

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139915.D
 Acq On : 21 Oct 2024 21:01
 Operator : RC/JU
 Sample : P4455-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-101824

Quant Time: Oct 22 01:21:01 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)

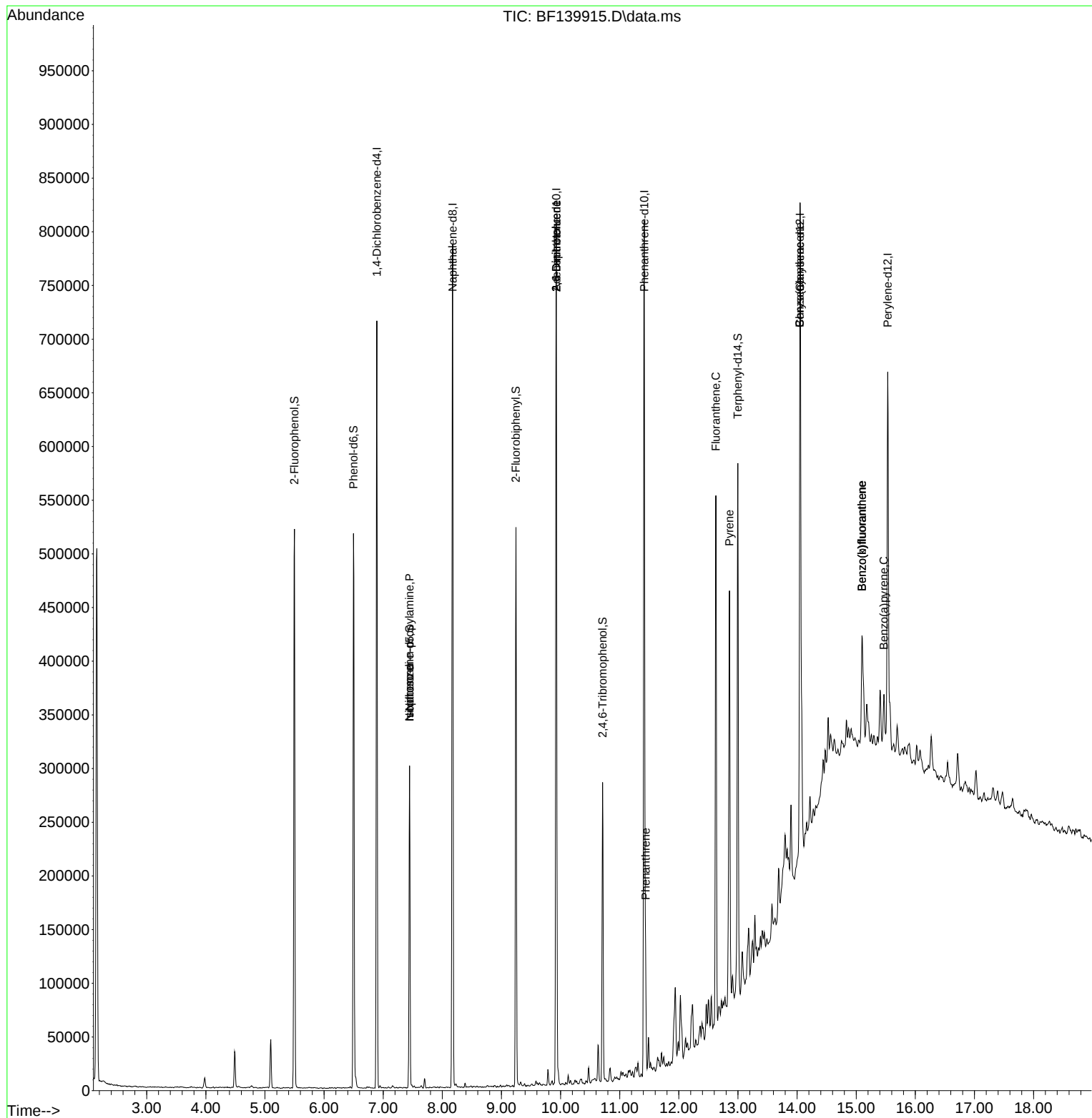
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	142497	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	471931	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	230288	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	416244	20.000	ng	0.00
76) Chrysene-d12	14.051	240	254305	20.000	ng	0.00
86) Perylene-d12	15.533	264	213719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	185550	20.385	ng	0.00
7) Phenol-d6	6.498	99	225548	19.132	ng	-0.01
23) Nitrobenzene-d5	7.445	82	120036	14.097	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	42966	19.947	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	221929	15.927	ng	0.00
79) Terphenyl-d14	12.998	244	229371	14.697	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.445	70	15464	2.163	ng	# 80
25) Isophorone	7.445	82	119717	7.408	ng	# 67
51) 2,6-Dinitrotoluene	9.927	165	30295	9.754	ng	# 22
57) 2,4-Dinitrotoluene	9.927	165	30295	7.932	ng	# 21
71) Phenanthrene	11.439	178	61233	3.114	ng	98
75) Fluoranthene	12.627	202	266561	13.411	ng	100
78) Pyrene	12.857	202	215392	9.676	ng	98
81) Benzo(a)anthracene	14.045	228	61794	3.733	ng	93
83) Chrysene	14.045	228	61794	4.071	ng	97
88) Benzo(b)fluoranthene	15.098	252	81512	6.261	ng	# 88
89) Benzo(k)fluoranthene	15.098	252	81512	7.260	ng	# 88
90) Benzo(a)pyrene	15.468	252	30302	2.829	ng	# 85

