

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110474.D
 Acq On : 5 Nov 2018 19:24
 Operator : JU/SJ
 Sample : J5771-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-B

Quant Time: Nov 06 00:54:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	111078	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	462630	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	195744	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	295340	20.00	ng	0.00
76) Chrysene-d12	14.13	240	205611	20.00	ng	0.00
87) Perylene-d12	15.66	264	174981	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	242675	35.58	ng	0.00
7) Phenol-d6	6.57	99	318546	36.51	ng	0.00
23) Nitrobenzene-d5	7.52	82	195533	25.07	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	58673	30.26	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	366633	29.41	ng	0.00
79) Terphenyl-d14	13.07	244	234066	23.68	ng	0.00

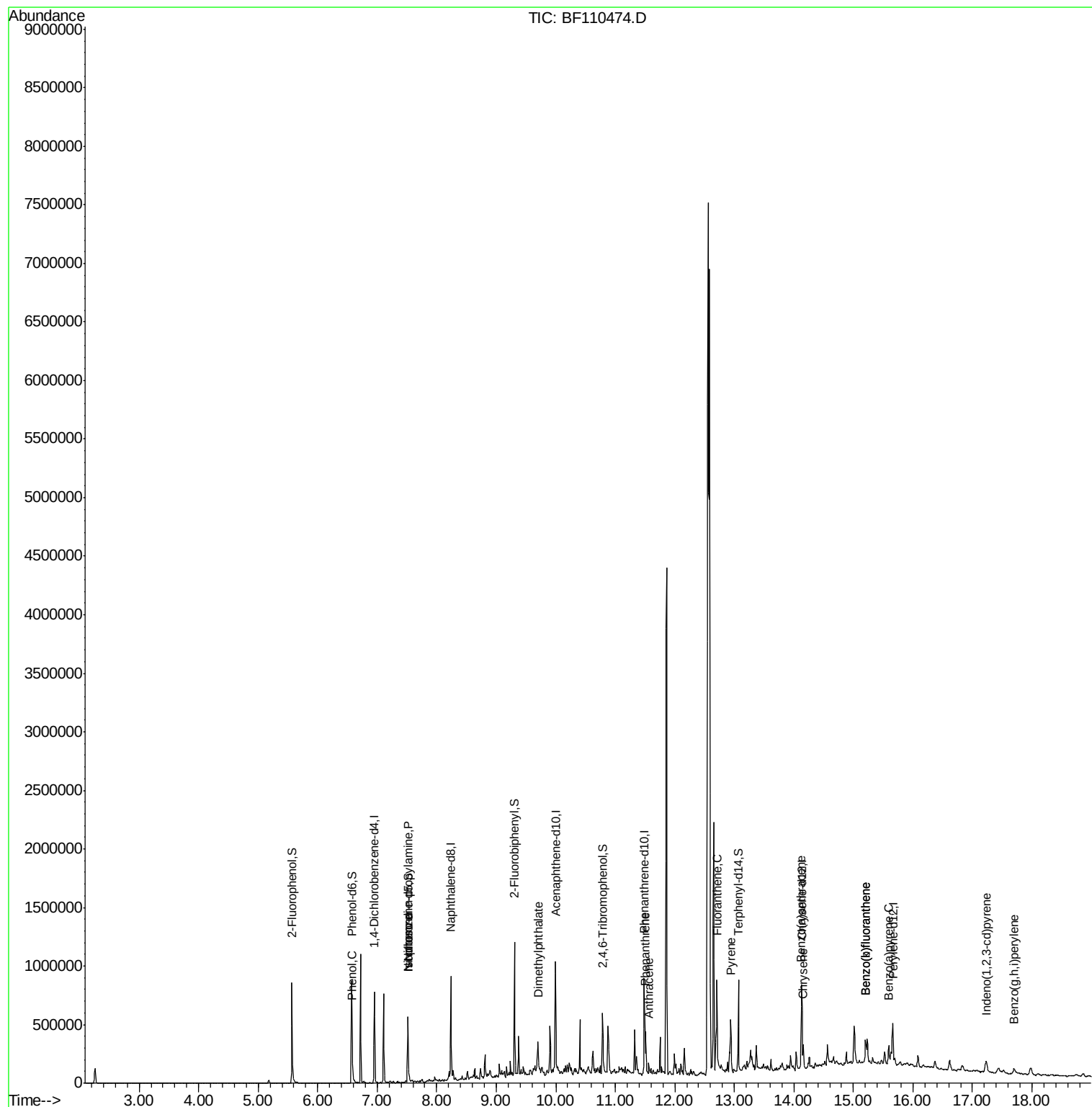
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	746	Below Cal	#	1
10) Phenol	6.59	94	24153	2.590 ng	#	67
19) n-Nitroso-di-n-propylamine	7.52	70	26744	4.778 ng	#	80
25) Isophorone	7.52	82	195532	14.707 ng	#	67
50) Dimethylphthalate	9.70	163	56623	3.919 ng		100
71) Phenanthrene	11.51	178	122850	7.950 ng		98
72) Anthracene	11.56	178	41075	2.652 ng		98
75) Fluoranthene	12.70	202	205045	13.074 ng		99
77) Benzidine	12.87	184	123	Below Cal	#	65
78) Pyrene	12.94	202	180601	12.252 ng		98
81) Benzo(a)anthracene	14.12	228	97482	7.995 ng		99
83) Chrysene	14.16	228	82004	7.081 ng		98
86) Indeno(1,2,3-cd)pyrene	17.23	276	40778	4.244 ng		99
88) Benzo(b)fluoranthene	15.20	252	144165	14.267 ng	#	93
89) Benzo(k)fluoranthene	15.20	252	144165	14.513 ng	#	92
90) Benzo(a)pyrene	15.59	252	77270	8.311 ng		97
92) Benzo(g,h,i)perylene	17.70	276	40363	5.106 ng		95

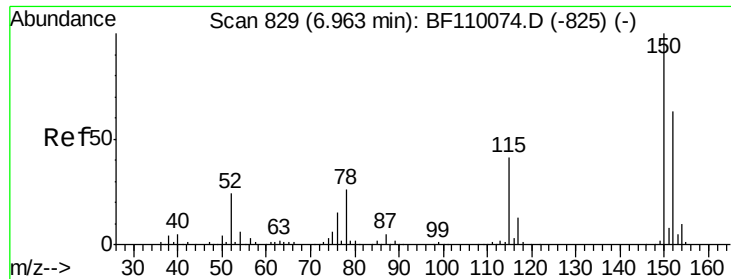
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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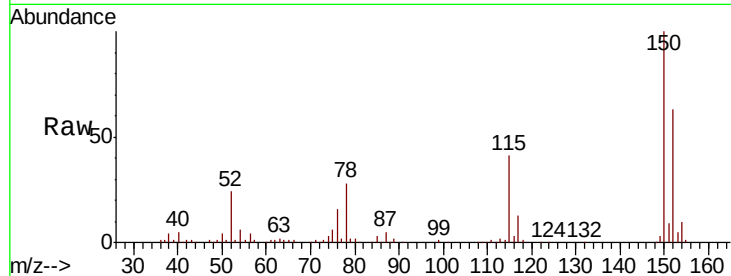




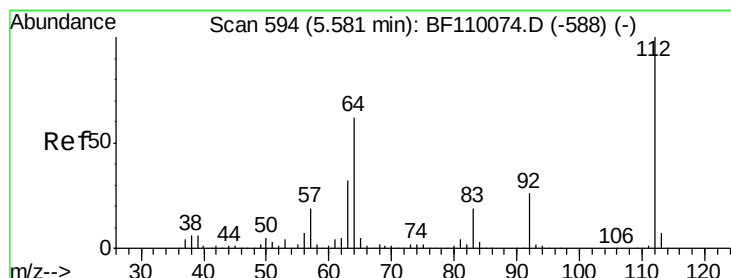
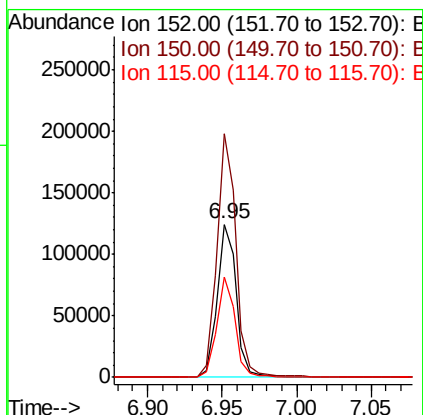
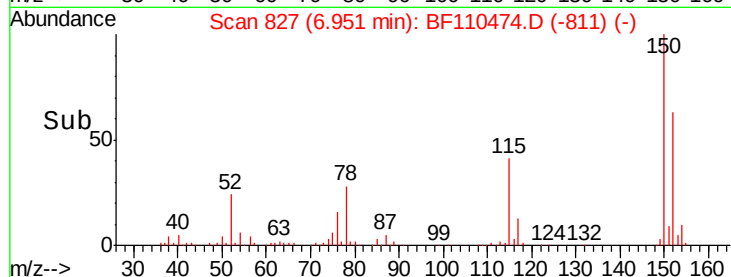
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110474.D
 Acq: 5 Nov 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-B

Tgt Ion:152 Resp: 111078
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.7 184.1
 115 65.8 49.1 73.7

