

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141354.D
 Acq On : 01 Feb 2025 01:24
 Operator : RC/JU
 Sample : Q1239-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR22266

Quant Time: Feb 01 02:01:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

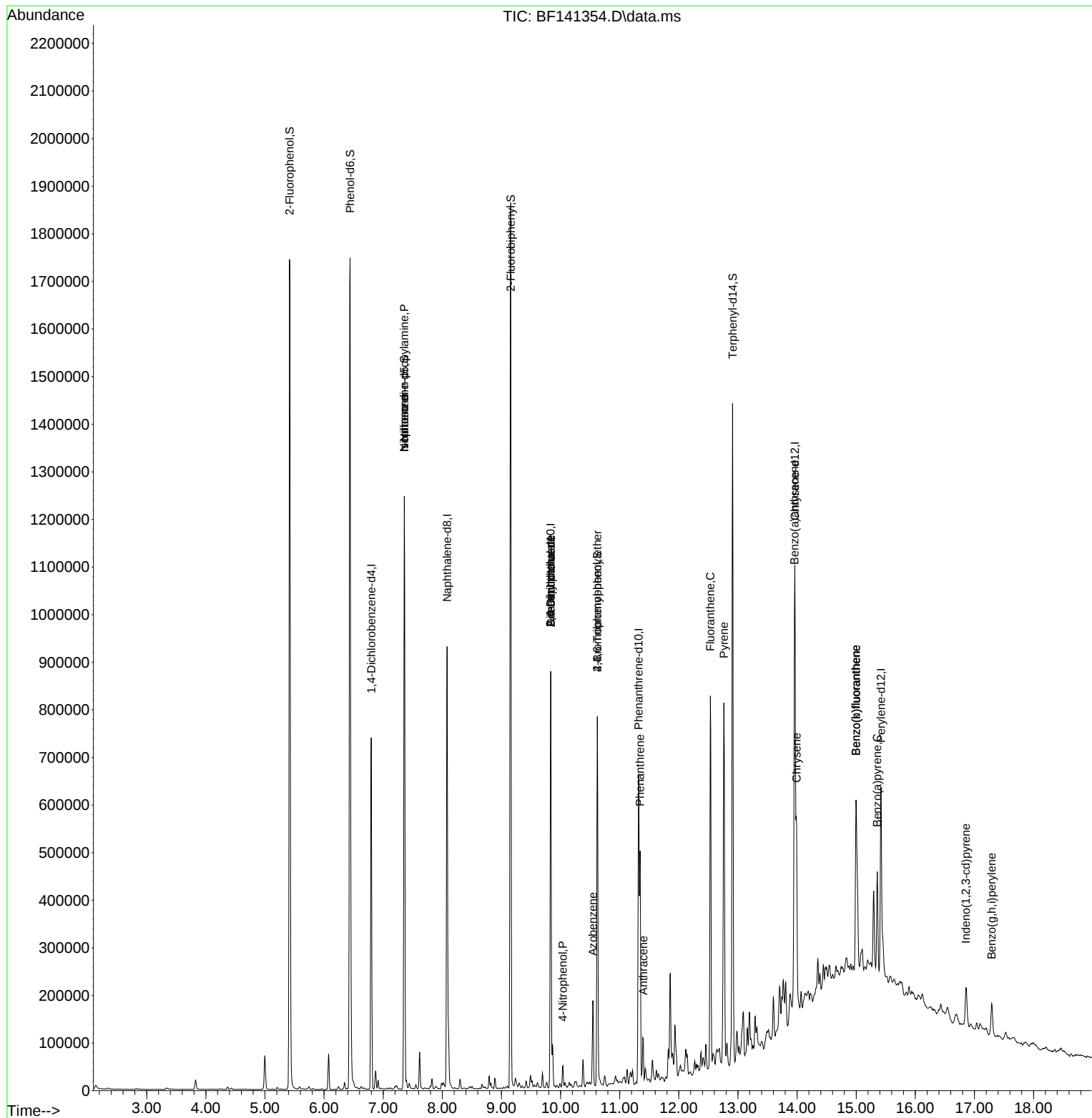
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146483	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	565757	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	245321	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	321877	20.000	ng	0.00
76) Chrysene-d12	13.963	240	302027	20.000	ng	-0.01
86) Perylene-d12	15.421	264	235887	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	683052	71.587	ng	0.00
7) Phenol-d6	6.439	99	866514	71.388	ng	0.00
23) Nitrobenzene-d5	7.357	82	526924	49.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	116749	51.911	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	829951	52.073	ng	0.00
79) Terphenyl-d14	12.910	244	644911	32.930	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	70972	9.840	ng	# 74
25) Isophorone	7.357	82	519852	28.022	ng	# 64
50) Dimethylphthalate	9.833	163	37521	2.265	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	33423	8.688	ng	# 23
56) 4-Nitrophenol	10.039	139	7860	2.850	ng	# 10
57) 2,4-Dinitrotoluene	9.833	165	33423	6.710	ng	# 23
63) Azobenzene	10.545	77	42363	2.634	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	8080	2.242	ng	# 1
71) Phenanthrene	11.345	178	253150	14.631	ng	98
72) Anthracene	11.398	178	54193	3.197	ng	98
75) Fluoranthene	12.533	202	442307	25.890	ng	99
78) Pyrene	12.763	202	426007	14.694	ng	98
81) Benzo(a)anthracene	13.957	228	254689	12.220	ng	96
83) Chrysene	13.992	228	199629	10.451	ng	98
87) Indeno(1,2,3-cd)pyrene	16.856	276	62764	4.122	ng	95
88) Benzo(b)fluoranthene	14.998	252	302812	20.408	ng	# 97
89) Benzo(k)fluoranthene	14.998	252	302812	23.037	ng	# 97
90) Benzo(a)pyrene	15.357	252	128967	10.285	ng	95
92) Benzo(g,h,i)perylene	17.292	276	59614	4.681	ng	98

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

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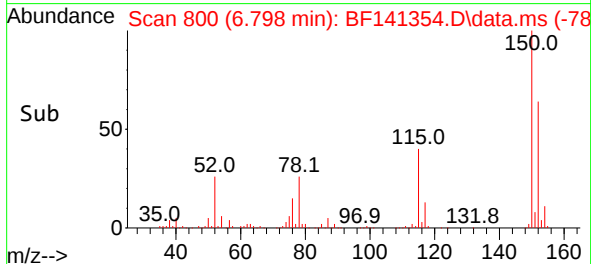
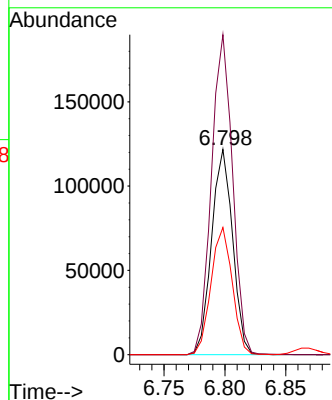
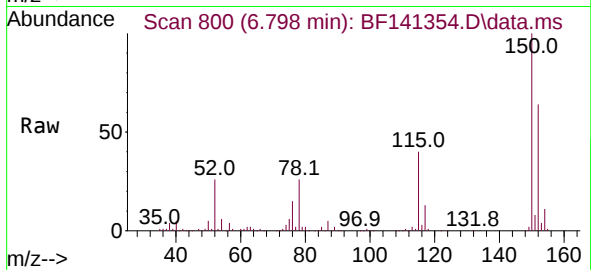




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

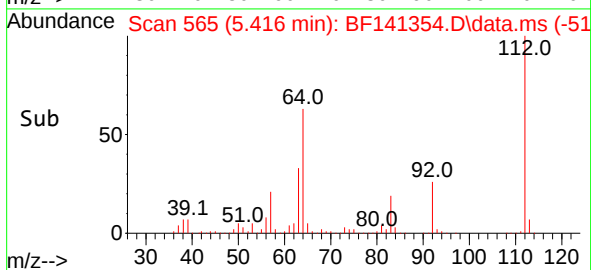
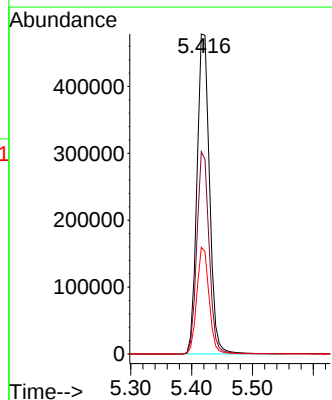
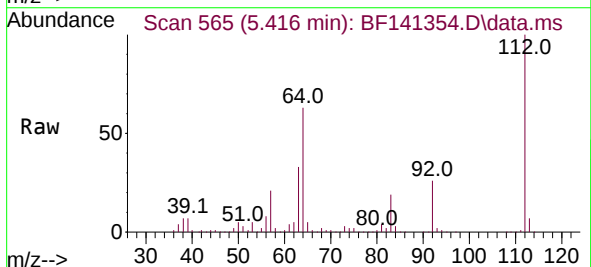
Instrument :
BNA_F
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RBR22266

