

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140414.D
 Acq On : 15 Nov 2024 19:51
 Operator : RC/JU
 Sample : P4850-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-11142024

Quant Time: Nov 15 22:15:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

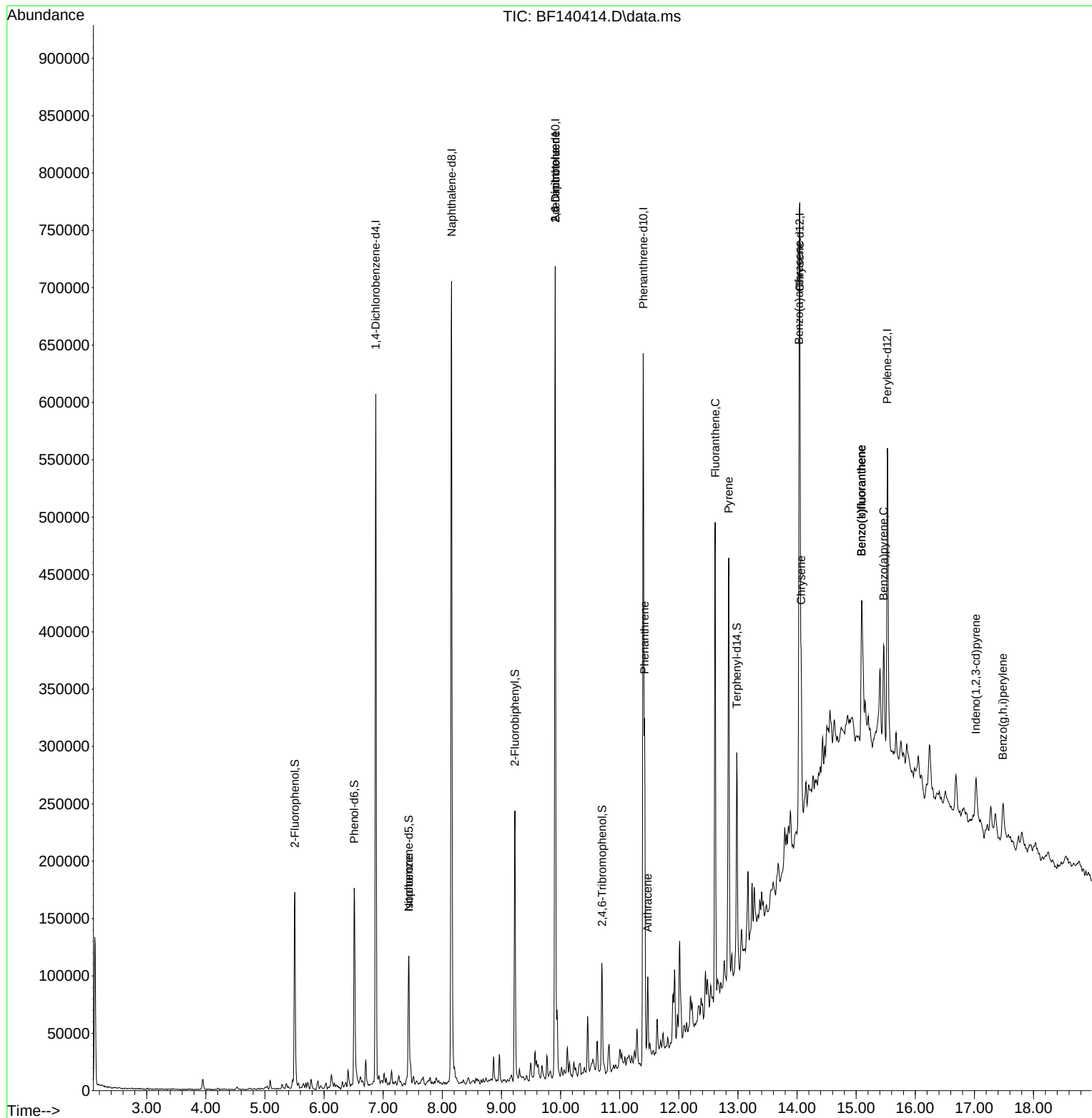
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	127042	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	451189	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	210152	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	324870	20.000	ng	0.00
76) Chrysene-d12	14.045	240	217441	20.000	ng	0.00
86) Perylene-d12	15.527	264	159028	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	70058	9.415	ng	0.01
7) Phenol-d6	6.510	99	92237	9.150	ng	0.00
23) Nitrobenzene-d5	7.434	82	57792	6.674	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	14591	6.982	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	110978	8.489	ng	0.00
79) Terphenyl-d14	12.980	244	91912	7.337	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	53380	3.478	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	27608	8.841	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	27669	6.732	ng	# 20
71) Phenanthrene	11.422	178	148031	9.700	ng	99
72) Anthracene	11.475	178	43211	2.889	ng	97
75) Fluoranthene	12.616	202	244473	14.279	ng	98
78) Pyrene	12.845	202	216677	11.650	ng	99
81) Benzo(a)anthracene	14.033	228	94351	6.602	ng	95
83) Chrysene	14.069	228	78053	5.986	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	26198	2.667	ng	93
88) Benzo(b)fluoranthene	15.092	252	98049	9.425	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	98049	11.537	ng	# 90
90) Benzo(a)pyrene	15.463	252	49375	6.112	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	27220	3.279	ng	93

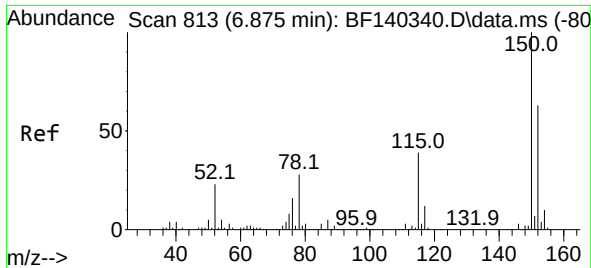
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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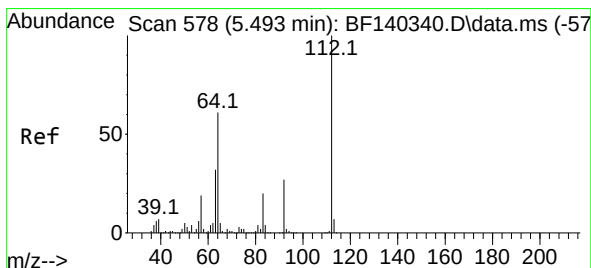
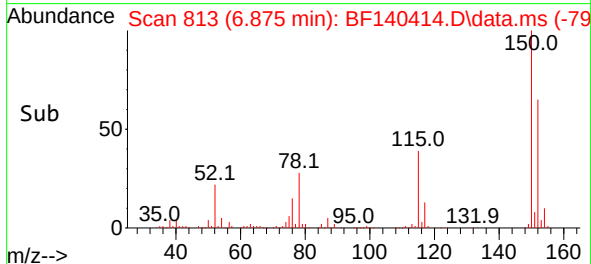
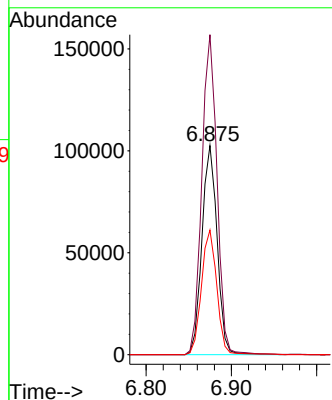
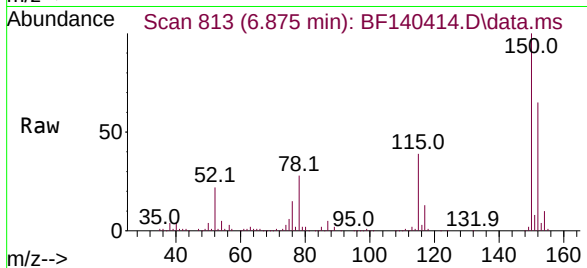