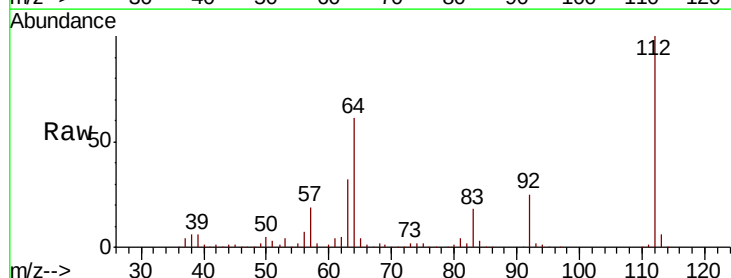


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

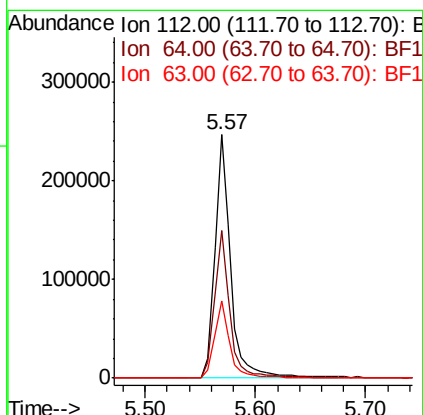
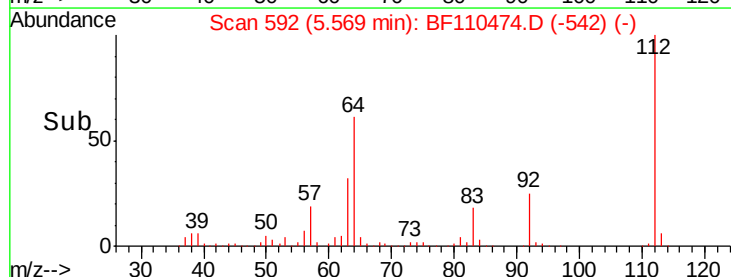


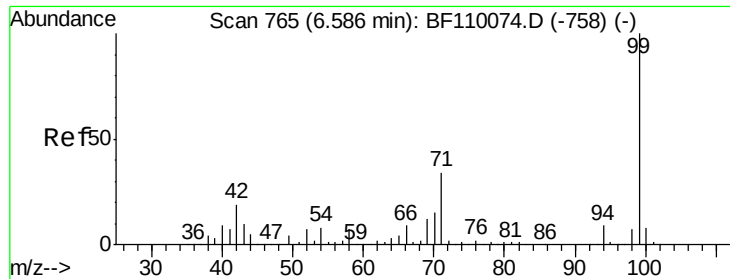
#5
 2-Fluorophenol
 Concen: 35.577 ng
 RT: 5.57 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF110474.D
 Acq: 5 Nov 2018 19:24

Tgt Ion:112 Resp: 242675
 Ion Ratio Lower Upper
 112 100
 64 60.6 44.1 66.1
 63 31.8 23.7 35.5



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: 36.511 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-B

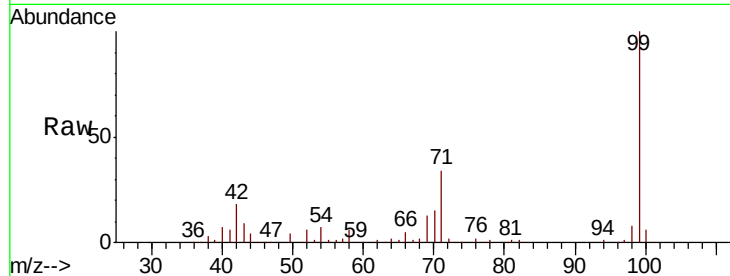
Tgt Ion: 99 Resp: 318546

Ion Ratio Lower Upper

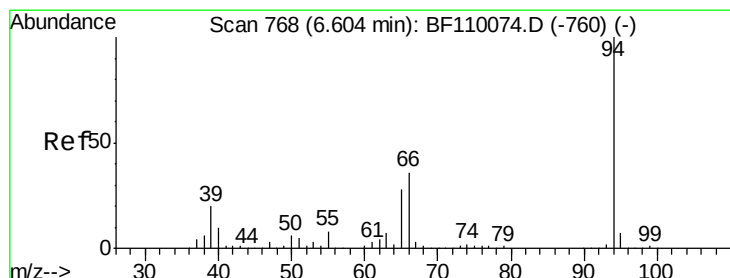
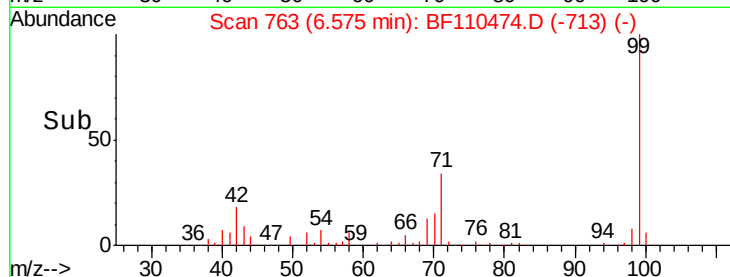
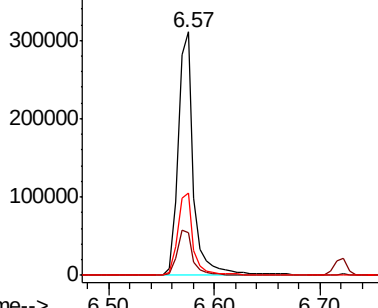
99 100

42 17.6 15.8 23.6

71 34.1 28.0 42.0



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: 2.590 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

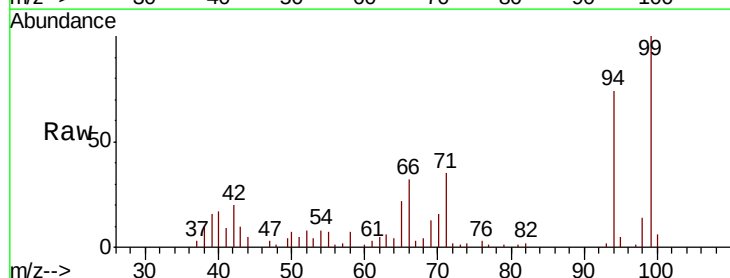
Tgt Ion: 94 Resp: 24153

Ion Ratio Lower Upper

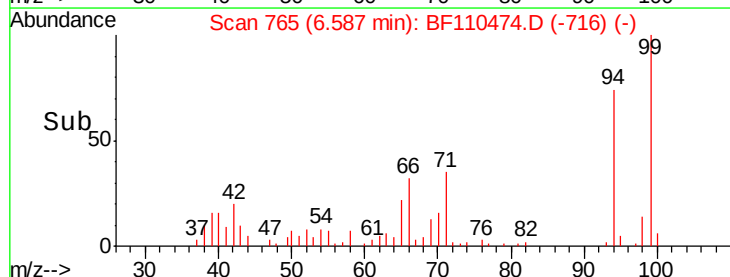
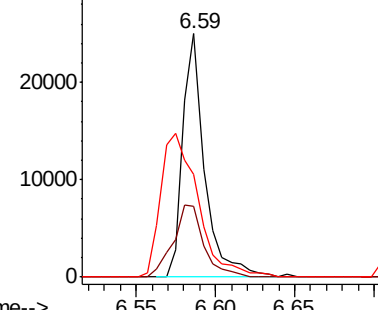
94 100

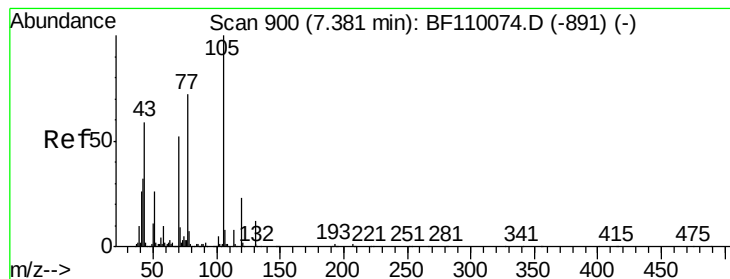
65 28.9 25.3 65.3

66 42.3 54.5 94.5#



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





#19

n-Nitroso-di-n-propylamine

Concen: 4.778 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Instrument :

BNA_F

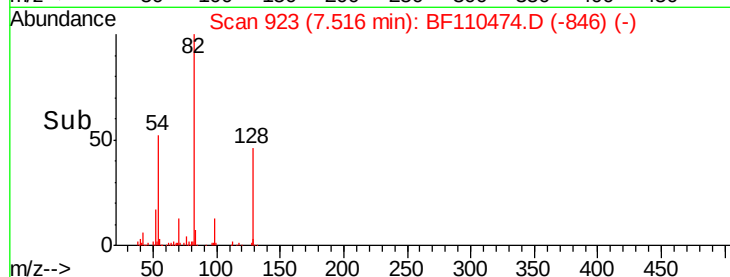
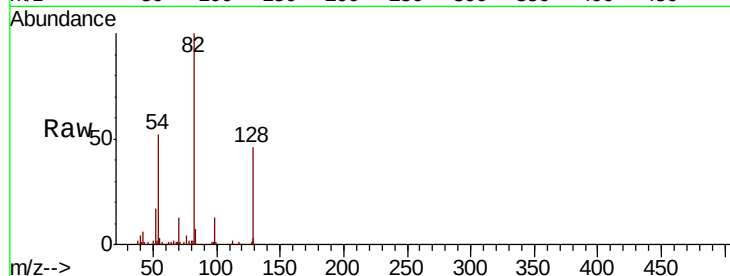
ClientSampleId :

