

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140071.D
 Acq On : 26 Oct 2024 20:33
 Operator : RC/JU
 Sample : P4545-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215

Quant Time: Oct 28 01:10:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

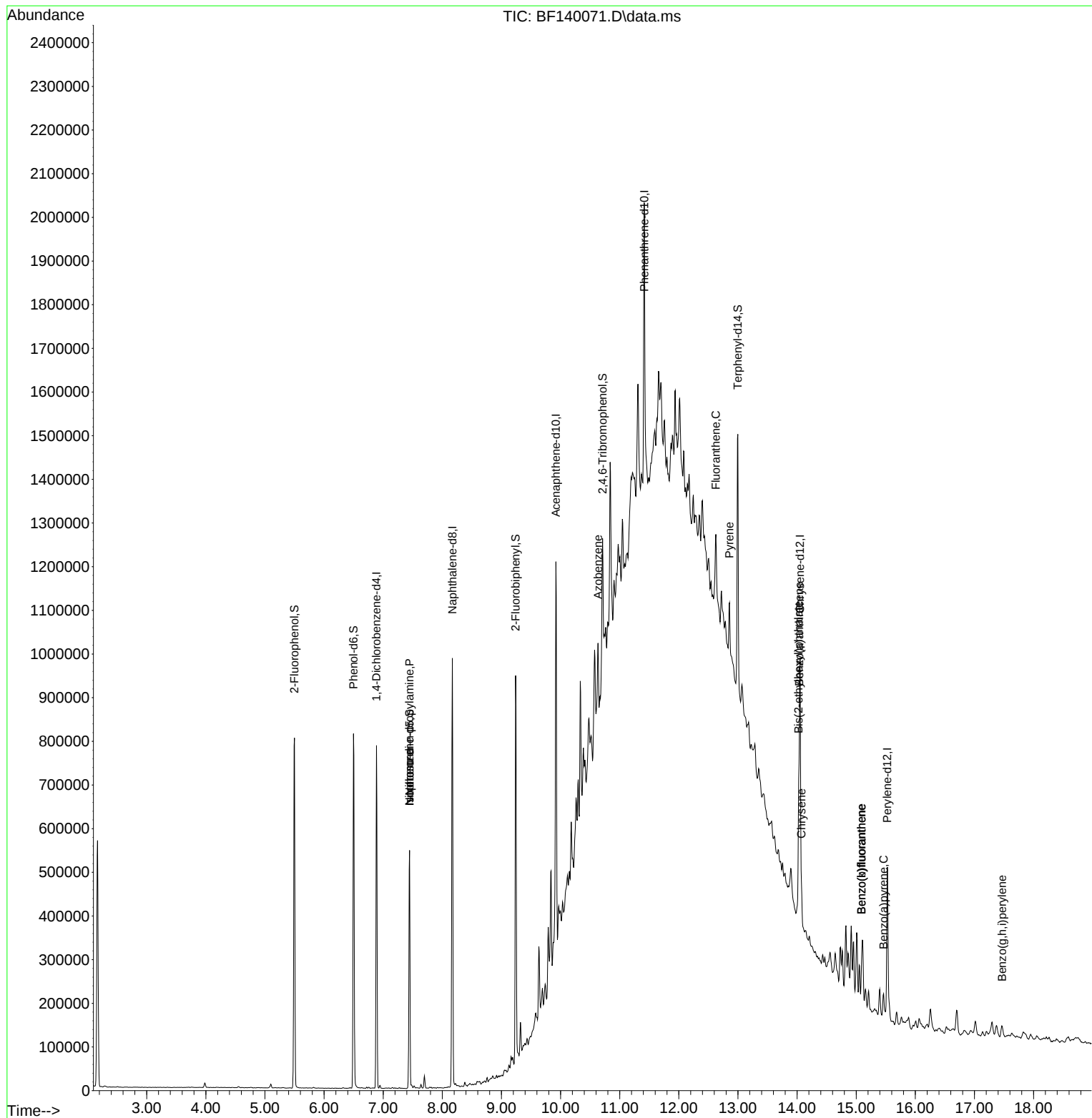
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	156039	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	577867	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	266450	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	350786	20.000	ng	0.00
76) Chrysene-d12	14.051	240	266263	20.000	ng	0.00
86) Perylene-d12	15.527	264	210921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	295864	29.683	ng	0.00
7) Phenol-d6	6.498	99	366336	28.377	ng	-0.01
23) Nitrobenzene-d5	7.445	82	233521	22.397	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	62883	25.231	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	411930	25.551	ng	-0.01
79) Terphenyl-d14	12.998	244	303213	18.556	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	31376	4.007	ng	# 76
25) Isophorone	7.445	82	231262	11.686	ng	# 67
63) Azobenzene	10.633	77	44913	2.600	ng	# 1
75) Fluoranthene	12.627	202	87309	5.212	ng	94
78) Pyrene	12.857	202	81824	3.511	ng	97
81) Benzo(a)anthracene	14.039	228	47710	2.753	ng	93
83) Chrysene	14.074	228	47670	3.000	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	107964	13.772	ng	99
88) Benzo(b)fluoranthene	15.092	252	79176	6.162	ng	# 93
89) Benzo(k)fluoranthene	15.092	252	79176	7.145	ng	# 93
90) Benzo(a)pyrene	15.462	252	37004	3.500	ng	# 93
92) Benzo(g,h,i)perylene	17.468	276	28239	2.498	ng	97

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

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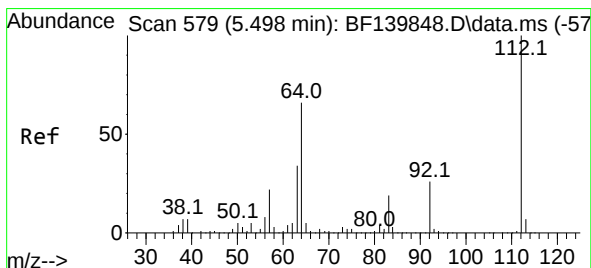
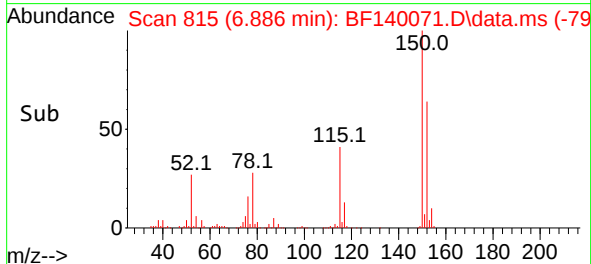
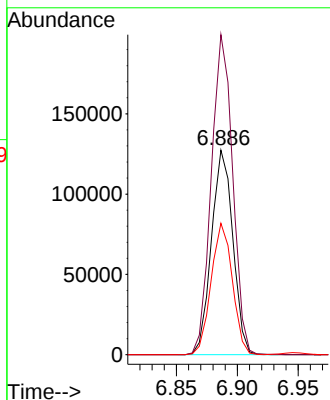
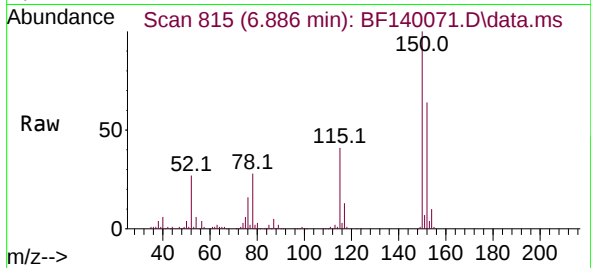




