

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126031.D
 Acq On : 3 Nov 2021 21:27
 Operator : JU/CG
 Sample : M4427-08 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-2-20211029-6.5-7

Quant Time: Nov 04 10:12:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

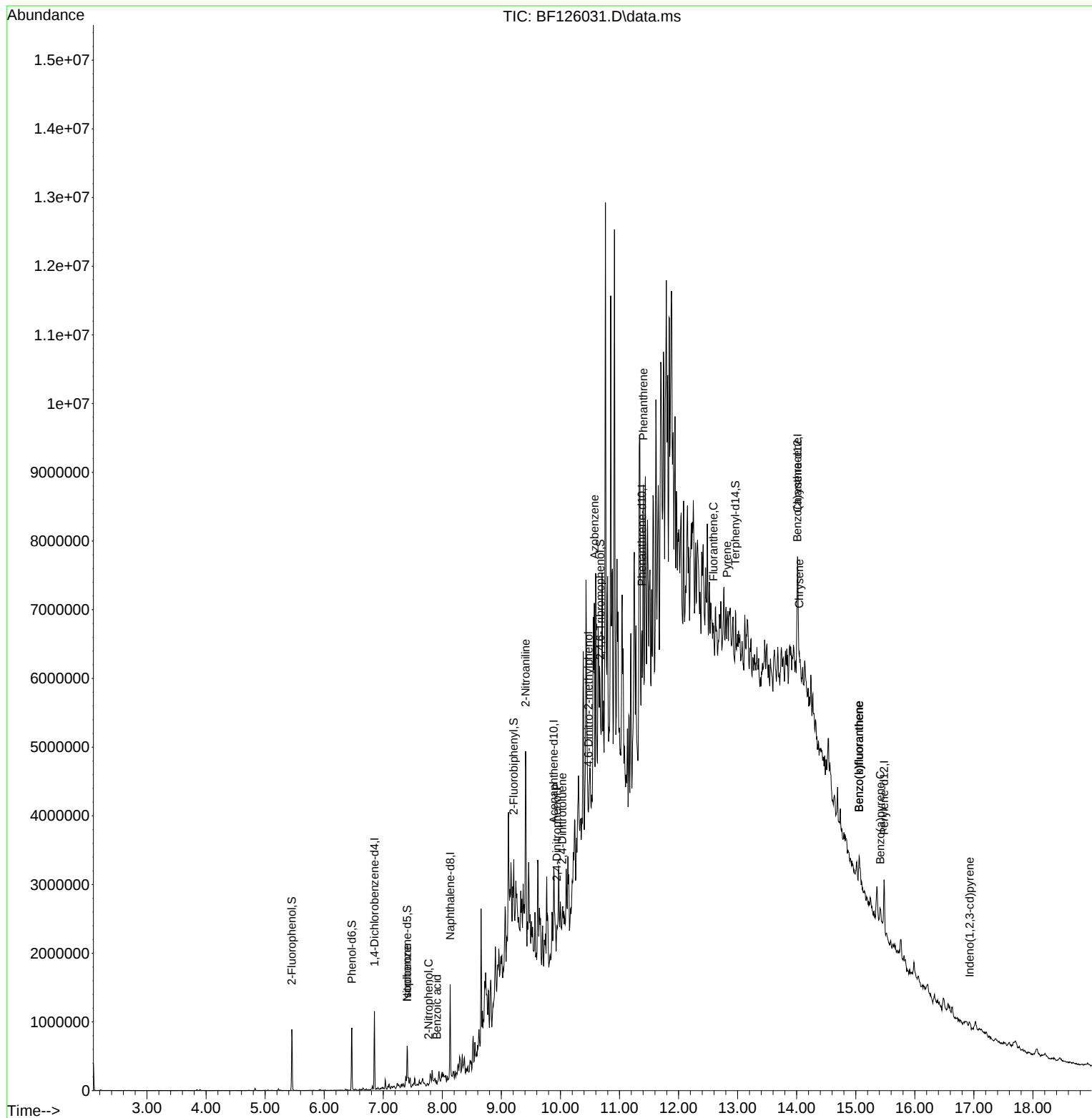
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	132928	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	454393	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	227860	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	377135	20.000	ng	0.00
76) Chrysene-d12	14.015	240	354556	20.000	ng	0.00
86) Perylene-d12	15.480	264	339034	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	179827	23.232	ng	-0.01
7) Phenol-d6	6.469	99	235347	21.568	ng	-0.02
23) Nitrobenzene-d5	7.404	82	162420	16.857	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	54717	20.954	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	290128	17.207	ng	0.00
79) Terphenyl-d14	12.962	244	294469	13.393	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	106	Below Cal	#	1
25) Isophorone	7.404	82	159568	9.198	ng	# 59
26) 2-Nitrophenol	7.769	139	490	4.759	ng	# 19
32) Benzoic acid	7.910	122	227	9.189	ng	# 8
48) 2-Nitroaniline	9.410	65	13718	5.695	ng	# 17
54) 2,4-Dinitrophenol	9.939	184	122	6.831	ng	# 1
57) 2,4-Dinitrotoluene	10.033	165	983	3.389	ng	# 36
63) Azobenzene	10.574	77	68550	3.795	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.474	198	244	8.428	ng	# 1
71) Phenanthrene	11.404	178	101228	4.949	ng	# 88
75) Fluoranthene	12.592	202	185178	8.131	ng	# 36
78) Pyrene	12.821	202	168651	5.931	ng	# 66
81) Benzo(a)anthracene	14.009	228	128081	5.258	ng	# 89
83) Chrysene	14.045	228	108046	4.767	ng	# 87
87) Indeno(1,2,3-cd)pyrene	16.927	276	59493	2.965	ng	# 84
88) Benzo(b)fluoranthene	15.056	252	200506	9.092	ng	# 65
89) Benzo(k)fluoranthene	15.056	252	200506	9.373	ng	# 69
90) Benzo(a)pyrene	15.415	252	113826	6.552	ng	# 77

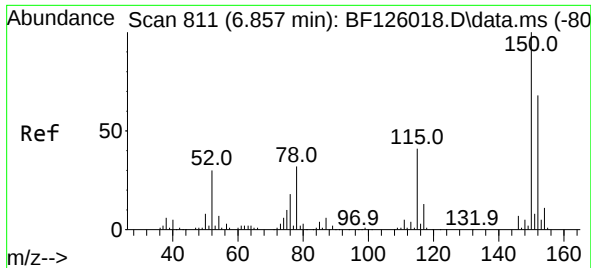
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126031.D
Acq On : 3 Nov 2021 21:27
Operator : JU/CG
Sample : M4427-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

Quant Time: Nov 04 10:12:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration

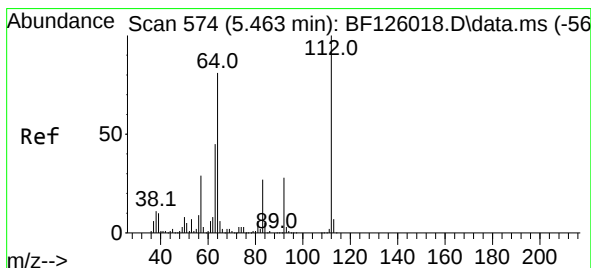
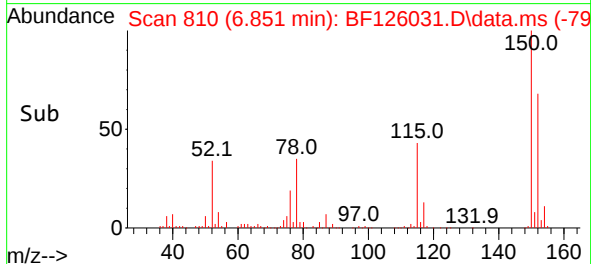
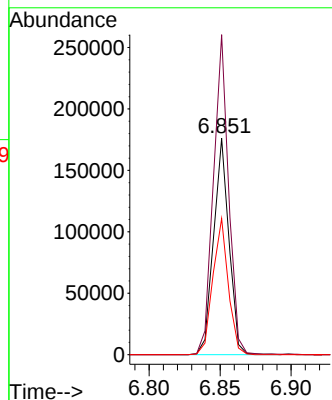
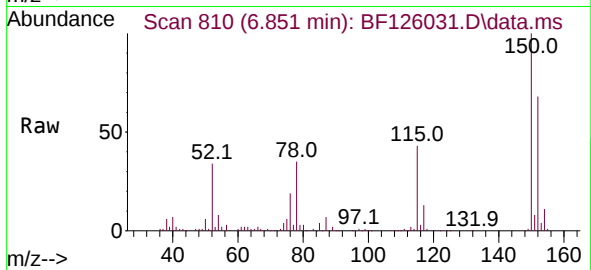