EO-01-110218-B

Tgt Ion: 70 Resp: 26744

Ion Ratio Lower Upper

70	100		
42	48.8	47.4	71.2
101	0.0	7.3	10.9#
130	2.9	16.2	24.2#

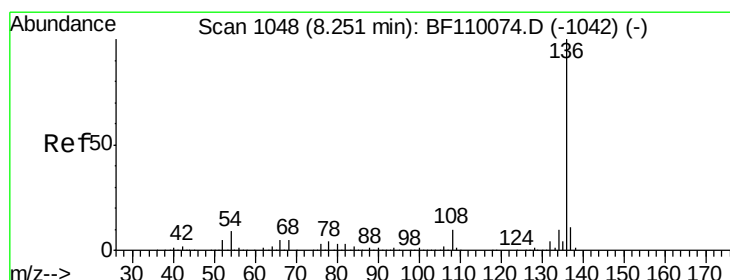
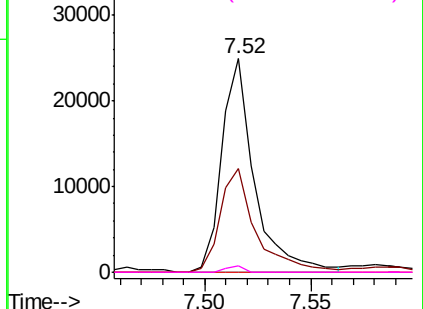


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

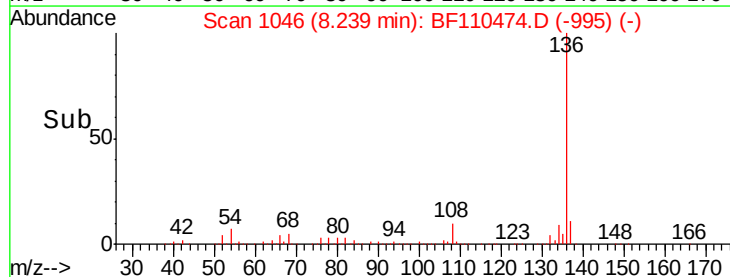
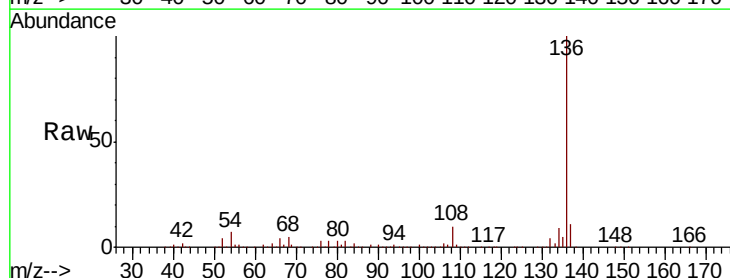
Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Tgt Ion: 136 Resp: 462630

Ion Ratio Lower Upper

136	100		
137	10.6	8.8	13.2
54	7.2	5.4	8.2
68	4.7	4.2	6.2

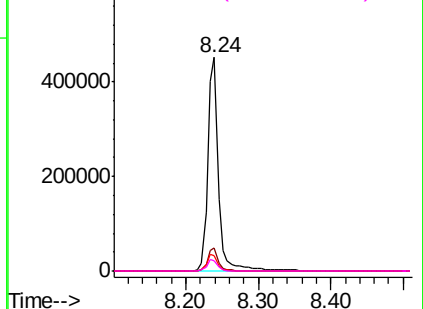


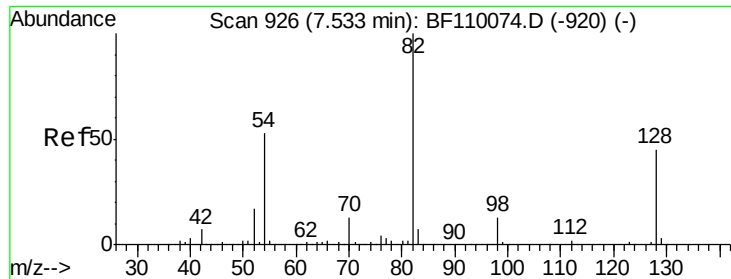
Abundance Ion 136.00 (135.70 to 136.70): E

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

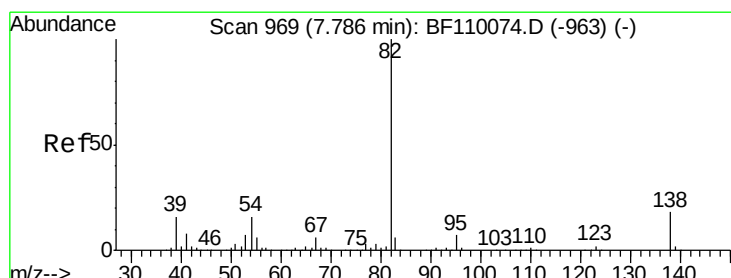
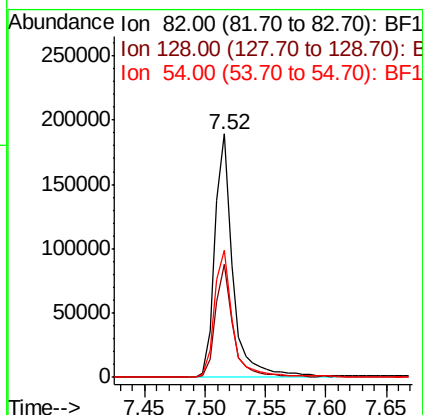
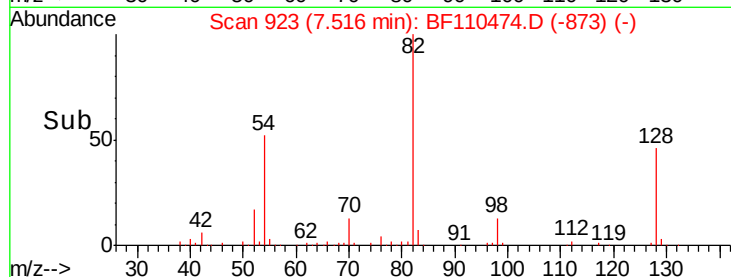
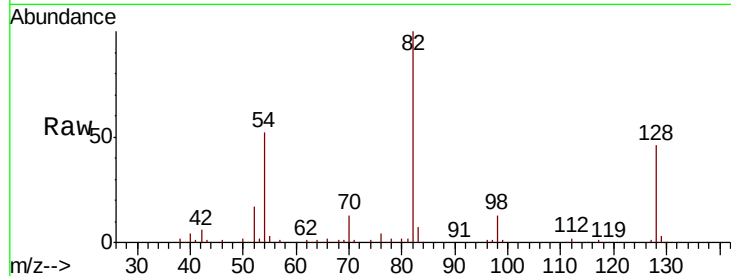




#23
Nitrobenzene-d5
Concen: 25.069 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

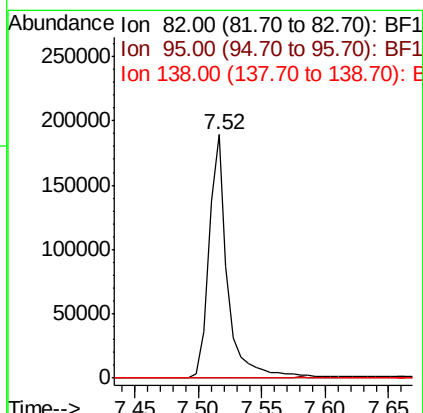
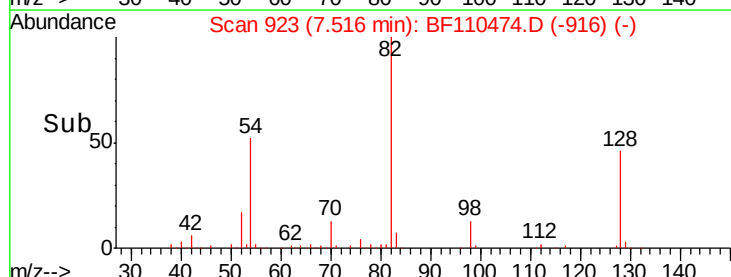
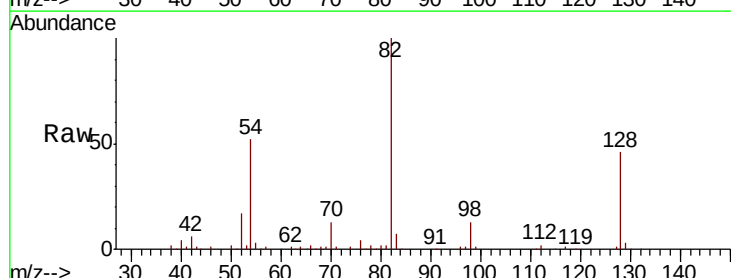
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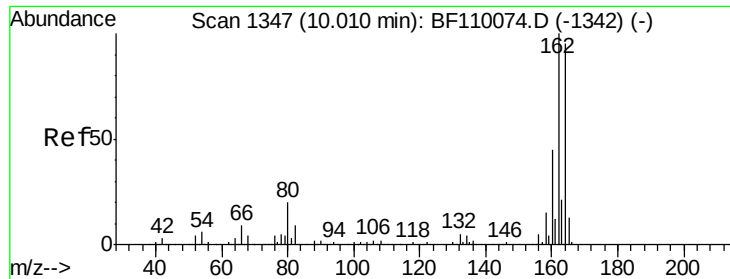
Tgt Ion: 82 Resp: 195533
Ion Ratio Lower Upper
82 100
128 46.4 34.2 51.2
54 52.2 38.6 58.0



#25
Isophorone
Concen: 14.707 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