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

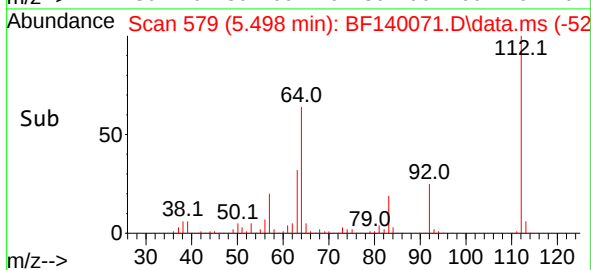
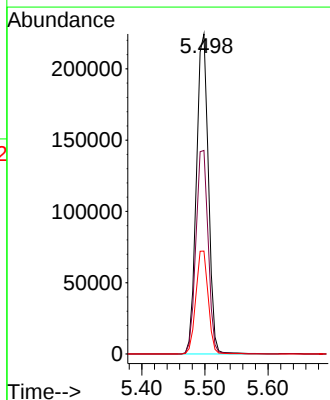
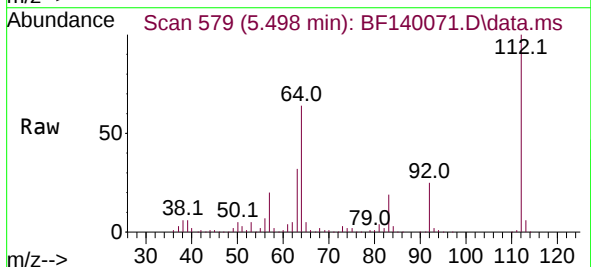
Instrument :
BNA_F
ClientSampleId :
VNJ-215

Tgt Ion:152 Resp: 156039
Ion Ratio Lower Upper
152 100
150 156.5 130.2 195.2
115 64.2 51.4 77.2



#5
2-Fluorophenol
Concen: 29.683 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

Tgt Ion:112 Resp: 295864
Ion Ratio Lower Upper
112 100
64 63.6 53.0 79.6
63 32.1 27.0 40.4

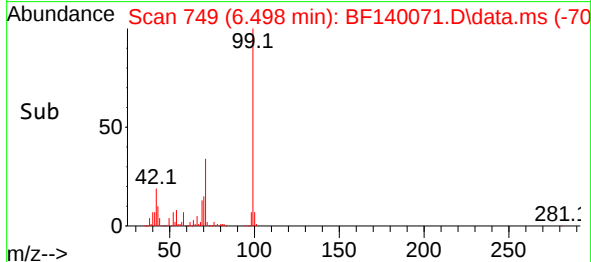
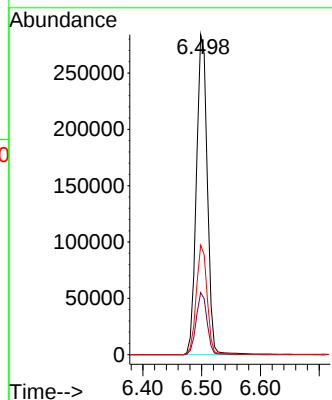
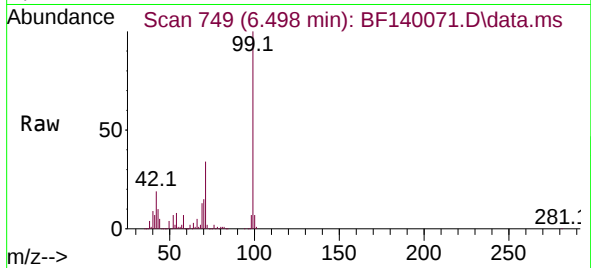




#7
Phenol-d6
Concen: 28.377 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

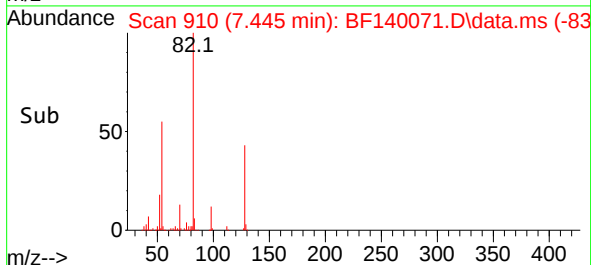
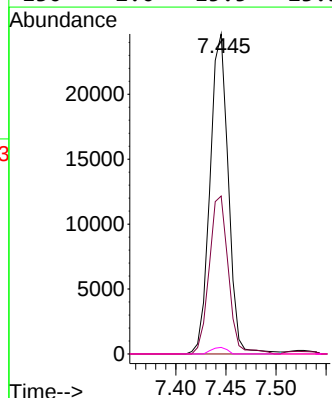
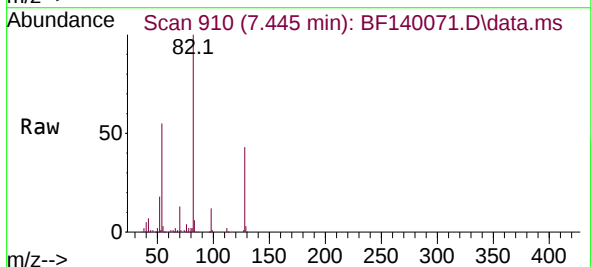
Instrument :
BNA_F
ClientSampleId :
VNJ-215

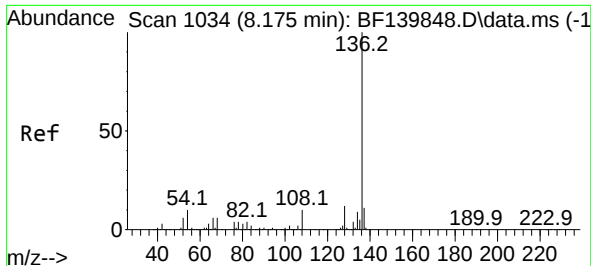
Tgt Ion: 99 Resp: 366336
Ion Ratio Lower Upper
99 100
42 19.4 16.7 25.1
71 34.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.007 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

Tgt Ion: 70 Resp: 31376
Ion Ratio Lower Upper
70 100
42 49.4 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