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

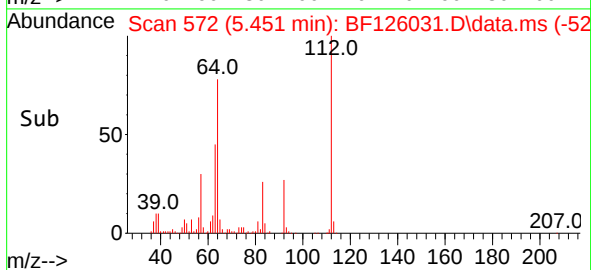
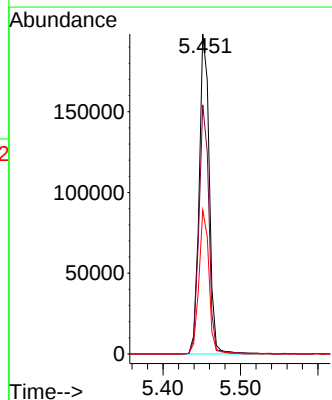
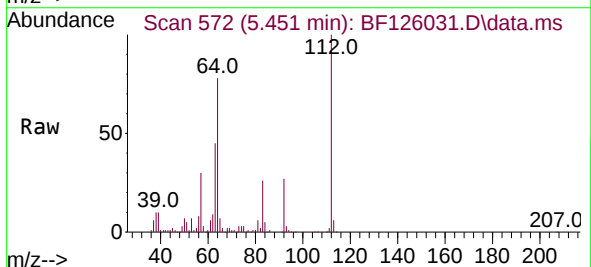
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

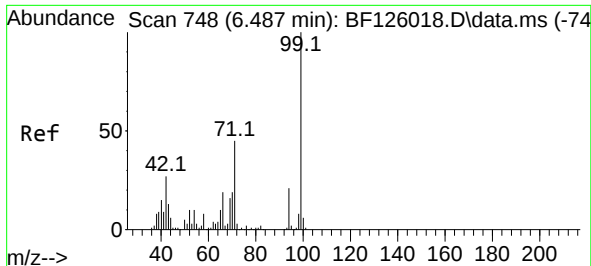
Tgt Ion:152 Resp: 132928
Ion Ratio Lower Upper
152 100
150 147.8 117.6 176.4
115 62.9 47.1 70.7



#5
2-Fluorophenol
Concen: 23.232 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

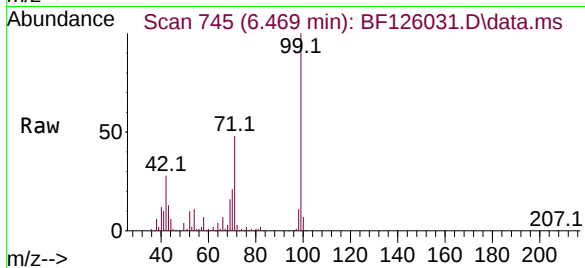
Tgt Ion:112 Resp: 179827
Ion Ratio Lower Upper
112 100
64 77.8 44.2 66.2#
63 44.9 26.2 39.2#



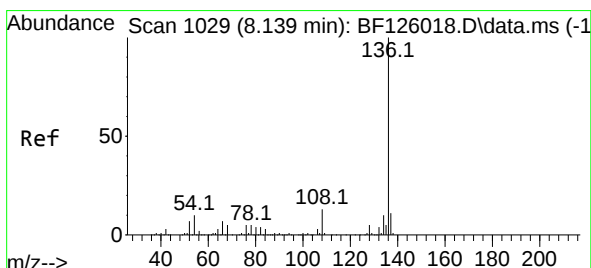
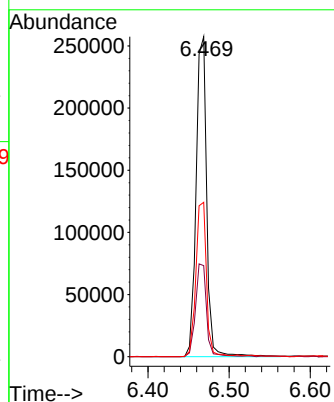
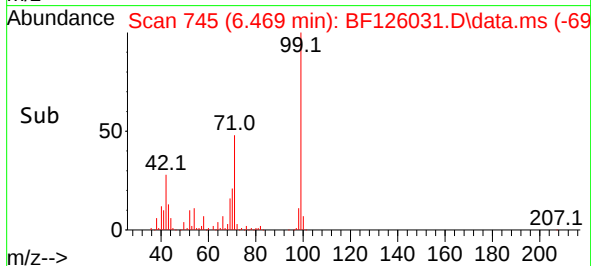


#7
Phenol-d6
Concen: 21.568 ng
RT: 6.469 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

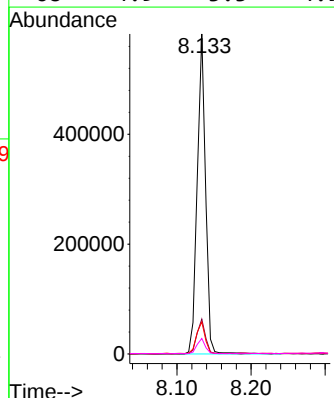
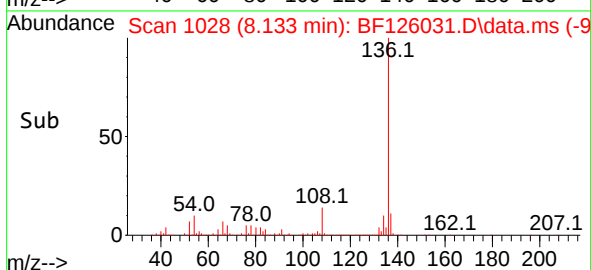
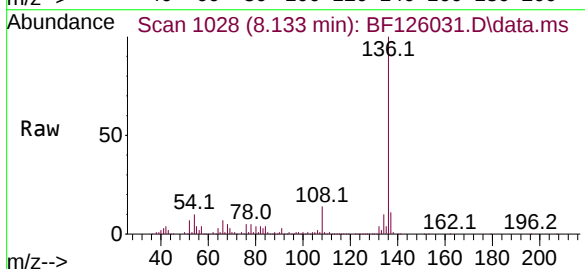


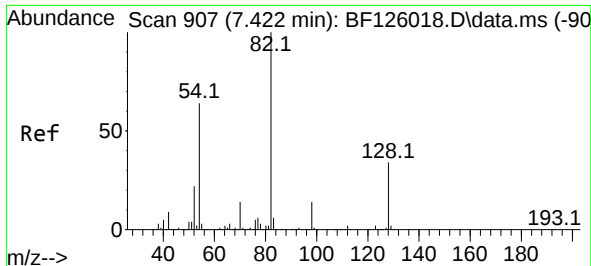
Tgt Ion: 99 Resp: 235347
Ion Ratio Lower Upper
99 100
42 28.5 23.5 35.3
71 48.3 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion: 136 Resp: 454393
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 10.0 6.4 9.6#
68 4.9 3.3 4.9





#23

Nitrobenzene-d5

Concen: 16.857 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

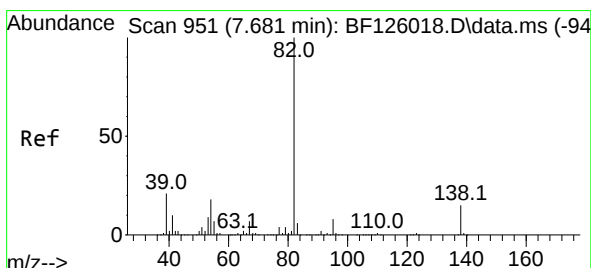
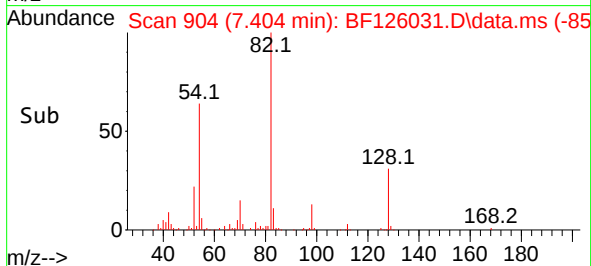
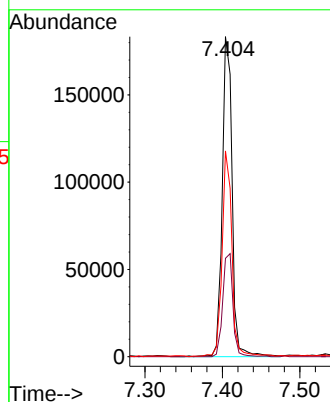
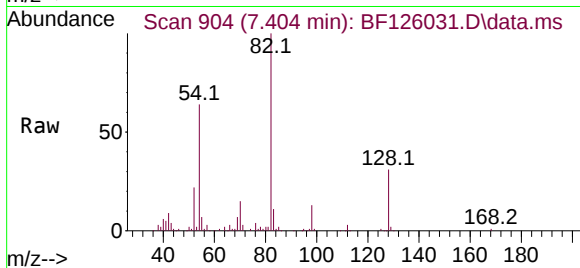
ClientSampleId :

