

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
 Data File : BF141053.D
 Acq On : 31 Dec 2024 12:42
 Operator : RC/JU
 Sample : P5398-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 341-349

Quant Time: Dec 31 13:02:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

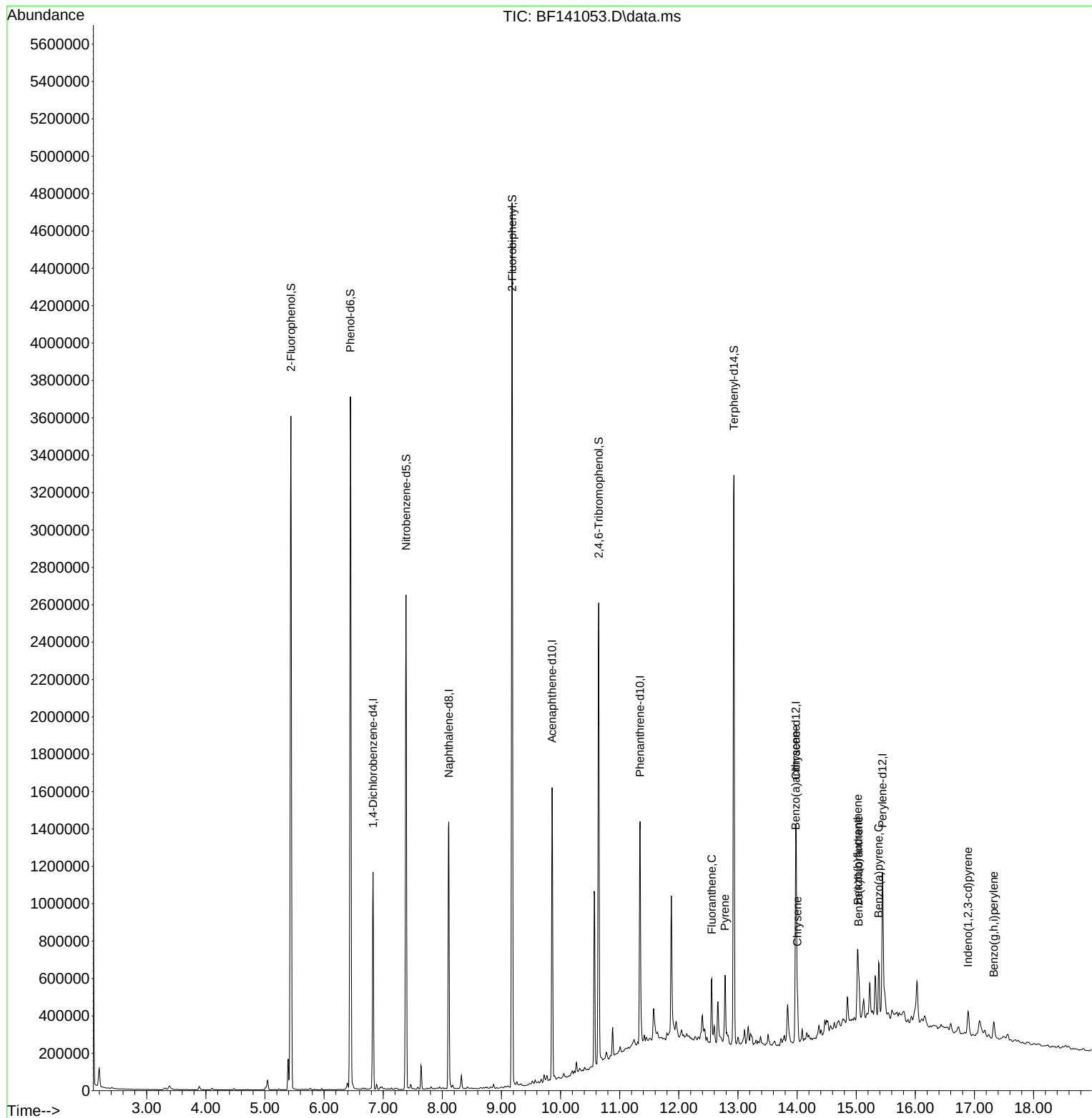
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	234973	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	909719	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	452308	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	616256	20.000	ng	0.00
76) Chrysene-d12	13.980	240	475816	20.000	ng	0.00
86) Perylene-d12	15.445	264	455094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1512038	96.999	ng	0.00
7) Phenol-d6	6.445	99	1850361	92.145	ng	0.00
23) Nitrobenzene-d5	7.387	82	1161744	81.702	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	444441	101.122	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2023375	71.273	ng	0.00
79) Terphenyl-d14	12.933	244	1523154	53.171	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.557	202	195601	5.560	ng	97
78) Pyrene	12.780	202	205929	4.949	ng	98
81) Benzo(a)anthracene	13.974	228	165175	4.981	ng	97
83) Chrysene	14.004	228	124181	4.154	ng	96
87) Indeno(1,2,3-cd)pyrene	16.892	276	93940	3.276	ng	94
88) Benzo(b)fluoranthene	15.027	252	250740m	7.900	ng	
89) Benzo(k)fluoranthene	15.039	252	96519m	3.880	ng	
90) Benzo(a)pyrene	15.380	252	180216	7.315	ng	95
92) Benzo(g,h,i)perylene	17.327	276	84783	3.517	ng	98

