

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132035.D
 Acq On : 11 Jan 2023 21:39
 Operator : CG\JU
 Sample : 01083-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-010923

Quant Time: Jan 12 00:39:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

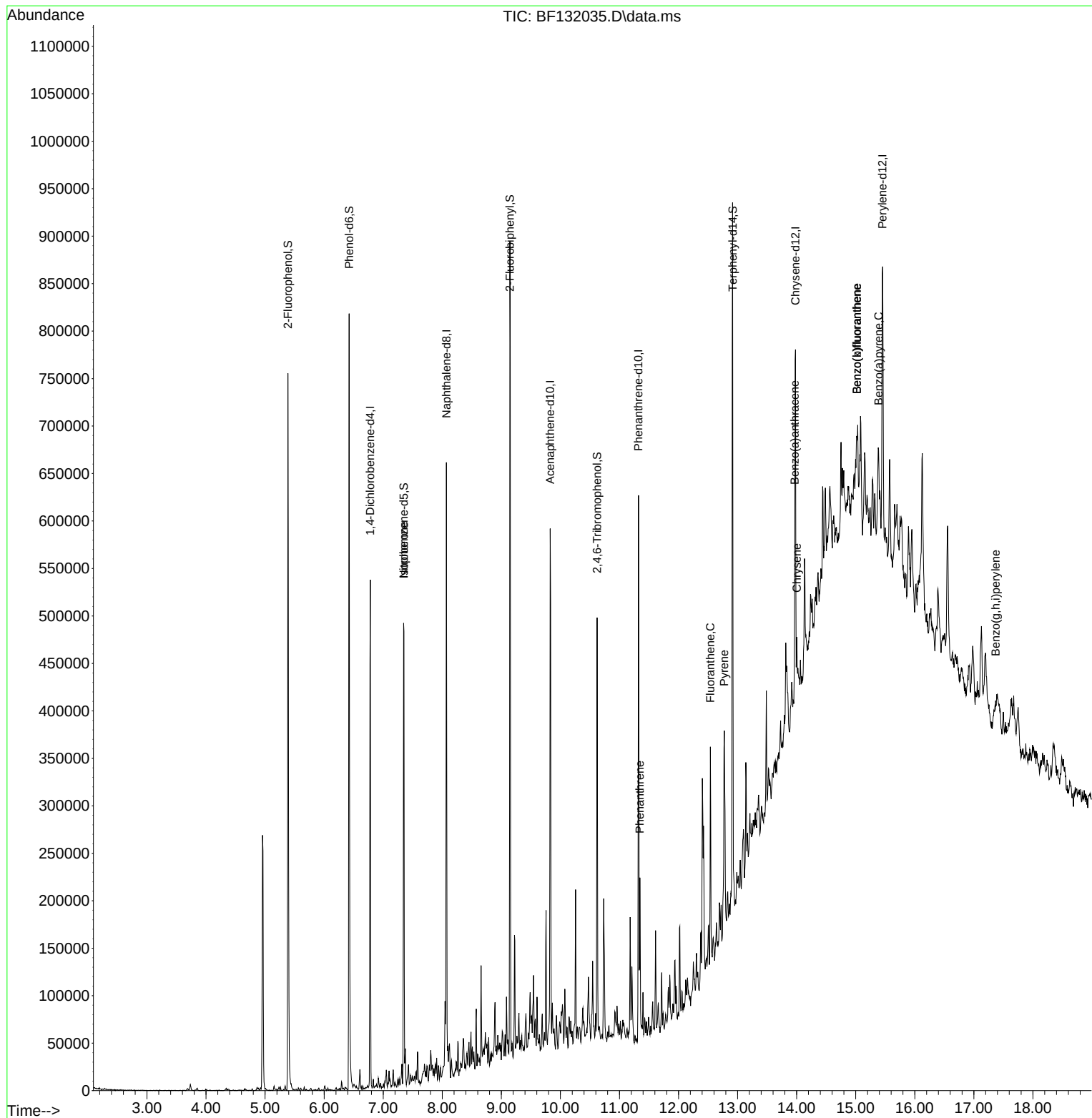
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71124	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	220895	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	105941	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	189760	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	118883	20.000	ng	0.00
86) Perylene-d12	15.451	264	95904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	196395	45.500	ng	0.00
7) Phenol-d6	6.422	99	240464	42.017	ng	-0.01
23) Nitrobenzene-d5	7.345	82	160466	30.150	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	41758	34.282	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	241071	30.719	ng	-0.02
79) Terphenyl-d14	12.916	244	236232	28.481	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.345	82	160149	16.107	ng	# 69
71) Phenanthrene	11.345	178	52536	5.311	ng	99
75) Fluoranthene	12.539	202	82911	7.452	ng	99
78) Pyrene	12.774	202	79874	7.367	ng	99
81) Benzo(a)anthracene	13.969	228	25315	2.927	ng	# 83
83) Chrysene	14.004	228	29425	3.640	ng	# 86
88) Benzo(b)fluoranthene	15.021	252	27865	4.236	ng	# 48
89) Benzo(k)fluoranthene	15.021	252	27865	4.245	ng	# 47
90) Benzo(a)pyrene	15.386	252	15906	2.684	ng	# 65
92) Benzo(g,h,i)perylene	17.368	276	11455	5.535	ng	# 75

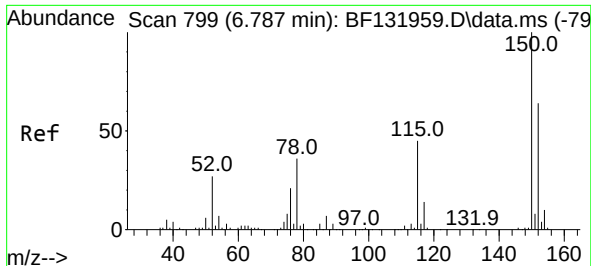
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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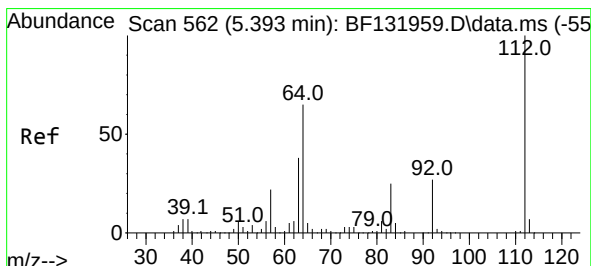
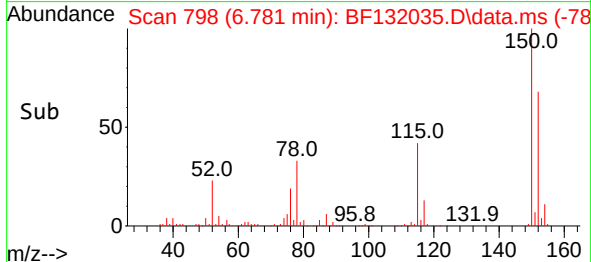
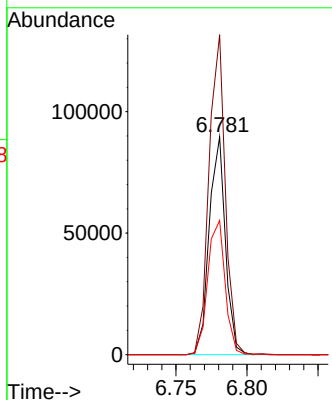
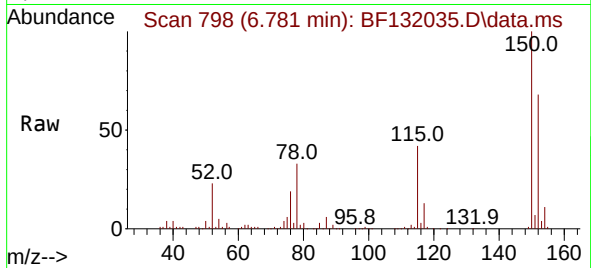