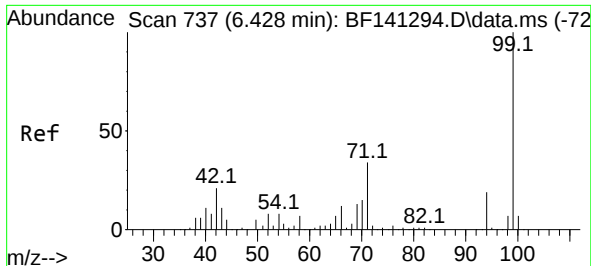
Tgt Ion:152 Resp: 146483
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 62.0 49.7 74.5



#5
2-Fluorophenol
Concen: 71.587 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion:112 Resp: 683052
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 33.4 26.1 39.1

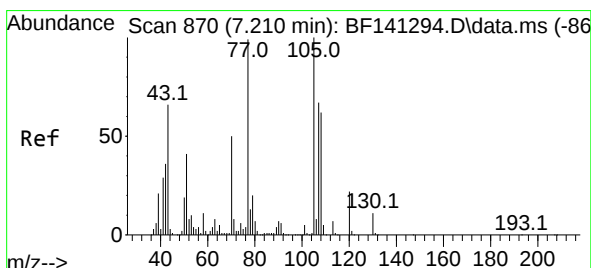
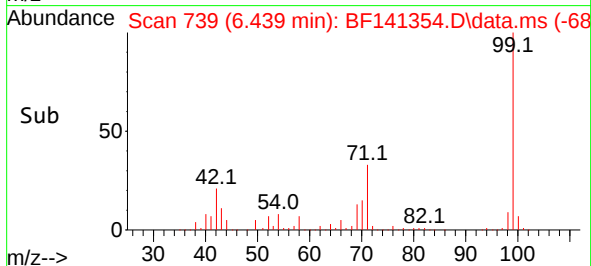
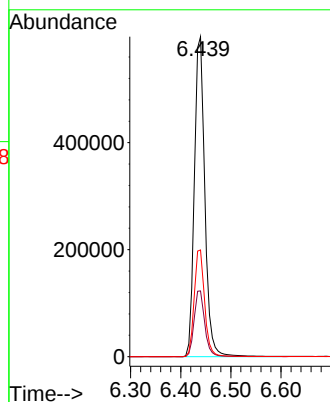
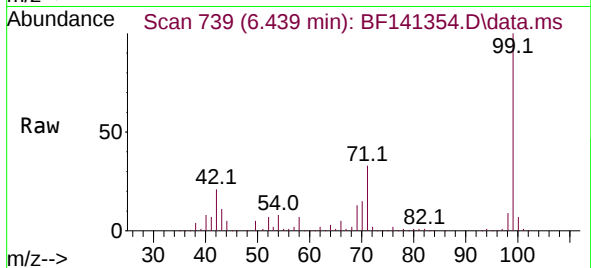




#7
Phenol-d6
Concen: 71.388 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

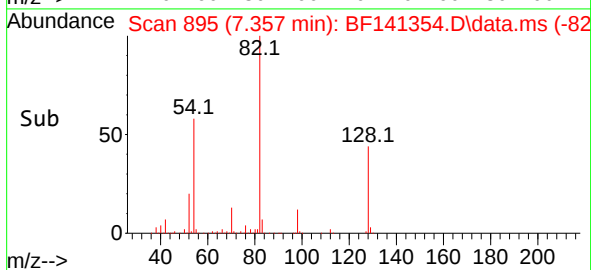
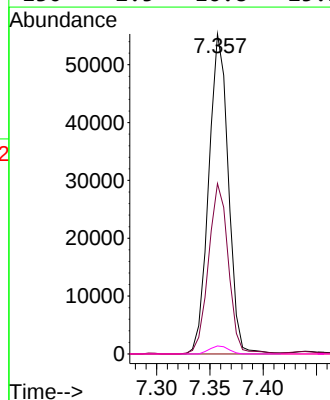
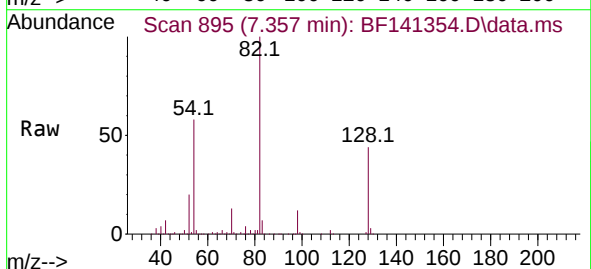
Instrument :
BNA_F
ClientSampleId :
RBR22266

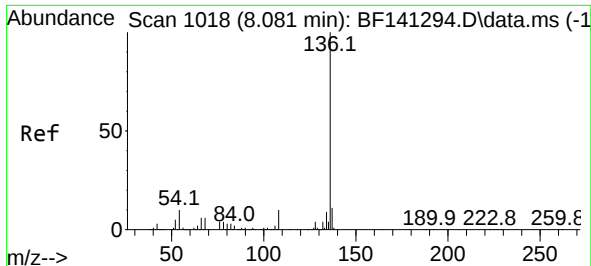
Tgt Ion: 99 Resp: 866514
Ion Ratio Lower Upper
99 100
42 20.6 17.1 25.7
71 33.4 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.840 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion: 70 Resp: 70972
Ion Ratio Lower Upper
70 100
42 53.3 56.8 85.2#
101 0.0 7.7 11.5#
130 2.5 16.8 25.2#



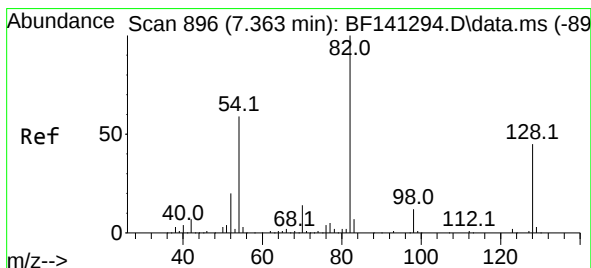
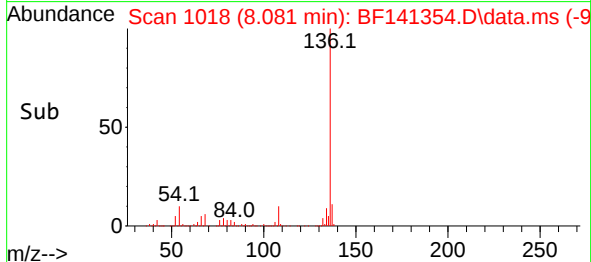
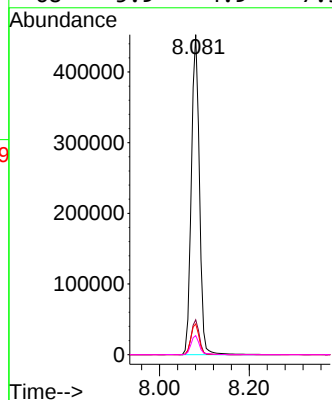
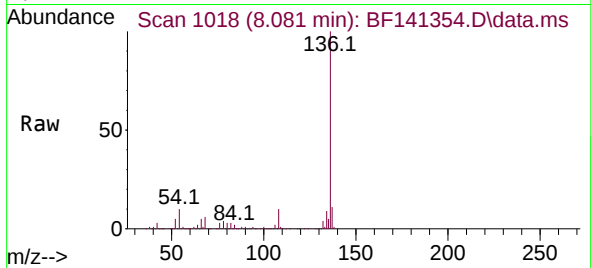


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Instrument :
BNA_F
ClientSampleId :
RBR22266

Tgt Ion:136 Resp: 565757

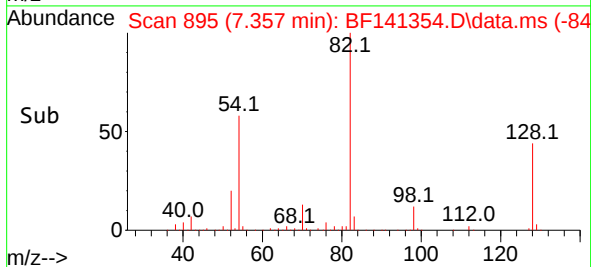
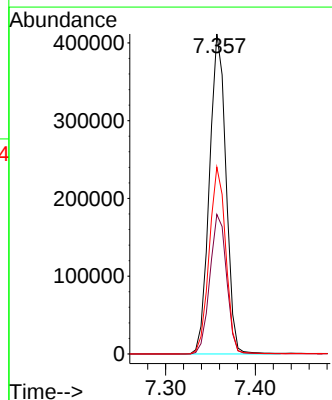
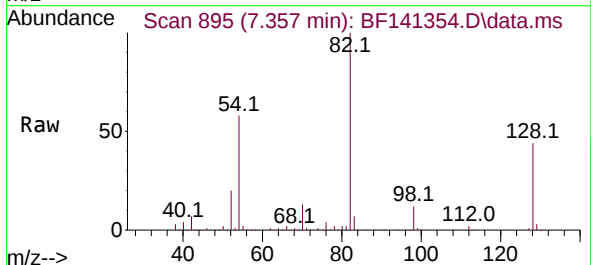
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.6	7.8	11.8
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 49.098 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion: 82 Resp: 526924

