

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011724\
 Data File : BF137095.D
 Acq On : 17 Jan 2024 16:06
 Operator : CG\JU
 Sample : P1152-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275

Quant Time: Jan 17 16:29:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

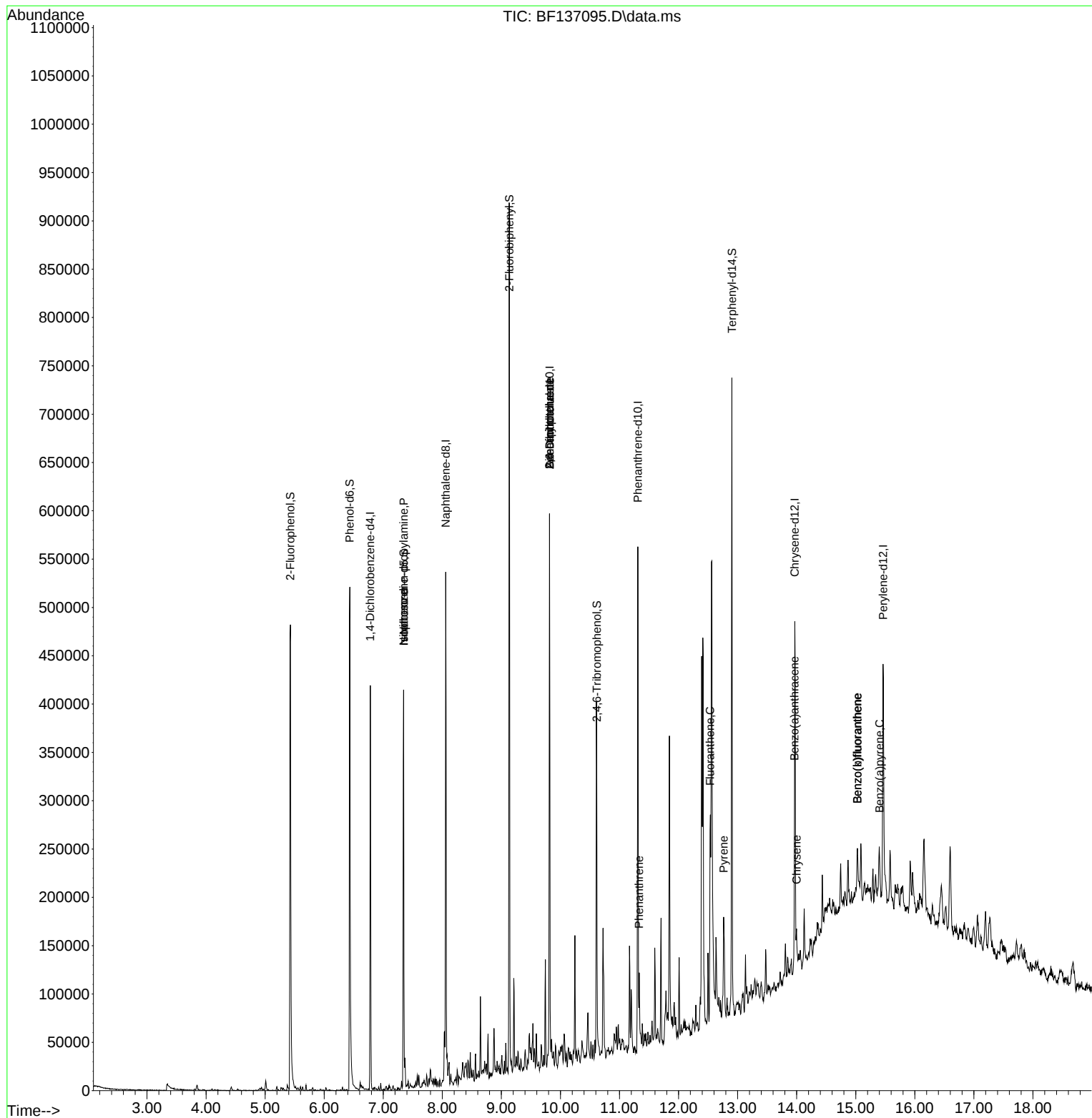
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58554	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	223087	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	109365	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	171150	20.000	ng	0.00
76) Chrysene-d12	13.968	240	121246	20.000	ng	0.00
86) Perylene-d12	15.462	264	107681	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	161487	43.031	ng	0.00
7) Phenol-d6	6.434	99	204137	41.980	ng	0.00
23) Nitrobenzene-d5	7.345	82	123624	28.357	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	49665	38.559	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	264967	32.586	ng	-0.02
79) Terphenyl-d14	12.904	244	211021	24.322	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.345	70	16960	5.754	ng	# 69
25) Isophorone	7.345	82	123624	15.584	ng	# 65
50) Dimethylphthalate	9.816	163	20076	2.513	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	14680	8.097	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	14680	6.237	ng	# 21
71) Phenanthrene	11.333	178	24304	2.768	ng	98
75) Fluoranthene	12.533	202	33763	3.594	ng	97
78) Pyrene	12.763	202	36584	3.074	ng	99
81) Benzo(a)anthracene	13.963	228	18222	2.164	ng	# 89
83) Chrysene	13.998	228	18771	2.280	ng	# 95
88) Benzo(b)fluoranthene	15.027	252	34562	4.806	ng	# 80
89) Benzo(k)fluoranthene	15.027	252	34562	5.086	ng	# 81
90) Benzo(a)pyrene	15.404	252	18342	3.021	ng	# 87

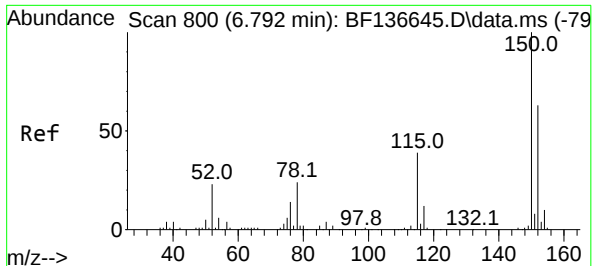
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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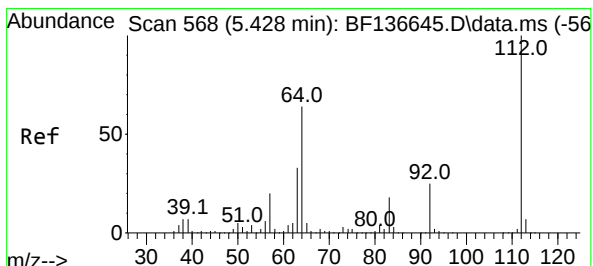
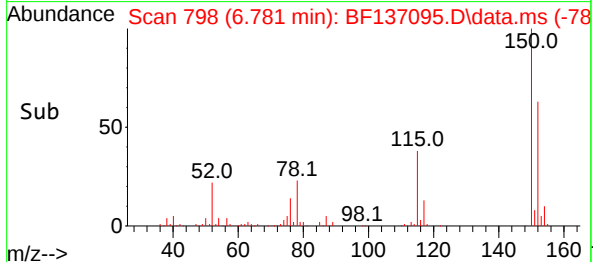
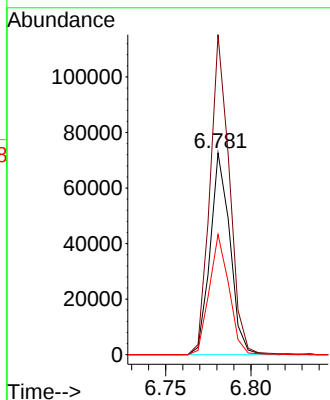
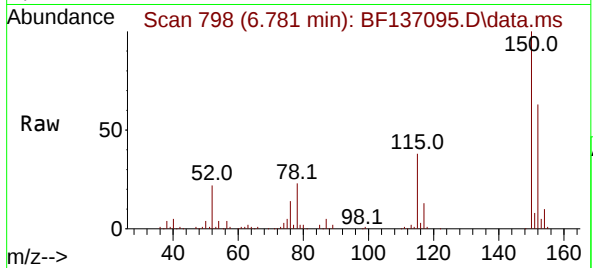




