

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135232.D
 Acq On : 13 Sep 2023 20:21
 Operator : CG\JU
 Sample : 04321-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4296

Quant Time: Sep 14 02:23:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

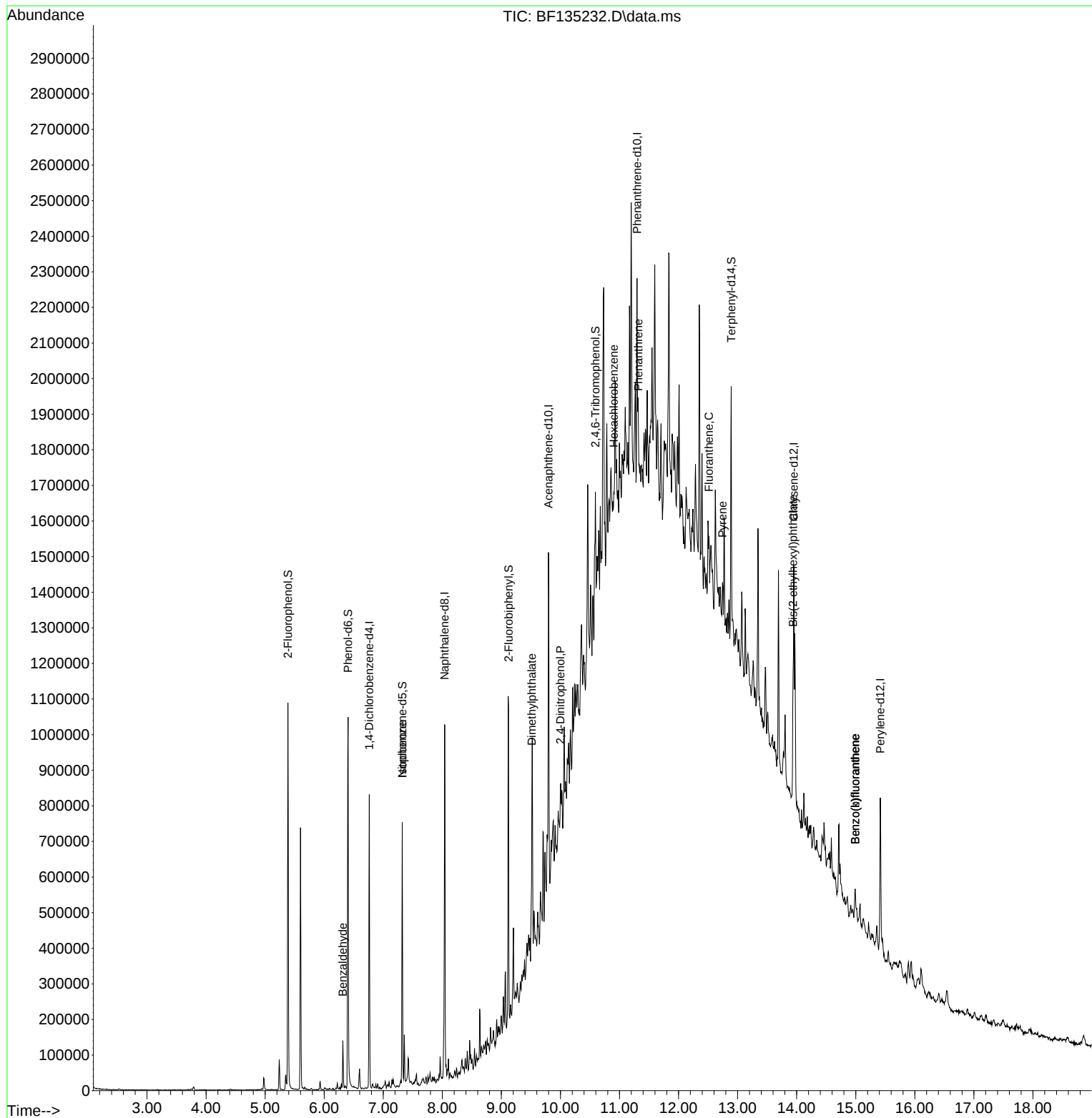
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	109775	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	384156	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	141912	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	209858	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	209363	20.000	ng	0.00
86) Perylene-d12	15.415	264	201201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	276898	41.026	ng	0.00
7) Phenol-d6	6.404	99	330766	38.541	ng	0.00
23) Nitrobenzene-d5	7.322	82	189581	26.812	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	48419	34.333	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	286355	30.444	ng	0.00
79) Terphenyl-d14	12.892	244	223857	16.575	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.316	77	22351	4.572	ng	98
25) Isophorone	7.322	82	189581	14.601	ng	# 65
50) Dimethylphthalate	9.516	163	135730	14.146	ng	98
54) 2,4-Dinitrophenol	9.998	184	131	6.349	ng	# 1
68) Hexachlorobenzene	10.904	284	9057	4.259	ng	# 78
71) Phenanthrene	11.322	178	35826	3.610	ng	# 81
75) Fluoranthene	12.516	202	51250	4.955	ng	92
78) Pyrene	12.745	202	46907	2.353	ng	# 95
84) Bis(2-ethylhexyl)phtha...	13.939	149	89026	12.362	ng	99
88) Benzo(b)fluoranthene	14.992	252	40685	3.735	ng	# 77
89) Benzo(k)fluoranthene	14.992	252	40685	3.781	ng	# 77

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

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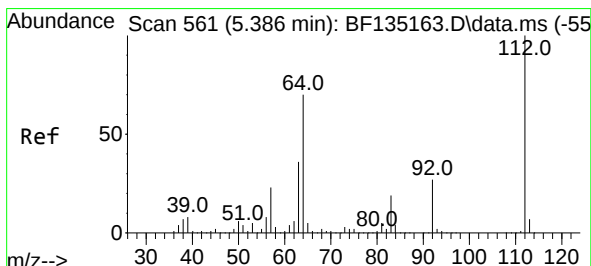
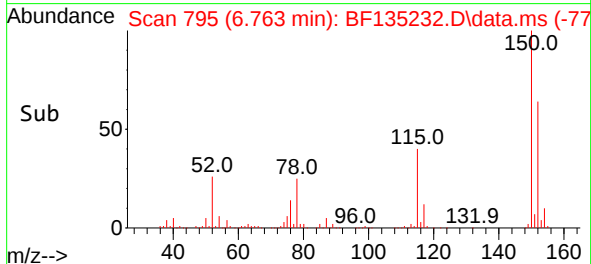
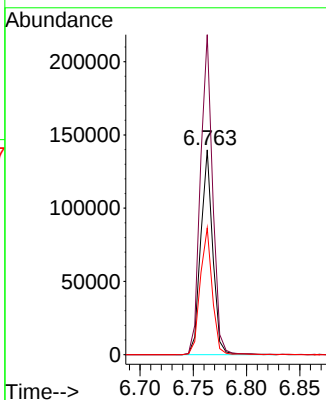
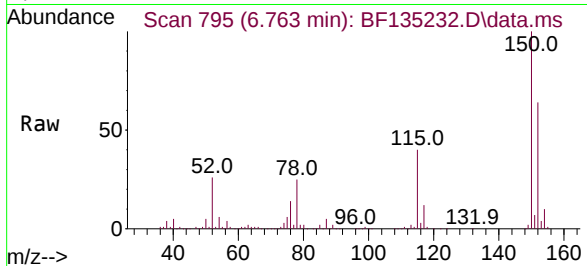