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

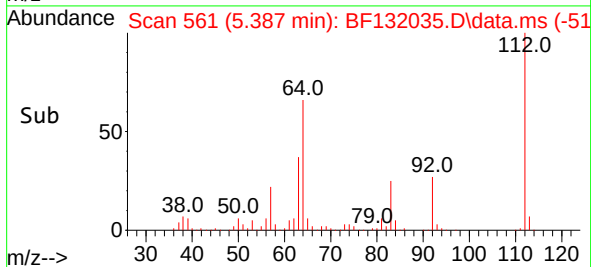
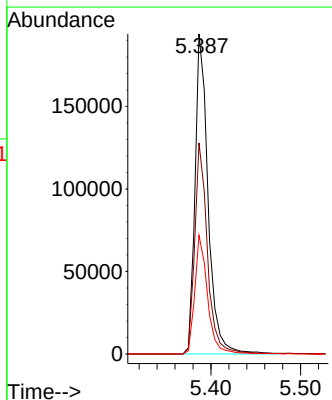
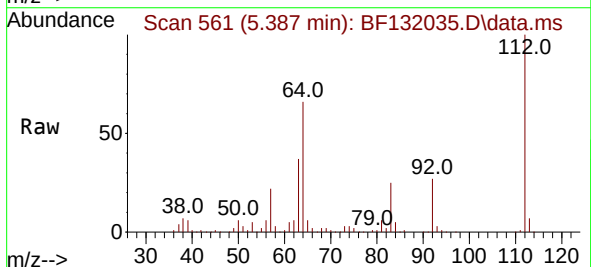
Instrument :
BNA_F
ClientSampleId :
OK-01-010923

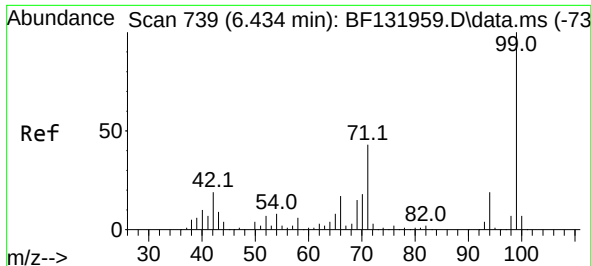
Tgt Ion:152 Resp: 71124
Ion Ratio Lower Upper
152 100
150 146.8 124.6 186.8
115 61.6 55.6 83.4



#5
2-Fluorophenol
Concen: 45.500 ng
RT: 5.387 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:112 Resp: 196395
Ion Ratio Lower Upper
112 100
64 66.0 51.9 77.9
63 37.1 30.2 45.2

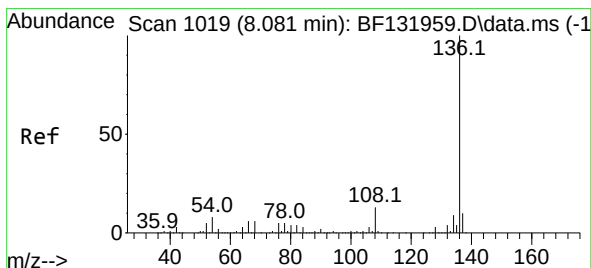
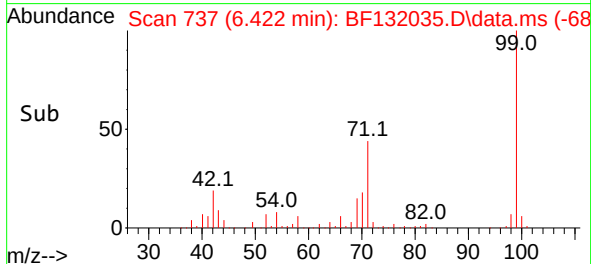
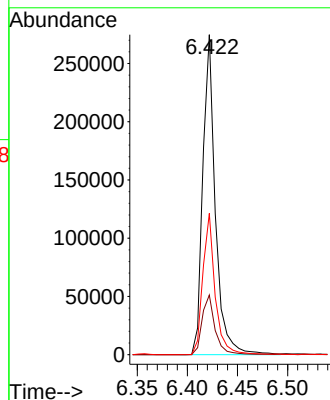
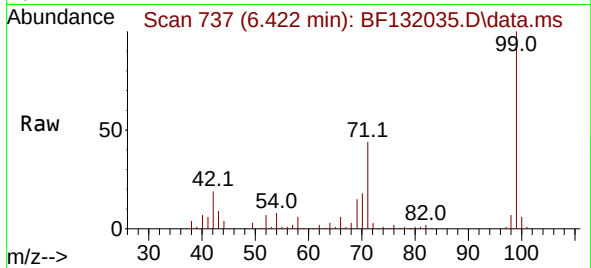




#7
Phenol-d6
Concen: 42.017 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

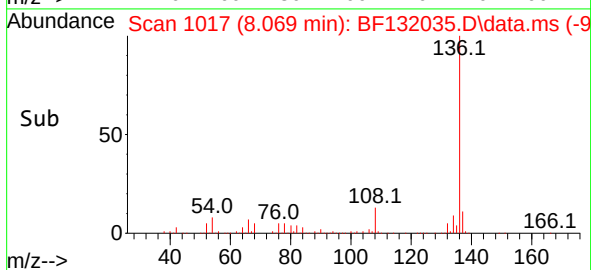
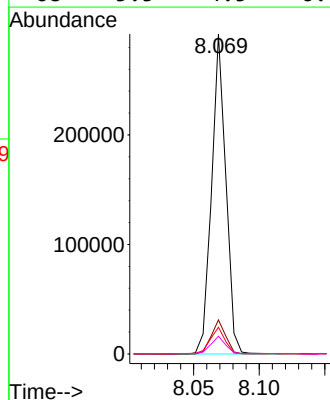
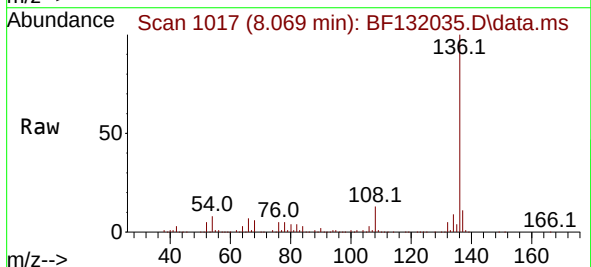
Instrument :
BNA_F
ClientSampleId :
OK-01-010923

