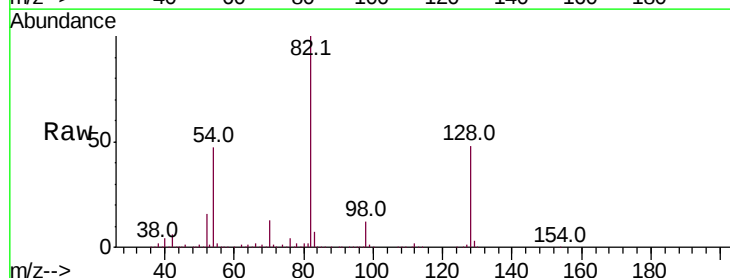
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



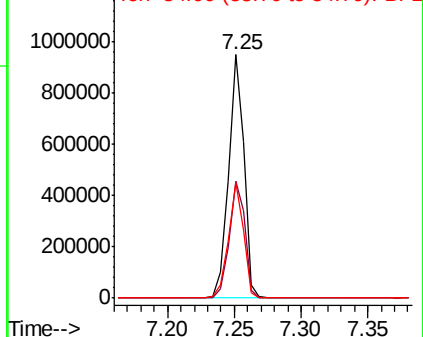
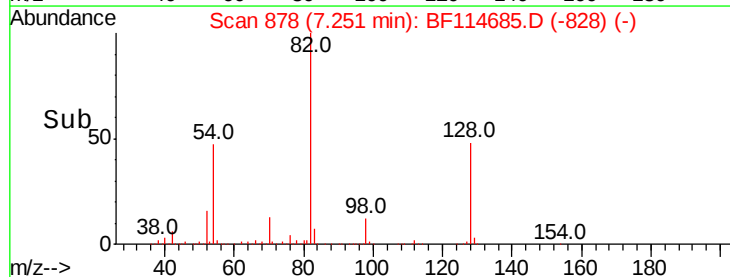
#23
Nitrobenzene-d5
Concen: 34.218 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

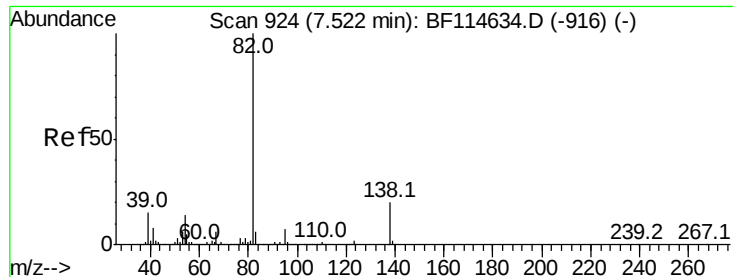
Tgt Ion: 82 Resp: 773700

Ion	Ratio	Lower	Upper
82	100		
128	47.8	38.5	57.7
54	47.4	39.1	58.7



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

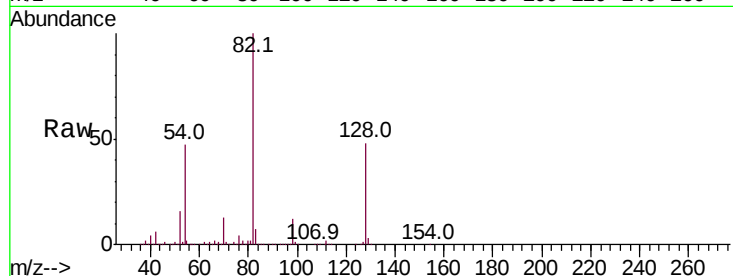




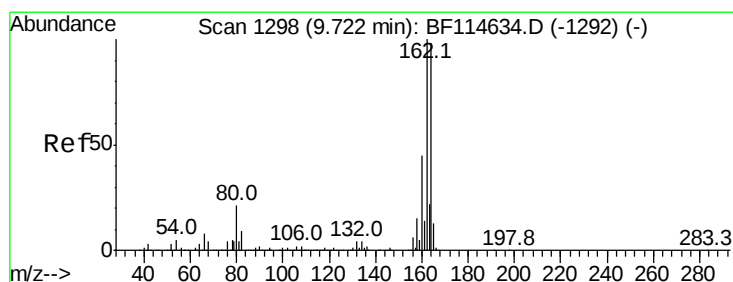
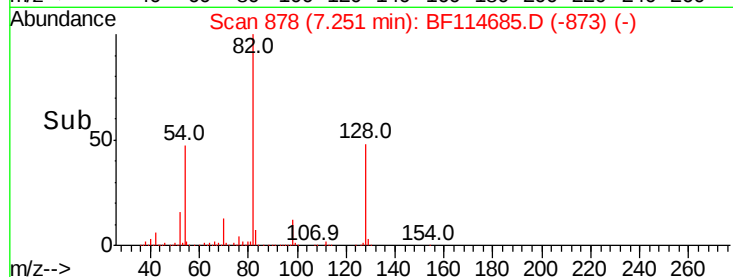
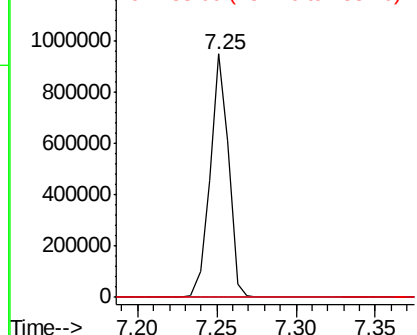
#25
Isophorone
Concen: 16.905 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.27 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 767118
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 15.9 23.9#

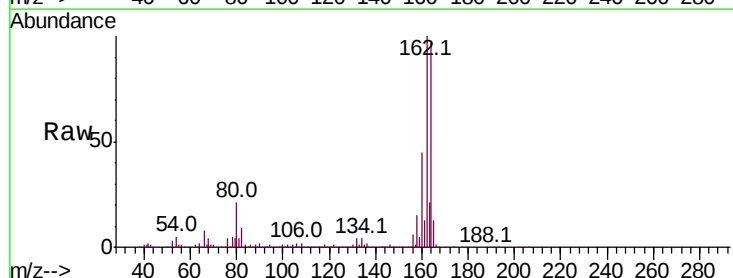


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

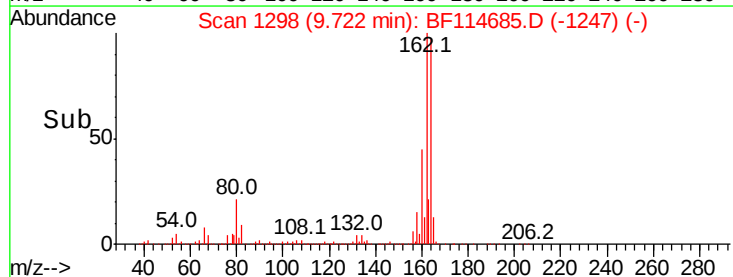
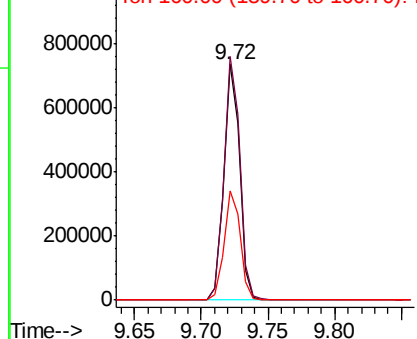