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

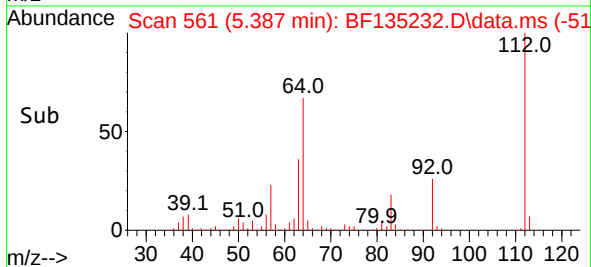
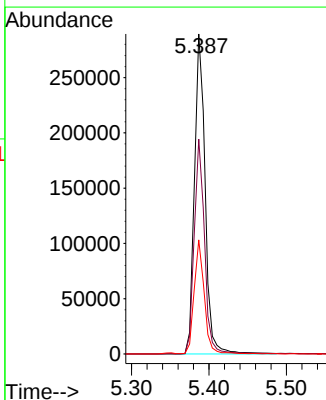
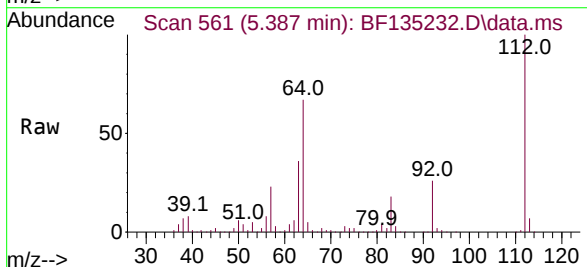
Instrument :
BNA_F
ClientSampleId :
RT4296

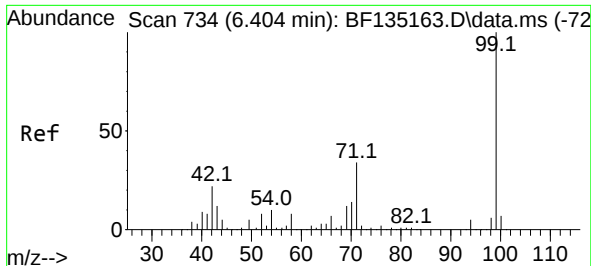
Tgt Ion:152 Resp: 109775
Ion Ratio Lower Upper
152 100
150 156.3 127.8 191.6
115 61.9 49.8 74.8



#5
2-Fluorophenol
Concen: 41.026 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Tgt Ion:112 Resp: 276898
Ion Ratio Lower Upper
112 100
64 67.2 55.9 83.9
63 35.7 29.0 43.6

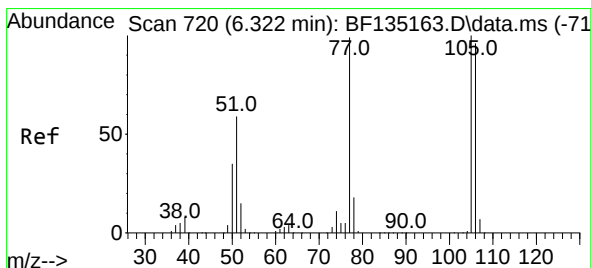
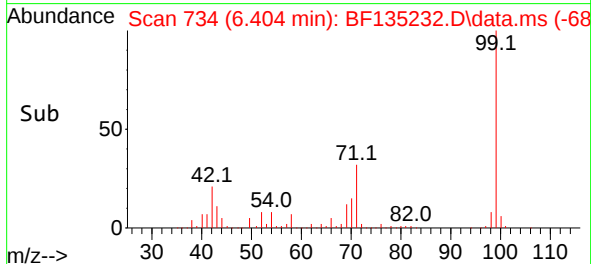
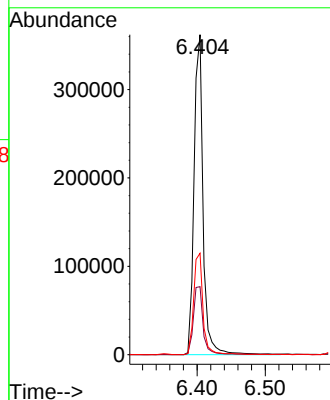
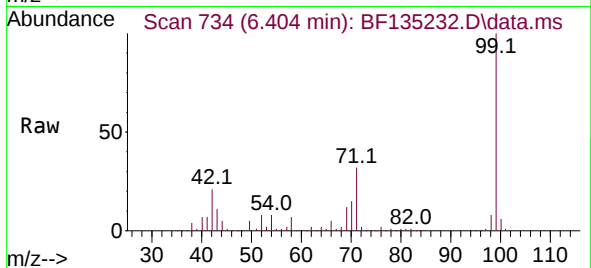




#7
Phenol-d6
Concen: 38.541 ng
RT: 6.404 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

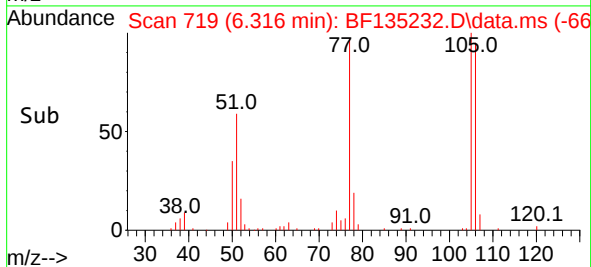
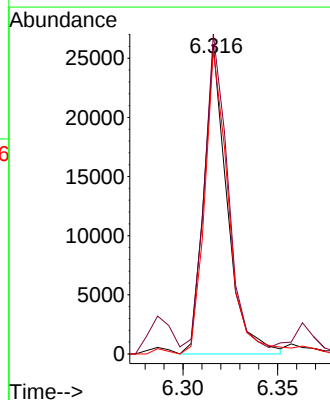
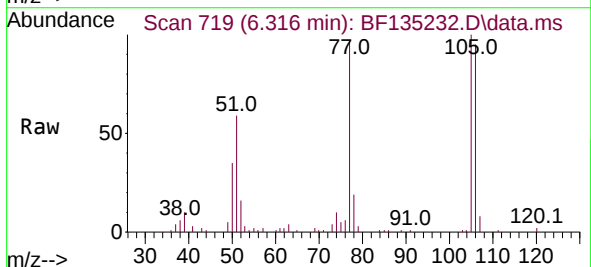
Instrument :
BNA_F
ClientSampleId :
RT4296