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

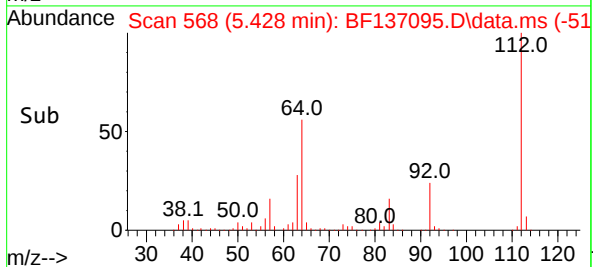
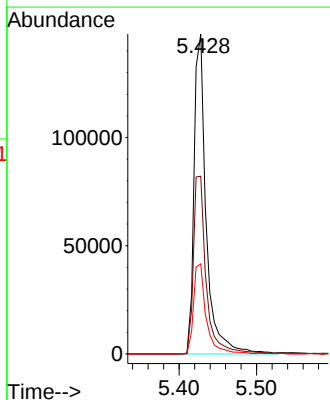
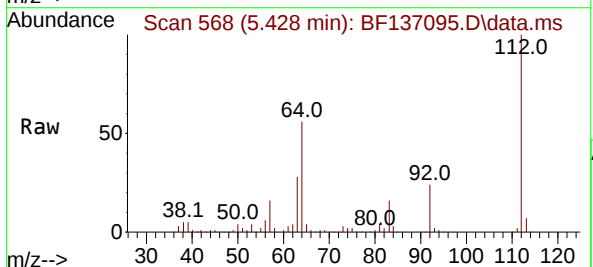
Instrument :
BNA_F
ClientSampleId :
275

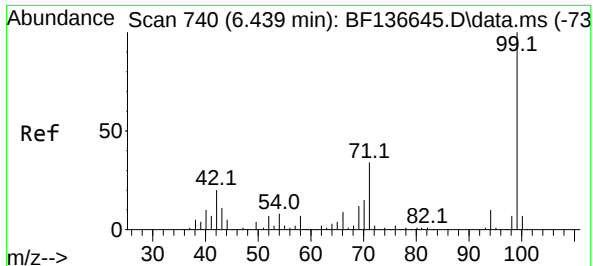
Tgt Ion:152 Resp: 58554
Ion Ratio Lower Upper
152 100
150 158.6 127.0 190.6
115 59.6 49.0 73.4



#5
2-Fluorophenol
Concen: 43.031 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion:112 Resp: 161487
Ion Ratio Lower Upper
112 100
64 55.6 51.1 76.7
63 28.1 26.1 39.1

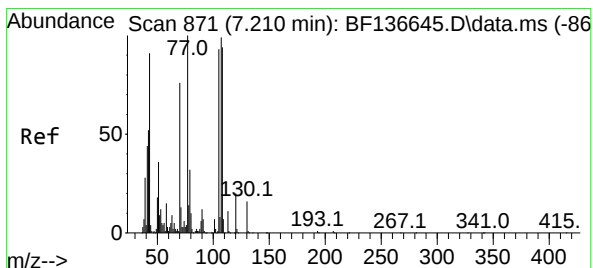
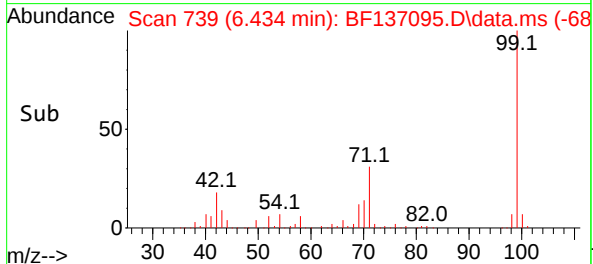
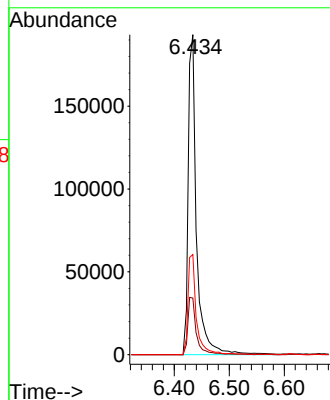
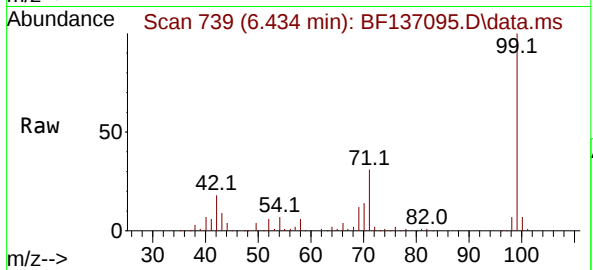




#7
Phenol-d6
Concen: 41.980 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

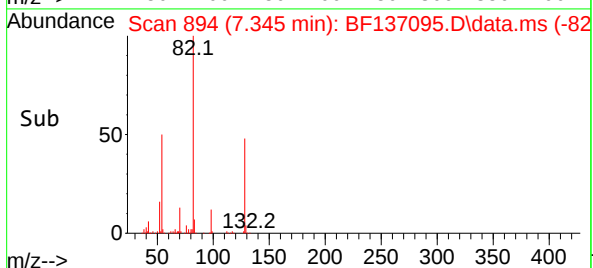
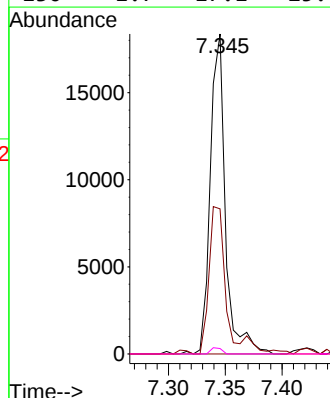
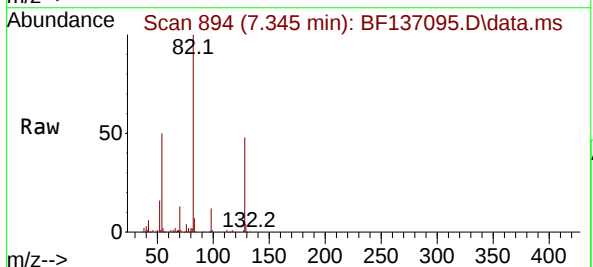
Instrument :
BNA_F
ClientSampleId :
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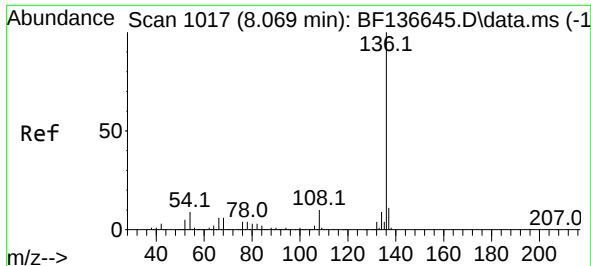
Tgt Ion: 99 Resp: 204137
Ion Ratio Lower Upper
99 100
42 17.7 16.1 24.1
71 31.3 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.754 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion: 70 Resp: 16960
Ion Ratio Lower Upper
70 100
42 45.4 54.2 81.4#
101 0.0 7.6 11.4#
130 1.7 17.1 25.7#

