

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135025.D
 Acq On : 31 Aug 2023 02:25
 Operator : CG\JU
 Sample : 04197-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-309-OK-370-COMP-21

Quant Time: Aug 31 06:00:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

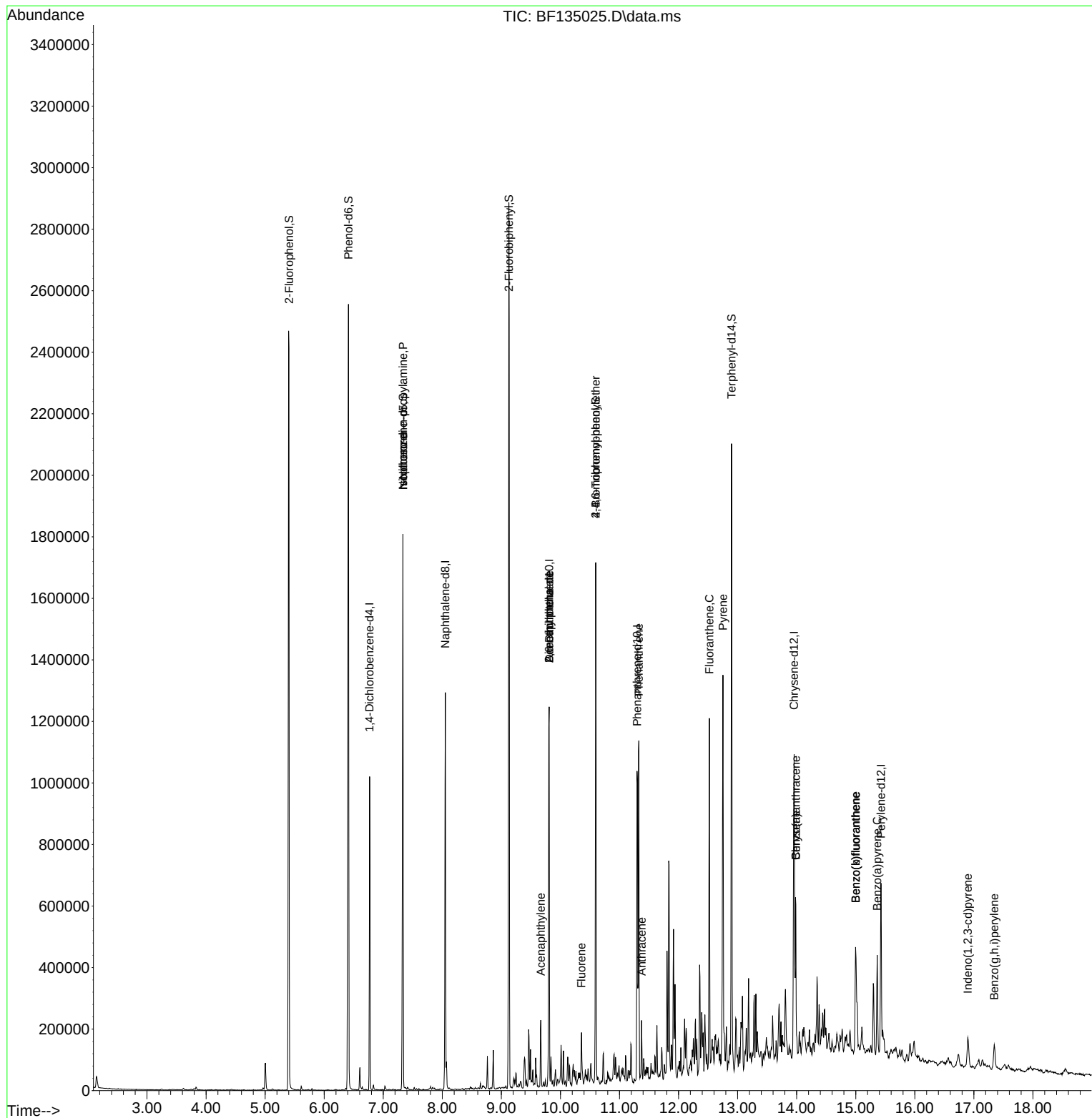
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	137398	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	550410	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	260462	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	396113	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	249593	20.000	ng	0.00
86) Perylene-d12	15.427	264	244563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	716146	80.509	ng	0.00
7) Phenol-d6	6.410	99	880257	79.393	ng	0.00
23) Nitrobenzene-d5	7.334	82	540724	55.192	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	184928	66.931	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	928607	58.046	ng	-0.01
79) Terphenyl-d14	12.898	244	681633	44.567	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	71530	10.861	ng	# 77
25) Isophorone	7.334	82	538971	29.016	ng	# 65
49) Acenaphthylene	9.669	152	71957	3.181	ng	98
50) Dimethylphthalate	9.810	163	54853	3.008	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	35439	8.856	ng	# 22
58) Fluorene	10.357	166	42023	2.651	ng	97
67) 4-Bromophenyl-phenylether	10.598	248	11782	2.804	ng	# 1
71) Phenanthrene	11.327	178	425223	20.808	ng	98
72) Anthracene	11.375	178	68882	3.299	ng	97
75) Fluoranthene	12.522	202	401687	19.441	ng	99
78) Pyrene	12.751	202	494918	20.884	ng	100
81) Benzo(a)anthracene	13.986	228	220181	12.932	ng	95
83) Chrysene	13.986	228	220181	13.159	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	60269	3.659	ng	96
88) Benzo(b)fluoranthene	14.998	252	250188	16.441	ng	98
89) Benzo(k)fluoranthene	14.998	252	250188	17.018	ng	97
90) Benzo(a)pyrene	15.363	252	146968	10.397	ng	99
92) Benzo(g,h,i)perylene	17.345	276	62775	4.524	ng	98

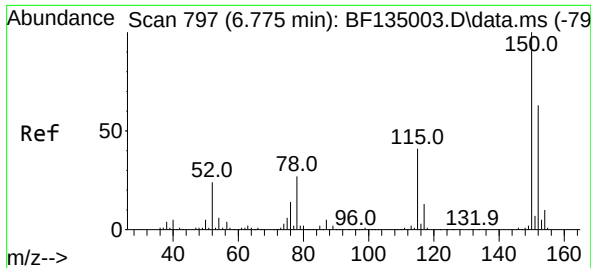
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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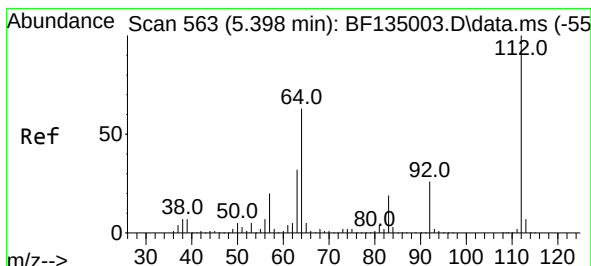
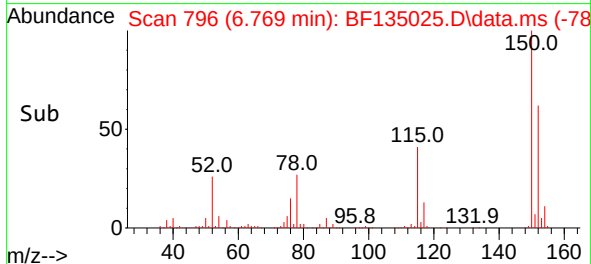
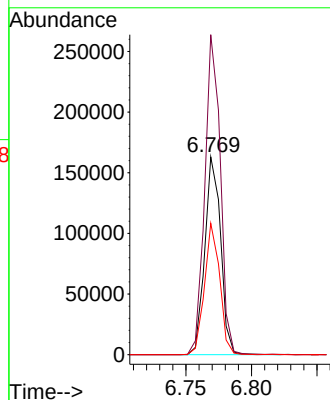
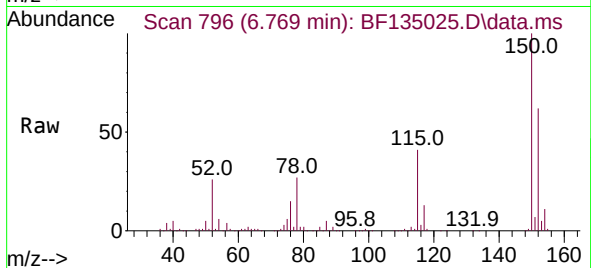