FDR-BH-2-20211029-6.5-7

Tgt Ion: 82 Resp: 162420

Ion Ratio Lower Upper

82	100		
128	30.7	40.6	60.8#
54	64.3	49.6	74.4



#25

Isophorone

Concen: 9.198 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.277 min

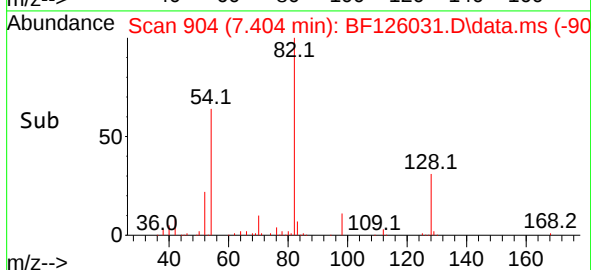
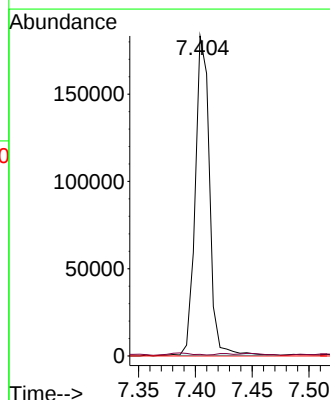
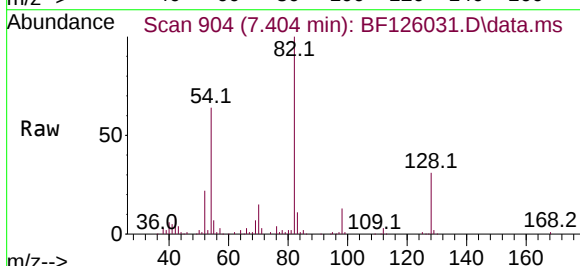
Lab File: BF126031.D

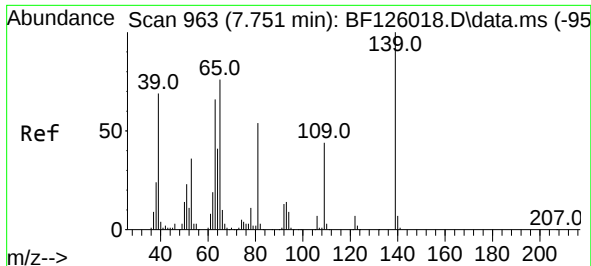
Acq: 3 Nov 2021 21:27

Tgt Ion: 82 Resp: 159568

Ion Ratio Lower Upper

82	100		
95	0.5	6.5	9.7#
138	0.0	18.4	27.6#

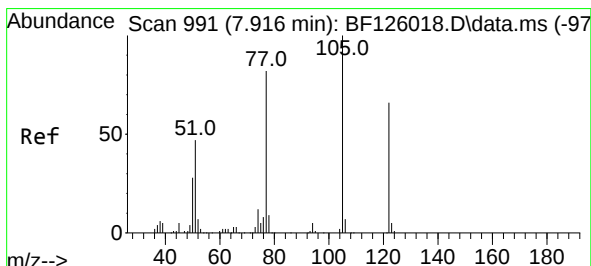
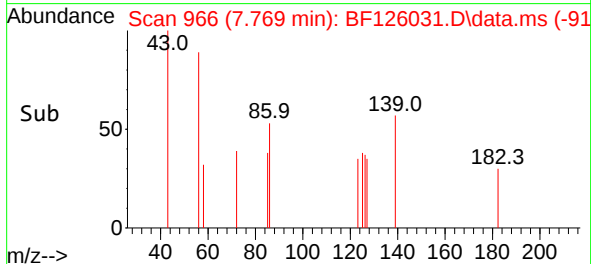
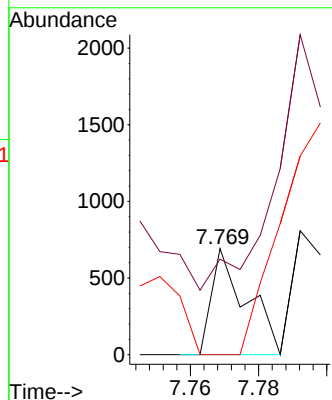
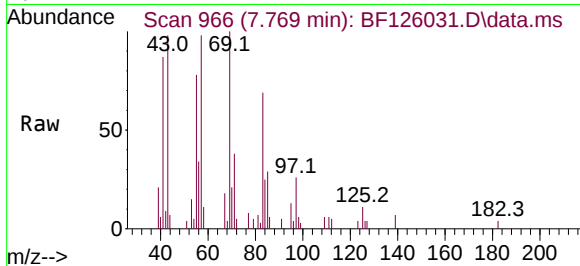




#26
2-Nitrophenol
Concen: 4.759 ng
RT: 7.769 min Scan# 90
Delta R.T. 0.018 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

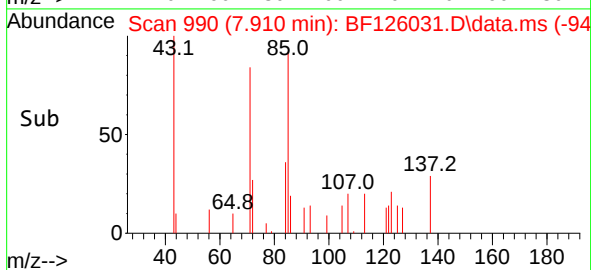
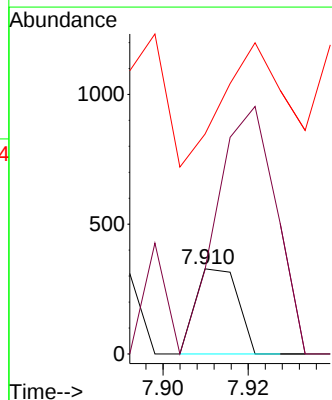
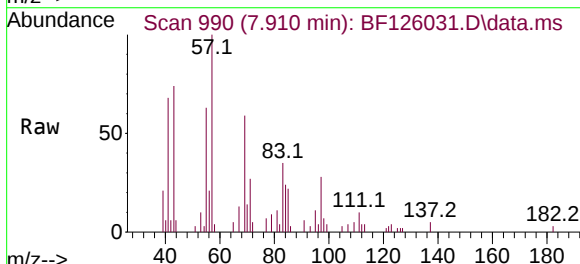
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

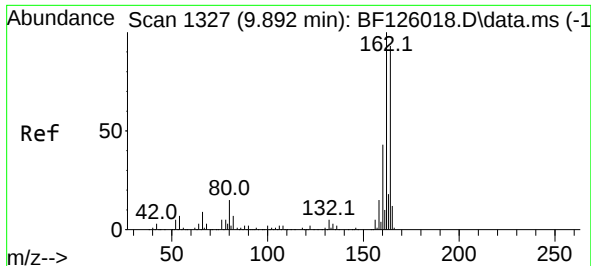
Tgt Ion:139 Resp: 490
Ion Ratio Lower Upper
139 100
109 90.0 26.0 39.0#
65 0.0 31.0 46.4#



#32
Benzoic acid
Concen: 9.189 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

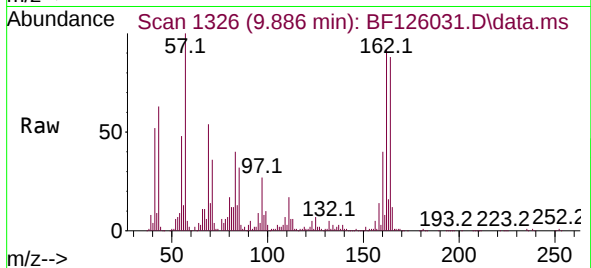
Tgt Ion:122 Resp: 227
Ion Ratio Lower Upper
122 100
105 98.8 97.6 137.6
77 258.2 59.6 99.6#



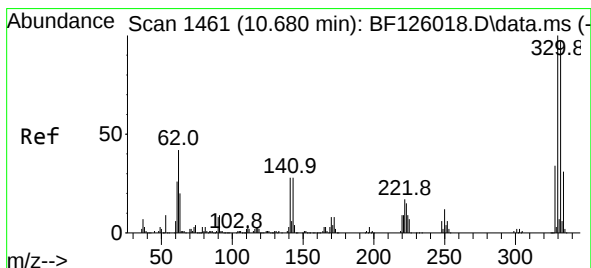
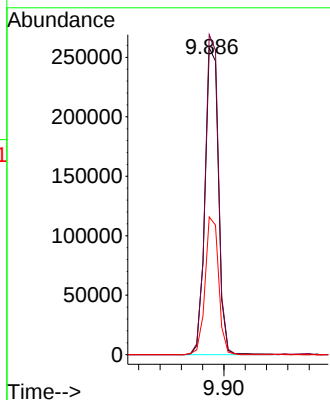
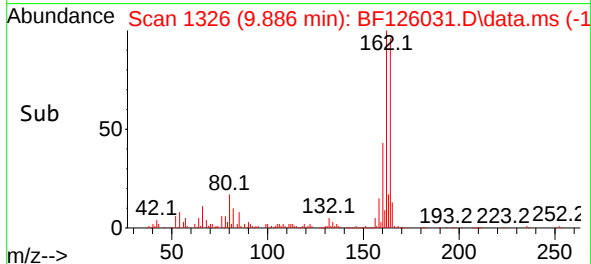