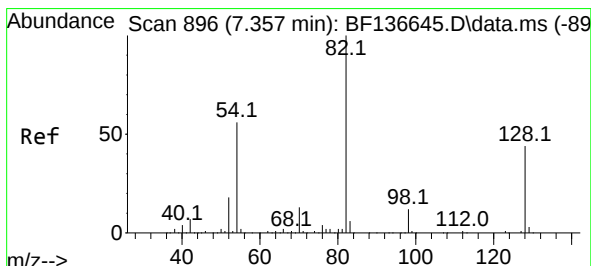
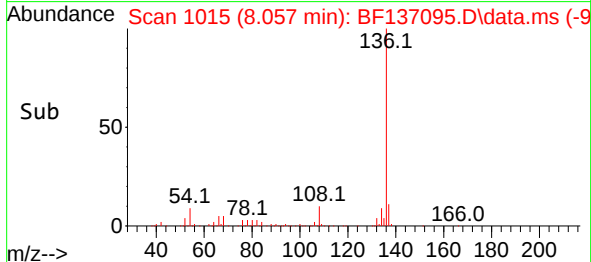
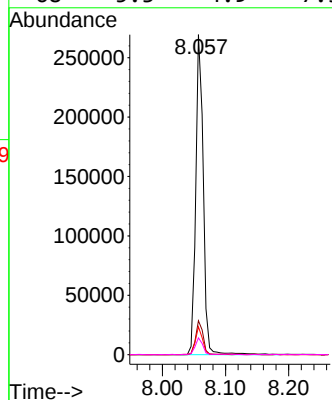
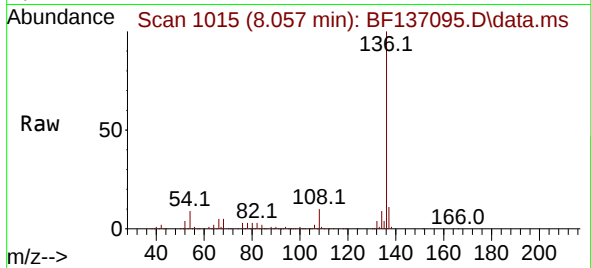




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

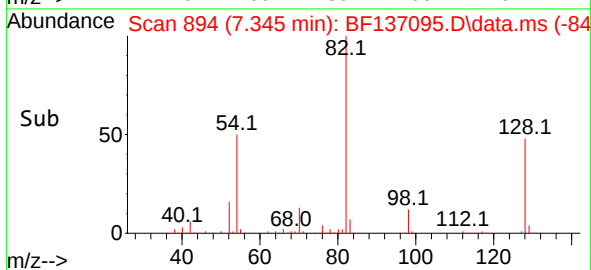
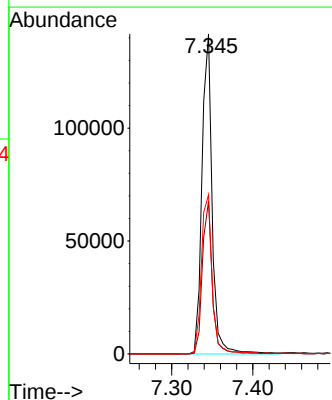
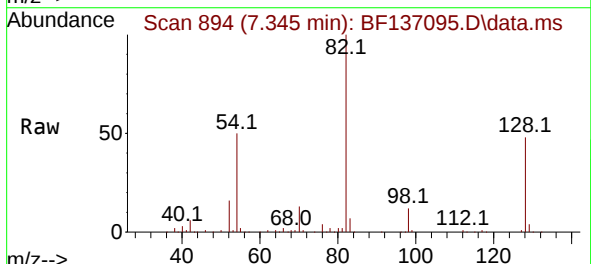
Instrument :
BNA_F
ClientSampleId :
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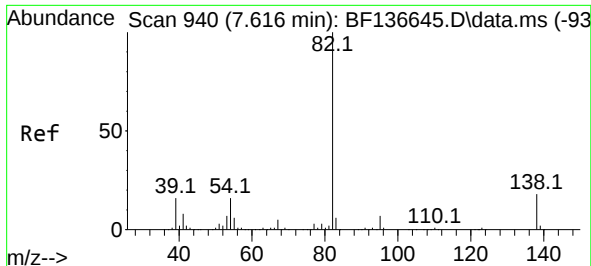
Tgt	Ion:136	Resp:	223087
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	8.7	7.2	10.8
68	5.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 28.357 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion: 82	Resp: 123624
Ion Ratio	Lower Upper
82 100	
128 47.7	35.3 52.9
54 49.8	44.5 66.7

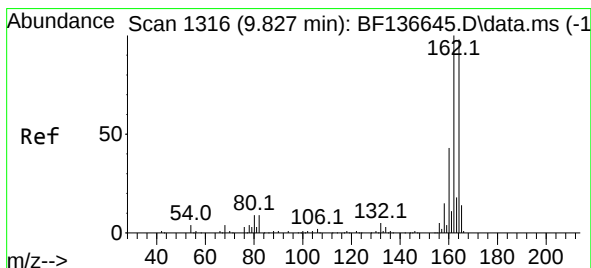
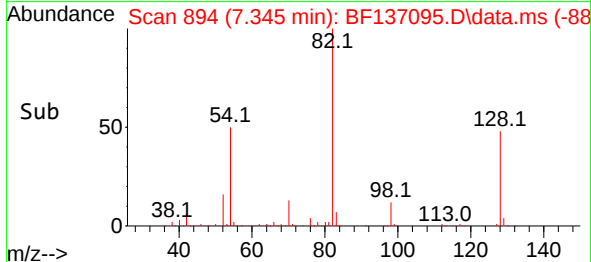
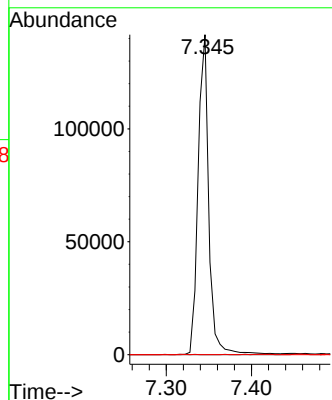
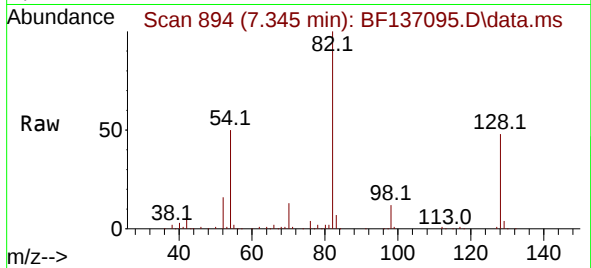




#25
Isophorone
Concen: 15.584 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