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

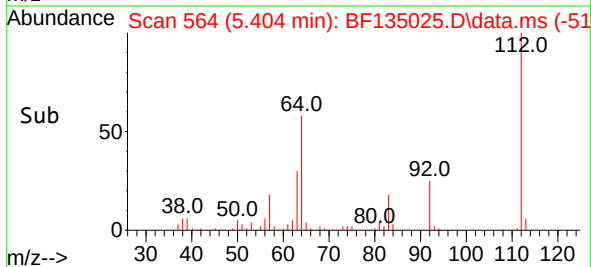
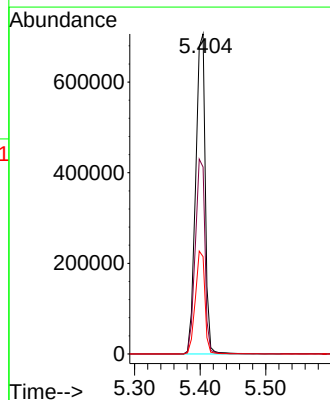
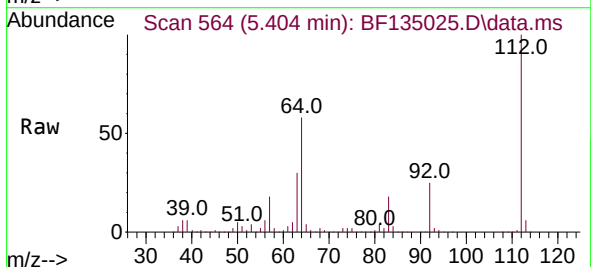
Instrument :
BNA_F
ClientSampleId :
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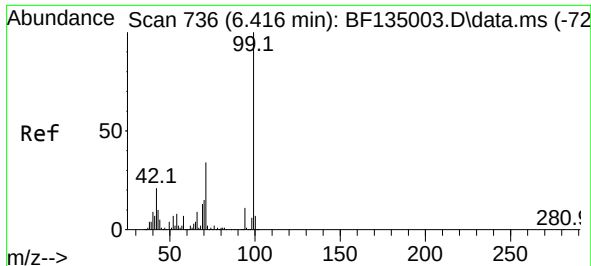
Tgt Ion:152 Resp: 137398
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.4
115 66.5 51.2 76.8



#5
2-Fluorophenol
Concen: 80.509 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

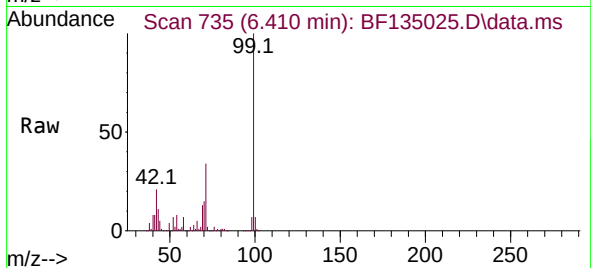
Tgt Ion:112 Resp: 716146
Ion Ratio Lower Upper
112 100
64 58.4 50.5 75.7
63 30.4 25.9 38.9





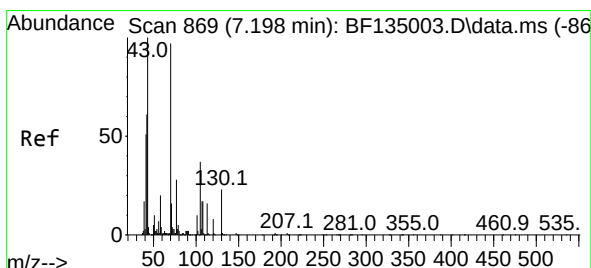
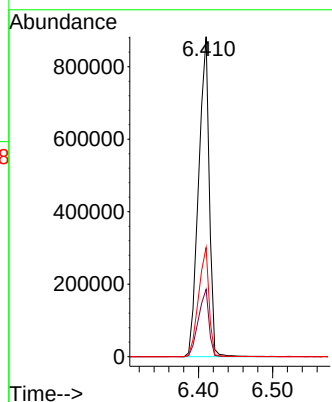
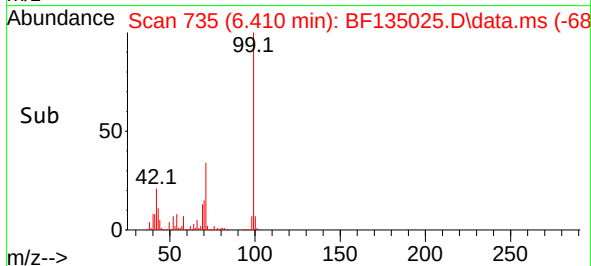
#7
Phenol-d6
Concen: 79.393 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Instrument :
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ClientSampleId :
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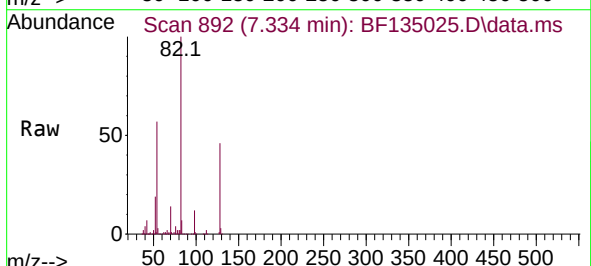


Tgt Ion: 99 Resp: 880257

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	25.0
71	34.1	27.0	40.6

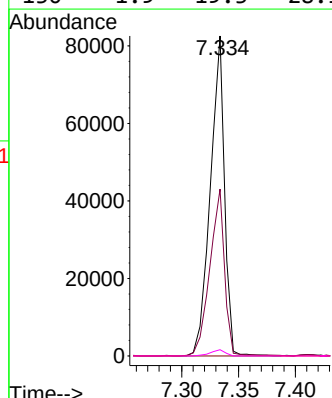
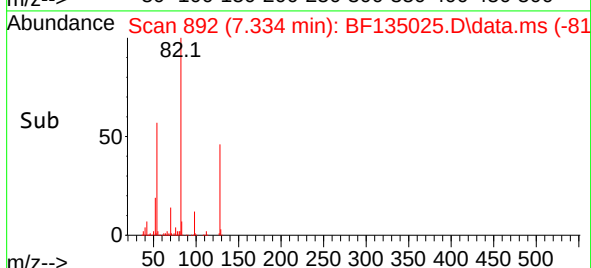


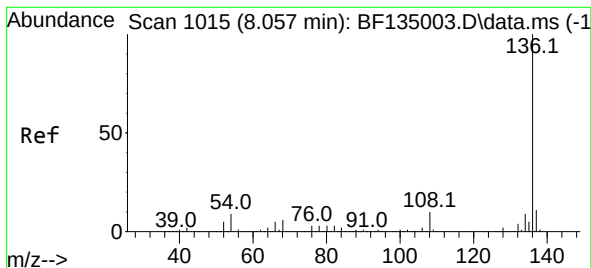
#19
n-Nitroso-di-n-propylamine
Concen: 10.861 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25



Tgt Ion: 70 Resp: 71530

Ion	Ratio	Lower	Upper
70	100		
42	52.1	50.2	75.4
101	0.0	8.1	12.1#
130	1.9	19.3	28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BF135025.D

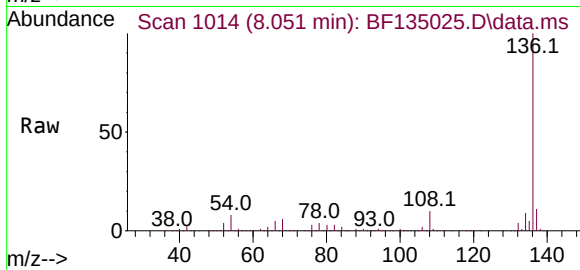
Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21



Tgt Ion:136 Resp: 550410

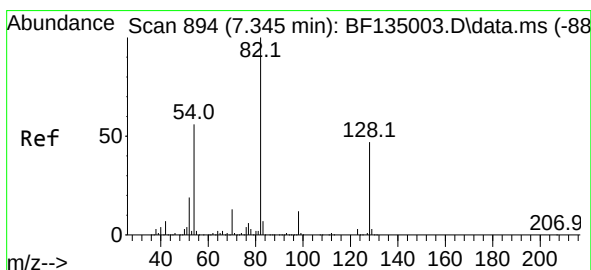
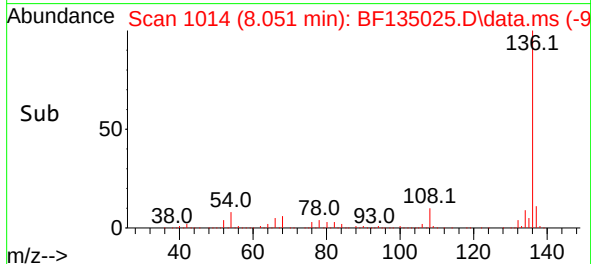
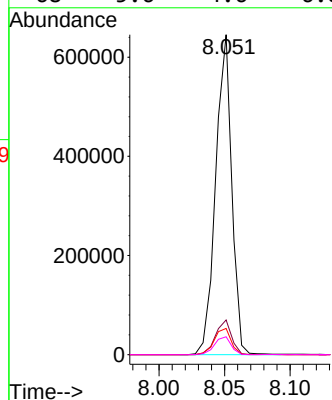
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.2 7.0 10.4

68 5.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 55.192 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