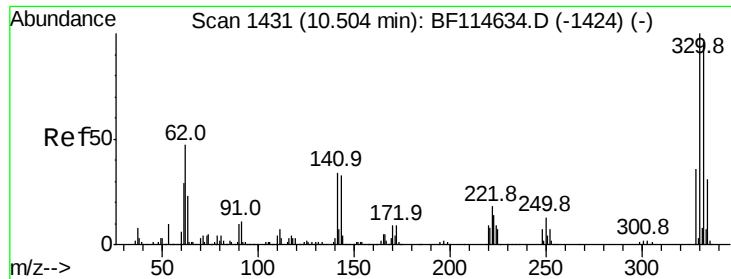
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

Tgt Ion:164 Resp: 617652
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.2
160 46.2 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

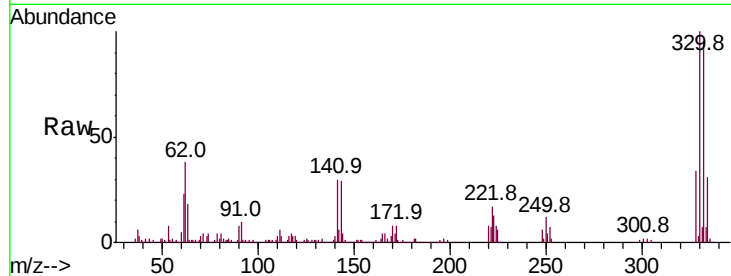




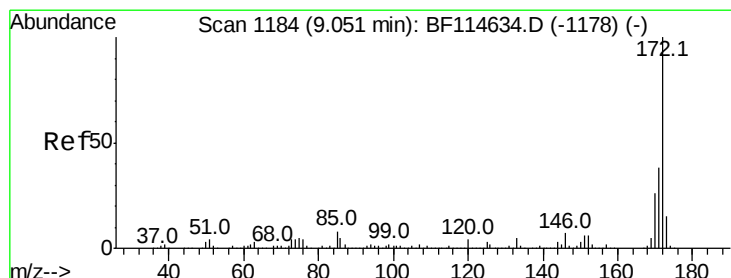
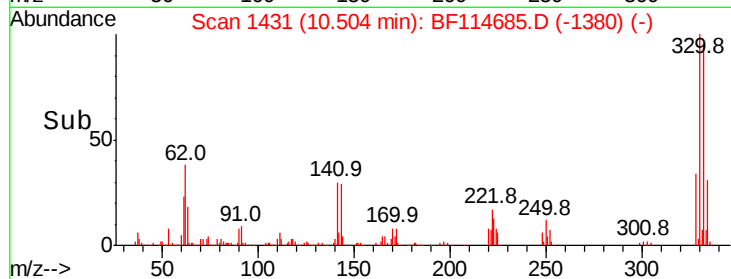
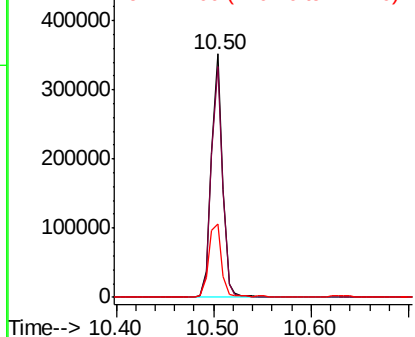
#42
 2,4,6-Tribromophenol
 Concen: 47.922 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114685.D
 Acq: 31 May 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.8	113.8
141	34.2	27.8	41.8

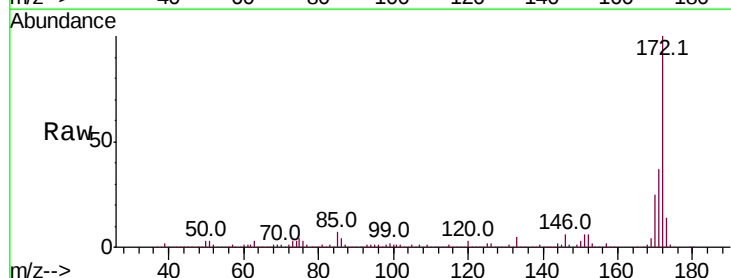


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

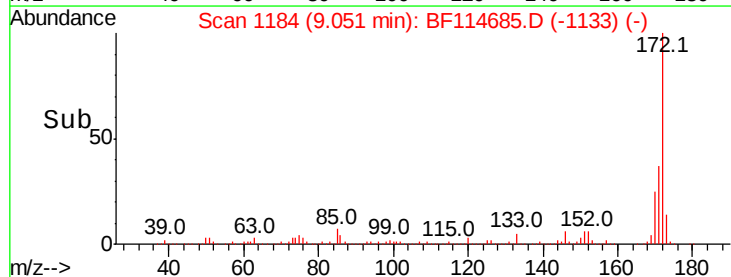
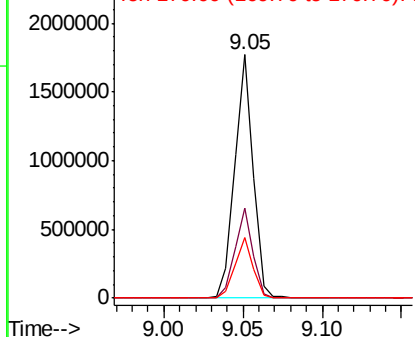


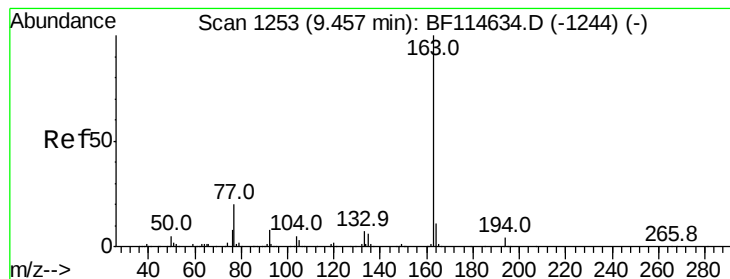
#45
 2-Fluorobiphenyl
 Concen: 33.777 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114685.D
 Acq: 31 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	45.8
170	24.9	20.7	31.1