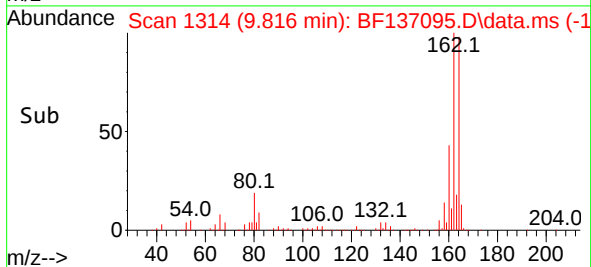
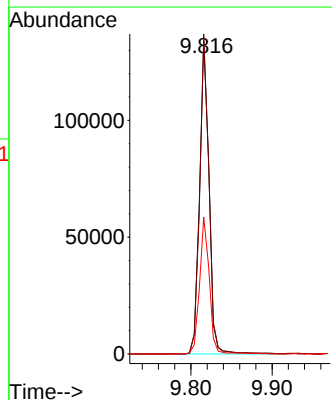
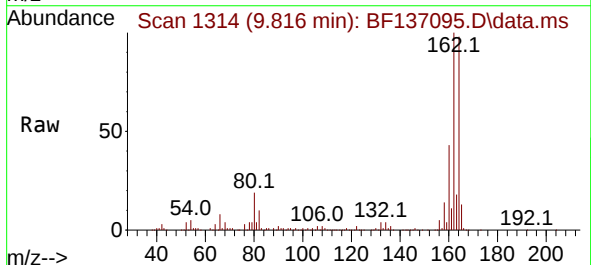
Instrument :
BNA_F
ClientSampleId :
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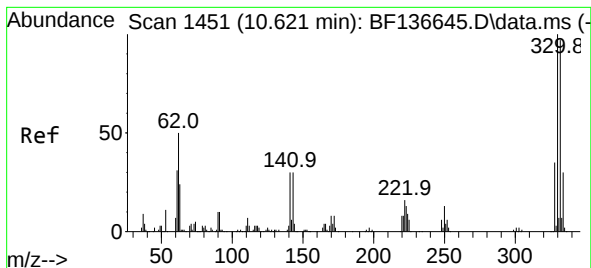
Tgt Ion: 82 Resp: 123624
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion: 164 Resp: 109365
Ion Ratio Lower Upper
164 100
162 102.2 81.6 122.4
160 43.7 34.9 52.3

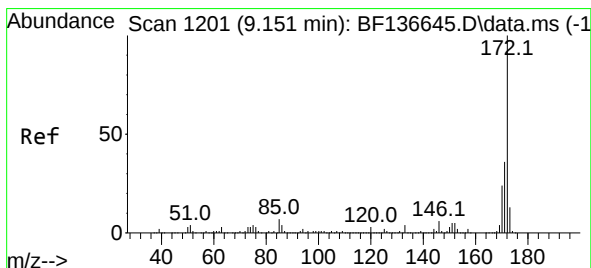
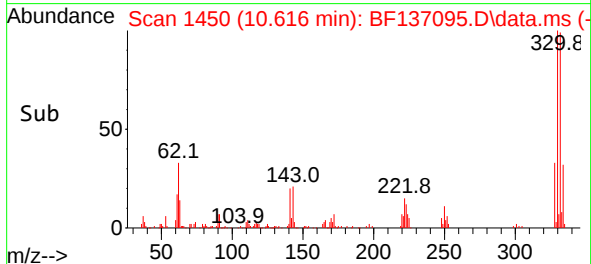
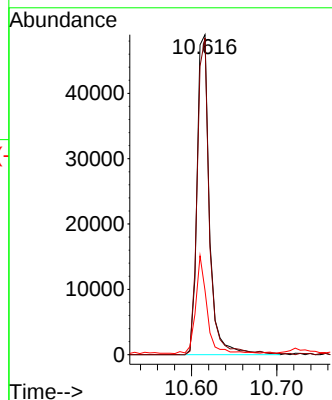
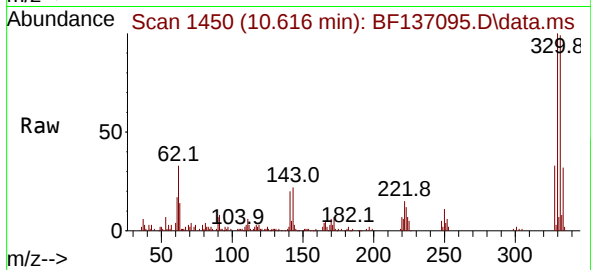




#42
2,4,6-Tribromophenol
Concen: 38.559 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

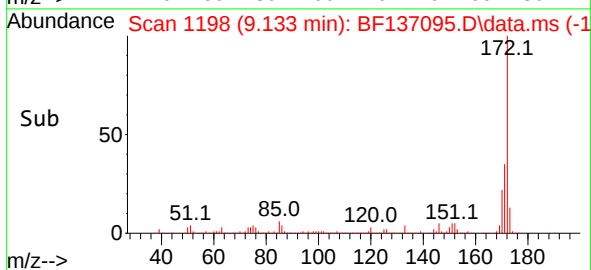
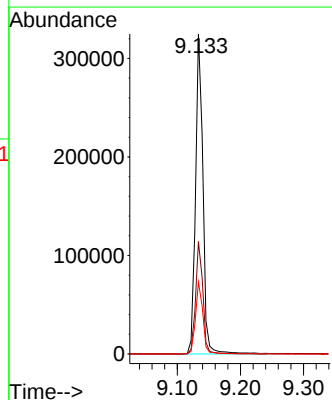
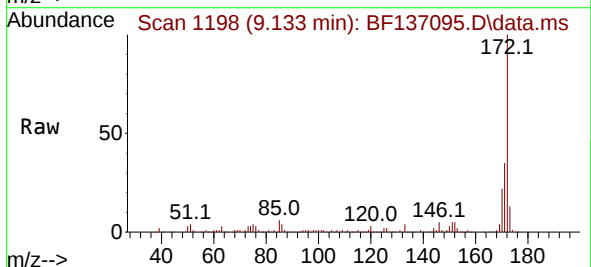
Instrument :
BNA_F
ClientSampleId :
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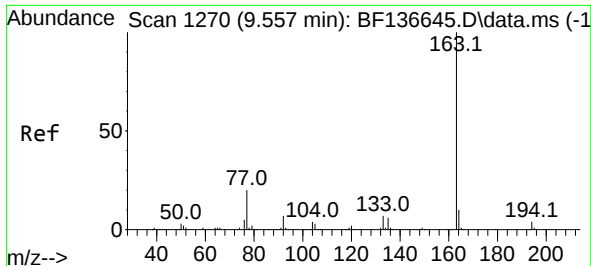
Tgt Ion: 330 Resp: 49665
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 27.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 32.586 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion: 172 Resp: 264967
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.6
170 22.5 19.0 28.4

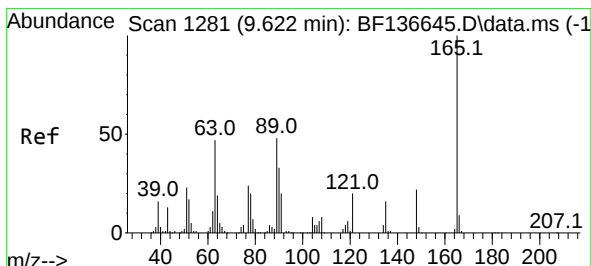
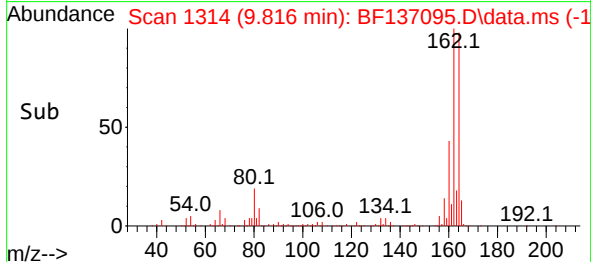
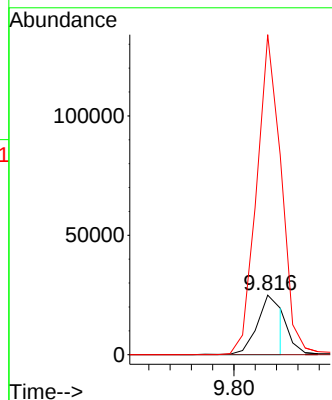
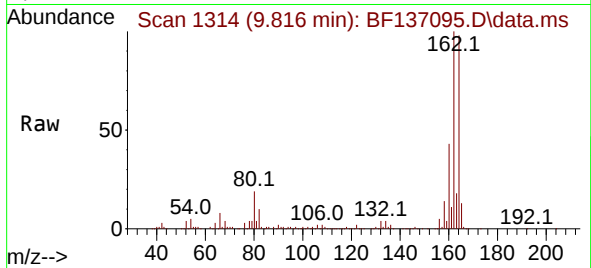