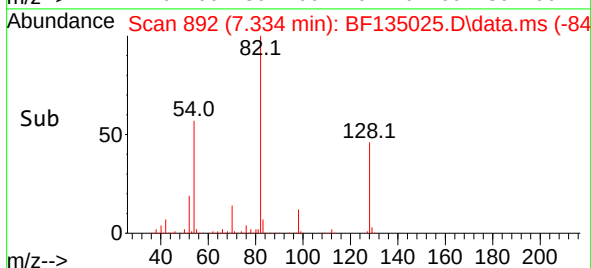
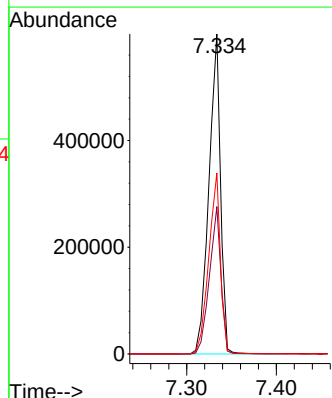
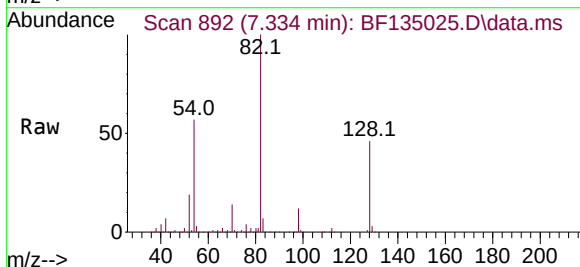
Tgt Ion: 82 Resp: 540724

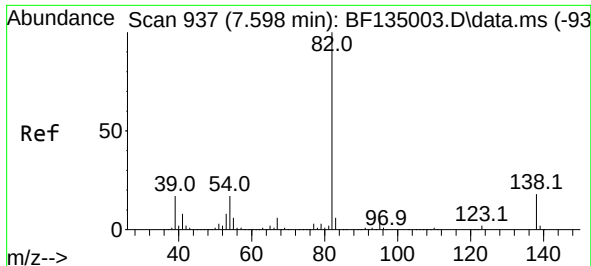
Ion Ratio Lower Upper

82 100

128 46.0 37.8 56.8

54 56.5 45.0 67.6

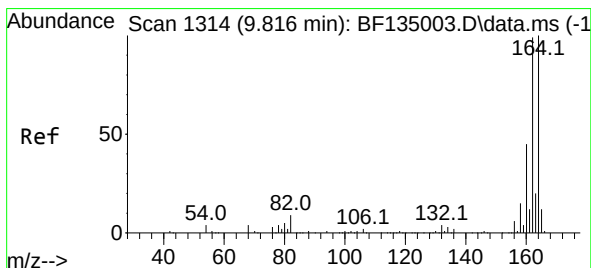
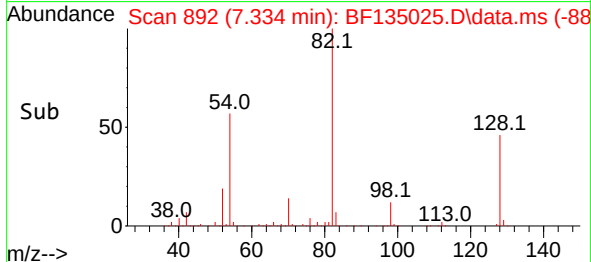
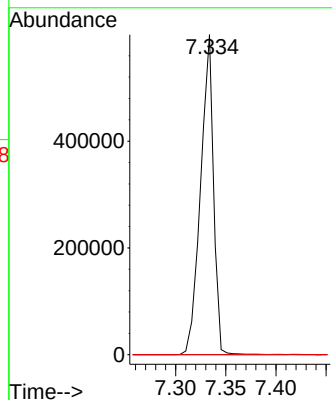
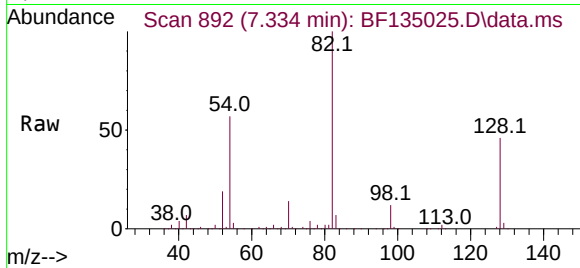




#25
Isophorone
Concen: 29.016 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

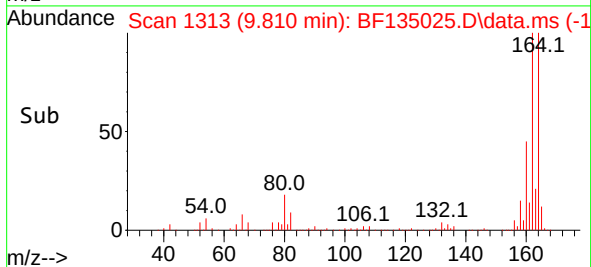
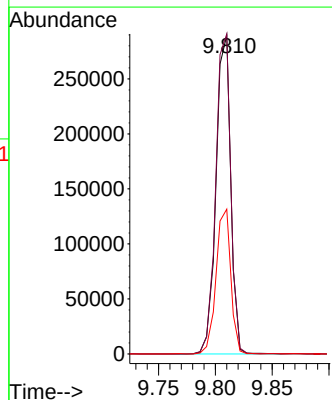
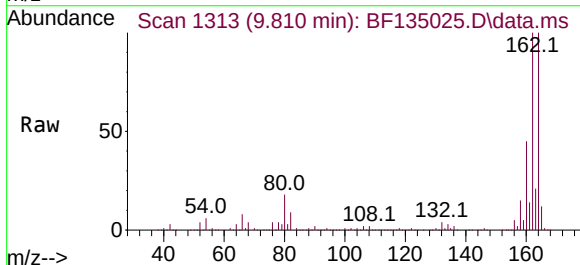
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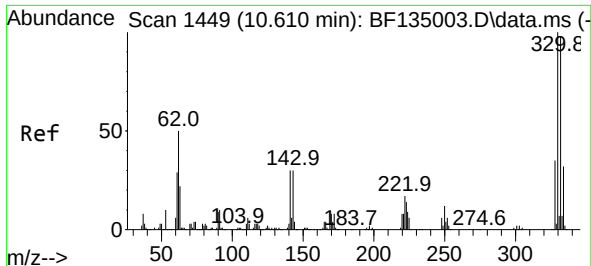
Tgt Ion: 82 Resp: 538971
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

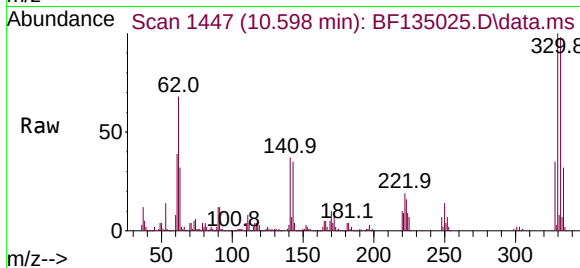
Tgt Ion:164 Resp: 260462
Ion Ratio Lower Upper
164 100
162 100.4 79.5 119.3
160 45.4 36.0 54.0



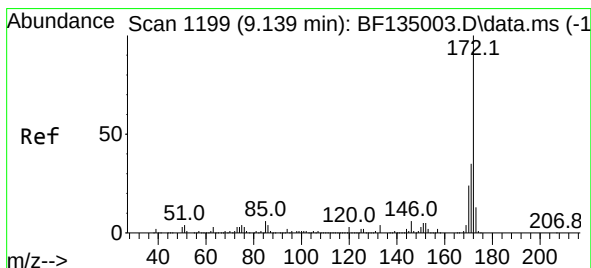
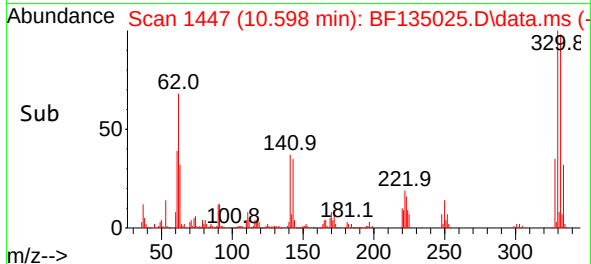
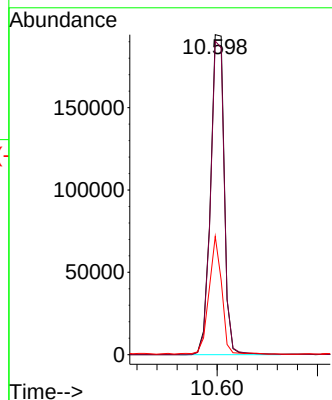


#42
2,4,6-Tribromophenol
Concen: 66.931 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21