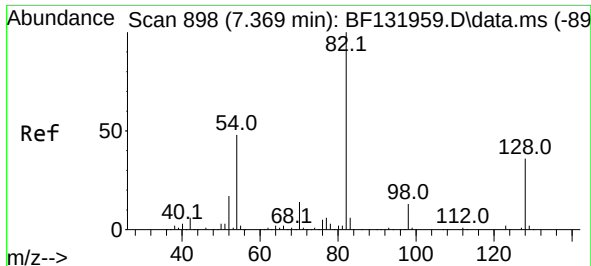
Tgt Ion: 99 Resp: 240464
Ion Ratio Lower Upper
99 100
42 18.7 15.4 23.2
71 44.1 34.6 51.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion: 136 Resp: 220895
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.2
54 8.3 6.6 9.8
68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 30.150 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.024 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

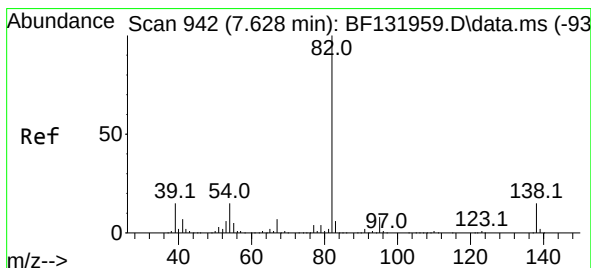
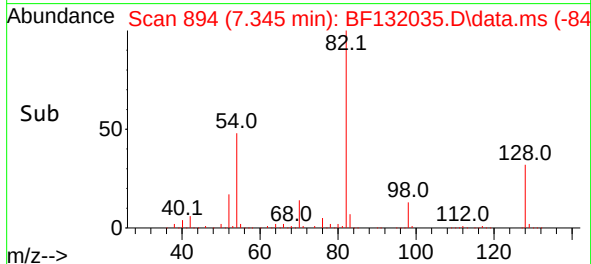
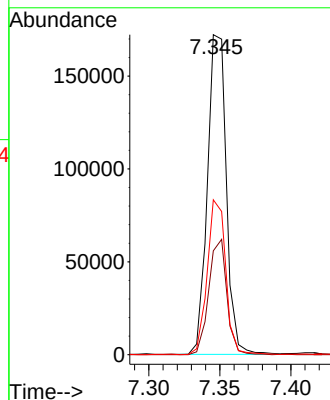
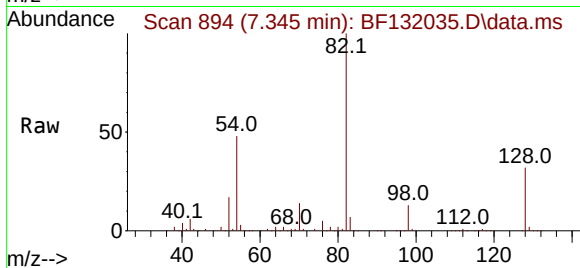
Tgt Ion: 82 Resp: 160466

Ion Ratio Lower Upper

82 100

128 32.5 28.7 43.1

54 48.4 38.1 57.1



#25

Isophorone

Concen: 16.107 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.282 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

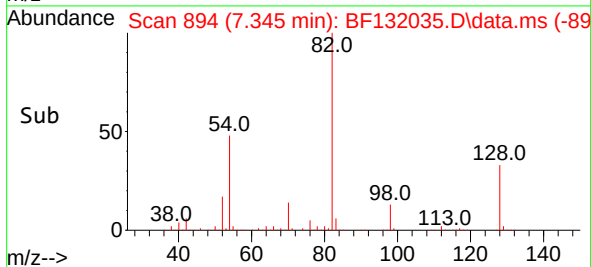
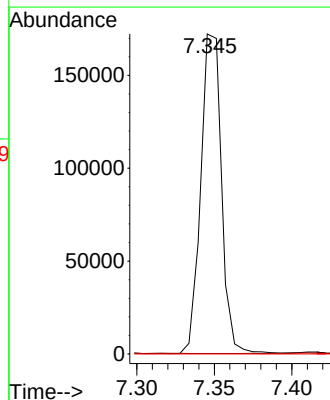
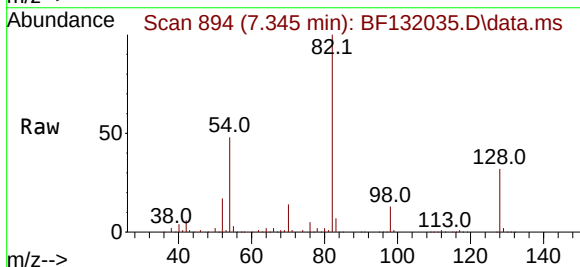
Tgt Ion: 82 Resp: 160149