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: 5.095 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

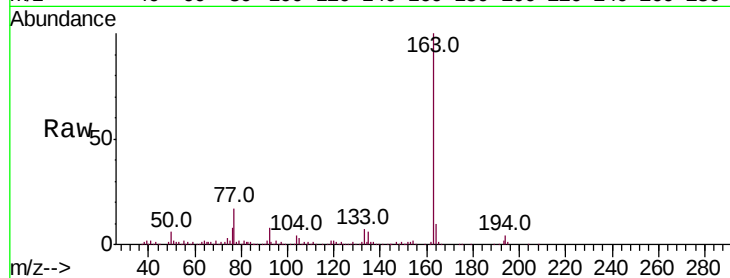
Tot Ion:163 Resp: 219264

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

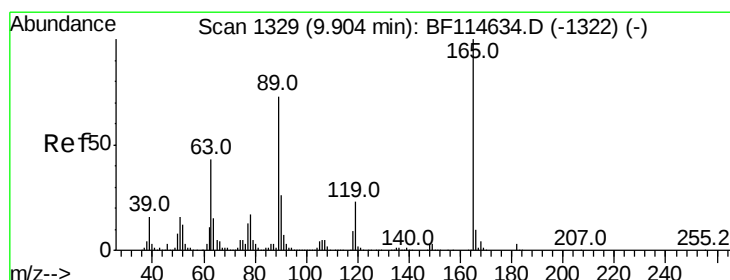
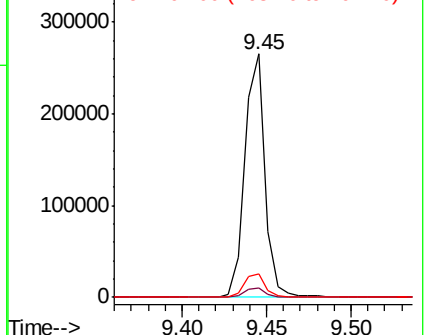
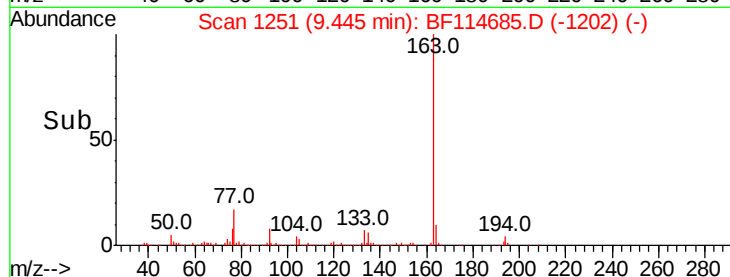
164 9.9 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 6.399 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.18 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Tgt Ion:165 Resp: 82129

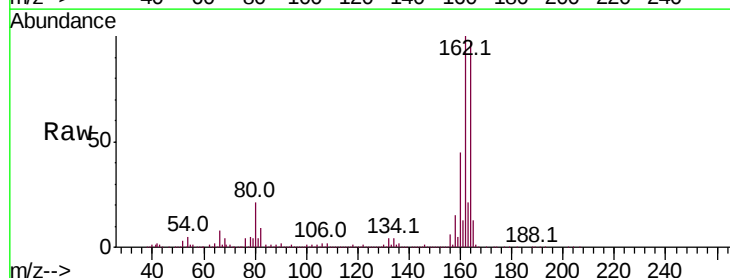
Ion Ratio Lower Upper

165 100

63 1.0 34.8 52.2#

89 1.4 58.5 87.7#

182 0.4 2.2 3.2#

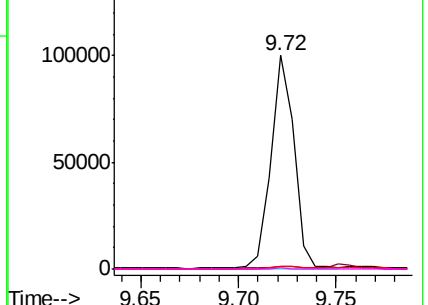
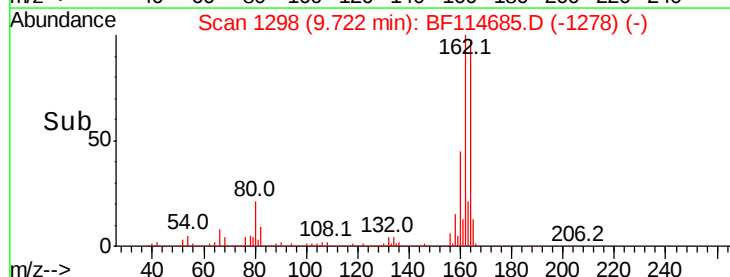


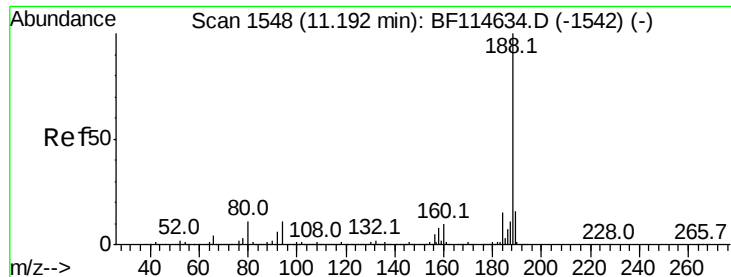
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.20 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