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.4	47.1	70.7

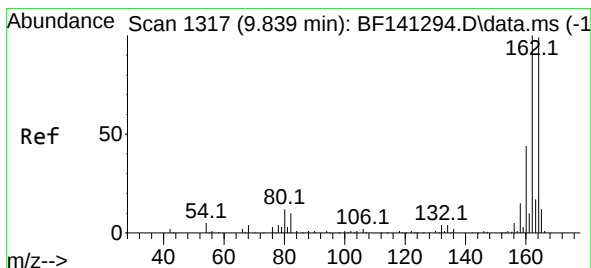
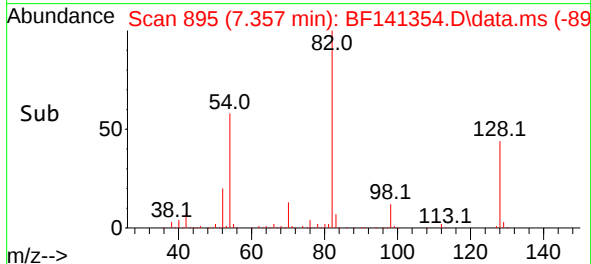
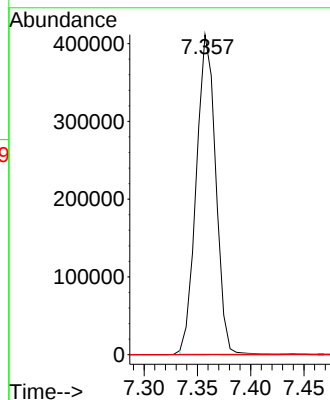
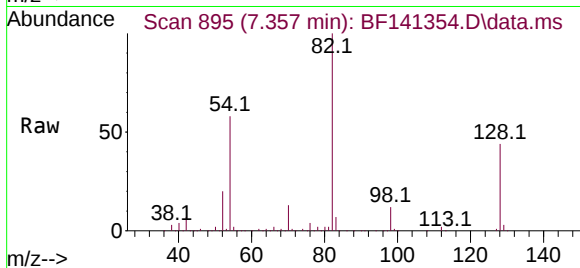




#25
Isophorone
Concen: 28.022 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

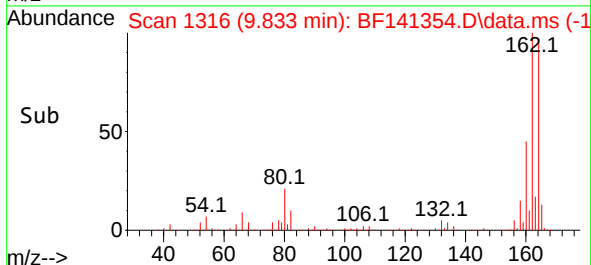
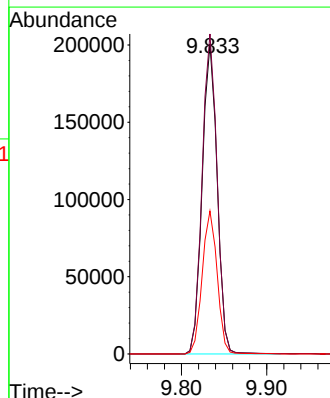
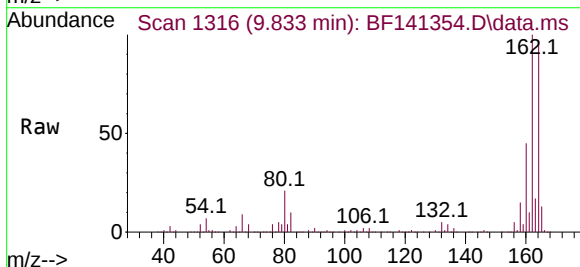
Instrument :
BNA_F
ClientSampleId :
RBR22266

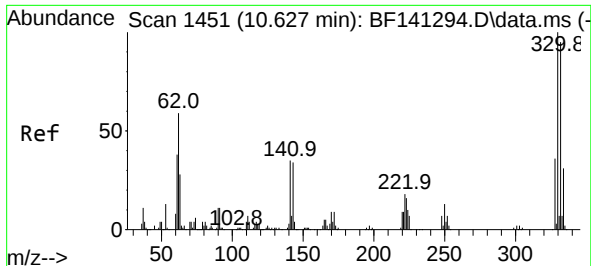
Tgt Ion: 82 Resp: 519852
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion: 164 Resp: 245321
Ion Ratio Lower Upper
164 100
162 103.2 80.6 121.0
160 46.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 51.911 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

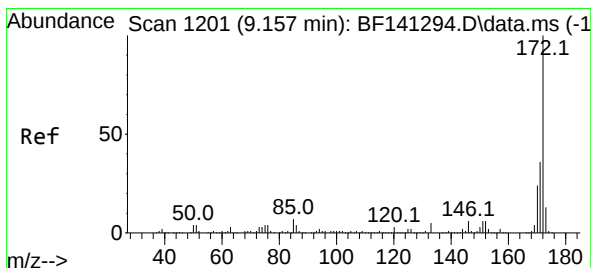
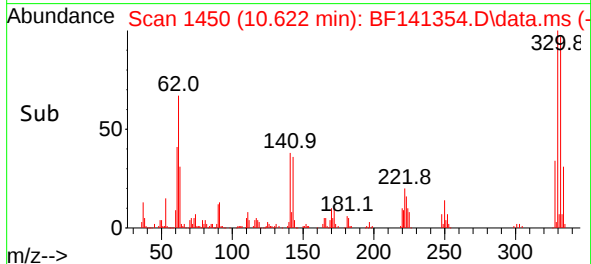
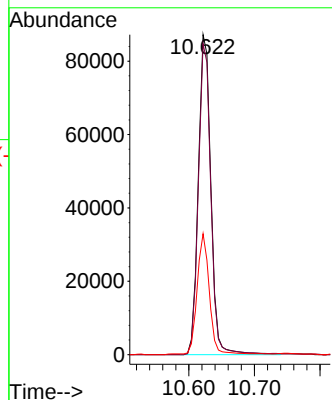
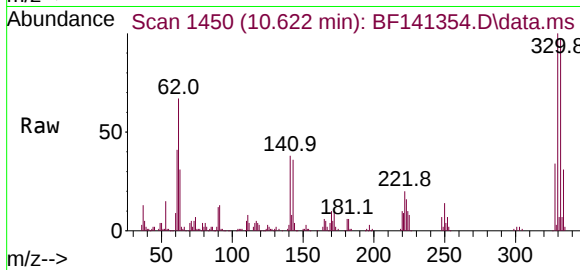
Tgt Ion:330 Resp: 116749

Ion Ratio Lower Upper

330 100

332 95.9 76.1 114.1

141 37.4 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 52.073 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

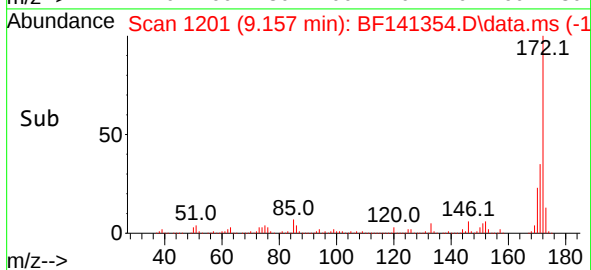
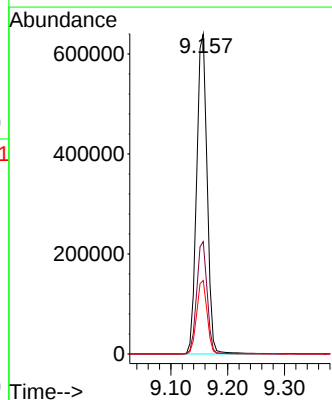
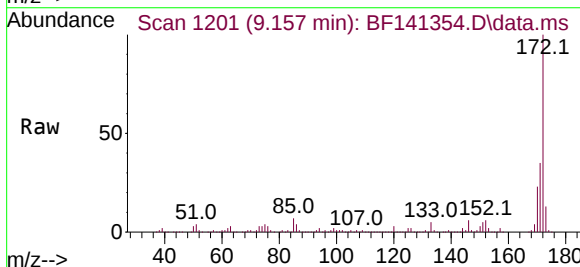
Tgt Ion:172 Resp: 829951

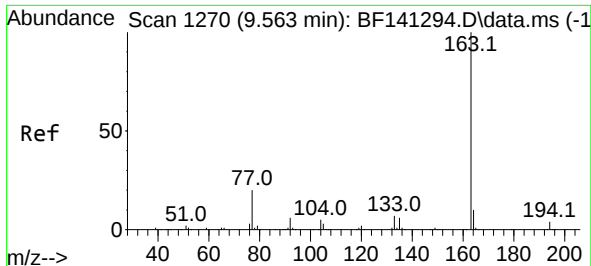
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.0 19.0 28.6

