

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
 Data File : BF131912.D
 Acq On : 04 Jan 2023 22:28
 Operator : CG\JU
 Sample : 01008-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-1-010323

Quant Time: Jan 05 05:46:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

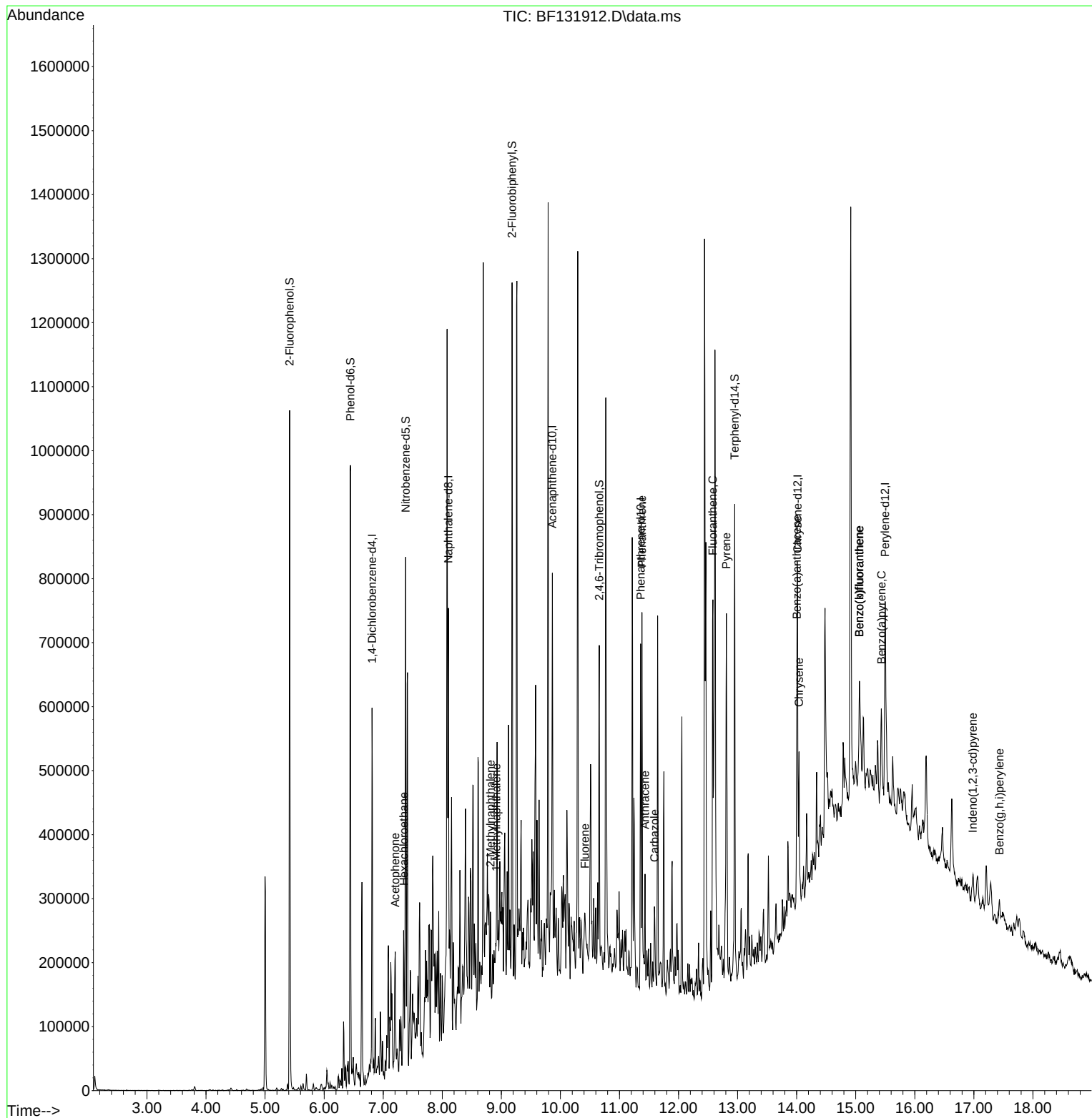
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	68660	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	228936	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	105462	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	169055	20.000	ng	0.00
76) Chrysene-d12	14.016	240	150583	20.000	ng	0.00
86) Perylene-d12	15.498	264	127896	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	245184	59.179	ng	0.00
7) Phenol-d6	6.446	99	306011	56.218	ng	0.00
23) Nitrobenzene-d5	7.381	82	207854	36.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	50498	44.070	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	278002	36.107	ng	-0.01
79) Terphenyl-d14	12.951	244	228567	25.675	ng	0.00
Target Compounds						
18) Hexachloroethane	7.345	117	9356	4.609	ng	# 1
22) Acetophenone	7.204	105	23974	3.572	ng	# 53
37) 2-Methylnaphthalene	8.816	142	22098	2.626	ng	96
38) 1-Methylnaphthalene	8.916	142	16924	2.071	ng	96
58) Fluorene	10.416	166	17300	2.291	ng	93
71) Phenanthrene	11.380	178	182345	19.614	ng	99
72) Anthracene	11.433	178	49942	5.492	ng	98
73) Carbazole	11.592	167	23753	2.959	ng	97
75) Fluoranthene	12.580	202	244922	22.618	ng	99
78) Pyrene	12.810	202	212964	16.873	ng	99
81) Benzo(a)anthracene	14.004	228	91070	8.353	ng	98
83) Chrysene	14.039	228	83173	8.118	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	23646	2.910	ng	# 95
88) Benzo(b)fluoranthene	15.063	252	104000	11.090	ng	# 90
89) Benzo(k)fluoranthene	15.063	252	104000	11.478	ng	# 90
90) Benzo(a)pyrene	15.433	252	55511	7.646	ng	# 87
92) Benzo(g,h,i)perylene	17.433	276	22564	7.800	ng	# 84

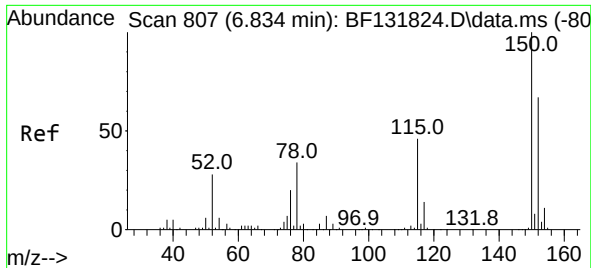
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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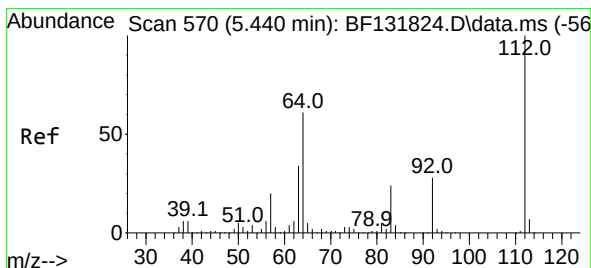
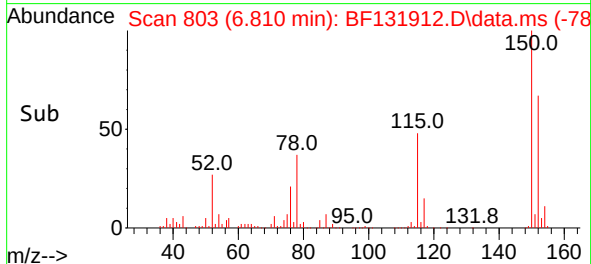
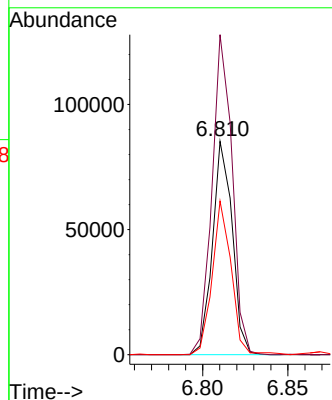
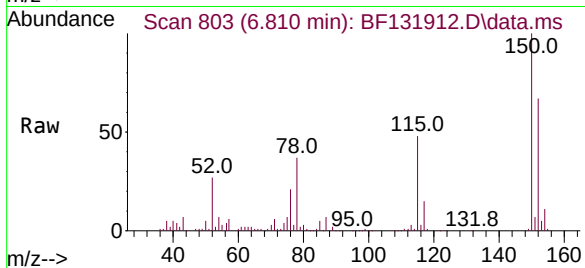