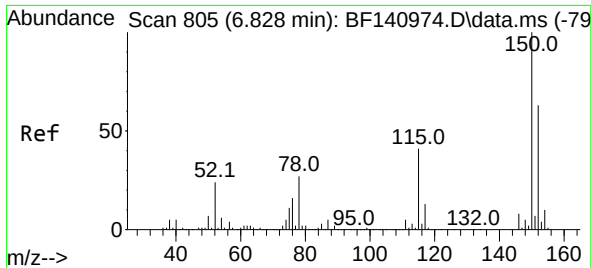
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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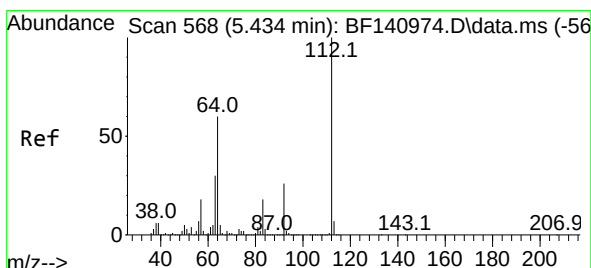
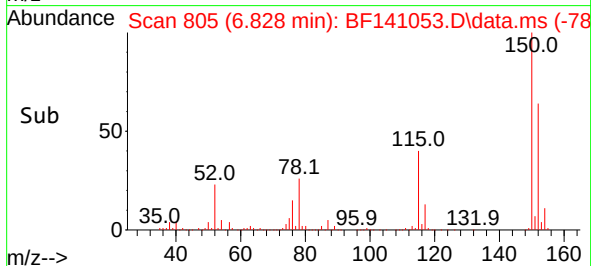
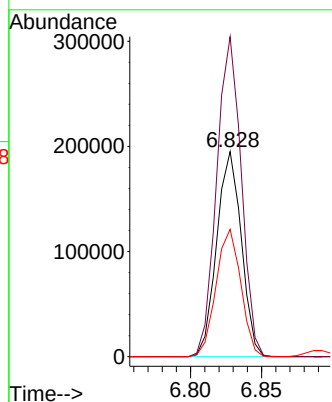
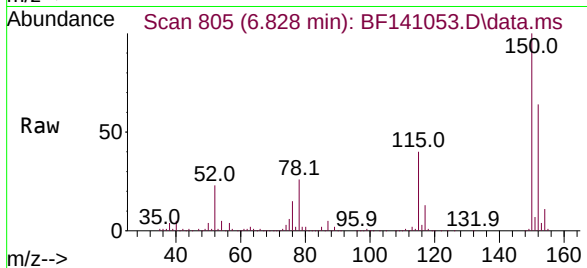




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

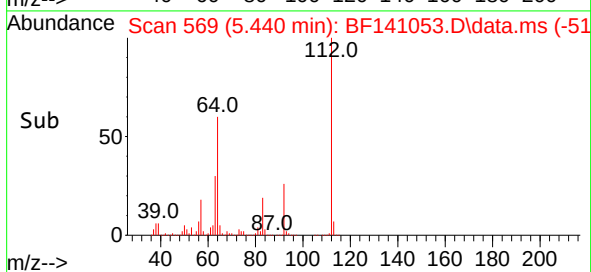
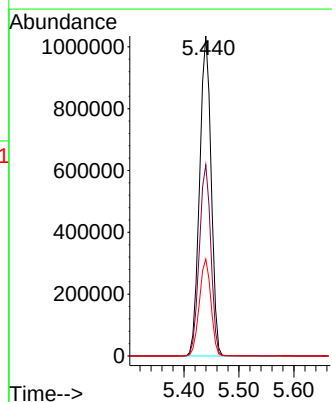
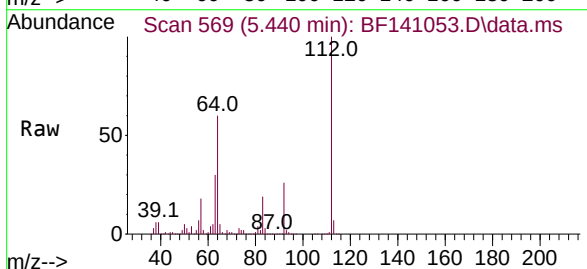
Instrument :
BNA_F
ClientSampleId :
341-349

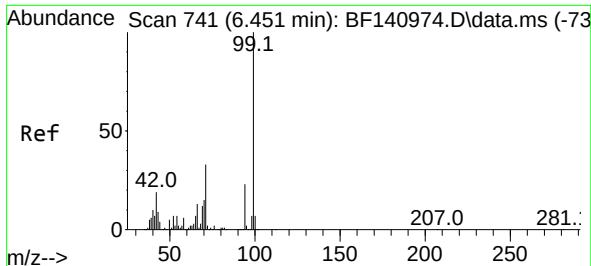
Tgt Ion:152 Resp: 234973
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 62.1 51.7 77.5



#5
2-Fluorophenol
Concen: 96.999 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:112 Resp: 1512038
Ion Ratio Lower Upper
112 100
64 59.8 47.7 71.5
63 30.3 24.2 36.2

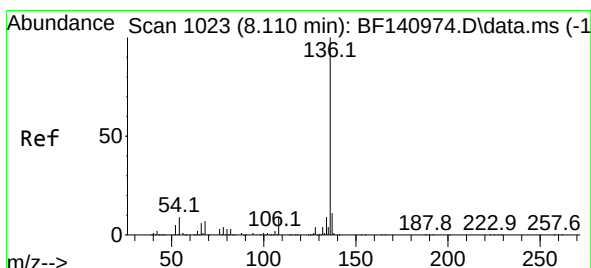
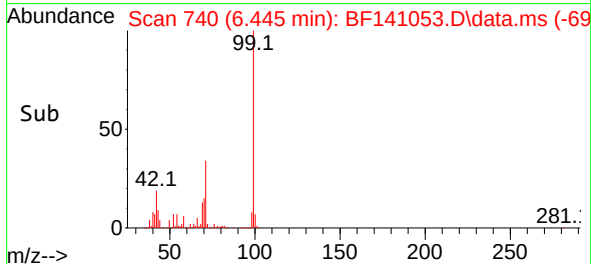
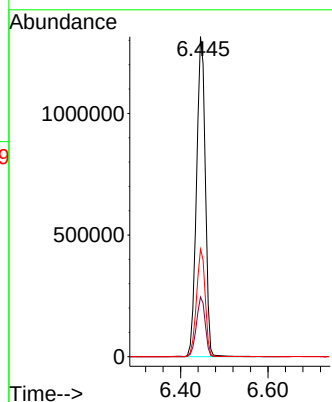
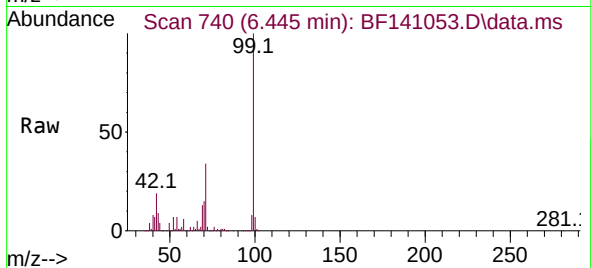




#7
Phenol-d6
Concen: 92.145 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