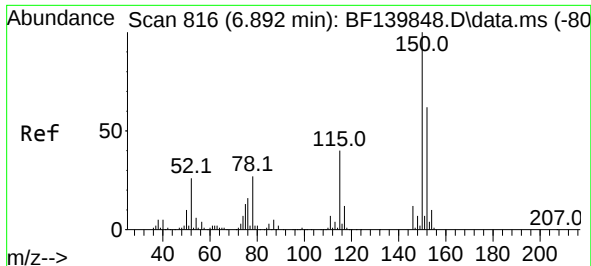
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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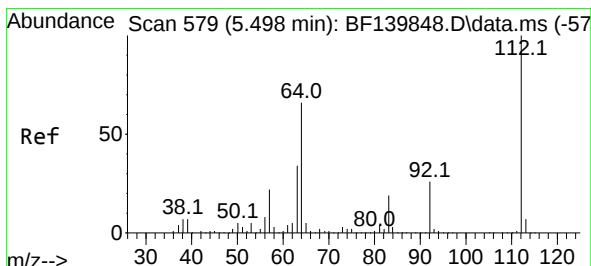
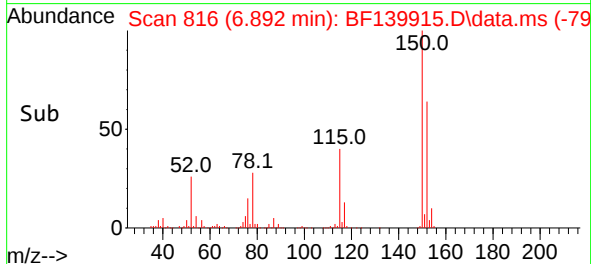
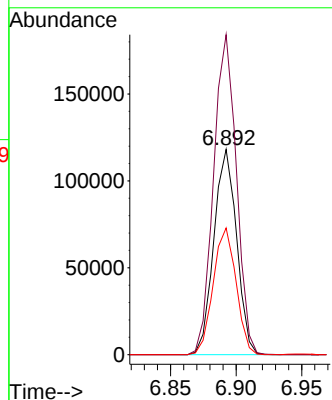
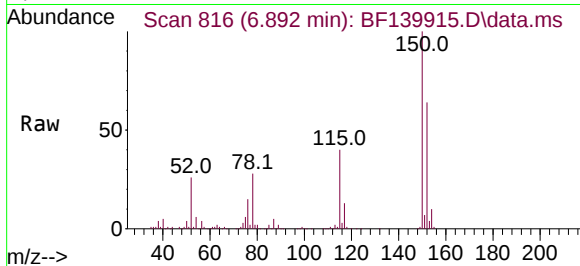