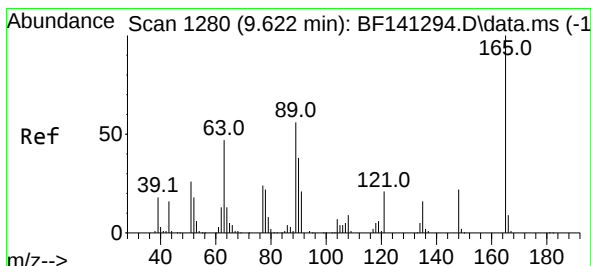
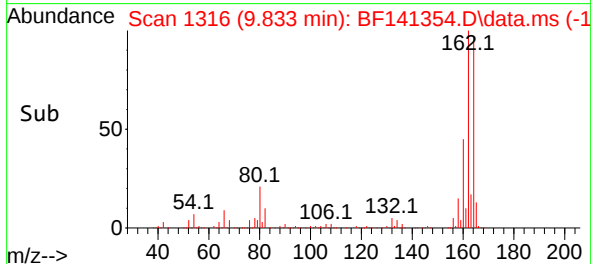
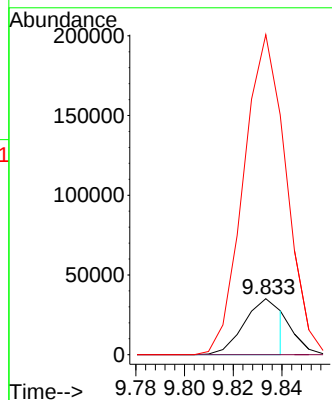
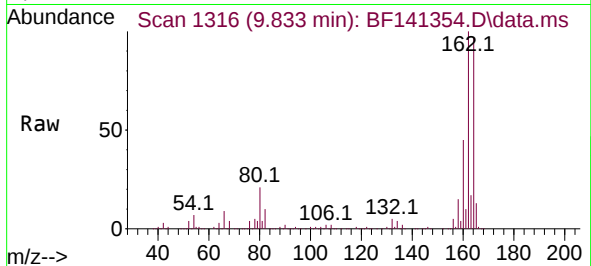




#50
Dimethylphthalate
Concen: 2.265 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

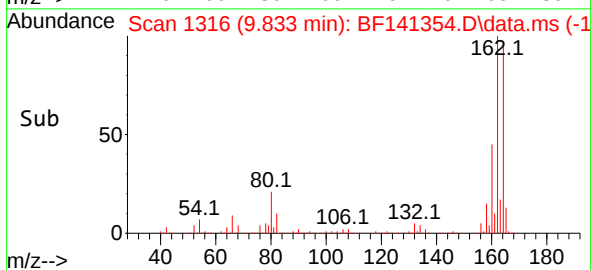
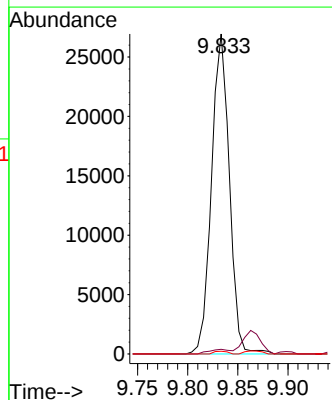
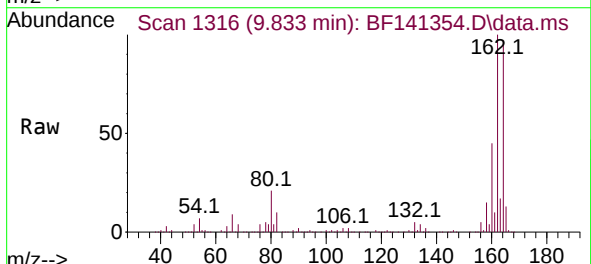
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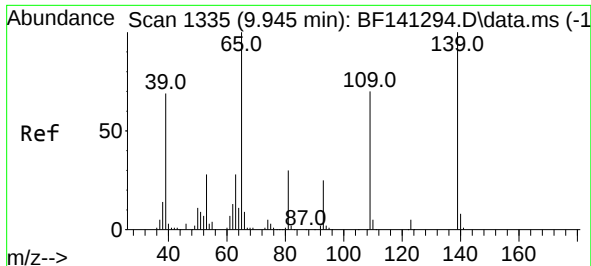
Tgt Ion:163 Resp: 37521
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 570.8 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.688 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion:165 Resp: 33423
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 0.8 44.9 67.3#

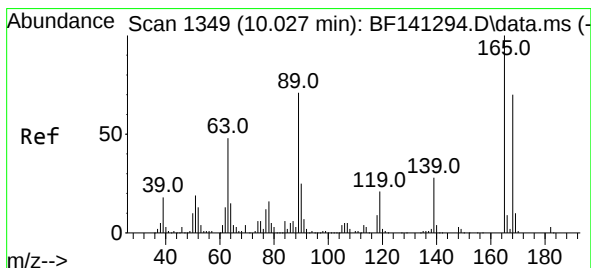
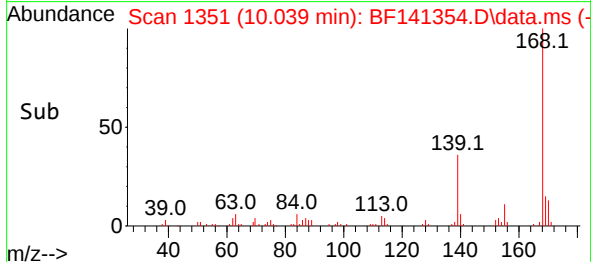
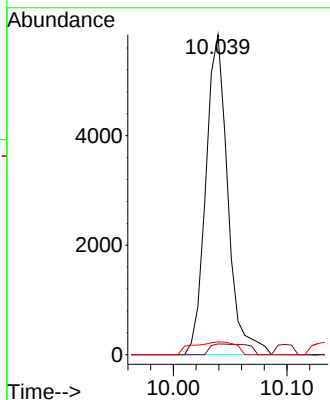
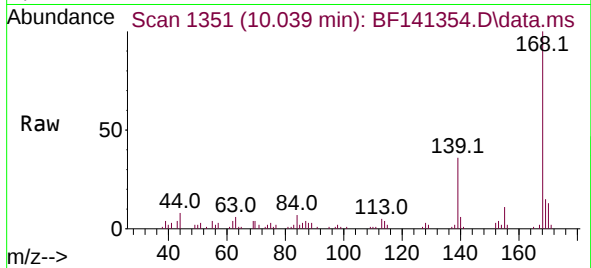




#56
4-Nitrophenol
Concen: 2.850 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

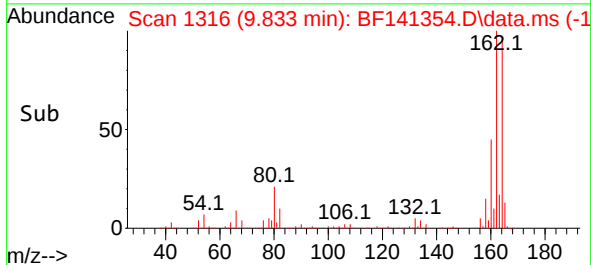
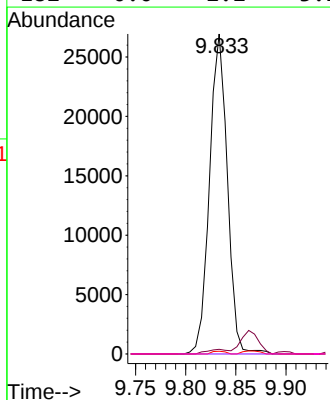
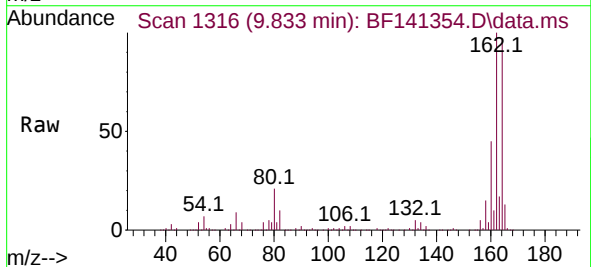
Instrument :
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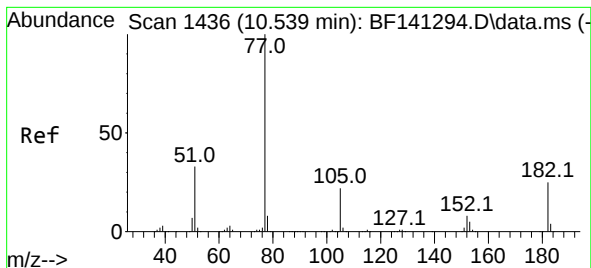
Tgt Ion:139 Resp: 7860
Ion Ratio Lower Upper
139 100
109 3.3 50.2 90.2#
65 4.0 80.6 120.6#



#57
2,4-Dinitrotoluene
Concen: 6.710 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion:165 Resp: 33423
Ion Ratio Lower Upper
165 100
63 1.4 39.2 58.8#
89 0.8 56.9 85.3#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.634 ng