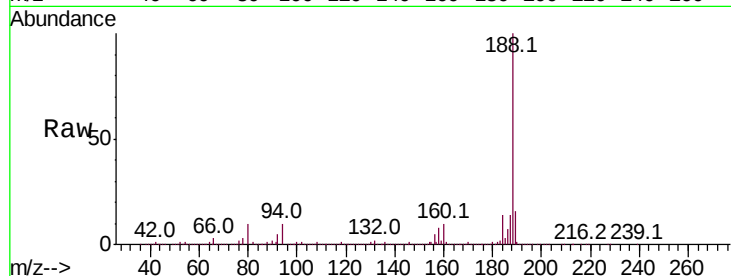
Tot Ion:188 Resp: 1110350

Ion Ratio Lower Upper

188 100

94 9.8 8.6 13.0

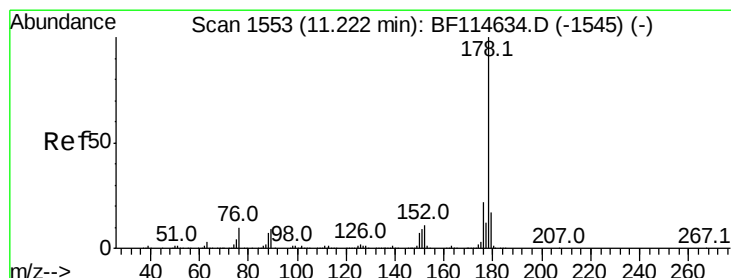
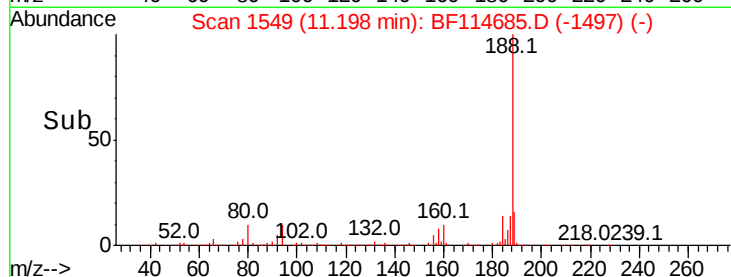
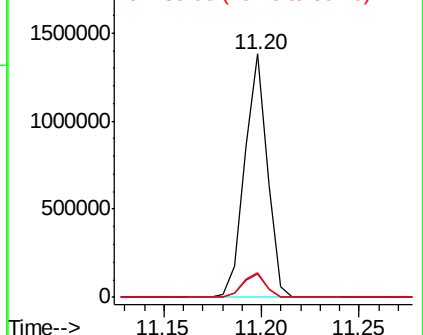
80 10.0 9.0 13.6



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: 4.710 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

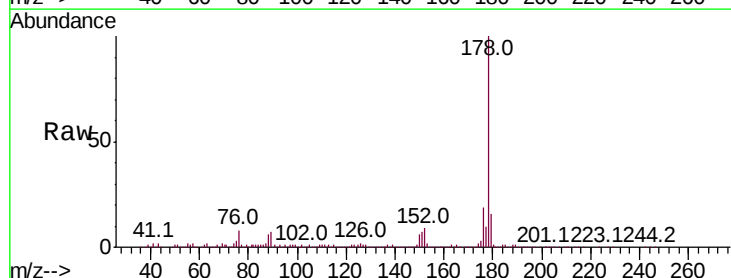
Tgt Ion:178 Resp: 266805

Ion Ratio Lower Upper

178 100

176 19.3 17.2 25.8

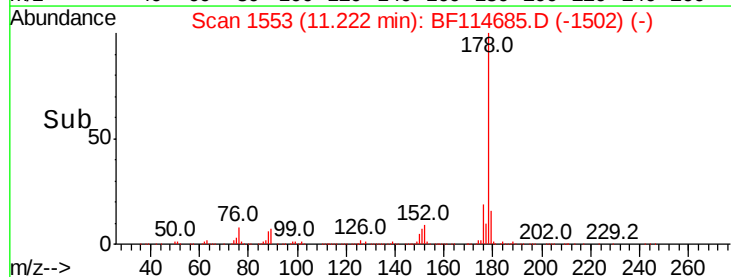
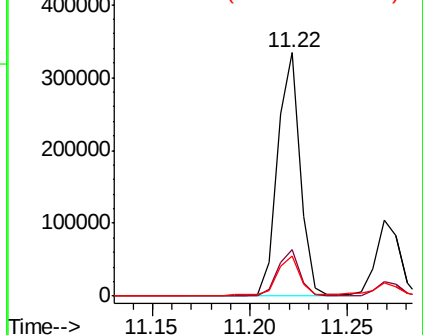
179 16.3 13.9 20.9

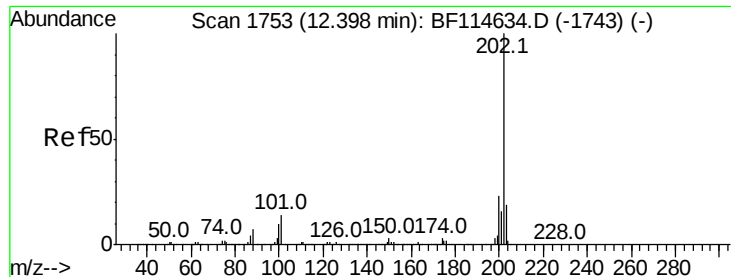


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 12.210 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

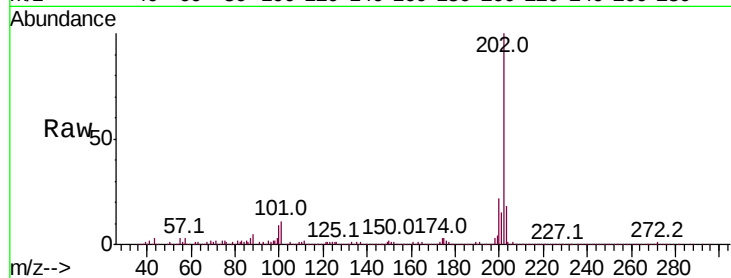
Tot Ion:202 Resp: 716092

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.9

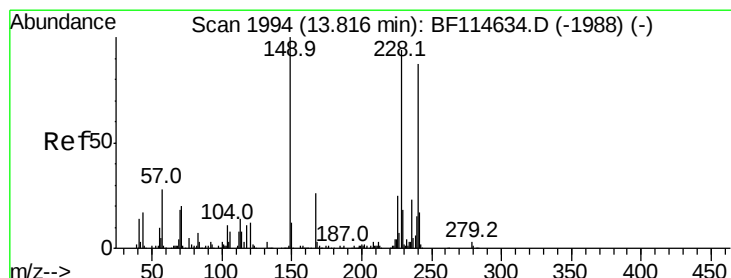
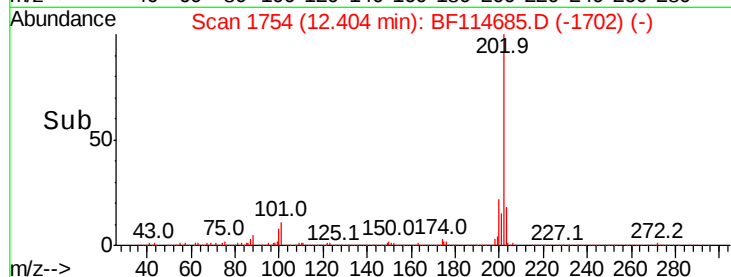
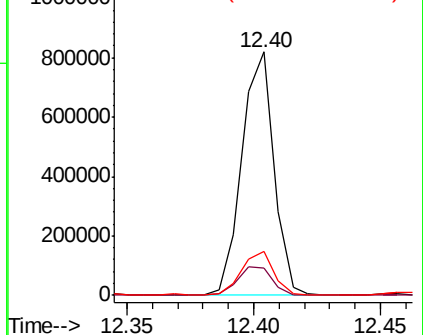
203 18.2 0.0 39.1