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

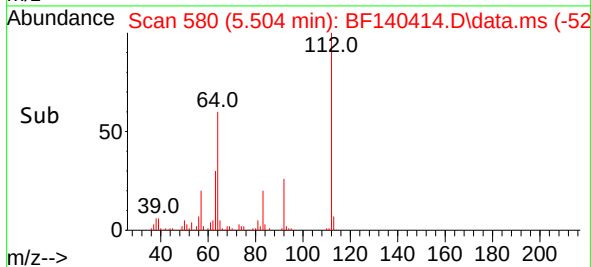
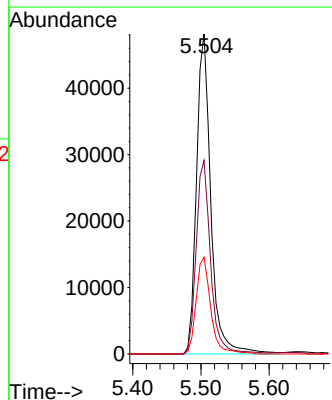
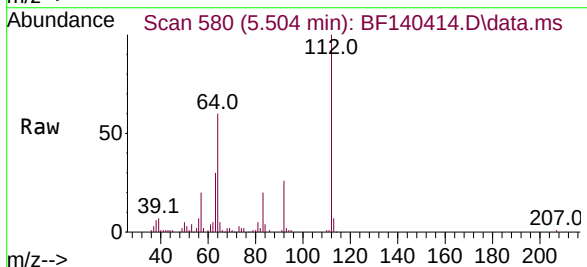
Instrument :
BNA_F
ClientSampleId :
OR-03-11142024

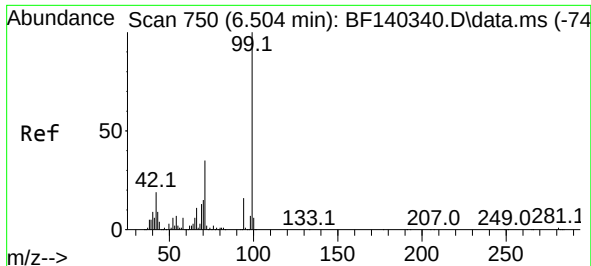
Tgt Ion:152 Resp: 127042
Ion Ratio Lower Upper
152 100
150 153.0 127.4 191.0
115 59.6 47.4 71.2



#5
2-Fluorophenol
Concen: 9.415 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:112 Resp: 70058
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 30.3 25.6 38.4

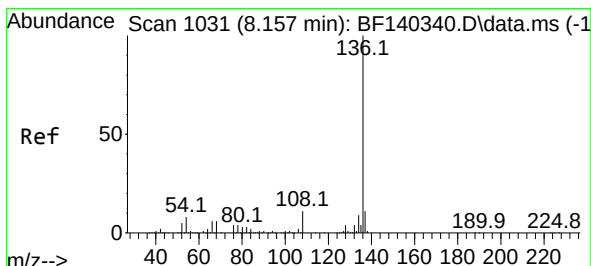
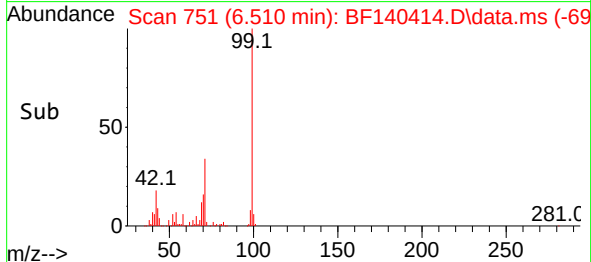
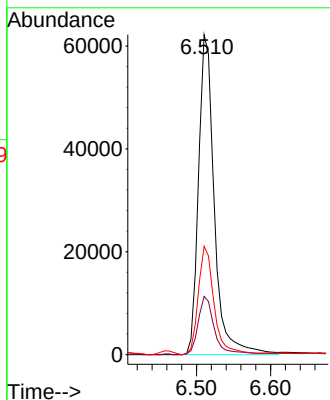
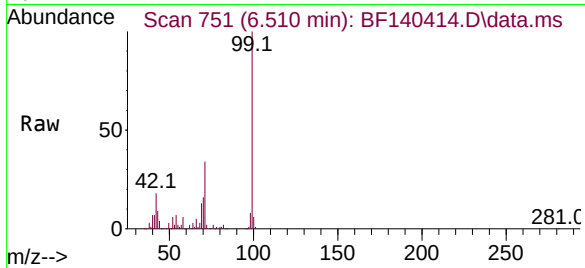




#7
Phenol-d6
Concen: 9.150 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

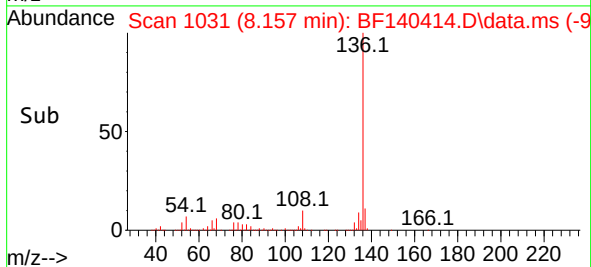
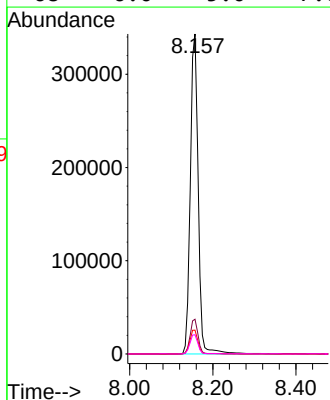
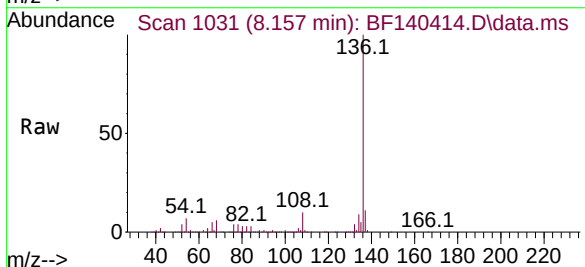
Instrument :
BNA_F
ClientSampleId :
OR-03-11142024

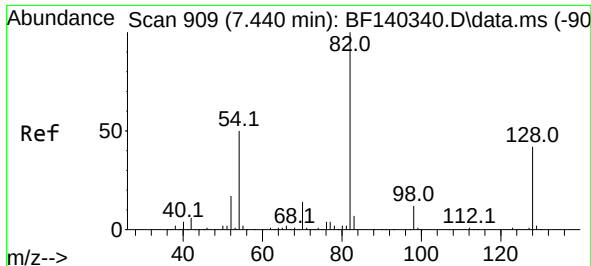
Tgt Ion:	99	Resp:	92237
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.1	22.7
71	33.8	27.9	41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:	136	Resp:	451189
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.4	6.5	9.7
68	6.0	5.0	7.6