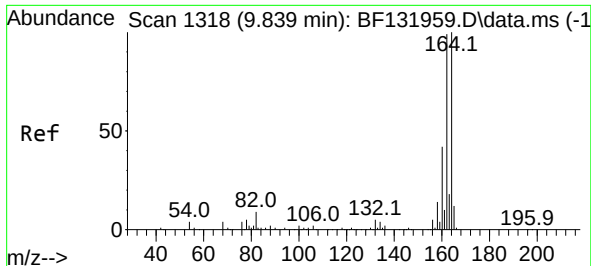
Ion Ratio Lower Upper

82 100

95 0.1 6.5 9.7#

138 0.0 11.9 17.9#

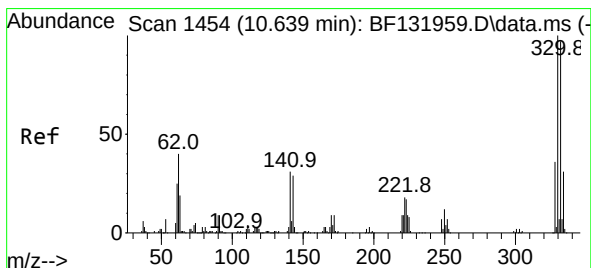
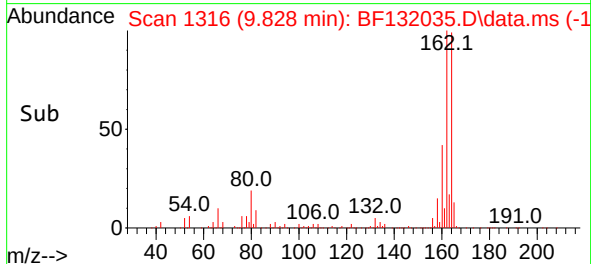
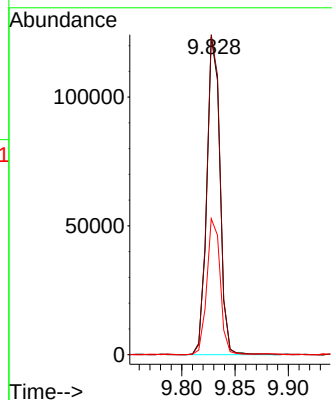
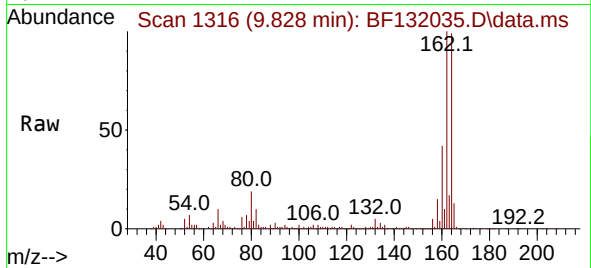




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

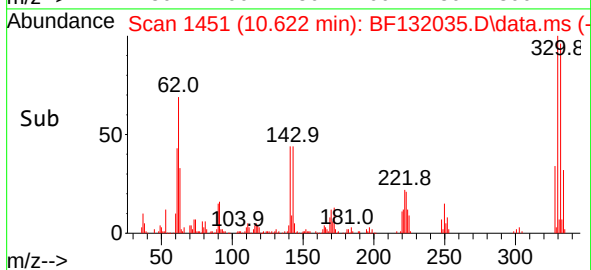
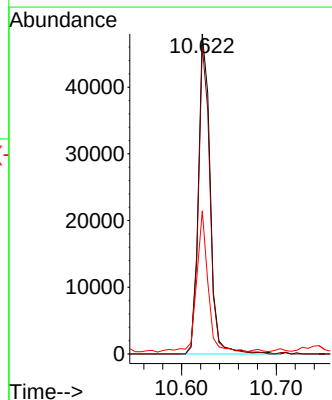
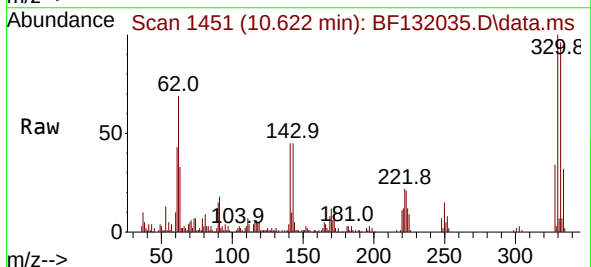
Instrument :
BNA_F
ClientSampleId :
OK-01-010923

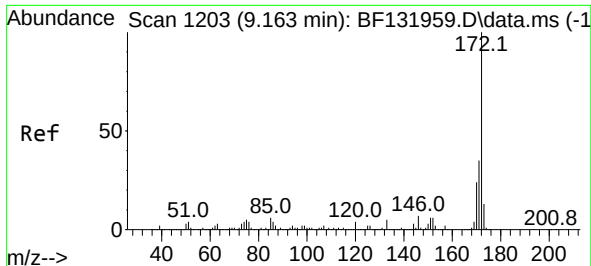
Tgt Ion:164 Resp: 105941
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.0
160 42.8 33.9 50.9



#42
2,4,6-Tribromophenol
Concen: 34.282 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:330 Resp: 41758
Ion Ratio Lower Upper
330 100
332 94.5 76.9 115.3
141 42.7 31.3 46.9

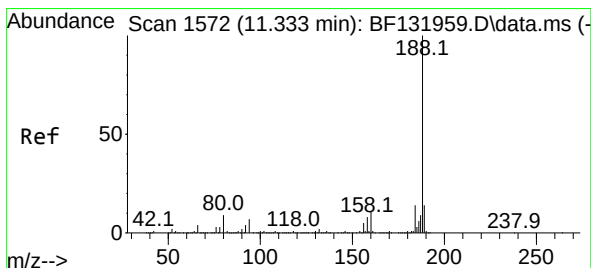
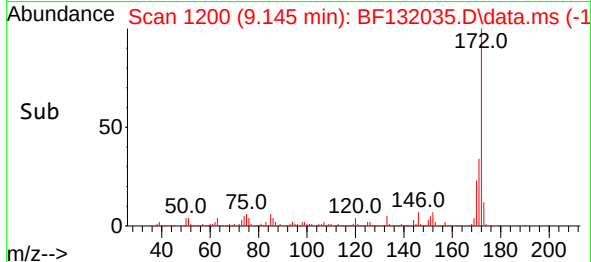
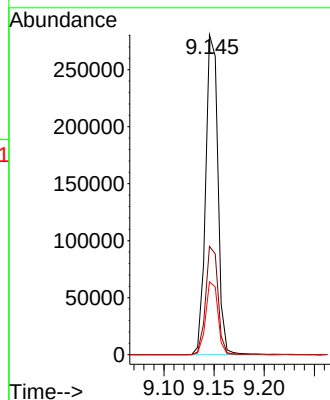
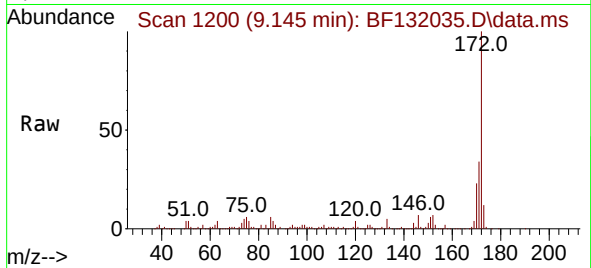




#45
2-Fluorobiphenyl
Concen: 30.719 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

