

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119747.D
 Acq On : 4 Apr 2020 6:14
 Operator : MA/SJ
 Sample : L2129-16
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Apr 04 06:47:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	198291	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	742730	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	358754	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	597746	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	384544	20.00	ng	-0.02
87) Perylene-d12	15.43	264	398724	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1947899	156.38	ng	0.01
7) Phenol-d6	6.44	99	2510091	157.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	1554979	113.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	594737	160.69	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2485858	102.65	ng	-0.01
79) Terphenyl-d14	12.93	244	2018806	102.86	ng	-0.01

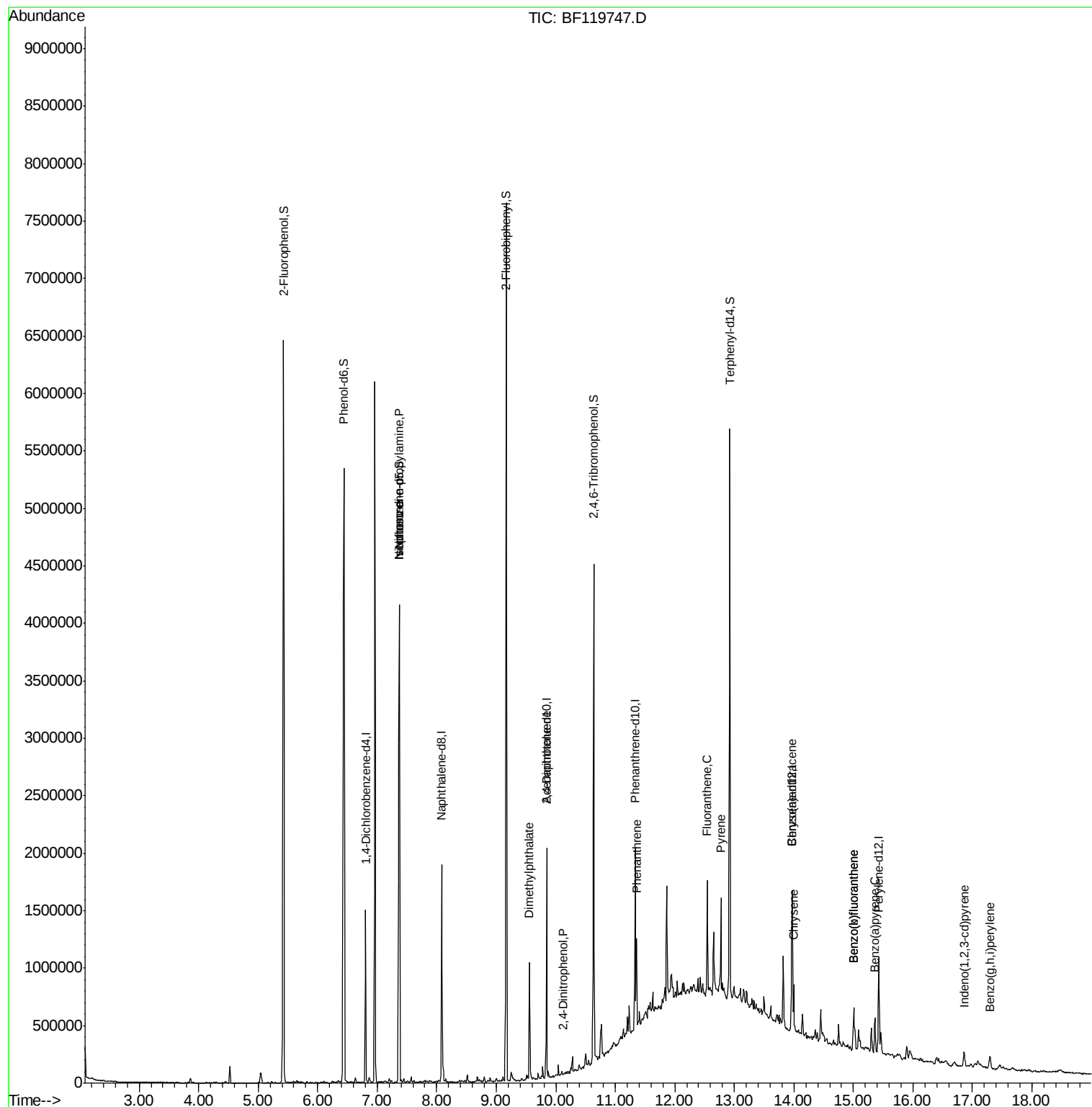
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	208049	21.69	ng	# 74
25) Isophorone	7.37	82	1553170	56.03	ng	# 65
50) Dimethylphthalate	9.56	163	374566	14.70	ng	100
54) 2,4-Dinitrophenol	10.13	184	307	7.39	ng	# 21
57) 2,4-Dinitrotoluene	9.85	165	47486	6.90	ng	# 20
71) Phenanthrene	11.36	178	282647	9.12	ng	97
75) Fluoranthene	12.54	202	369861	11.03	ng	97
78) Pyrene	12.77	202	343616	10.89	ng	98
81) Benzo(a)anthracene	13.96	228	144917	5.80	ng	99
83) Chrysene	14.00	228	165521	6.41	ng	97
86) Indeno(1,2,3-cd)pyrene	16.86	276	82887	3.41	ng	95
88) Benzo(b)fluoranthene	15.00	252	270589	10.16	ng	97
89) Benzo(k)fluoranthene	15.00	252	270589	10.67	ng	98
90) Benzo(a)pyrene	15.36	252	142818	5.90	ng	97
92) Benzo(g,h,i)perylene	17.29	276	83295	3.92	ng	97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
Data File : BF119747.D
Acq On : 4 Apr 2020 6:14
Operator : MA/SJ
Sample : L2129-16
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Time: Apr 04 06:47:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 11:59:45 2020
Response via : Initial Calibration

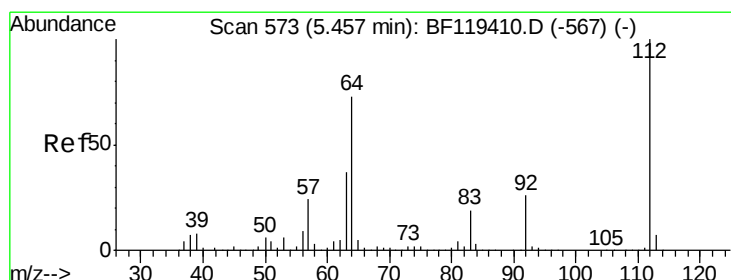
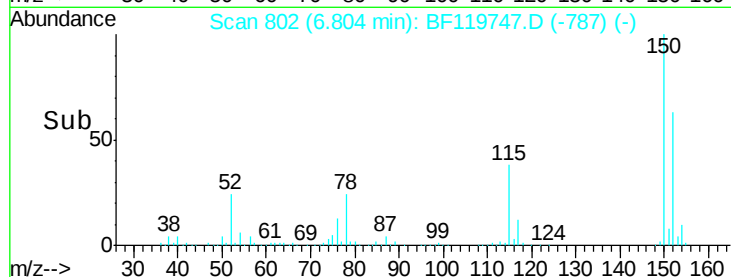
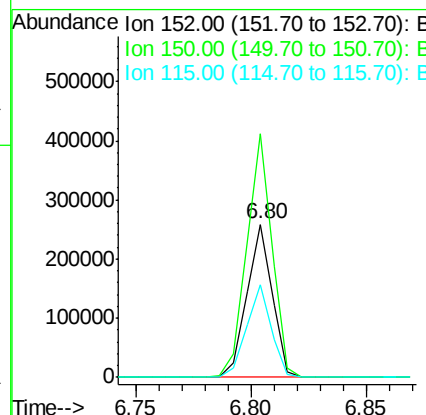
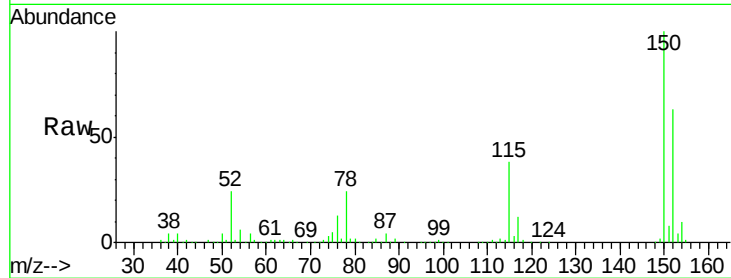