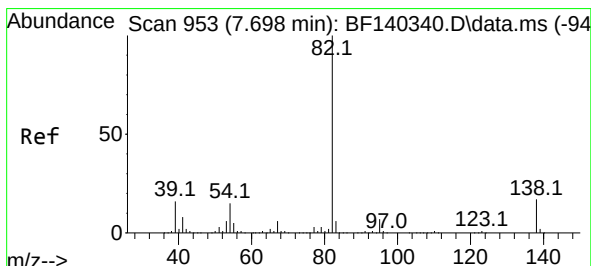
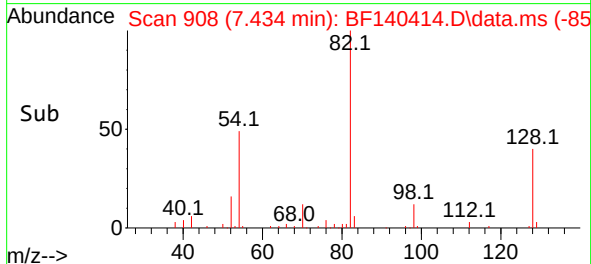
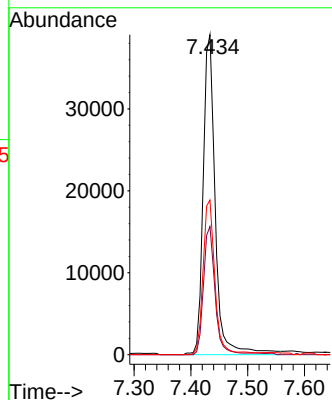
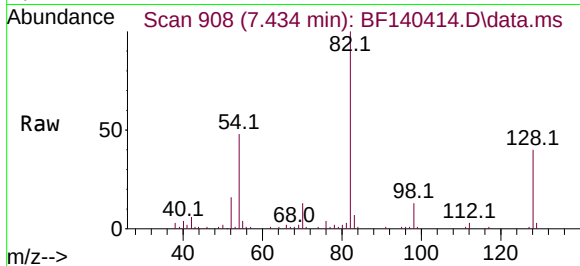




#23
Nitrobenzene-d5
Concen: 6.674 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

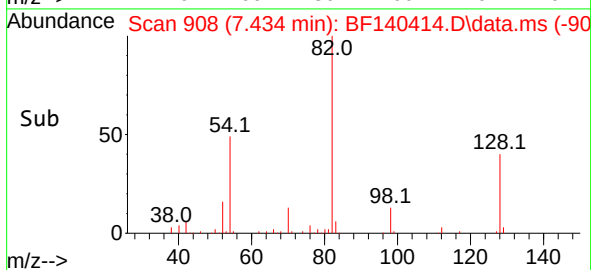
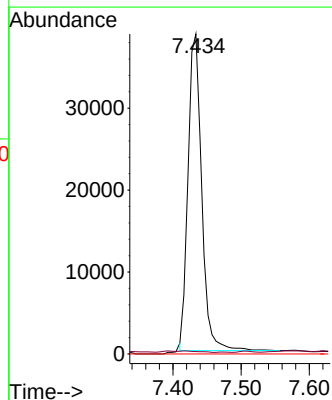
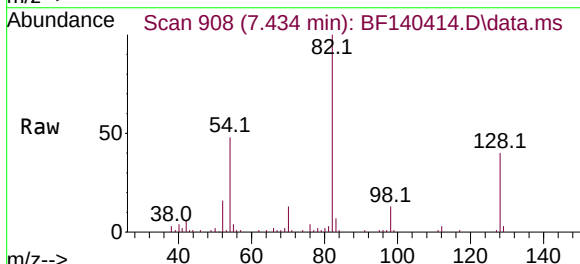
Instrument :
BNA_F
ClientSampleId :
OR-03-11142024

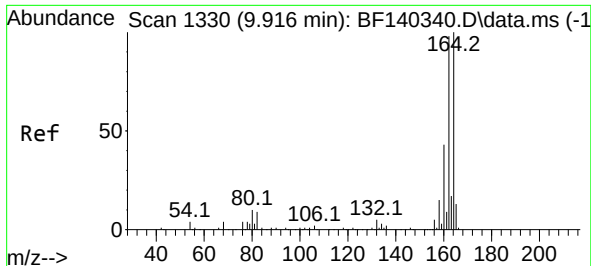
Tgt Ion: 82 Resp: 57792
Ion Ratio Lower Upper
82 100
128 40.1 33.3 49.9
54 48.3 39.8 59.8



#25
Isophorone
Concen: 3.478 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion: 82 Resp: 53380
Ion Ratio Lower Upper
82 100
95 0.7 5.9 8.9#
138 0.0 13.4 20.2#

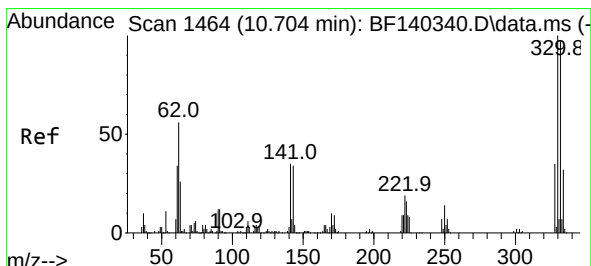
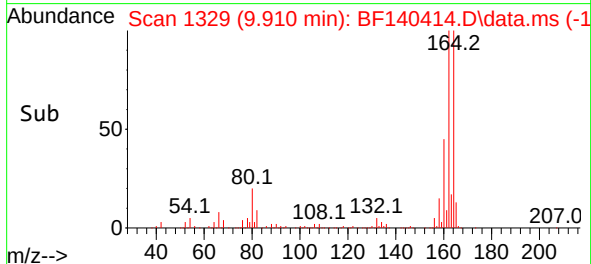
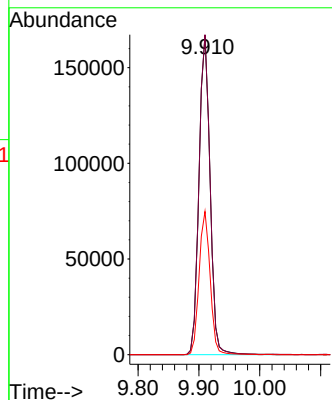
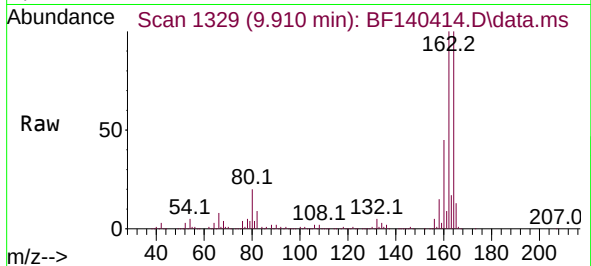




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

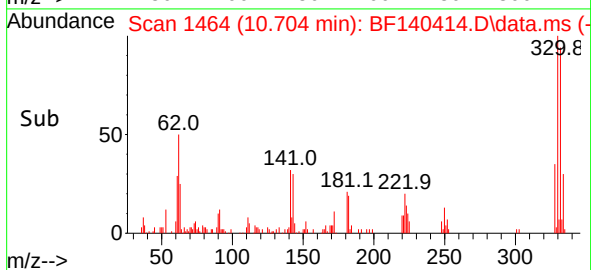
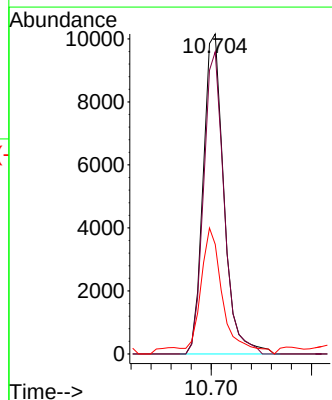
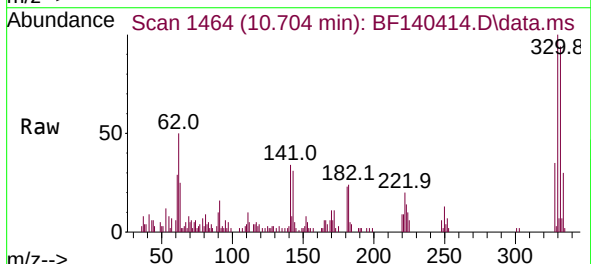
Instrument :
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ClientSampleId :
OR-03-11142024