RT: 10.545 min Scan# 1436

Delta R.T. -0.000 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

Tgt Ion: 77 Resp: 42363

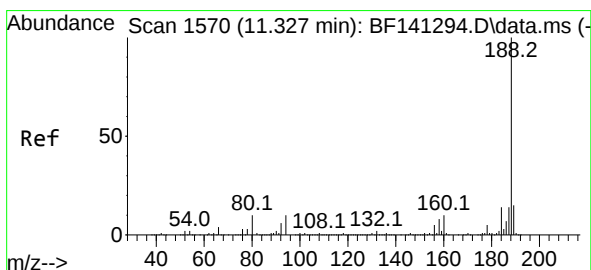
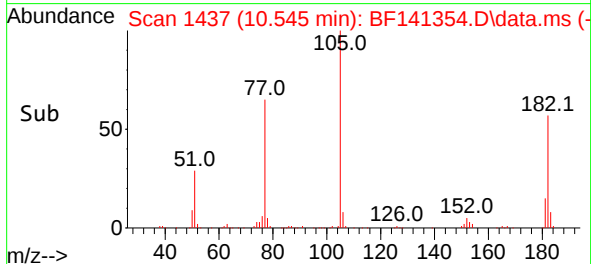
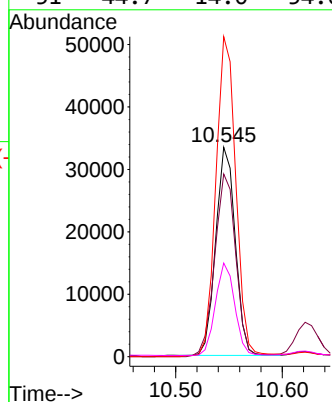
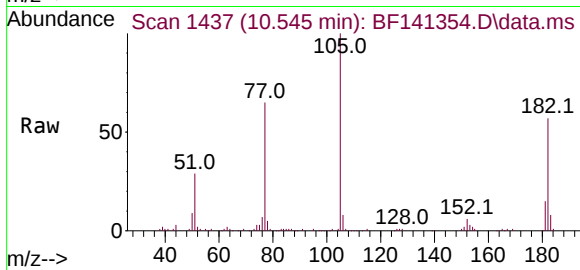
Ion Ratio Lower Upper

77 100

182 87.2 5.1 45.1#

105 152.8 1.8 41.8#

51 44.7 14.0 54.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

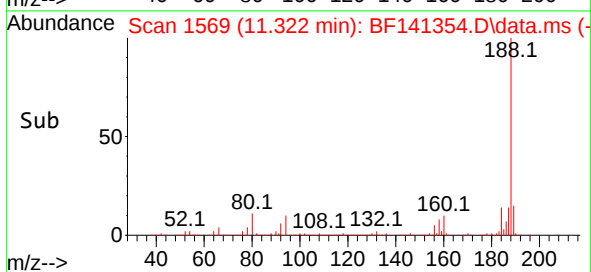
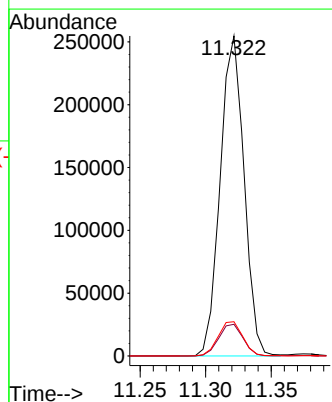
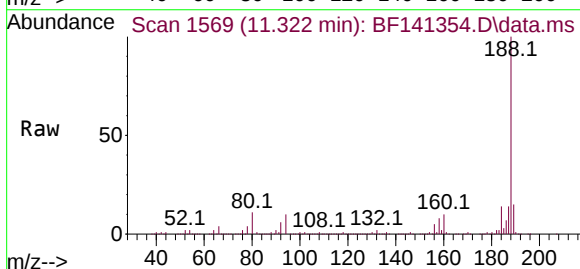
Tgt Ion: 188 Resp: 321877

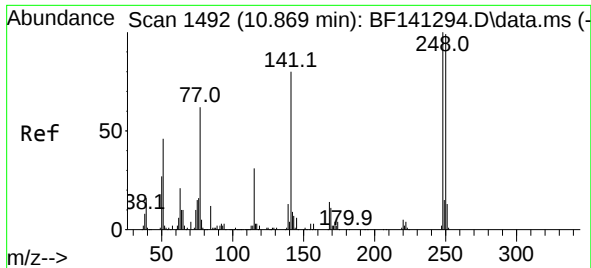
Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

80 10.7 8.2 12.4

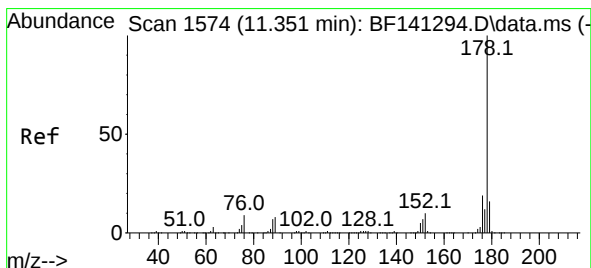
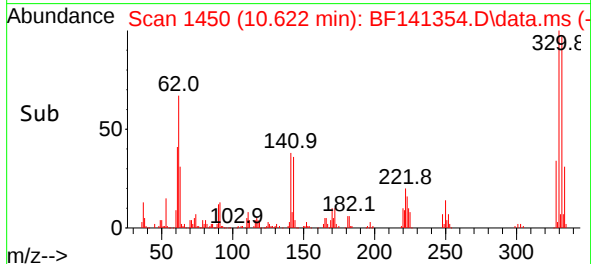
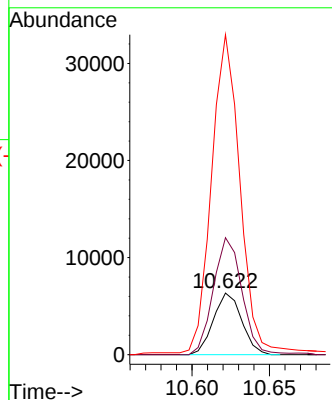
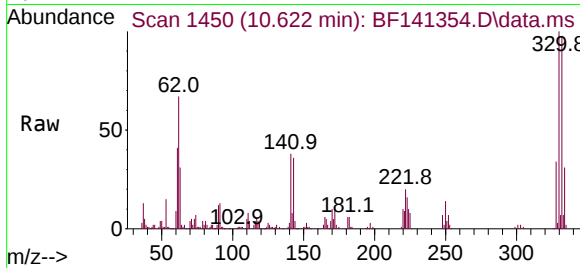




#67
4-Bromophenyl-phenylether
Concen: 2.242 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

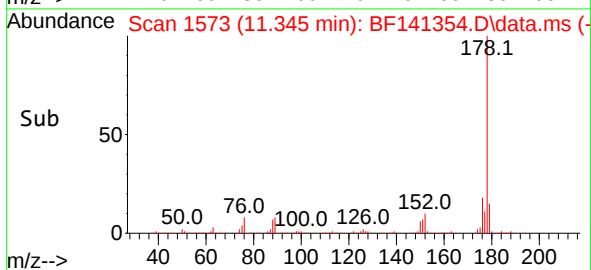
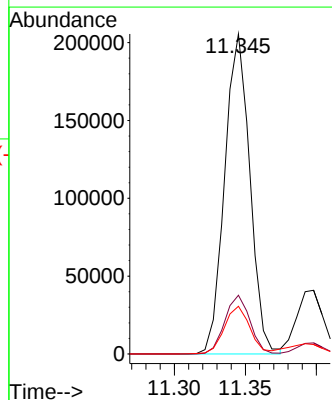
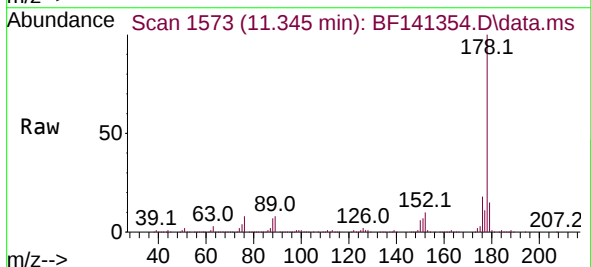
Instrument :
BNA_F
ClientSampleId :
RBR22266

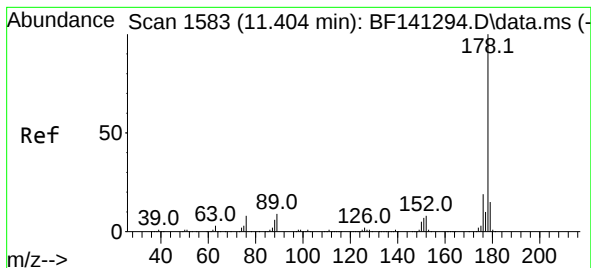
Tgt Ion:248 Resp: 8080
Ion Ratio Lower Upper
248 100
250 189.6 79.0 118.4#
141 518.7 63.7 95.5#



#71
Phenanthrene
Concen: 14.631 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion:178 Resp: 253150
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 14.9 12.5 18.7