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

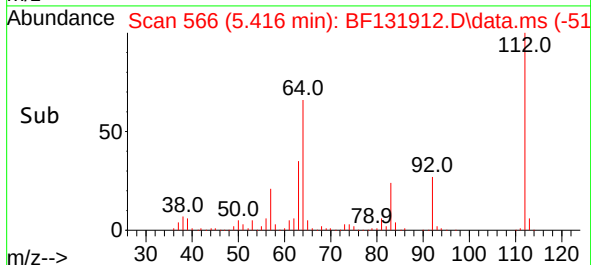
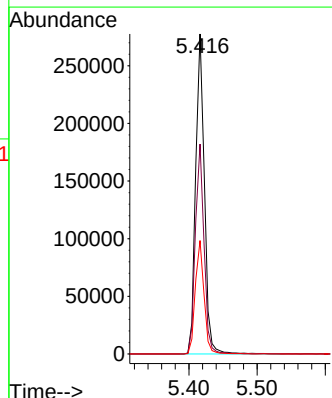
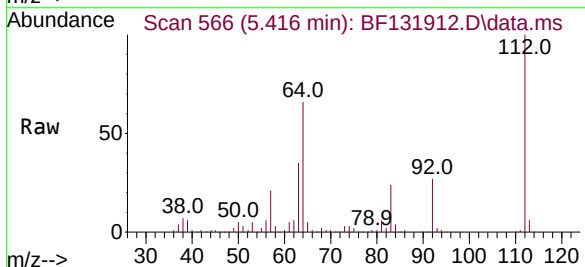
Instrument :
BNA_F
ClientSampleId :
EO-1-010323

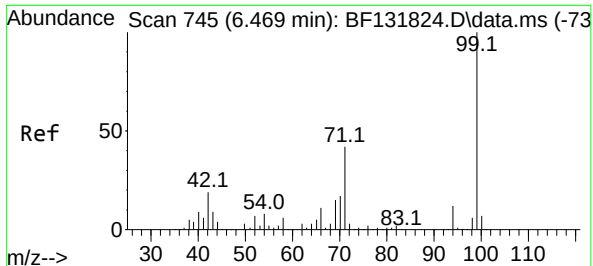
Tgt Ion:152 Resp: 68660
Ion Ratio Lower Upper
152 100
150 150.0 120.0 180.0
115 72.0 55.1 82.7



#5
2-Fluorophenol
Concen: 59.179 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Tgt Ion:112 Resp: 245184
Ion Ratio Lower Upper
112 100
64 65.6 49.2 73.8
63 35.4 27.5 41.3

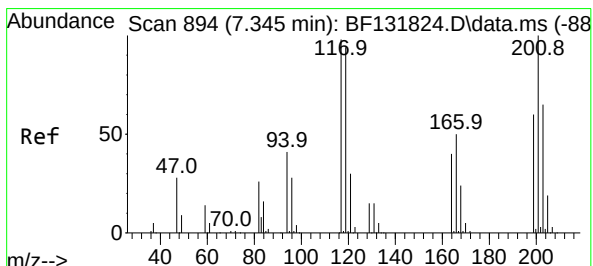
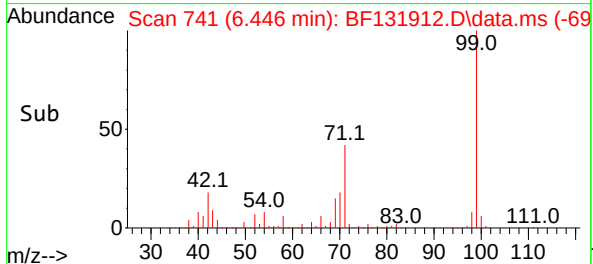
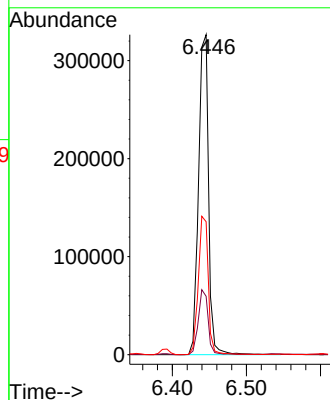
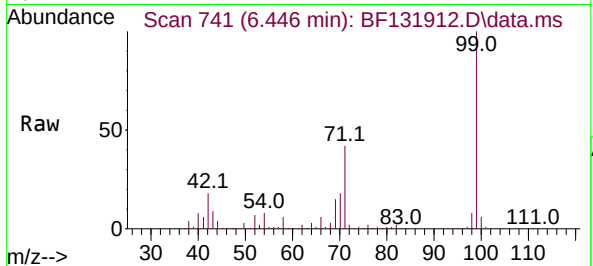




#7
Phenol-d6
Concen: 56.218 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

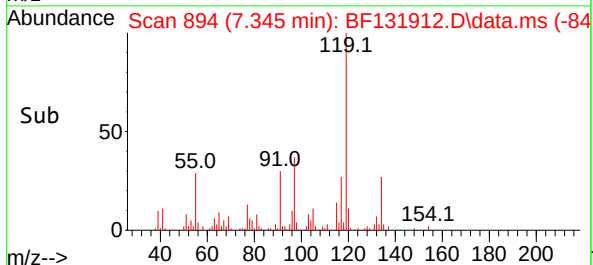
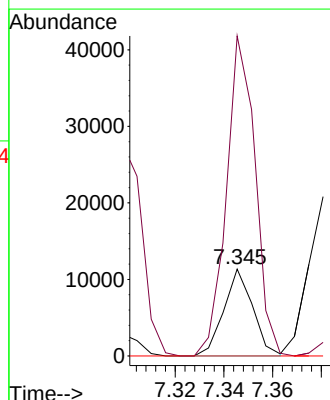
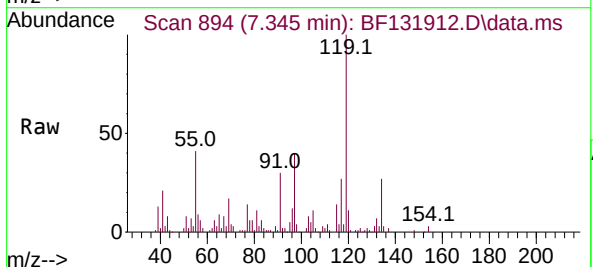
Instrument :
BNA_F
ClientSampleId :
EO-1-010323

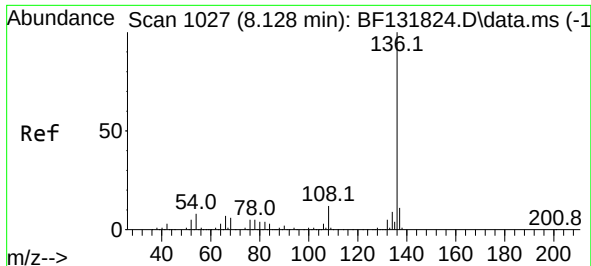
Tgt Ion: 99 Resp: 306011
Ion Ratio Lower Upper
99 100
42 18.3 15.3 22.9
71 41.5 33.5 50.3



#18
Hexachloroethane
Concen: 4.609 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Tgt Ion: 117 Resp: 9356
Ion Ratio Lower Upper
117 100
119 368.3 76.5 114.7#
201 0.0 81.7 122.5#



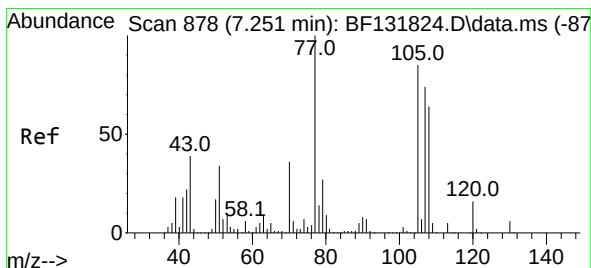
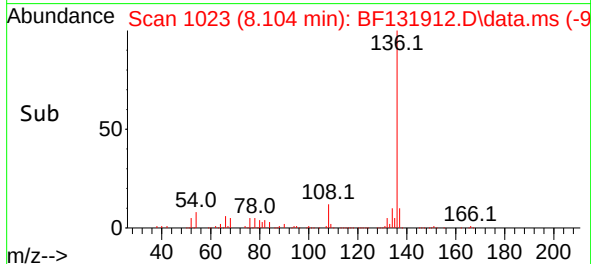
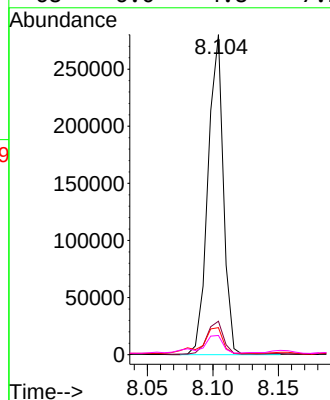
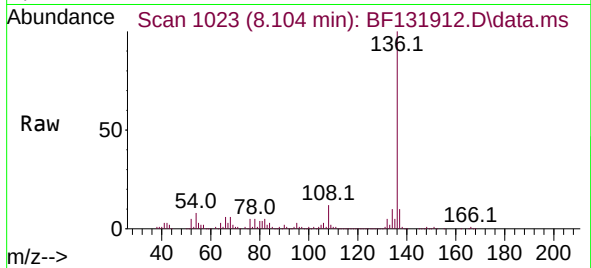