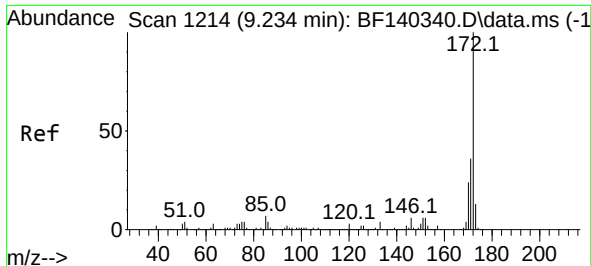
Tgt Ion:164 Resp: 210152
Ion Ratio Lower Upper
164 100
162 100.2 79.8 119.8
160 44.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 6.982 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:330 Resp: 14591
Ion Ratio Lower Upper
330 100
332 93.3 75.9 113.9
141 41.7 26.9 40.3#





#45

2-Fluorobiphenyl

Concen: 8.489 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

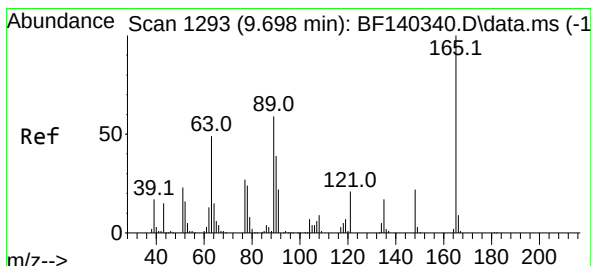
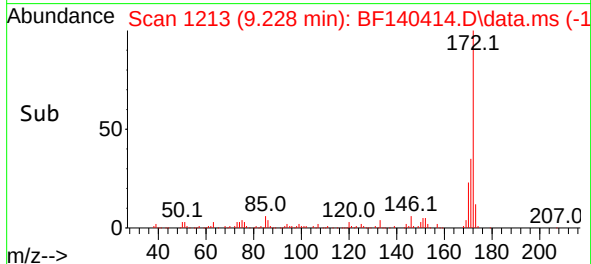
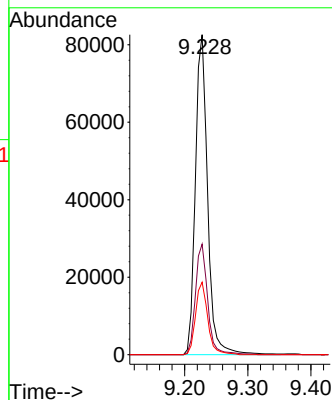
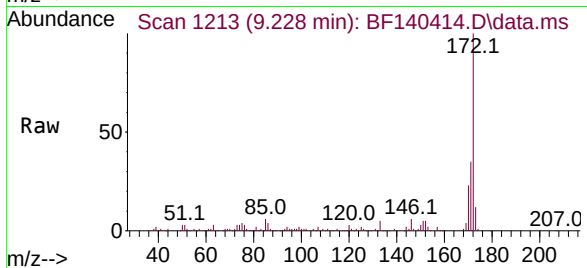
Tgt Ion:172 Resp: 110978

Ion Ratio Lower Upper

172 100

171 34.6 28.5 42.7

170 22.7 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.841 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

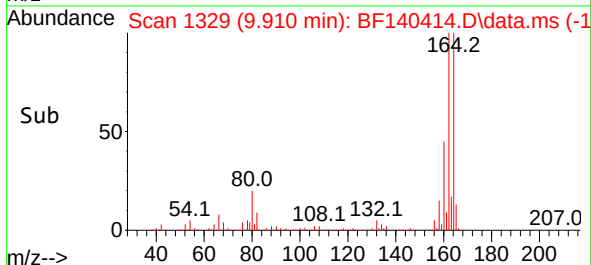
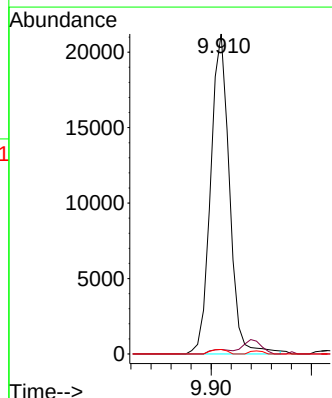
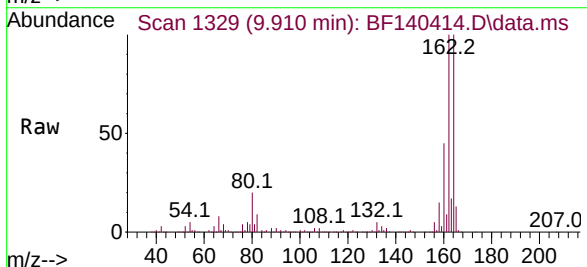
Tgt Ion:165 Resp: 27608

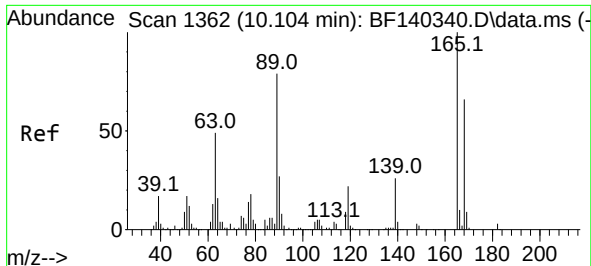
Ion Ratio Lower Upper

165 100

63 1.4 47.6 71.4#

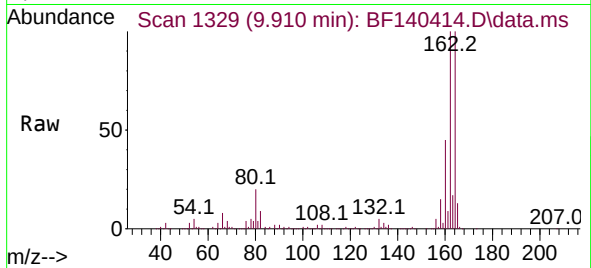
89 1.4 48.1 72.1#



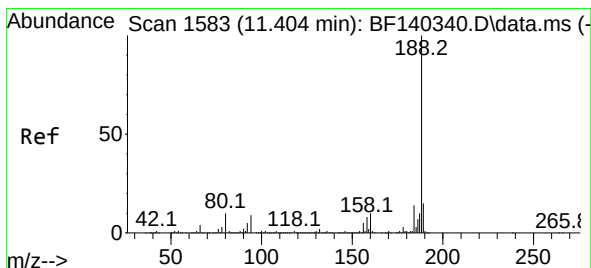
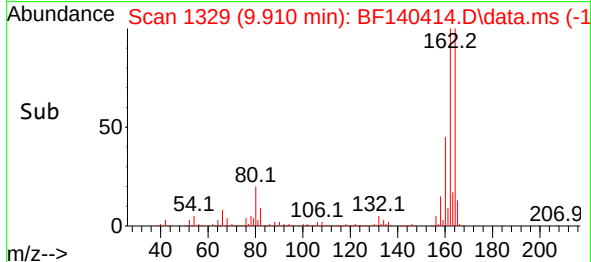
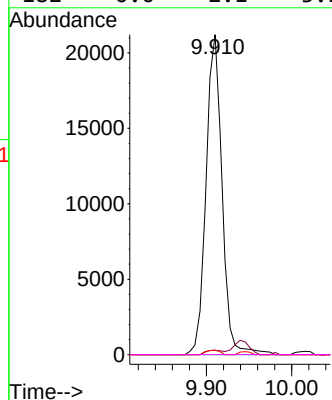