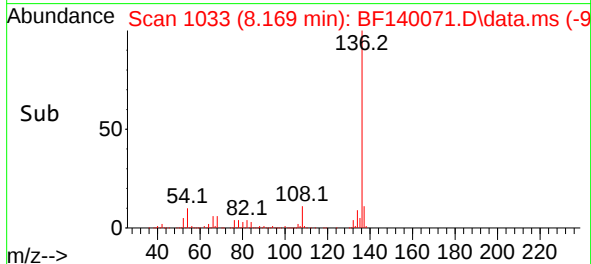
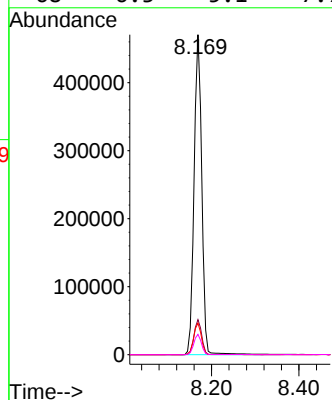
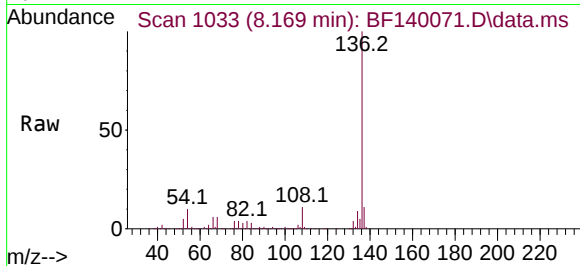


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

Instrument :
BNA_F
ClientSampleId :
VNJ-215

Tgt Ion:136 Resp: 577867

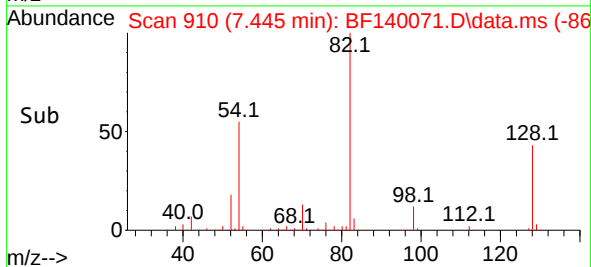
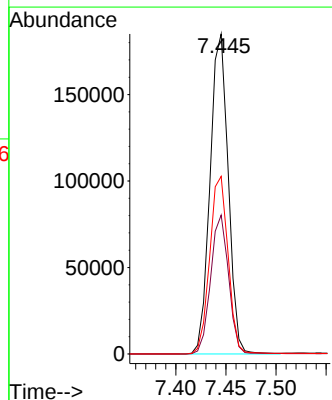
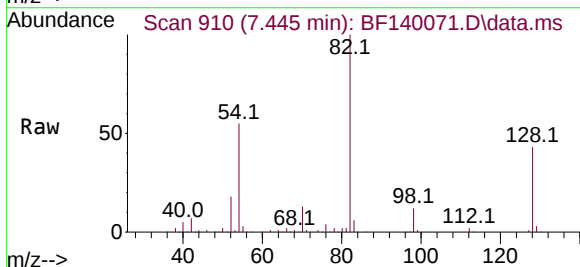
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	8.4	12.6
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 22.397 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

Tgt Ion: 82 Resp: 233521

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.0
54	55.5	47.8	71.8

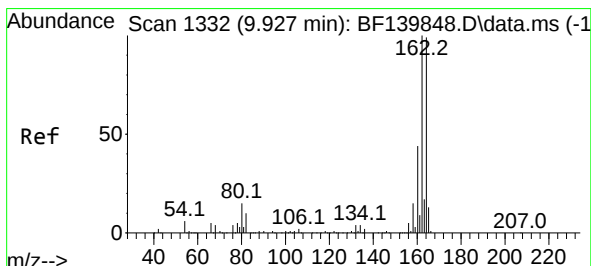
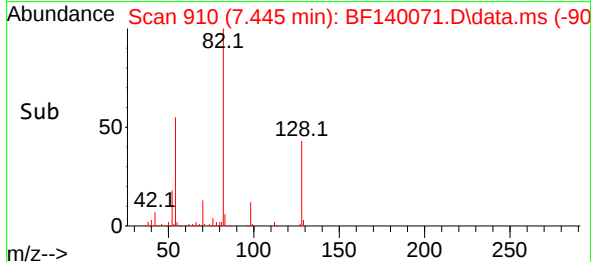
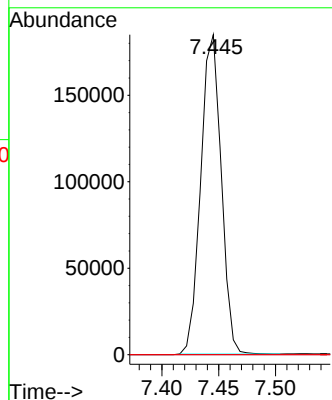
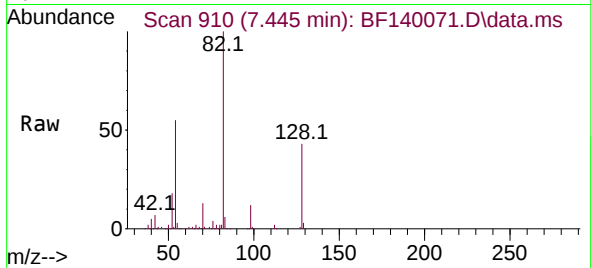




#25
Isophorone
Concen: 11.686 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

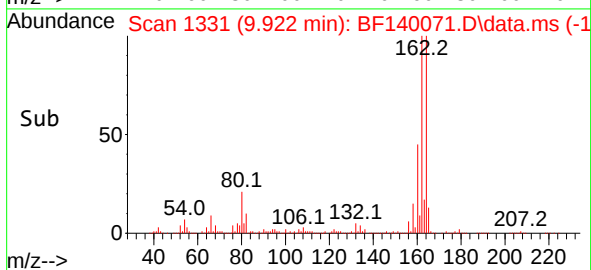
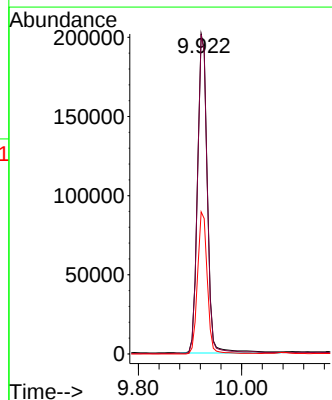
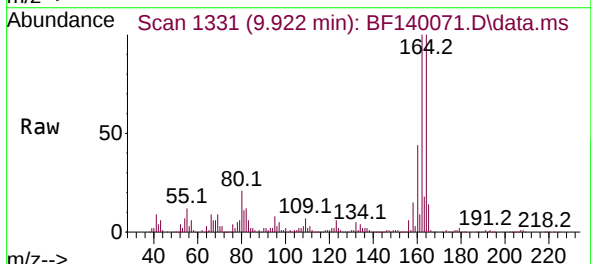
Instrument :
BNA_F
ClientSampleId :
VNJ-215