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

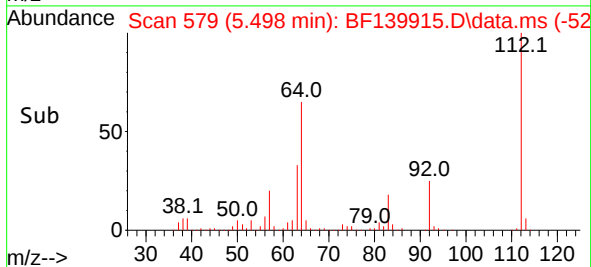
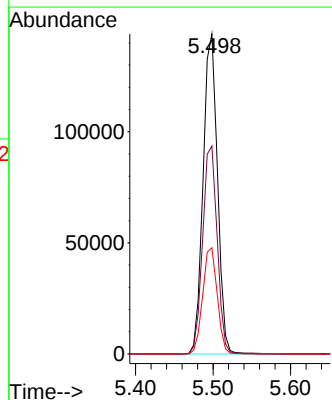
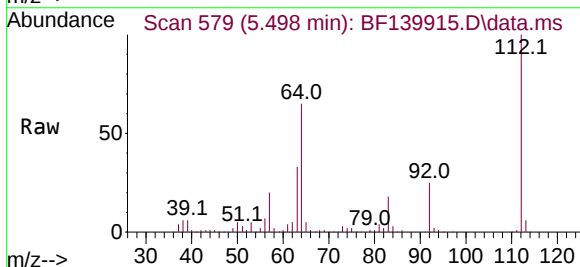
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

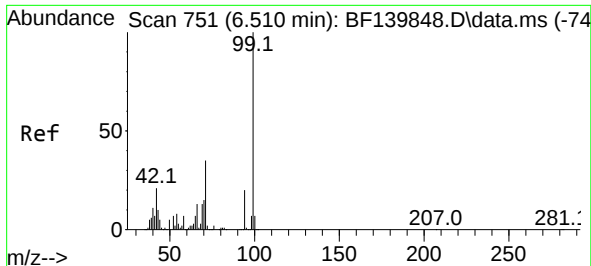
Tgt Ion:152 Resp: 142497
Ion Ratio Lower Upper
152 100
150 155.9 130.2 195.2
115 61.8 51.4 77.2



#5
2-Fluorophenol
Concen: 20.385 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion:112 Resp: 185550
Ion Ratio Lower Upper
112 100
64 65.0 53.0 79.6
63 33.2 27.0 40.4

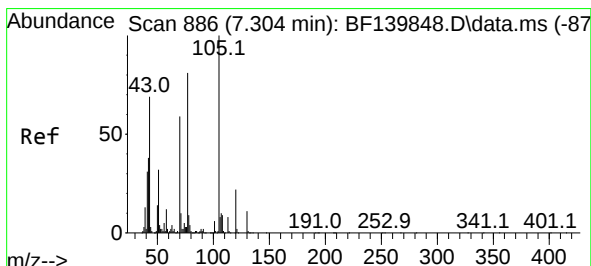
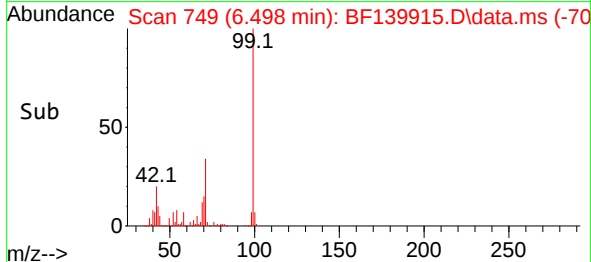
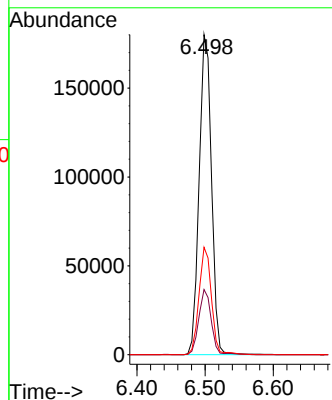
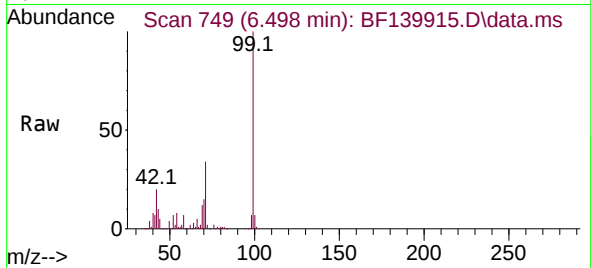