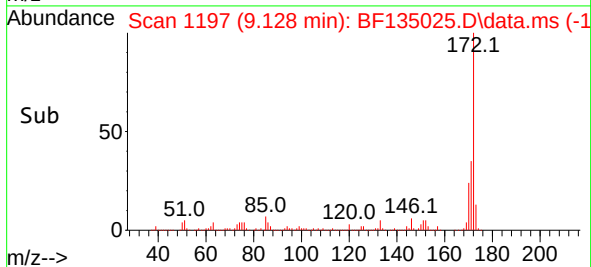
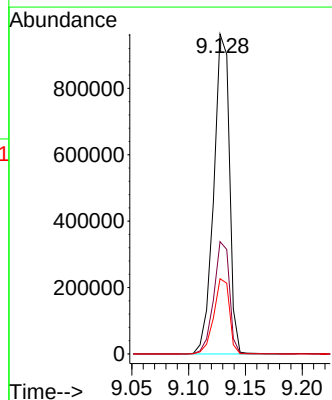
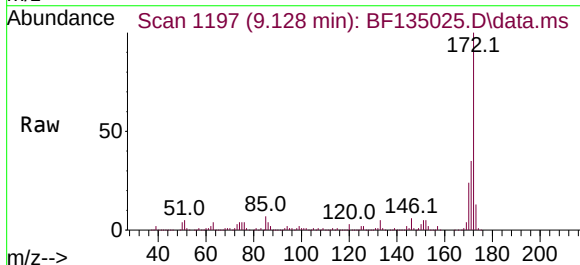


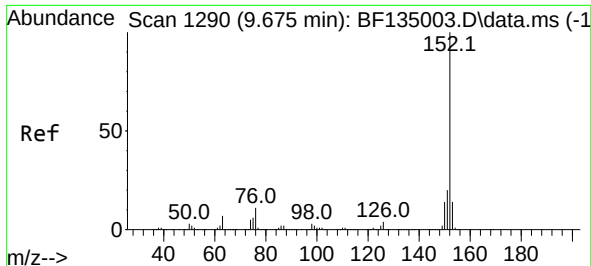
Tgt Ion:330 Resp: 184928
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 33.6 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 58.046 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Tgt Ion:172 Resp: 928607
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.5 19.0 28.4





#49

Acenaphthylene

Concen: 3.181 ng

RT: 9.669 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

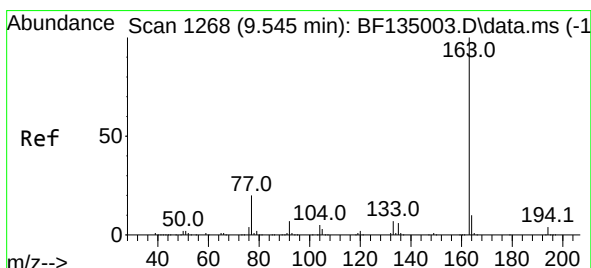
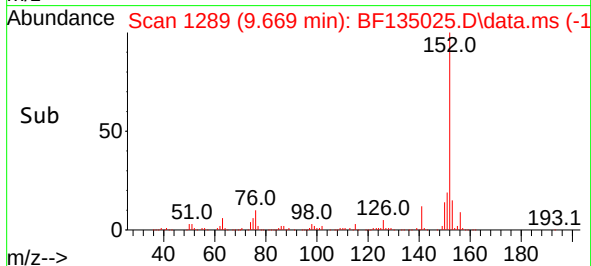
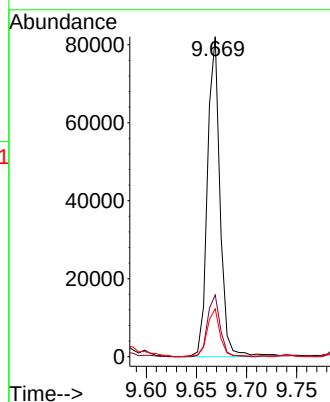
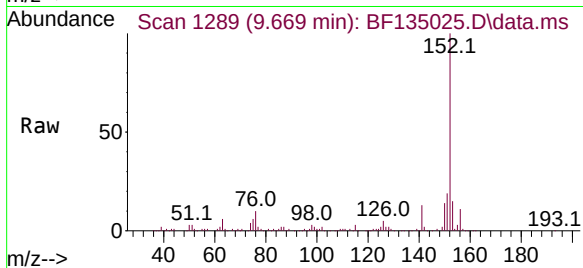
Tgt Ion:152 Resp: 71957

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.4

153 14.9 11.4 17.0



#50

Dimethylphthalate

Concen: 3.008 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.265 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

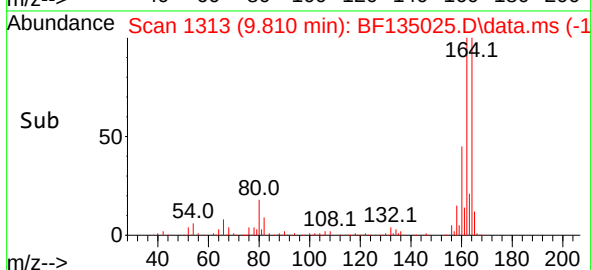
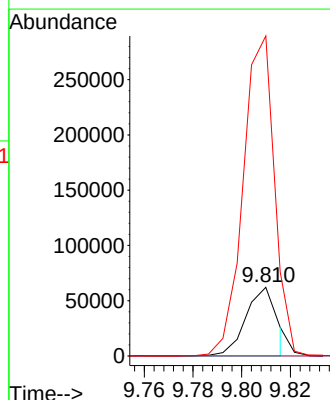
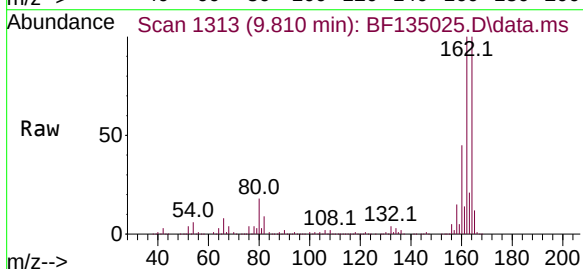
Tgt Ion:163 Resp: 54853

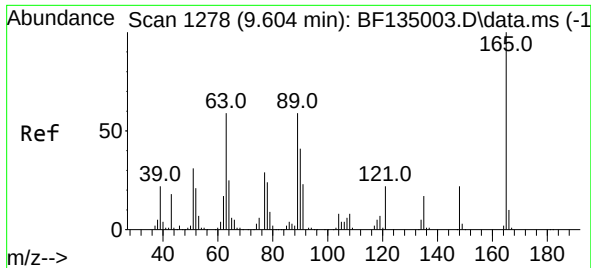
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 466.0 8.1 12.1#

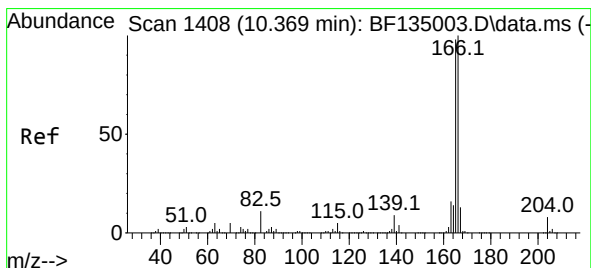
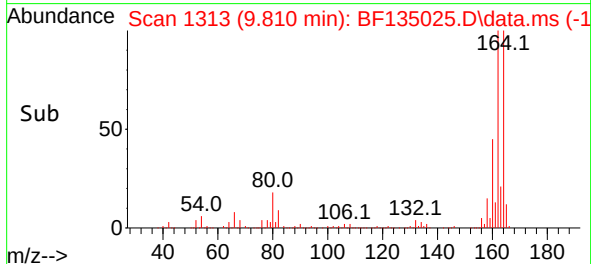
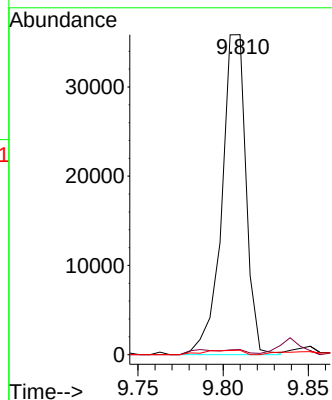
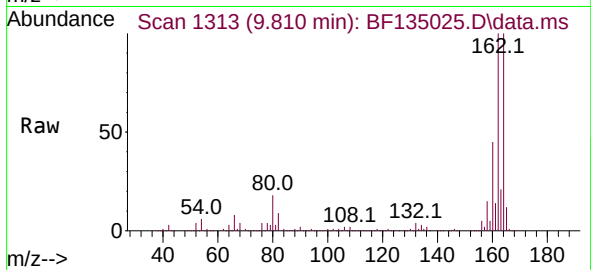




#51
2,6-Dinitrotoluene
Concen: 8.856 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