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

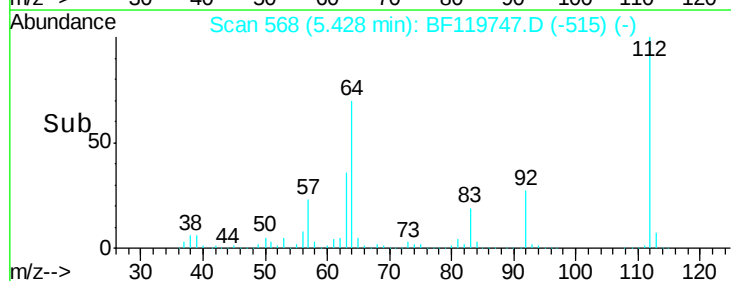
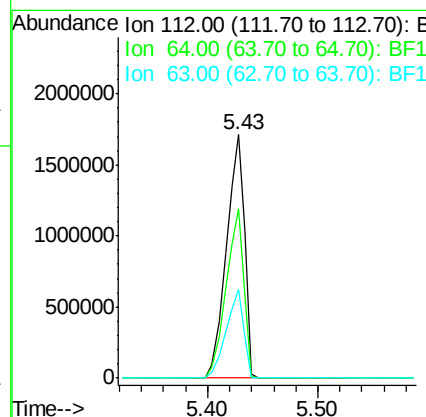
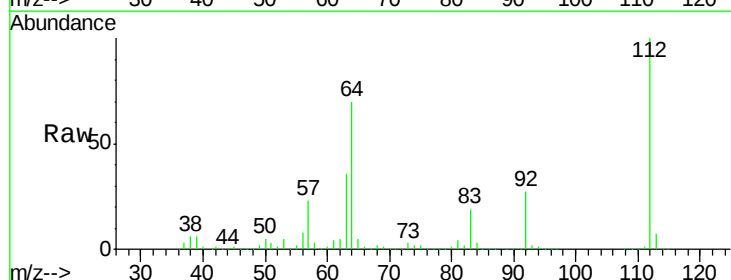
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

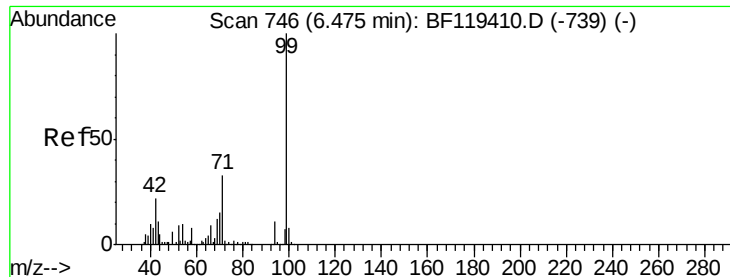
Tgt Ion:152 Resp: 198291
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.5 186.7
 115 60.4 49.6 74.4



#5
 2-Fluorophenol
 Concen: 156.38 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Tgt Ion:112 Resp: 1947899
 Ion Ratio Lower Upper
 112 100
 64 69.8 56.7 85.1
 63 36.2 29.5 44.3





#7

Phenol-d6

Concen: 157.75 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampleId :

TP-4

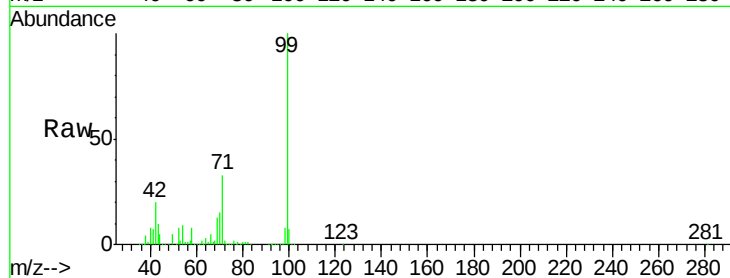
Tgt Ion: 99 Resp: 2510091

Ion Ratio Lower Upper

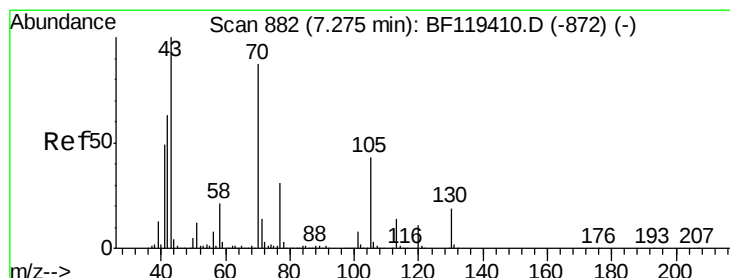
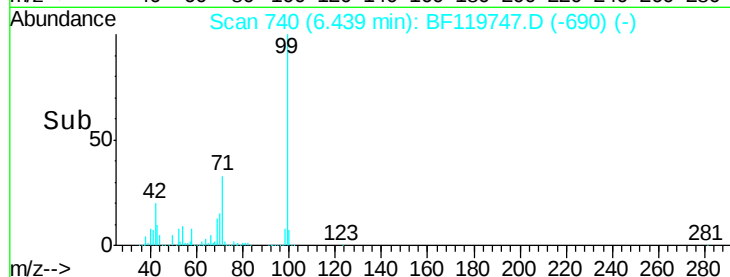
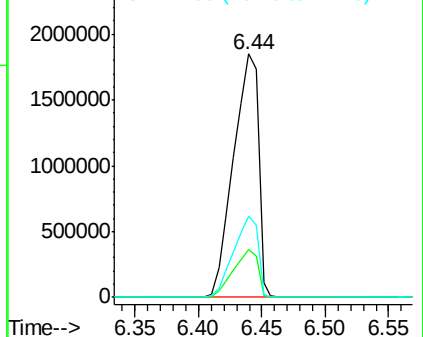
99 100

42 19.8 16.6 24.8

71 33.3 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 21.69 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Tgt Ion: 70 Resp: 208049

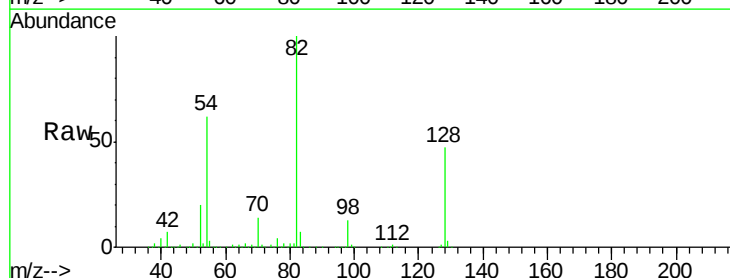
Ion Ratio Lower Upper

70 100

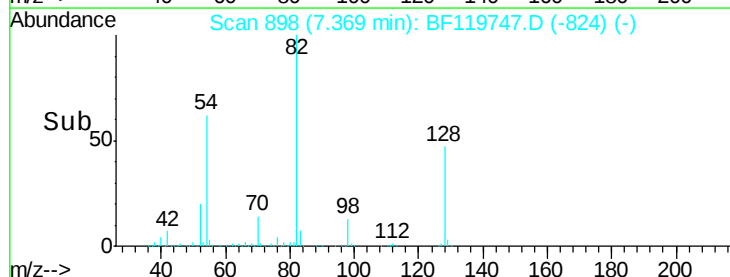
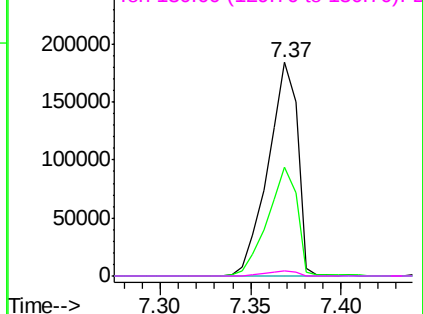
42 51.3 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampled :

TP-4

Tgt Ion:136 Resp: 742730

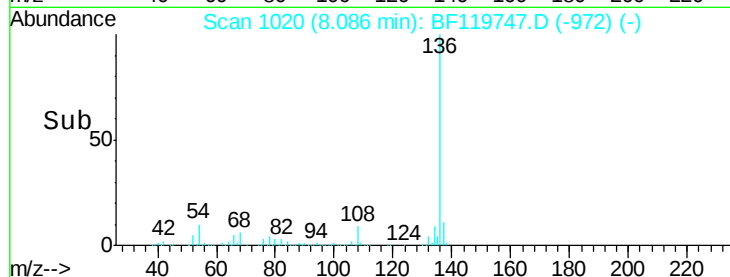
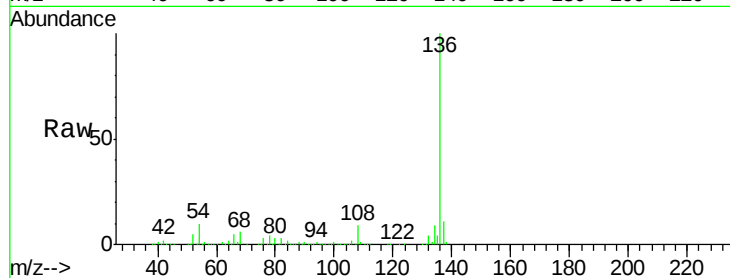
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.0 9.1 13.7

68 5.6 4.6 6.8

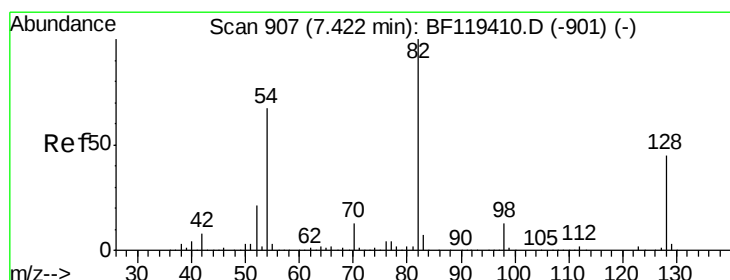
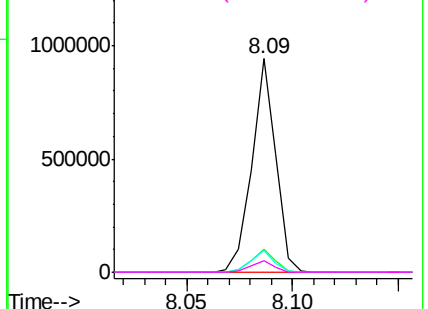