#72

Anthracene

Concen: 3.197 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

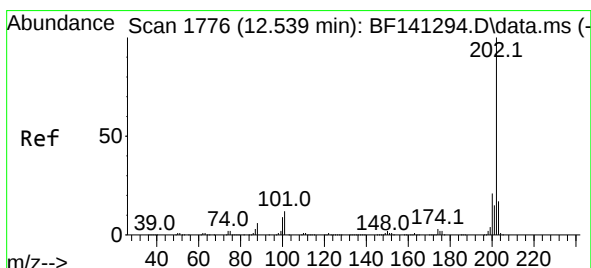
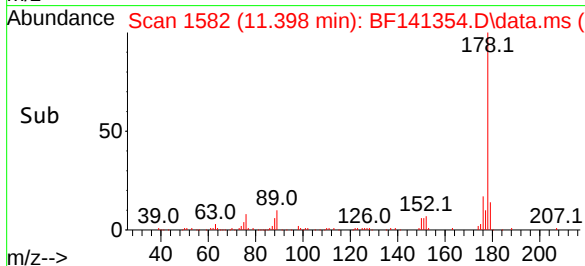
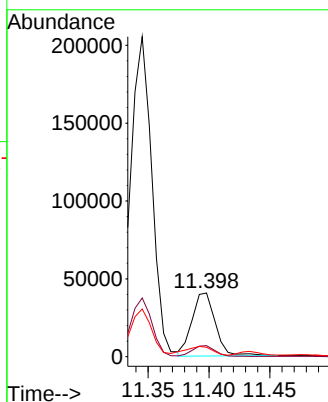
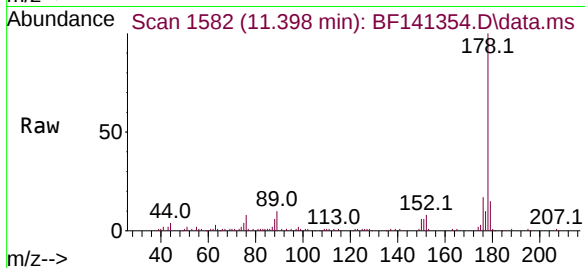
Tgt Ion:178 Resp: 54193

Ion Ratio Lower Upper

178 100

176 17.3 15.0 22.6

179 14.9 12.3 18.5



#75

Fluoranthene

Concen: 25.890 ng

RT: 12.533 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

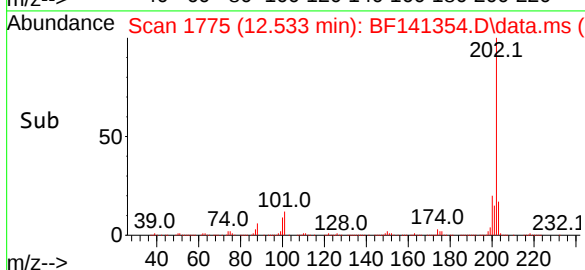
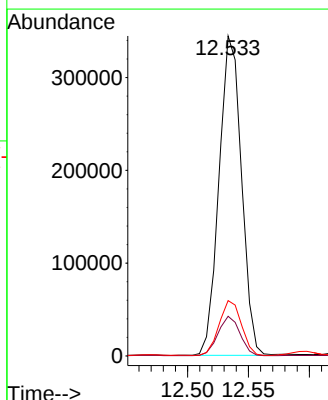
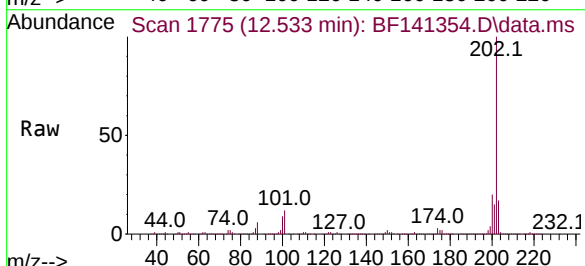
Tgt Ion:202 Resp: 442307

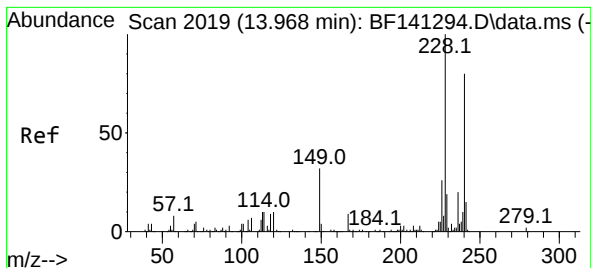
Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.7

203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

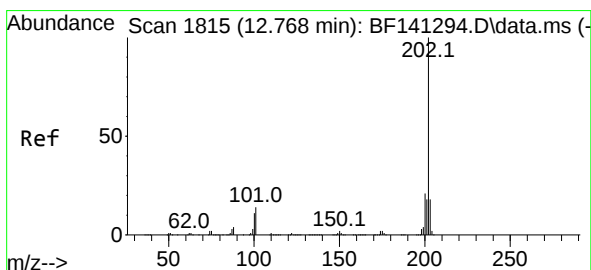
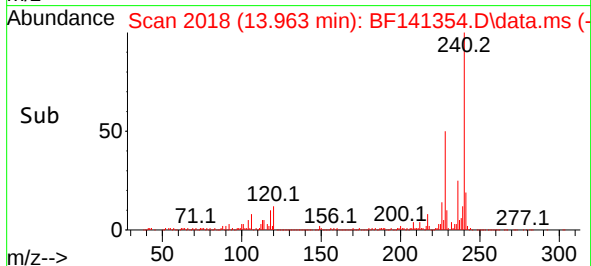
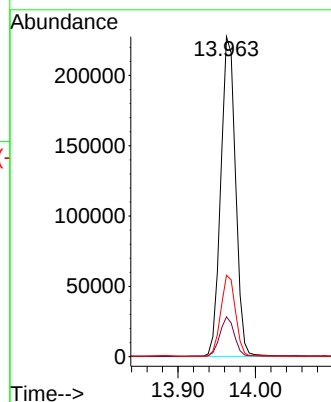
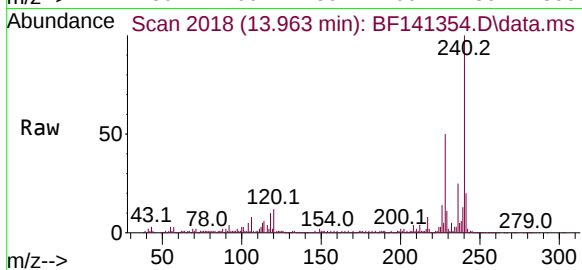
Tgt Ion:240 Resp: 302027

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

236 25.4 19.7 29.5



#78

Pyrene

Concen: 14.694 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

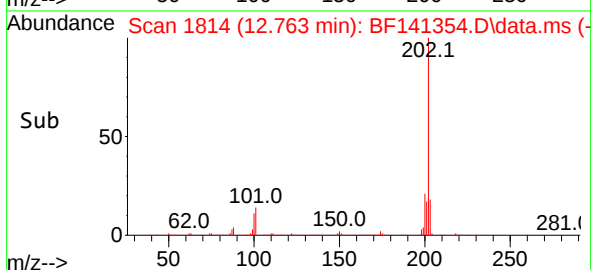
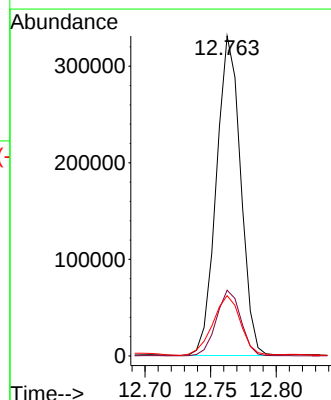
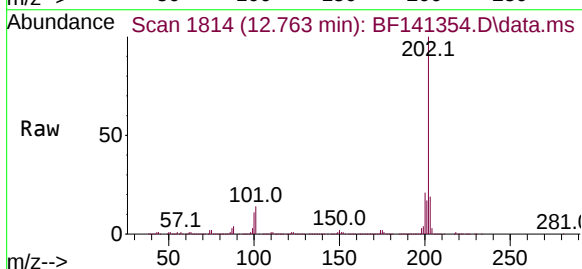
Tgt Ion:202 Resp: 426007

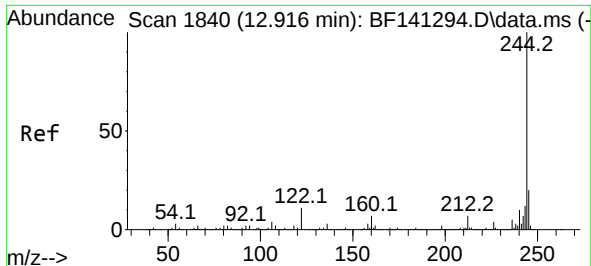
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

