

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
 Data File : BF117365.D
 Acq On : 10 Oct 2019 17:35
 Operator : JU
 Sample : K5297-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Oct 11 06:38:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

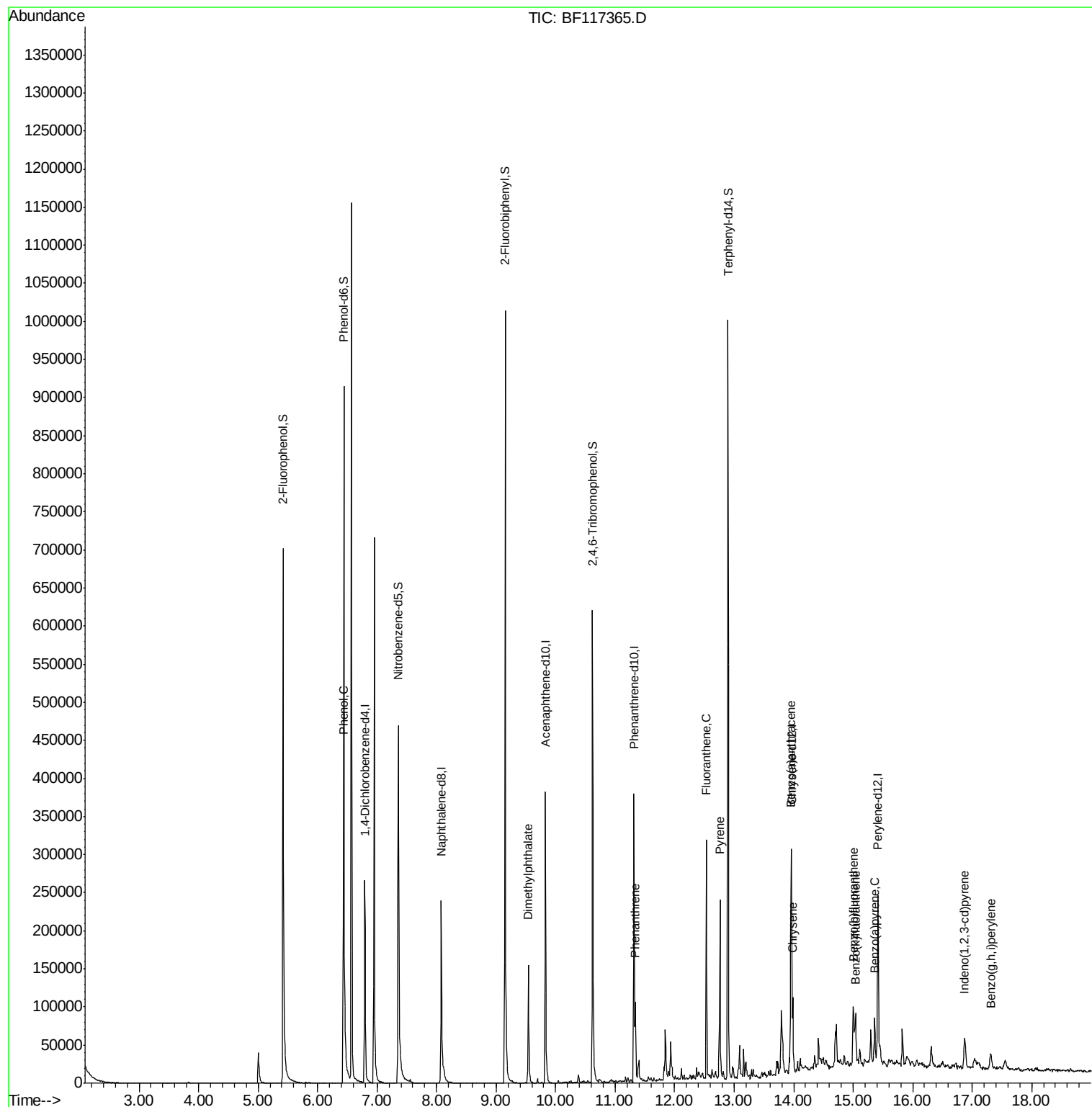
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	44947	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	175889	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	93546	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	149259	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	88455	20.00	ng	-0.01
87) Perylene-d12	15.42	264	94217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	264236	91.78	ng	0.00
7) Phenol-d6	6.44	99	364956	98.09	ng	-0.01
23) Nitrobenzene-d5	7.36	82	226256	67.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	72436	92.65	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	350003	58.50	ng	-0.01
79) Terphenyl-d14	12.90	244	294830	62.30	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	10916	2.661	ng	91
50) Dimethylphthalate	9.55	163	71620	10.813	ng	99
71) Phenanthrene	11.34	178	38854	4.583	ng	99
75) Fluoranthene	12.53	202	123542	14.182	ng	97
78) Pyrene	12.76	202	104159	14.034	ng	98
81) Benzo(a)anthracene	13.95	228	41642	7.046	ng	99
83) Chrysene	13.99	228	37521	6.510	ng	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	21495	5.112	ng	98
88) Benzo(b)fluoranthene	15.00	252	44299m	7.762	ng	
89) Benzo(k)fluoranthene	15.03	252	13234m	2.448	ng	
90) Benzo(a)pyrene	15.36	252	30605	6.111	ng	# 95
92) Benzo(a,h,i)perylene	17.31	276	19183	4.825	ng	95

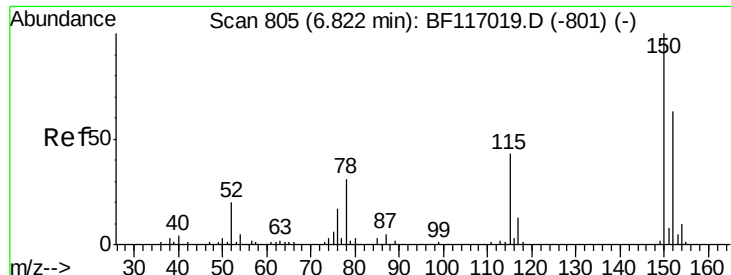
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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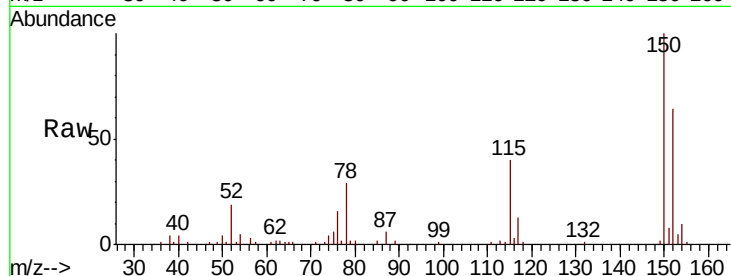


#1

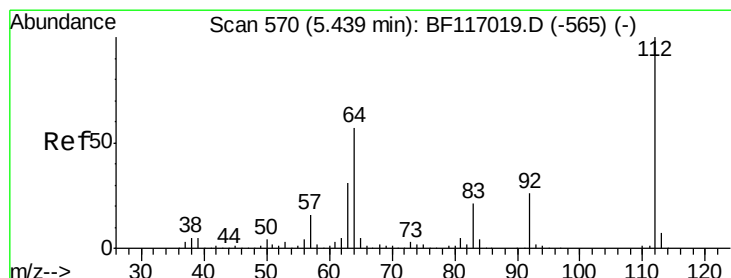
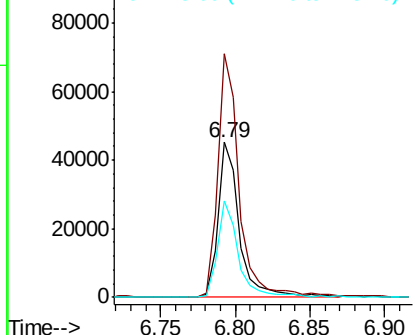
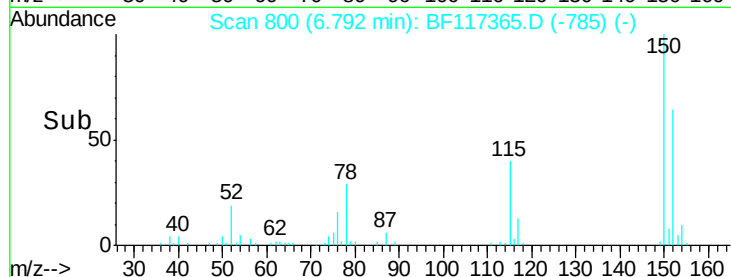
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion:152 Resp: 44947
Ion Ratio Lower Upper
152 100
150 157.4 127.5 191.3
115 62.7 55.0 82.4