Abundance Ion 136.00 (135.70 to 136.70): E

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: 113.78 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

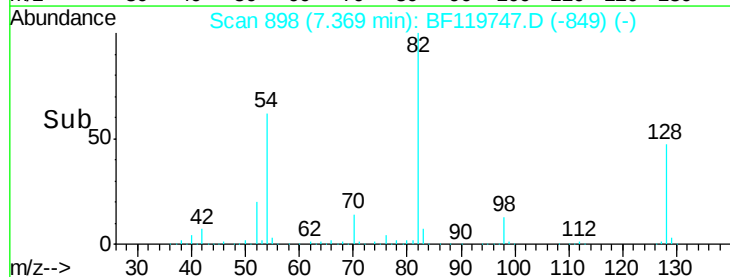
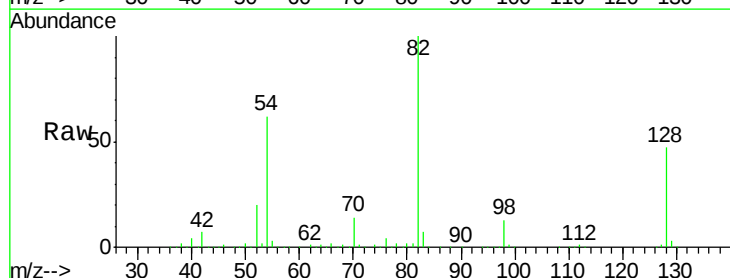
Tgt Ion: 82 Resp: 1554979

Ion Ratio Lower Upper

82 100

128 47.1 36.3 54.5

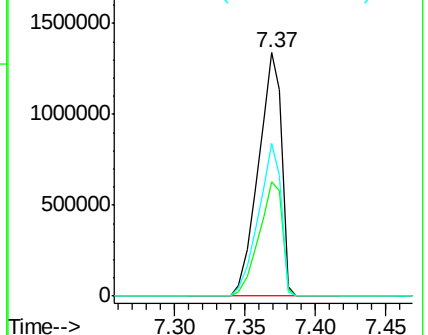
54 62.5 50.6 75.8



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: 56.03 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampleId :

TP-4

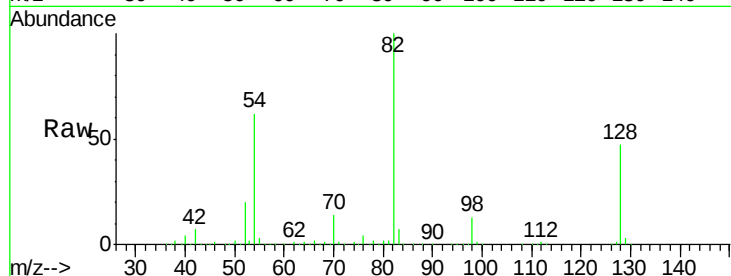
Tgt Ion: 82 Resp: 1553170

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

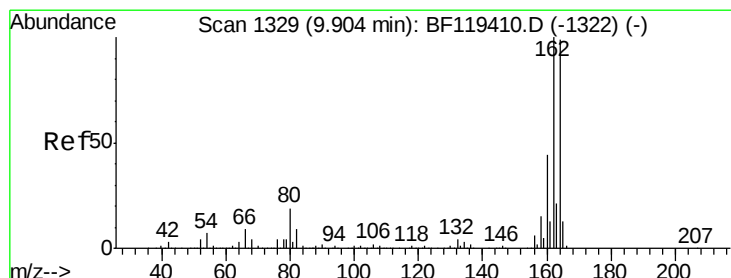
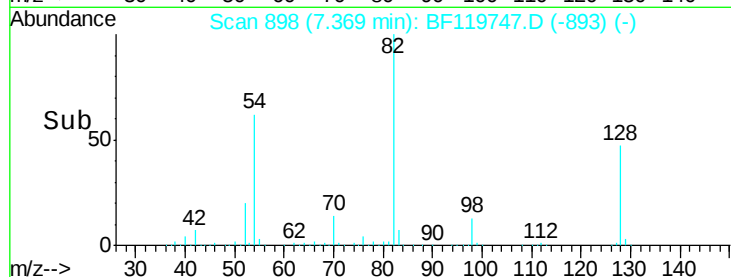
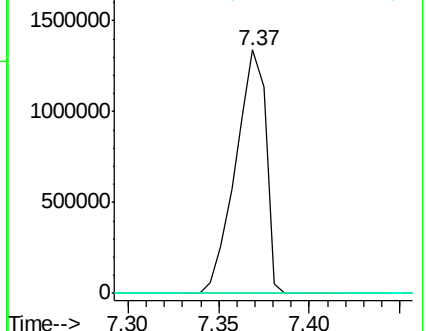
138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

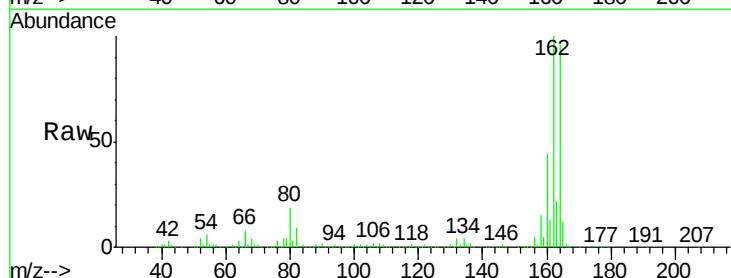
Tgt Ion: 164 Resp: 358754

Ion Ratio Lower Upper

164 100

162 103.7 80.6 121.0

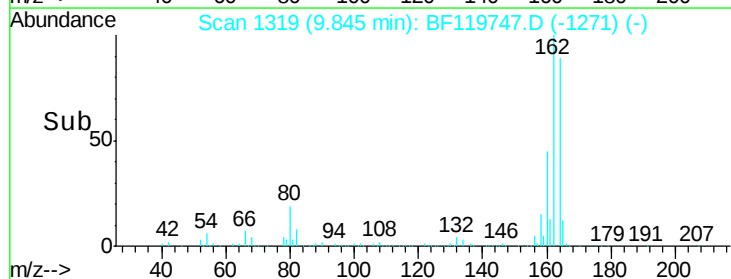
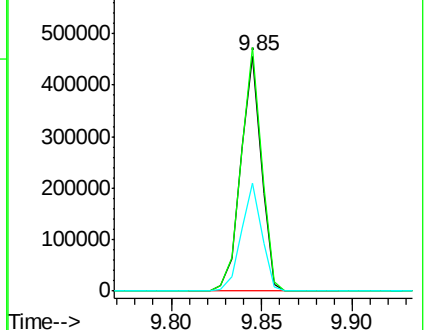
160 46.1 35.7 53.5

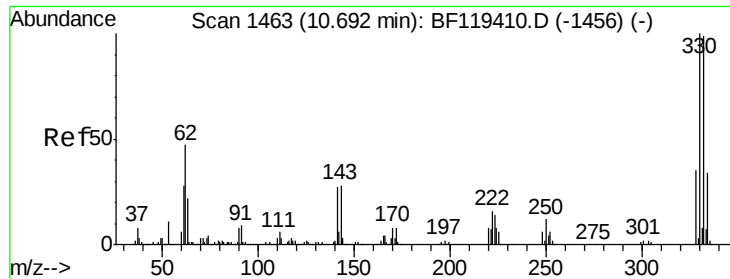


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

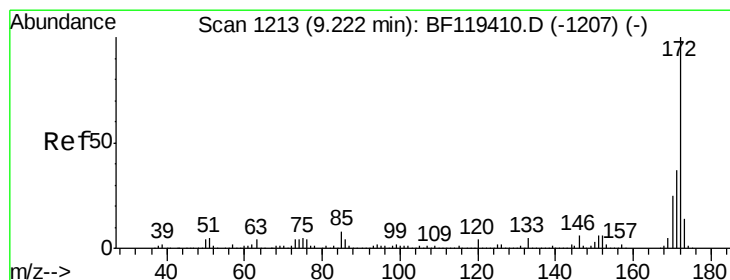
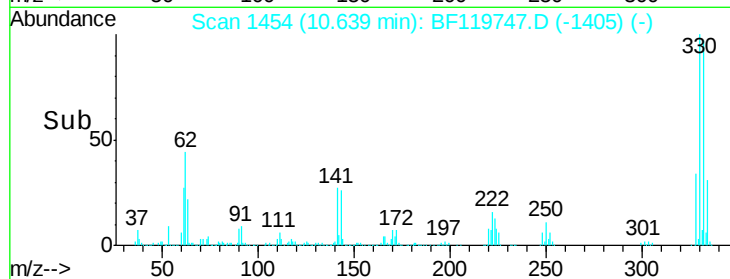
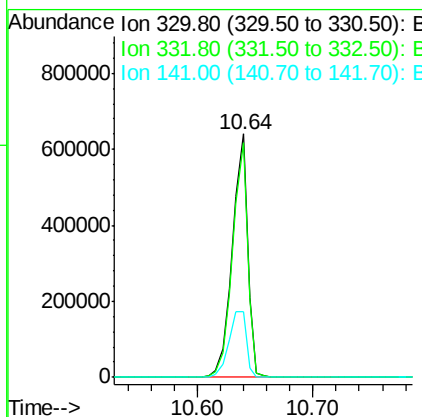
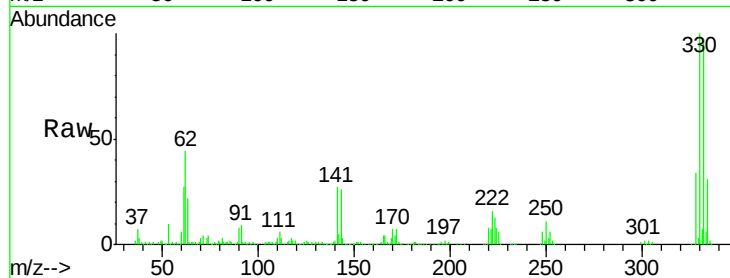