Tgt Ion: 82 Resp: 231262
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

Tgt Ion:164 Resp: 266450
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.4
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 25.231 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

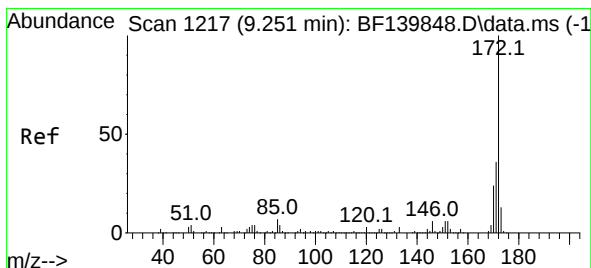
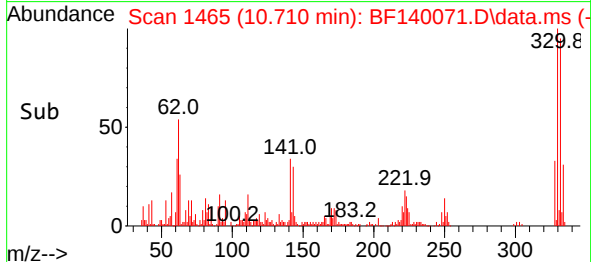
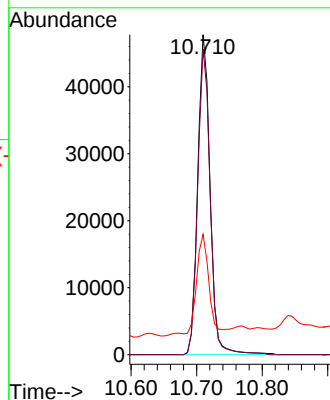
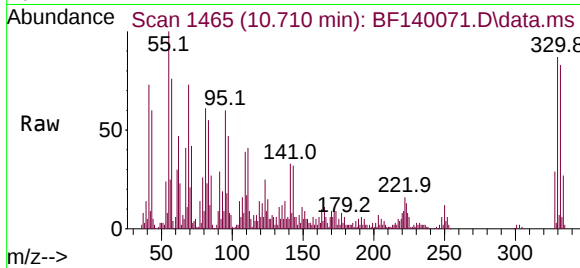
Tgt Ion:330 Resp: 62883

Ion Ratio Lower Upper

330 100

332 96.2 78.1 117.1

141 32.5 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 25.551 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

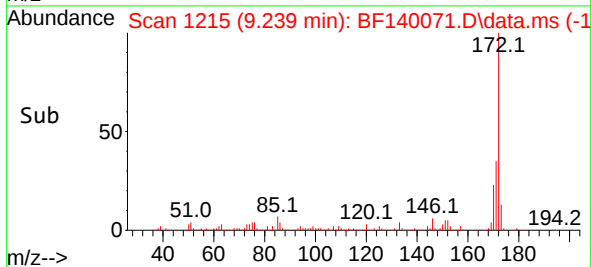
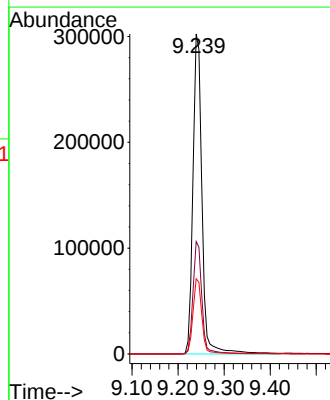
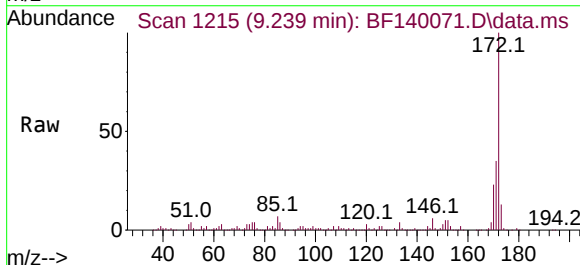
Tgt Ion:172 Resp: 411930

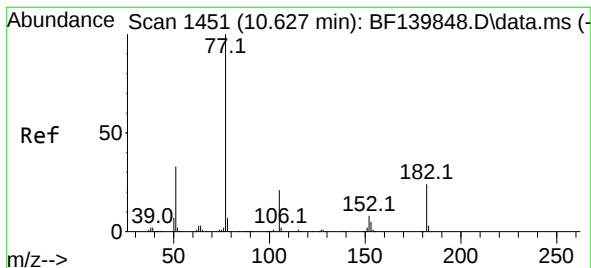
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.5 19.1 28.7





#63

Azobenzene

Concen: 2.600 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

Tgt Ion: 77 Resp: 44913

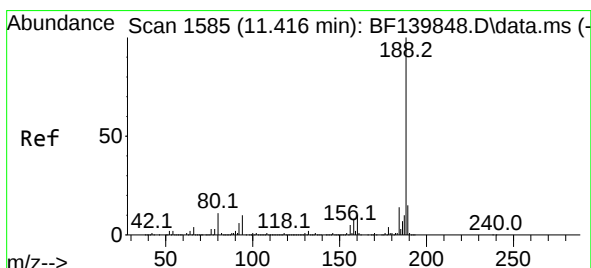
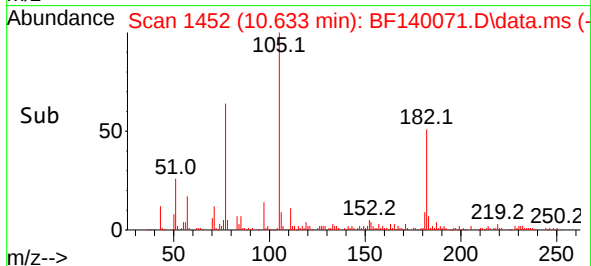
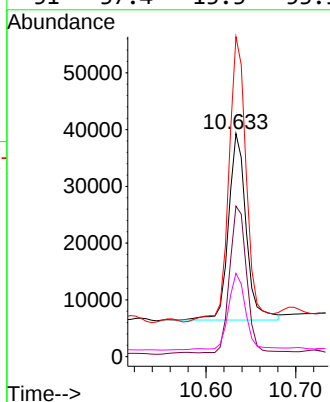
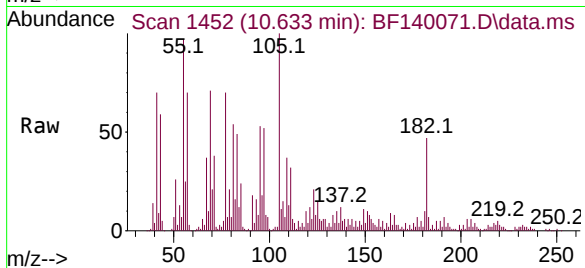
Ion Ratio Lower Upper