#57
2,4-Dinitrotoluene
Concen: 6.732 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Instrument :
BNA_F
ClientSampleId :
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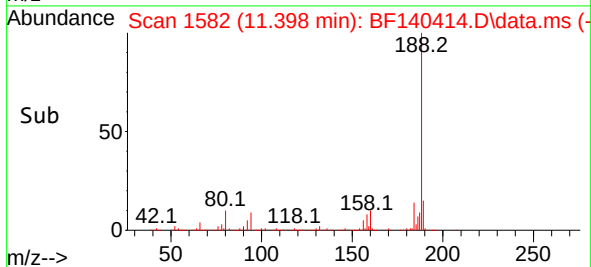
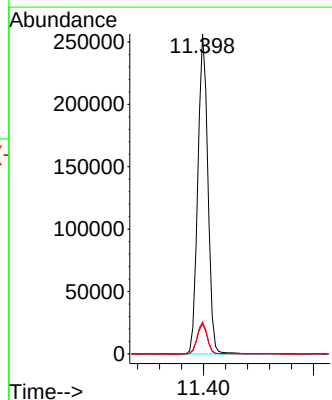
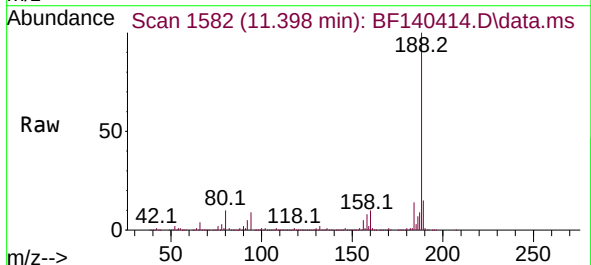


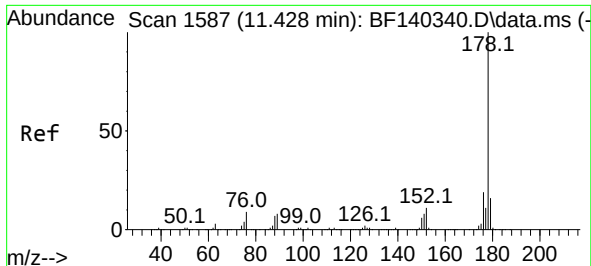
Tgt Ion:165 Resp: 27669
Ion Ratio Lower Upper
165 100
63 1.4 39.4 59.0#
89 1.4 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:188 Resp: 324870
Ion Ratio Lower Upper
188 100
94 9.3 7.6 11.4
80 10.0 8.0 12.0

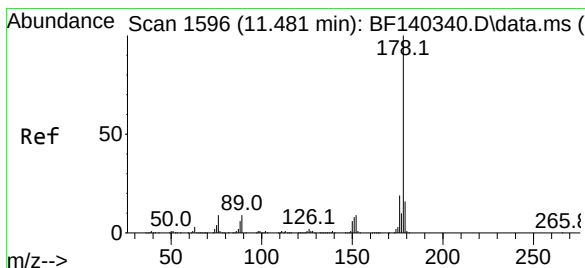
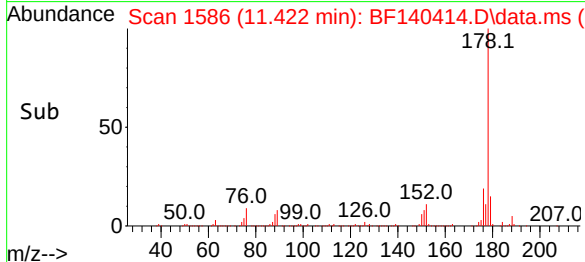
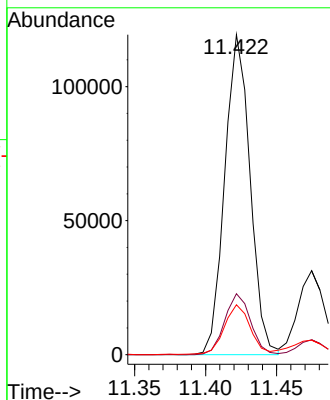
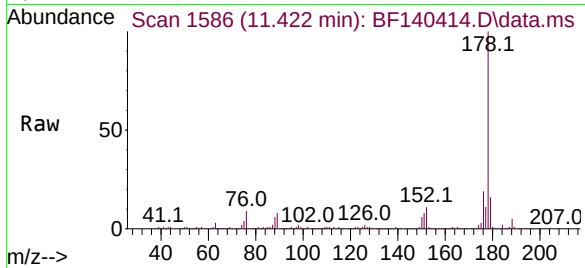




#71
Phenanthrene
Concen: 9.700 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

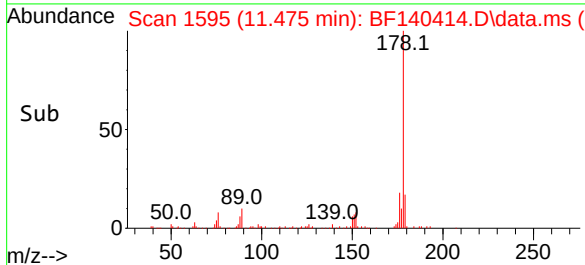
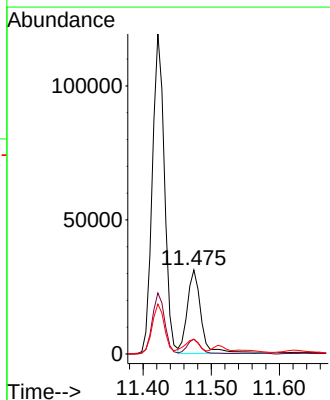
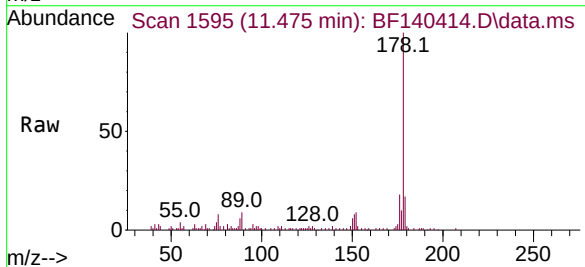
Instrument :
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OR-03-11142024

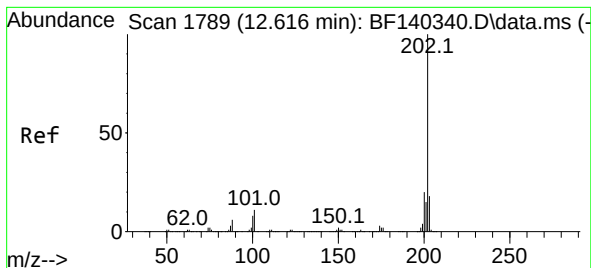
Tgt Ion:178 Resp: 148031
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.4 18.6



#72
Anthracene
Concen: 2.889 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:178 Resp: 43211
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 17.3 12.6 18.8





#75

Fluoranthene

Concen: 14.279 ng

RT: 12.616 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

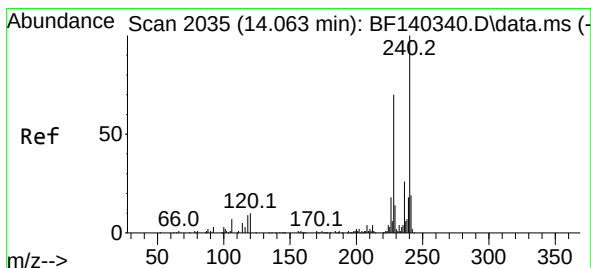
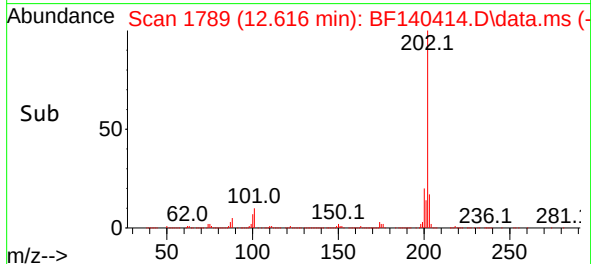
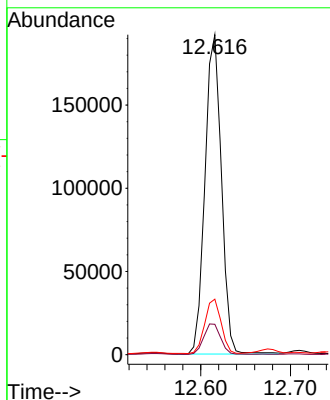
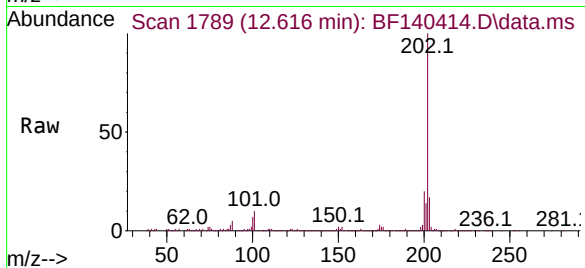
Tgt Ion:202 Resp: 244473