#42
 2,4,6-Tribromophenol
 Concen: 160.69 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

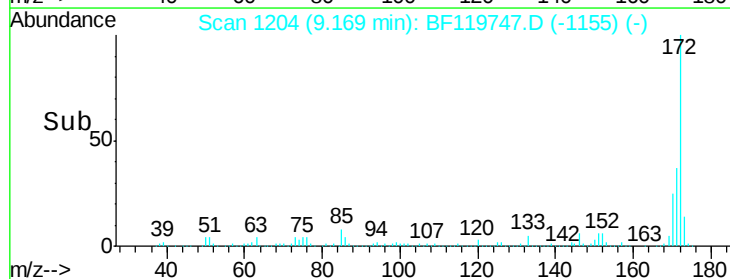
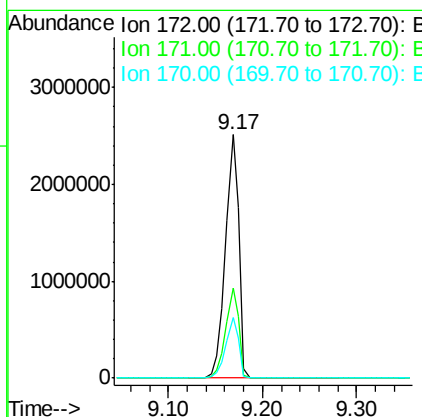
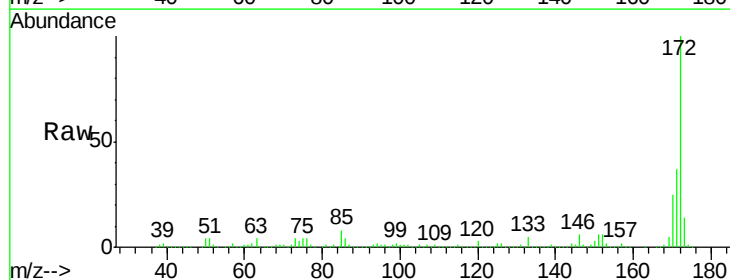
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

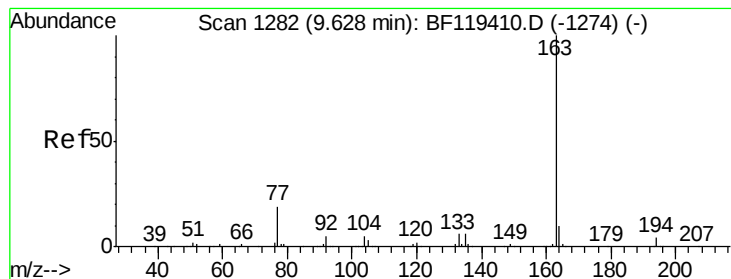
Tgt Ion:330 Resp: 594737
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.7 113.5
 141 30.5 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 102.65 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Tgt Ion:172 Resp: 2485858
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.6 44.4
 170 24.6 20.2 30.2





#50

Dimethylphthalate

Concen: 14.70 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampled :

TP-4

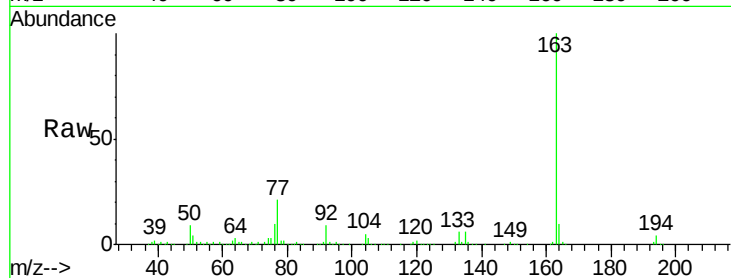
Tgt Ion:163 Resp: 374566

Ion Ratio Lower Upper

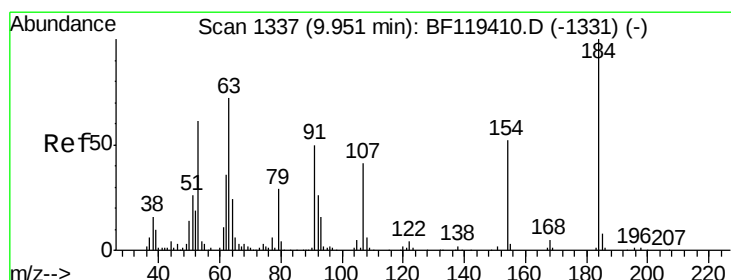
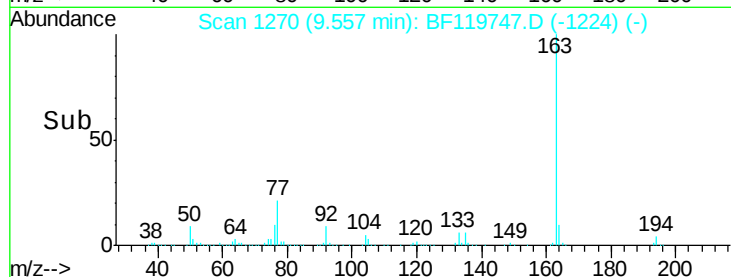
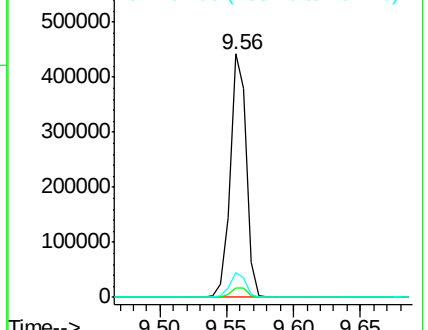
163 100

194 3.9 3.1 4.7

164 10.3 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 7.39 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.21 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

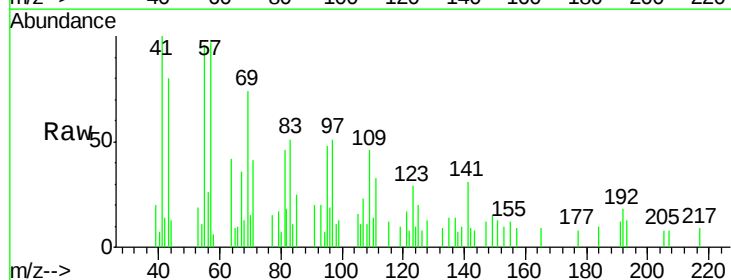
Tgt Ion:184 Resp: 307

Ion Ratio Lower Upper

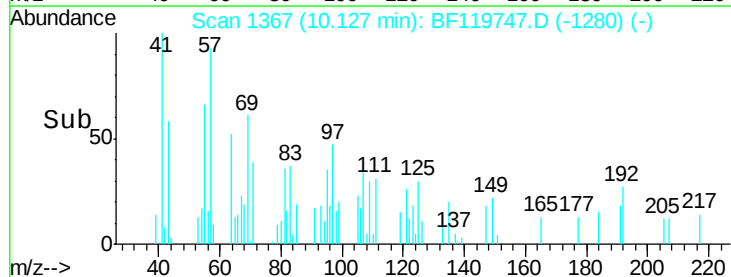
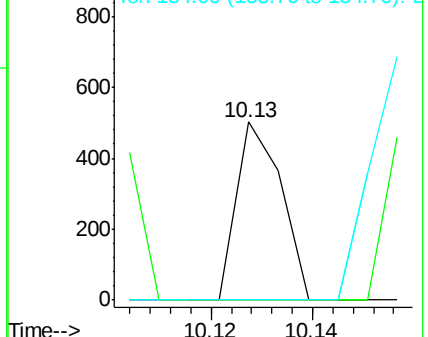
184 100

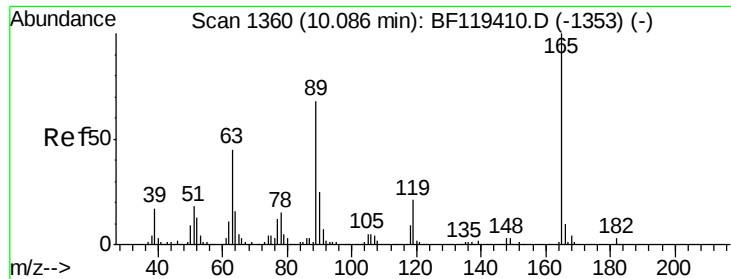
63 0.0 50.2 75.4#

154 0.0 44.5 66.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

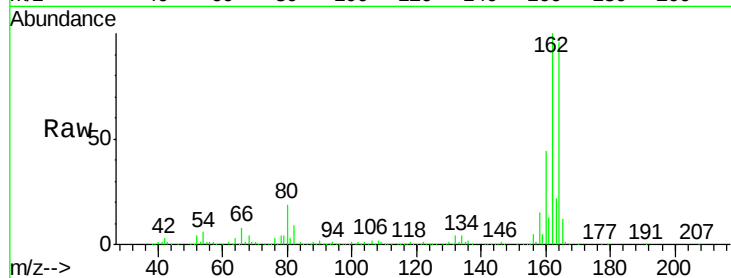




#57
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.6	64.0#
89	1.2	61.0	91.4#
182	0.0	2.2	3.2#