#50
Dimethylphthalate
Concen: 2.513 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

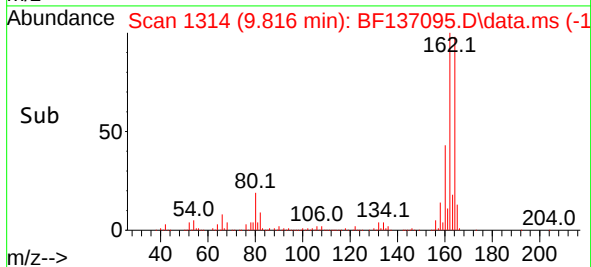
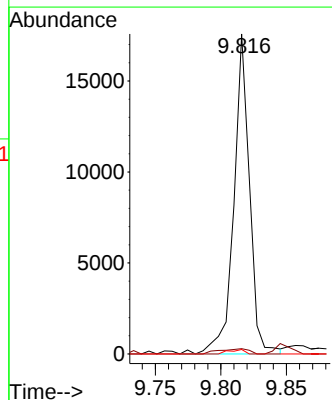
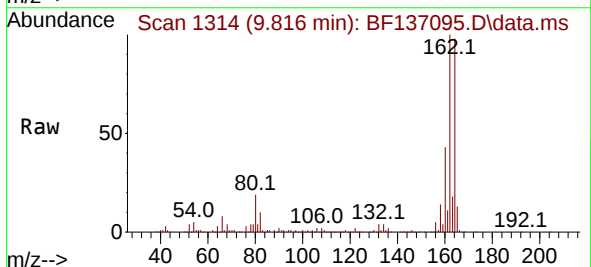
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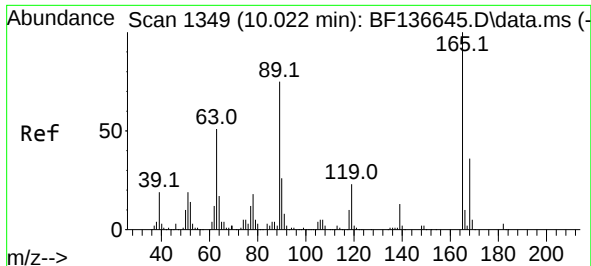
Tgt Ion:163 Resp: 20076
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 537.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.097 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion:165 Resp: 14680
Ion Ratio Lower Upper
165 100
63 1.7 39.8 59.6#
89 1.4 38.8 58.2#

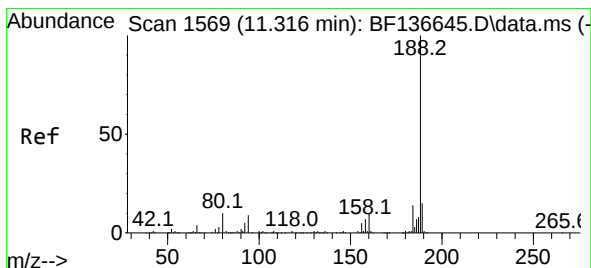
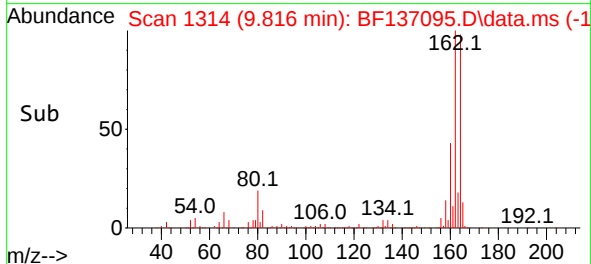
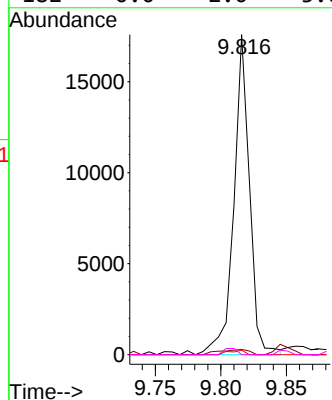
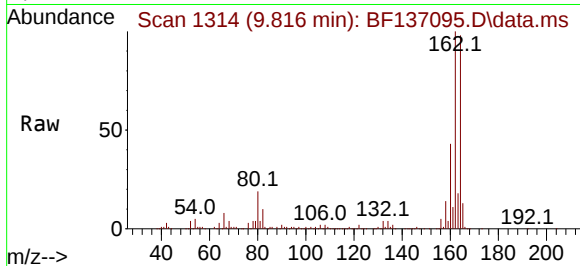




#57
2,4-Dinitrotoluene
Concen: 6.237 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

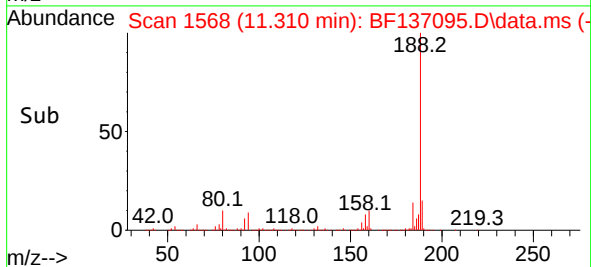
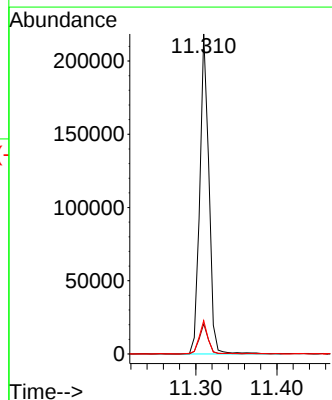
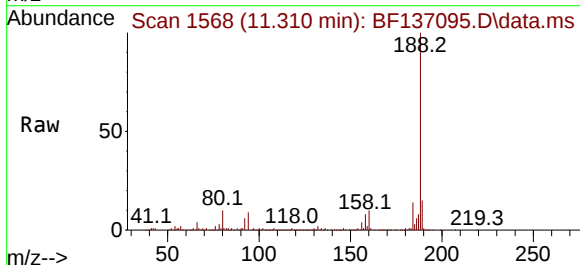
Instrument :
BNA_F
ClientSampleId :
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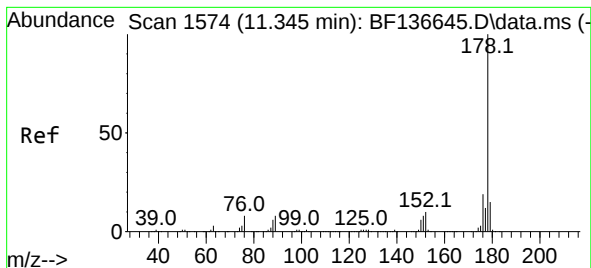
Tgt Ion:165 Resp: 14680
Ion Ratio Lower Upper
165 100
63 1.7 41.0 61.6#
89 1.4 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion:188 Resp: 171150
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 10.4 8.1 12.1