Tgt Ion: 82 Resp: 195532
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-B

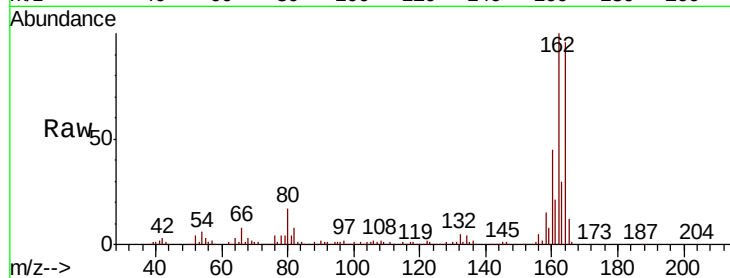
Tgt Ion:164 Resp: 195744

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.6

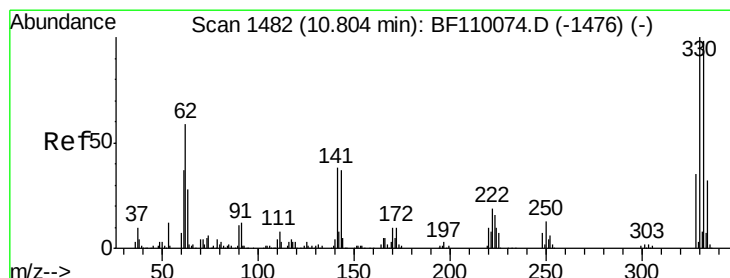
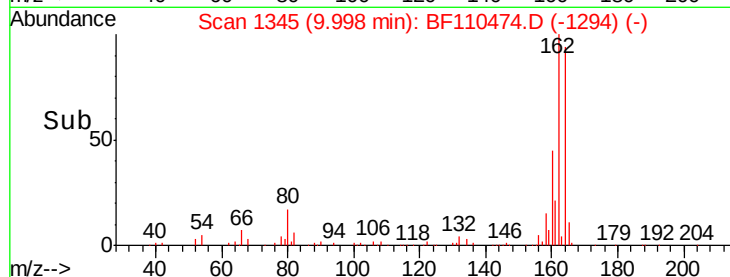
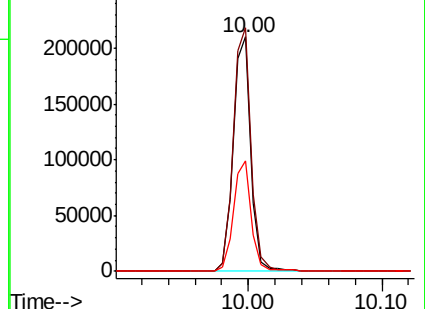
160 46.9 37.0 55.6



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: 30.260 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

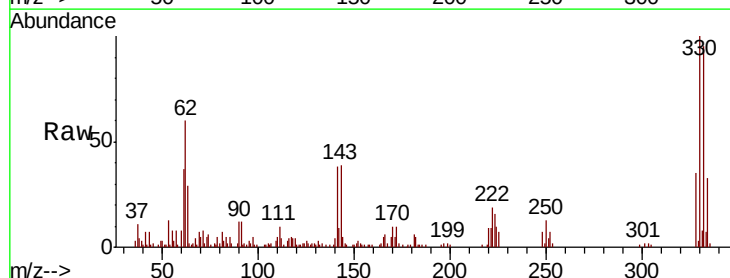
Tgt Ion:330 Resp: 58673

Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

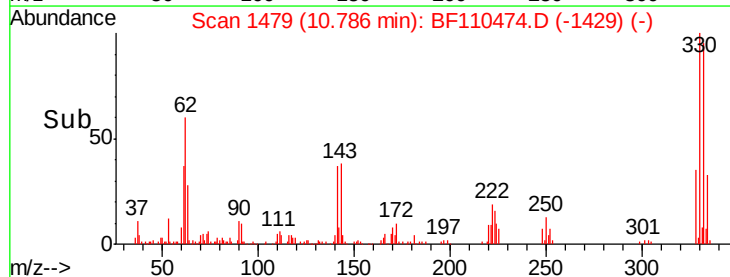
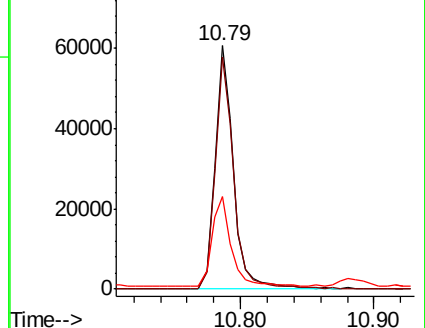
141 39.3 27.0 40.4

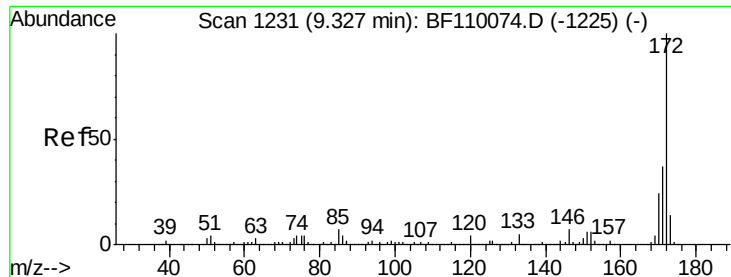


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

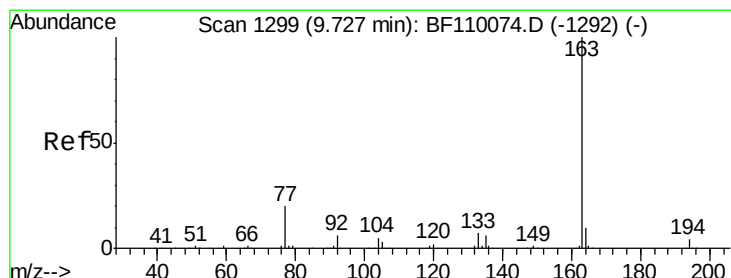
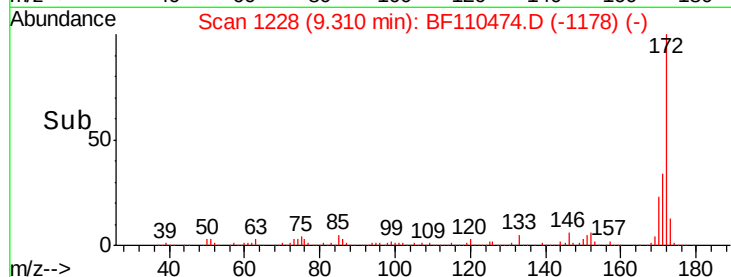
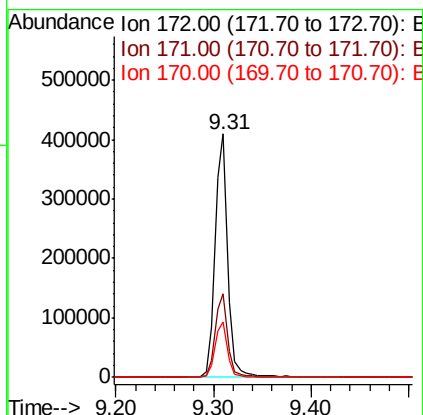
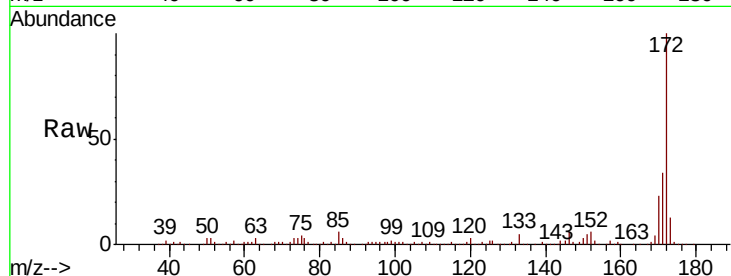




#45
2-Fluorobiphenyl
Concen: 29.411 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

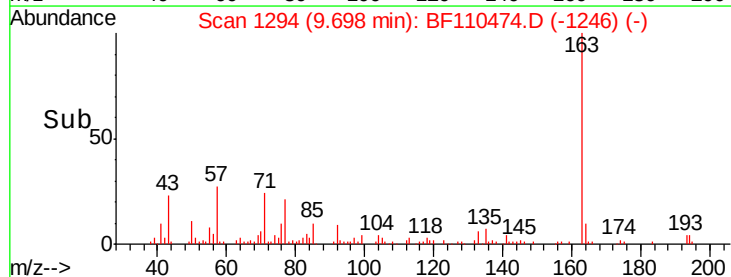
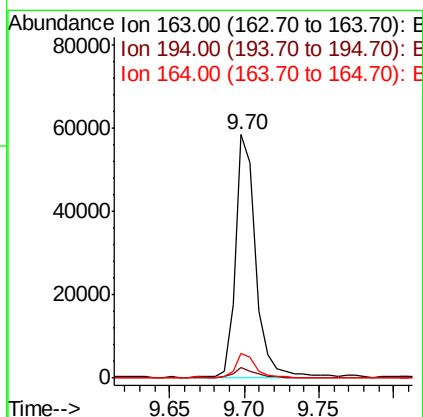
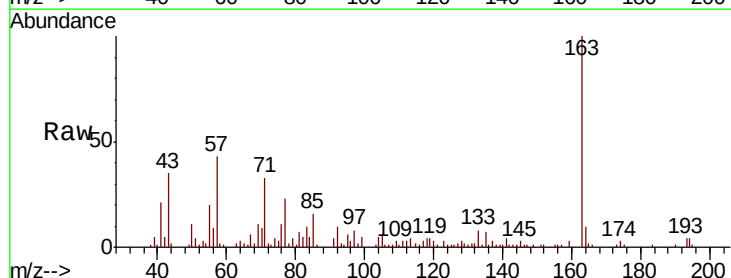
Instrument :
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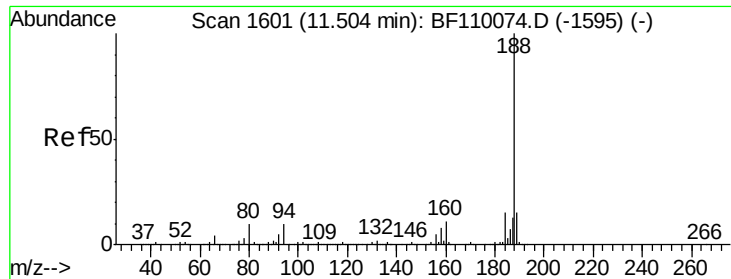
Tgt Ion:172 Resp: 366633
Ion Ratio Lower Upper
172 100
171 34.4 28.6 43.0
170 22.8 19.7 29.5