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Instrument :
BNA_F
ClientSampleId :
EO-1-010323

Tgt Ion:136 Resp: 228936

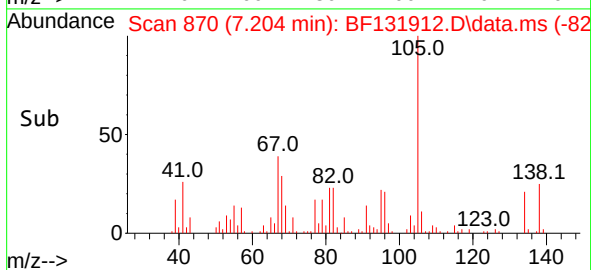
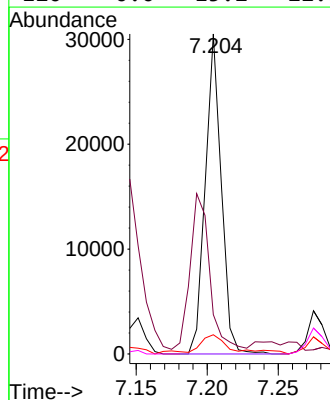
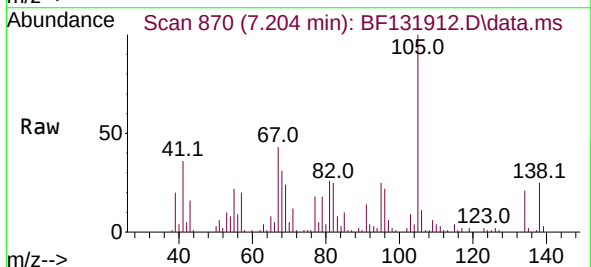
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	8.5	6.7	10.1
68	6.0	4.8	7.2

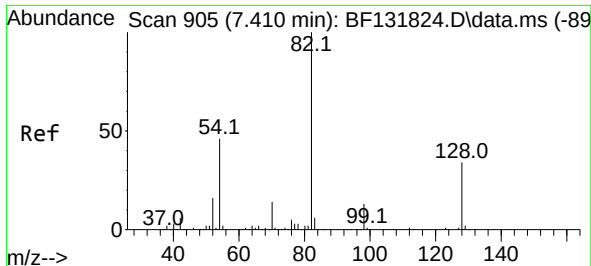


#22
Acetophenone
Concen: 3.572 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.035 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Tgt Ion:105 Resp: 23974

Ion	Ratio	Lower	Upper
105	100		
71	12.3	5.4	8.0#
51	6.0	31.9	47.9#
120	0.0	15.2	22.8#





#23

Nitrobenzene-d5

Concen: 36.249 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

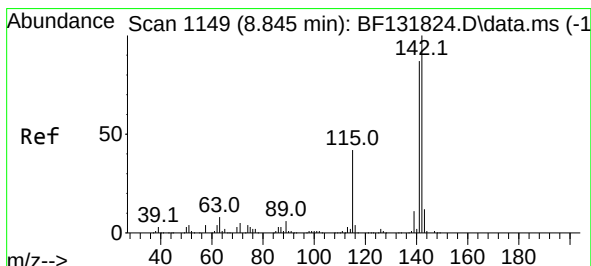
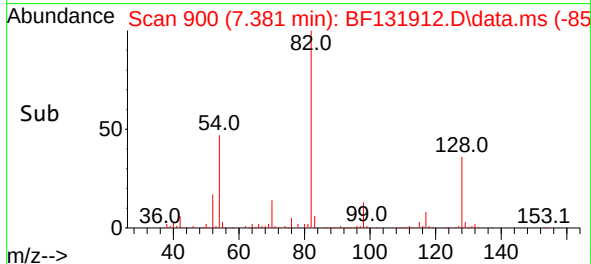
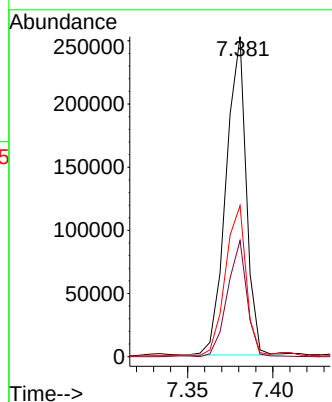
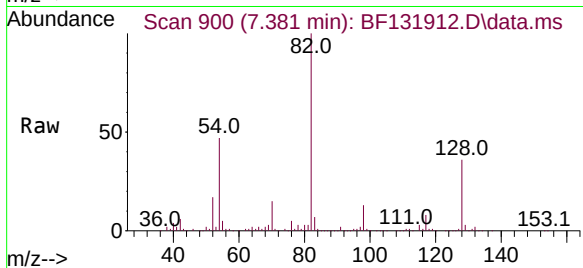
Tgt Ion: 82 Resp: 207854

Ion Ratio Lower Upper

82 100

128 36.3 27.1 40.7

54 47.2 37.0 55.6



#37

2-Methylnaphthalene

Concen: 2.626 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.012 min

Lab File: BF131912.D

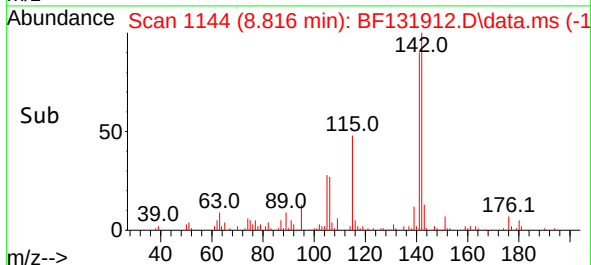
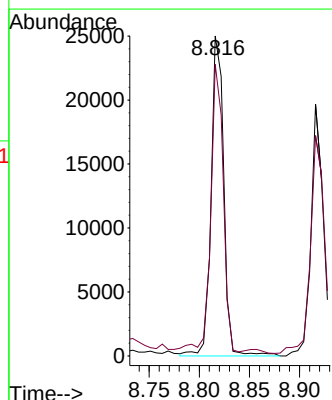
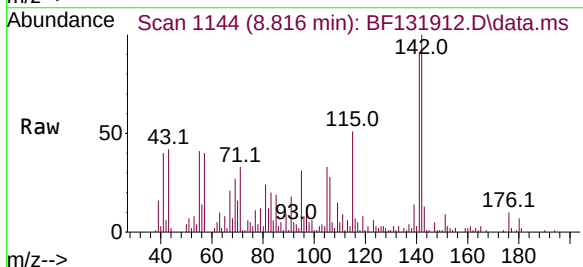
Acq: 04 Jan 2023 22:28

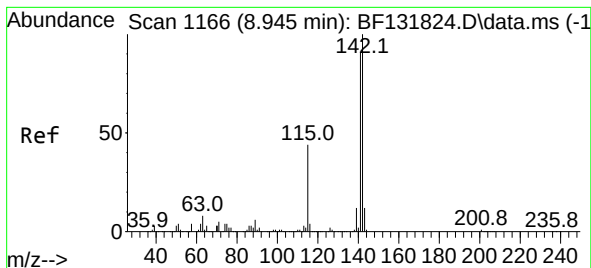
Tgt Ion:142 Resp: 22098

Ion Ratio Lower Upper

142 100

141 91.1 69.8 104.8





#38

1-Methylnaphthalene

Concen: 2.071 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

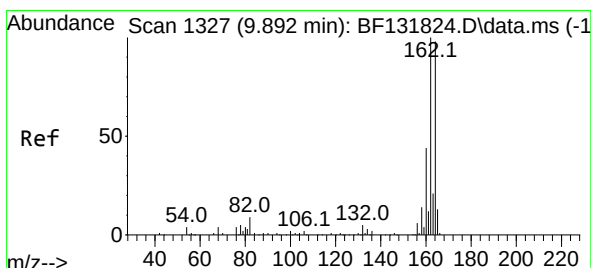
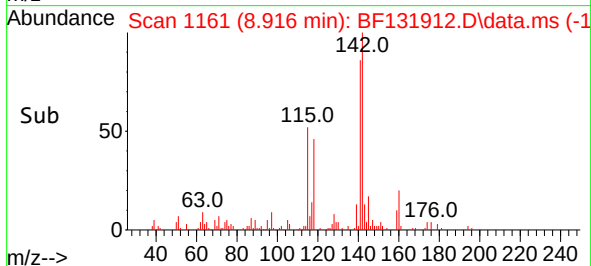
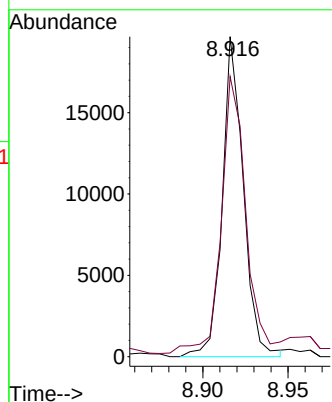
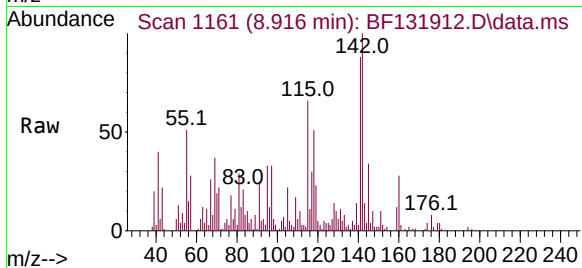
EO-1-010323