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.7

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

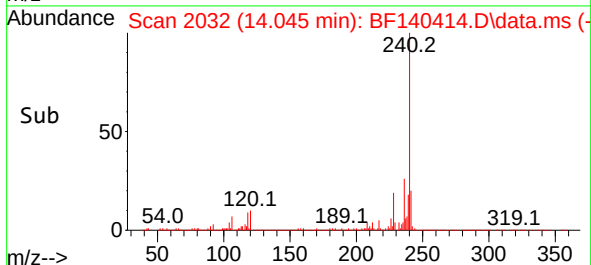
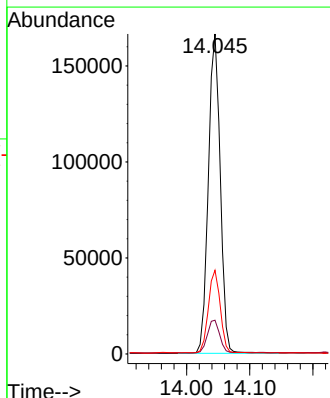
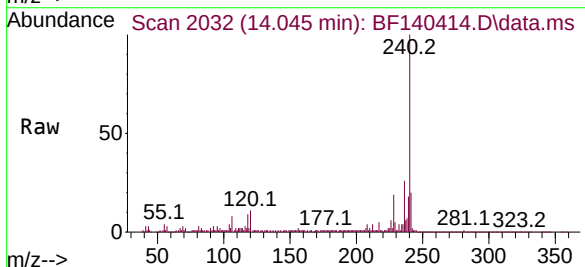
Tgt Ion:240 Resp: 217441

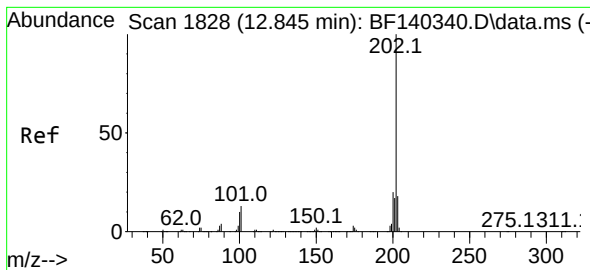
Ion Ratio Lower Upper

240 100

120 10.5 8.8 13.2

236 26.2 20.9 31.3





#78

Pyrene

Concen: 11.650 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

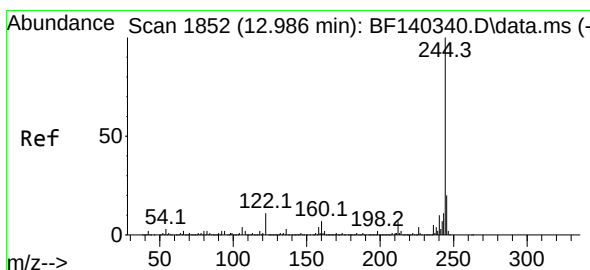
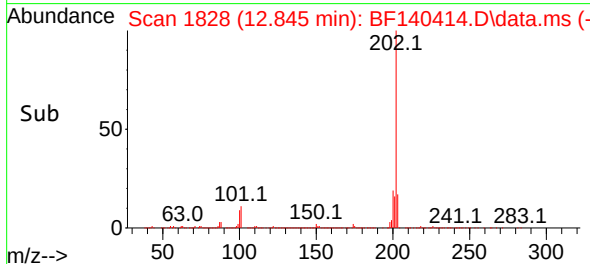
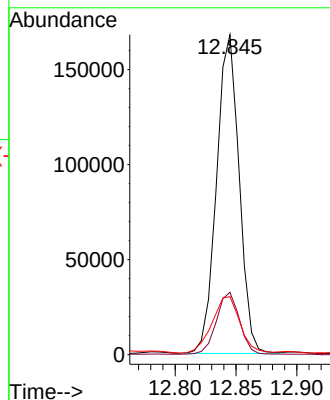
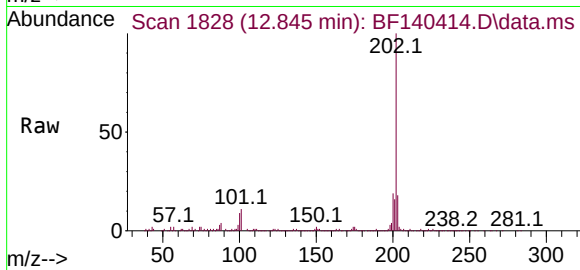
Tgt Ion:202 Resp: 216677

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 7.337 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

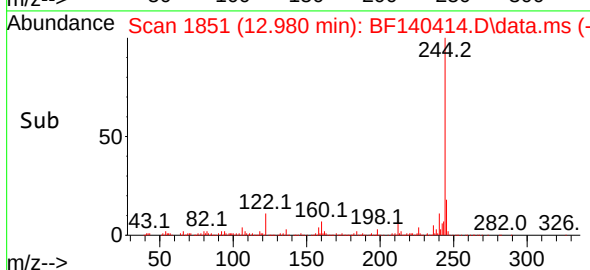
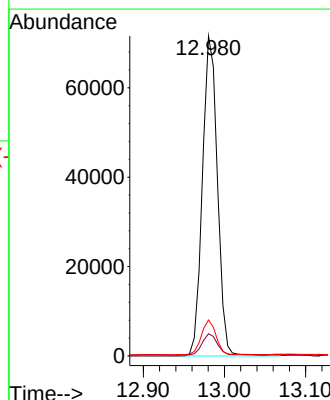
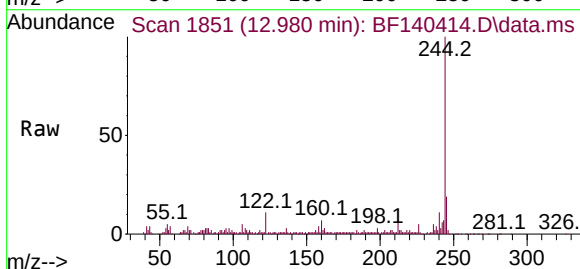
Tgt Ion:244 Resp: 91912

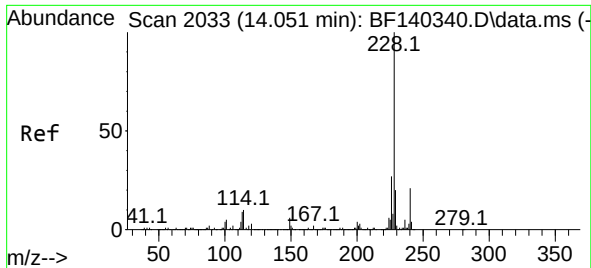
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 11.2 8.8 13.2