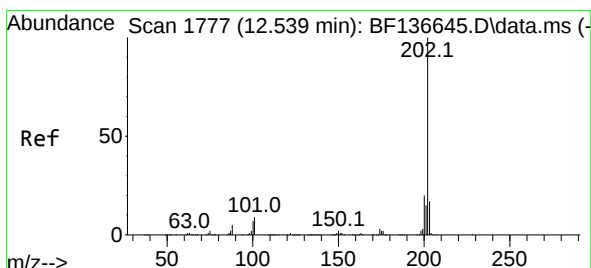
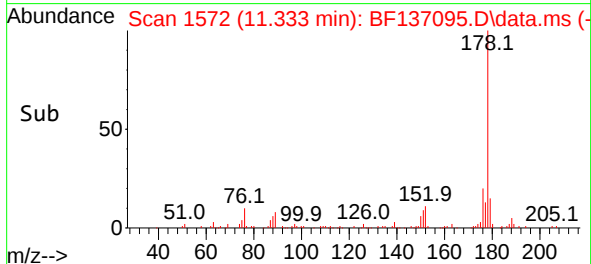
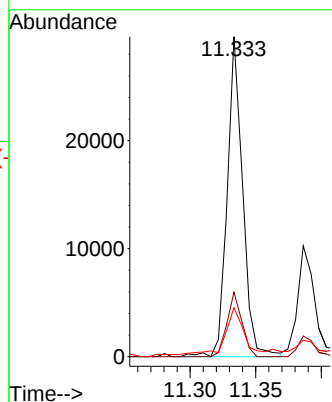
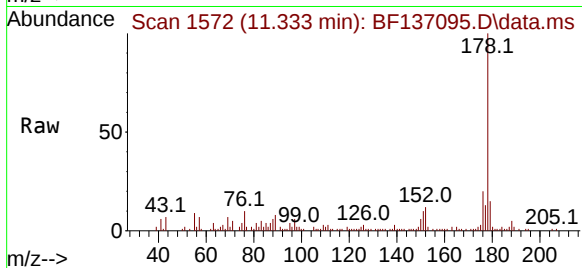




#71
Phenanthrene
Concen: 2.768 ng
RT: 11.333 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

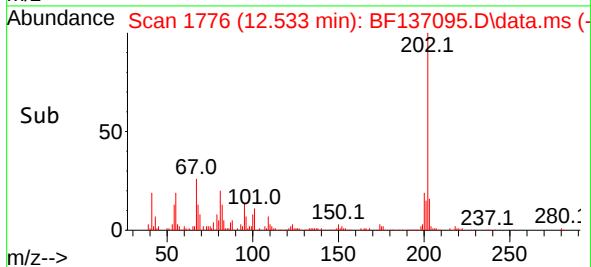
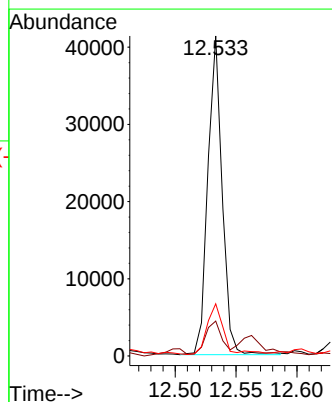
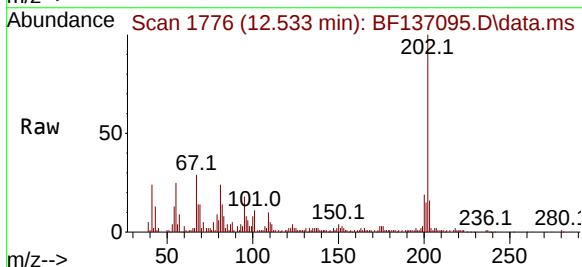
Instrument :
BNA_F
ClientSampleId :
275

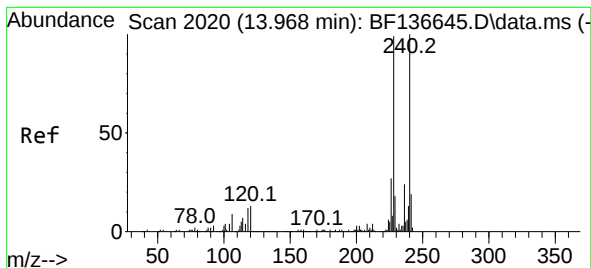
Tgt Ion:178 Resp: 24304
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 15.3 11.9 17.9



#75
Fluoranthene
Concen: 3.594 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137095.D
Acq: 17 Jan 2024 16:06

Tgt Ion:202 Resp: 33763
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.3
203 16.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

Instrument :

BNA_F

ClientSampleId :

275

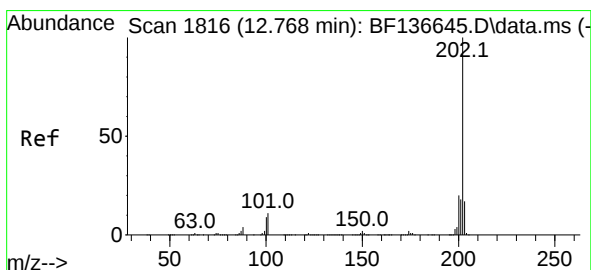
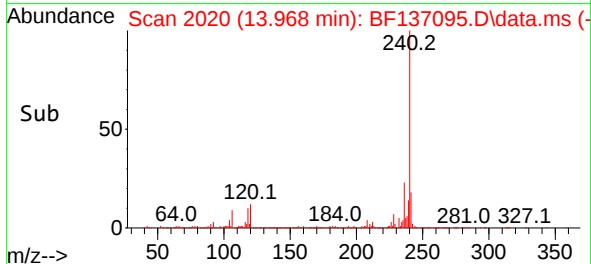
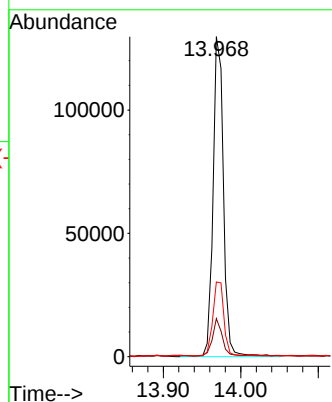
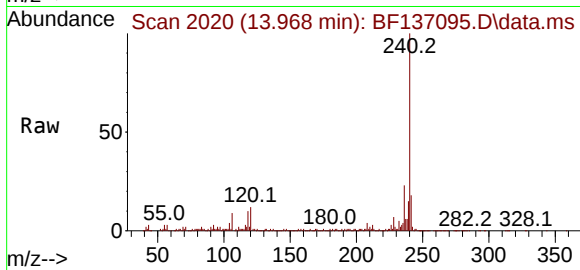
Tgt Ion:240 Resp: 121246

Ion Ratio Lower Upper

240 100

120 11.9 10.3 15.5

236 23.4 19.4 29.2



#78

Pyrene

Concen: 3.074 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

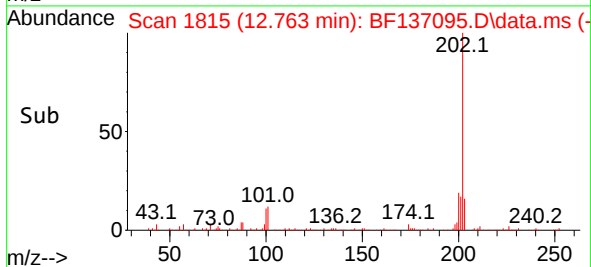
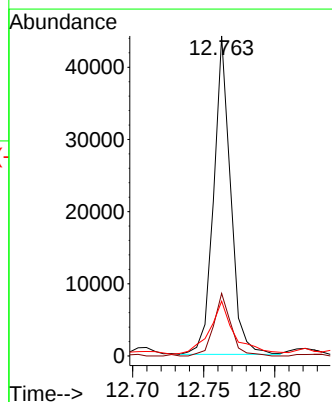
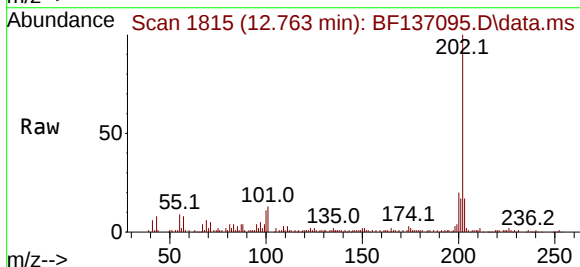
Tgt Ion:202 Resp: 36584