Tgt Ion:142 Resp: 16924

Ion Ratio Lower Upper

142 100

141 87.6 73.0 109.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

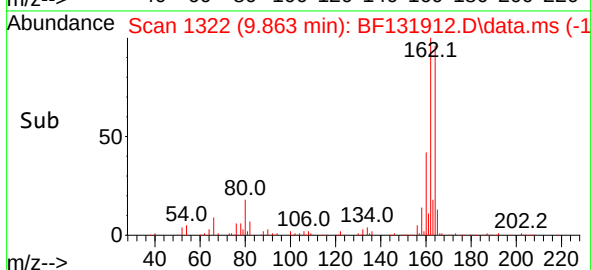
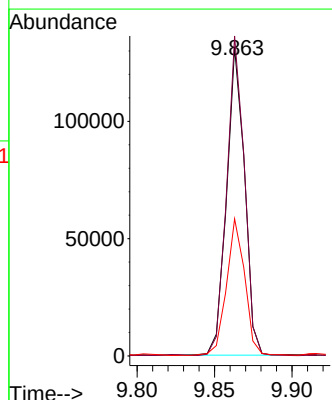
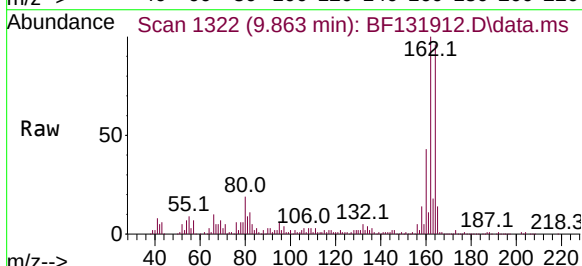
Tgt Ion:164 Resp: 105462

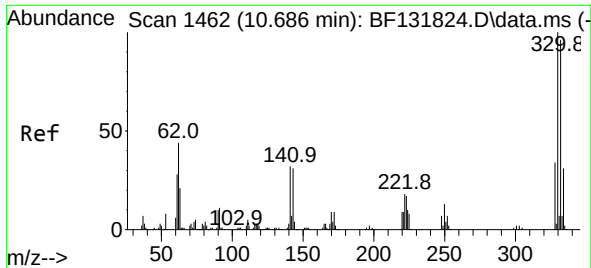
Ion Ratio Lower Upper

164 100

162 103.8 81.8 122.6

160 44.5 35.7 53.5

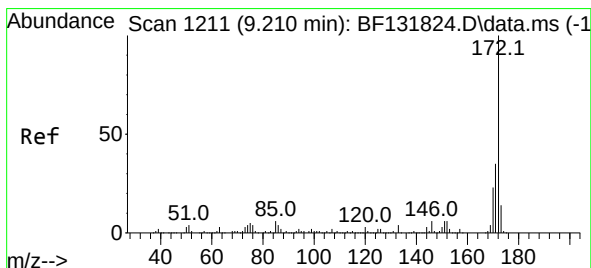
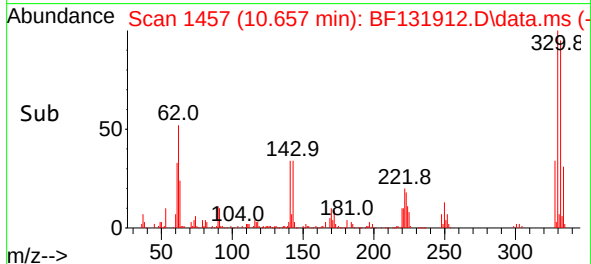
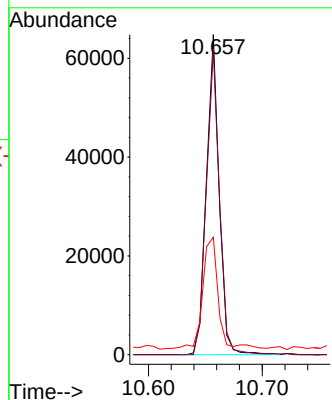
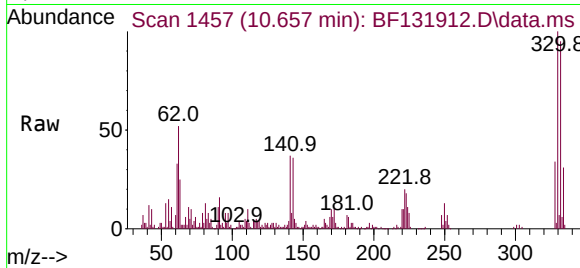




#42
 2,4,6-Tribromophenol
 Concen: 44.070 ng
 RT: 10.657 min Scan# 1462
 Delta R.T. -0.012 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

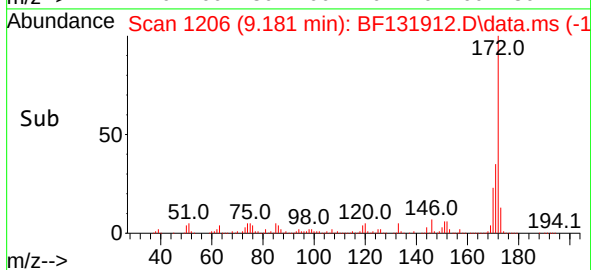
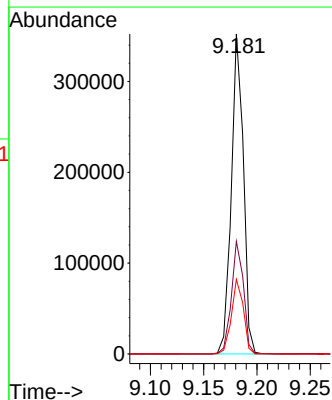
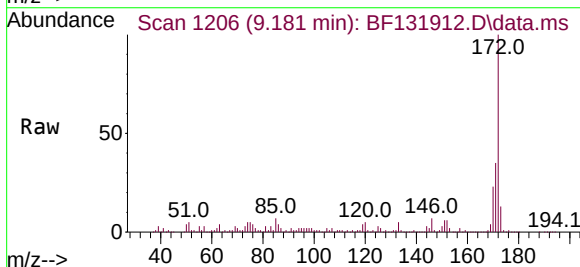
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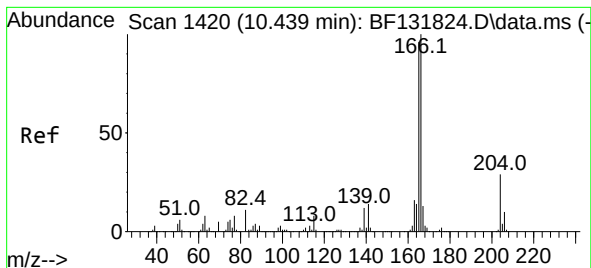
Tgt Ion:330 Resp: 50498
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.4
 141 40.0 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 36.107 ng
 RT: 9.181 min Scan# 1206
 Delta R.T. -0.012 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

Tgt Ion:172 Resp: 278002
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.9 41.9
 170 23.3 18.7 28.1





#58

Fluorene

Concen: 2.291 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

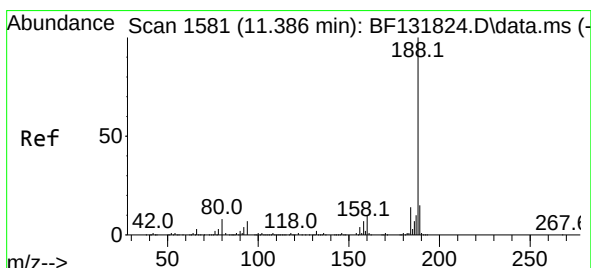
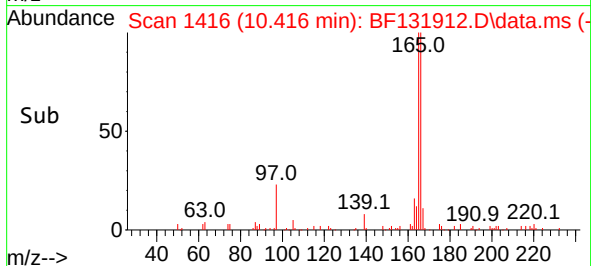
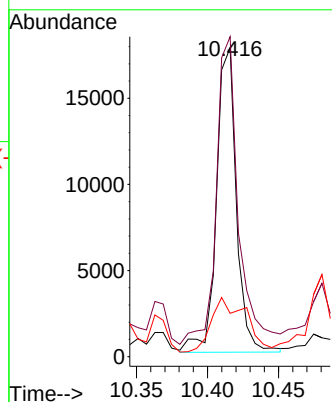
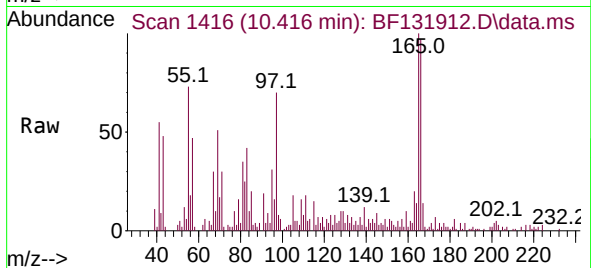
Tgt Ion:166 Resp: 17300