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: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

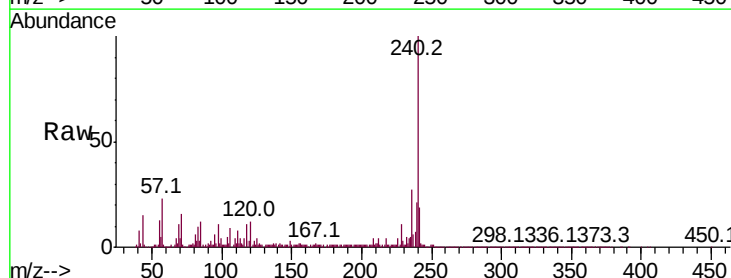
Tgt Ion:240 Resp: 680778

Ion Ratio Lower Upper

240 100

120 12.2 11.2 16.8

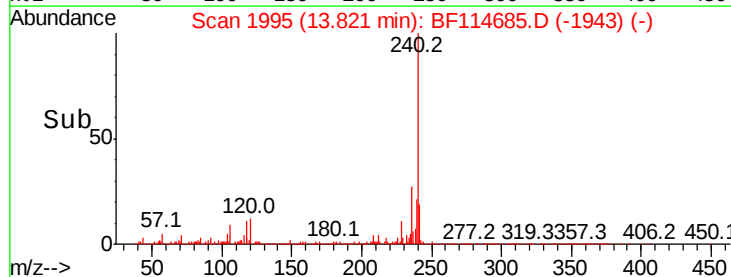
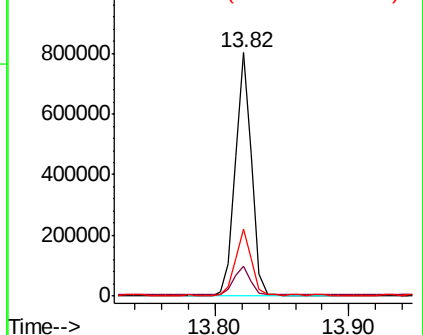
236 27.3 21.2 31.8

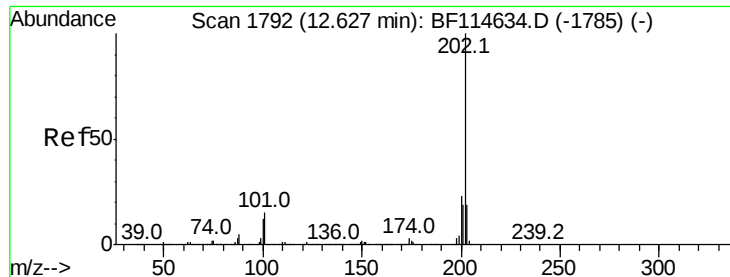


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

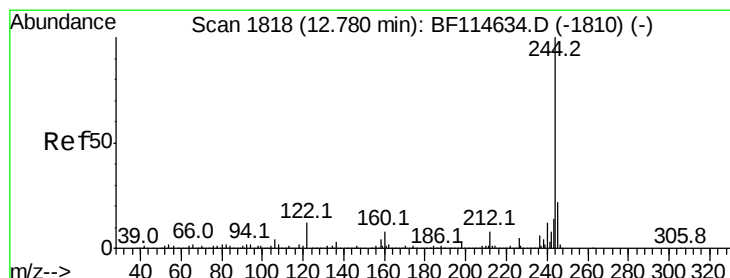
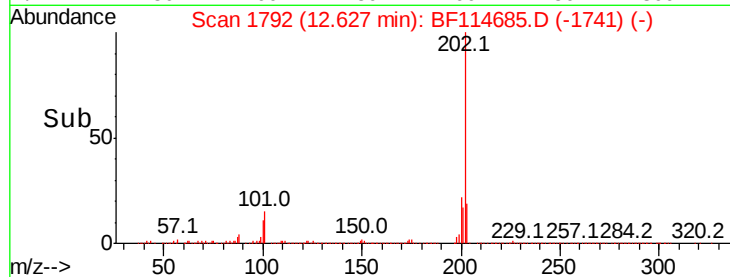
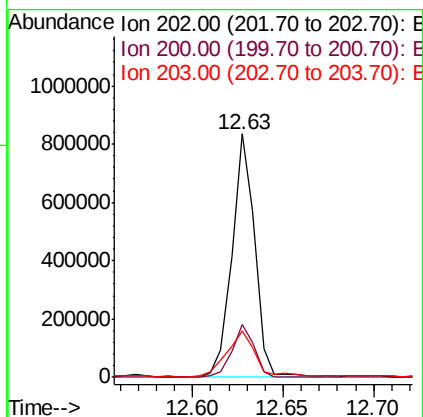
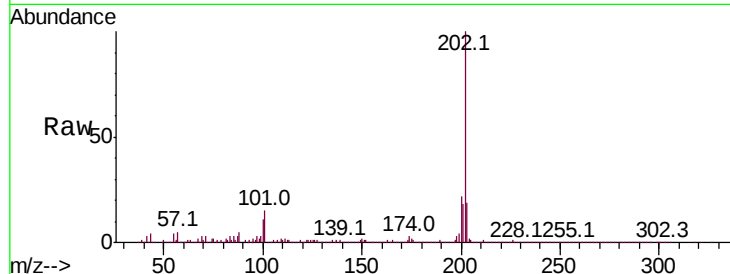