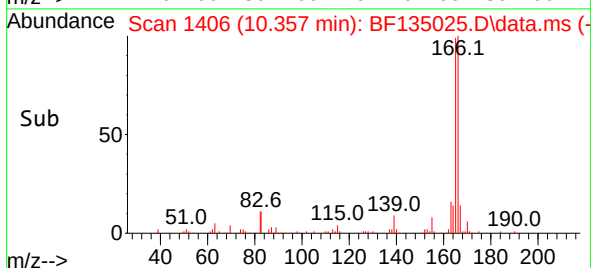
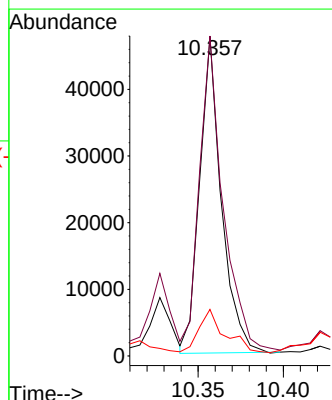
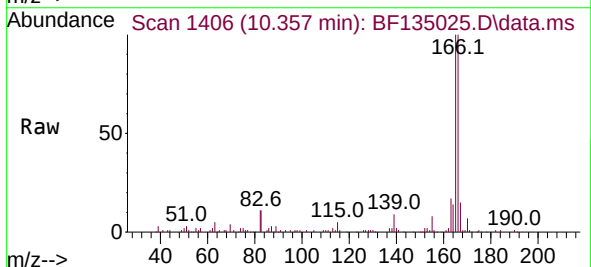
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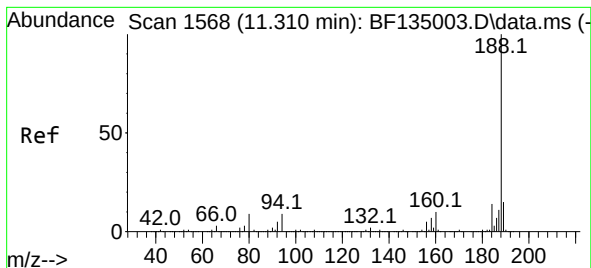
Tgt Ion:165 Resp: 35439
Ion Ratio Lower Upper
165 100
63 1.6 50.4 75.6#
89 1.4 47.1 70.7#



#58
Fluorene
Concen: 2.651 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Tgt Ion:166 Resp: 42023
Ion Ratio Lower Upper
166 100
165 100.2 78.0 117.0
167 14.6 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

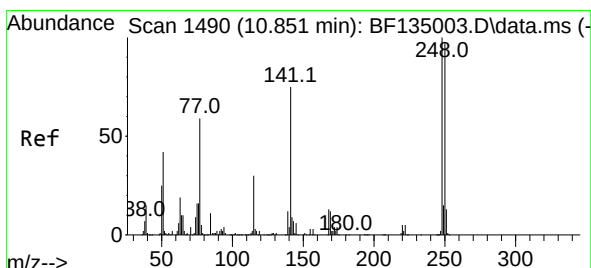
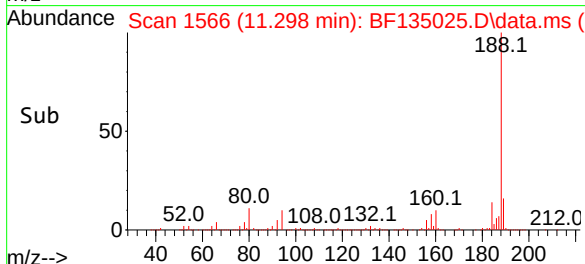
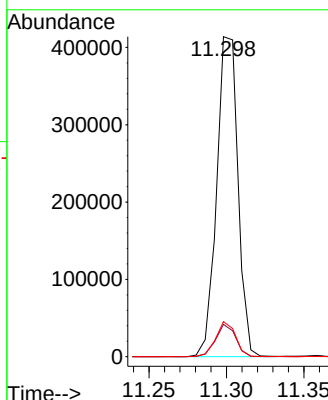
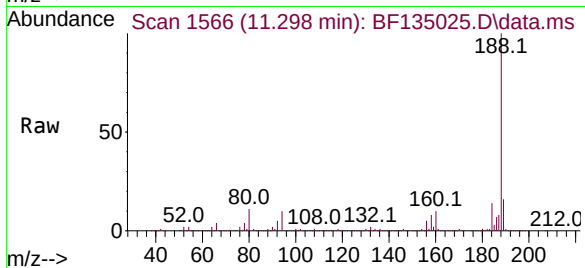
Tgt Ion:188 Resp: 396113

Ion Ratio Lower Upper

188 100

94 10.1 7.0 10.4

80 11.0 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 2.804 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

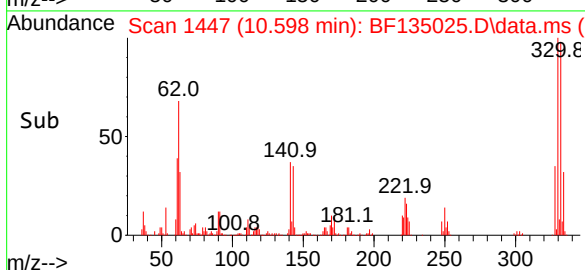
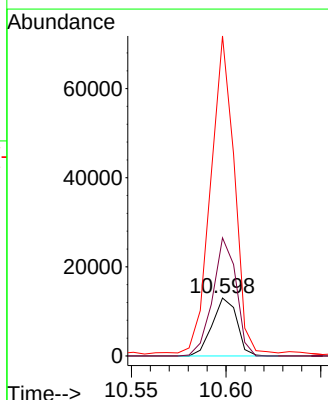
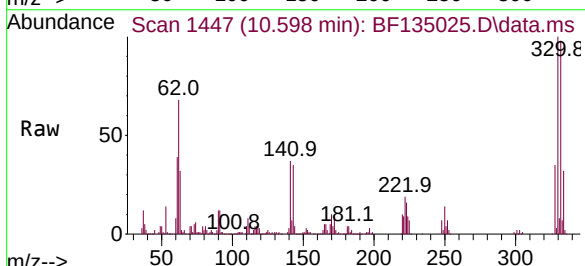
Tgt Ion:248 Resp: 11782

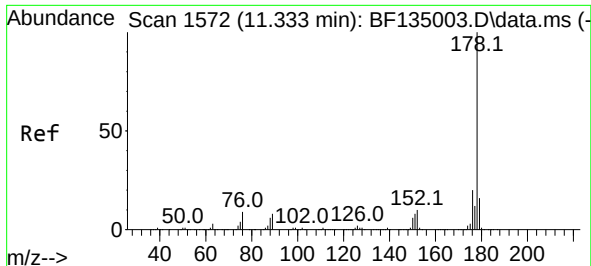
Ion Ratio Lower Upper

248 100

250 203.8 77.9 116.9#

141 552.5 59.8 89.8#

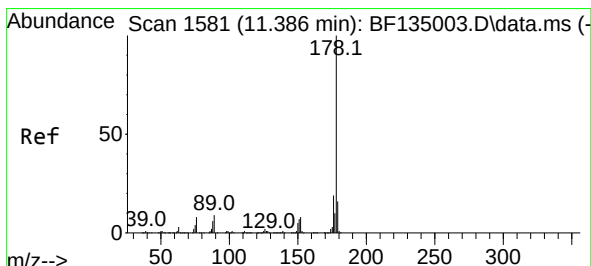
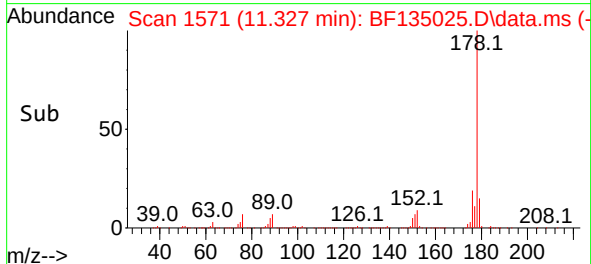
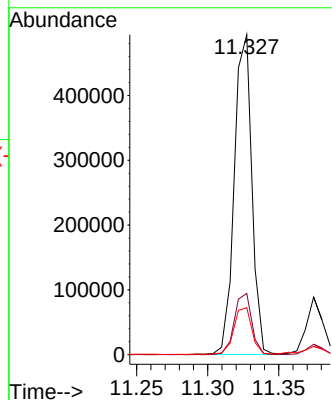
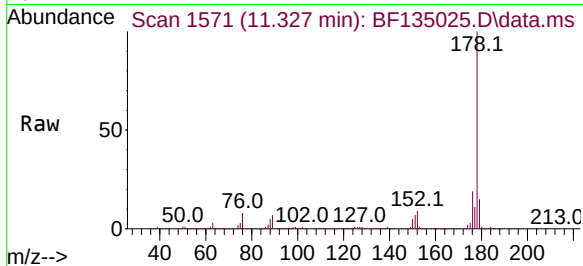




#71
Phenanthrene
Concen: 20.808 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