#7
Phenol-d6
Concen: 19.132 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

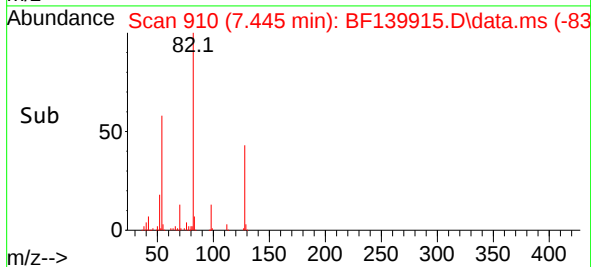
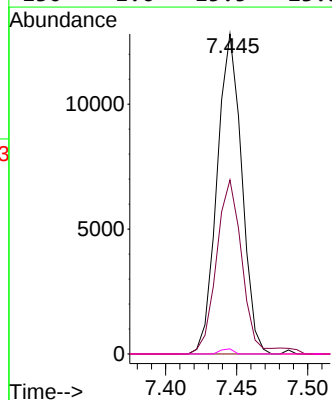
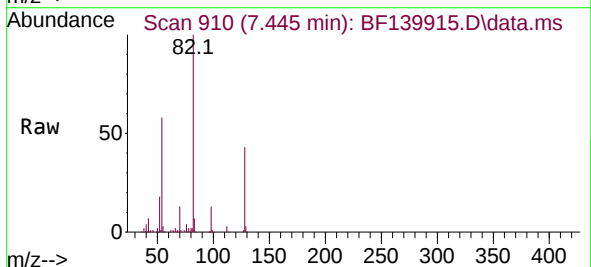
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

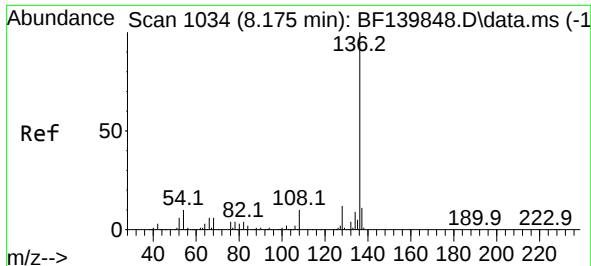
Tgt Ion: 99 Resp: 225548
Ion Ratio Lower Upper
99 100
42 20.4 16.7 25.1
71 33.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.163 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion: 70 Resp: 15464
Ion Ratio Lower Upper
70 100
42 54.4 51.5 77.3
101 0.0 7.5 11.3#
130 1.6 15.5 23.3#