#78
Pvrene
Concen: 12.518 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

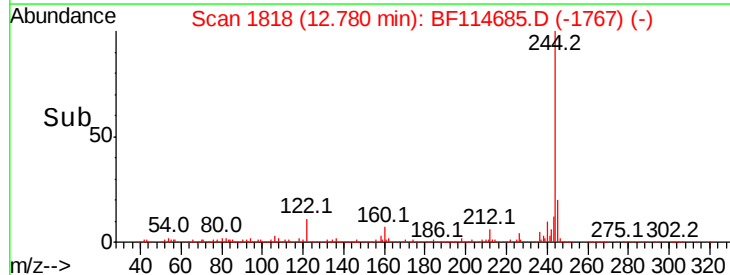
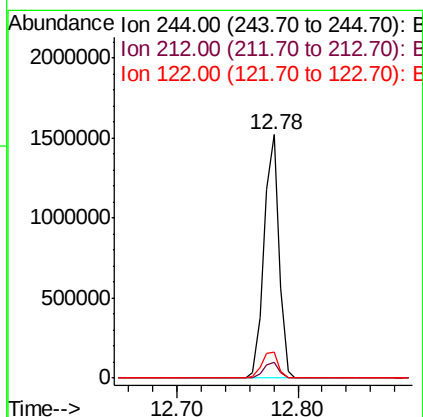
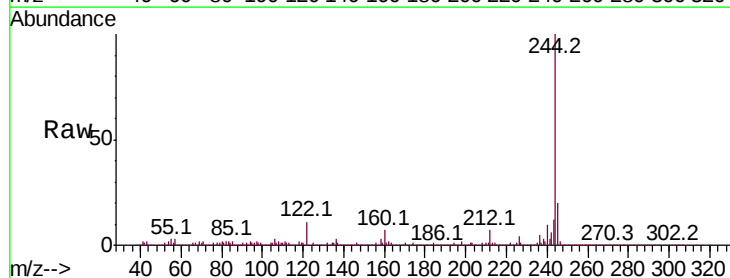
Instrument :
BNA_F
ClientSampleId :

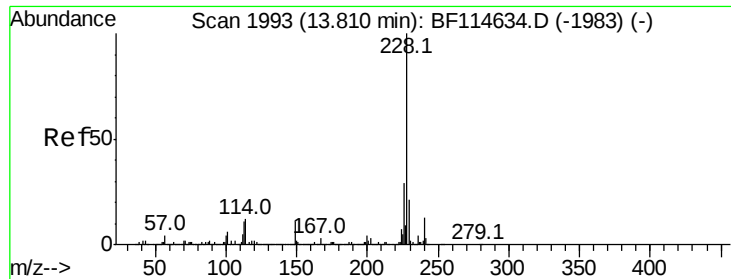
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.6	28.0
203	18.9	15.4	23.2



#79
Terphenyl-d14
Concen: 36.400 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF114685.D
Acq: 31 May 2019 2:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.1	9.1
122	10.9	9.8	14.8





#81

Benzo(a)anthracene

Concen: 6.594 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

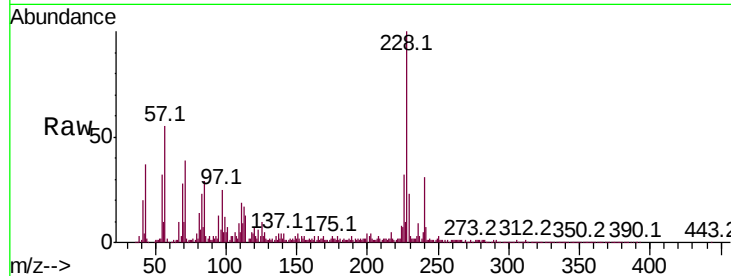
Tot Ion:228 Resp: 344987

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.6

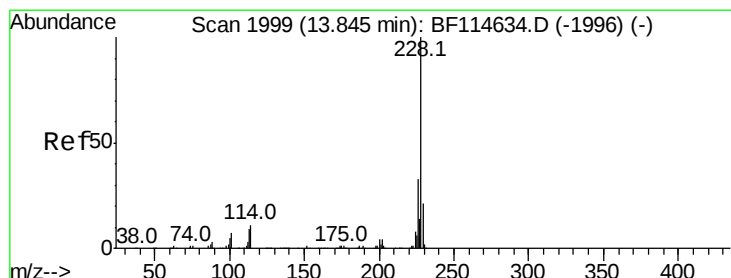
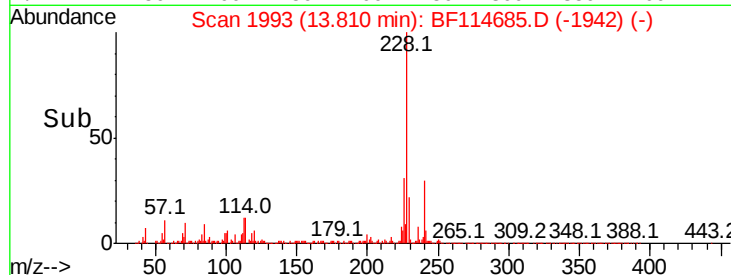
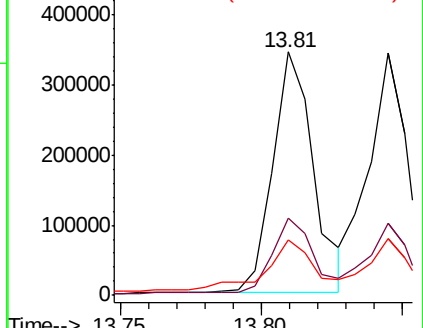
229 23.0 17.0 25.4



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: 6.509 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

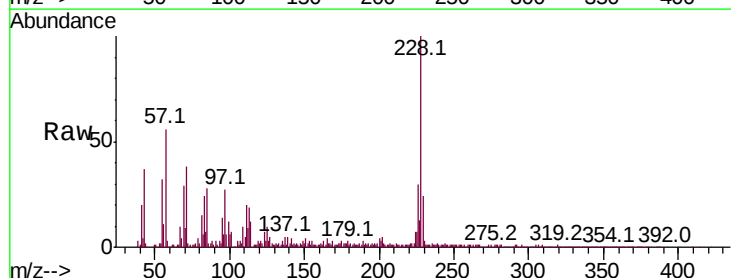
Tgt Ion:228 Resp: 325356

Ion Ratio Lower Upper

228 100

226 29.8 26.4 39.6

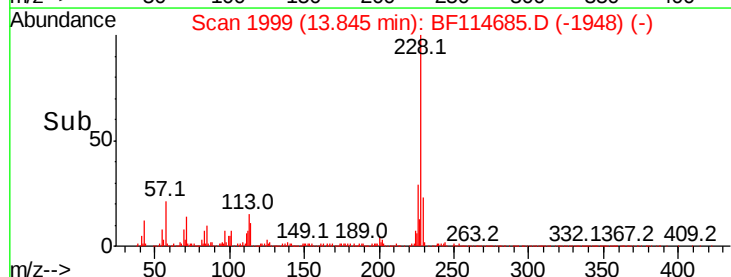
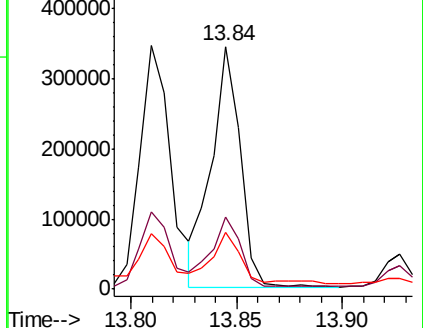
229 23.6 17.1 25.7