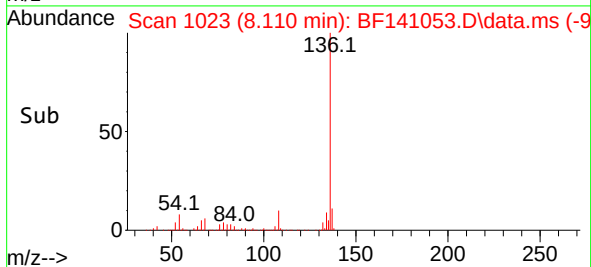
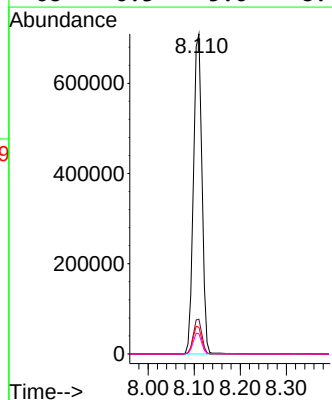
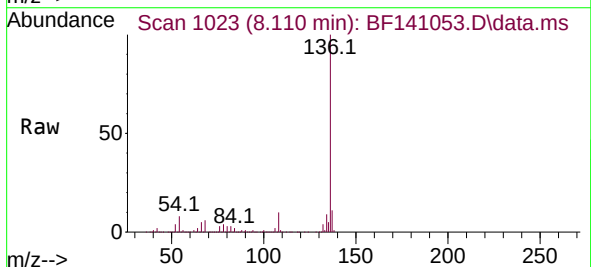
Instrument :
BNA_F
ClientSampleId :
341-349

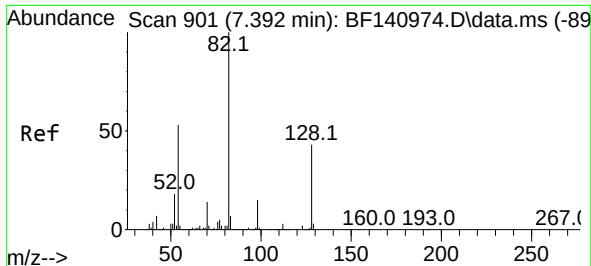
Tgt Ion: 99 Resp: 1850361
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 33.6 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion: 136 Resp: 909719
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.4 7.6 11.4
68 6.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 81.702 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

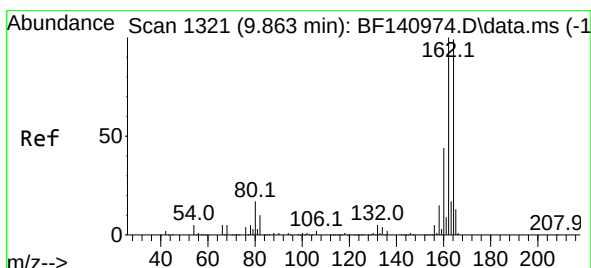
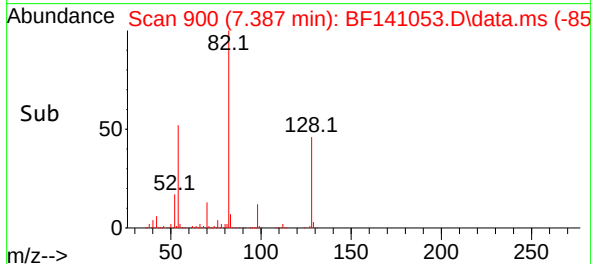
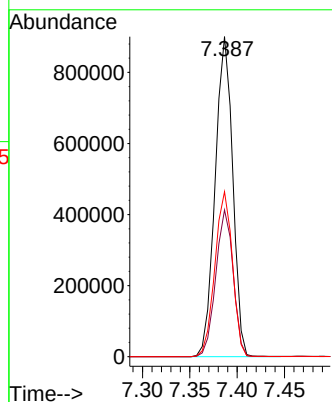
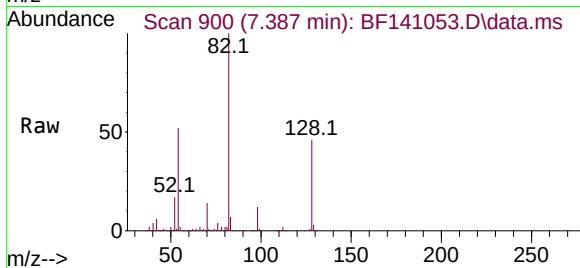
BNA_F

ClientSampleId :

341-349

Tgt Ion: 82 Resp: 1161744

Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.4	51.6
54	51.5	42.4	63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

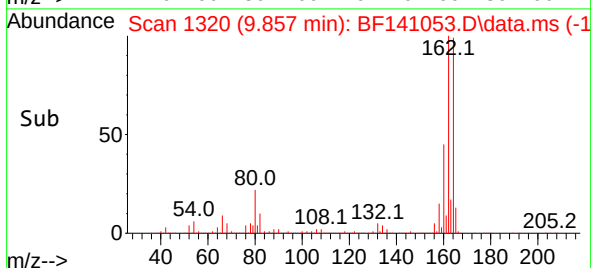
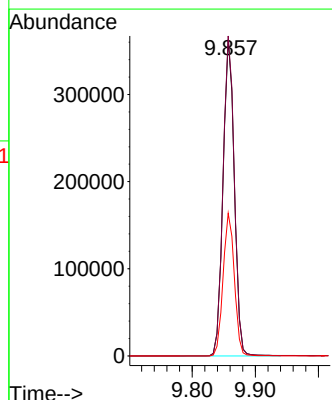
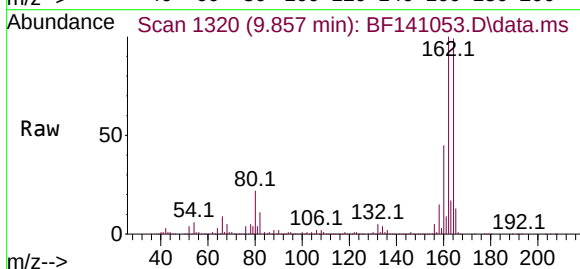
Delta R.T. -0.006 min

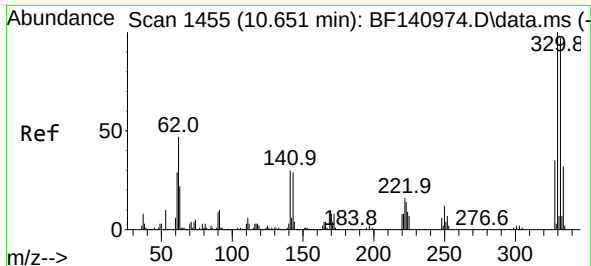
Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Tgt Ion: 164 Resp: 452308