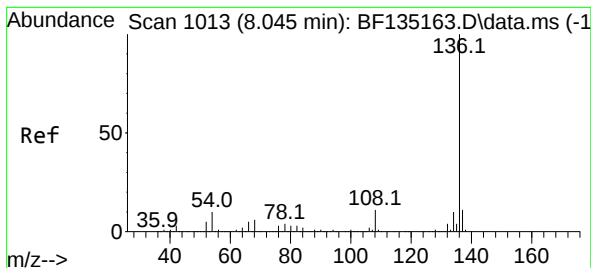
Tgt Ion: 99 Resp: 330766
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 31.7 27.0 40.6



#9
Benzaldehyde
Concen: 4.572 ng
RT: 6.316 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Tgt Ion: 77 Resp: 22351
Ion Ratio Lower Upper
77 100
105 103.4 81.4 121.4
106 98.2 76.9 116.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.039 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

Tgt Ion:136 Resp: 384156

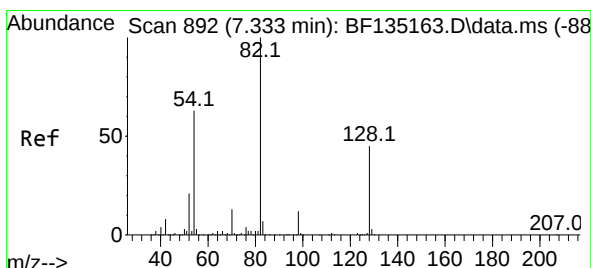
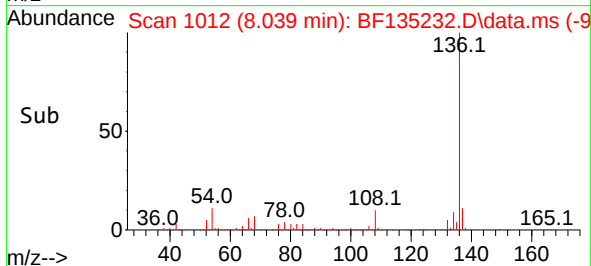
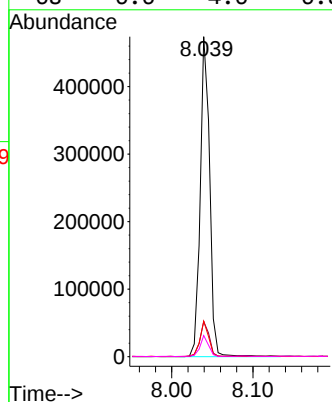
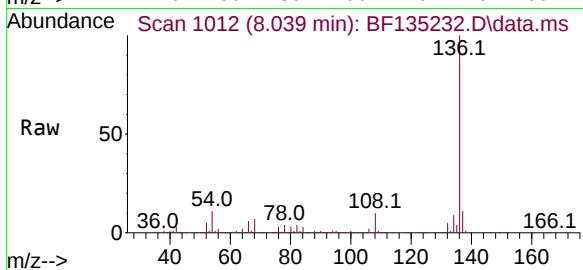
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 11.1 7.7 11.5

68 6.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 26.812 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

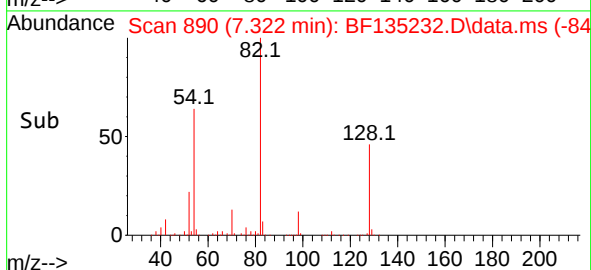
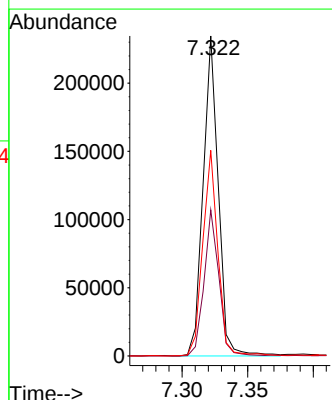
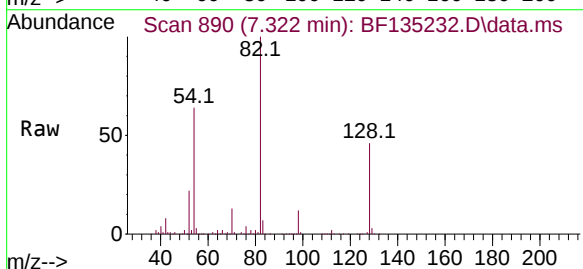
Tgt Ion: 82 Resp: 189581

Ion Ratio Lower Upper

82 100

128 45.7 35.8 53.6

54 64.3 50.6 76.0

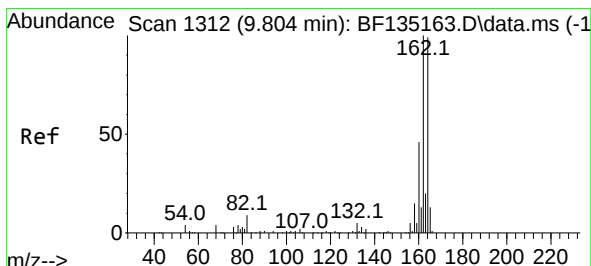
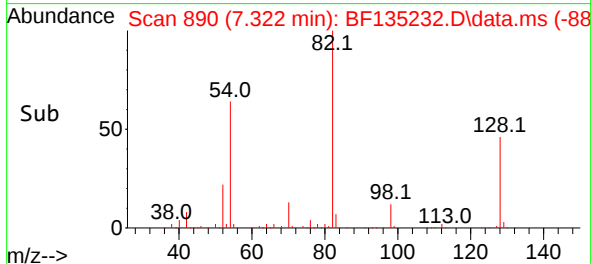
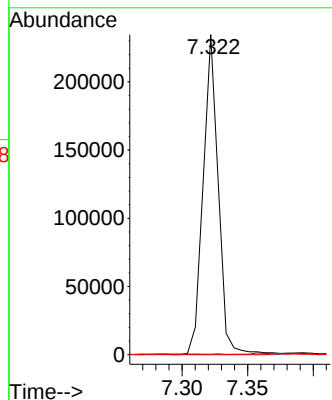
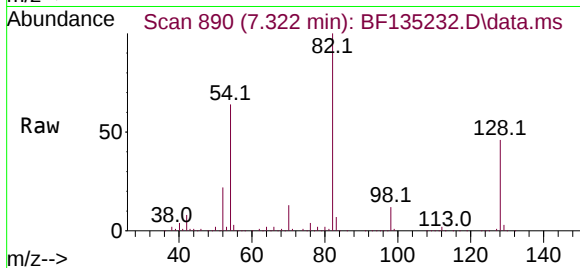