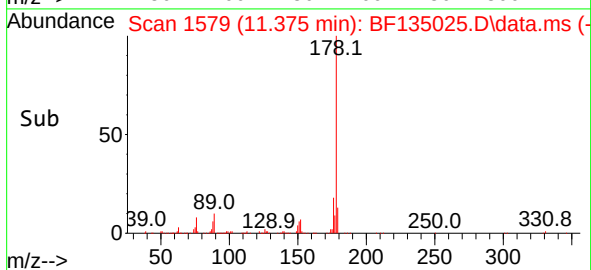
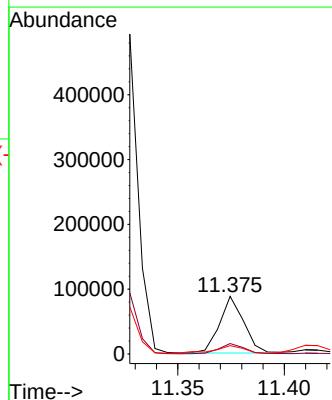
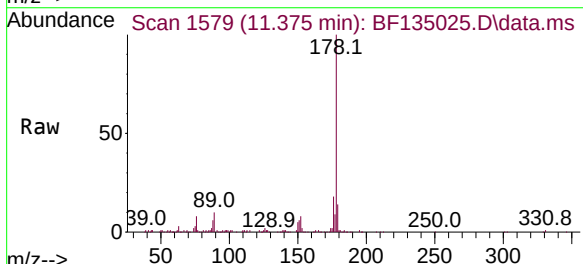
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21

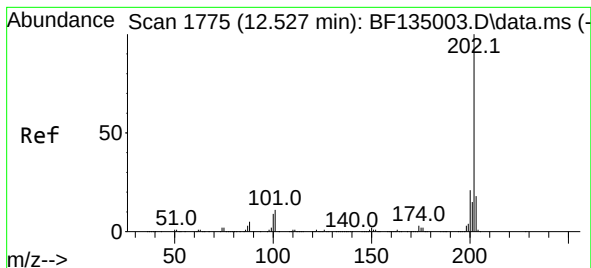
Tgt Ion:178 Resp: 425223
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 14.7 12.5 18.7



#72
Anthracene
Concen: 3.299 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Tgt Ion:178 Resp: 68882
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 14.4 12.8 19.2





#75

Fluoranthene

Concen: 19.441 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

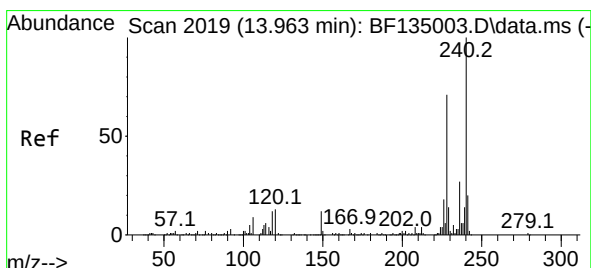
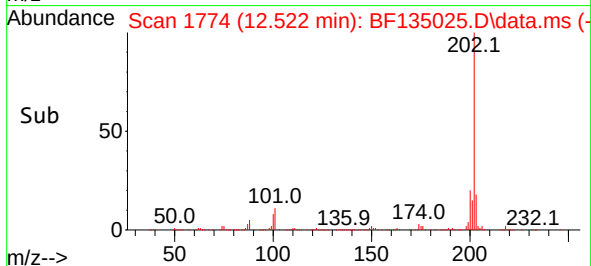
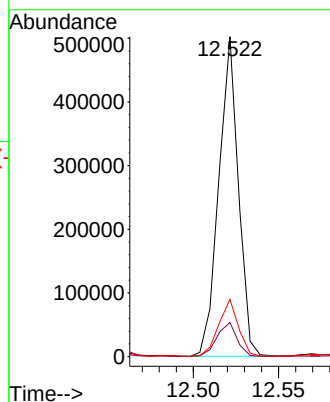
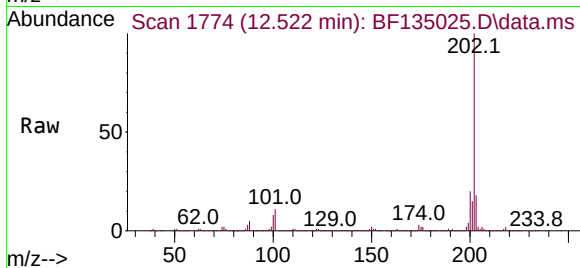
Tgt Ion:202 Resp: 401687

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.5

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

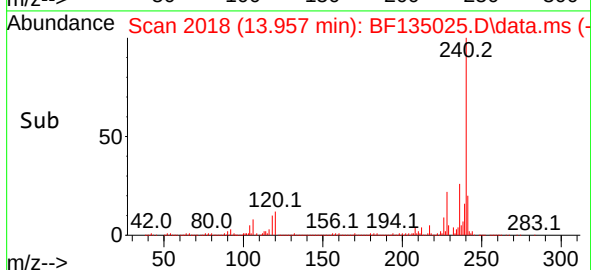
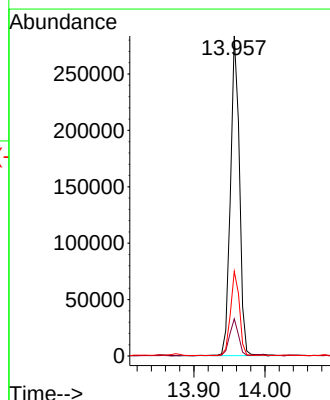
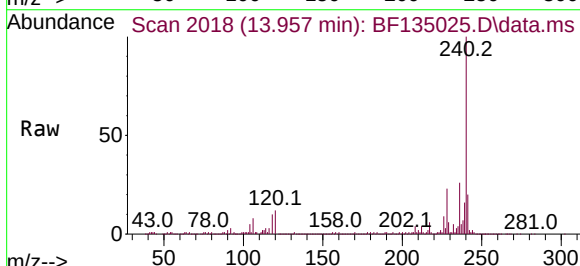
Tgt Ion:240 Resp: 249593

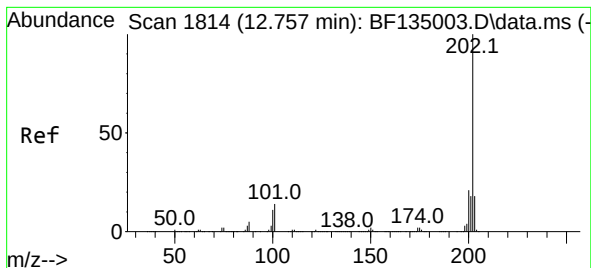
Ion Ratio Lower Upper

240 100

120 11.6 10.2 15.2

236 26.5 21.3 31.9





#78

Pyrene

Concen: 20.884 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

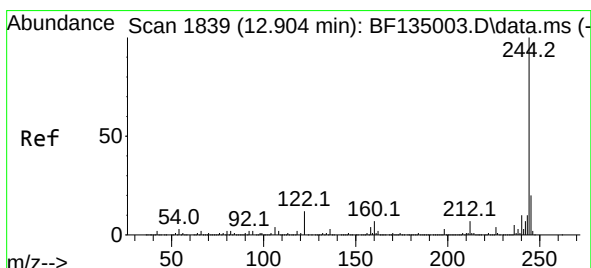
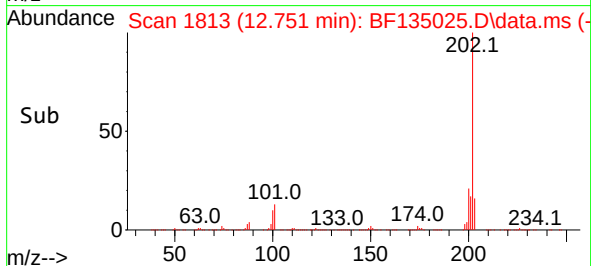
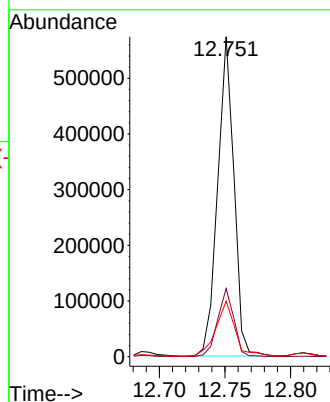
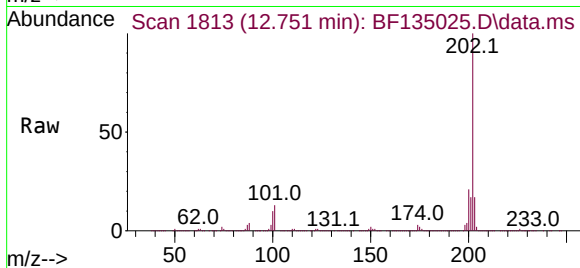
Tgt Ion:202 Resp: 494918