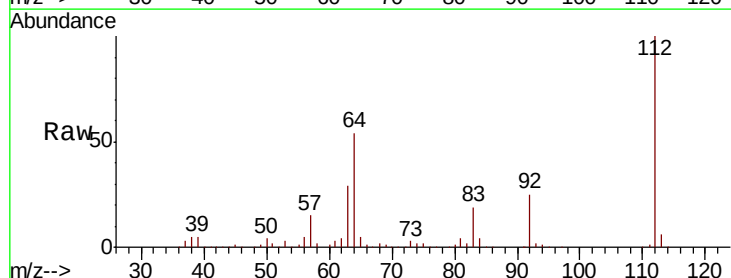
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



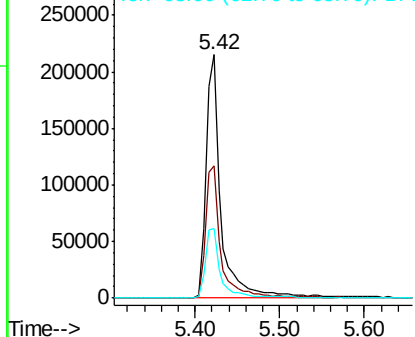
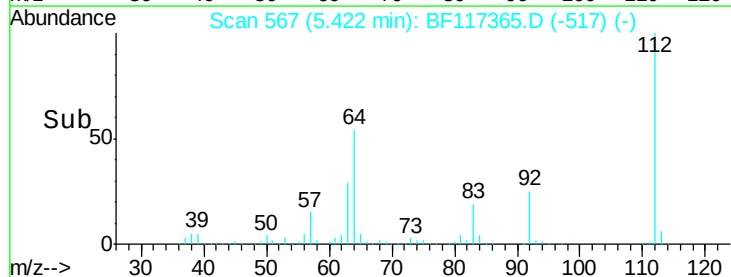
#5

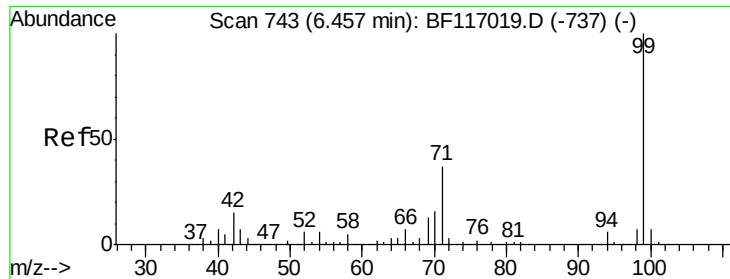
2-Fluorophenol
Concen: 91.783 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:112 Resp: 264236
Ion Ratio Lower Upper
112 100
64 54.2 45.7 68.5
63 28.5 24.9 37.3



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: 98.091 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampled :

TP-3

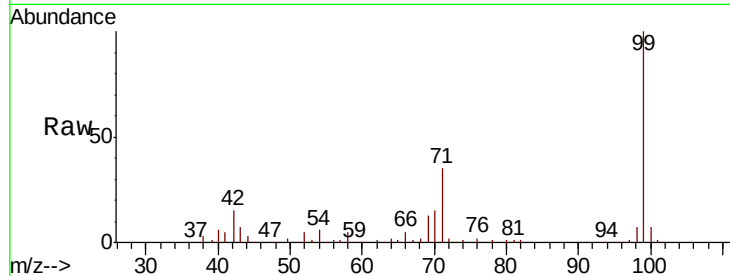
Tot Ion: 99 Resp: 364956

Ion Ratio Lower Upper

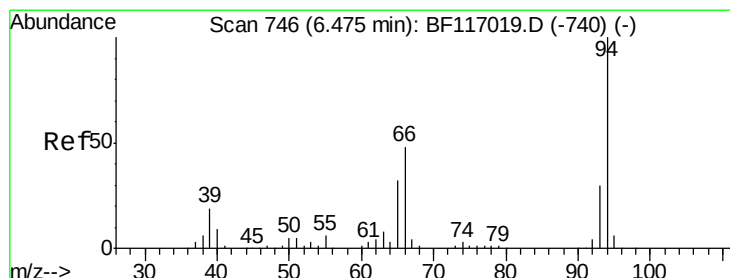
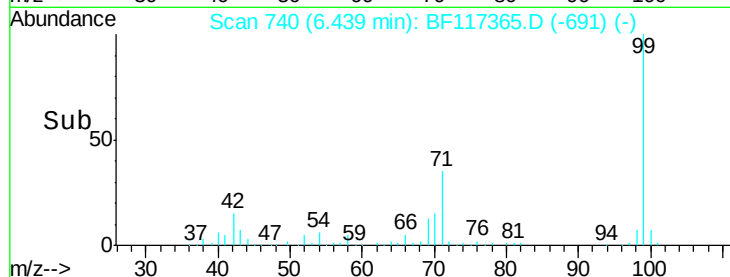
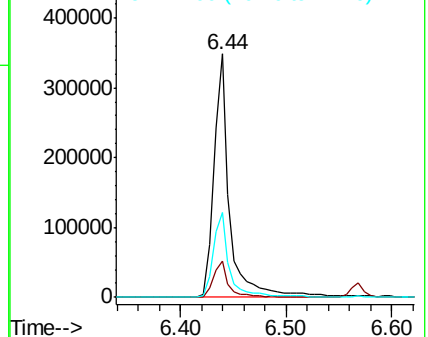
99 100

42 14.8 12.2 18.2

71 34.8 29.8 44.8



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



#10

Phenol

Concen: 2.661 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

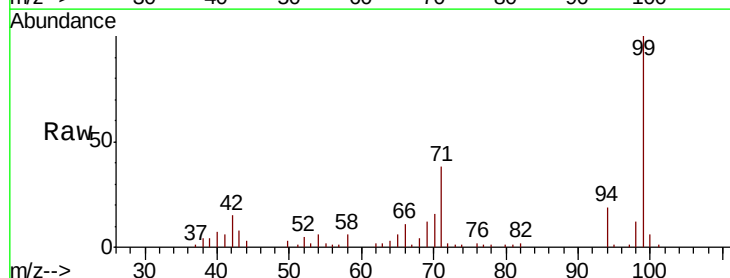
Tgt Ion: 94 Resp: 10916

Ion Ratio Lower Upper

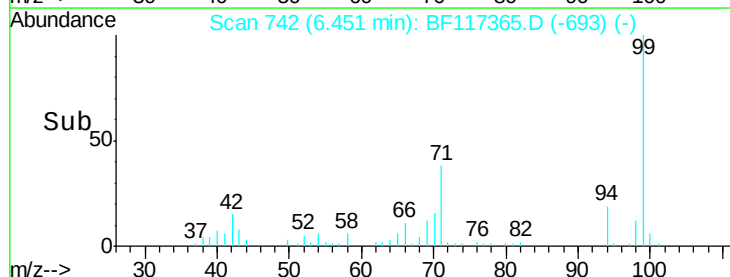
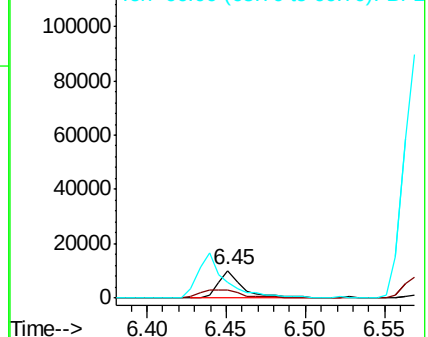
94 100

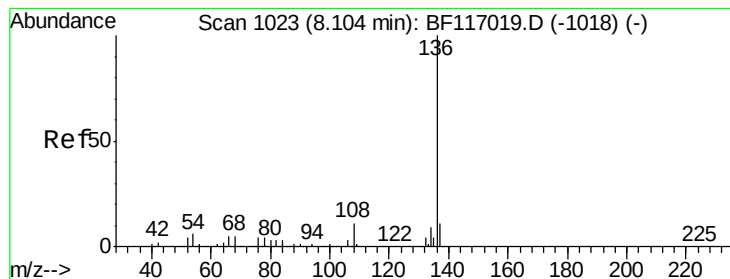
65 30.4 12.5 52.5

66 57.4 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

Tot Ion:136 Resp: 175889

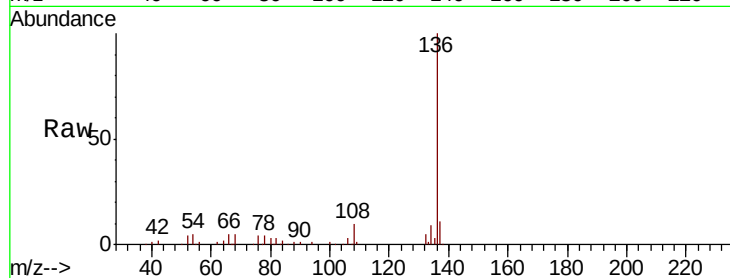
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 5.3 4.5 6.7