#50
Dimethylphthalate
Concen: 3.919 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

Tgt Ion:163 Resp: 56623
Ion Ratio Lower Upper
163 100
194 4.5 3.2 4.8
164 10.1 8.1 12.1

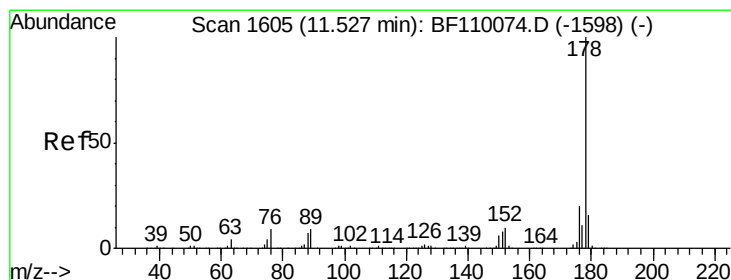
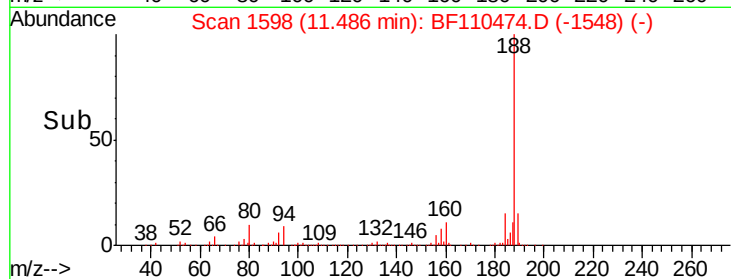
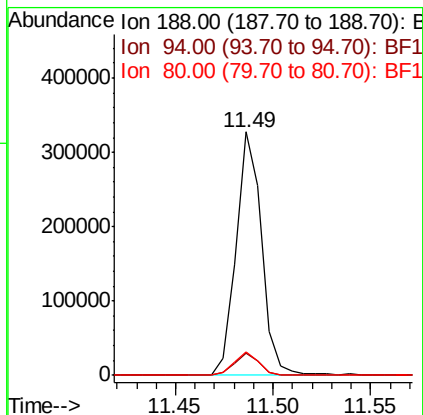
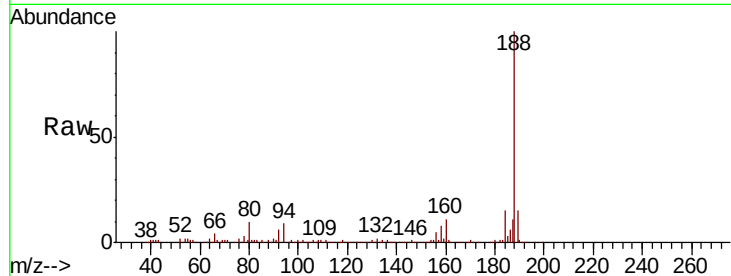




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

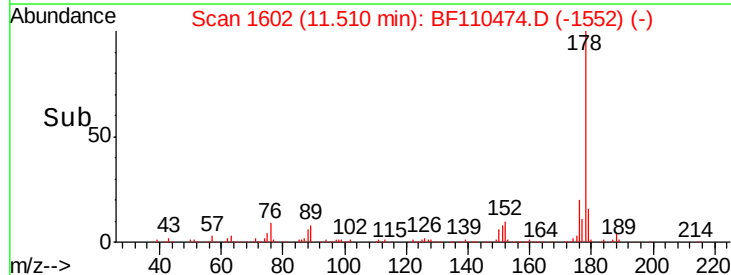
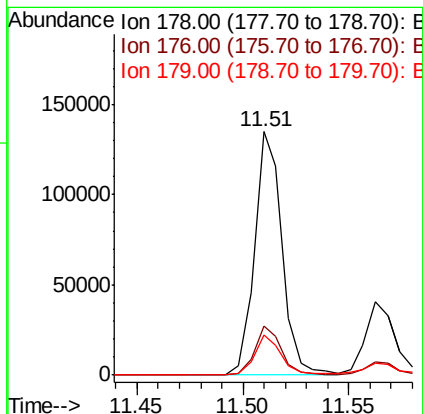
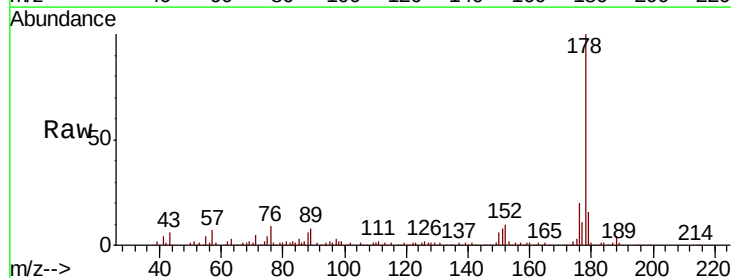
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-B

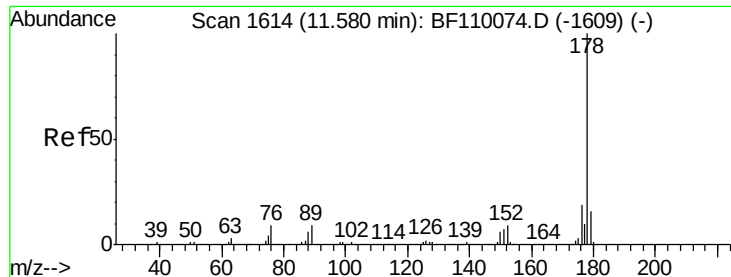
Tgt Ion:188 Resp: 295340
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.9 7.9 11.9



#71
Phenanthrene
Concen: 7.950 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

Tgt Ion:178 Resp: 122850
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 16.3 12.5 18.7

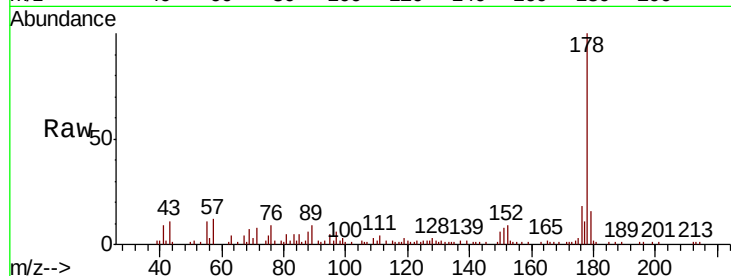




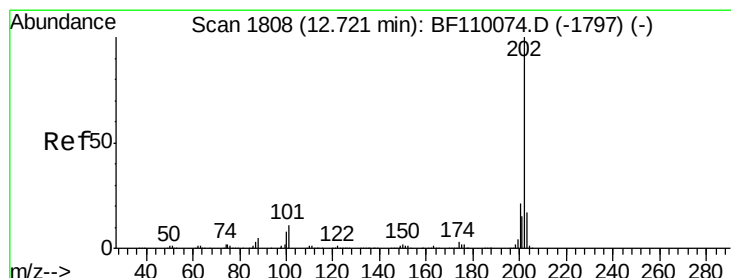
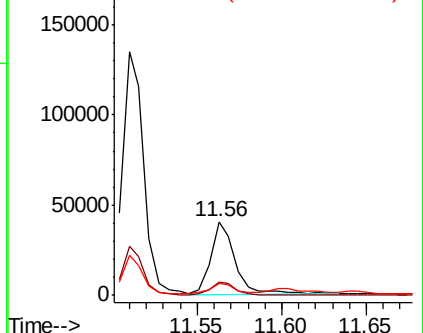
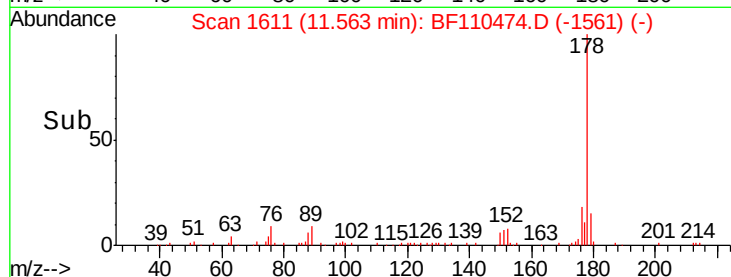
#72
 Anthracene
 Concen: 2.652 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF110474.D
 Acq: 5 Nov 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-B

Tgt Ion:178 Resp: 41075
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 16.4 12.6 18.8

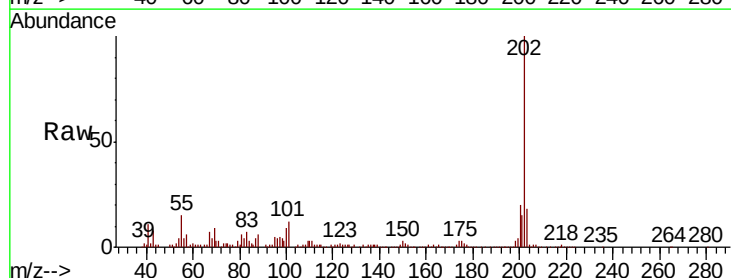


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

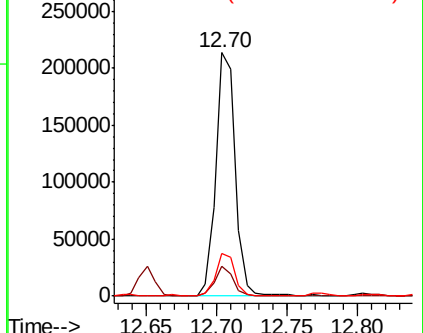
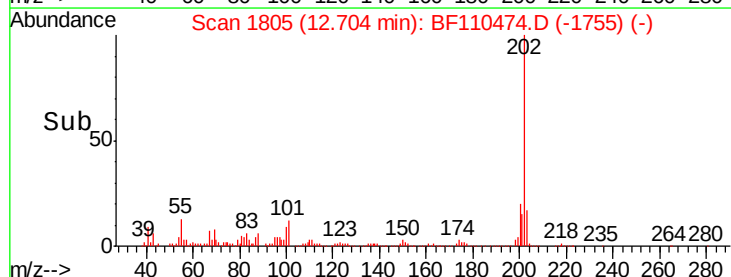