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.1	35.7	53.5

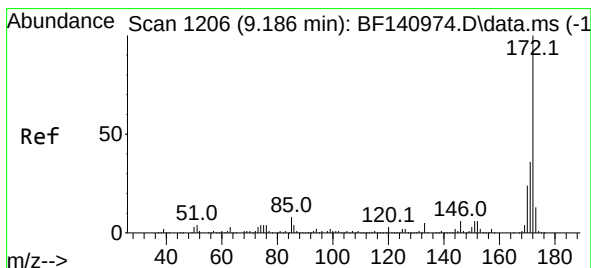
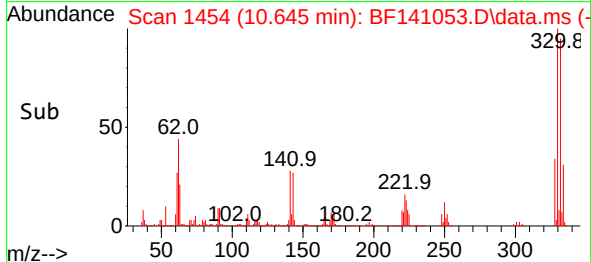
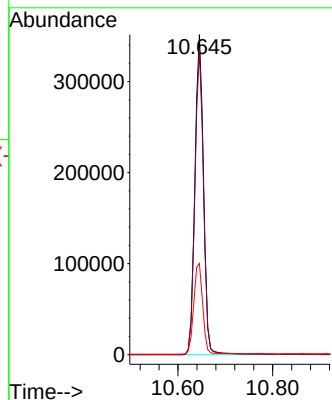
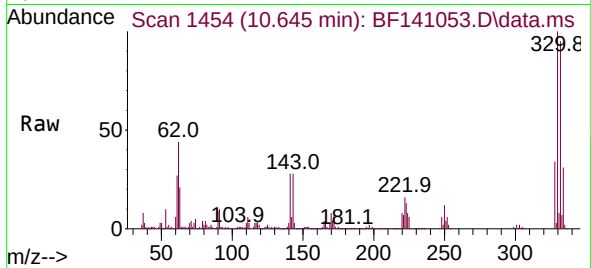




#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

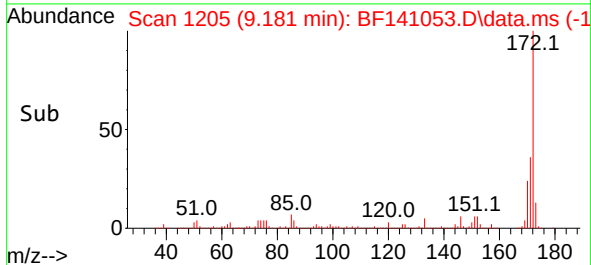
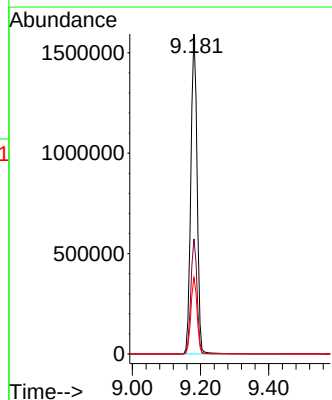
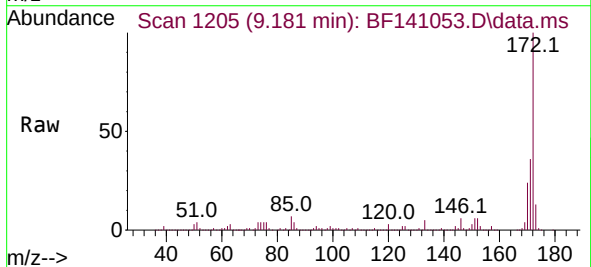
Instrument :
BNA_F
ClientSampleId :
341-349

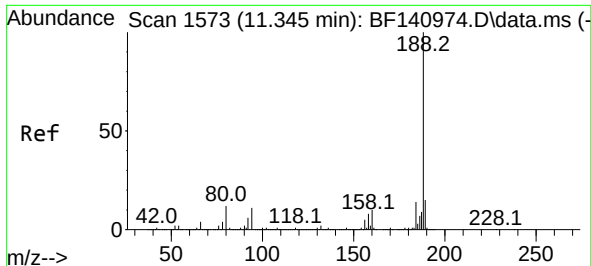
Tgt Ion:330 Resp: 444441
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 29.8 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 71.273 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:172 Resp: 2023375
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 23.9 19.6 29.4

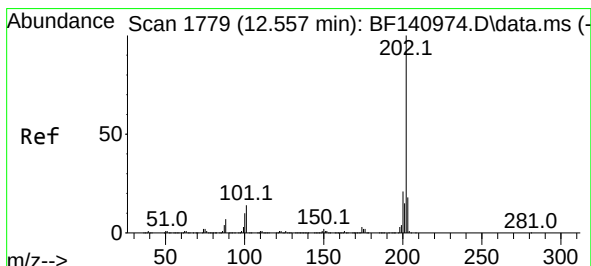
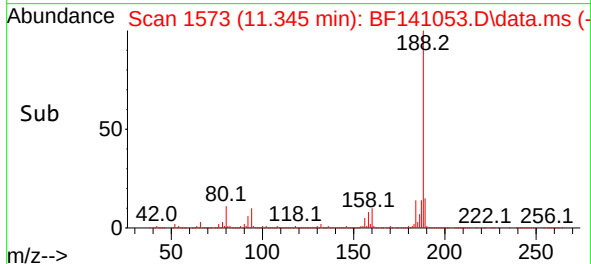
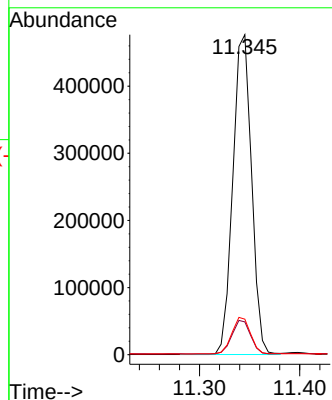
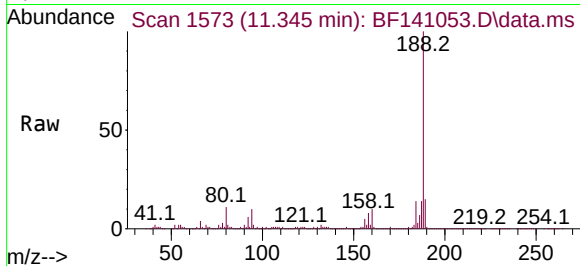