Ion Ratio Lower Upper

166 100

165 103.6 77.0 115.4

167 14.0 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

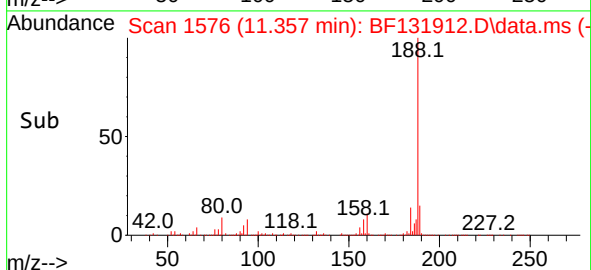
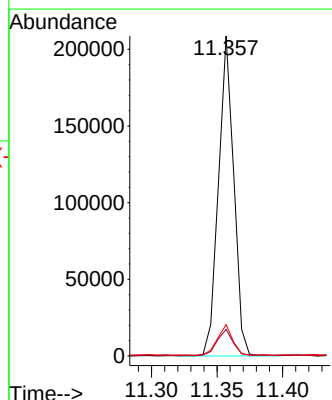
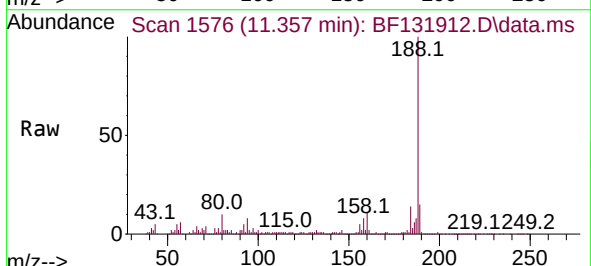
Tgt Ion:188 Resp: 169055

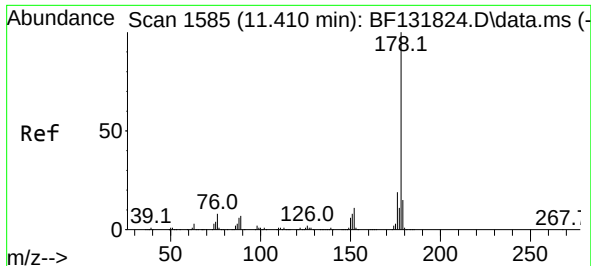
Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.6

80 9.8 6.7 10.1

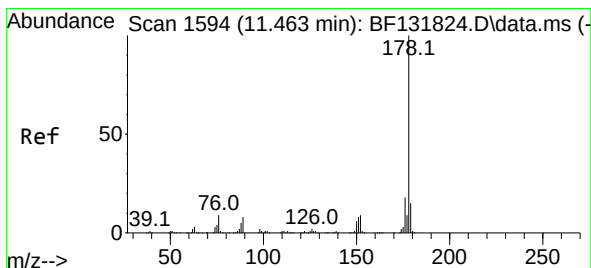
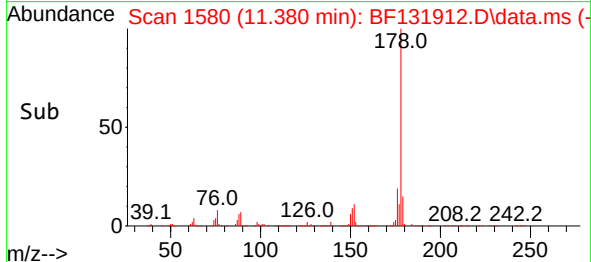
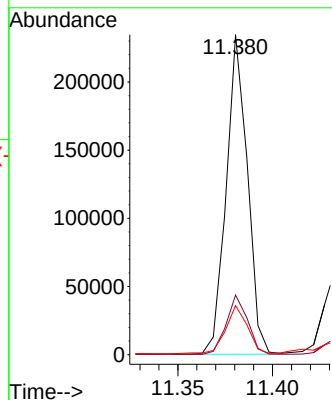
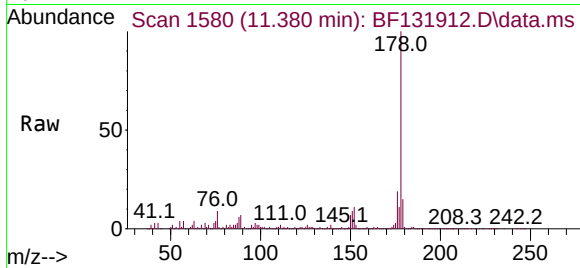




#71
Phenanthrene
Concen: 19.614 ng
RT: 11.380 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

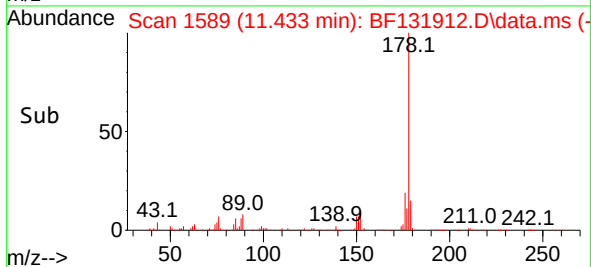
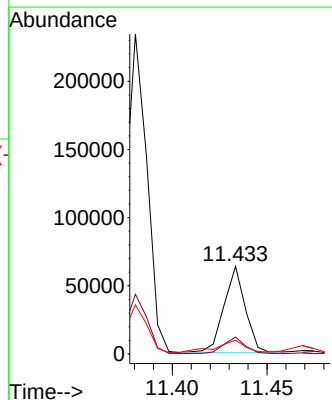
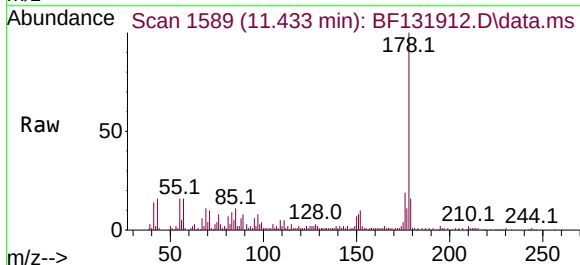
Instrument :
BNA_F
ClientSampleId :
EO-1-010323

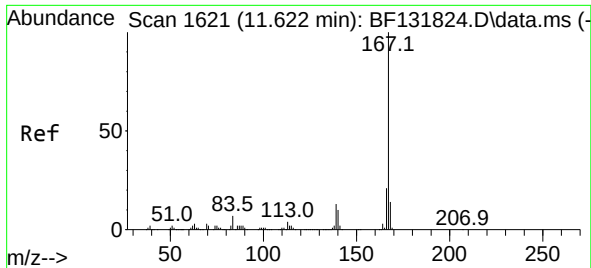
Tgt Ion:178 Resp: 182345
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.4 12.2 18.4



#72
Anthracene
Concen: 5.492 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Tgt Ion:178 Resp: 49942
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 15.7 12.2 18.2

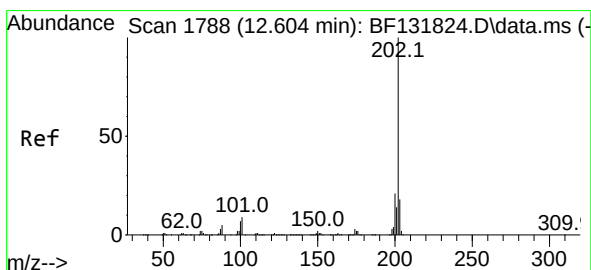
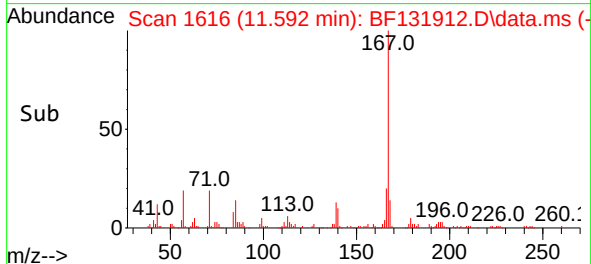
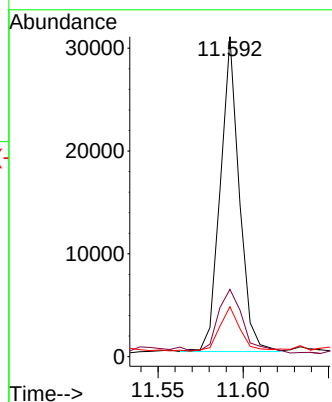
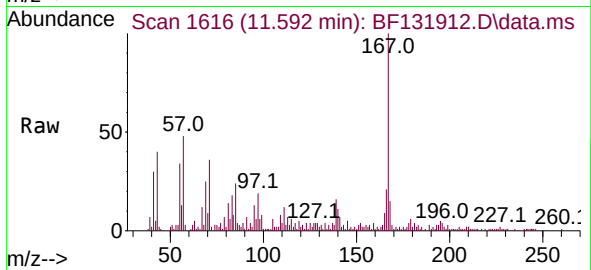