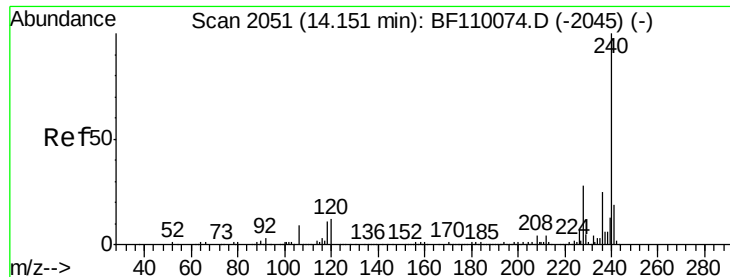
#75
 Fluoranthene
 Concen: 13.074 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110474.D
 Acq: 5 Nov 2018 19:24

Tgt Ion:202 Resp: 205045
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 31.4
 203 17.6 0.0 37.7



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

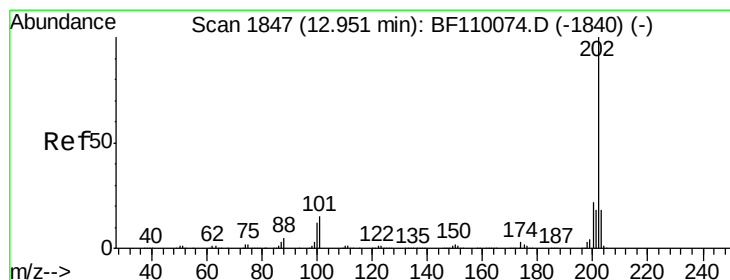
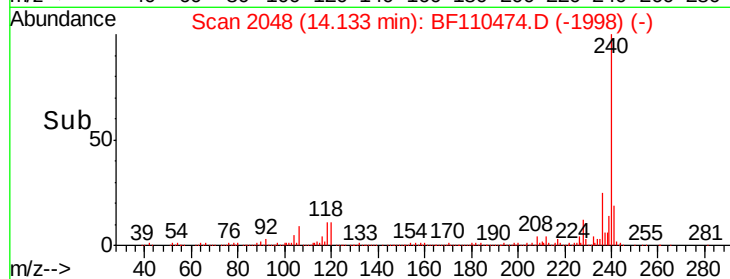
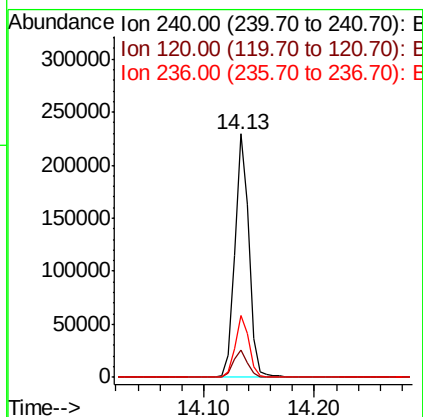
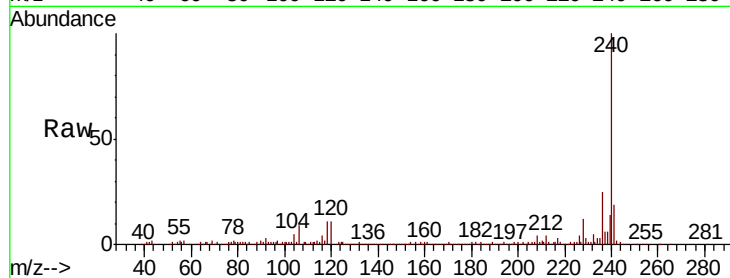




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

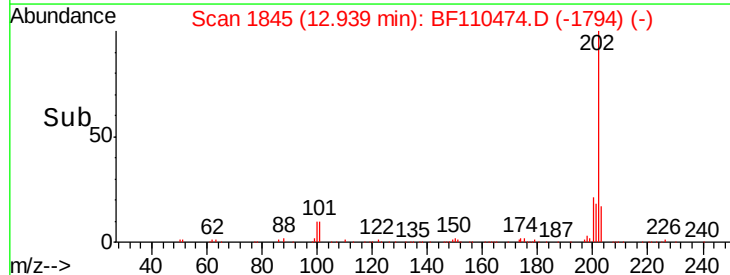
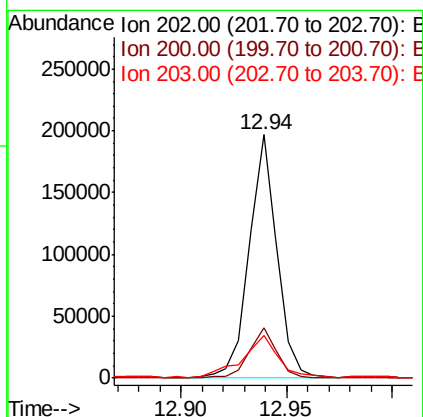
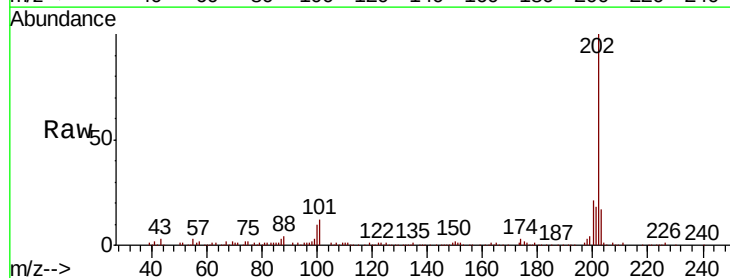
Instrument :
BNA_F
ClientSampleId :
EO-01-110218-B

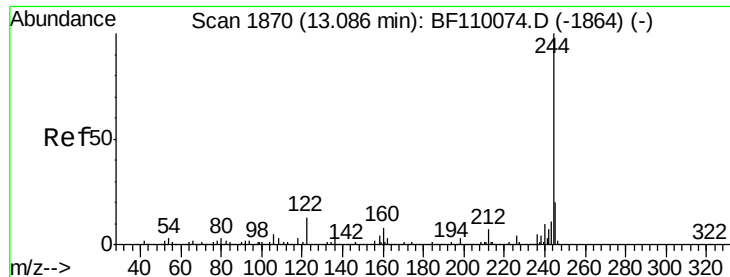
Tgt Ion:240 Resp: 205611
Ion Ratio Lower Upper
240 100
120 11.4 8.3 12.5
236 25.4 21.2 31.8



#78
Pyrene
Concen: 12.252 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

Tgt Ion:202 Resp: 180601
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.4 14.2 21.4

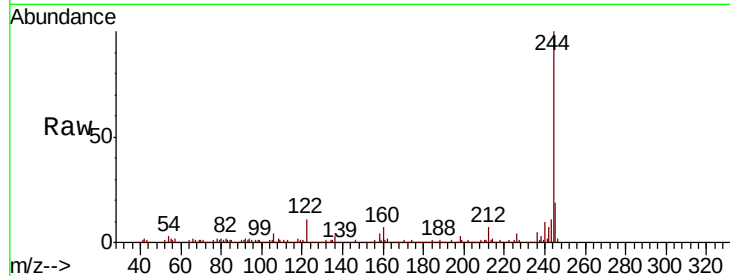




#79
 Terphenyl-d14
 Concen: 23.675 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110474.D
 Acq: 5 Nov 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-B

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.8	8.7	13.1

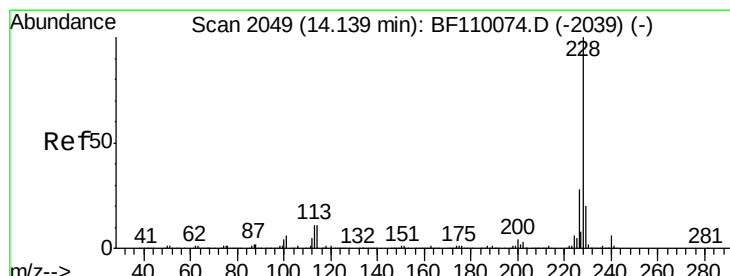
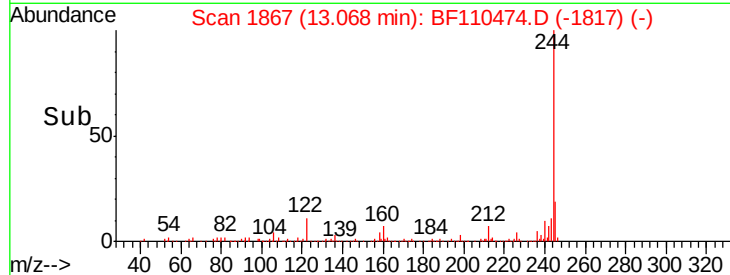
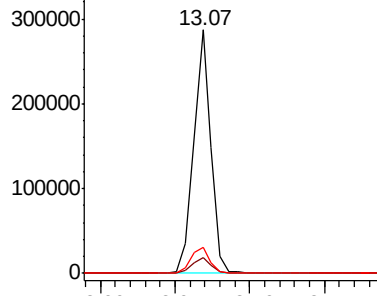