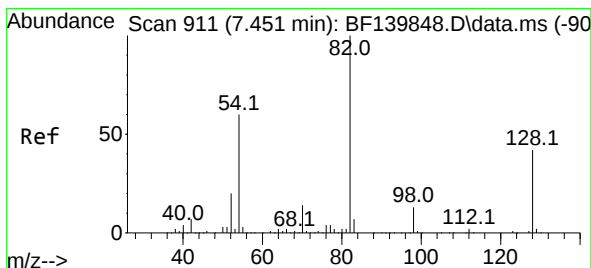
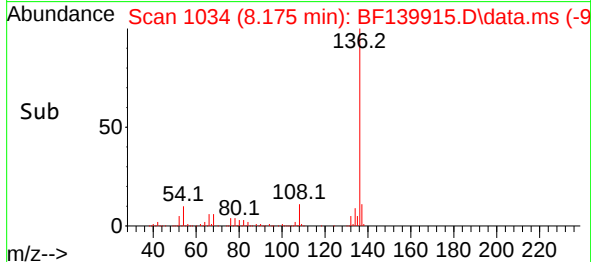
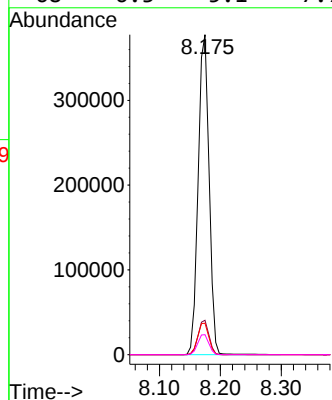
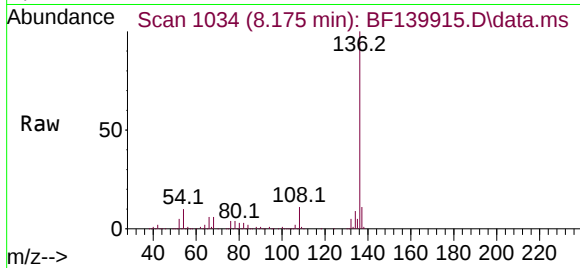




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

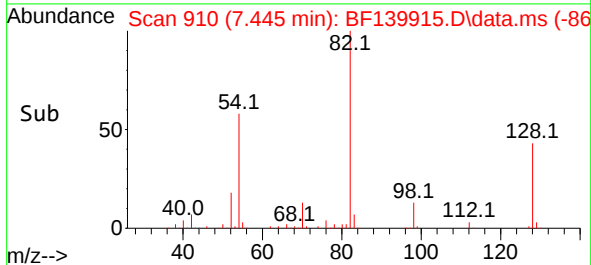
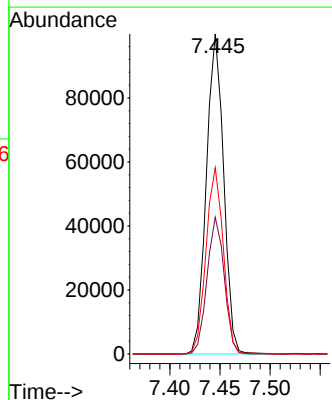
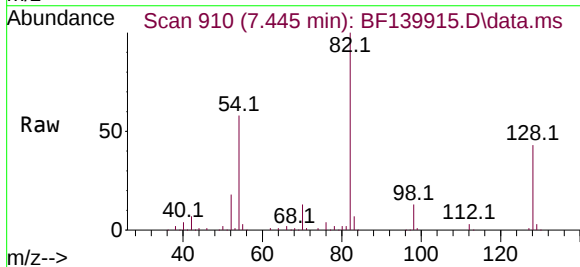
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

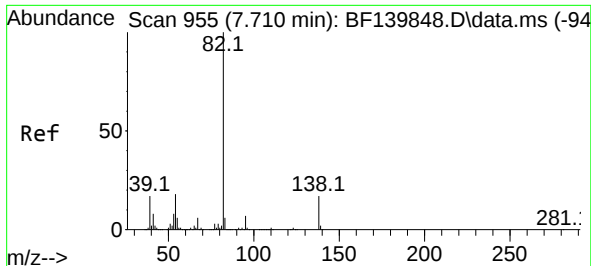
Tgt Ion:136 Resp: 471931
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.8 8.4 12.6
68 6.3 5.1 7.7