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

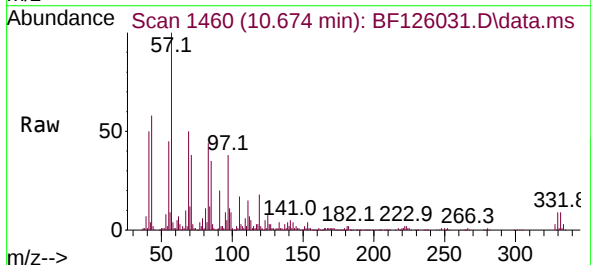
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7



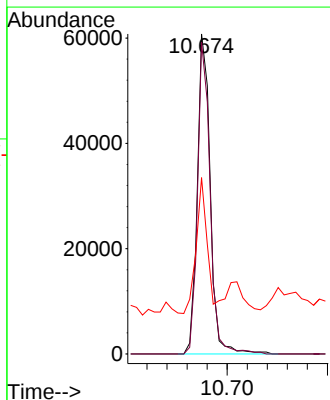
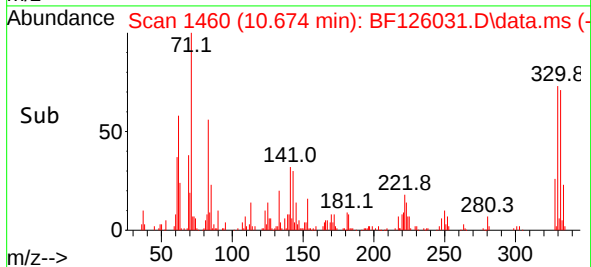
Tgt Ion:164 Resp: 227860
Ion Ratio Lower Upper
164 100
162 104.3 81.3 121.9
160 44.9 38.0 57.0

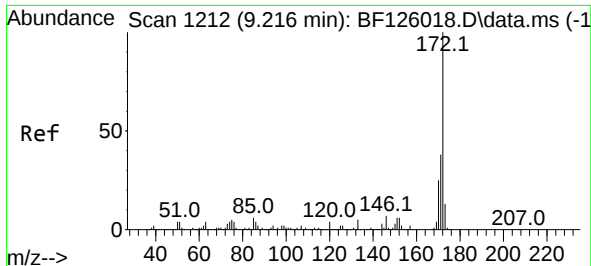


#42
2,4,6-Tribromophenol
Concen: 20.954 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27



Tgt Ion:330 Resp: 54717
Ion Ratio Lower Upper
330 100
332 94.9 76.2 114.4
141 36.8 44.6 66.8#

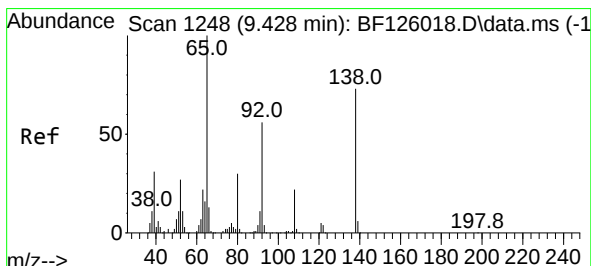
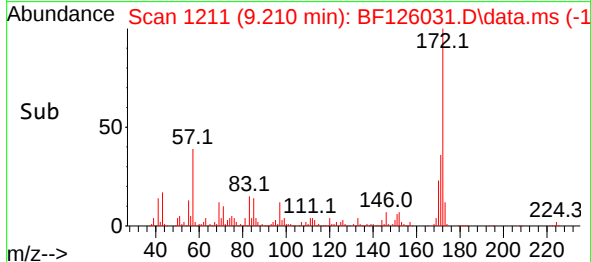
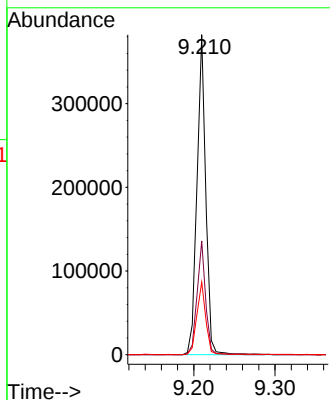
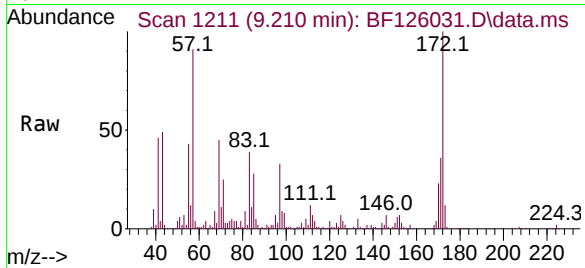




#45
2-Fluorobiphenyl
Concen: 17.207 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

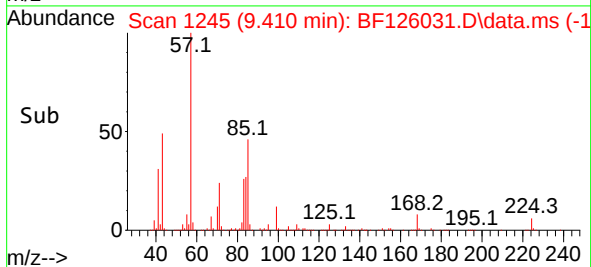
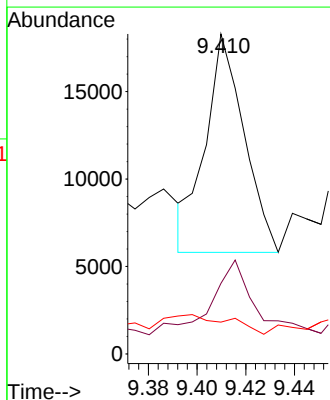
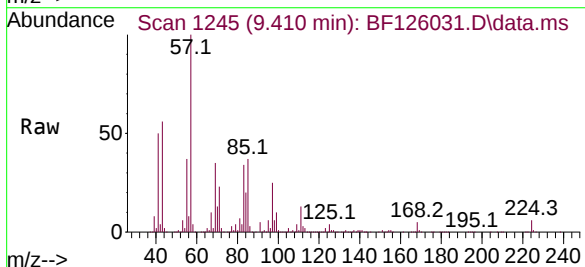
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

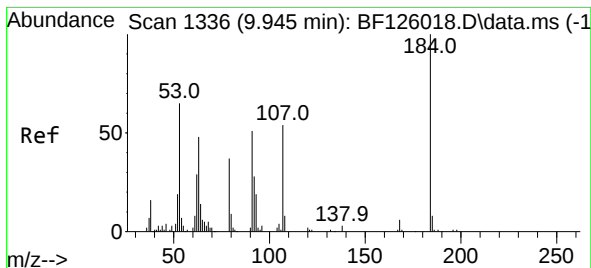
Tgt Ion:172 Resp: 290128
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 22.7 18.8 28.2



#48
2-Nitroaniline
Concen: 5.695 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.018 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion: 65 Resp: 13718
Ion Ratio Lower Upper
65 100
92 22.0 55.5 83.3#
138 9.9 93.5 140.3#





#54

2,4-Dinitrophenol

Concen: 6.831 ng

RT: 9.939 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

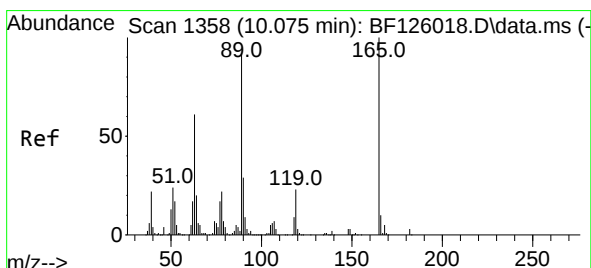
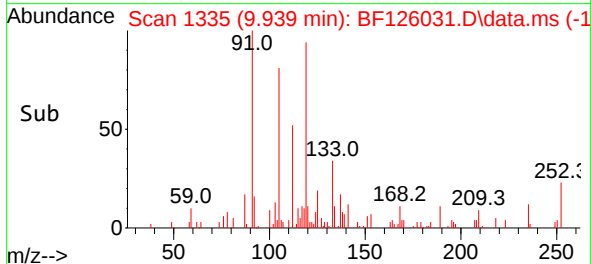
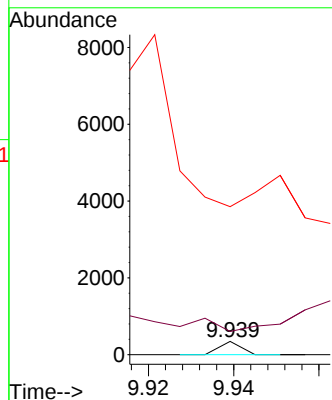
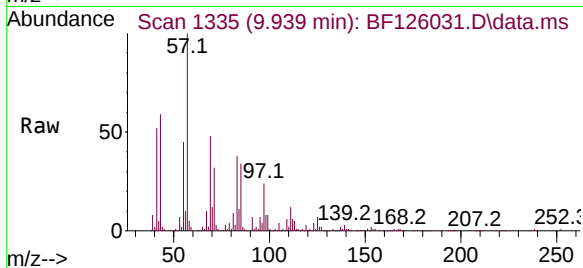
BNA_F