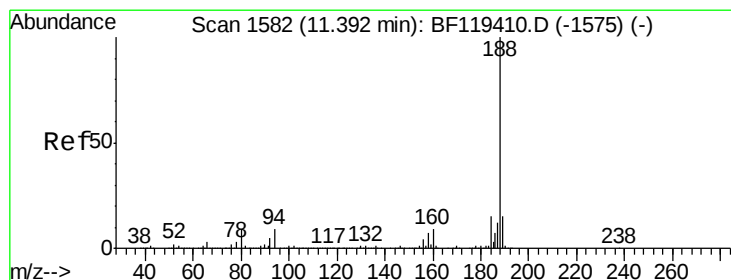
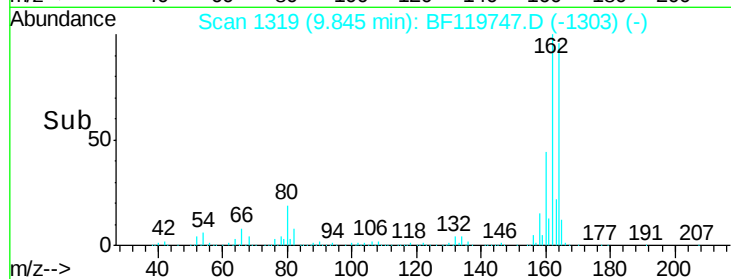
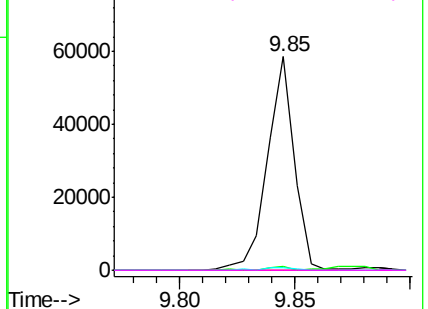


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

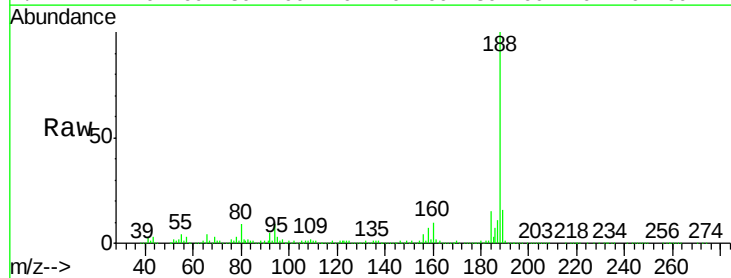
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

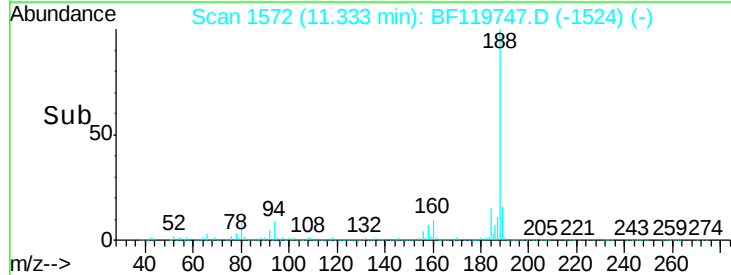
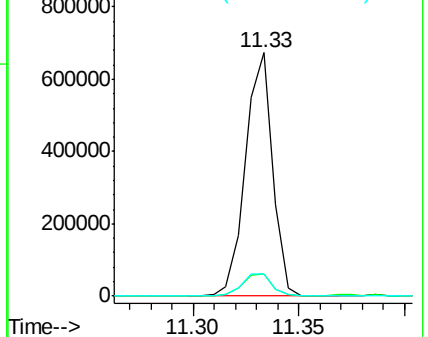
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.5	11.3
80	9.3	9.0	13.4

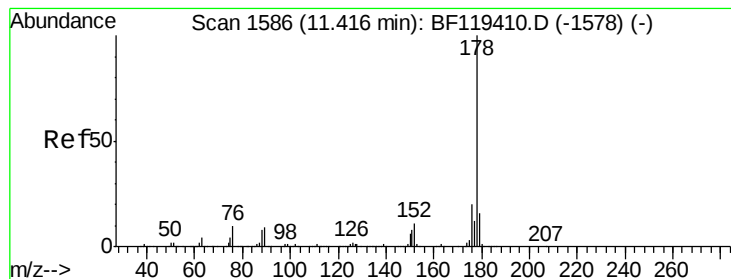


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 9.12 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampled :

TP-4

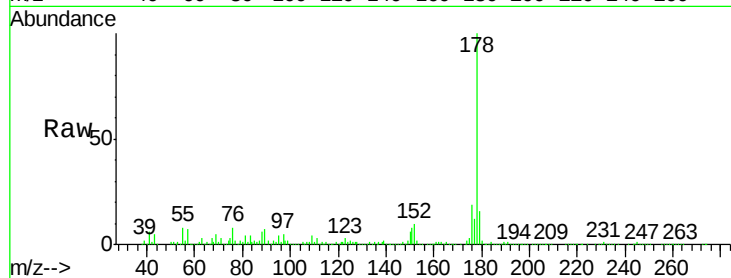
Tgt Ion:178 Resp: 282647

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

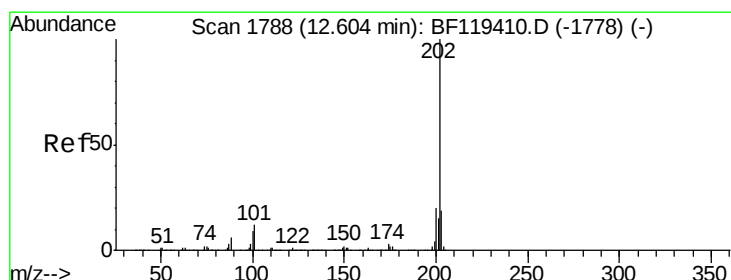
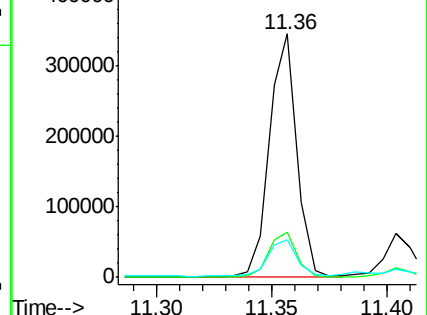
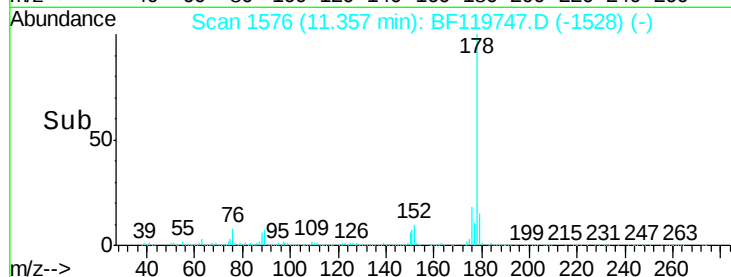
179 15.6 13.2 19.8



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



#75

Fluoranthene

Concen: 11.03 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

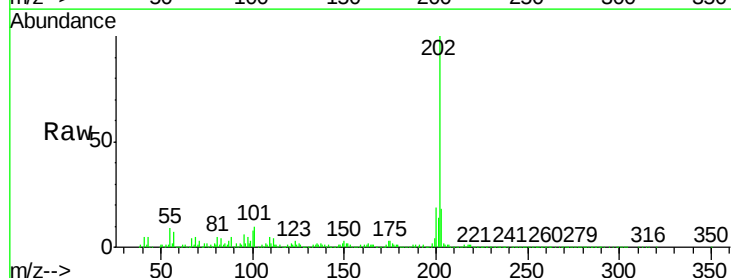
Tgt Ion:202 Resp: 369861

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.2

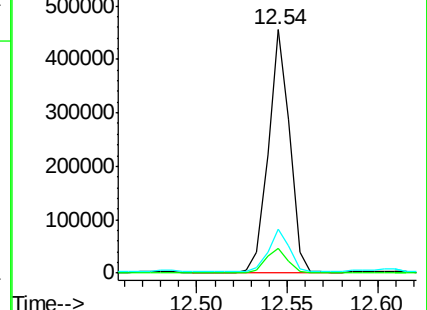
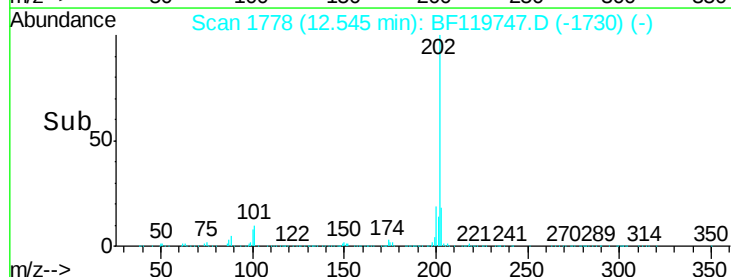
203 18.3 0.0 38.8