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.4 14.2 21.2



#79

Terphenyl-d14

Concen: 44.567 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

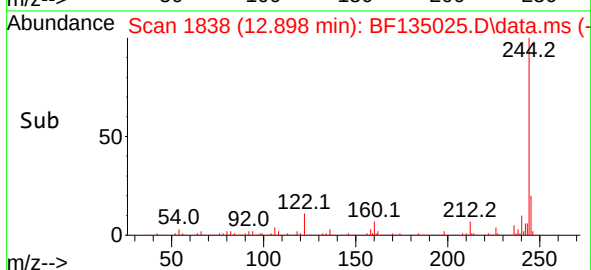
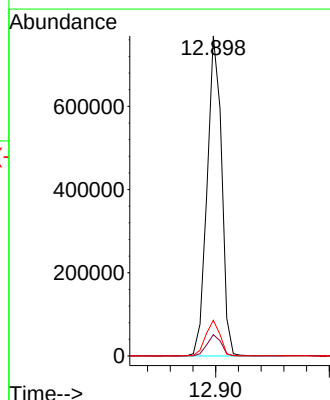
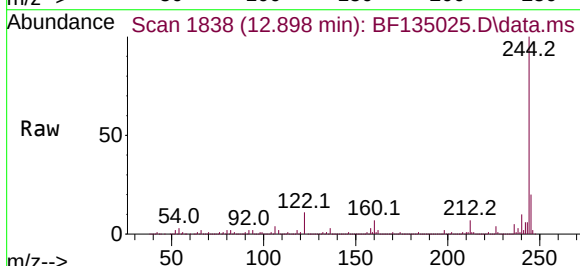
Tgt Ion:244 Resp: 681633

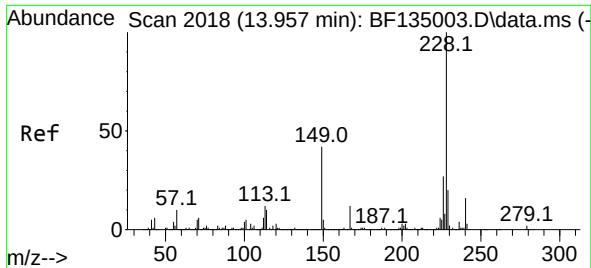
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.1 9.8 14.6

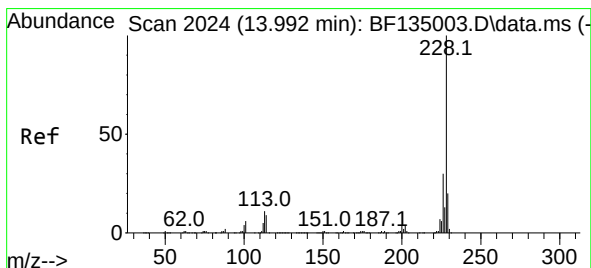
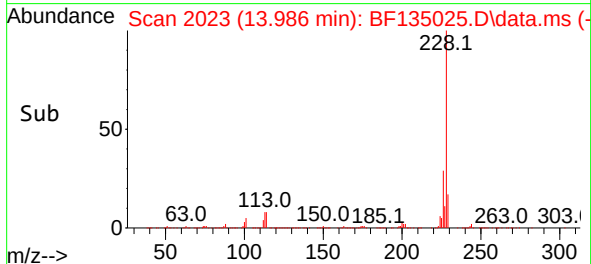
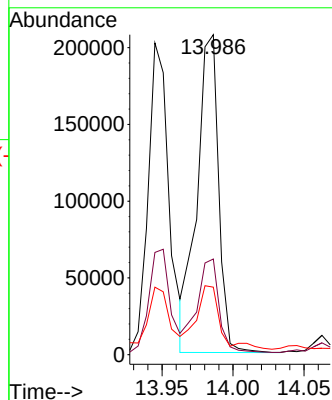
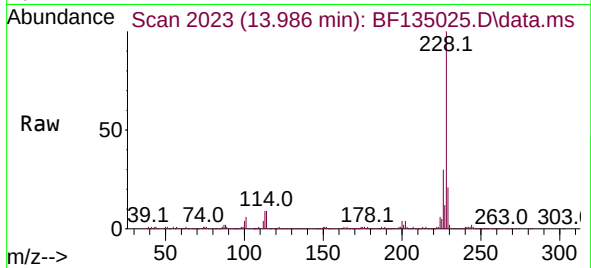




#81
Benzo(a)anthracene
Concen: 12.932 ng
RT: 13.986 min Scan# 2018
Delta R.T. 0.029 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

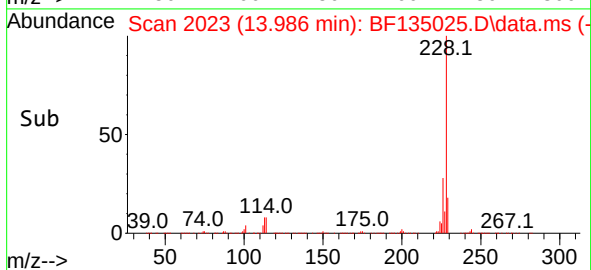
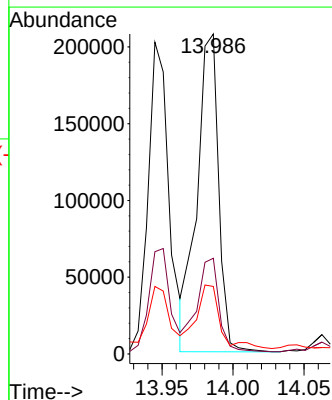
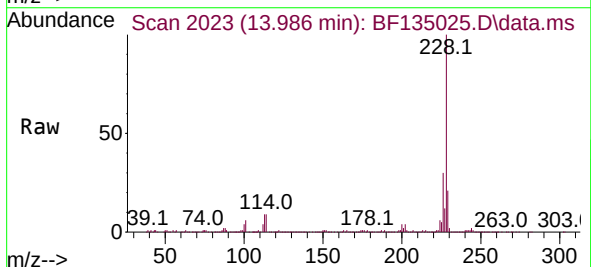
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21

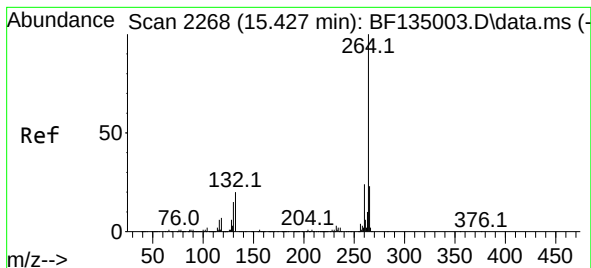
Tgt Ion:228 Resp: 220181
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 21.1 15.6 23.4



#83
Chrysene
Concen: 13.159 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Tgt Ion:228 Resp: 220181
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 21.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

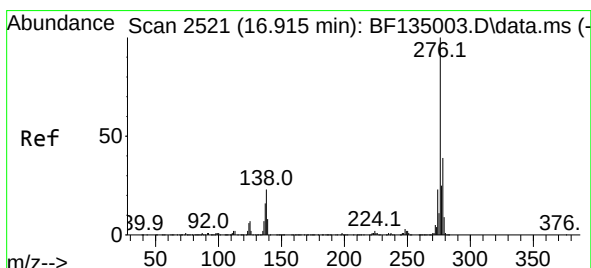
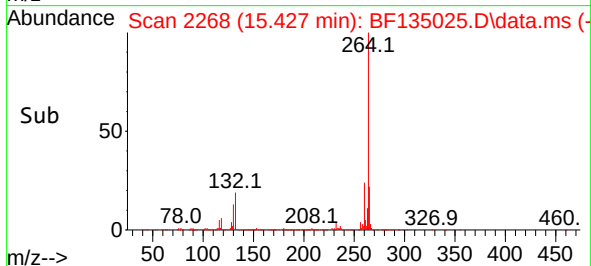
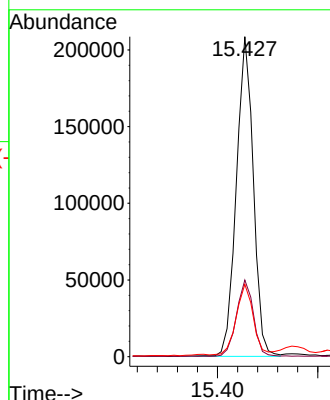
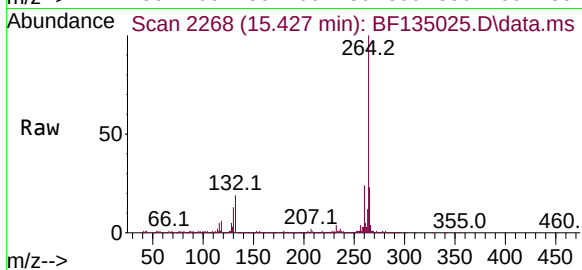
Tgt Ion:264 Resp: 244563

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.6 18.2 27.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.659 ng