#25
Isophorone
Concen: 14.601 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

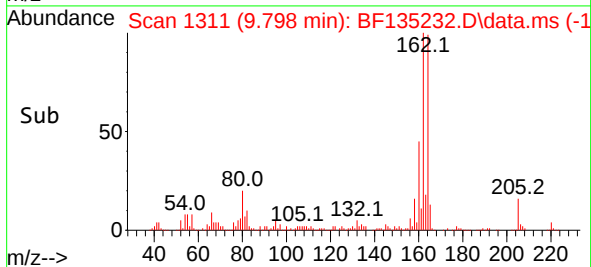
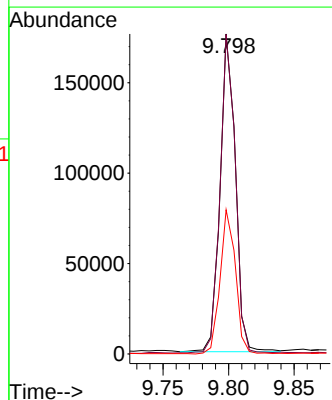
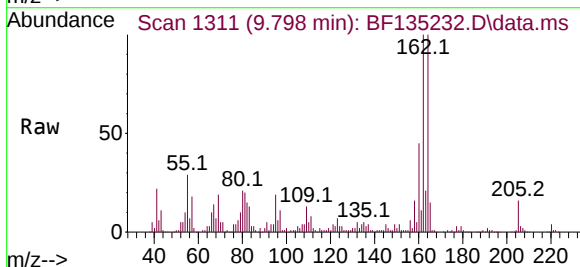
Instrument :
BNA_F
ClientSampleId :
RT4296

Tgt Ion: 82 Resp: 189581
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Tgt Ion: 164 Resp: 141912
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 45.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 34.333 ng

RT: 10.592 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

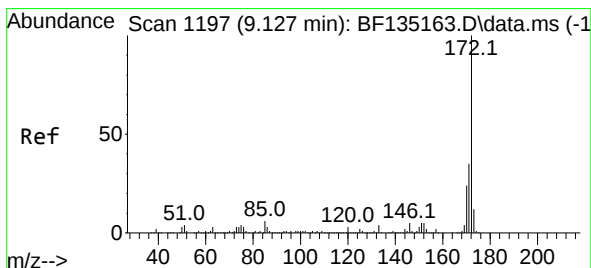
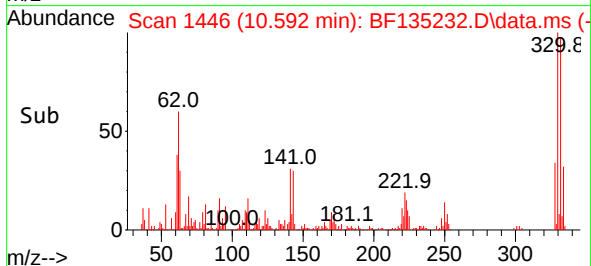
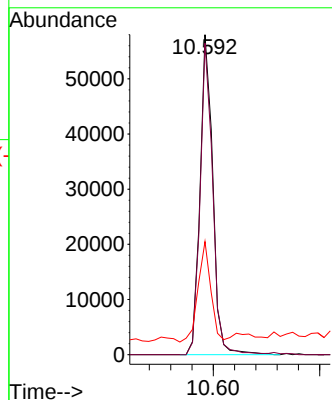
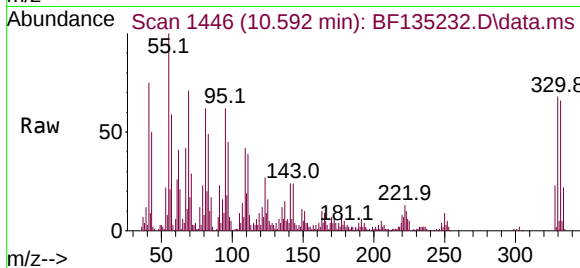
Tgt Ion:330 Resp: 48419

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

141 31.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 30.444 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

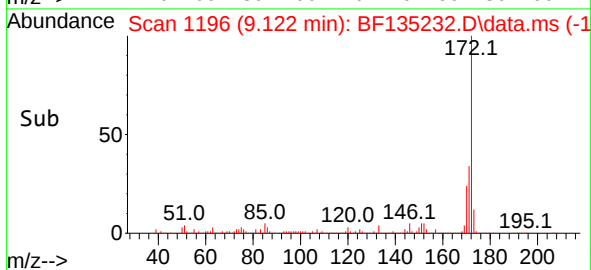
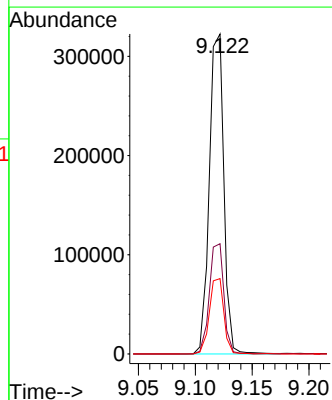
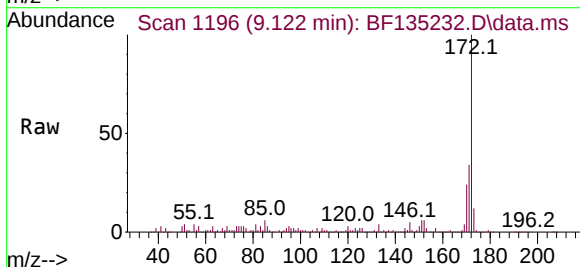
Tgt Ion:172 Resp: 286355

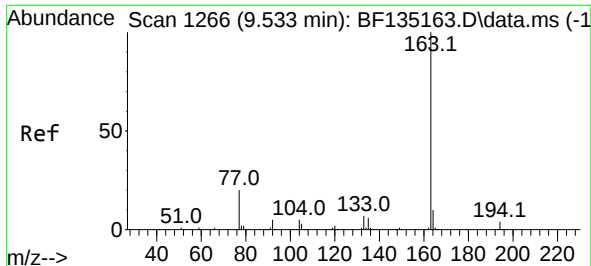
Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 23.6 19.0 28.4