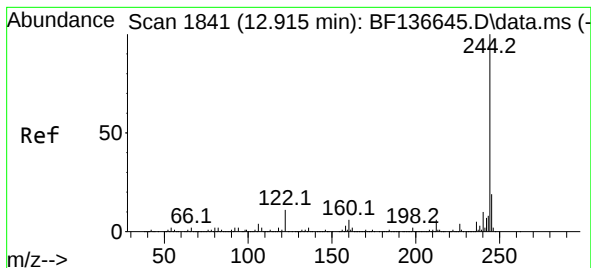
Ion Ratio Lower Upper

202 100

200 19.5 15.9 23.9

203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 24.322 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

Instrument :

BNA_F

ClientSampleId :

275

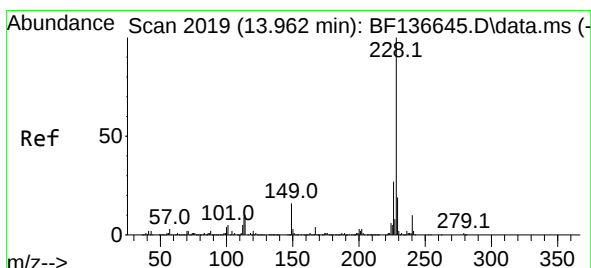
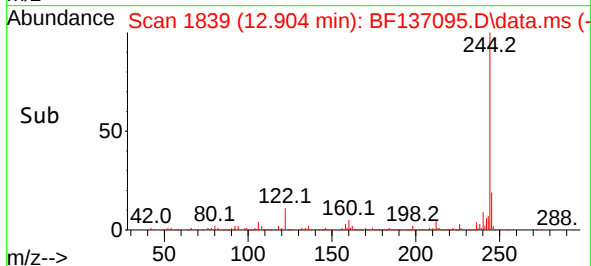
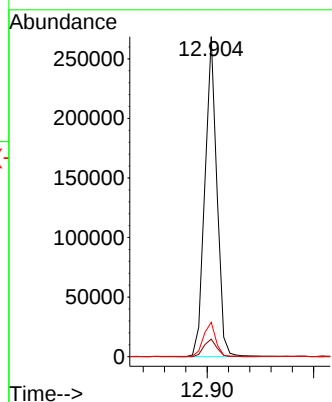
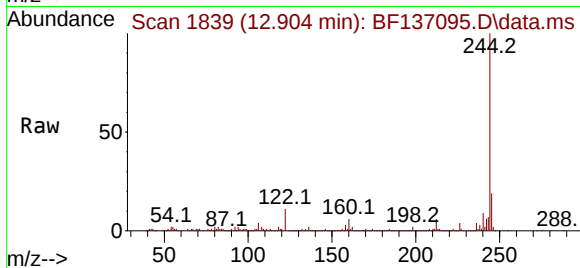
Tgt Ion:244 Resp: 211021

Ion Ratio Lower Upper

244 100

212 5.5 5.0 7.4

122 10.8 9.0 13.4



#81

Benzo(a)anthracene

Concen: 2.164 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

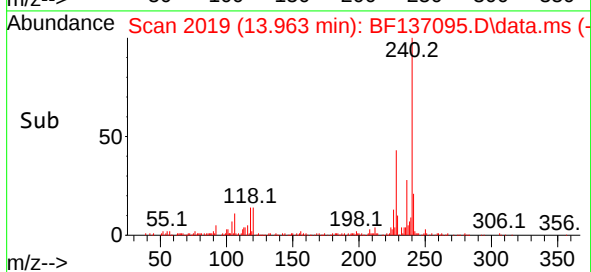
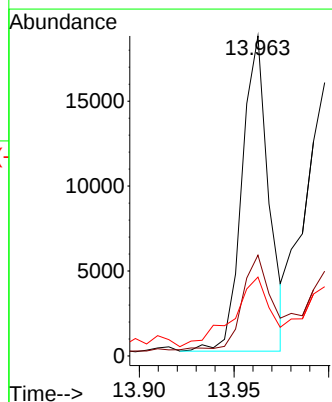
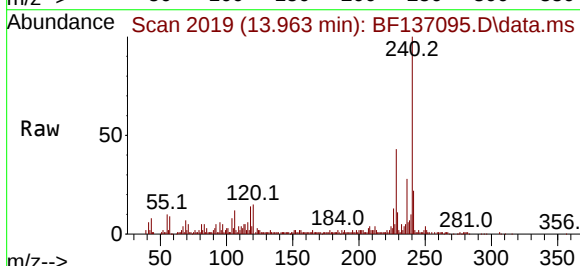
Tgt Ion:228 Resp: 18222

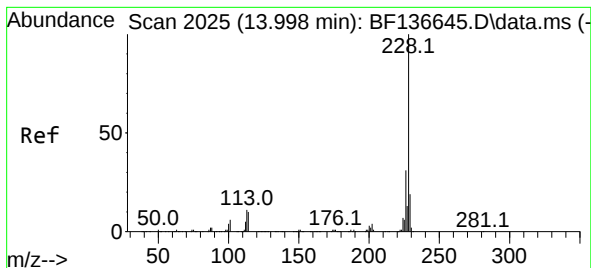
Ion Ratio Lower Upper

228 100

226 31.5 21.4 32.0

229 24.7 14.9 22.3#





#83

Chrysene

Concen: 2.280 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

Instrument :

BNA_F

ClientSampleId :

275

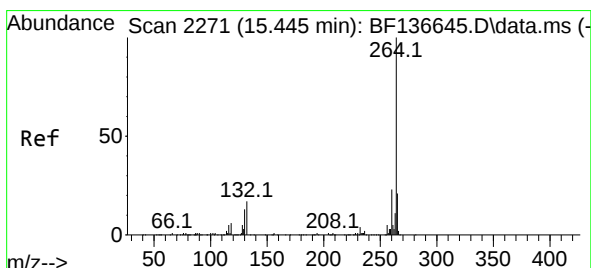
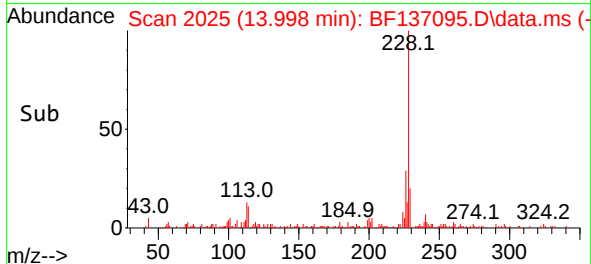
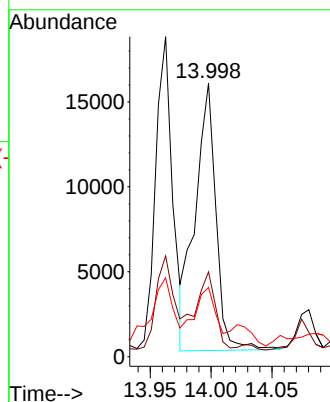
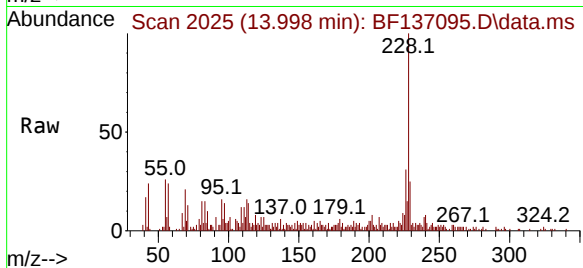
Tgt Ion:228 Resp: 18771