RT: 16.898 min Scan# 2518

Delta R.T. -0.018 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

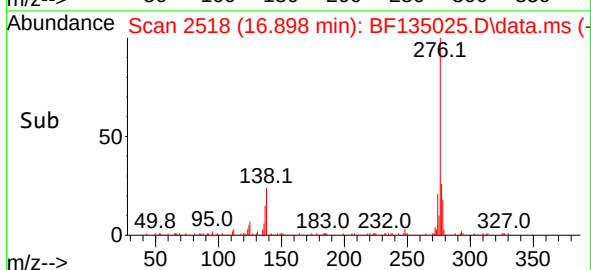
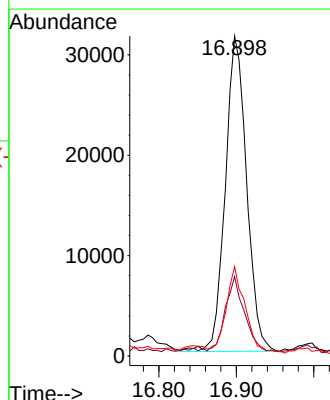
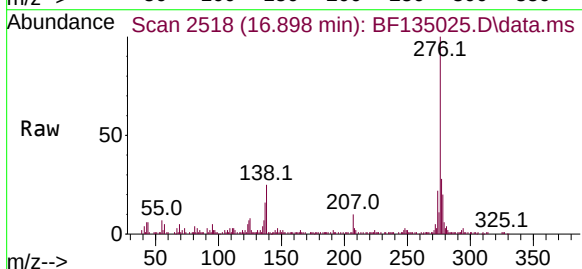
Tgt Ion:276 Resp: 60269

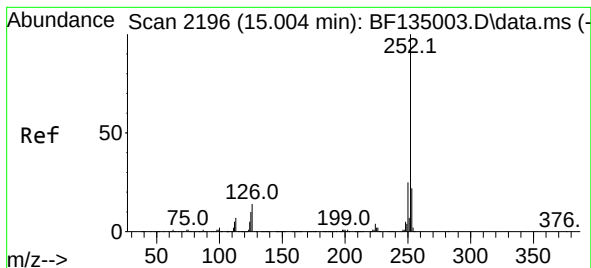
Ion Ratio Lower Upper

276 100

138 21.5 20.2 30.2

277 24.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 16.441 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

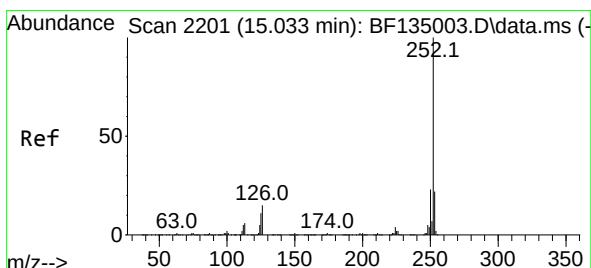
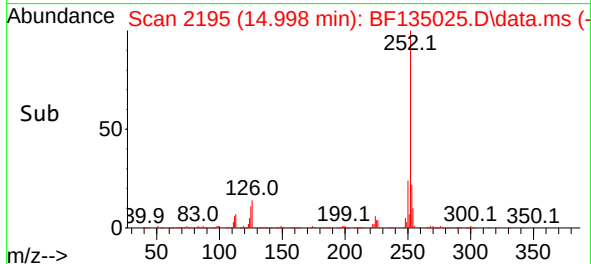
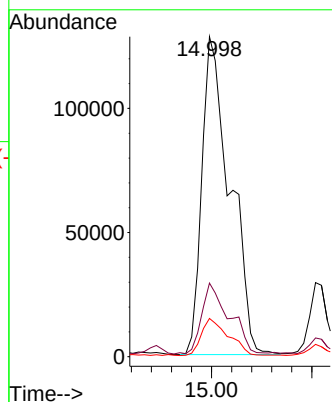
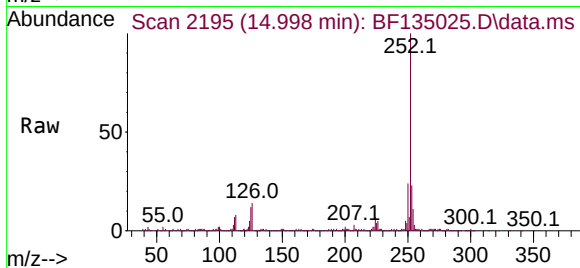
Tgt Ion:252 Resp: 250188

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 12.0 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 17.018 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

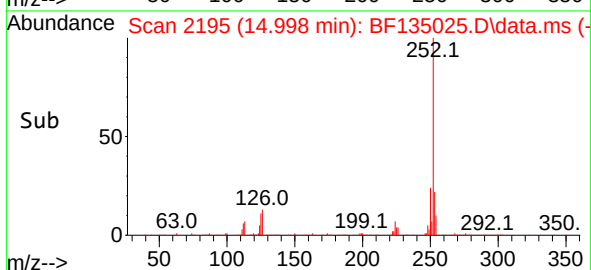
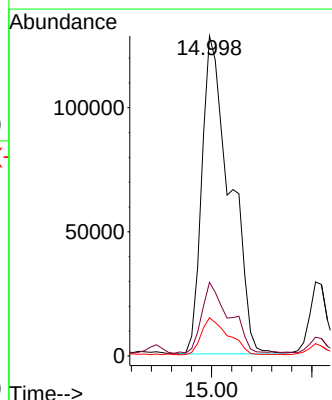
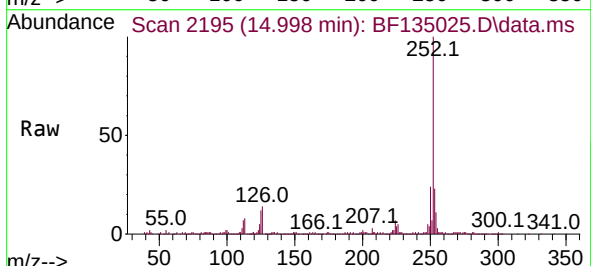
Tgt Ion:252 Resp: 250188

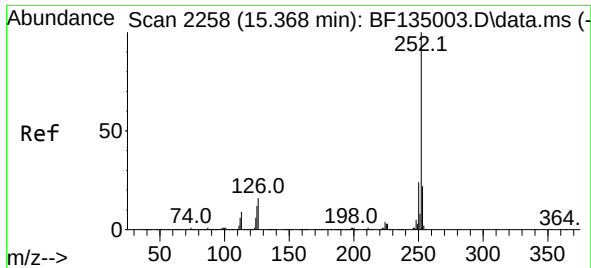
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 12.0 8.5 12.7

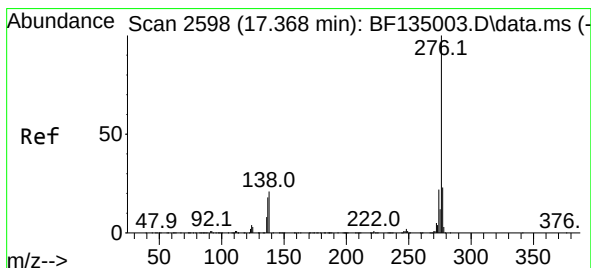
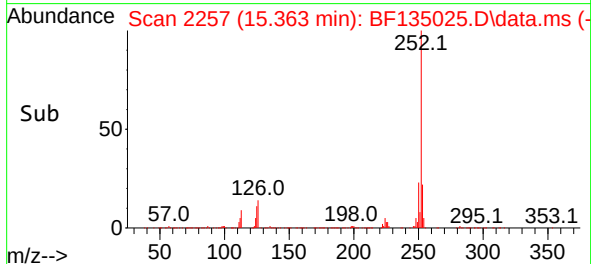
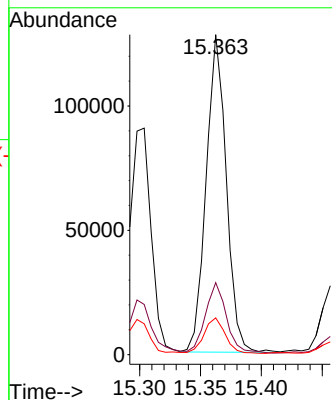
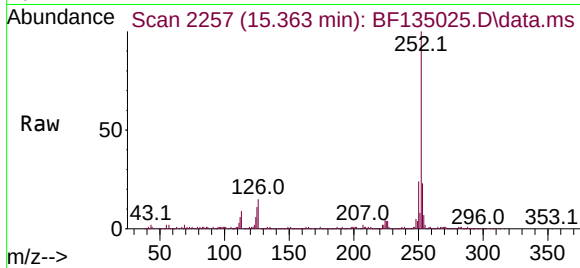




#90
Benzo(a)pyrene
Concen: 10.397 ng
RT: 15.363 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21

Tgt Ion:252 Resp: 146968
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 11.5 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 4.524 ng
RT: 17.345 min Scan# 2594
Delta R.T. -0.023 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Tgt Ion:276 Resp: 62775
Ion Ratio Lower Upper
276 100
277 21.9 18.5 27.7
138 21.7 17.1 25.7