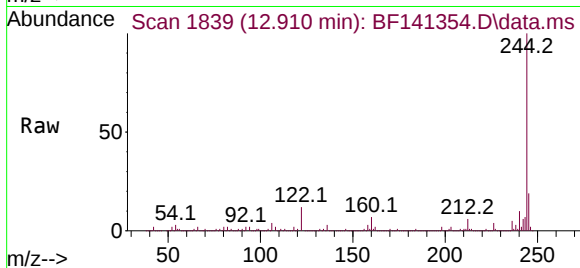
203 18.8 14.3 21.5



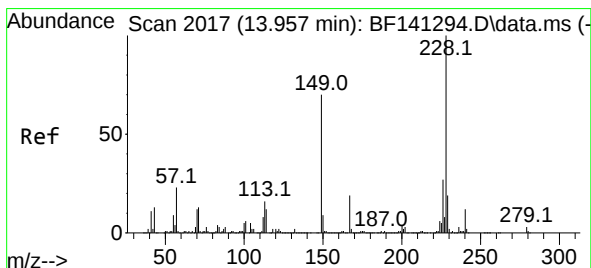
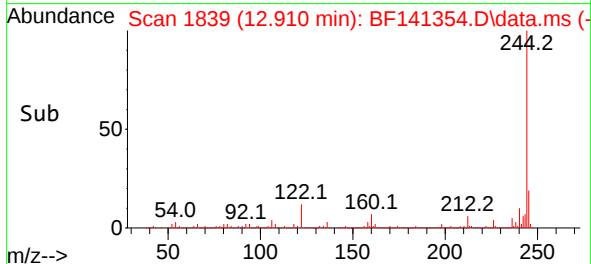
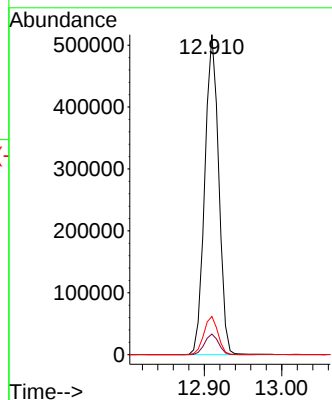


#79
 Terphenyl-d14
 Concen: 32.930 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141354.D
 Acq: 01 Feb 2025 01:24

Instrument :
 BNA_F
 ClientSampleId :
 RBR22266

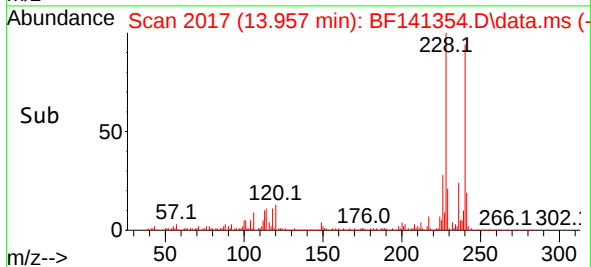
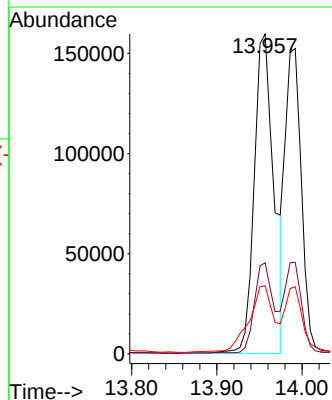
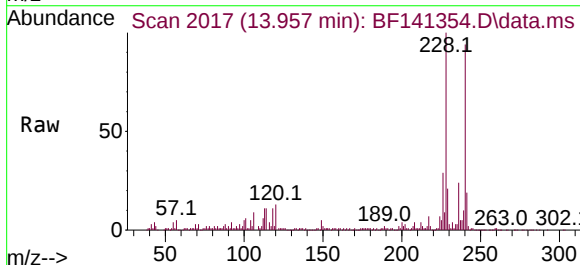


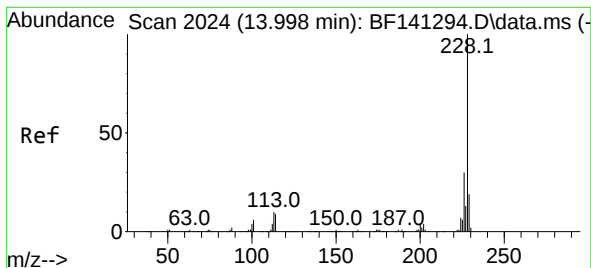
Tgt Ion:244 Resp: 644911
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 12.220 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF141354.D
 Acq: 01 Feb 2025 01:24

Tgt Ion:228 Resp: 254689
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.2
 229 21.3 15.5 23.3





#83

Chrysene

Concen: 10.451 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

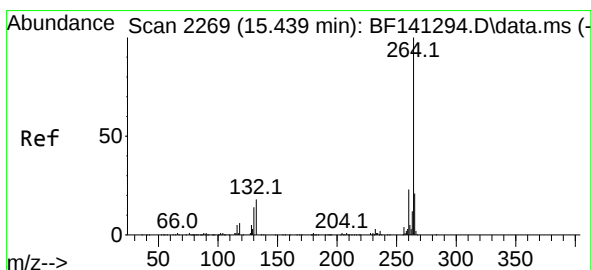
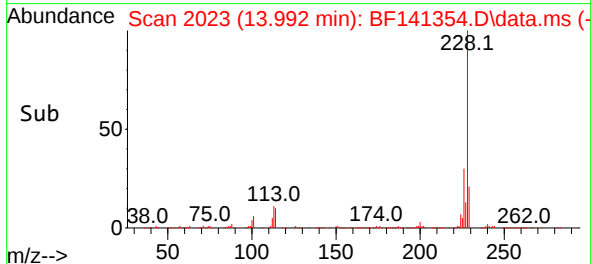
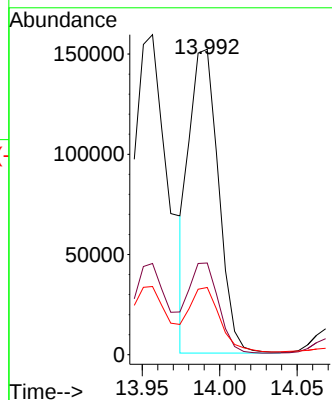
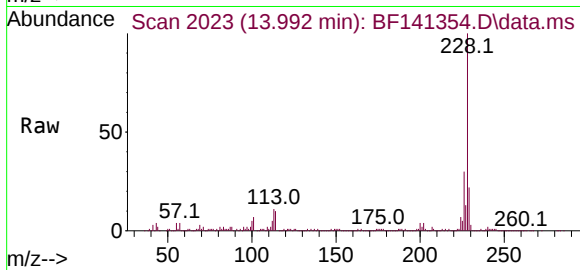
Tgt Ion:228 Resp: 199629

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 22.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

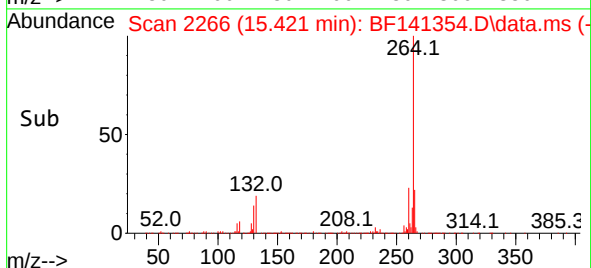
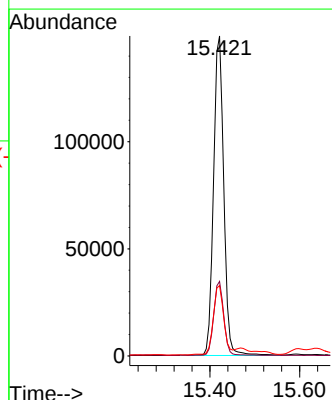
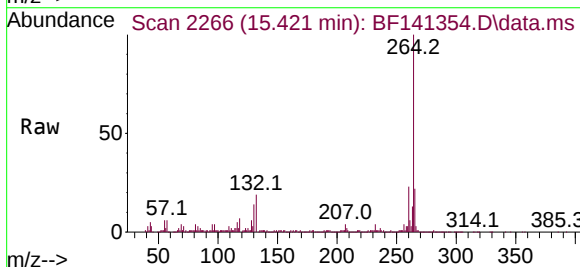
Tgt Ion:264 Resp: 235887

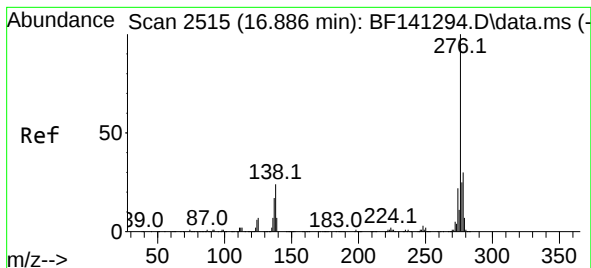
Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.122 ng