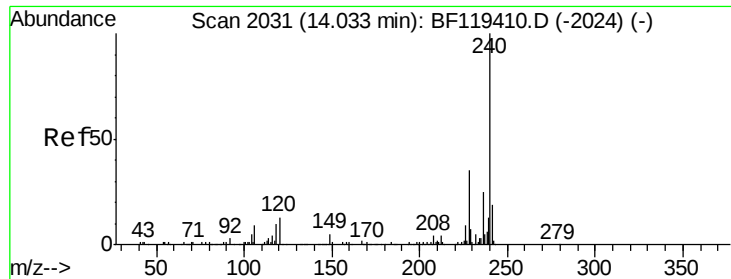


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

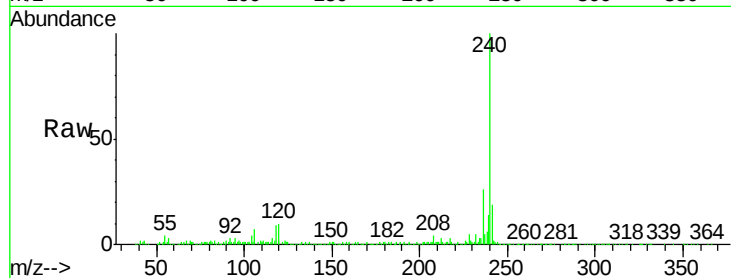




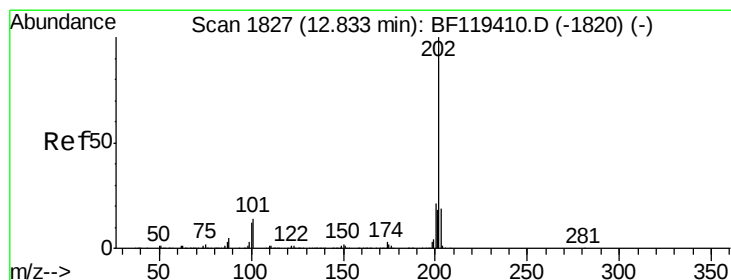
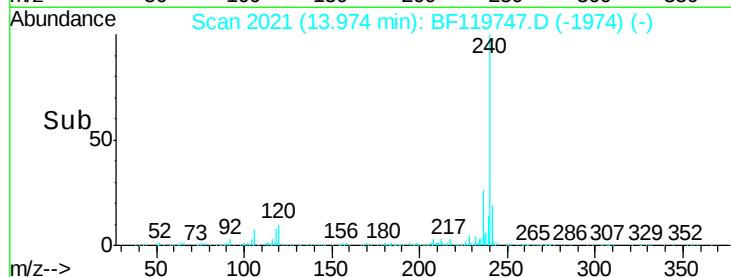
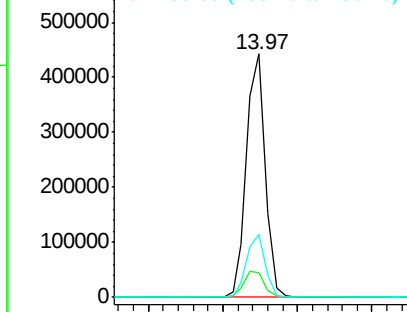
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:240 Resp: 384544
Ion Ratio Lower Upper
240 100
120 10.2 10.6 15.8#
236 26.1 20.2 30.2

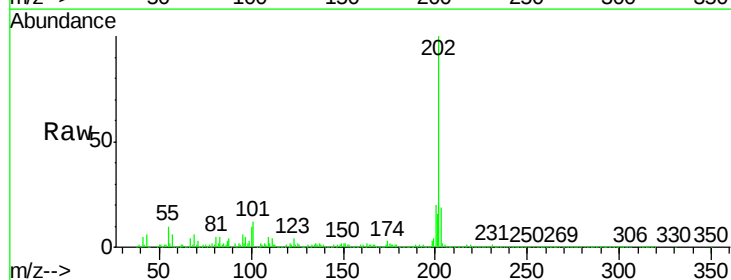


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

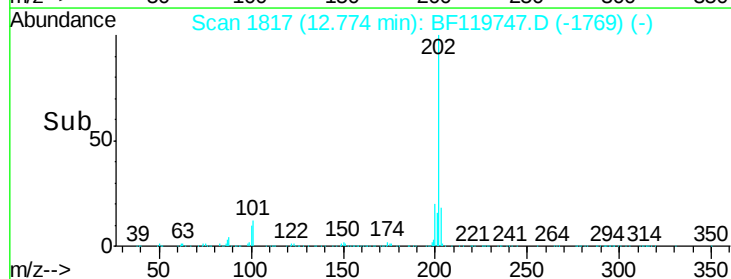
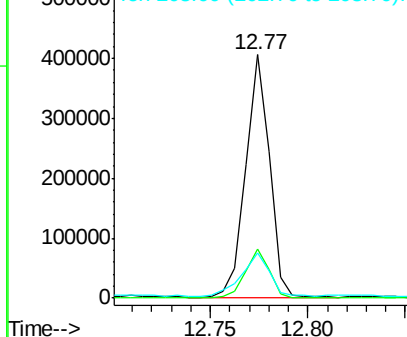


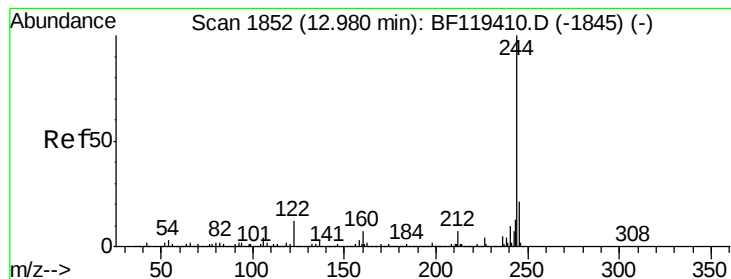
#78
Pyrene
Concen: 10.89 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion:202 Resp: 343616
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 18.5 15.1 22.7



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: 102.86 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampleId :

TP-4

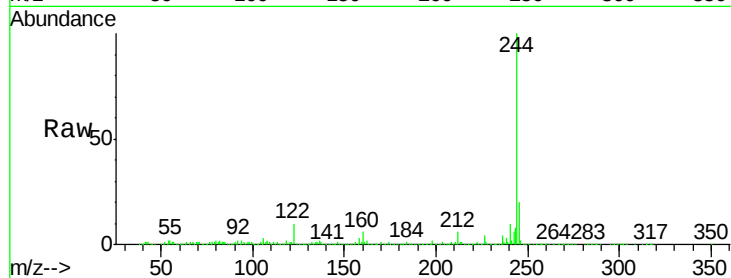
Tgt Ion:244 Resp: 2018806

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

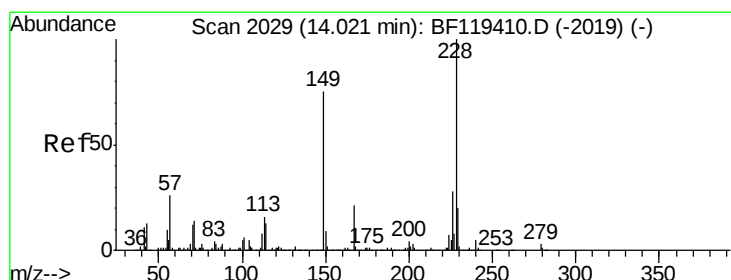
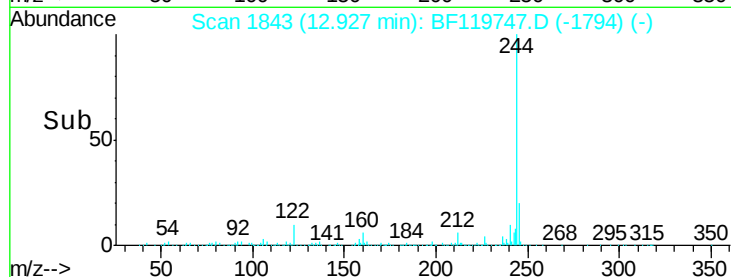
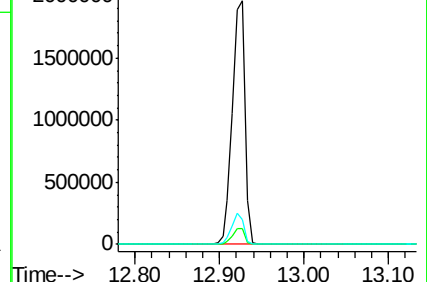
122 10.1 10.3 15.5#



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: 5.80 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