ClientSampleId :

FDR-BH-2-20211029-6.5-7

Tgt Ion:184 Resp: 122

Ion	Ratio	Lower	Upper
184	100		
63	175.7	59.3	88.9#
154	1117.4	68.6	102.8#



#57

2,4-Dinitrotoluene

Concen: 3.389 ng

RT: 10.033 min Scan# 1351

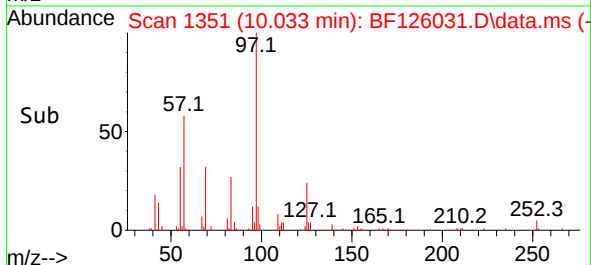
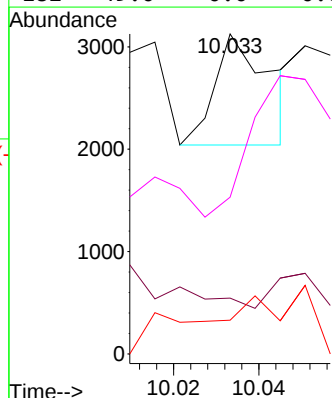
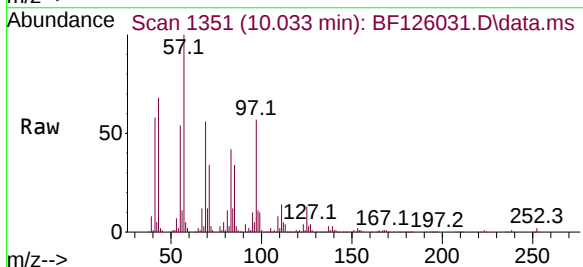
Delta R.T. -0.042 min

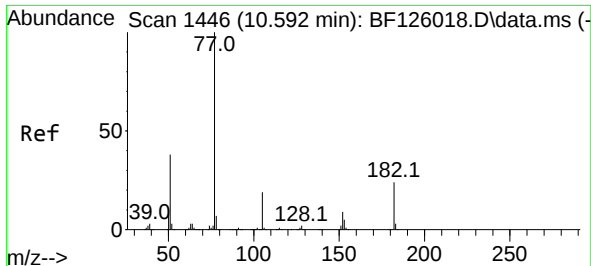
Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Tgt Ion:165 Resp: 983

Ion	Ratio	Lower	Upper
165	100		
63	17.5	40.9	61.3#
89	10.6	59.7	89.5#
182	49.0	0.0	0.0#

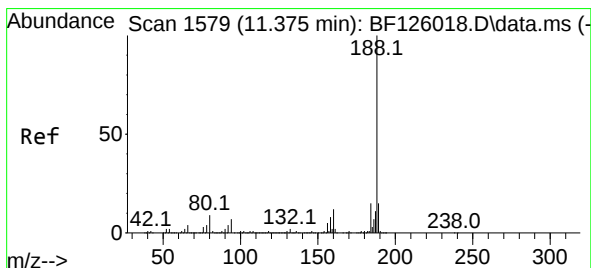
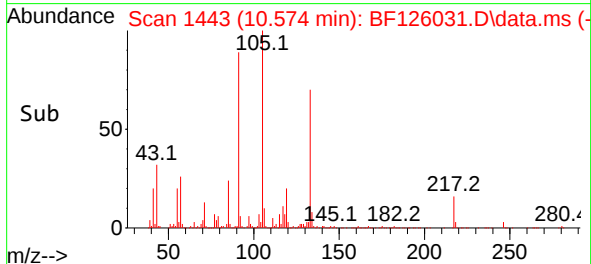
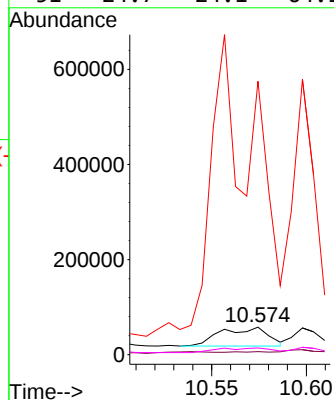
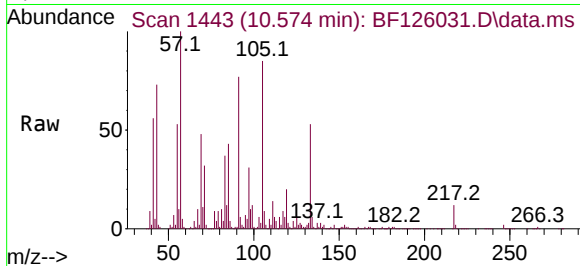




#63
Azobenzene
Concen: 3.795 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.018 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

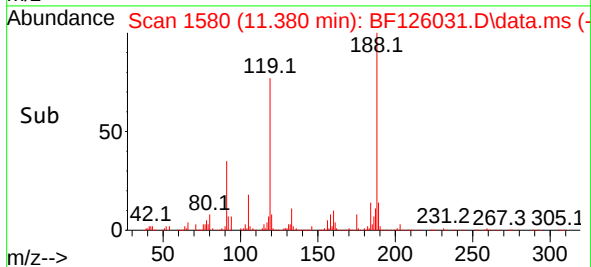
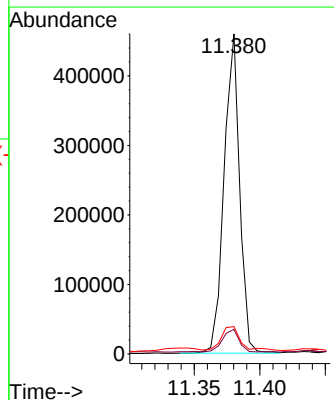
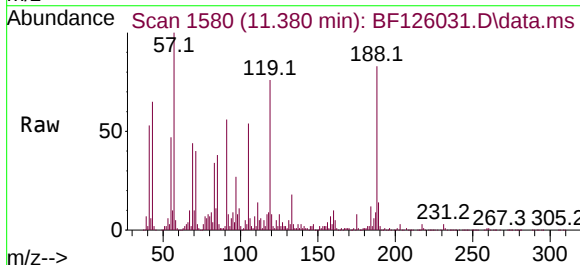
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

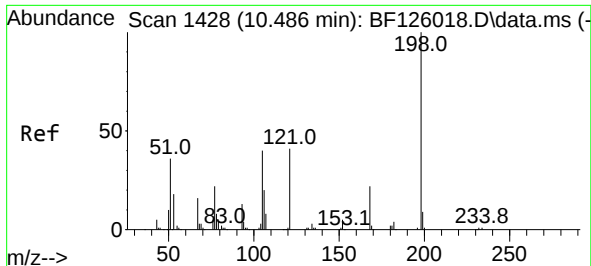
Tgt Ion: 77	Resp: 68550
Ion Ratio	Lower Upper
77 100	
182 11.3	6.3 46.3
105 993.9	2.9 42.9#
51 24.7	24.1 64.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.005 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:188	Resp: 377135
Ion Ratio	Lower Upper
188 100	
94 7.7	6.7 10.1
80 8.6	7.5 11.3

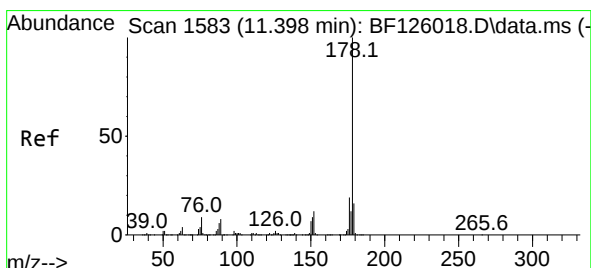
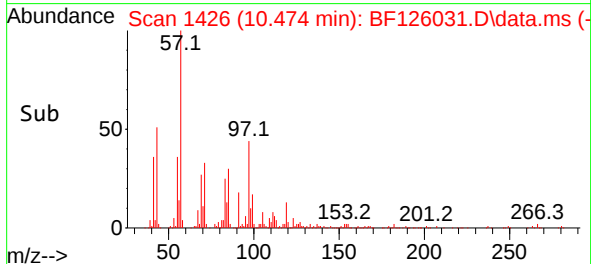
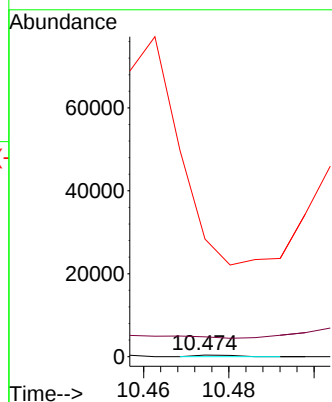
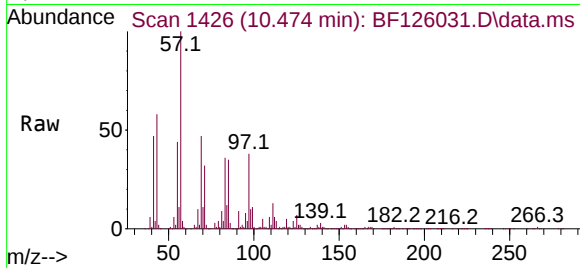