68 5.0 4.0 6.0

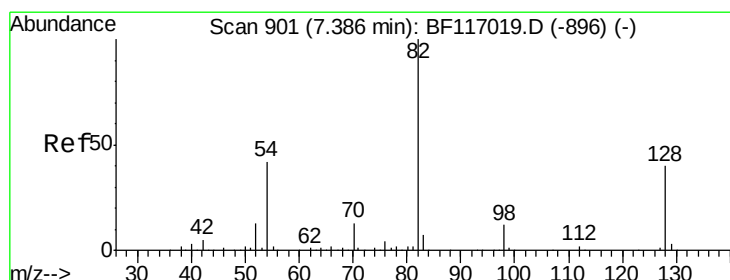
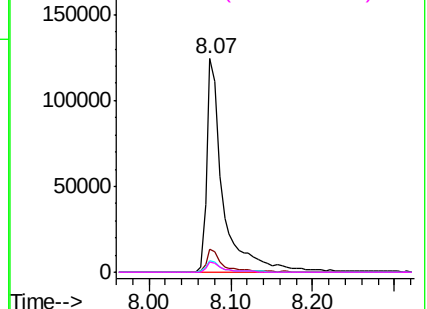
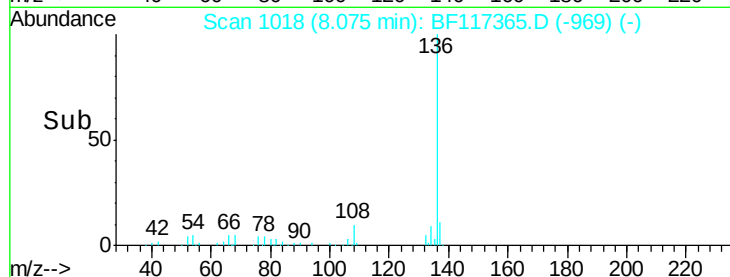


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.588 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

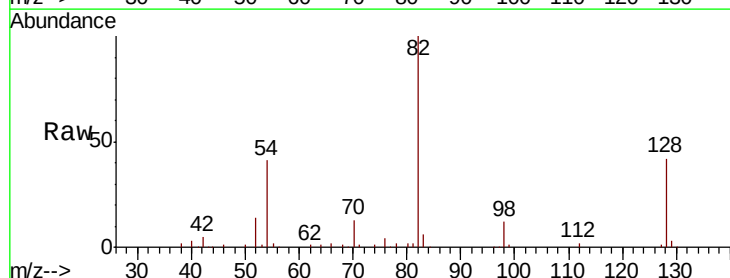
Tgt Ion: 82 Resp: 226256

Ion Ratio Lower Upper

82 100

128 42.4 32.3 48.5

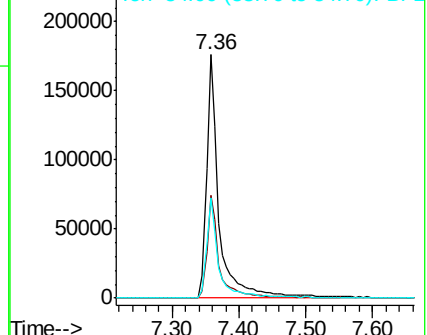
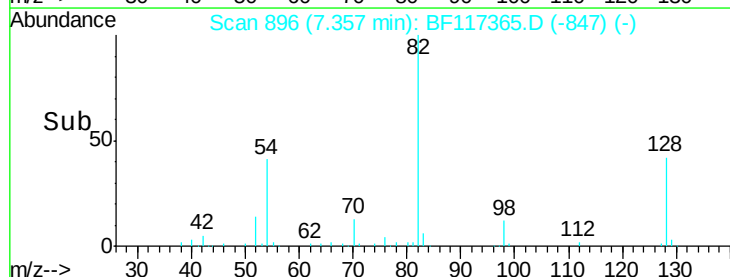
54 41.2 33.3 49.9

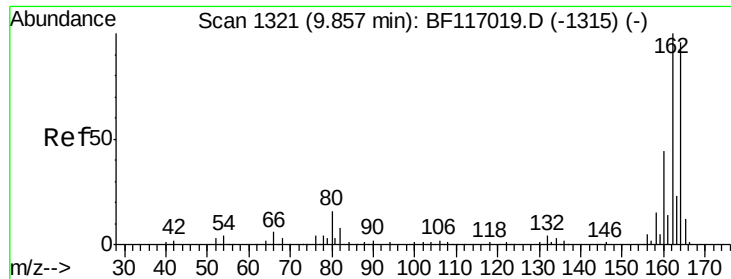


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

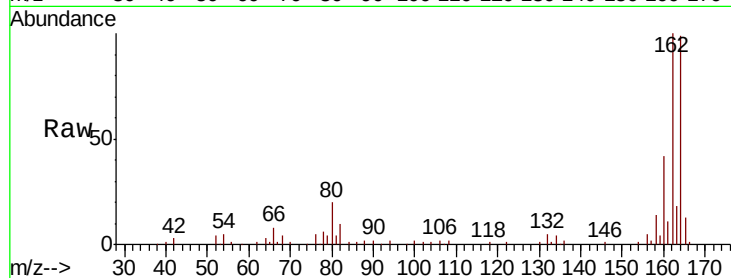
Tot Ion:164 Resp: 93546

Ion Ratio Lower Upper

164 100

162 100.9 83.4 125.2

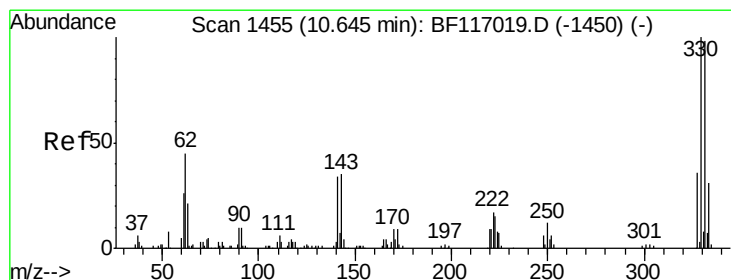
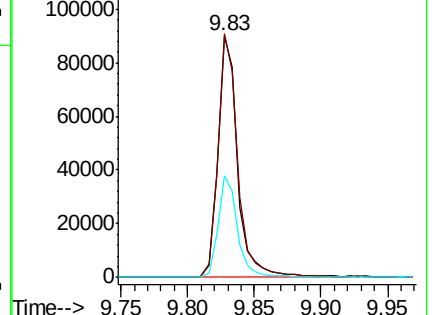
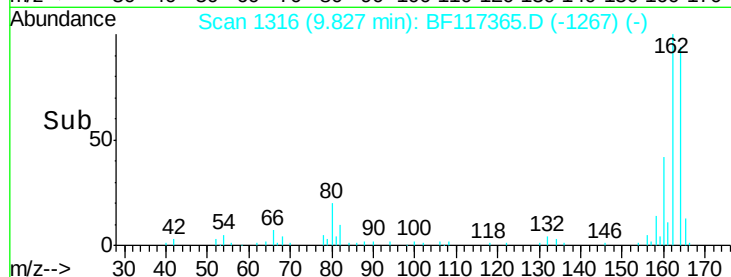
160 41.9 36.4 54.6



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: 92.649 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

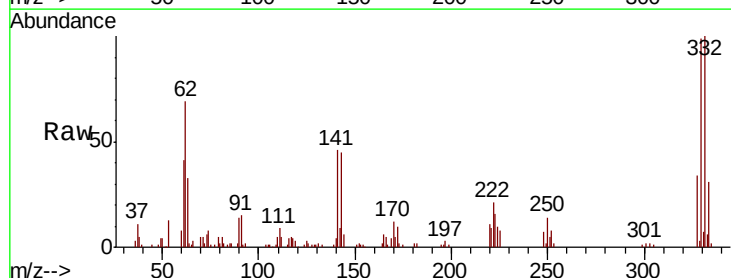
Tgt Ion:330 Resp: 72436

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

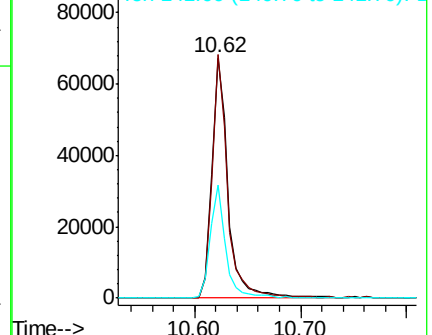
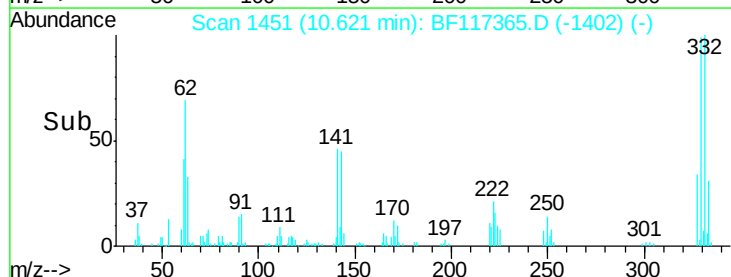
141 44.5 35.8 53.6