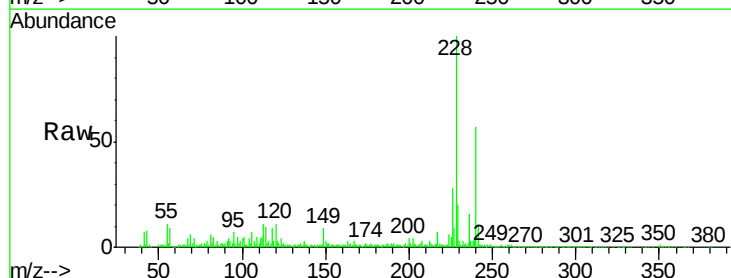
Tgt Ion:228 Resp: 144917

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.8

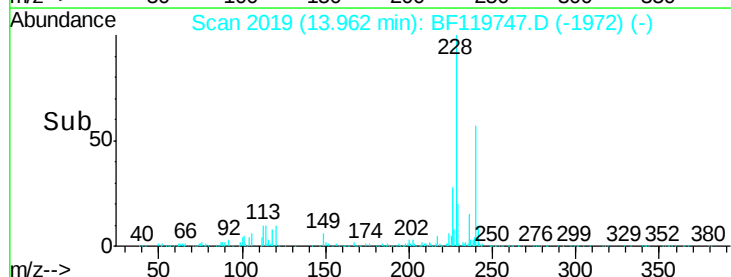
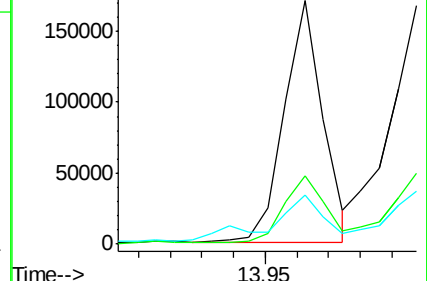
229 20.3 16.2 24.4

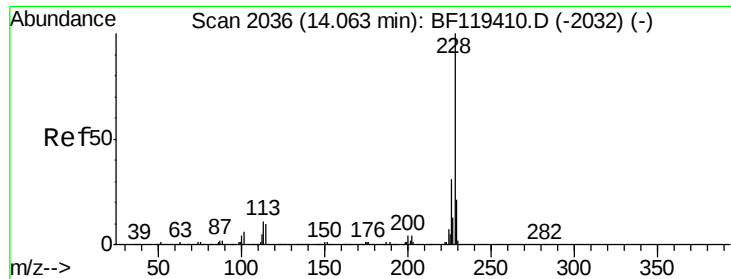


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.41 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

Instrument :

BNA_F

ClientSampleId :

TP-4

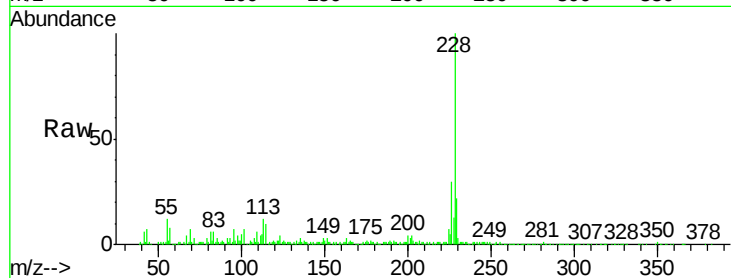
Tgt Ion:228 Resp: 165521

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

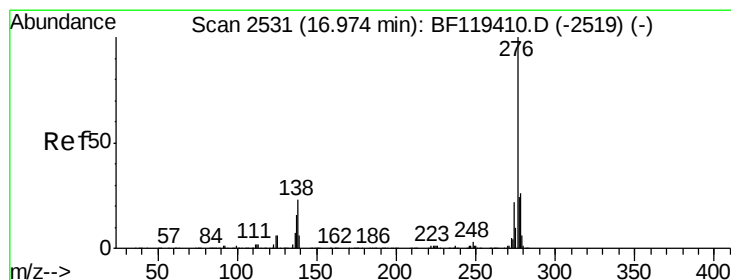
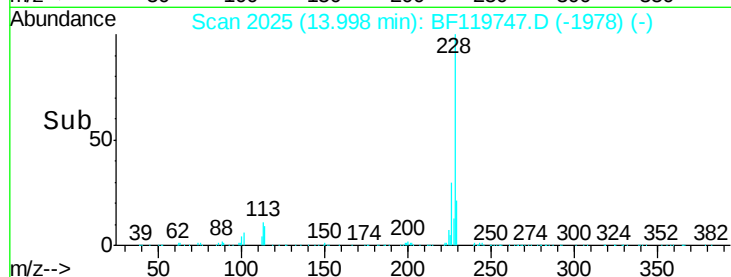
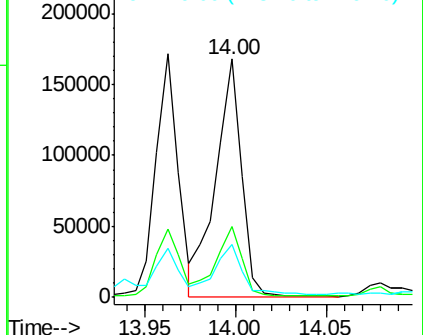
229 22.1 16.6 24.8



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: 3.41 ng

RT: 16.86 min Scan# 2511

Delta R.T. -0.06 min

Lab File: BF119747.D

Acq: 4 Apr 2020 6:14

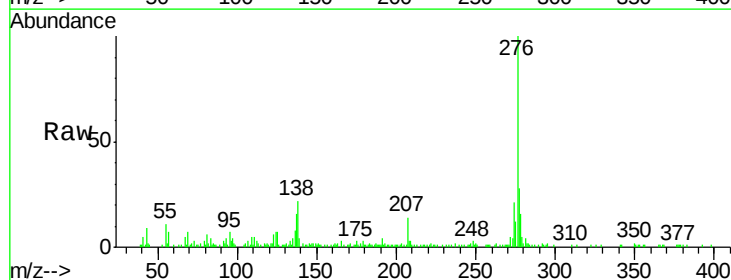
Tgt Ion:276 Resp: 82887

Ion Ratio Lower Upper

276 100

138 20.6 19.6 29.4

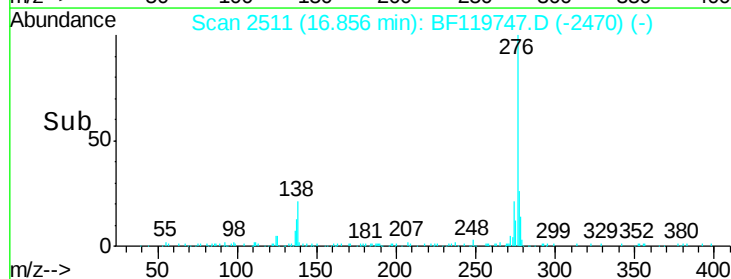
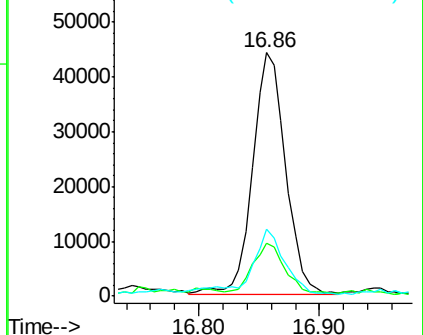
277 24.1 20.0 30.0

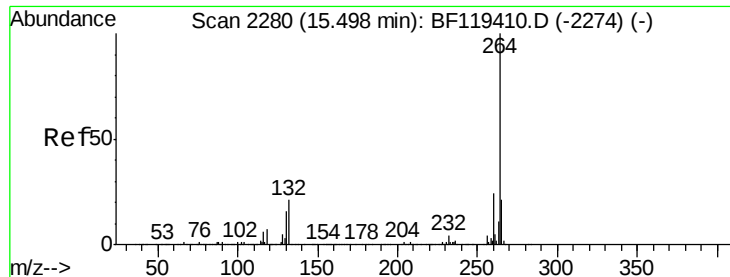


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

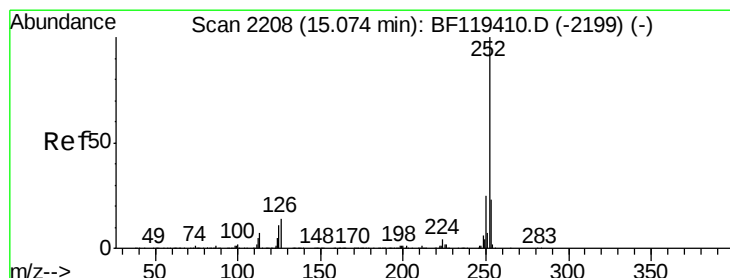
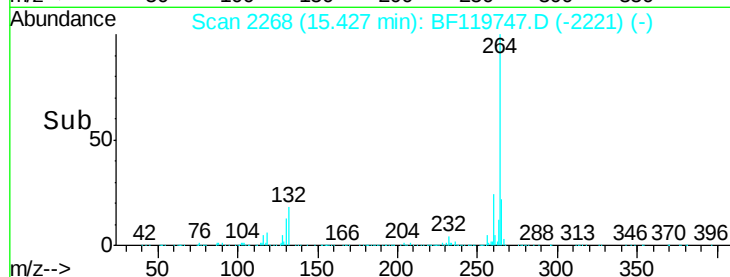
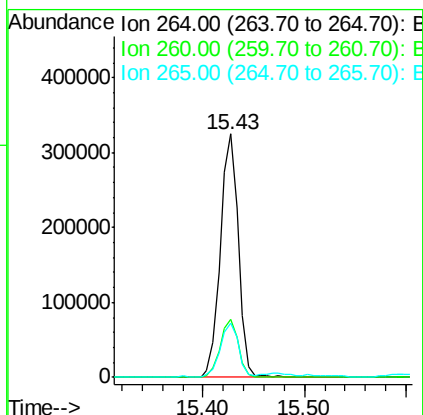
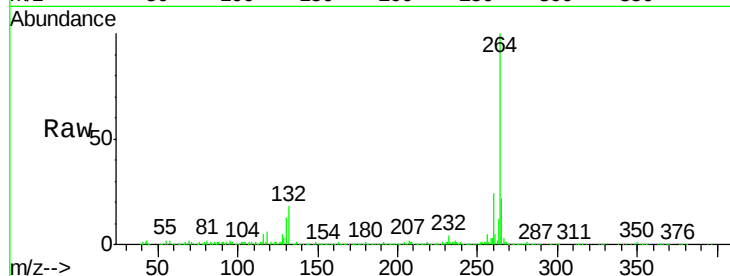