Abundance

Ion 244.00 (243.70 to 244.70): E

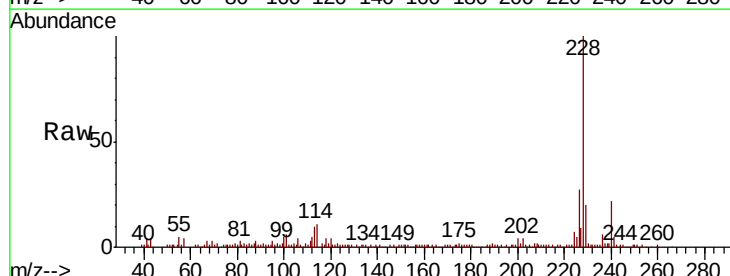
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 7.995 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110474.D
 Acq: 5 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	20.4	15.6	23.4

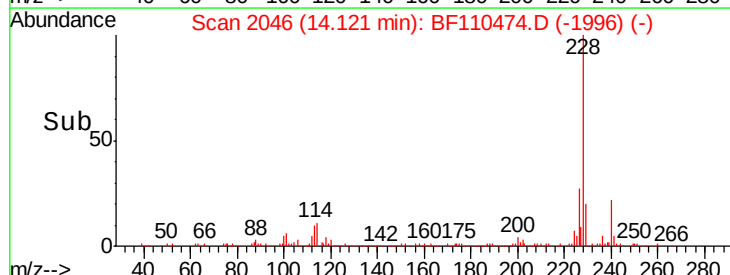
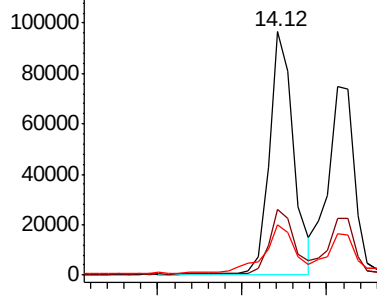


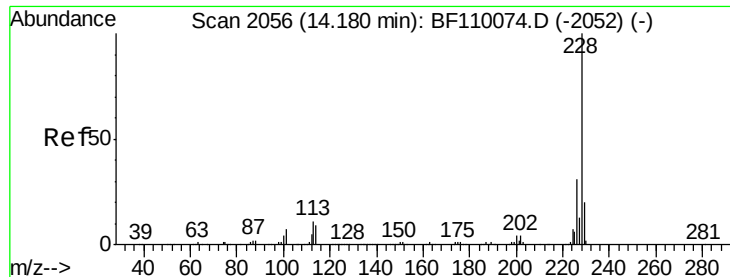
Abundance

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: 7.081 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-B

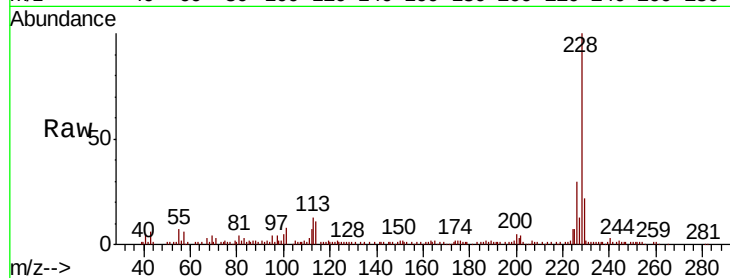
Tgt Ion:228 Resp: 82004

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

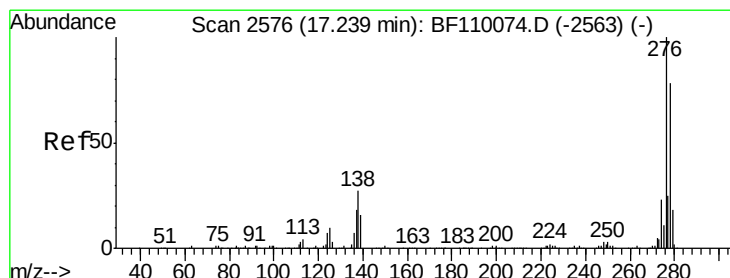
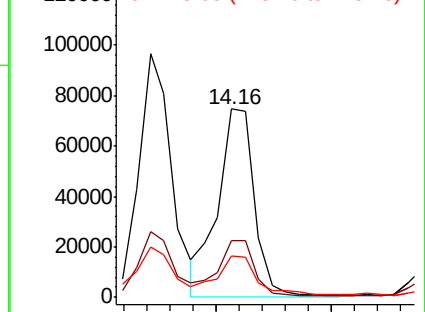
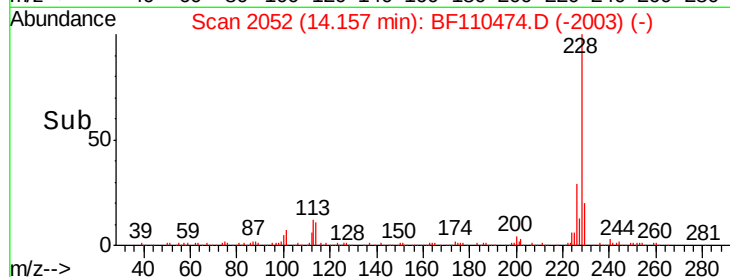
229 21.7 15.9 23.9



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: 4.244 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

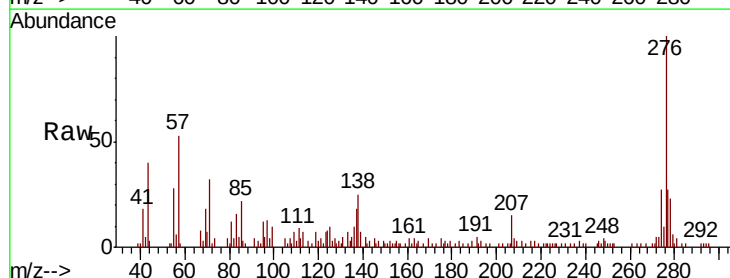
Tgt Ion:276 Resp: 40778

Ion Ratio Lower Upper

276 100

138 23.2 18.5 27.7

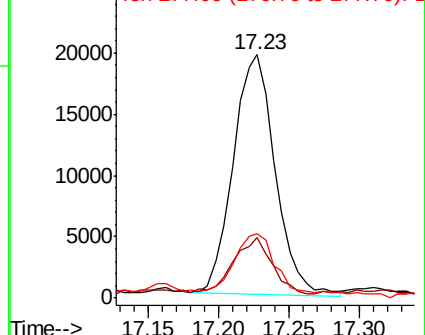
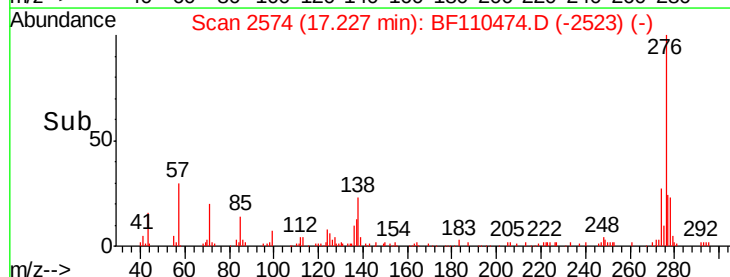
277 23.7 20.0 30.0

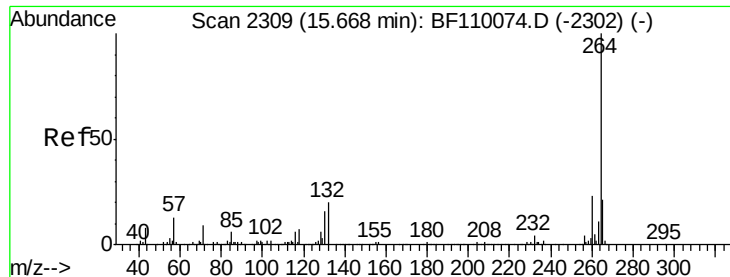


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Instrument :

BNA_F

ClientSampled :

EO-01-110218-B

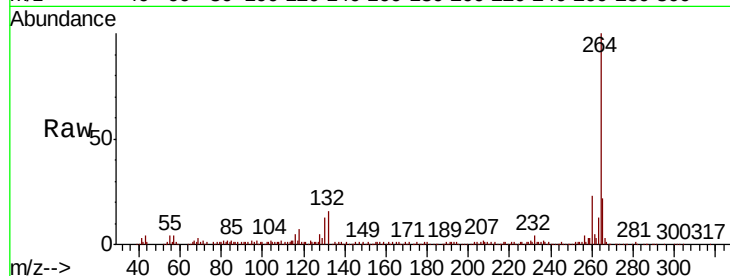
Tgt Ion:264 Resp: 174981

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

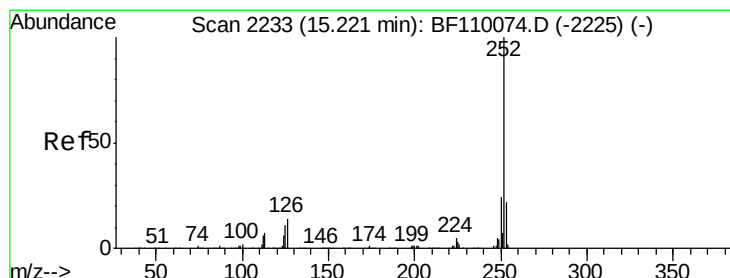
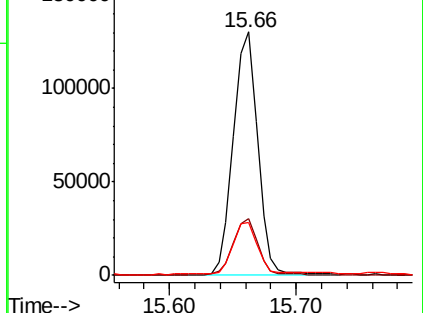
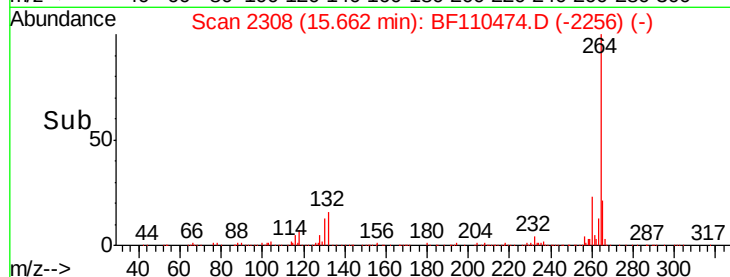
265 21.6 16.7 25.1