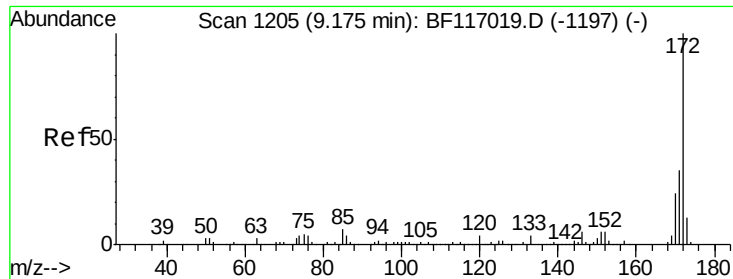


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

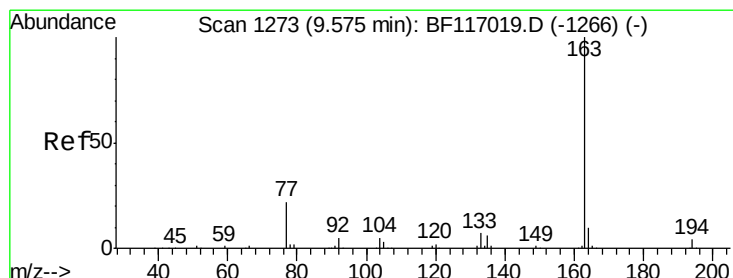
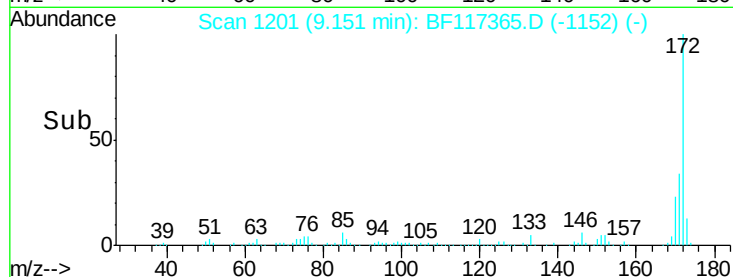
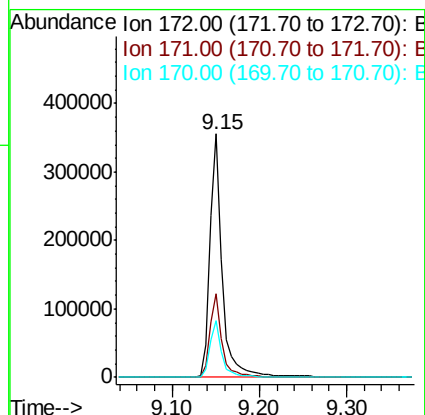
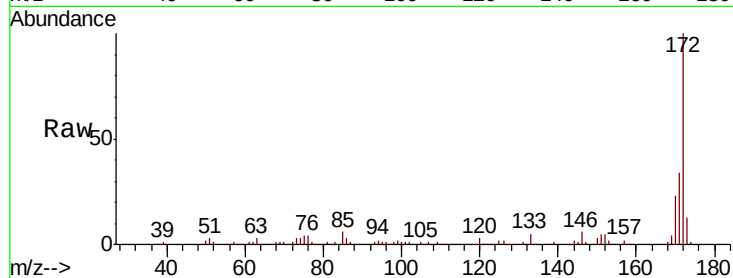




#45
2-Fluorobiphenyl
Concen: 58.501 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

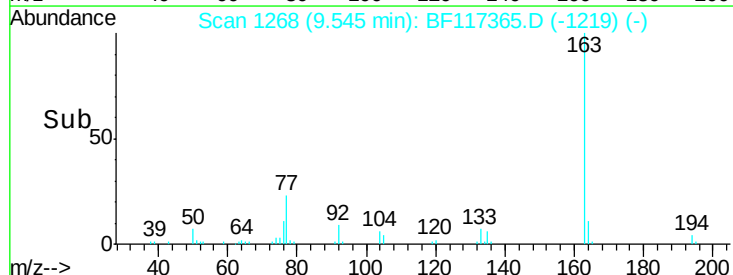
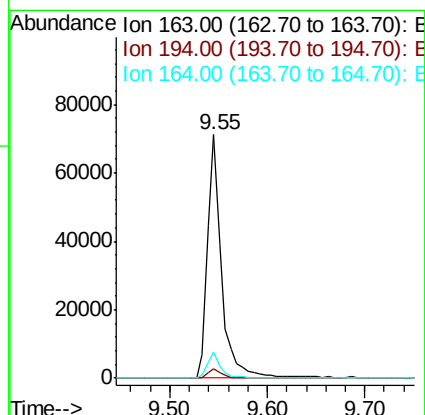
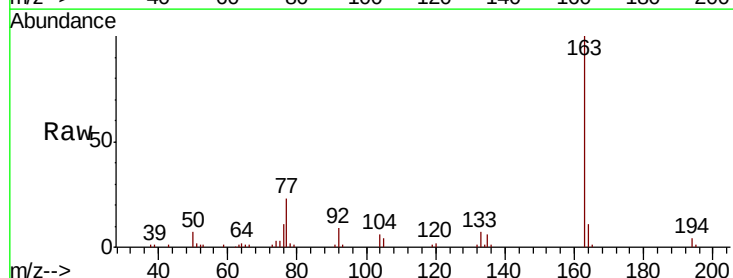
Instrument :
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ClientSampleId :
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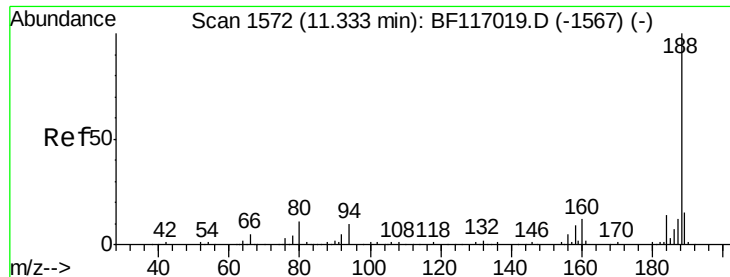
Tot Ion:172 Resp: 350003
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 23.1 18.9 28.3



#50
Dimethylphthalate
Concen: 10.813 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:163 Resp: 71620
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.5 8.2 12.4

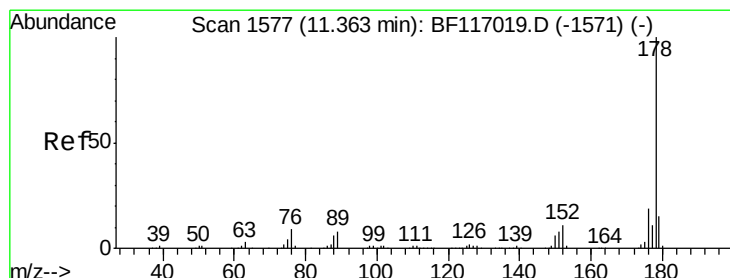
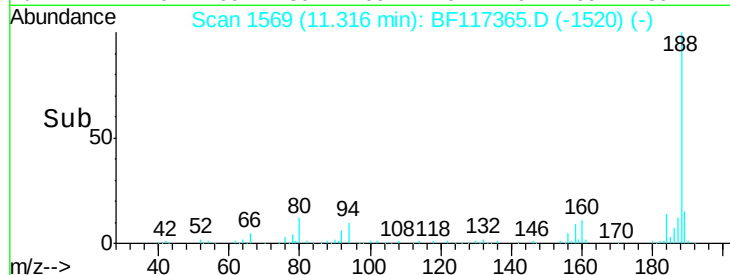
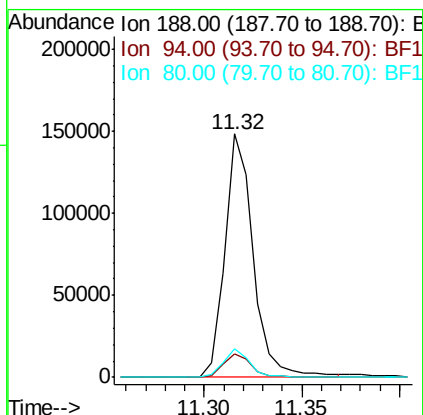
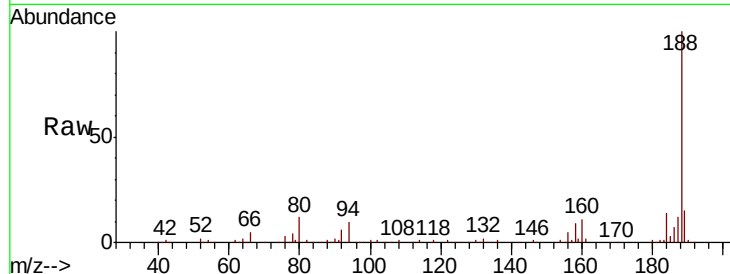