77 100

182 67.5 3.3 43.3#

105 143.4 1.2 41.2#

51 37.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

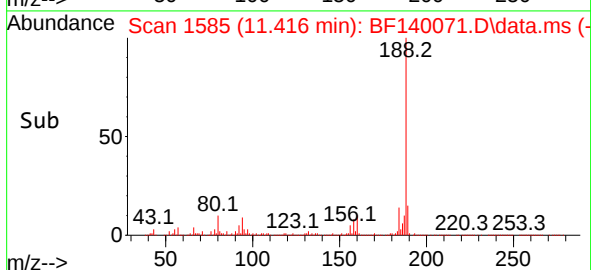
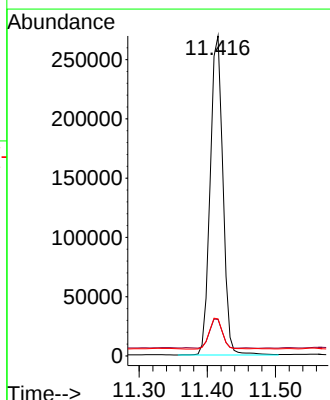
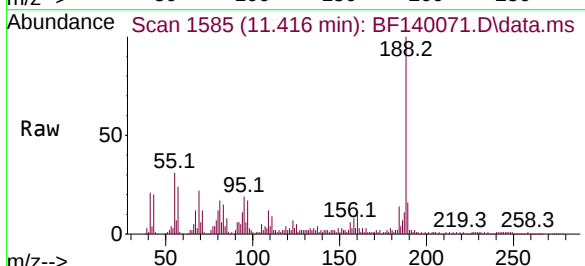
Tgt Ion:188 Resp: 350786

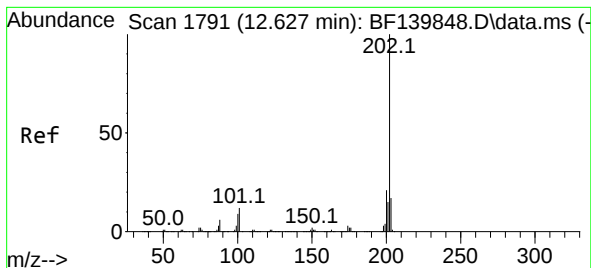
Ion Ratio Lower Upper

188 100

94 11.4 7.9 11.9

80 11.6 9.0 13.4





#75

Fluoranthene

Concen: 5.212 ng

RT: 12.627 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

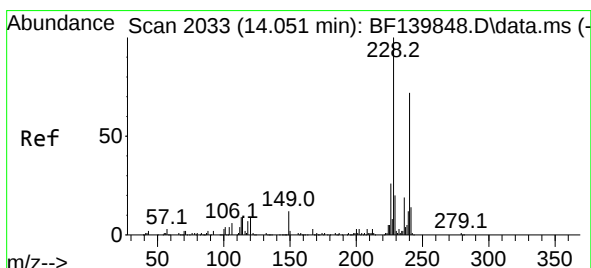
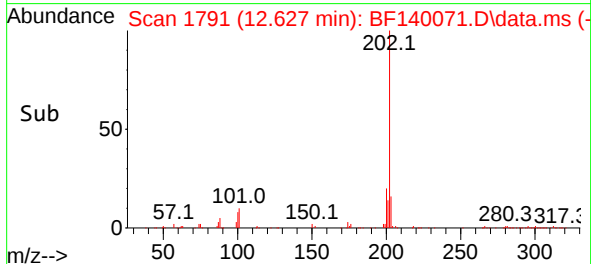
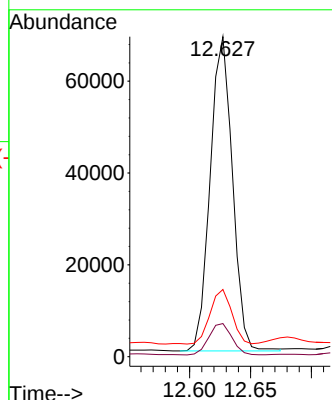
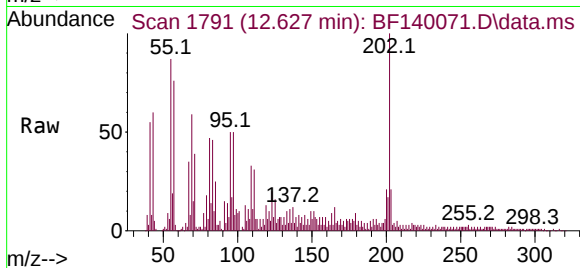
Tgt Ion:202 Resp: 87309

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.9

203 21.0 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

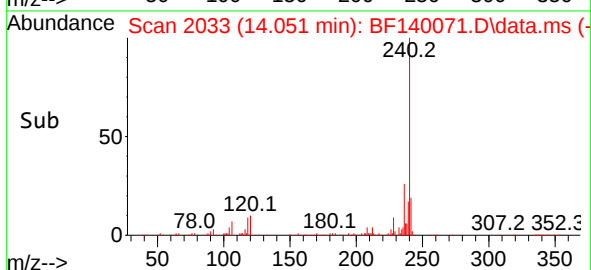
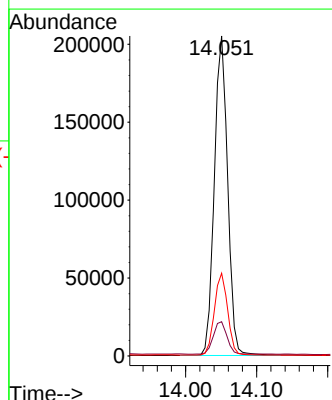
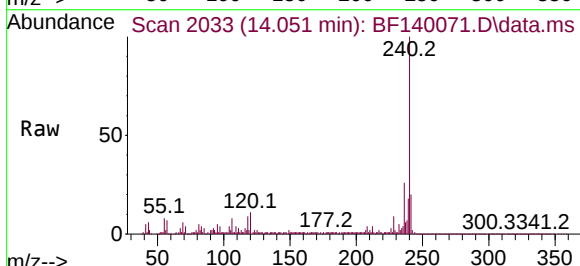
Tgt Ion:240 Resp: 266263

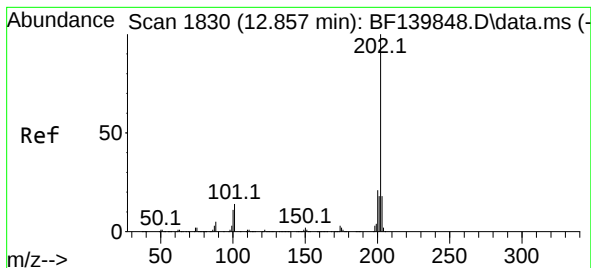
Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 25.8 20.9 31.3