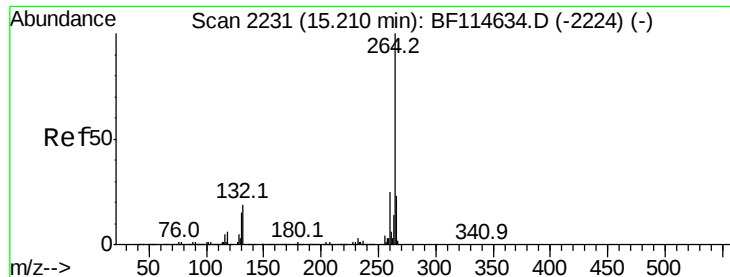


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.22 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

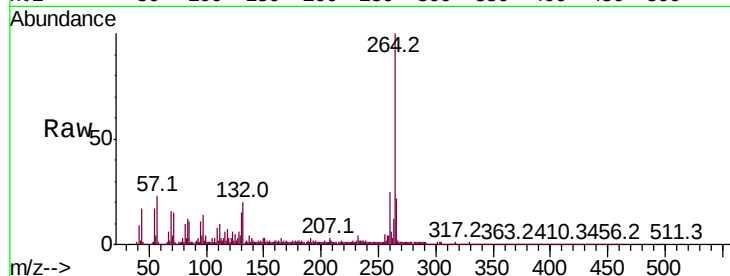
Tot Ion:264 Resp: 582601

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

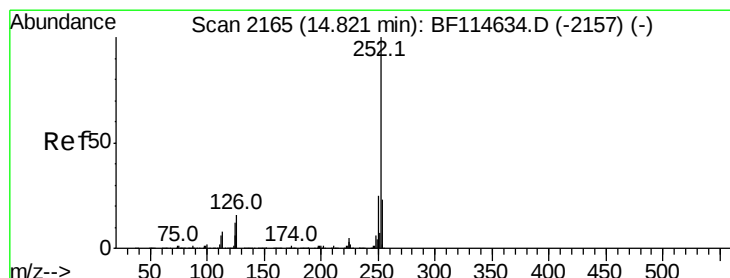
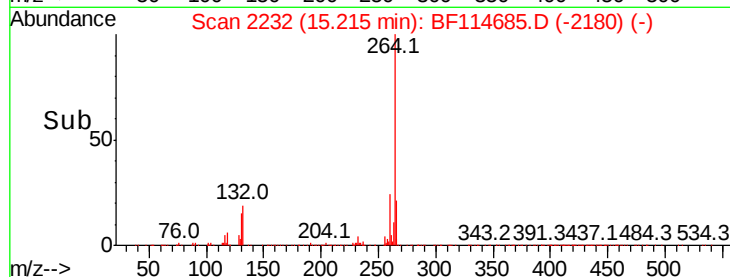
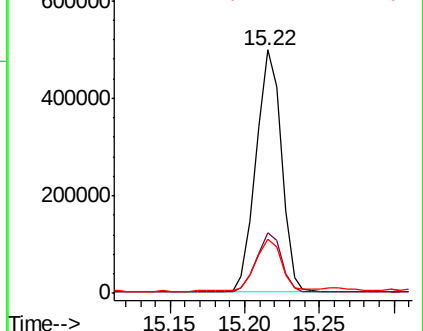
265 22.1 18.1 27.1



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: 13.054 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

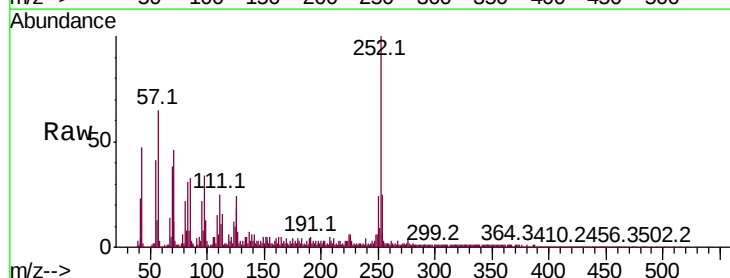
Tgt Ion:252 Resp: 479008

Ion Ratio Lower Upper

252 100

253 25.3 18.7 28.1

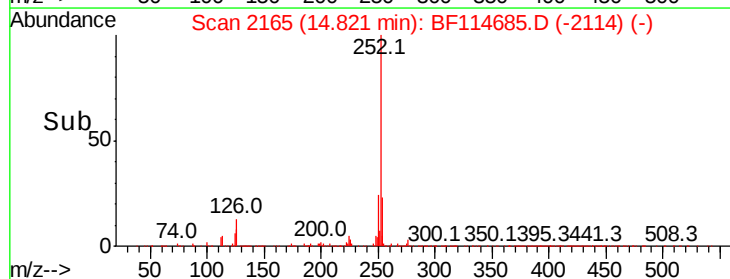
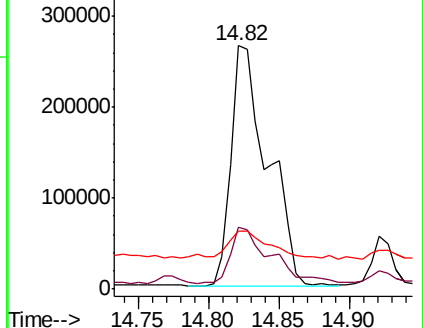
125 24.1 9.4 14.2#

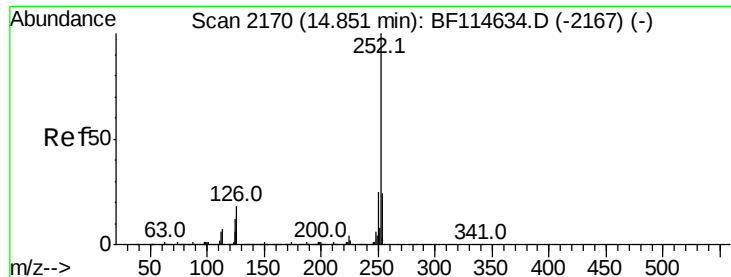


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 15.019 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