#65
4,6-Dinitro-2-methylphenol
Concen: 8.428 ng
RT: 10.474 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

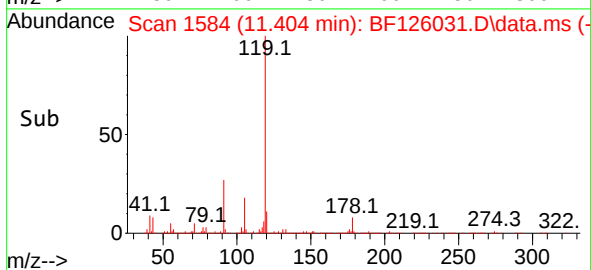
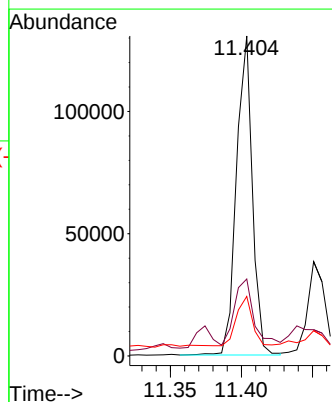
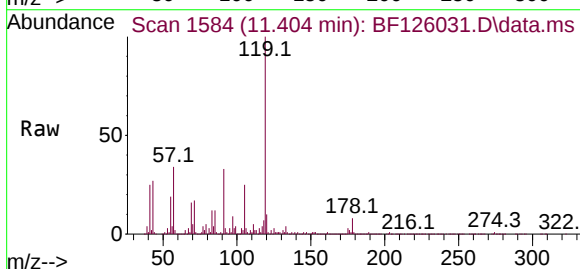
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

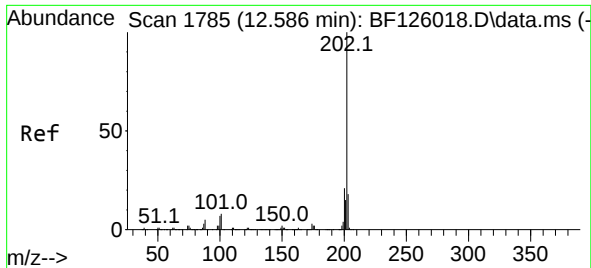
Tgt Ion:198 Resp: 244
Ion Ratio Lower Upper
198 100
51 1232.8 45.3 85.3#
105 7328.2 30.6 70.6#



#71
Phenanthrene
Concen: 4.949 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:178 Resp: 101228
Ion Ratio Lower Upper
178 100
176 24.0 14.7 22.1#
179 18.6 11.5 17.3#

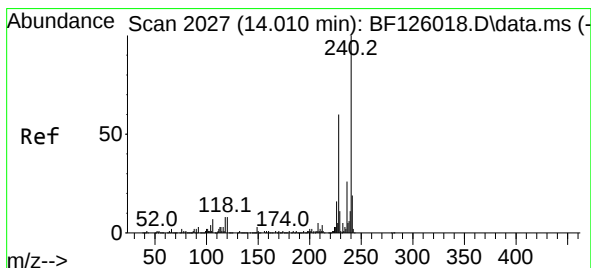
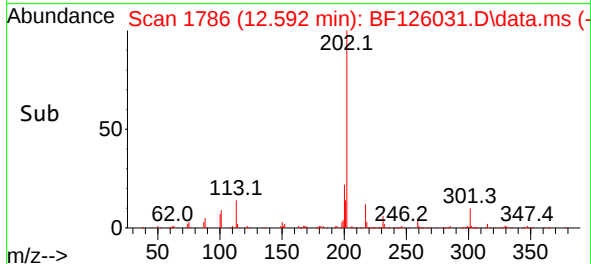
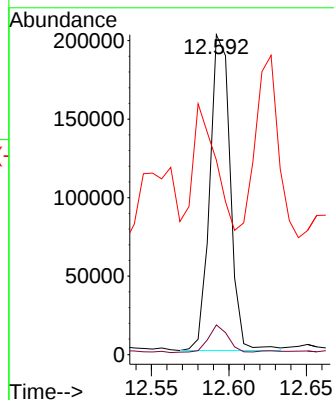
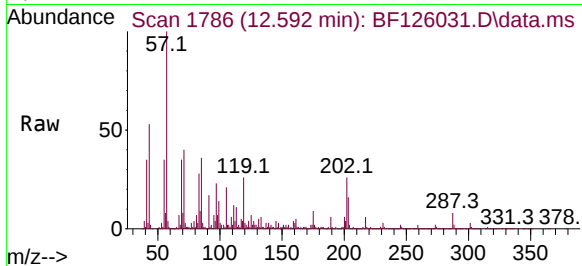




#75
Fluoranthene
Concen: 8.131 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

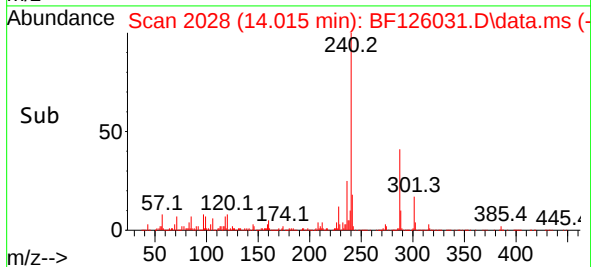
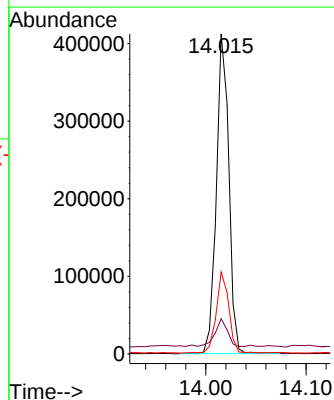
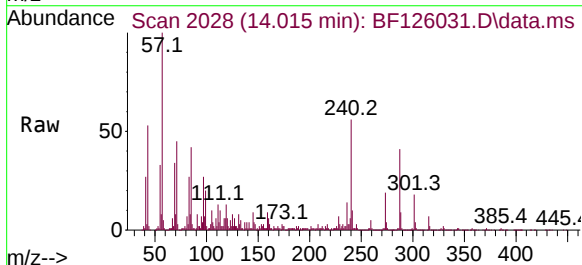
Instrument :
BNA_F
ClientSampleId :
FDR-BH-2-20211029-6.5-7

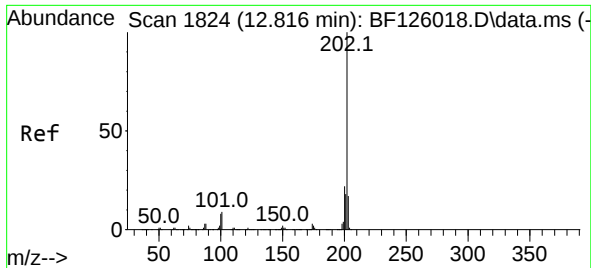
Tgt Ion:202 Resp: 185178
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.7
203 60.8 0.0 36.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.005 min
Lab File: BF126031.D
Acq: 3 Nov 2021 21:27

Tgt Ion:240 Resp: 354556
Ion Ratio Lower Upper
240 100
120 11.0 10.8 16.2
236 25.6 21.6 32.4

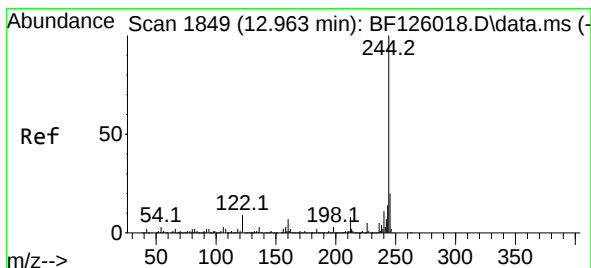
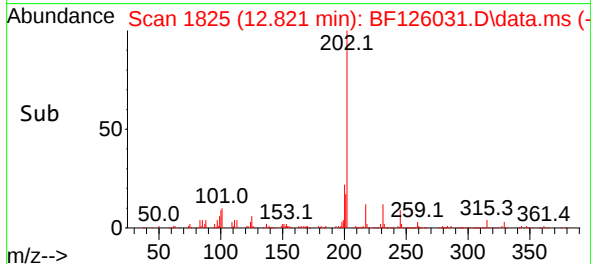
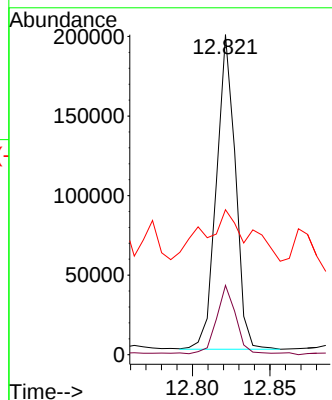
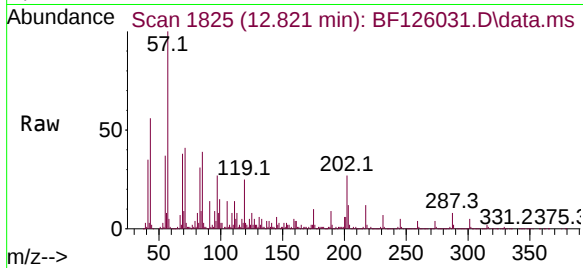