#78

Pyrene

Concen: 3.511 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

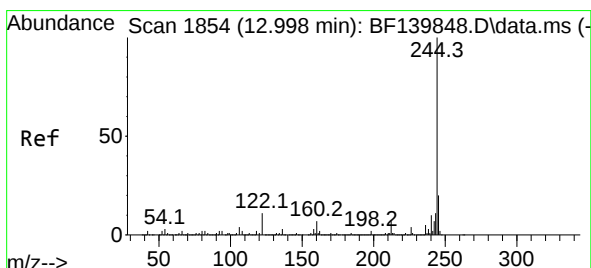
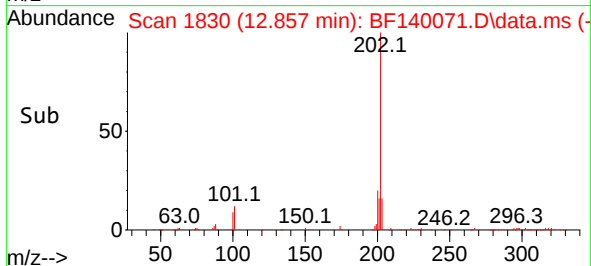
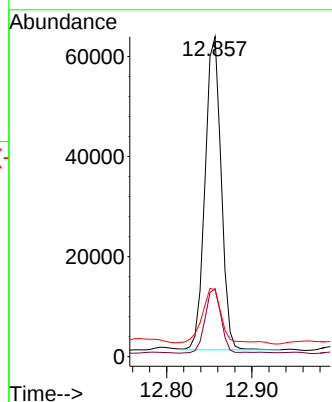
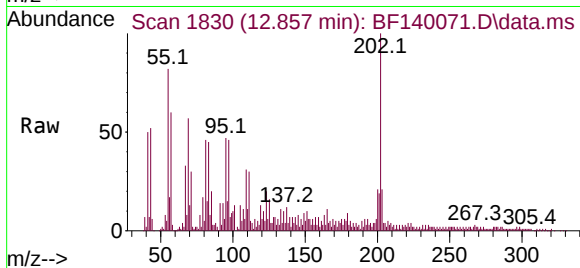
Tgt Ion:202 Resp: 81824

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 20.9 14.2 21.4



#79

Terphenyl-d14

Concen: 18.556 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

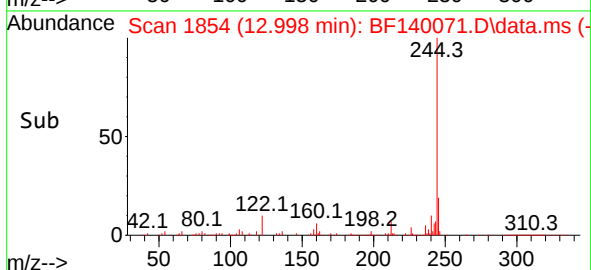
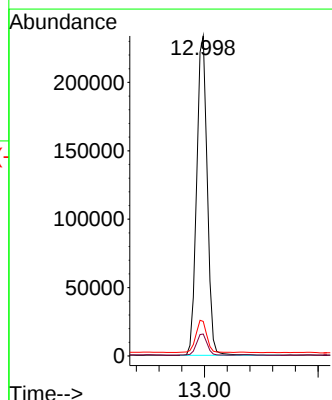
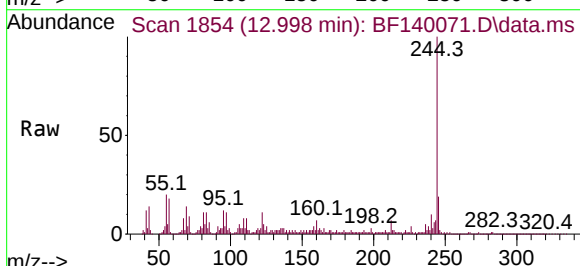
Tgt Ion:244 Resp: 303213

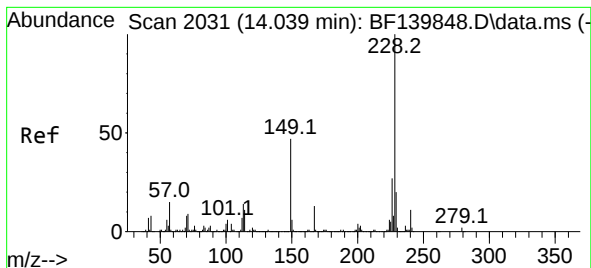
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.8 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.753 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

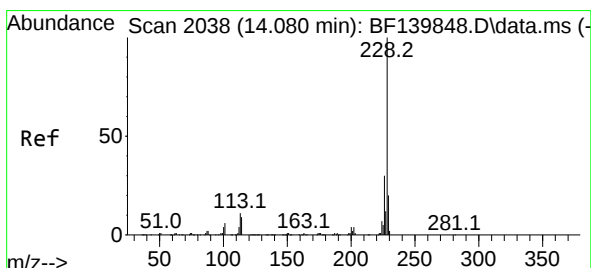
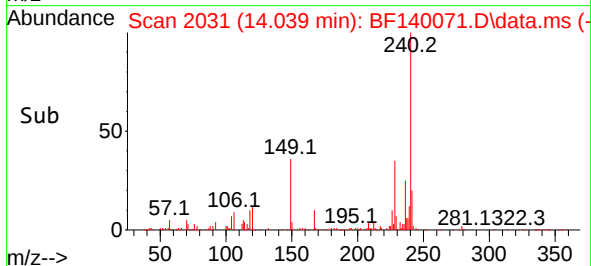
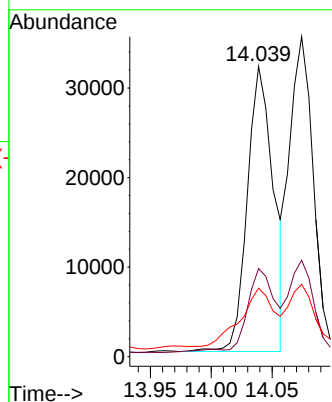
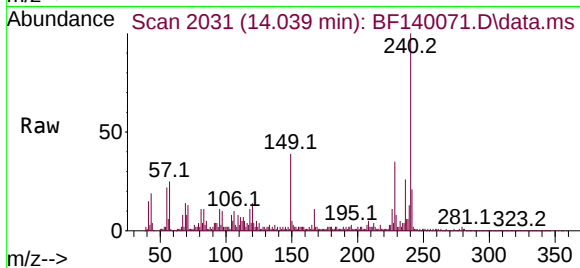
Tgt Ion:228 Resp: 47710