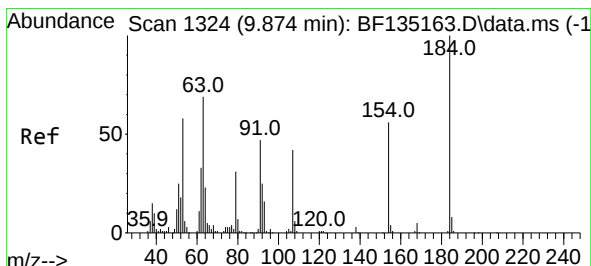
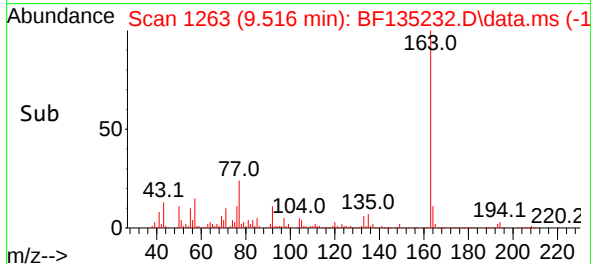
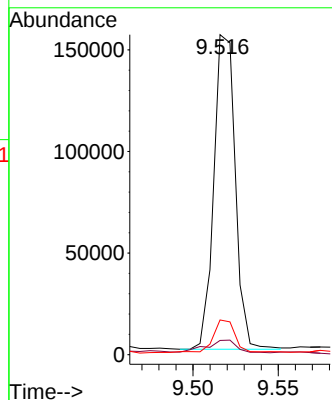
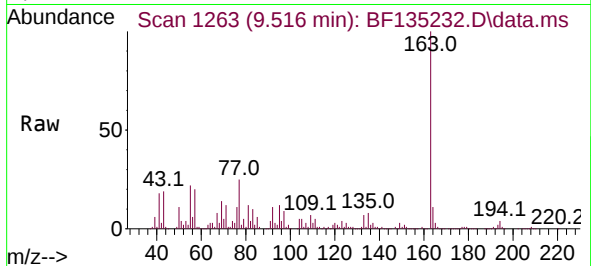




#50
Dimethylphthalate
Concen: 14.146 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

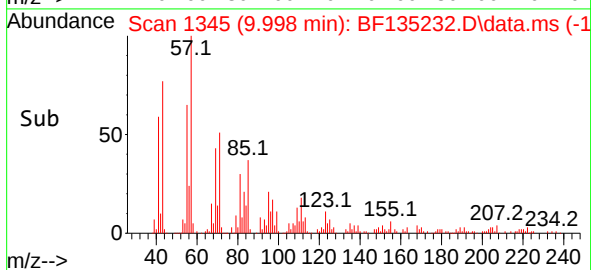
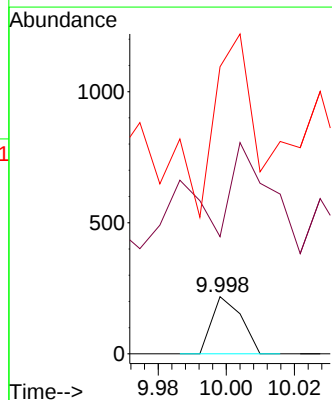
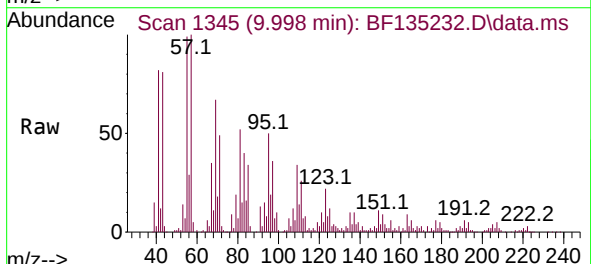
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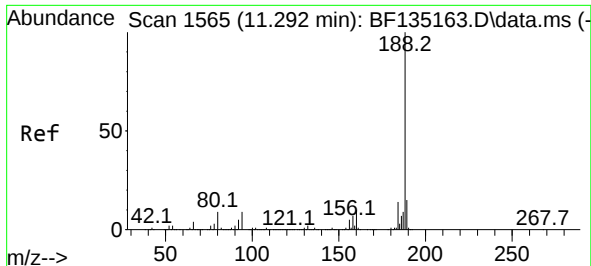
Tgt Ion:163 Resp: 135730
Ion Ratio Lower Upper
163 100
194 4.5 3.1 4.7
164 10.8 8.1 12.1



#54
2,4-Dinitrophenol
Concen: 6.349 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.124 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Tgt Ion:184 Resp: 131
Ion Ratio Lower Upper
184 100
63 205.0 55.1 82.7#
154 502.3 48.4 72.6#

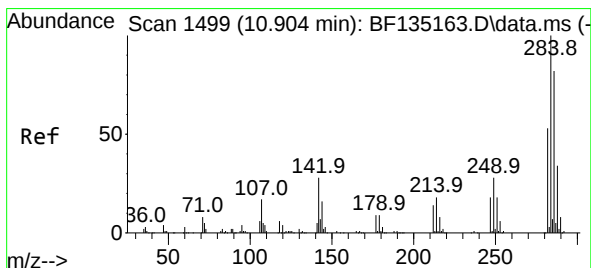
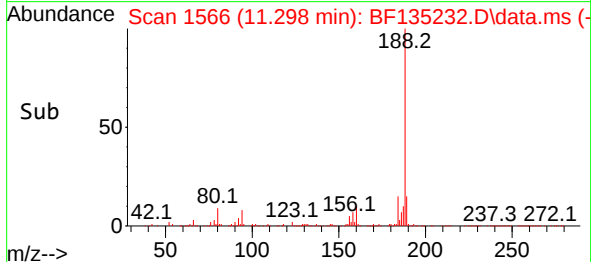
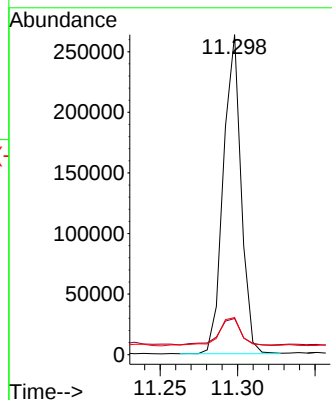
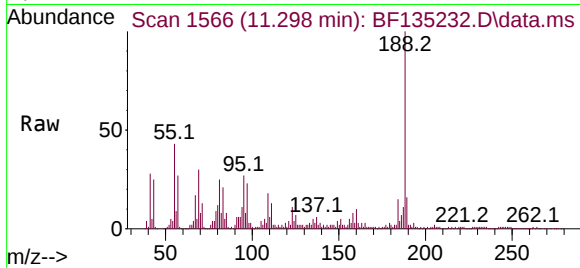