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

229 25.4 15.4 23.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

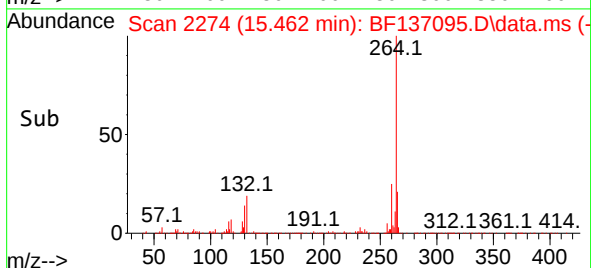
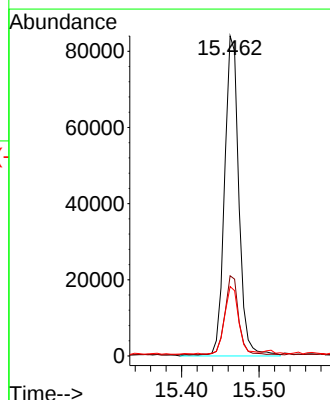
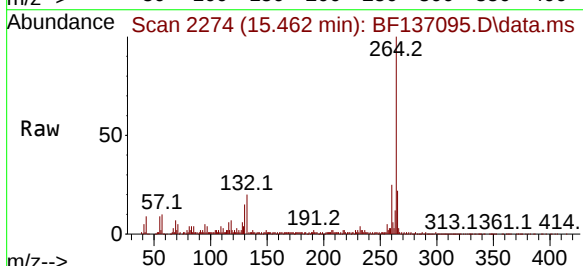
Tgt Ion:264 Resp: 107681

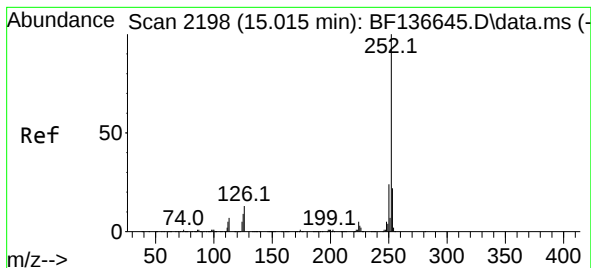
Ion Ratio Lower Upper

264 100

260 25.0 18.3 27.5

265 21.7 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.806 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

Instrument :

BNA_F

ClientSampleId :

275

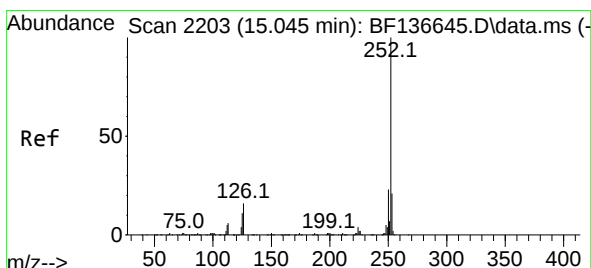
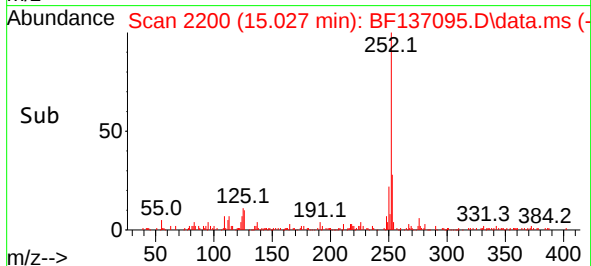
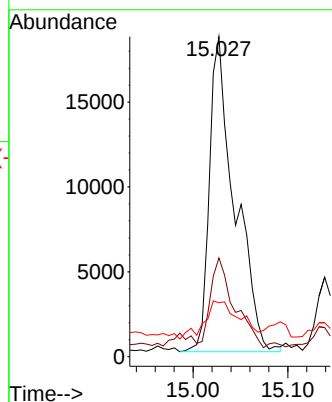
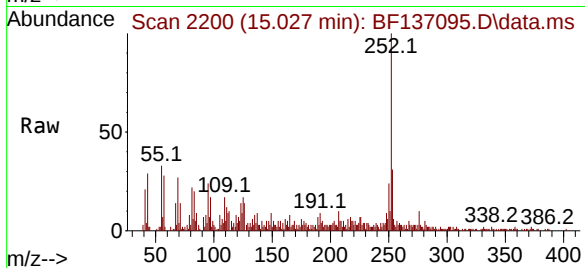
Tgt Ion:252 Resp: 34562

Ion Ratio Lower Upper

252 100

253 30.8 17.4 26.0#

125 16.9 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 5.086 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF137095.D

Acq: 17 Jan 2024 16:06

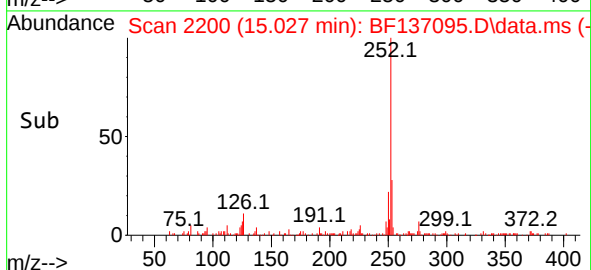
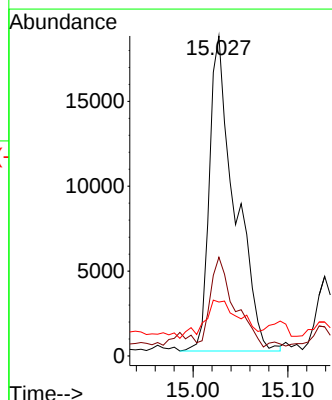
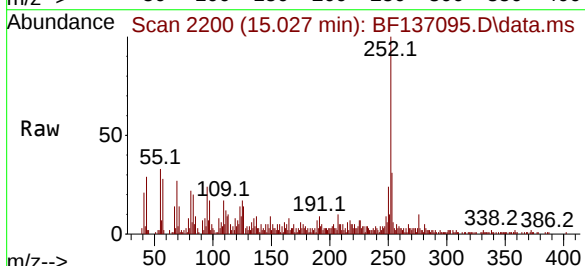
Tgt Ion:252 Resp: 34562

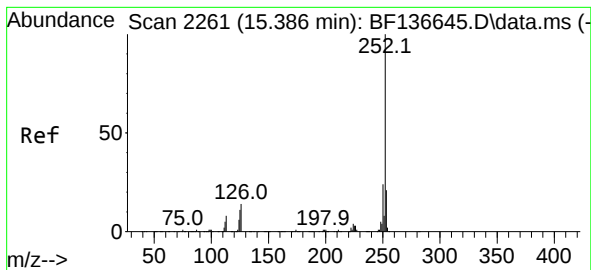
Ion Ratio Lower Upper

252 100

253 30.8 17.0 25.6#

125 16.9 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 3.021 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137095.D

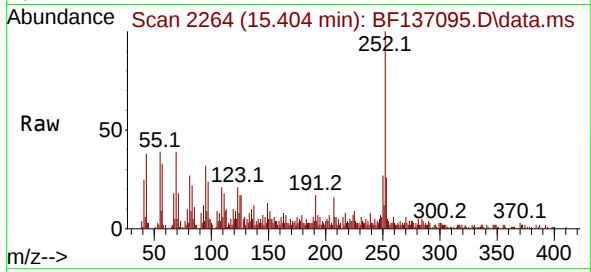
Acq: 17 Jan 2024 16:06

Instrument :

BNA_F

ClientSampleId :

275



Tgt Ion:252 Resp: 18342

Ion Ratio Lower Upper

252 100

253 26.5 17.0 25.6#

125 17.0 8.8 13.2#