#73
 Carbazole
 Concen: 2.959 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

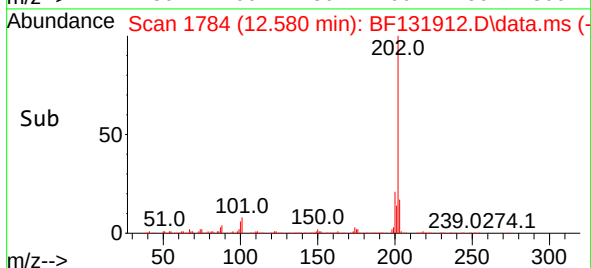
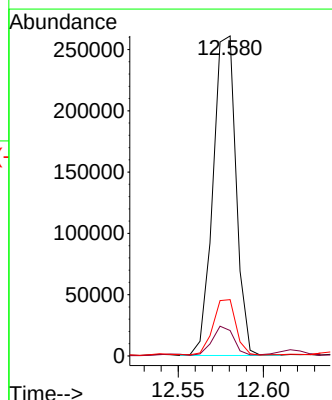
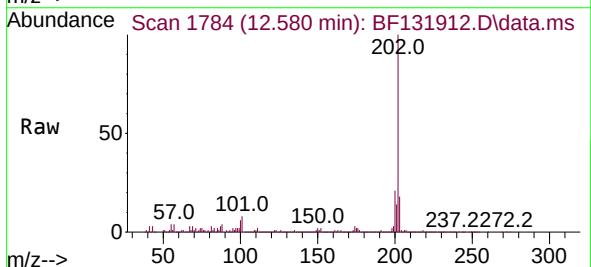
Instrument :
 BNA_F
 ClientSampleId :
 EO-1-010323

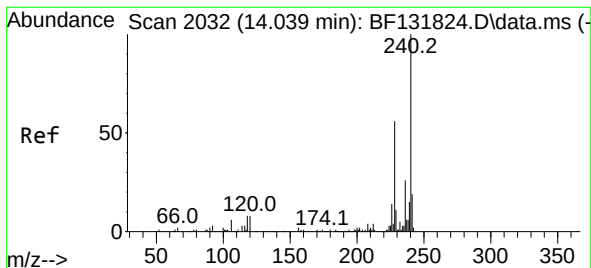
Tgt Ion:167	Resp:	23753
Ion Ratio	Lower	Upper
167	100	
166	21.1	16.6 24.8
139	15.6	10.6 15.8



#75
 Fluoranthene
 Concen: 22.618 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

Tgt Ion:202	Resp:	244922
Ion Ratio	Lower	Upper
202	100	
101	8.0	0.0 28.6
203	17.6	0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

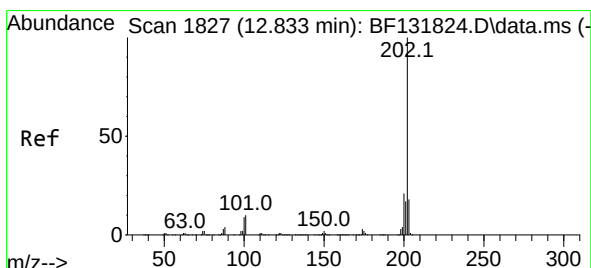
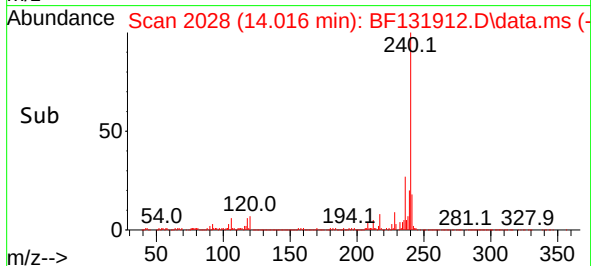
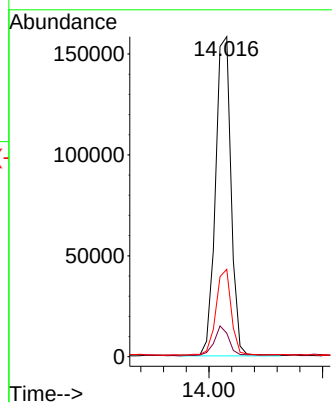
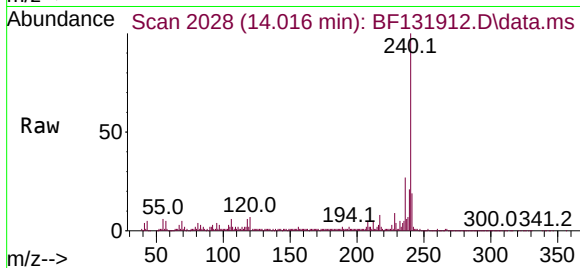
Tgt Ion:240 Resp: 150583

Ion Ratio Lower Upper

240 100

120 7.3 6.7 10.1

236 27.3 20.6 31.0



#78

Pyrene

Concen: 16.873 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

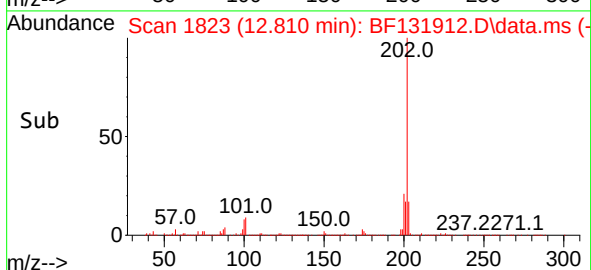
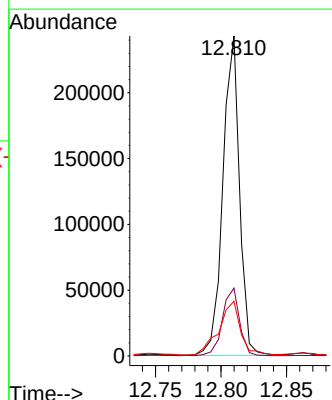
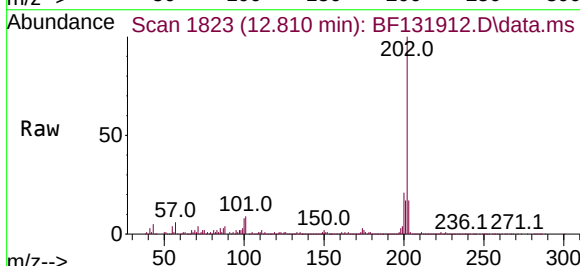
Tgt Ion:202 Resp: 212964

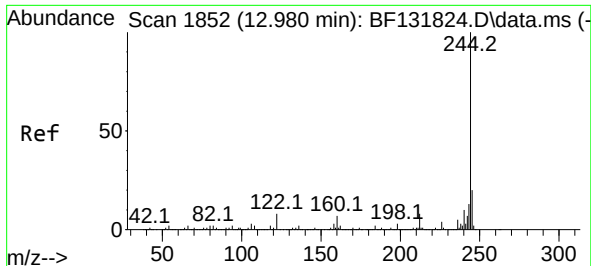
Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 17.1 14.4 21.6

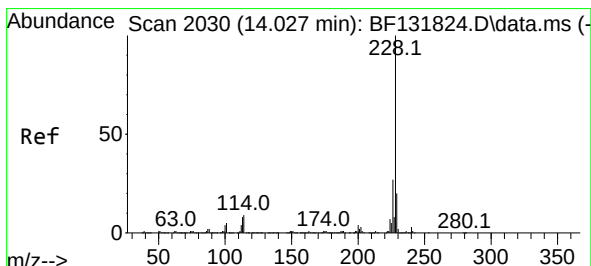
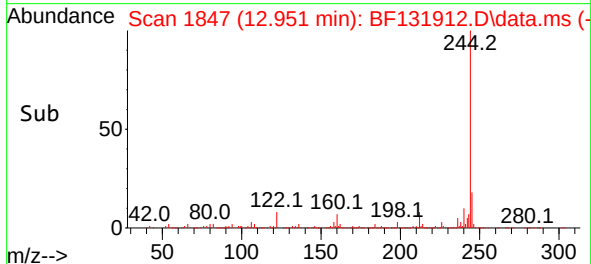
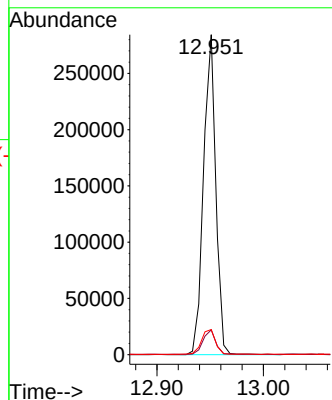
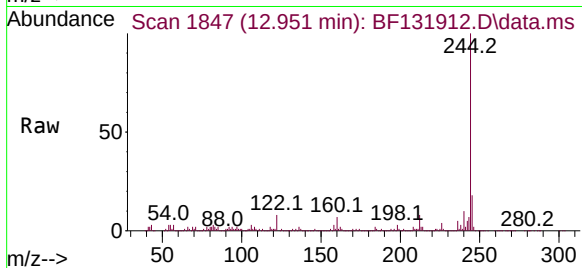