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

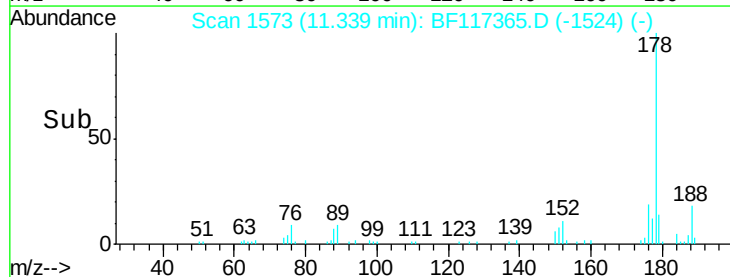
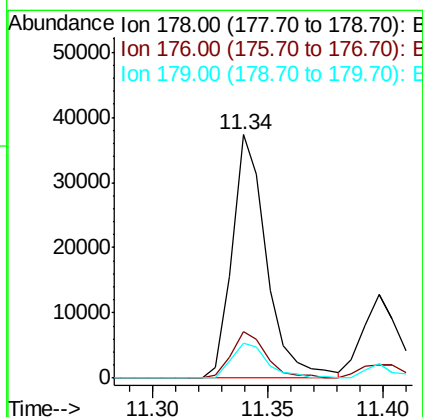
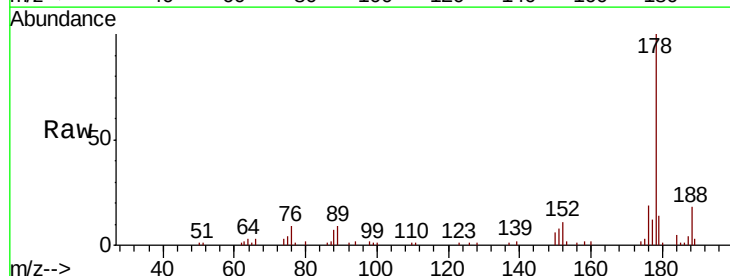
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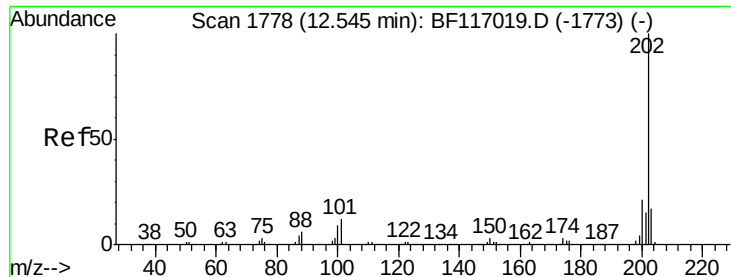
Tot Ion:188 Resp: 149259
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 11.8 9.0 13.6



#71
Phenanthrene
Concen: 4.583 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:178 Resp: 38854
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.3 12.4 18.6

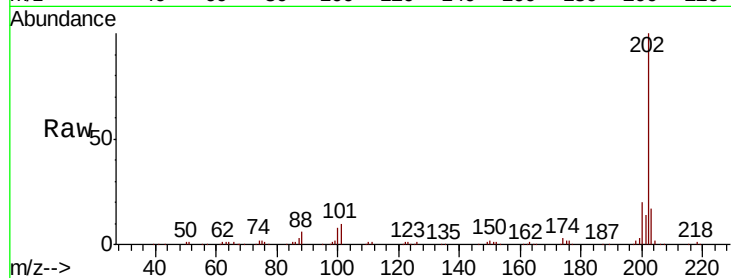




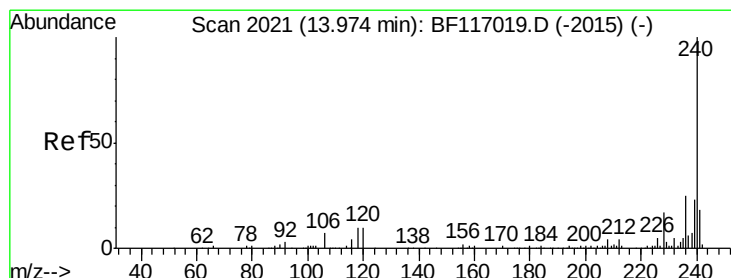
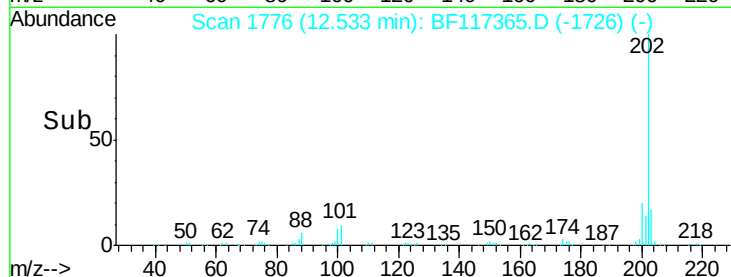
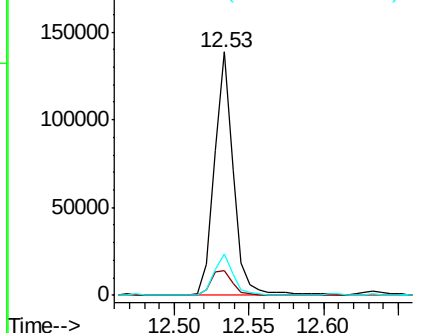
#75
 Fluoranthene
 Concen: 14.182 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion:	202	Resp:	123542
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.3
203	16.9	0.0	37.1

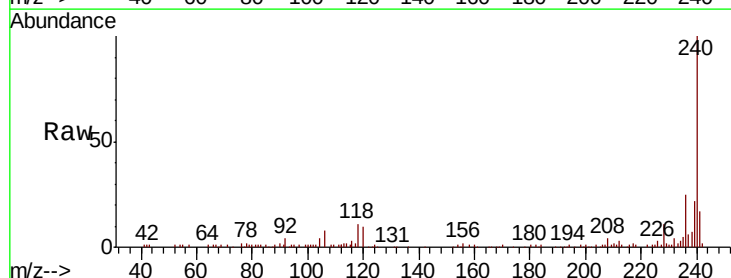


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

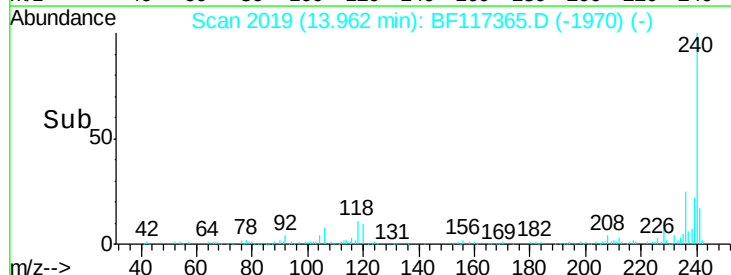
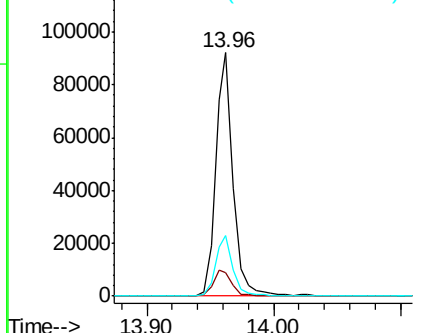