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

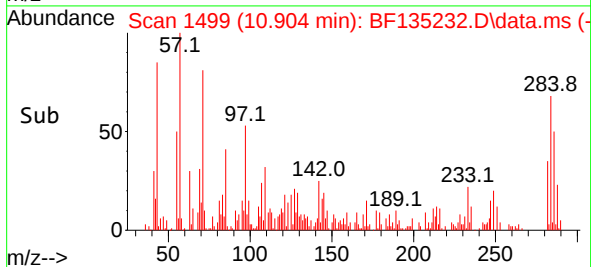
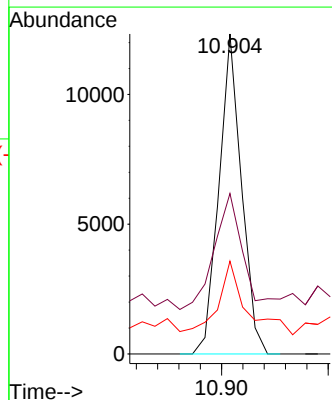
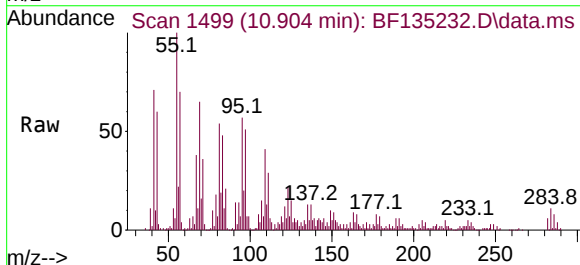
Instrument :
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RT4296

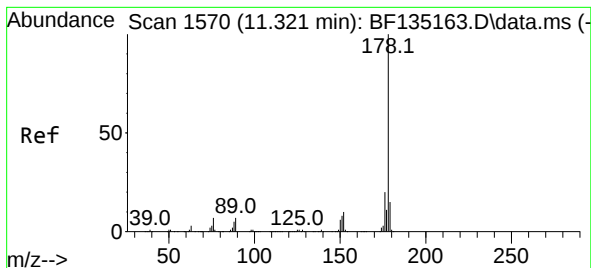
Tgt Ion:188 Resp: 209858
Ion Ratio Lower Upper
188 100
94 11.3 7.0 10.6#
80 11.6 7.5 11.3#



#68
Hexachlorobenzene
Concen: 4.259 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Tgt Ion:284 Resp: 9057
Ion Ratio Lower Upper
284 100
142 50.2 22.2 33.4#
249 29.0 22.5 33.7





#71

Phenanthrene

Concen: 3.610 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

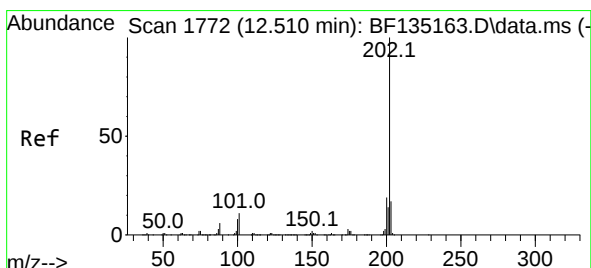
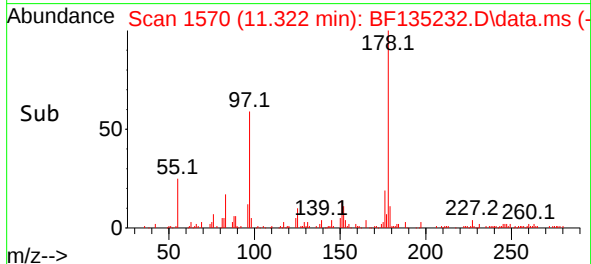
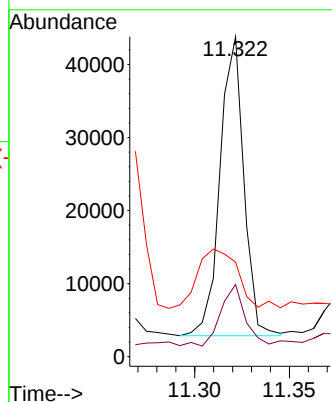
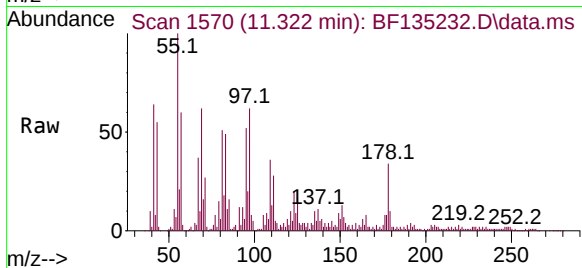
Tgt Ion:178 Resp: 35826

Ion Ratio Lower Upper

178 100

176 22.6 15.6 23.4

179 29.6 12.0 18.0#



#75

Fluoranthene

Concen: 4.955 ng

RT: 12.516 min Scan# 1773

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

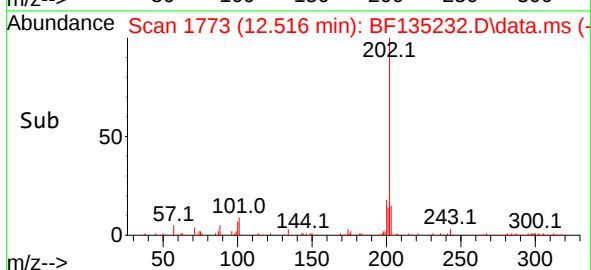
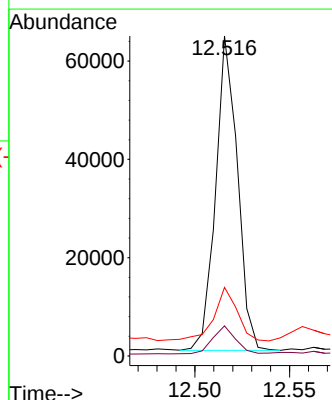
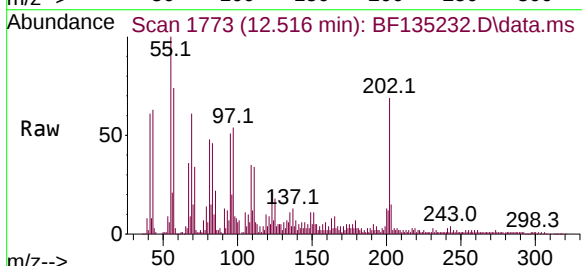
Tgt Ion:202 Resp: 51250

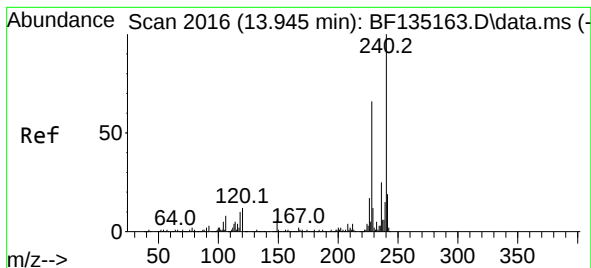
Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.3