#79
 Terphenyl-d14
 Concen: 25.675 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

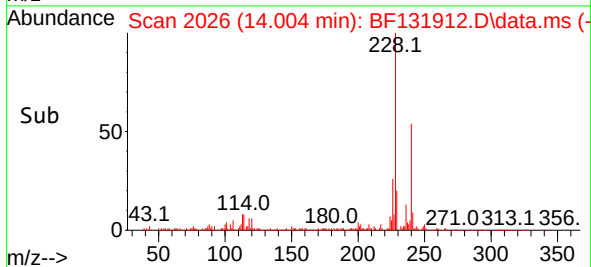
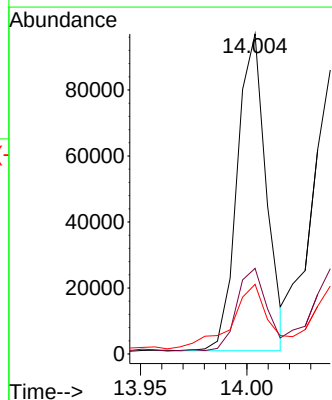
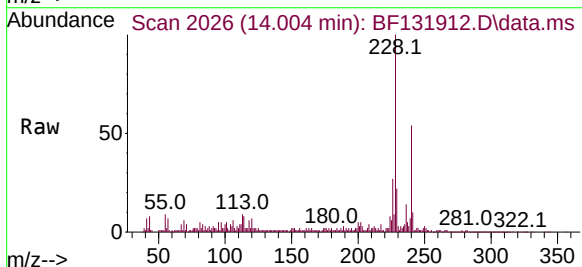
Instrument :
 BNA_F
 ClientSampleId :
 EO-1-010323

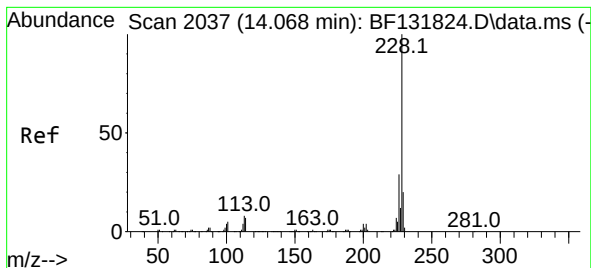
Tgt Ion:244 Resp: 228567
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 7.9 6.4 9.6



#81
 Benzo(a)anthracene
 Concen: 8.353 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

Tgt Ion:228 Resp: 91070
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.0 33.0
 229 21.7 16.0 24.0





#83

Chrysene

Concen: 8.118 ng

RT: 14.039 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

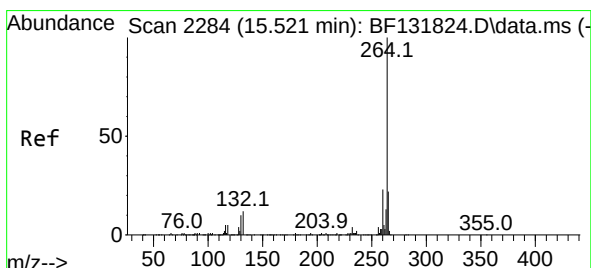
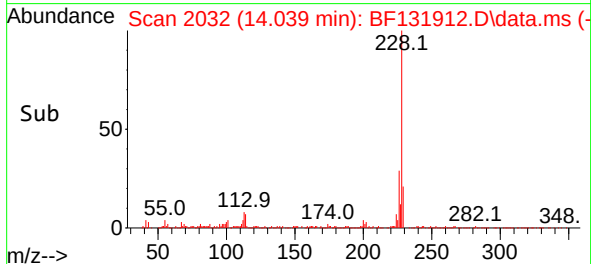
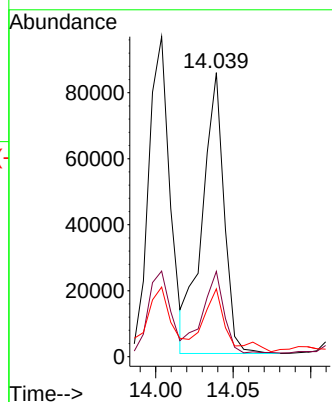
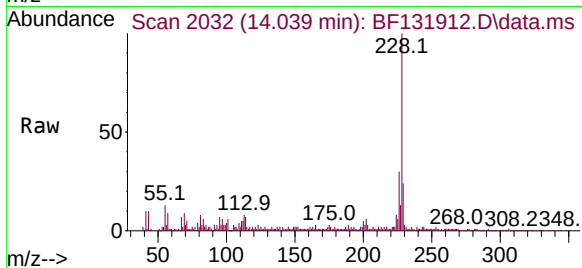
Tgt Ion:228 Resp: 83173

Ion Ratio Lower Upper

228 100

226 30.0 23.5 35.3

229 23.9 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

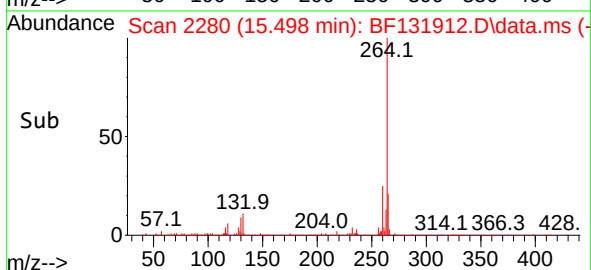
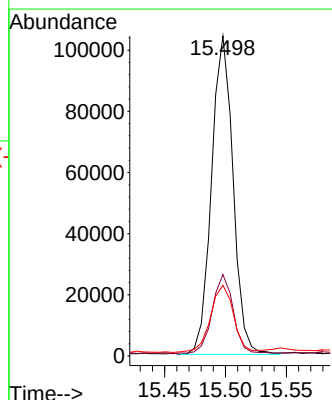
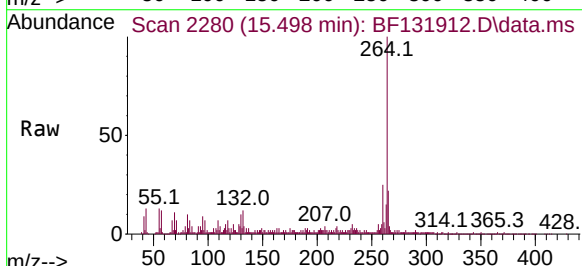
Tgt Ion:264 Resp: 127896

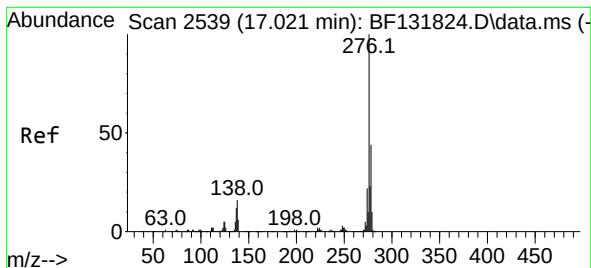
Ion Ratio Lower Upper

264 100

260 25.5 18.6 28.0

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.910 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