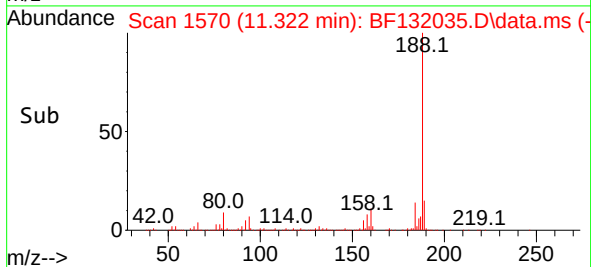
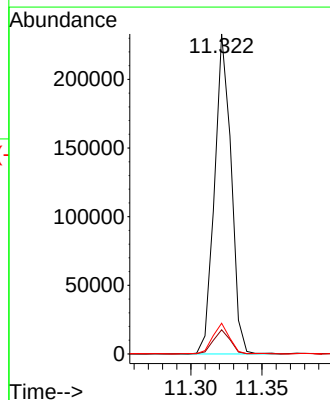
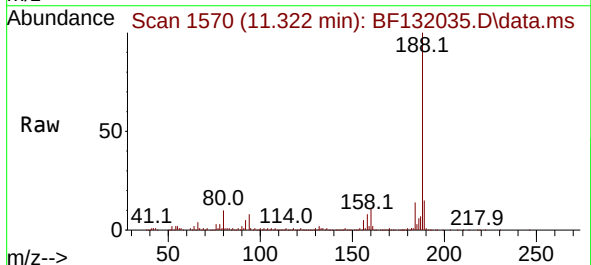
Instrument :
BNA_F
ClientSampleId :
OK-01-010923

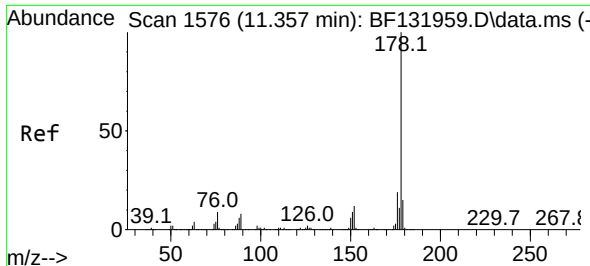
Tgt Ion:172 Resp: 241071
Ion Ratio Lower Upper
172 100
171 33.9 28.0 42.0
170 22.8 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:188 Resp: 189760
Ion Ratio Lower Upper
188 100
94 7.6 5.8 8.6
80 9.6 7.4 11.0

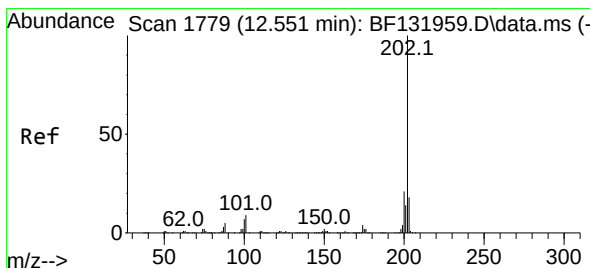
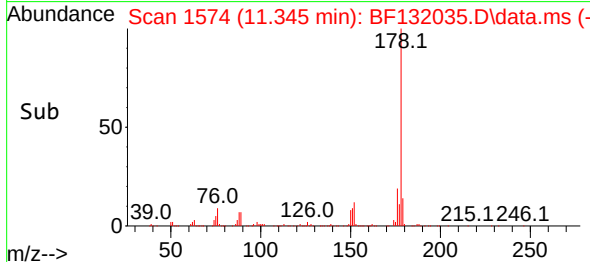
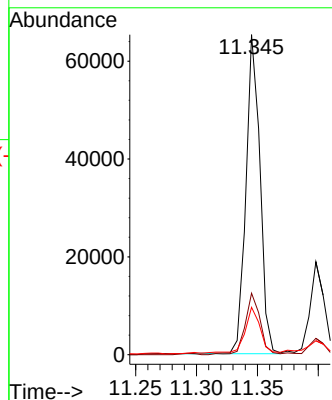
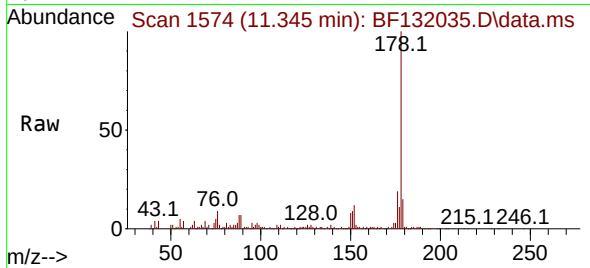




#71
Phenanthrene
Concen: 5.311 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

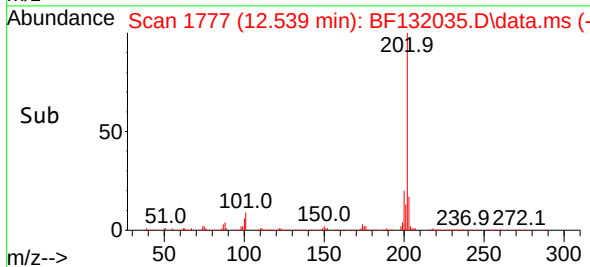
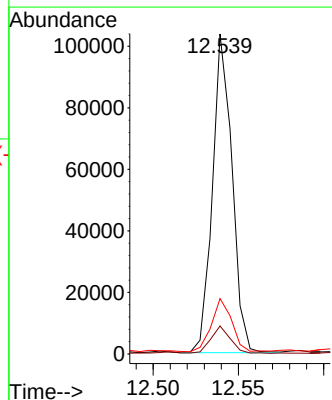
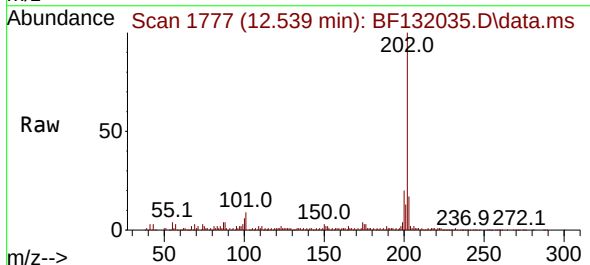
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OK-01-010923

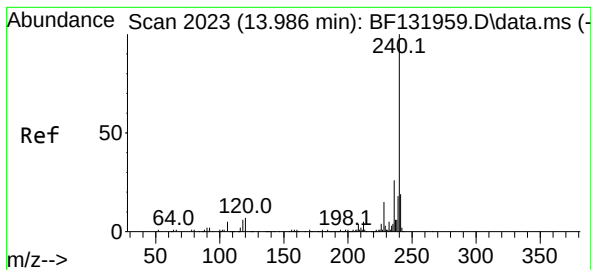
Tgt Ion:178 Resp: 52536
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.8 12.4 18.6



#75
Fluoranthene
Concen: 7.452 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:202 Resp: 82911
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.8
203 17.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