RT: 16.856 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

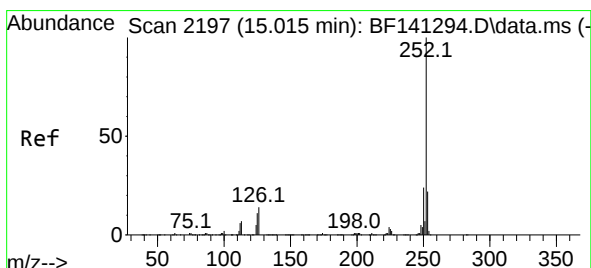
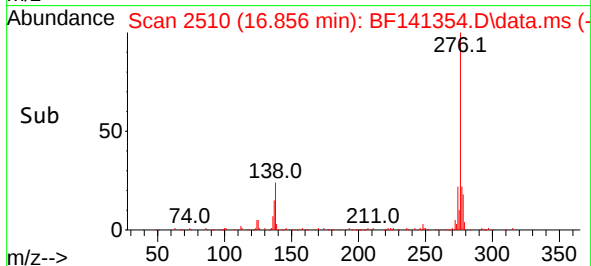
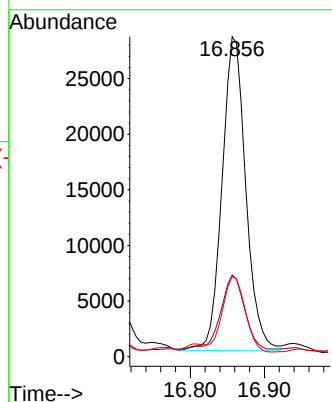
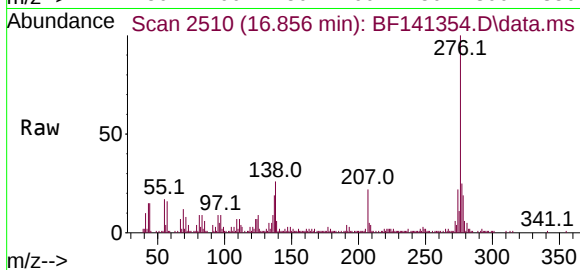
Tgt Ion:276 Resp: 62764

Ion Ratio Lower Upper

276 100

138 24.0 21.7 32.5

277 23.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 20.408 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

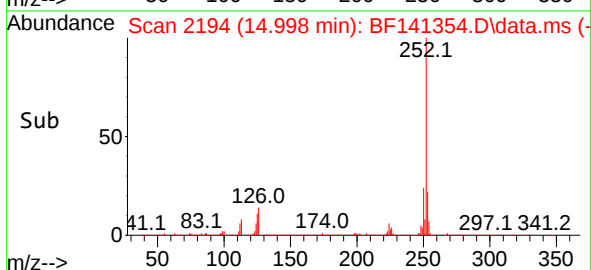
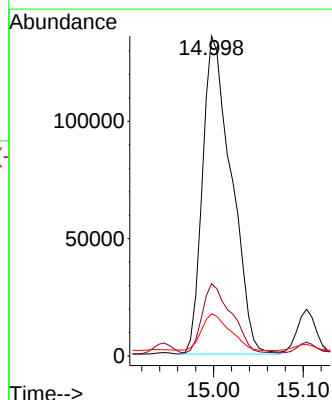
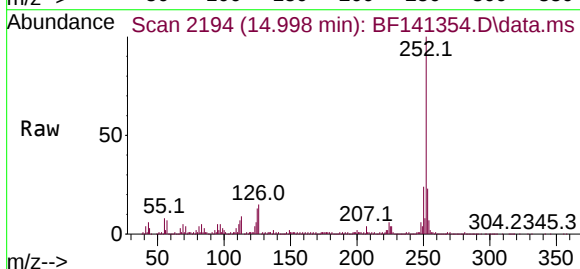
Tgt Ion:252 Resp: 302812

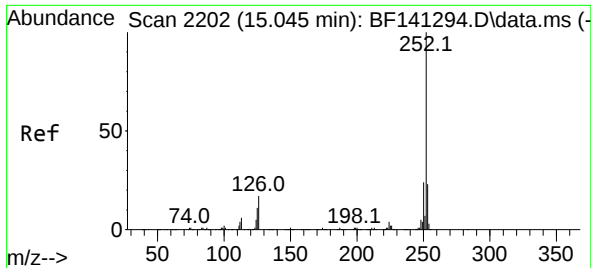
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 13.2 8.6 12.8#

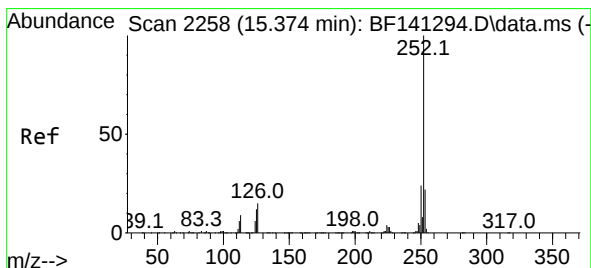
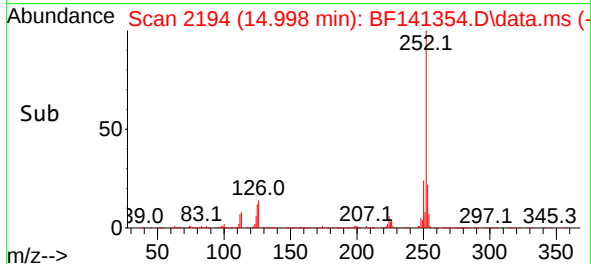
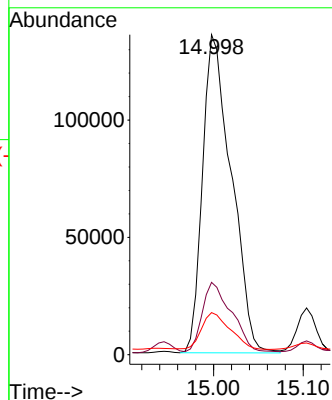
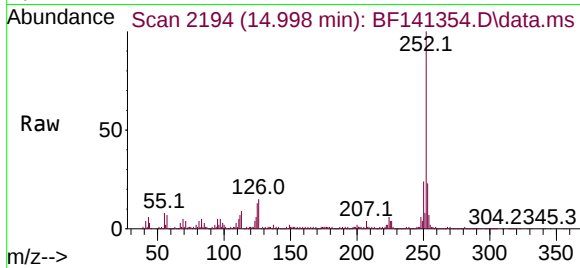




#89
Benzo(k)fluoranthene
Concen: 23.037 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.053 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

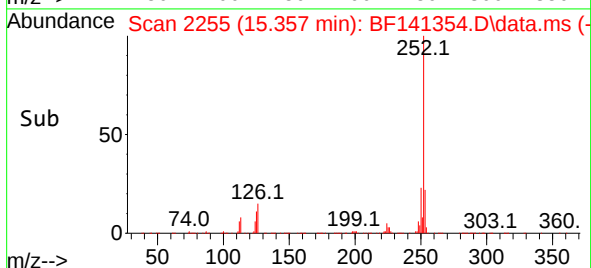
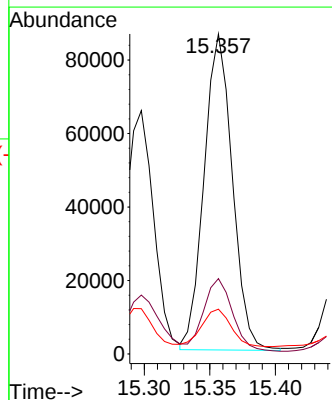
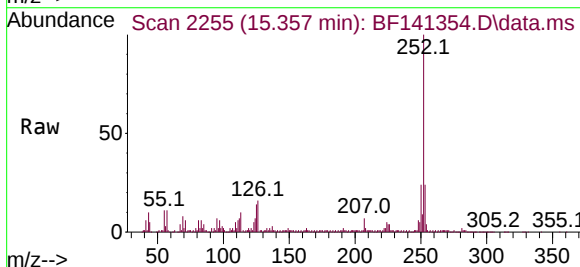
Instrument :
BNA_F
ClientSampleId :
RBR22266

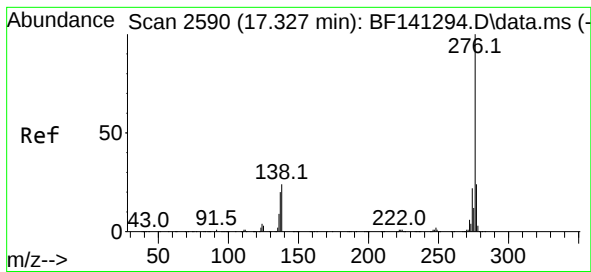
Tgt Ion:252 Resp: 302812
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 13.2 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 10.285 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion:252 Resp: 128967
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 14.0 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 4.681 ng

RT: 17.292 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF141354.D

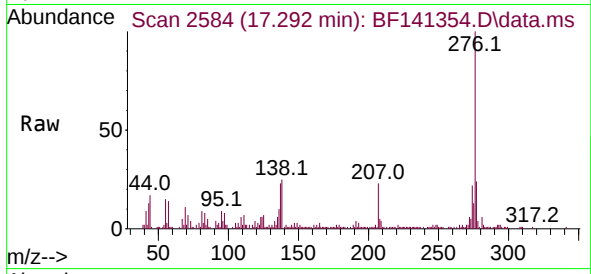
Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266



Tgt Ion:276 Resp: 59614

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 25.0 19.0 28.4