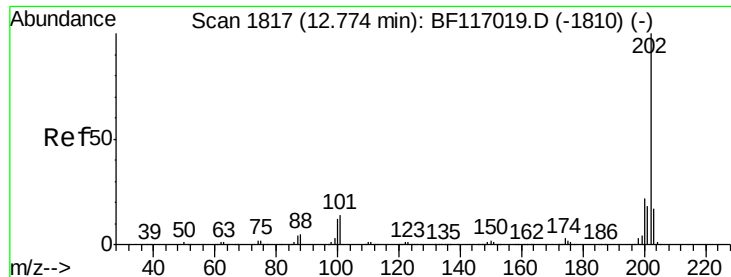
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117365.D
 Acq: 10 Oct 2019 17:35

Tgt Ion:	240	Resp:	88455
Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.3	12.5
236	24.7	20.3	30.5



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: 14.034 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampled :

TP-3

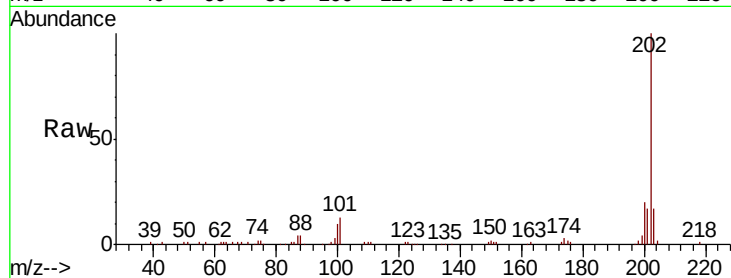
Tot Ion:202 Resp: 104159

Ion Ratio Lower Upper

202 100

200 20.1 17.2 25.8

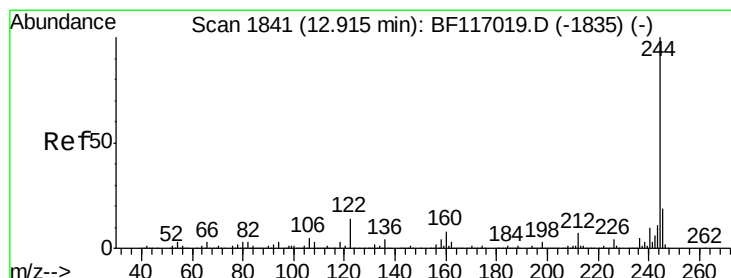
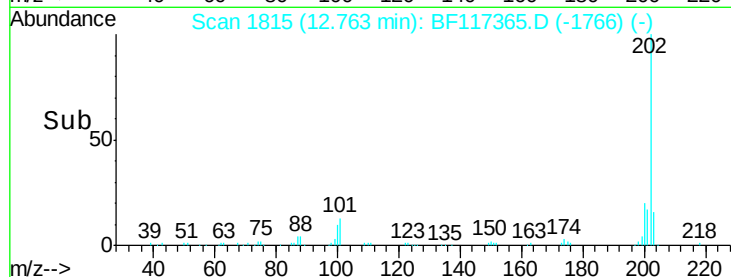
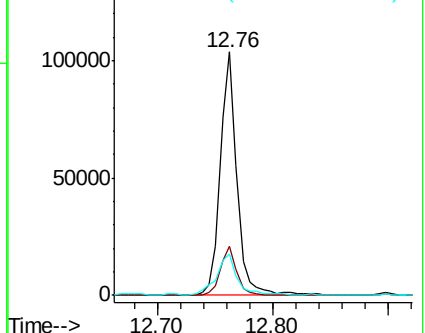
203 16.9 14.0 21.0



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: 62.303 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

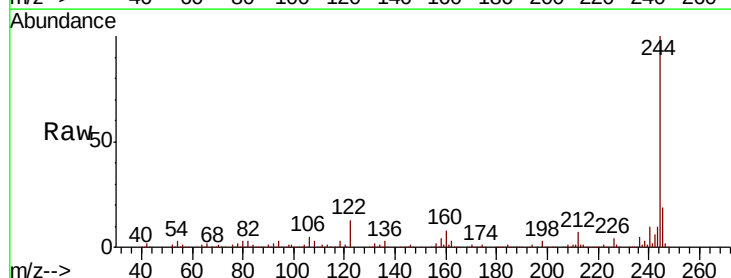
Tgt Ion:244 Resp: 294830

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

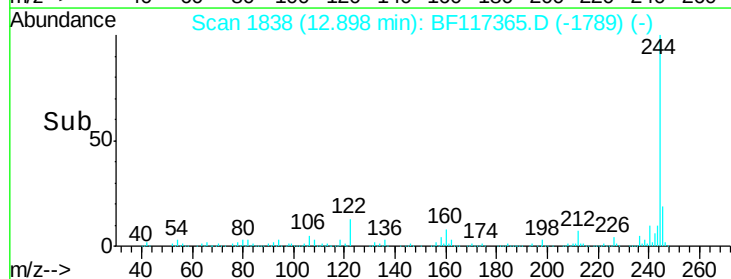
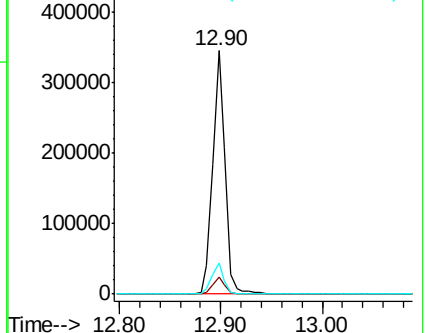
122 13.0 11.3 16.9

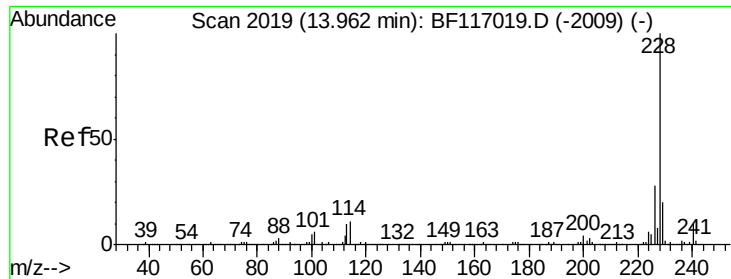


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

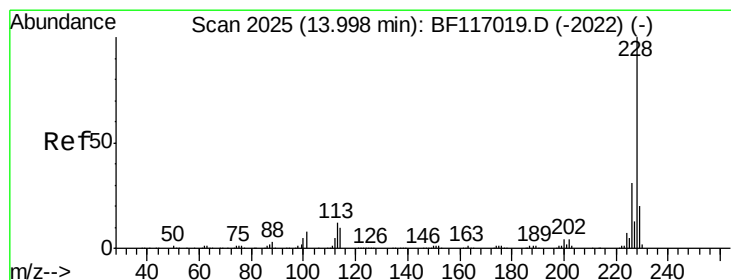
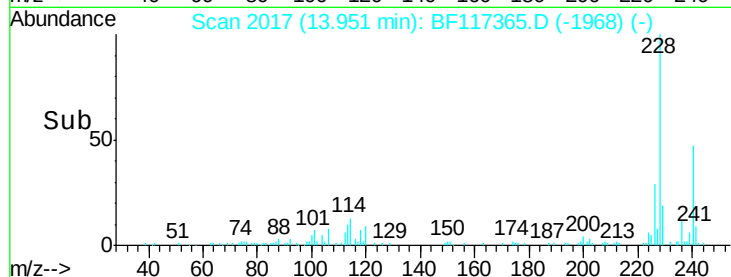
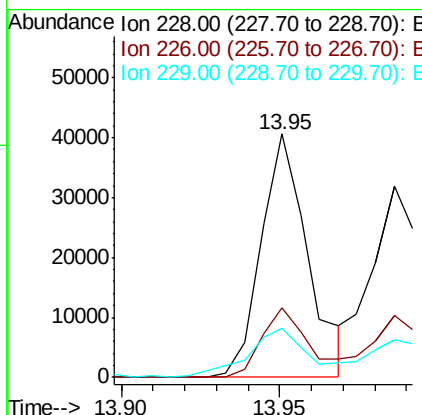
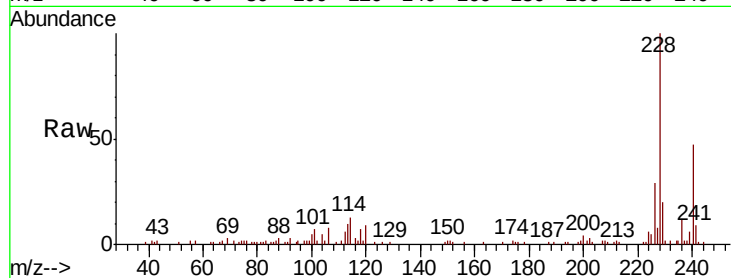




#81
Benzo(a)anthracene
Concen: 7.046 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