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

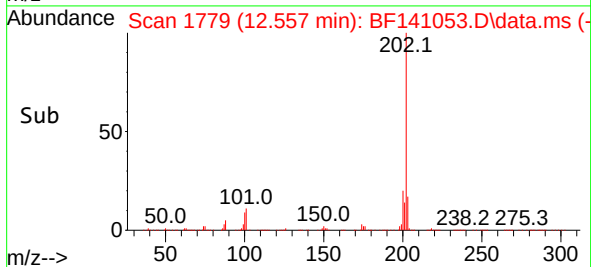
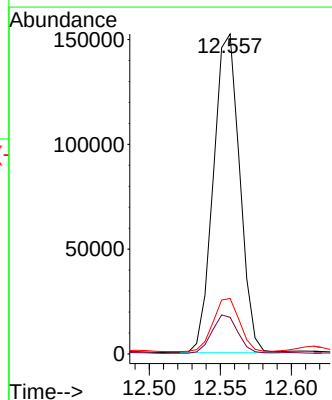
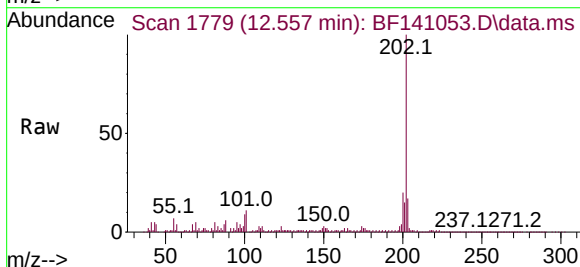
Instrument :
BNA_F
ClientSampleId :
341-349

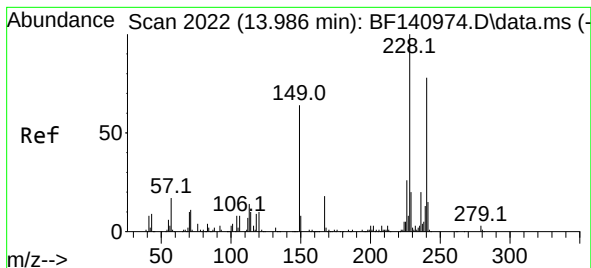
Tgt Ion:188 Resp: 616256
Ion Ratio Lower Upper
188 100
94 10.2 9.0 13.6
80 11.1 9.8 14.6



#75
Fluoranthene
Concen: 5.560 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF141053.D
Acq: 31 Dec 2024 12:42

Tgt Ion:202 Resp: 195601
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.7
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

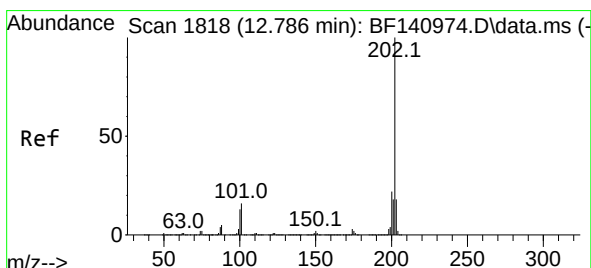
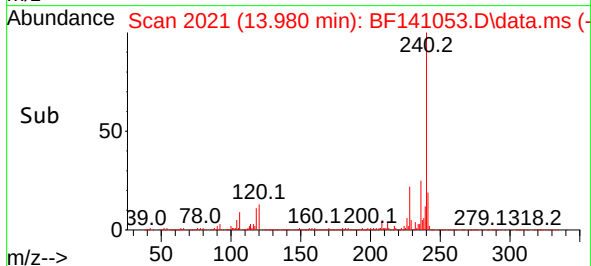
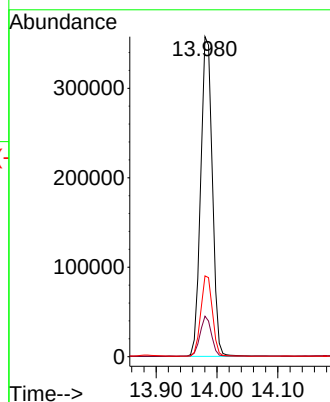
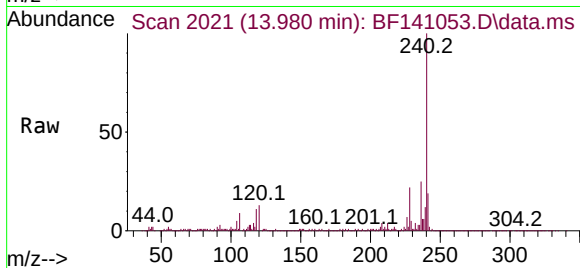
Tgt Ion:240 Resp: 475816

Ion Ratio Lower Upper

240 100

120 12.7 10.7 16.1

236 25.2 20.6 31.0



#78

Pyrene

Concen: 4.949 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

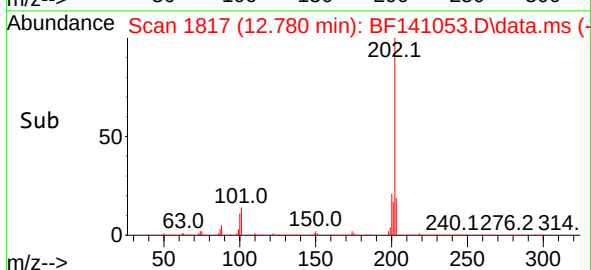
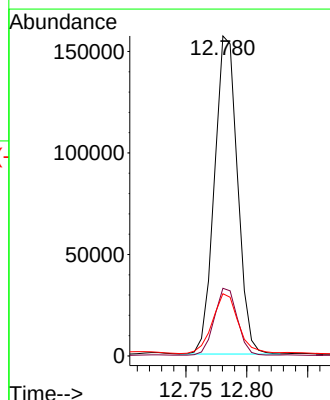
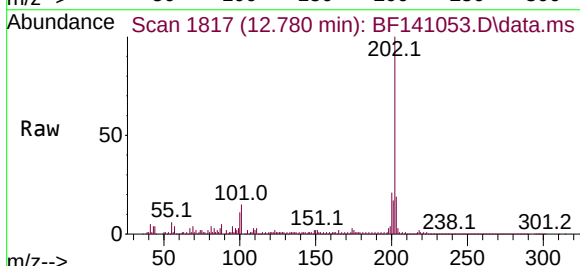
Tgt Ion:202 Resp: 205929