Ion Ratio Lower Upper

228 100

226 30.4 21.6 32.4

229 23.6 16.1 24.1



#83

Chrysene

Concen: 3.000 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

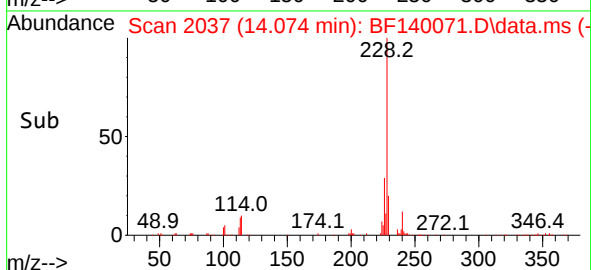
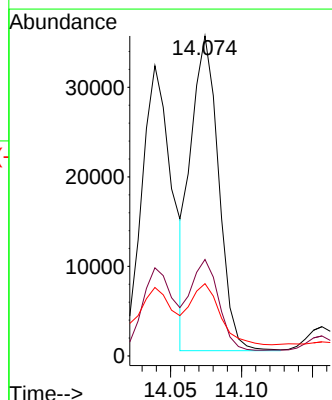
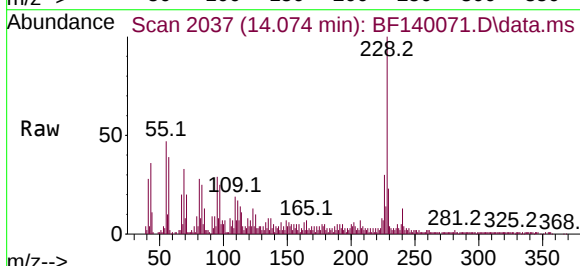
Tgt Ion:228 Resp: 47670

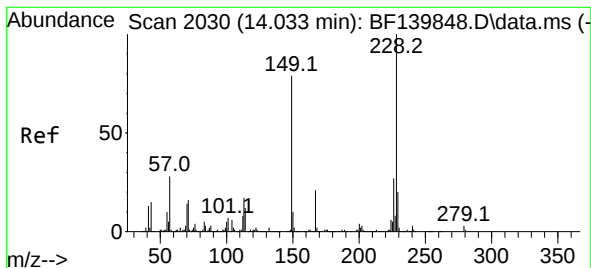
Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 22.6 15.8 23.6

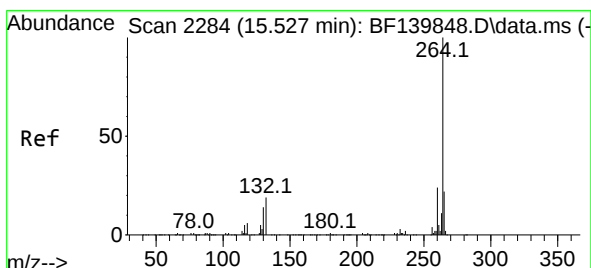
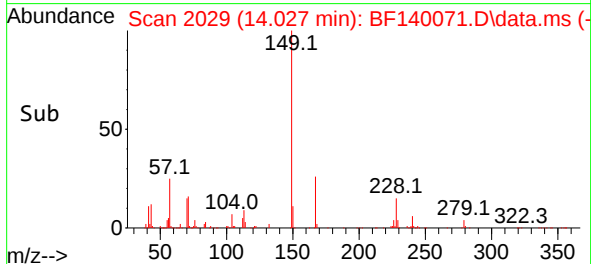
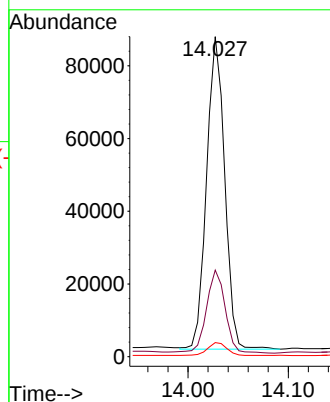
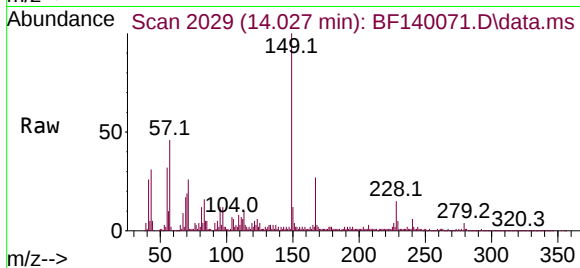




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.772 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

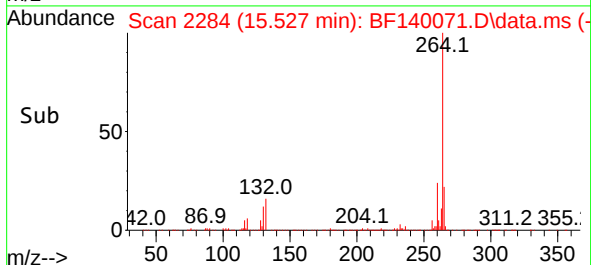
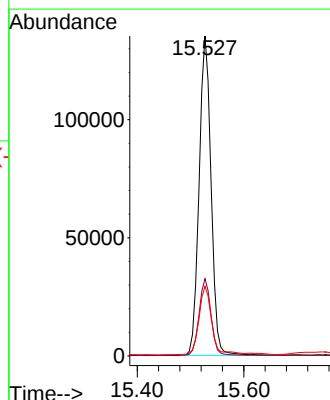
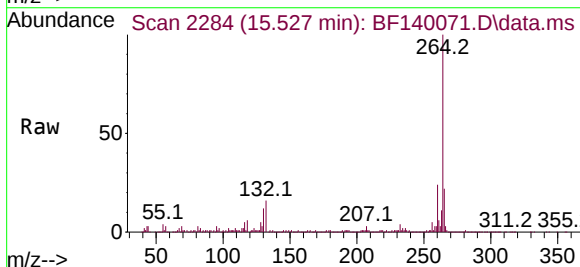
Instrument :
BNA_F
ClientSampleId :
VNJ-215

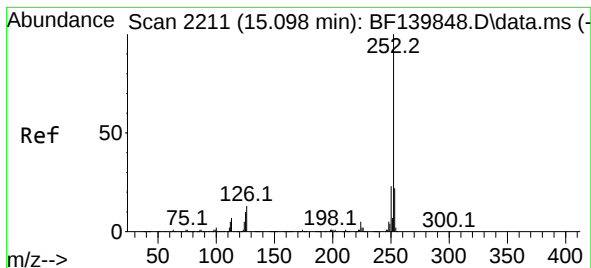
Tgt Ion:149 Resp: 107964
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 4.4 3.0 4.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140071.D
Acq: 26 Oct 2024 20:33

Tgt Ion:264 Resp: 210921
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 6.162 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