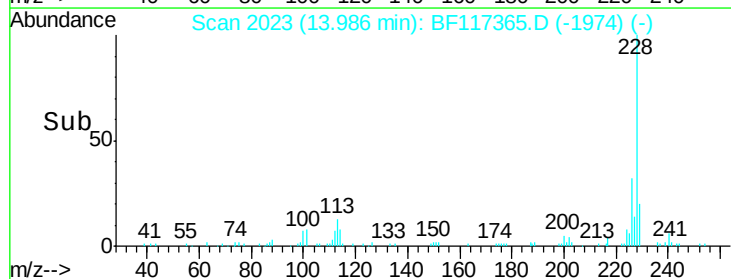
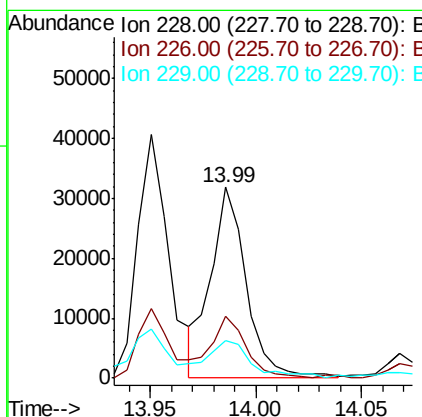
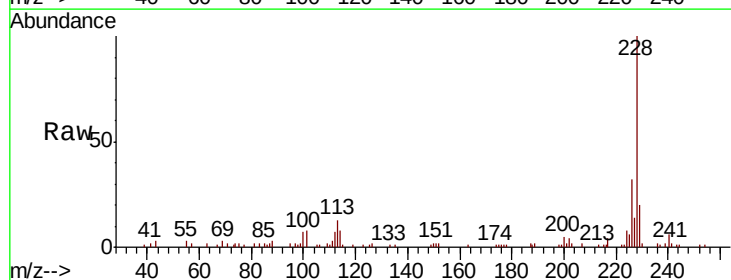
Instrument :
BNA_F
ClientSampleId :
TP-3

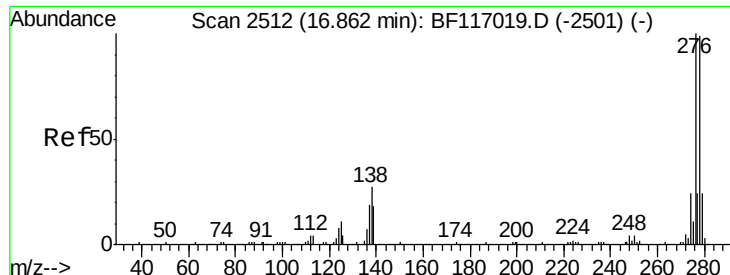
Tot Ion:228 Resp: 41642
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 20.4 15.9 23.9



#83
Chrysene
Concen: 6.510 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:228 Resp: 37521
Ion Ratio Lower Upper
228 100
226 32.3 24.8 37.2
229 19.9 15.8 23.8

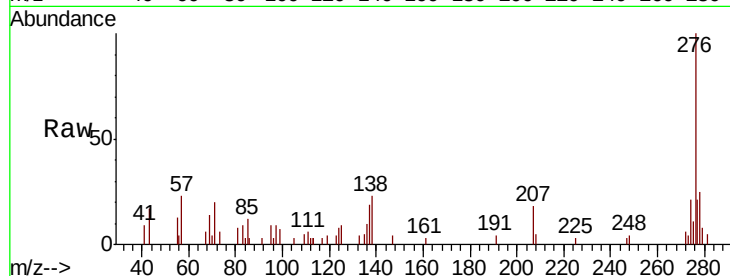




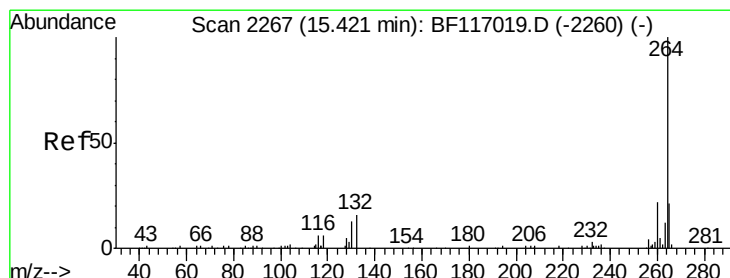
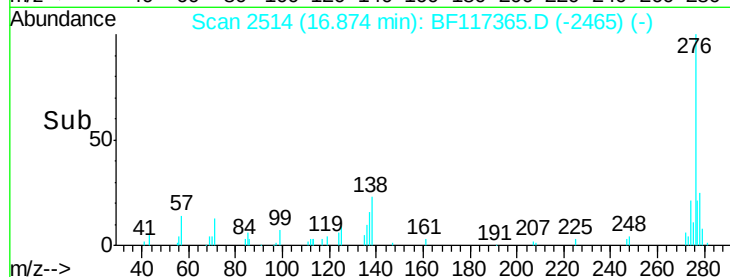
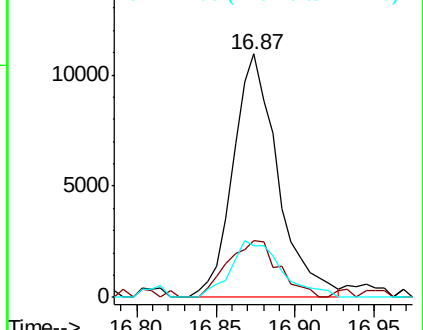
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.112 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion:276 Resp: 21495
Ion Ratio Lower Upper
276 100
138 26.5 20.7 31.1
277 26.4 19.8 29.8

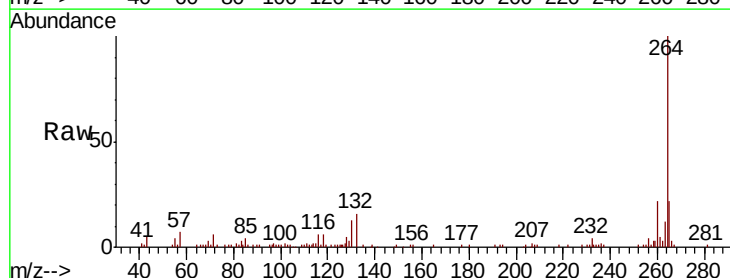


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

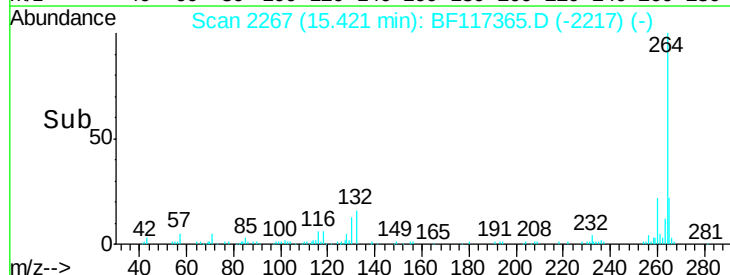
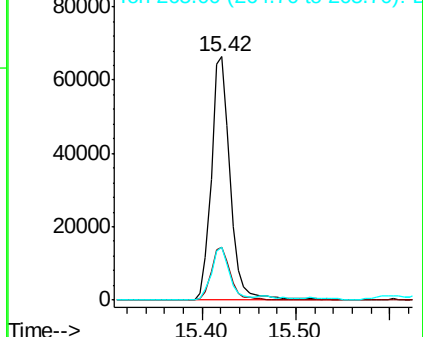


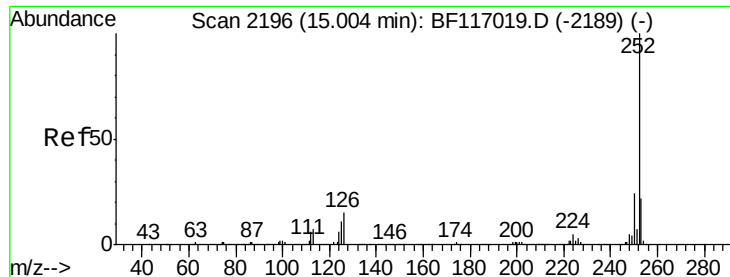
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:264 Resp: 94217
Ion Ratio Lower Upper
264 100
260 22.0 17.6 26.4
265 21.7 16.6 24.8