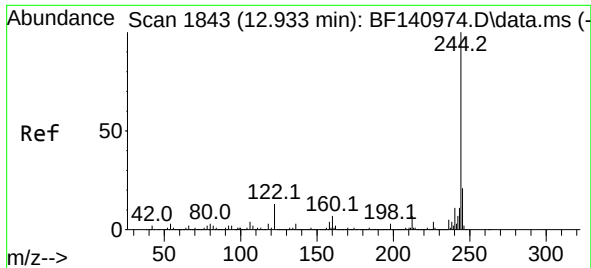
Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 19.4 14.6 21.8

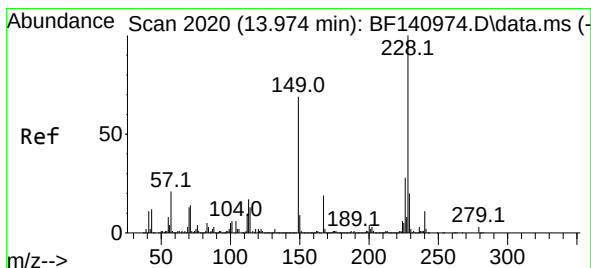
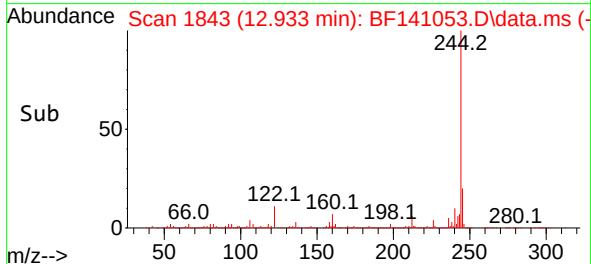
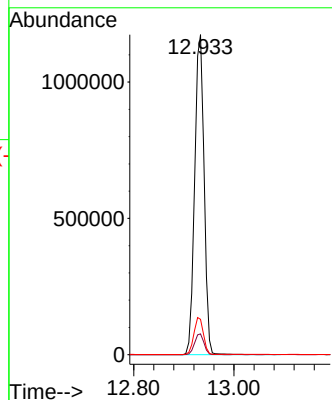
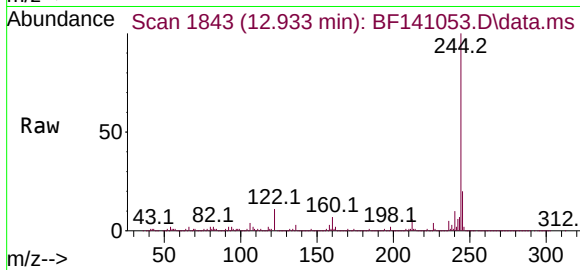




#79
 Terphenyl-d14
 Concen: 53.171 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: BF141053.D
 Acq: 31 Dec 2024 12:42

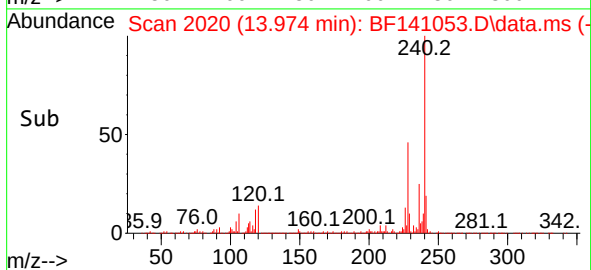
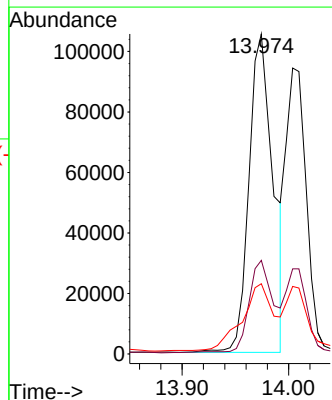
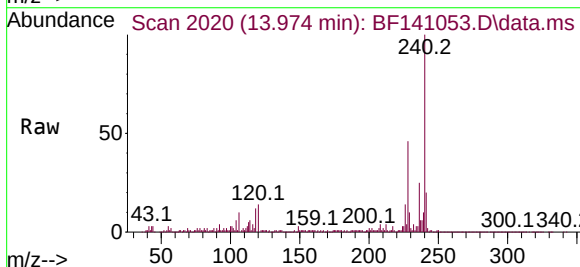
Instrument :
 BNA_F
 ClientSampleId :
 341-349

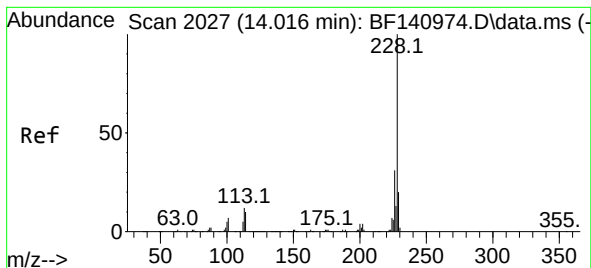
Tgt Ion:244 Resp: 1523154
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 11.0 10.2 15.2



#81
 Benzo(a)anthracene
 Concen: 4.981 ng
 RT: 13.974 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: BF141053.D
 Acq: 31 Dec 2024 12:42

Tgt Ion:228 Resp: 165175
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.1 33.1
 229 22.0 16.2 24.2





#83

Chrysene

Concen: 4.154 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

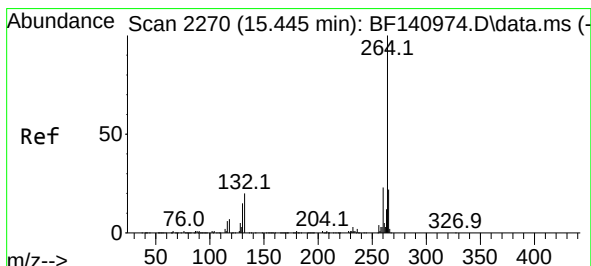
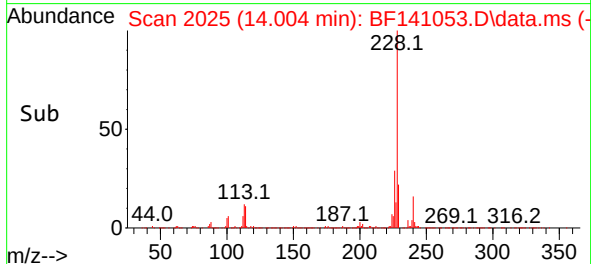
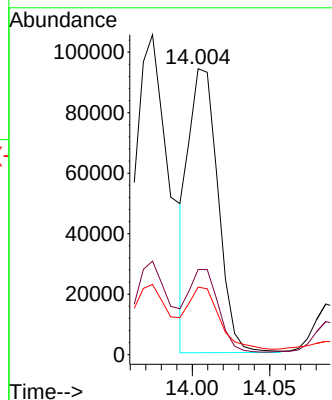
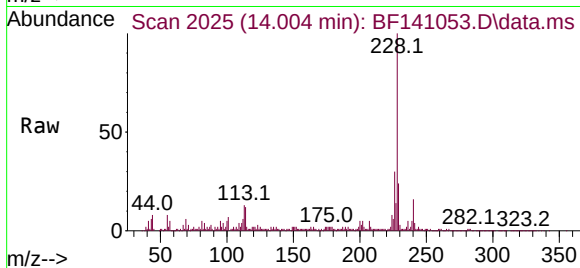
Tgt Ion:228 Resp: 124181