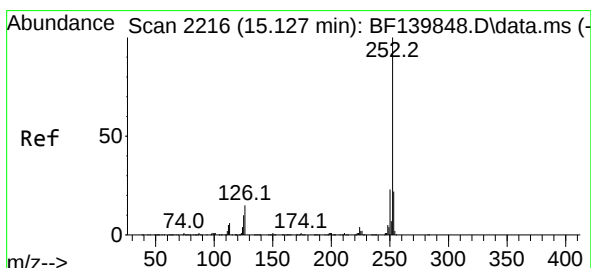
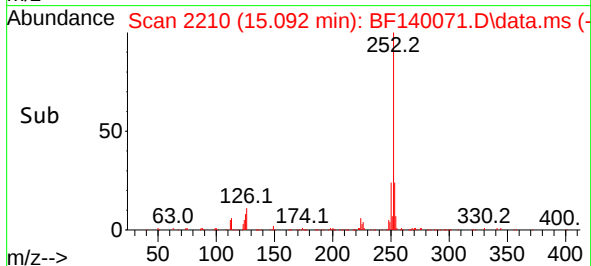
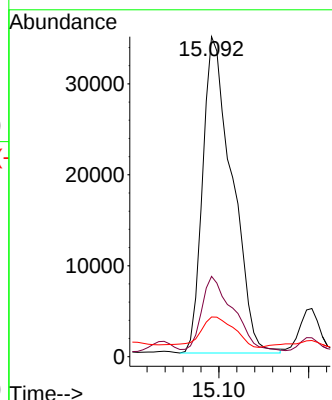
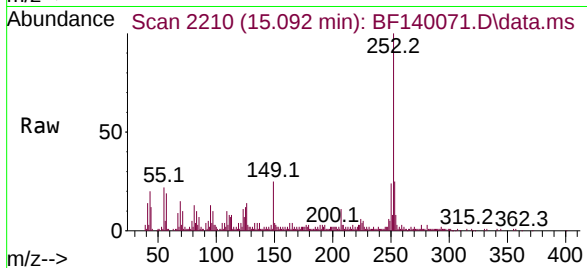
Tgt Ion:252 Resp: 79176

Ion Ratio Lower Upper

252 100

253 25.1 17.6 26.4

125 12.4 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 7.145 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

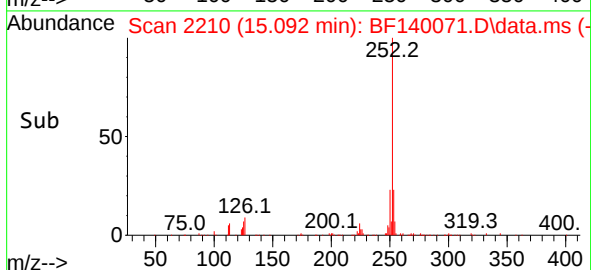
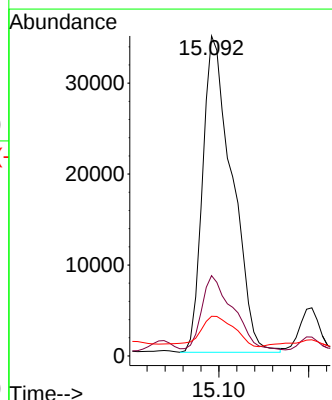
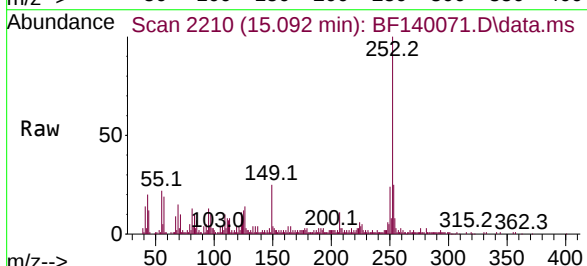
Tgt Ion:252 Resp: 79176

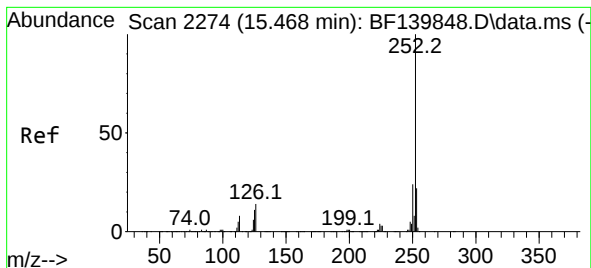
Ion Ratio Lower Upper

252 100

253 25.1 17.6 26.4

125 12.4 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 3.500 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Instrument :

BNA_F

ClientSampleId :

VNJ-215

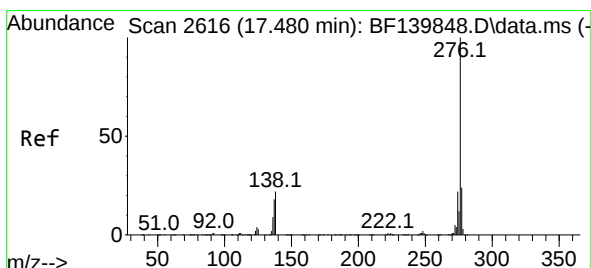
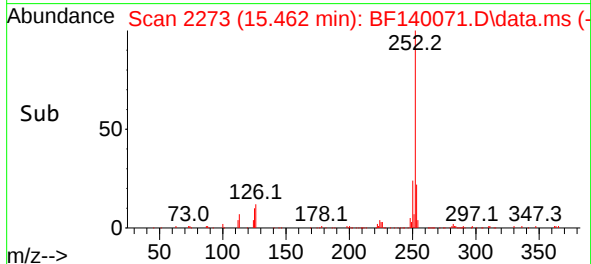
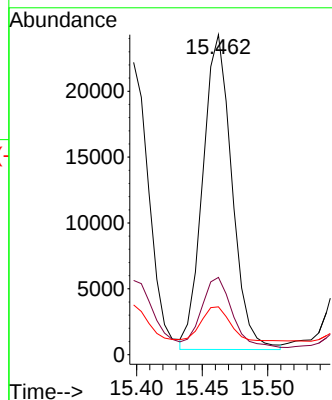
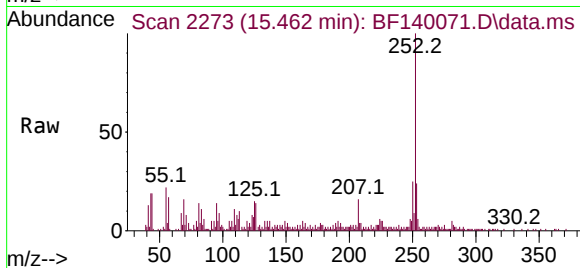
Tgt Ion:252 Resp: 37004

Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

125 14.9 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.498 ng

RT: 17.468 min Scan# 2614

Delta R.T. -0.012 min

Lab File: BF140071.D

Acq: 26 Oct 2024 20:33

Tgt Ion:276 Resp: 28239

Ion Ratio Lower Upper

276 100

277 26.2 19.0 28.6

138 22.3 17.4 26.0