203 21.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

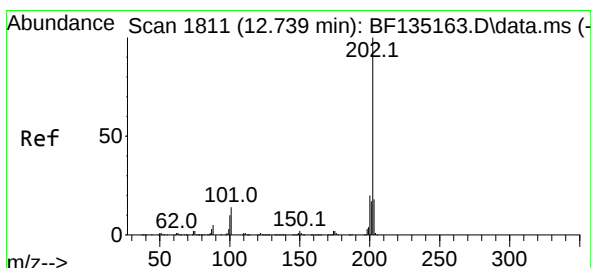
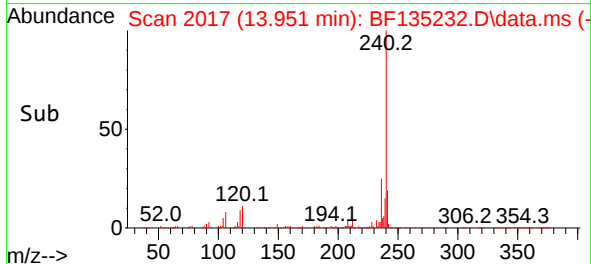
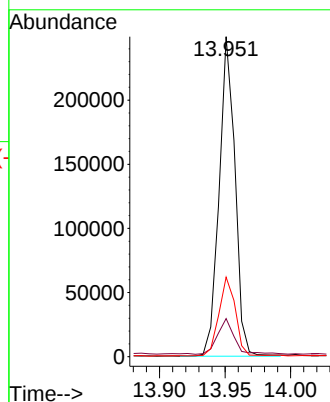
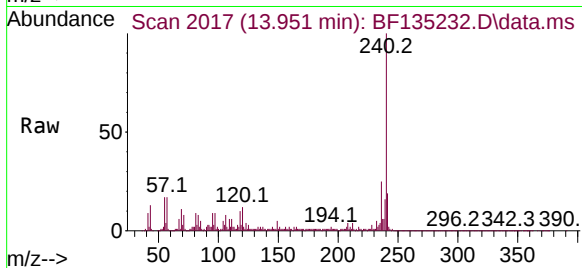
Tgt Ion:240 Resp: 209363

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

236 24.8 19.8 29.8



#78

Pyrene

Concen: 2.353 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

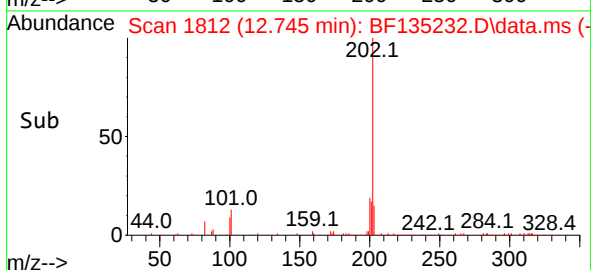
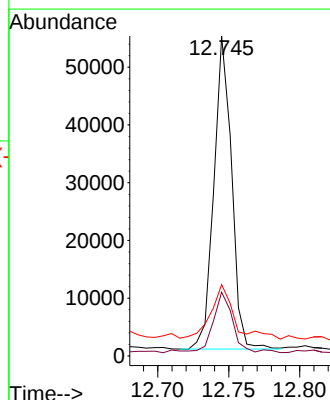
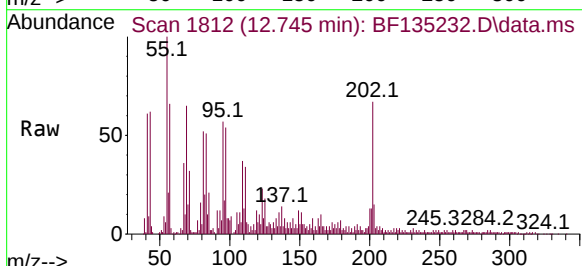
Tgt Ion:202 Resp: 46907

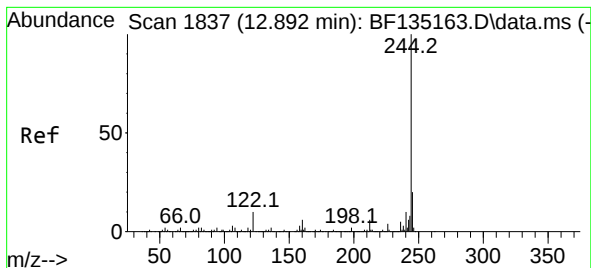
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 22.3 14.2 21.4#





#79

Terphenyl-d14

Concen: 16.575 ng

RT: 12.892 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

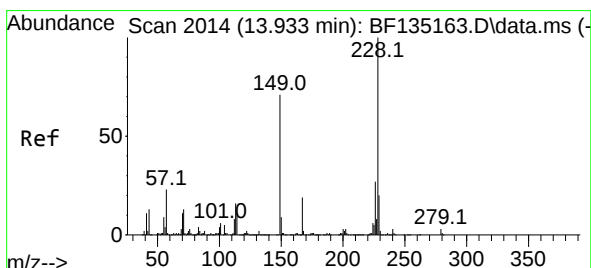
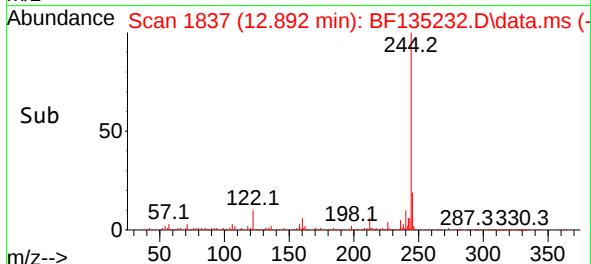
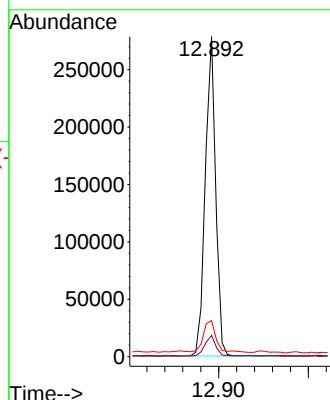
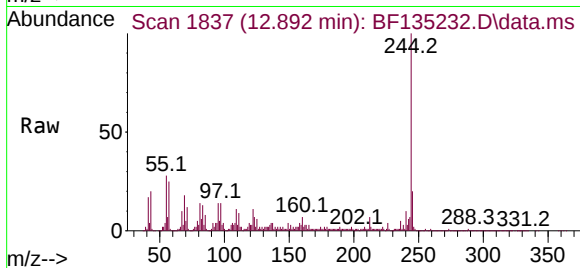
Tgt Ion:244 Resp: 223857

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.3 7.9 11.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.362 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