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 23.6 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

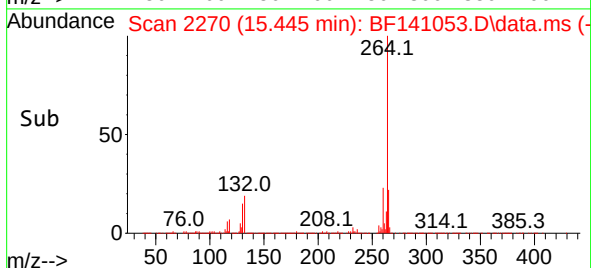
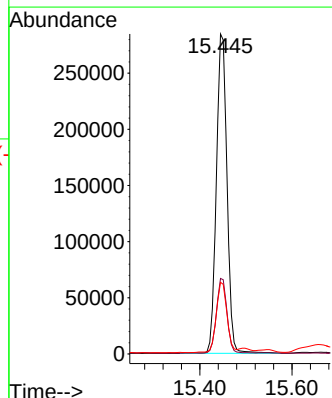
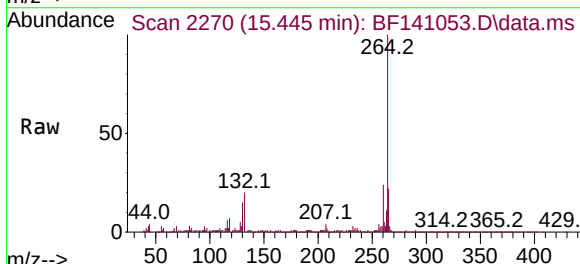
Tgt Ion:264 Resp: 455094

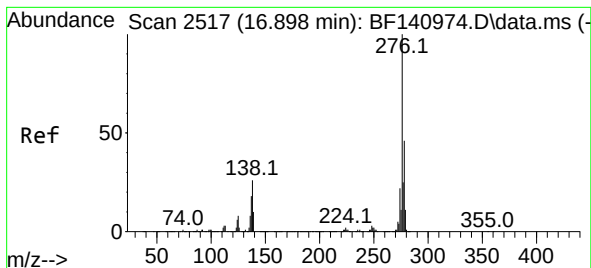
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.276 ng

RT: 16.892 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

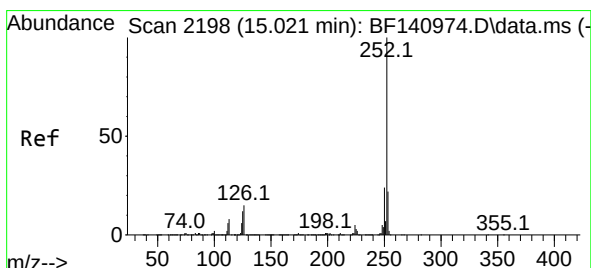
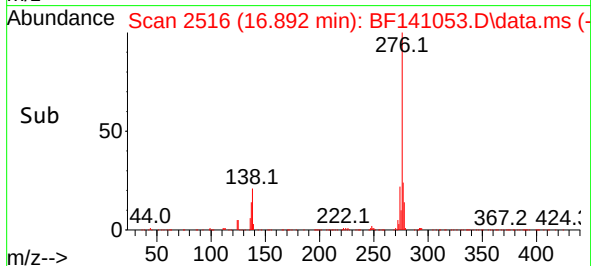
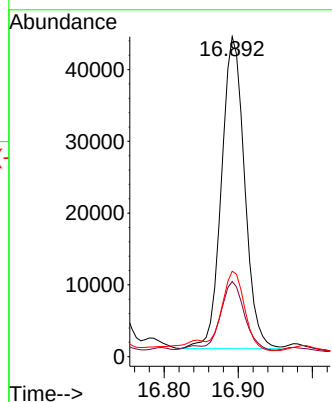
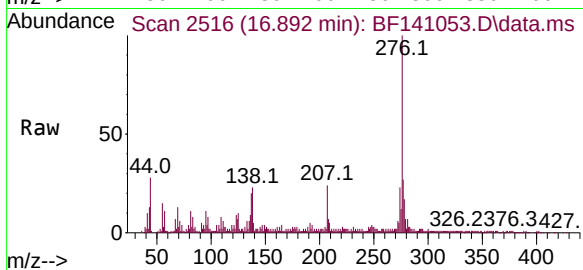
Tgt Ion:276 Resp: 93940

Ion Ratio Lower Upper

276 100

138 23.8 23.1 34.7

277 25.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.900 ng m

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

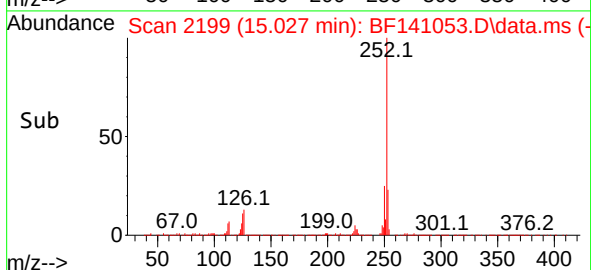
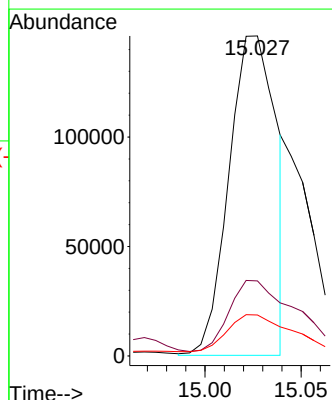
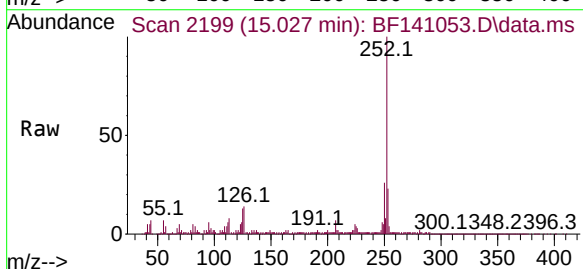
Tgt Ion:252 Resp: 250740