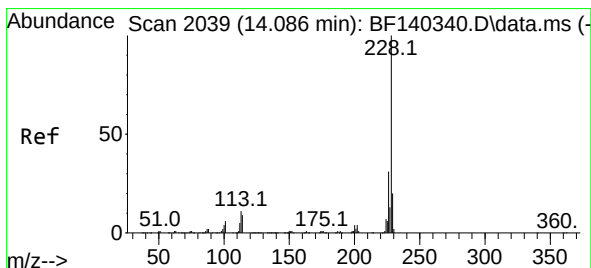
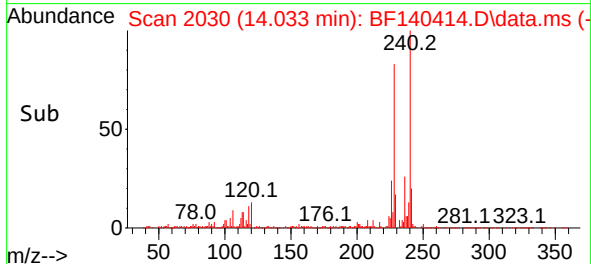
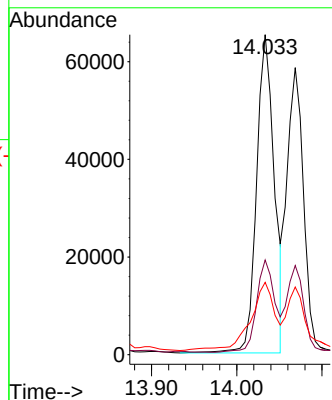
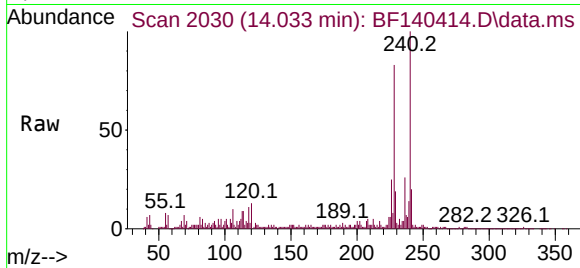




#81
Benzo(a)anthracene
Concen: 6.602 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

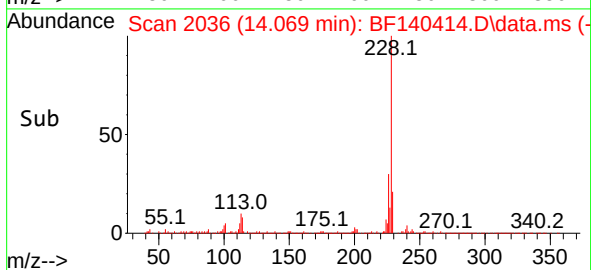
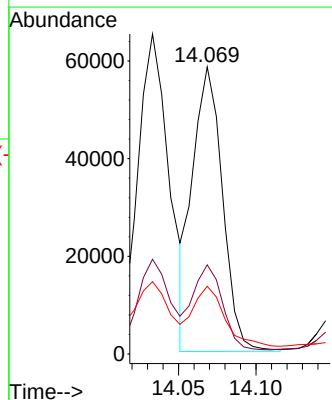
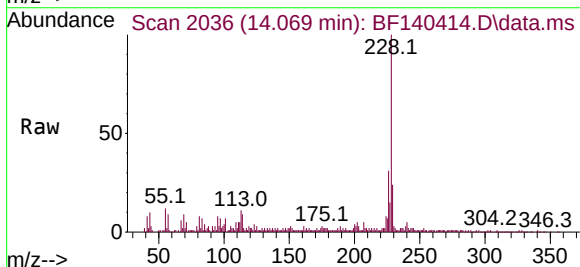
Instrument :
BNA_F
ClientSampleId :
OR-03-11142024

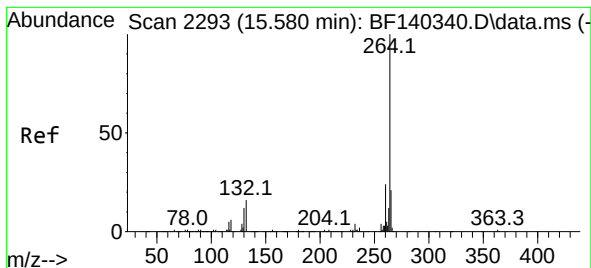
Tgt Ion:228 Resp: 94351
Ion Ratio Lower Upper
228 100
226 29.6 22.2 33.4
229 22.6 15.8 23.6



#83
Chrysene
Concen: 5.986 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:228 Resp: 78053
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 23.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

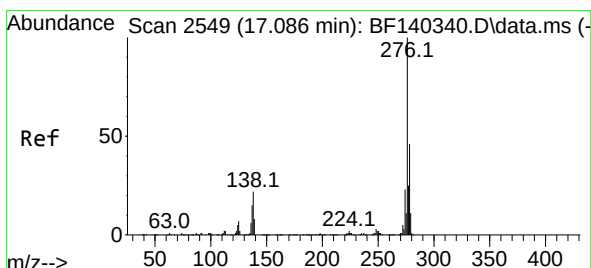
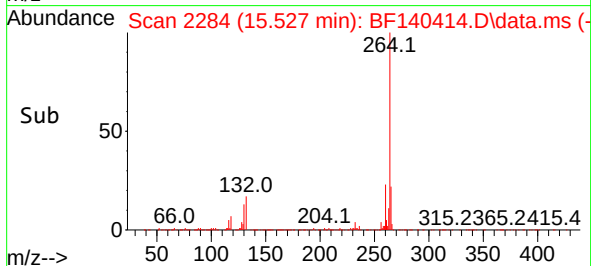
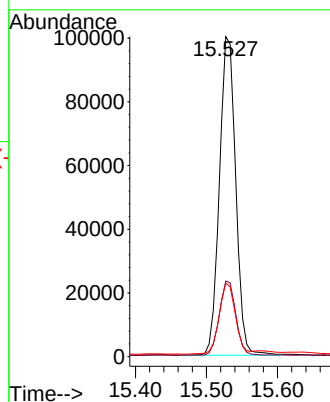
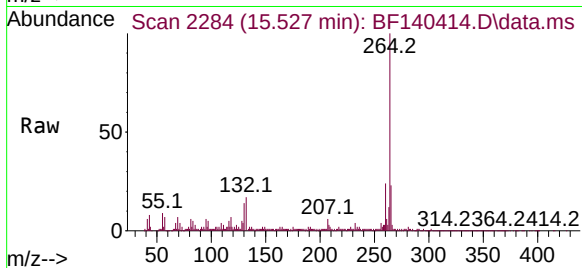
Tgt Ion:264 Resp: 159028

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.9 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.667 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.029 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

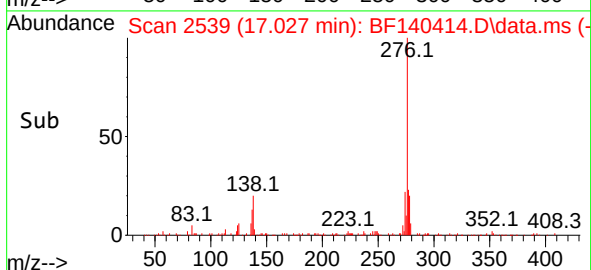
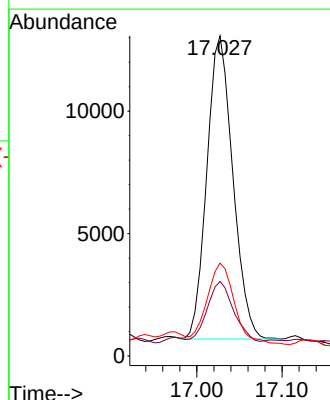
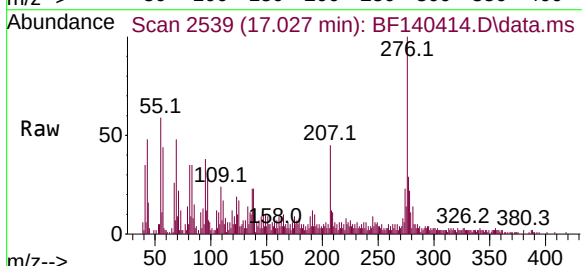
Tgt Ion:276 Resp: 26198