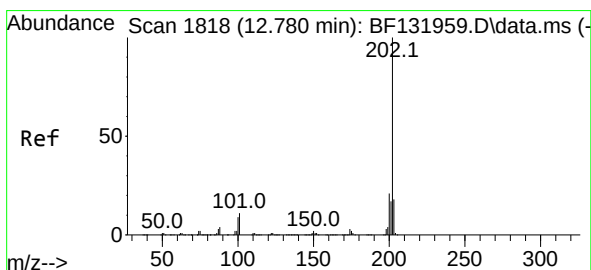
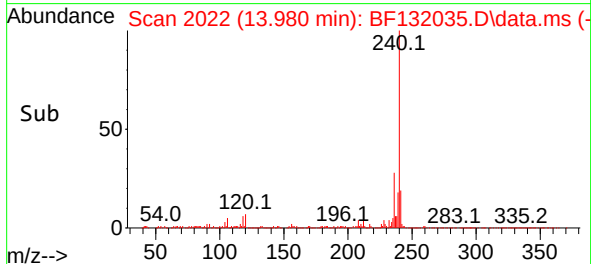
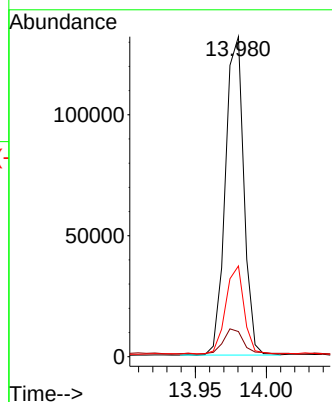
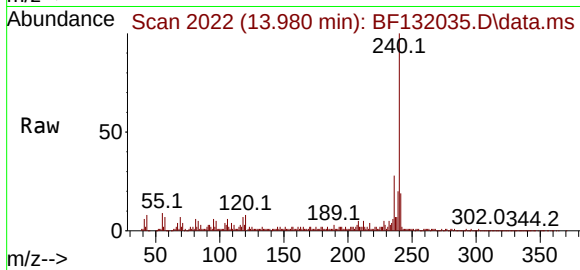
Tgt Ion:240 Resp: 118883

Ion Ratio Lower Upper

240 100

120 7.9 5.4 8.0

236 28.3 21.1 31.7



#78

Pyrene

Concen: 7.367 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

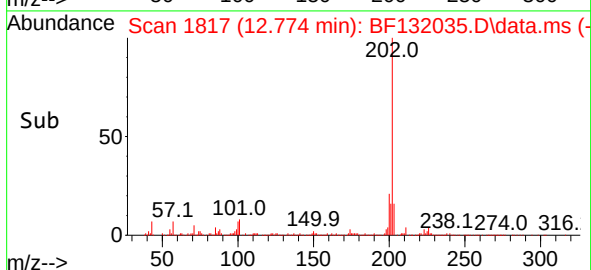
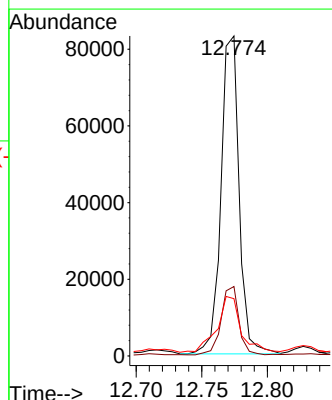
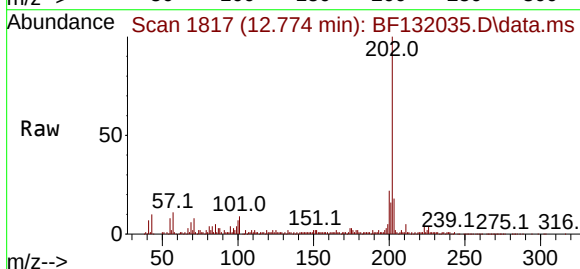
Tgt Ion:202 Resp: 79874

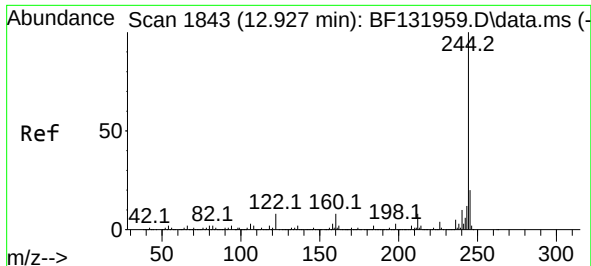
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.6

203 17.9 14.1 21.1

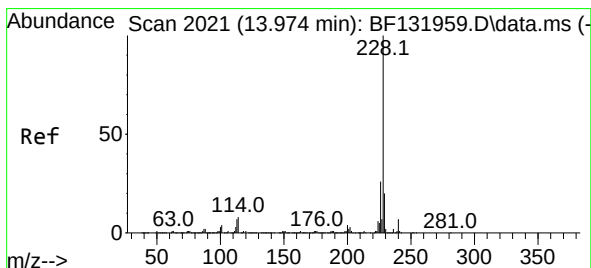
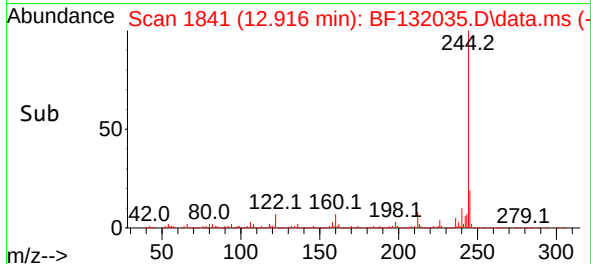
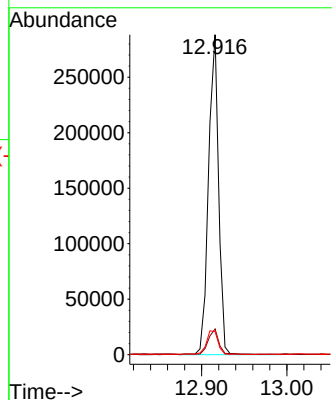
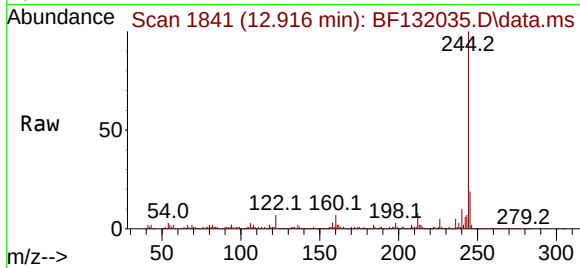




#79
 Terphenyl-d14
 Concen: 28.481 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132035.D
 Acq: 11 Jan 2023 21:39