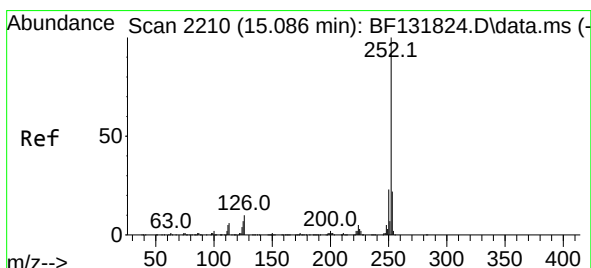
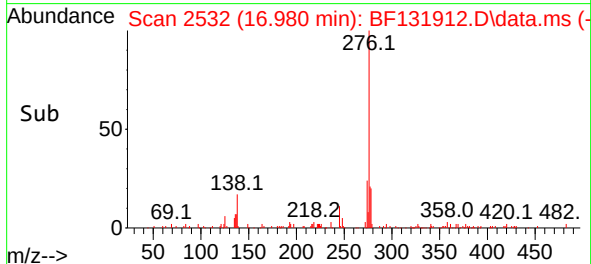
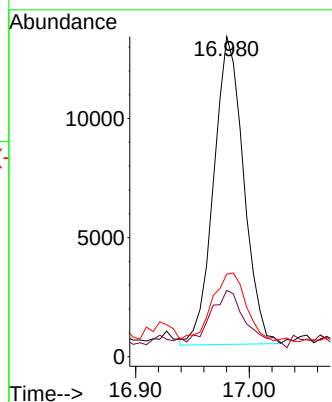
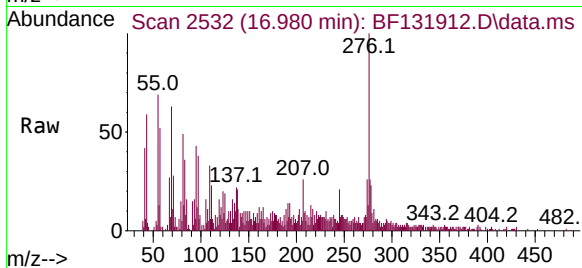
Tgt Ion:276 Resp: 23646

Ion Ratio Lower Upper

276 100

138 22.7 14.5 21.7#

277 24.5 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 11.090 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

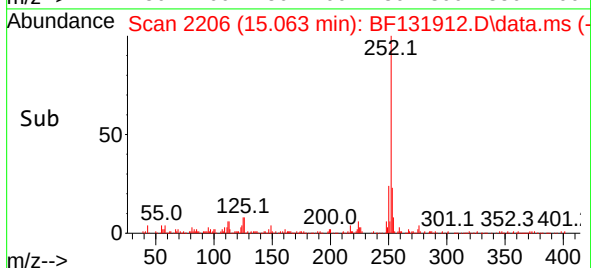
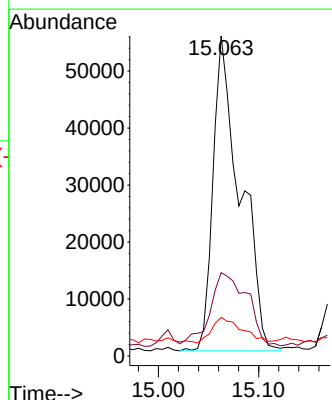
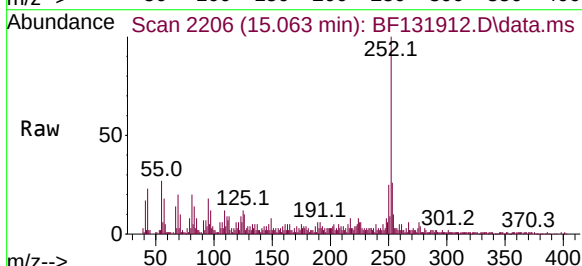
Tgt Ion:252 Resp: 104000

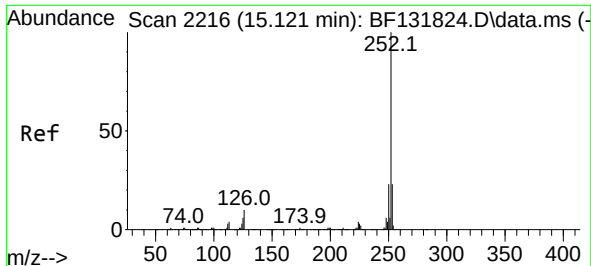
Ion Ratio Lower Upper

252 100

253 26.0 17.6 26.4

125 12.0 5.8 8.8#





#89

Benzo(k)fluoranthene

Concen: 11.478 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

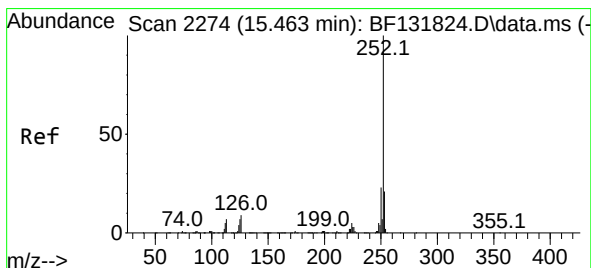
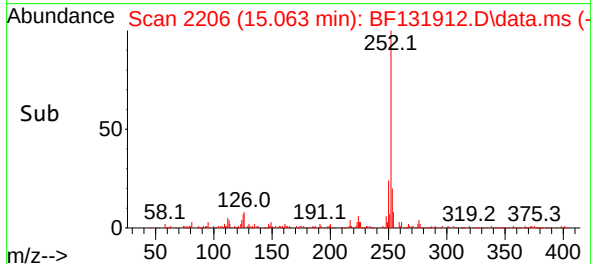
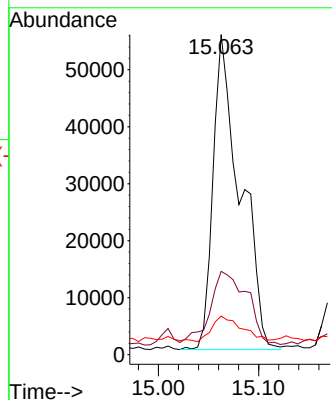
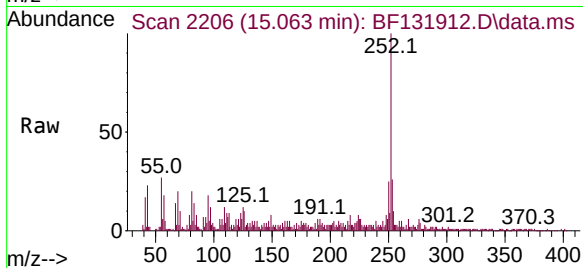
Tgt Ion:252 Resp: 104000

Ion Ratio Lower Upper

252 100

253 26.0 17.7 26.5

125 12.0 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 7.646 ng

RT: 15.433 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

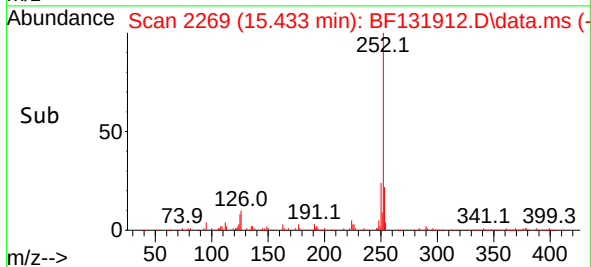
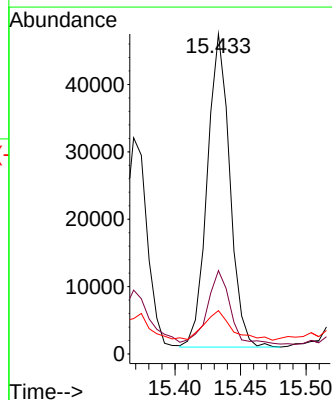
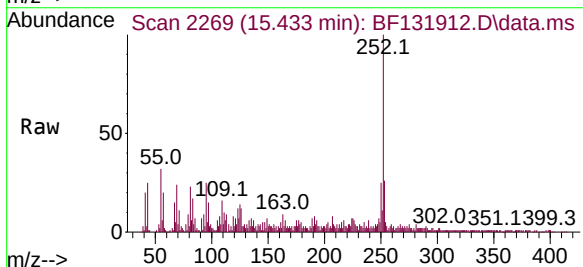
Tgt Ion:252 Resp: 55511

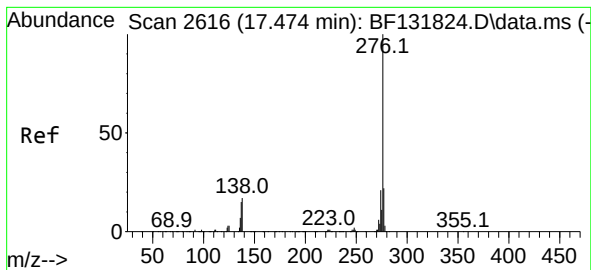
Ion Ratio Lower Upper

252 100

253 26.1 16.6 24.8#

125 13.5 5.8 8.8#





#92

Benzo(g,h,i)perylene

Concen: 7.800 ng

RT: 17.433 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF131912.D

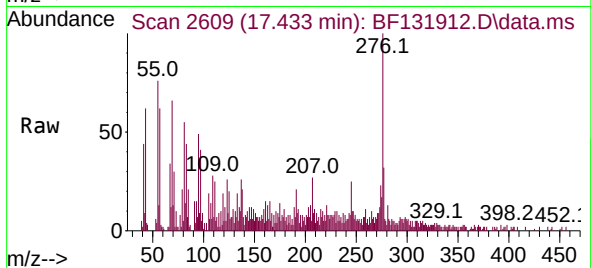
Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323



Tgt Ion:276 Resp: 22564

Ion Ratio Lower Upper

276 100

277 32.0 17.9 26.9#

138 21.3 13.7 20.5#