#78
 Pyrene
 Concen: 5.931 ng
 RT: 12.821 min Scan# 1824
 Delta R.T. 0.005 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

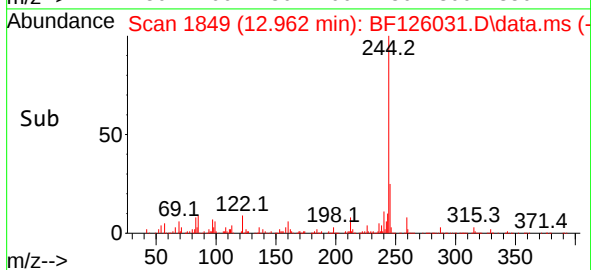
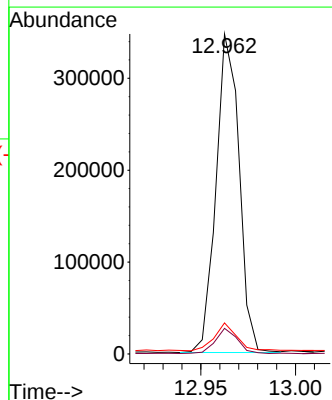
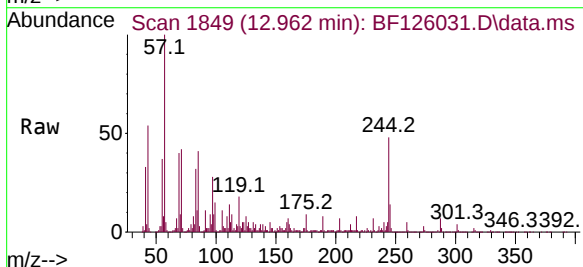
Instrument :
 BNA_F
 ClientSampleId :
 FDR-BH-2-20211029-6.5-7

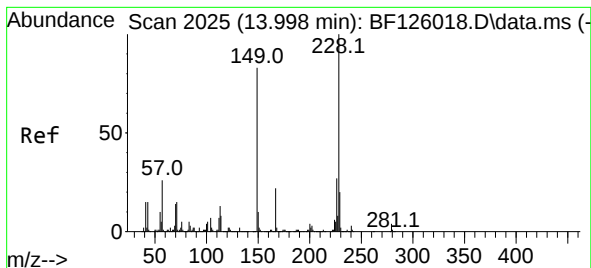
Tgt Ion:202 Resp: 168651
 Ion Ratio Lower Upper
 202 100
 200 21.7 15.3 22.9
 203 45.3 13.4 20.0#



#79
 Terphenyl-d14
 Concen: 13.393 ng
 RT: 12.962 min Scan# 1849
 Delta R.T. -0.001 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Tgt Ion:244 Resp: 294469
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 9.7 9.0 13.4





#81

Benzo(a)anthracene

Concen: 5.258 ng

RT: 14.009 min Scan# 2025

Delta R.T. 0.011 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

ClientSampleId :

FDR-BH-2-20211029-6.5-7

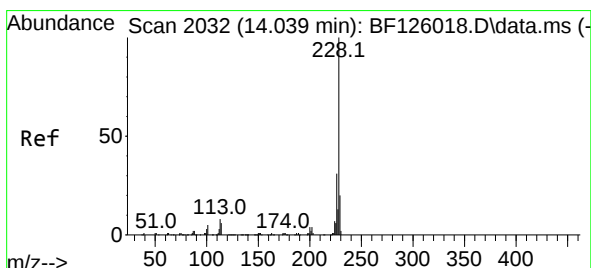
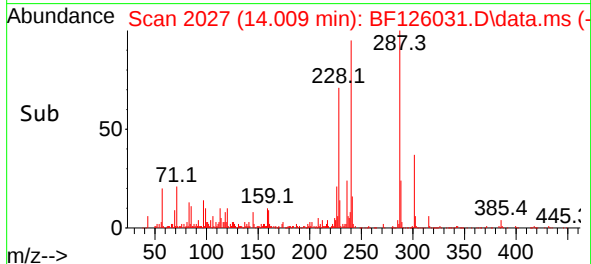
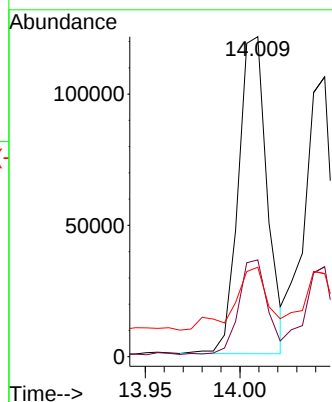
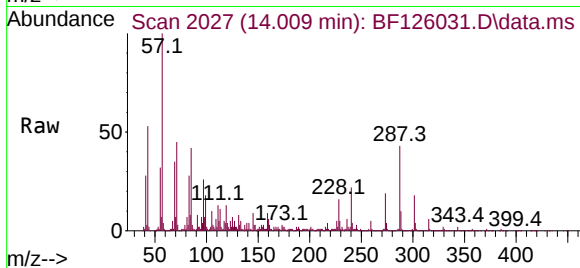
Tgt Ion:228 Resp: 128081

Ion Ratio Lower Upper

228 100

226 30.2 21.6 32.4

229 27.9 15.6 23.4#



#83

Chrysene

Concen: 4.767 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

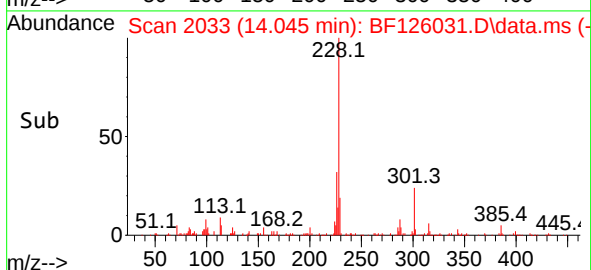
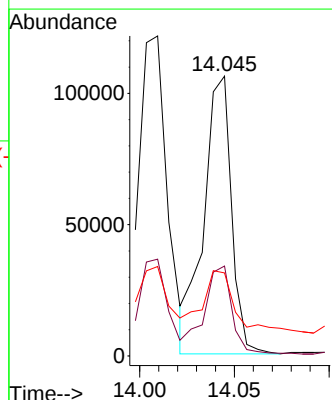
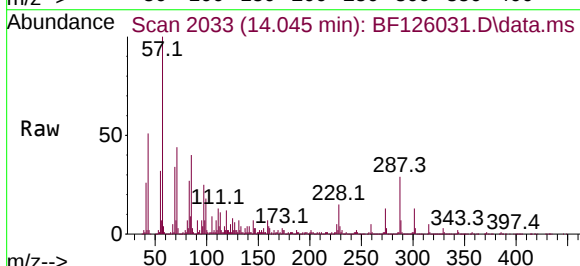
Tgt Ion:228 Resp: 108046

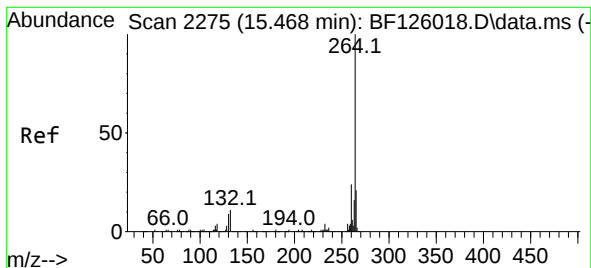
Ion Ratio Lower Upper

228 100

226 32.1 22.6 34.0

229 29.7 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

ClientSampleId :