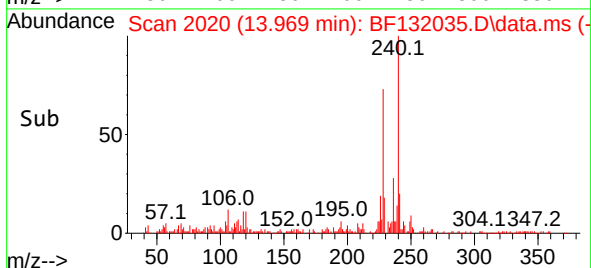
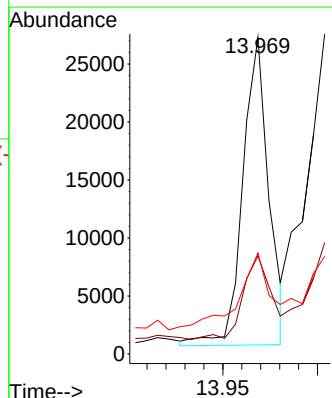
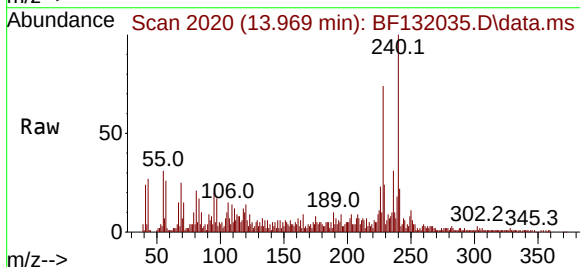
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-010923

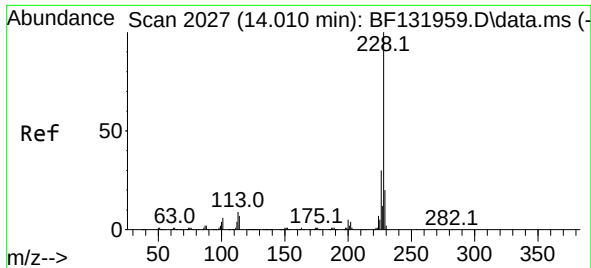
Tgt Ion:244 Resp: 236232
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 7.2 6.8 10.2



#81
 Benzo(a)anthracene
 Concen: 2.927 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF132035.D
 Acq: 11 Jan 2023 21:39

Tgt Ion:228 Resp: 25315
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.0 31.4
 229 31.9 15.8 23.6#





#83

Chrysene

Concen: 3.640 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

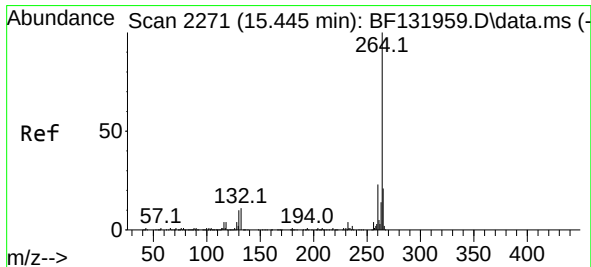
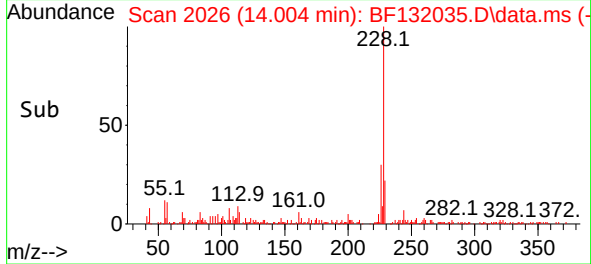
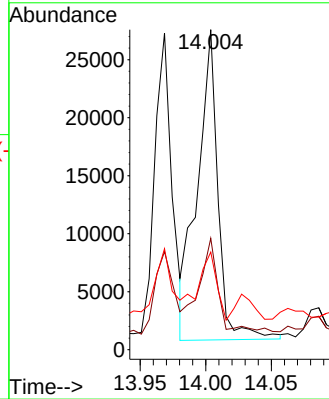
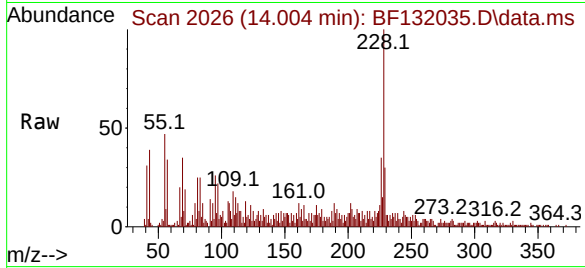
Instrument :

BNA_F

ClientSampleId :

OK-01-010923

Tgt Ion:	228	Resp:	29425
Ion Ratio	Lower	Upper	
228	100		
226	34.8	24.0	36.0
229	30.5	16.2	24.4



#86

Perylene-d12

Concen: 20.000 ng

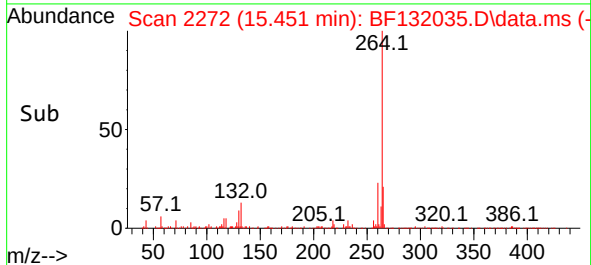
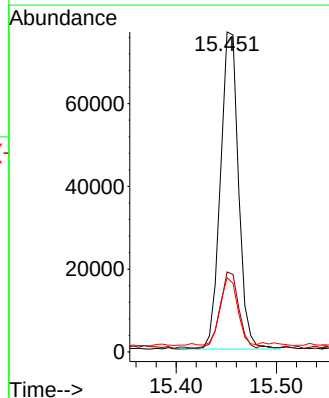
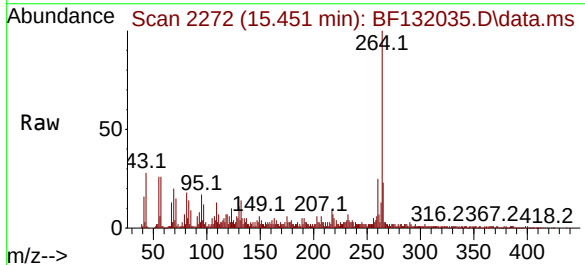
RT: 15.451 min Scan# 2272

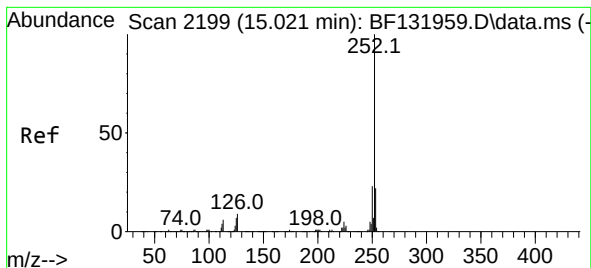
Delta R.T. 0.006 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Tgt Ion:	264	Resp:	95904
Ion Ratio	Lower	Upper	
264	100		
260	25.0	18.3	27.5
265	23.2	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 4.236 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