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

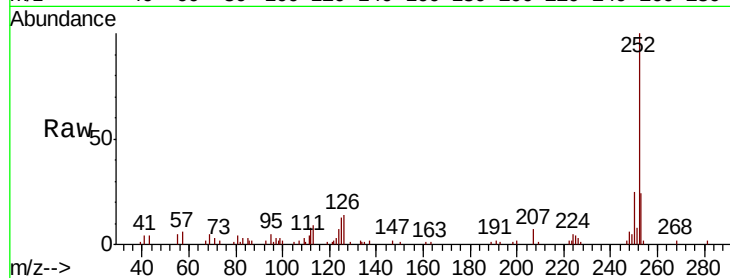




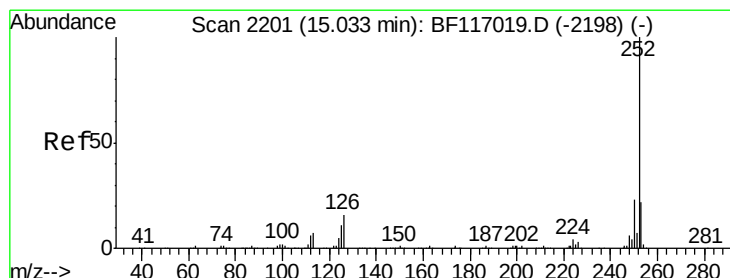
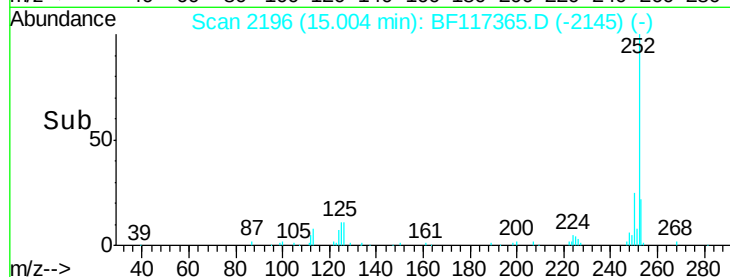
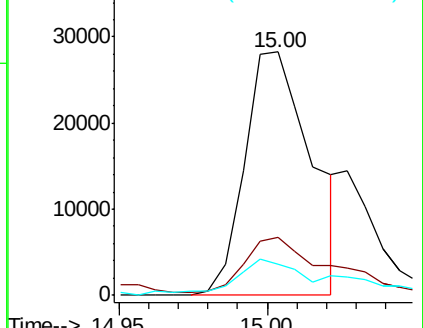
#88
Benzo(b)fluoranthene
Concen: 7.762 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion:252 Resp: 44299
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.6 8.6 12.8

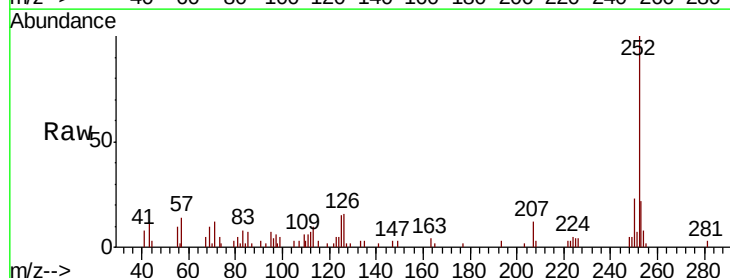


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

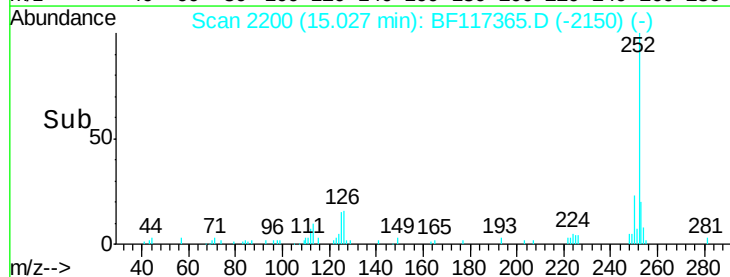
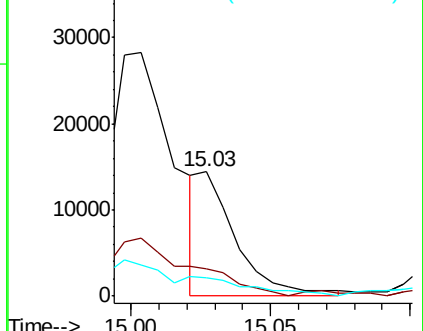


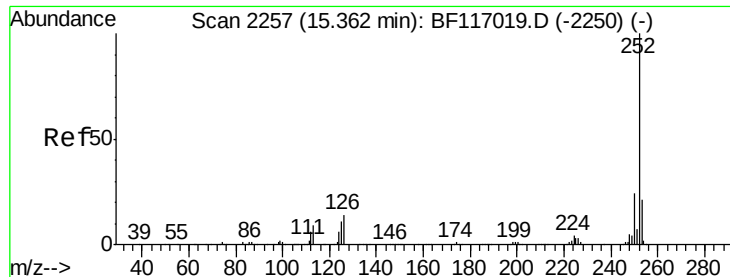
#89
Benzo(k)fluoranthene
Concen: 2.448 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117365.D
Acq: 10 Oct 2019 17:35

Tgt Ion:252 Resp: 13234
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 14.8 8.8 13.2#



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





#90

Benzo(a)pyrene

Concen: 6.111 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

Instrument :

BNA_F

ClientSampleId :

TP-3

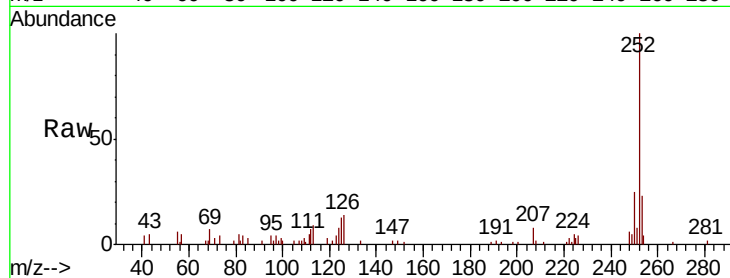
Tot Ion:252 Resp: 30605

Ion Ratio Lower Upper

252 100

253 23.2 16.6 25.0

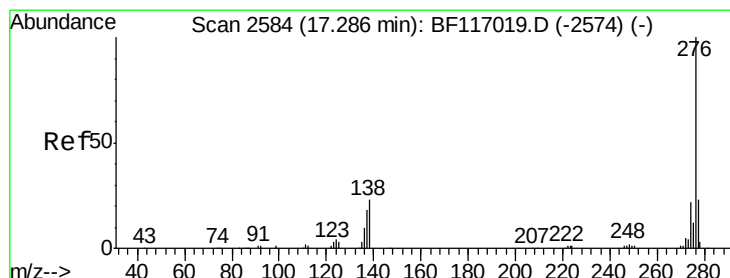
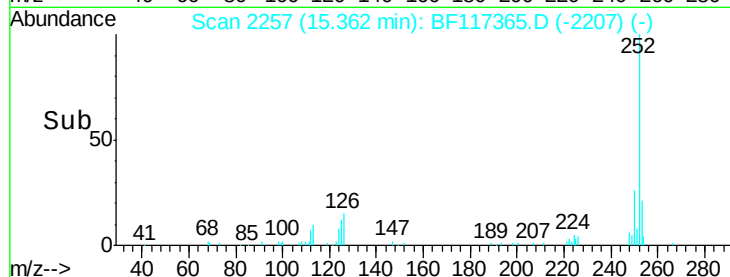
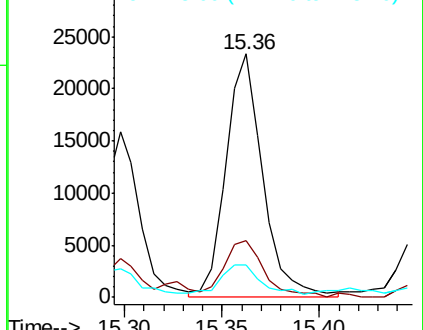
125 13.4 8.9 13.3#



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: 4.825 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.01 min

Lab File: BF117365.D

Acq: 10 Oct 2019 17:35

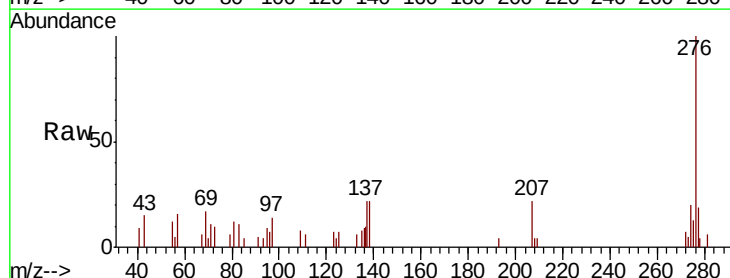
Tgt Ion:276 Resp: 19183

Ion Ratio Lower Upper

276 100

277 19.2 18.6 27.8

138 22.2 18.0 27.0



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