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: 14.267 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

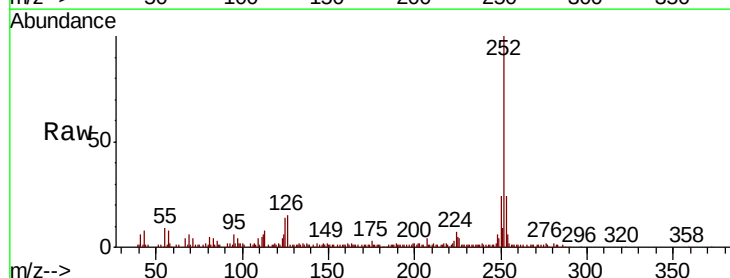
Tgt Ion:252 Resp: 144165

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

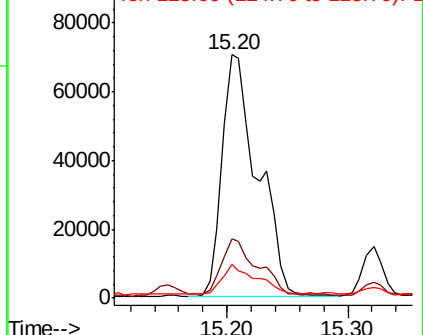
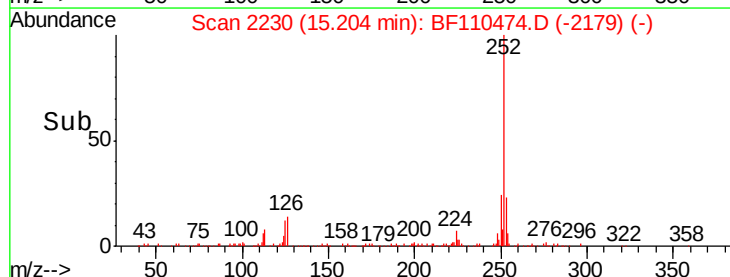
125 13.8 8.2 12.4#

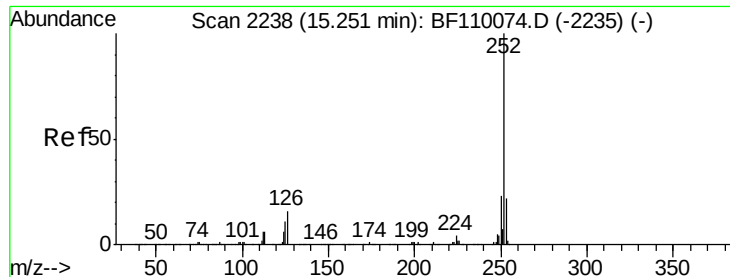


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

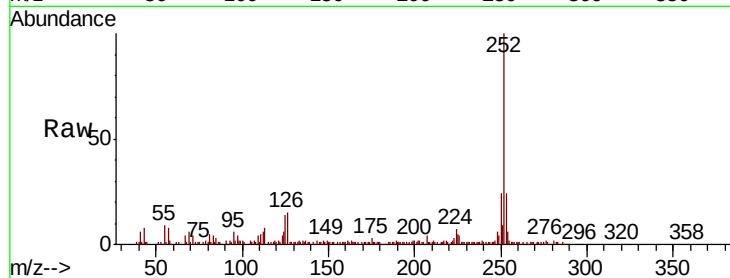




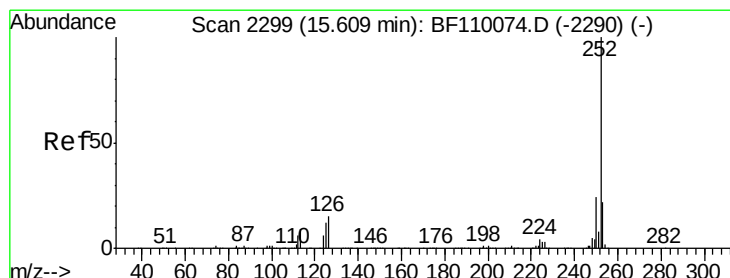
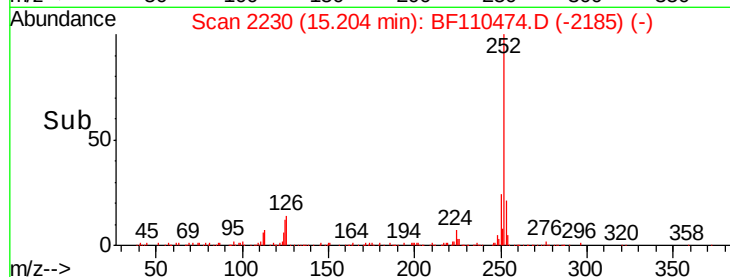
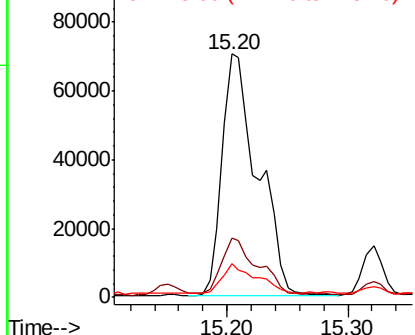
#89
Benzo(k)fluoranthene
Concen: 14.513 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.8	7.4	11.0

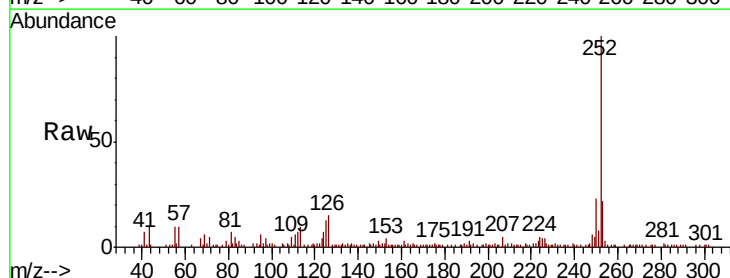


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

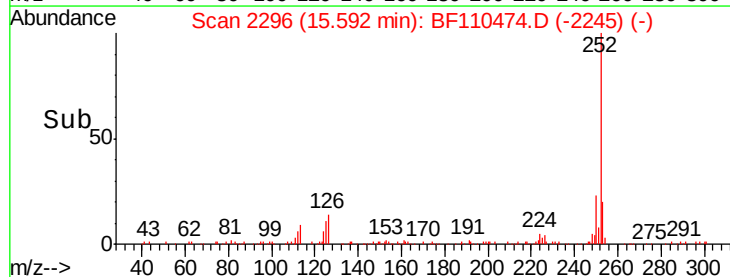
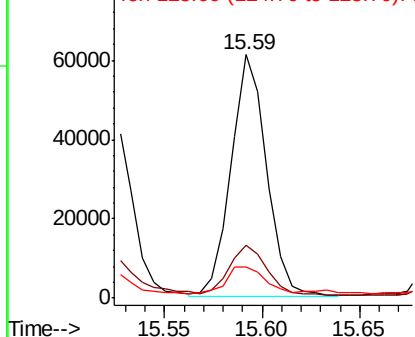


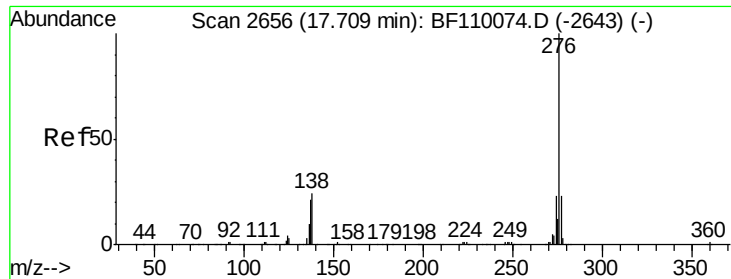
#90
Benzo(a)pyrene
Concen: 8.311 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110474.D
Acq: 5 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.4
125	12.7	9.0	13.6



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: 5.106 ng

RT: 17.70 min Scan# 2655

Delta R.T. 0.00 min

Lab File: BF110474.D

Acq: 5 Nov 2018 19:24

Instrument :

BNA_F

ClientSampleId :

EO-01-110218-B

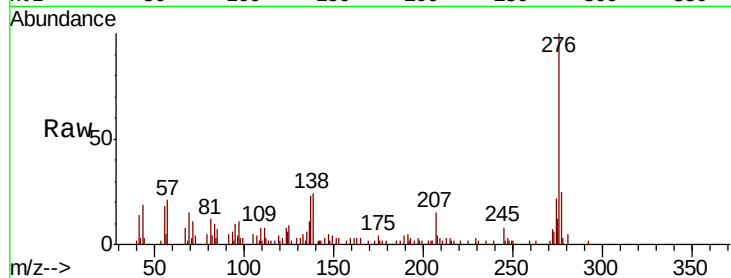
Tgt Ion: 276 Resp: 40363

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 23.9 16.0 24.0



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