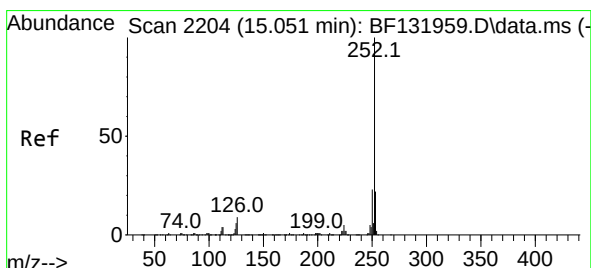
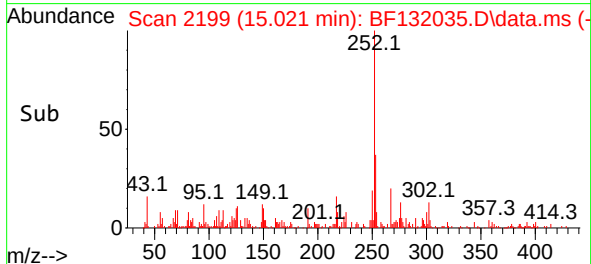
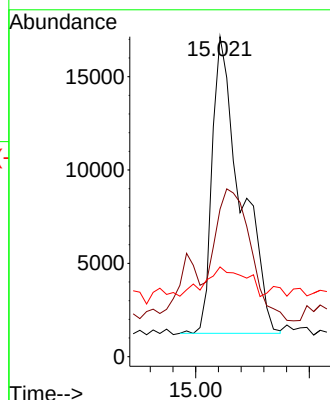
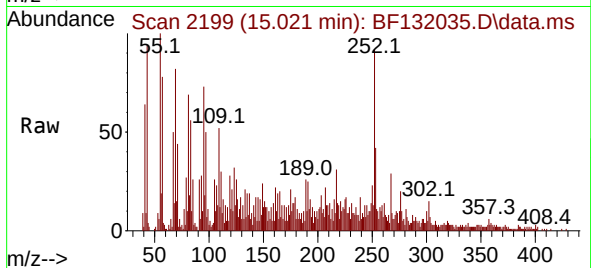
Tgt Ion:252 Resp: 27865

Ion Ratio Lower Upper

252 100

253 46.1 18.0 27.0#

125 28.1 5.8 8.6#



#89

Benzo(k)fluoranthene

Concen: 4.245 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

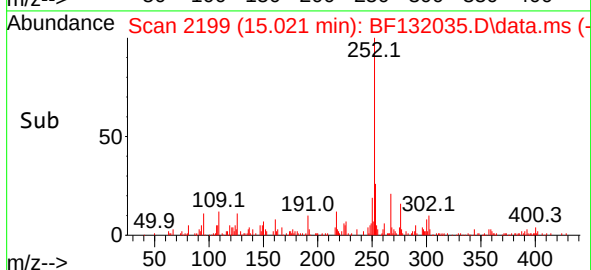
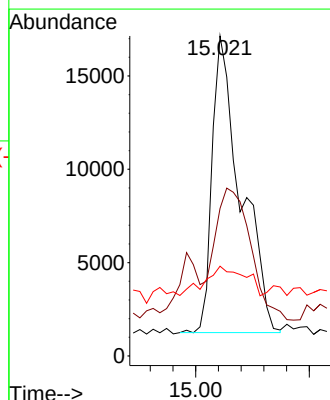
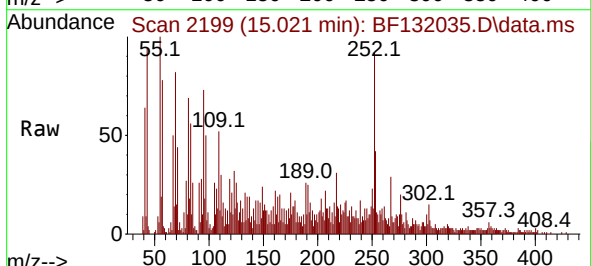
Tgt Ion:252 Resp: 27865

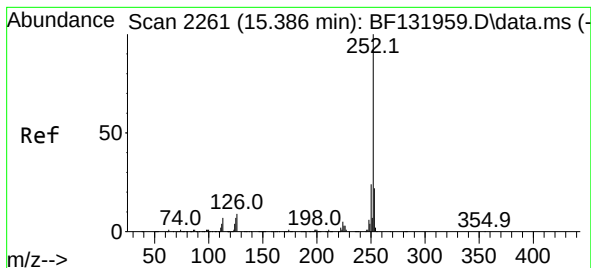
Ion Ratio Lower Upper

252 100

253 46.1 17.8 26.6#

125 28.1 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 2.684 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

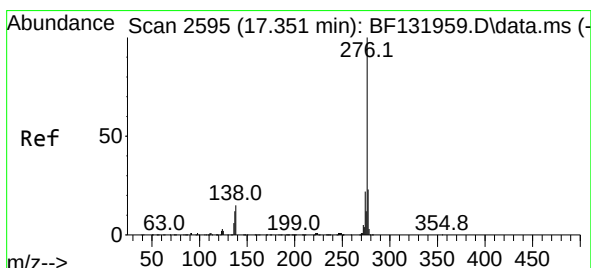
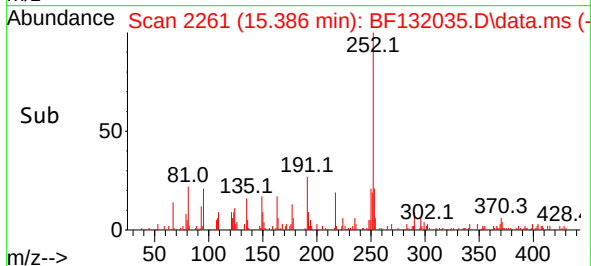
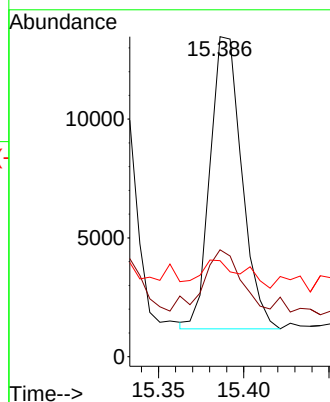
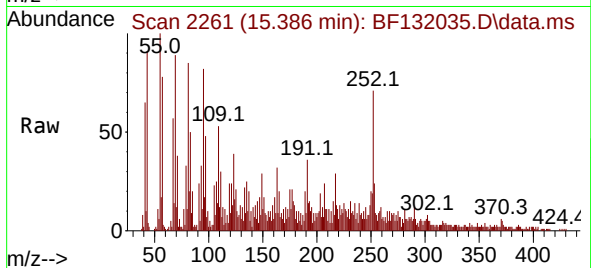
Tgt Ion:252 Resp: 15906

Ion Ratio Lower Upper

252 100

253 33.4 17.4 26.0#

125 30.0 5.7 8.5#



#92

Benzo(g,h,i)perylene

Concen: 5.535 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.017 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Tgt Ion:276 Resp: 11455

Ion Ratio Lower Upper

276 100

277 37.0 18.2 27.2#

138 21.5 11.7 17.5#