FDR-BH-2-20211029-6.5-7

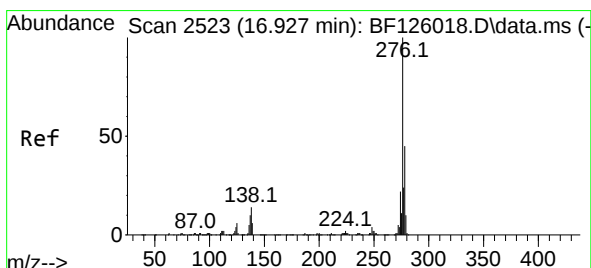
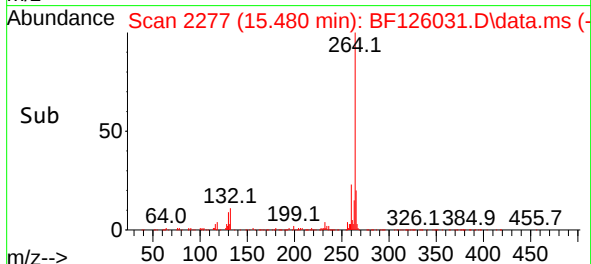
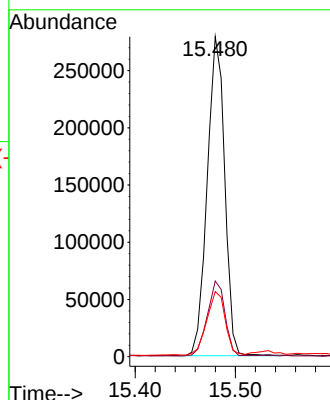
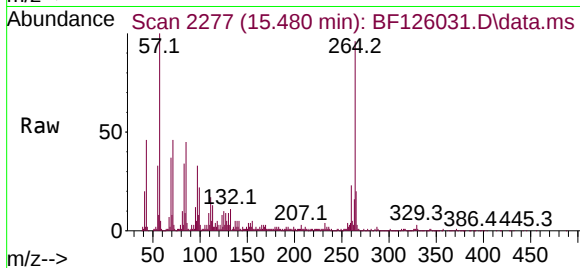
Tgt Ion:264 Resp: 339034

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 20.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.965 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

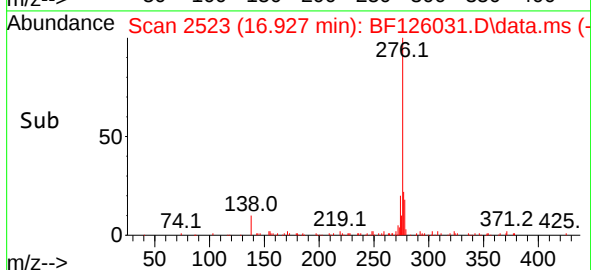
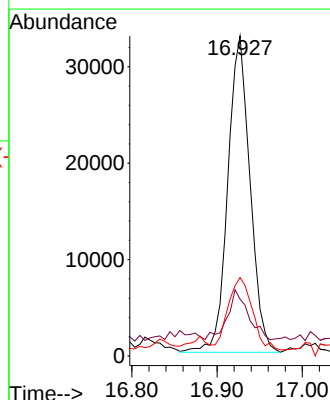
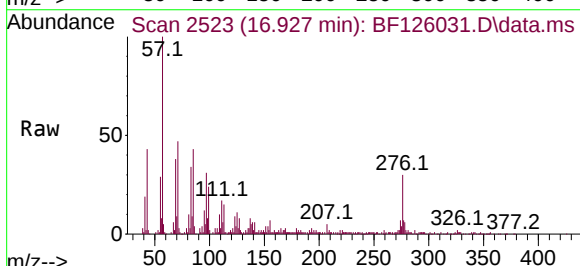
Tgt Ion:276 Resp: 59493

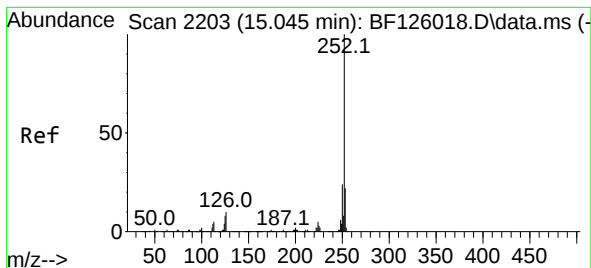
Ion Ratio Lower Upper

276 100

138 15.5 24.1 36.1#

277 24.5 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 9.092 ng

RT: 15.056 min Scan# 2205

Delta R.T. 0.011 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

ClientSampleId :

FDR-BH-2-20211029-6.5-7

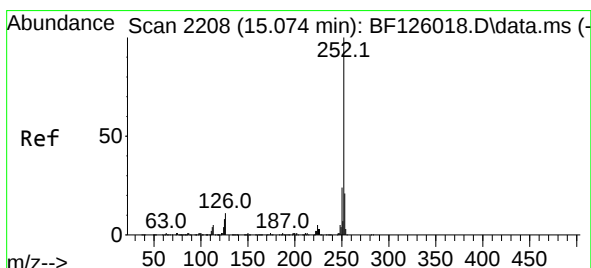
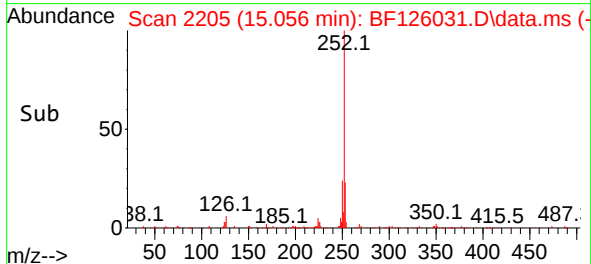
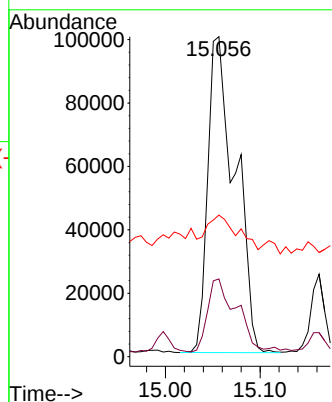
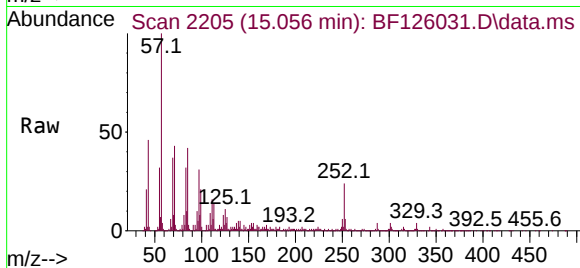
Tgt Ion:252 Resp: 200506

Ion Ratio Lower Upper

252 100

253 24.3 16.8 25.2

125 44.3 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 9.373 ng

RT: 15.056 min Scan# 2205

Delta R.T. -0.018 min

Lab File: BF126031.D

Acq: 3 Nov 2021 21:27

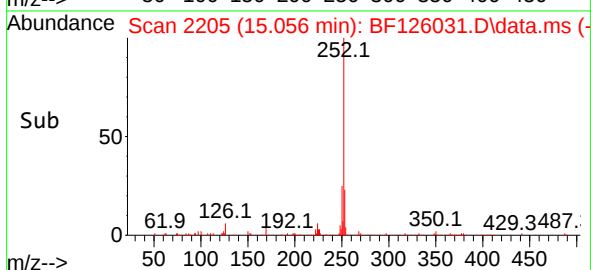
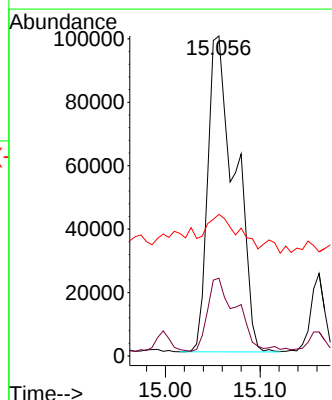
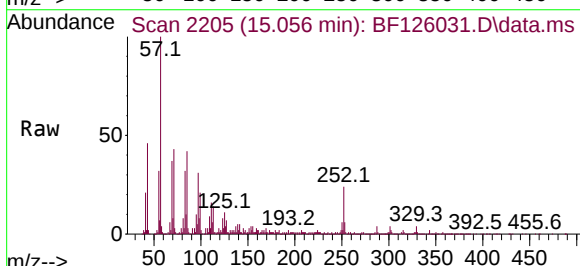
Tgt Ion:252 Resp: 200506

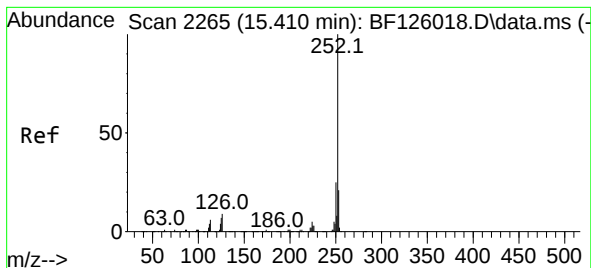
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

125 44.3 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.552 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.005 min

Lab File: BF126031.D

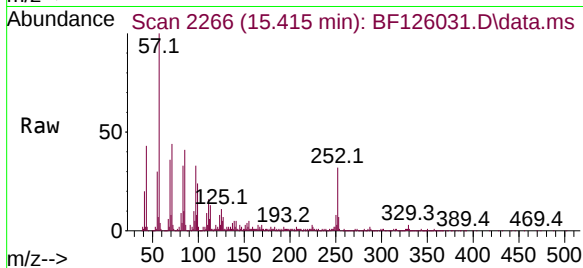
Acq: 3 Nov 2021 21:27

Instrument :

BNA_F

ClientSampleId :

FDR-BH-2-20211029-6.5-7



Tgt Ion:252 Resp: 113826

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 35.8 9.9 14.9#