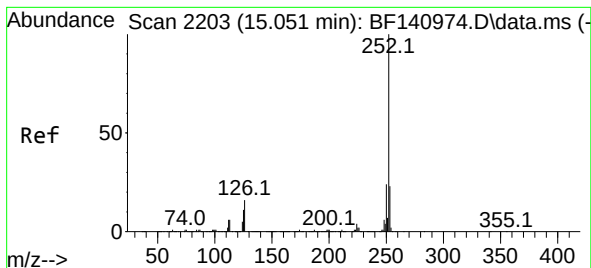
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.8 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 3.880 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349

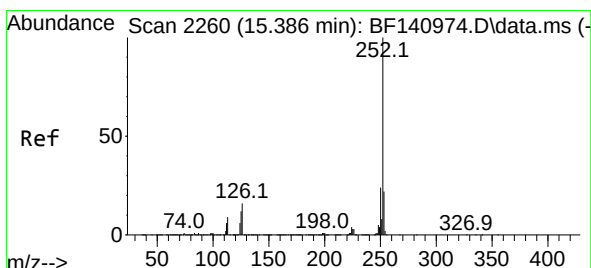
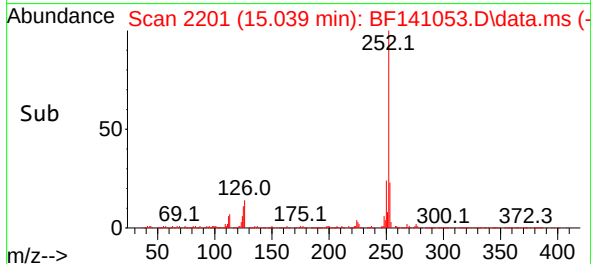
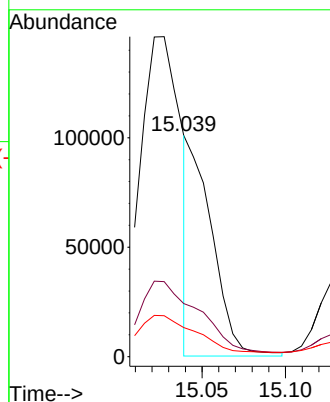
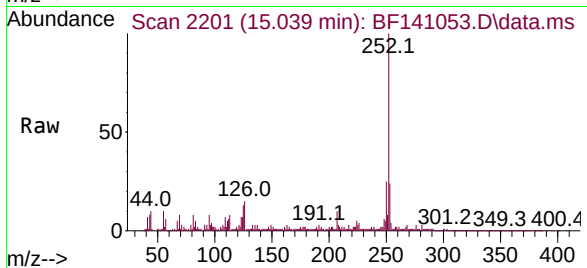
Tgt Ion:252 Resp: 96519

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 13.2 9.4 14.0



#90

Benzo(a)pyrene

Concen: 7.315 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF141053.D

Acq: 31 Dec 2024 12:42

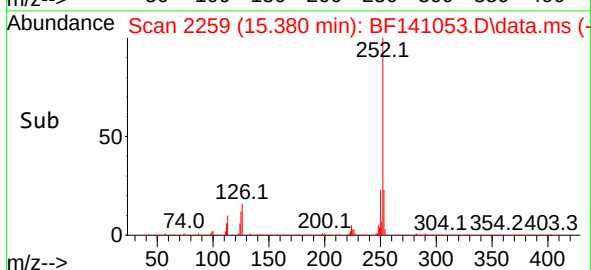
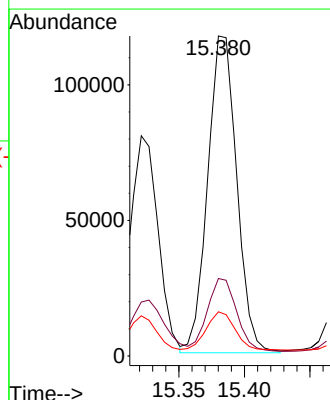
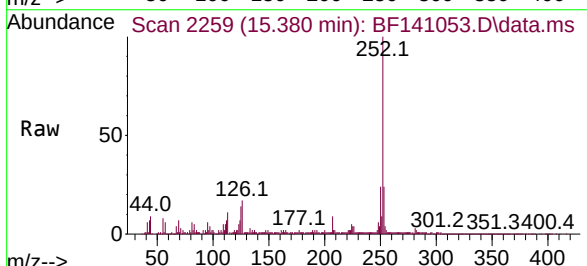
Tgt Ion:252 Resp: 180216

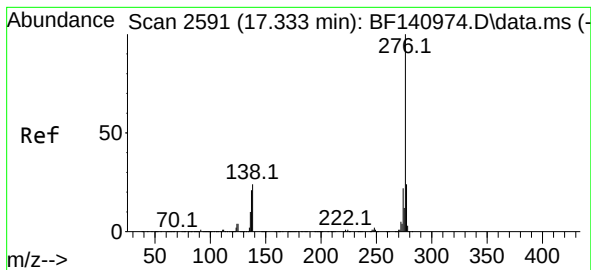
Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 13.8 9.8 14.8





#92

Benzo(g,h,i)perylene

Concen: 3.517 ng

RT: 17.327 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141053.D

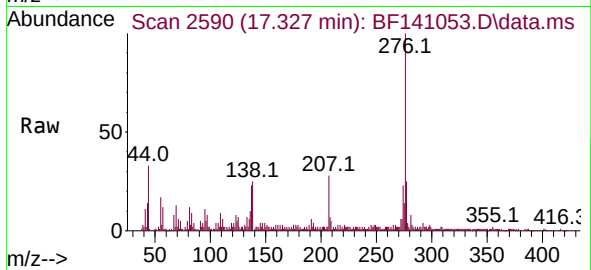
Acq: 31 Dec 2024 12:42

Instrument :

BNA_F

ClientSampleId :

341-349



Tgt Ion:276 Resp: 84783

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 25.3 19.4 29.2