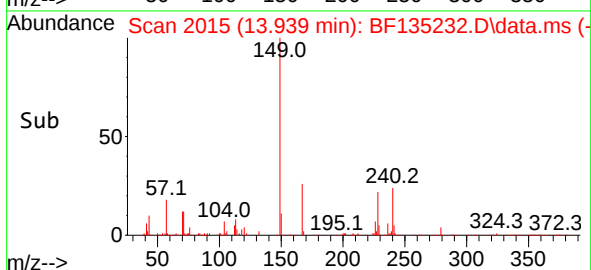
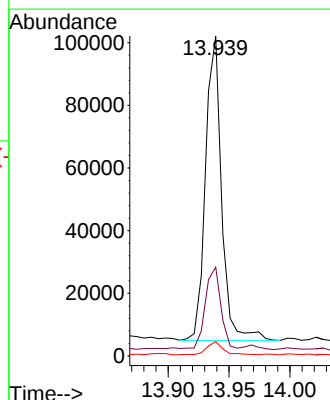
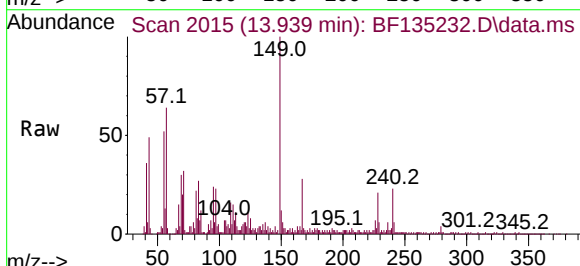
Tgt Ion:149 Resp: 89026

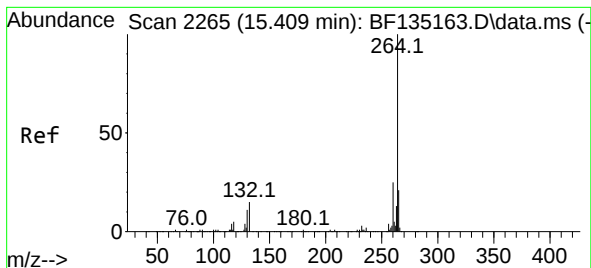
Ion Ratio Lower Upper

149 100

167 27.8 21.9 32.9

279 4.5 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

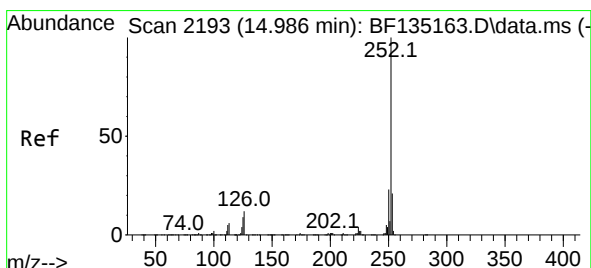
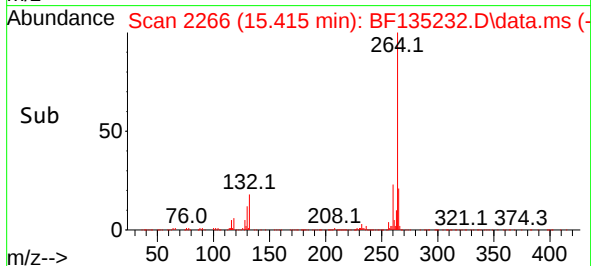
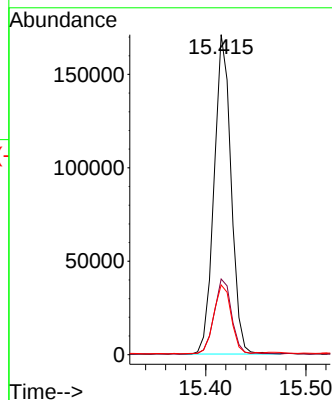
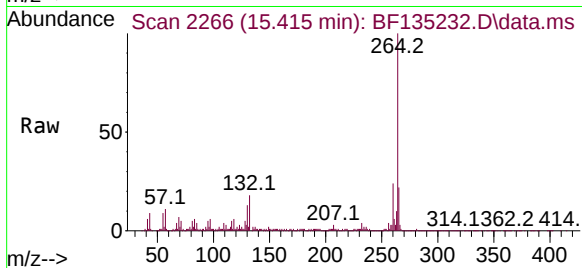
Tgt Ion:264 Resp: 201201

Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 21.8 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.735 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

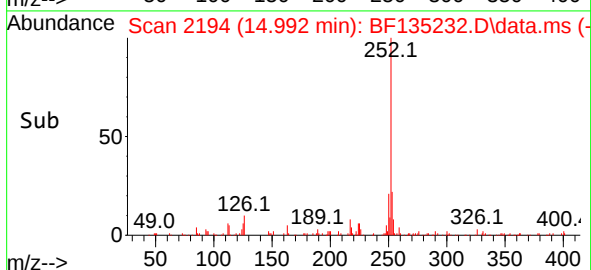
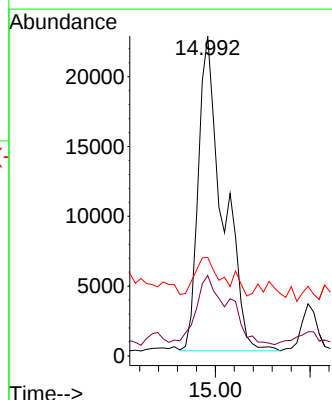
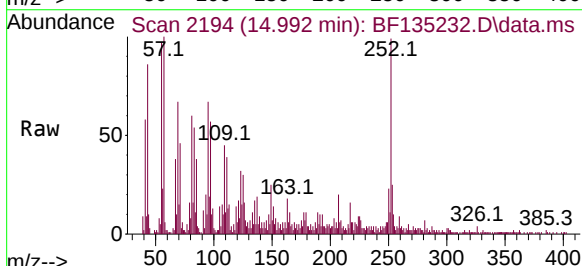
Tgt Ion:252 Resp: 40685

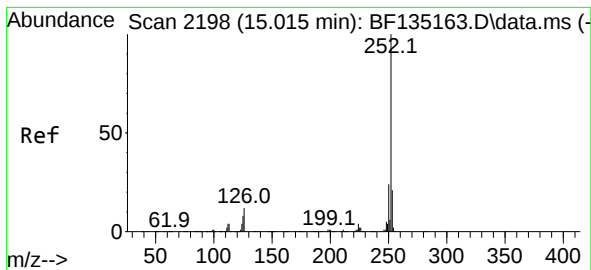
Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

125 30.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.781 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF135232.D

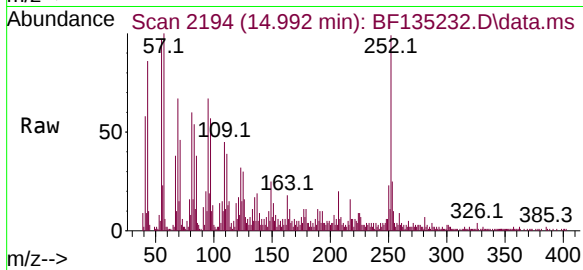
Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296



Tgt Ion:252 Resp: 40685

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 30.8 7.2 10.8#