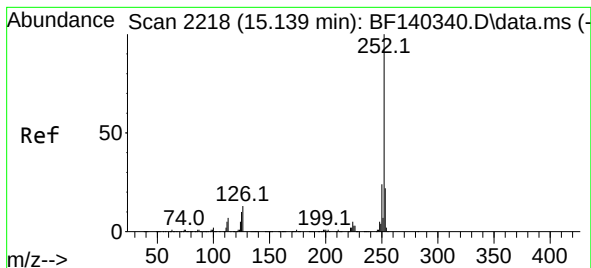
Ion Ratio Lower Upper

276 100

138 20.1 18.8 28.2

277 28.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.425 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

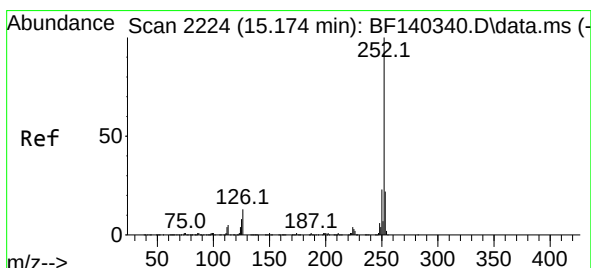
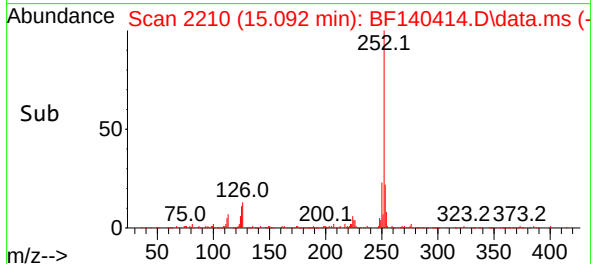
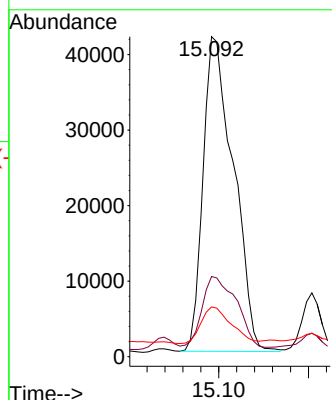
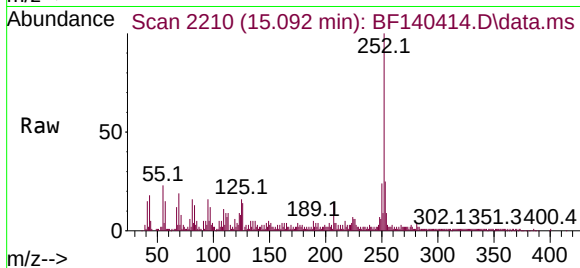
Tgt Ion:252 Resp: 98049

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 15.5 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 11.537 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.059 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

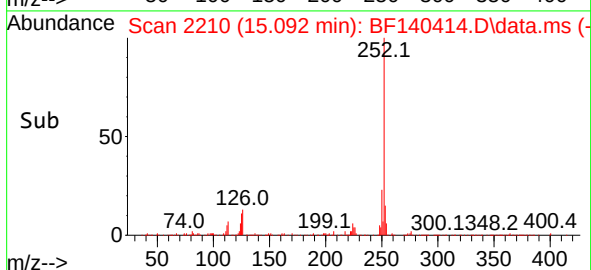
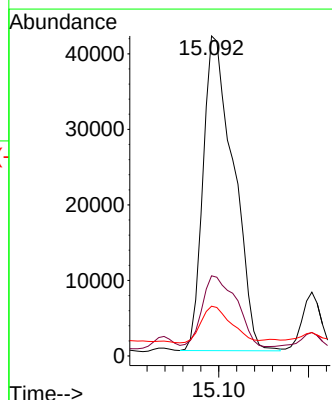
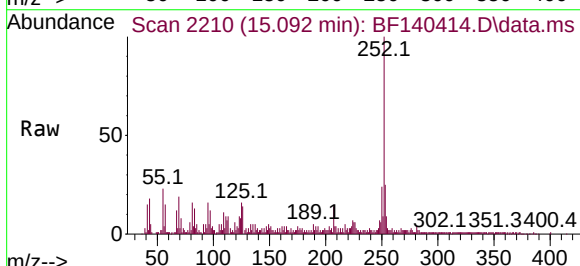
Tgt Ion:252 Resp: 98049

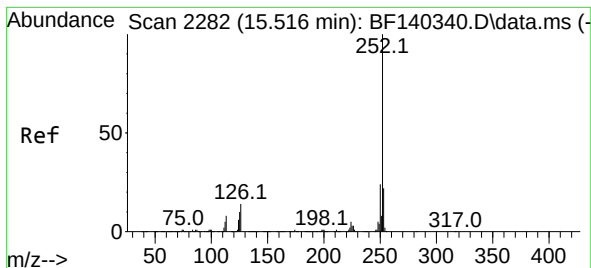
Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

125 15.5 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 6.112 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

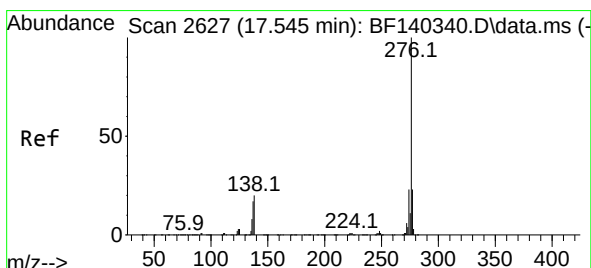
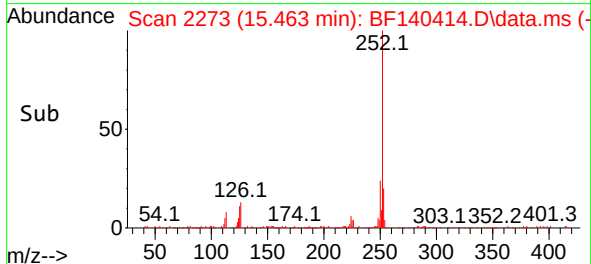
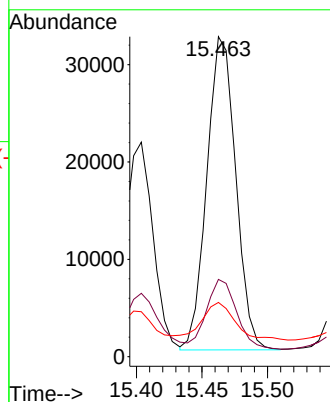
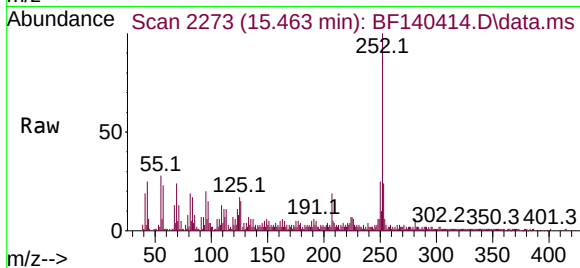
Tgt Ion:252 Resp: 49375

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 16.9 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 3.279 ng

RT: 17.480 min Scan# 2616

Delta R.T. -0.035 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Tgt Ion:276 Resp: 27220

Ion Ratio Lower Upper

276 100

277 27.3 18.6 28.0

138 22.6 16.0 24.0