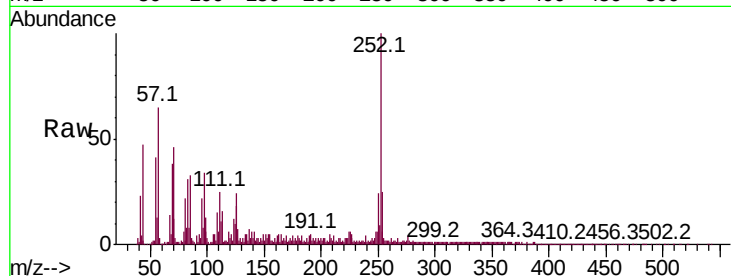
Tot Ion:252 Resp: 479008

Ion Ratio Lower Upper

252 100

253 25.3 18.9 28.3

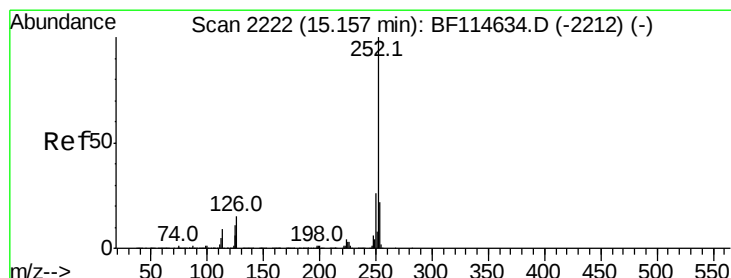
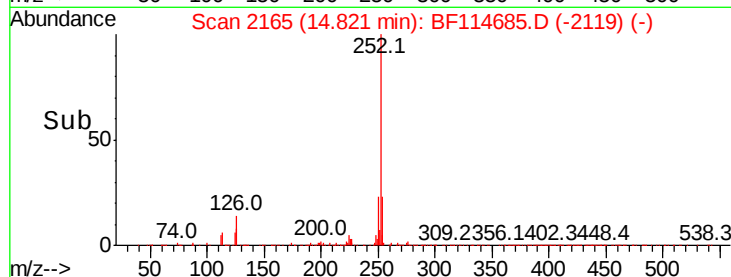
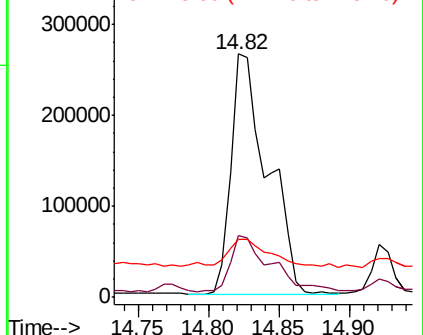
125 24.1 9.5 14.3#



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



#90

Benzo(a)pyrene

Concen: 8.202 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

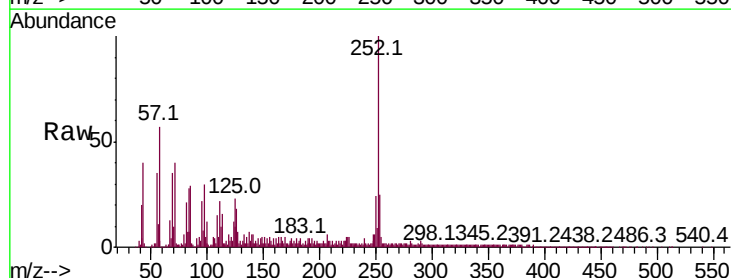
Tgt Ion:252 Resp: 264399

Ion Ratio Lower Upper

252 100

253 24.5 18.0 27.0

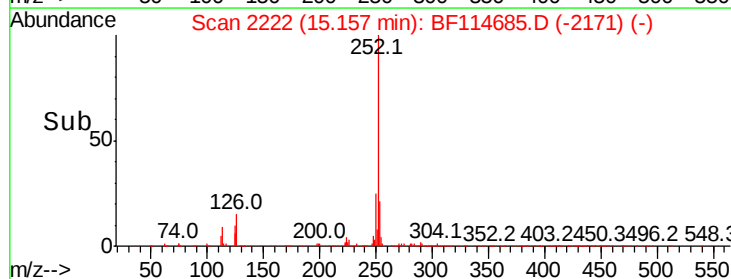
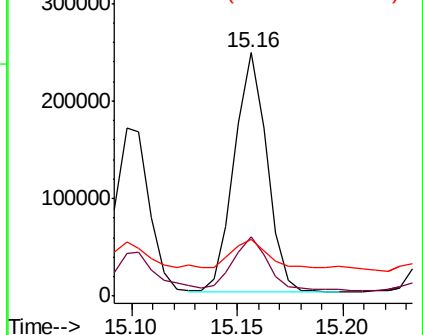
125 23.3 9.2 13.8#

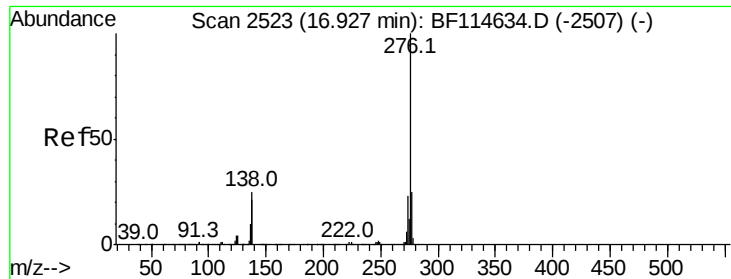


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 5.827 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.01 min

Lab File: BF114685.D

Acq: 31 May 2019 2:32

Instrument :

BNA_F

ClientSampleId :

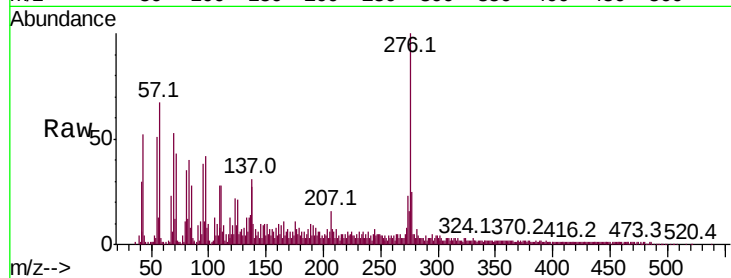
Tot Ion:276 Resp: 161102

Ion Ratio Lower Upper

276 100

277 25.1 19.7 29.5

138 27.4 19.8 29.8



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