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

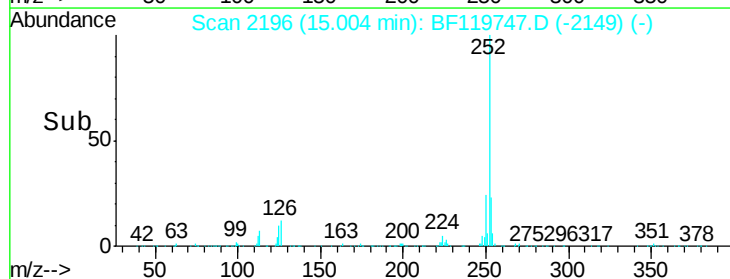
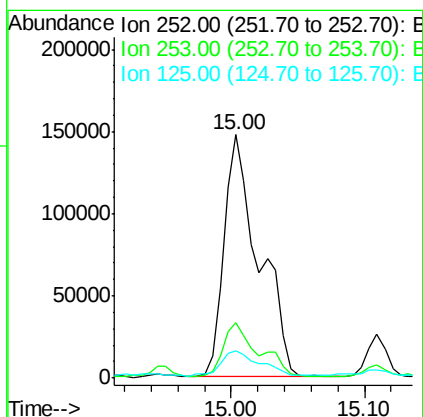
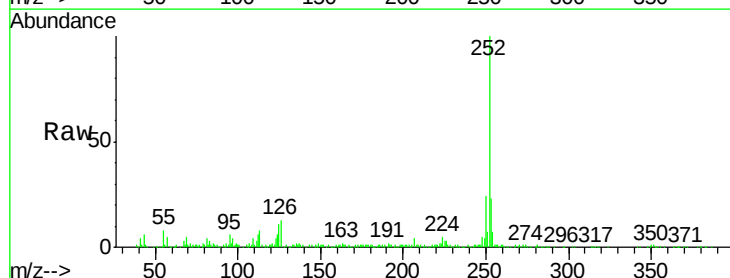
Instrument :
BNA_F
ClientSampleId :
TP-4

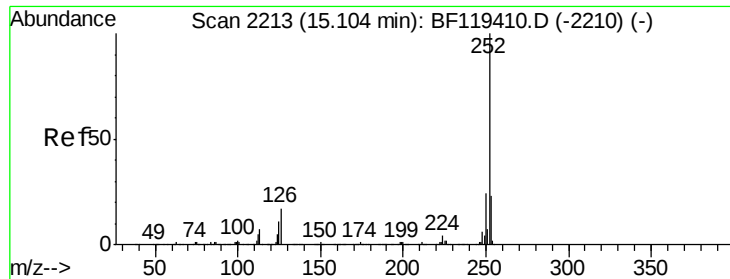
Tgt Ion:264 Resp: 398724
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.1 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 10.16 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion:252 Resp: 270589
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.2 7.9 11.9

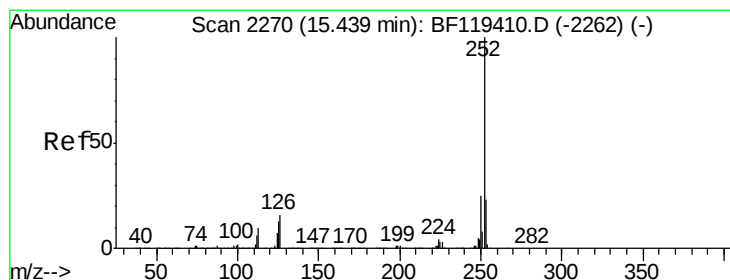
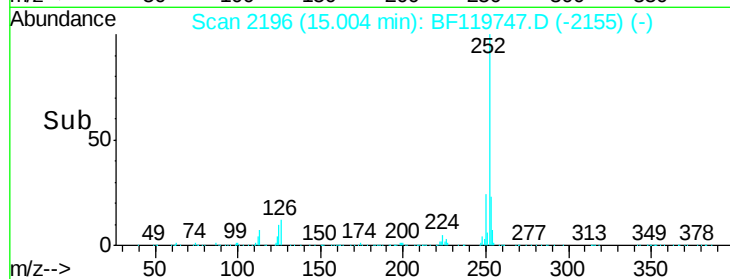
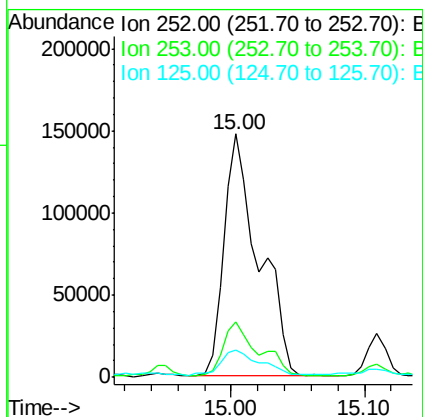
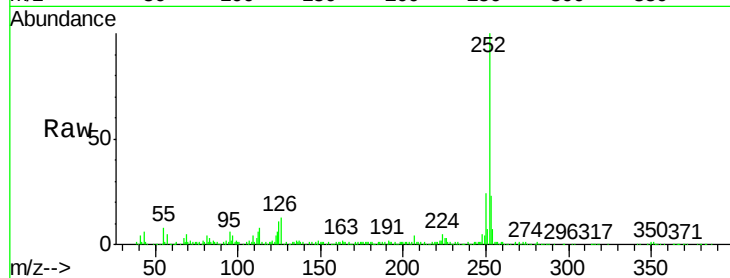




#89
Benzo(k)fluoranthene
Concen: 10.67 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.06 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

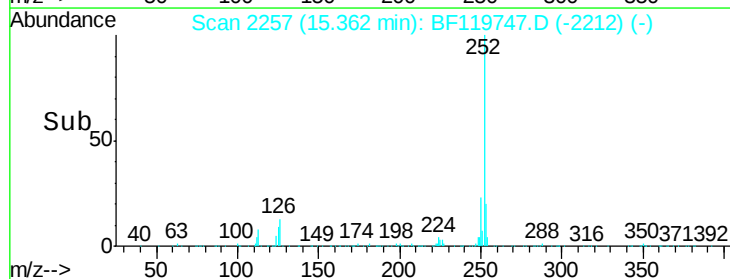
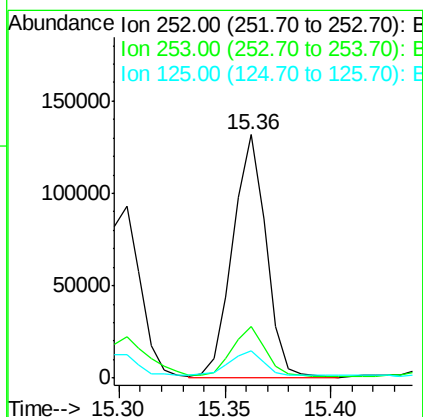
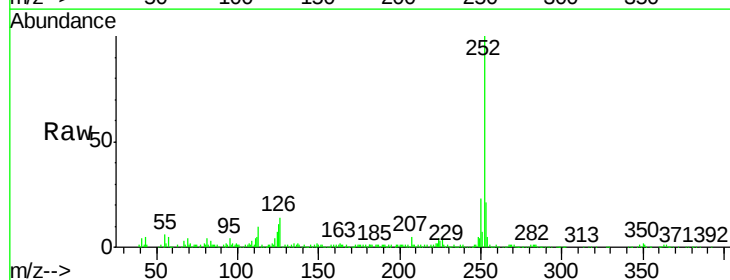
Instrument :
BNA_F
ClientSampleId :
TP-4

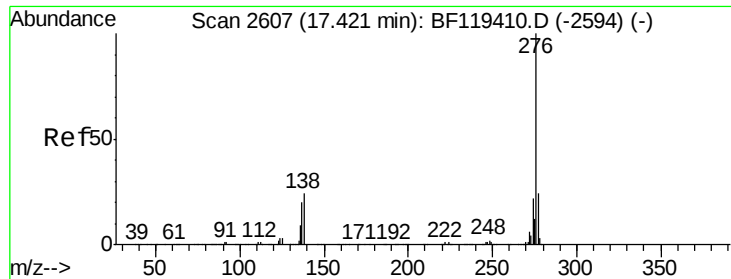
Tgt Ion:252 Resp: 270589
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 11.2 8.4 12.6



#90
Benzo(a)pyrene
Concen: 5.90 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF119747.D
Acq: 4 Apr 2020 6:14

Tgt Ion:252 Resp: 142818
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.2
125 11.0 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.92 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. -0.06 min
 Lab File: BF119747.D
 Acq: 4 Apr 2020 6:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.4	27.6
138	22.3	15.4	23.0