#23
Nitrobenzene-d5
Concen: 14.097 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion: 82 Resp: 120036
Ion Ratio Lower Upper
82 100
128 42.7 33.4 50.0
54 58.2 47.8 71.8

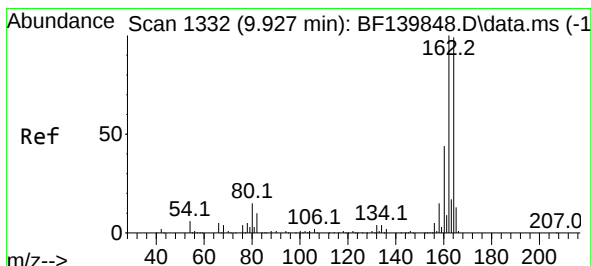
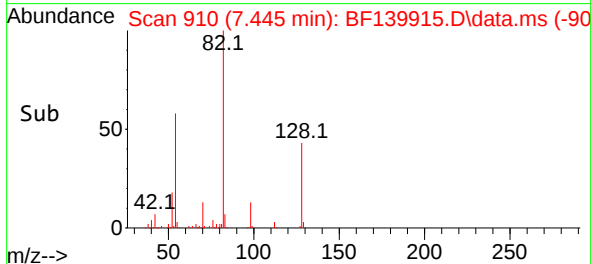
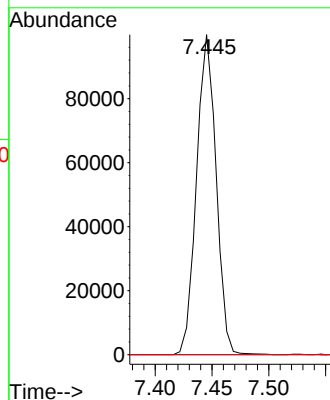
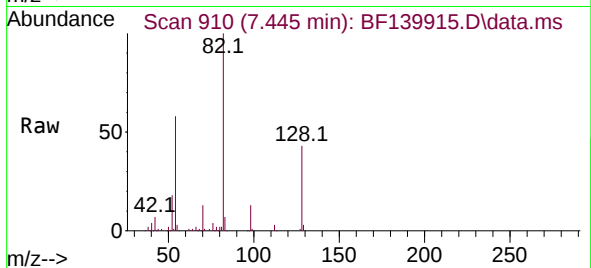




#25
Isophorone
Concen: 7.408 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

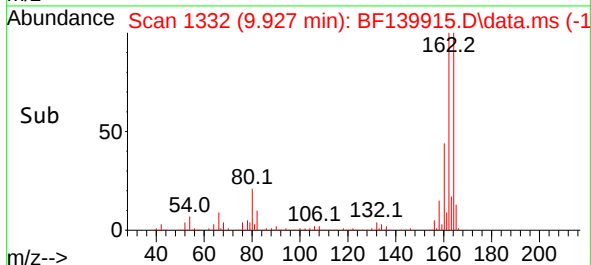
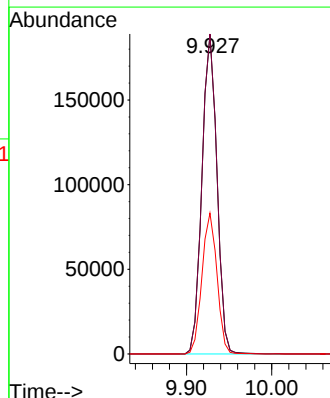
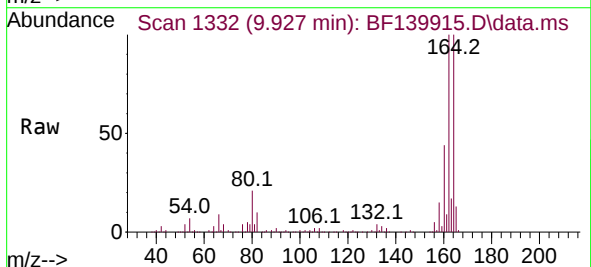
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

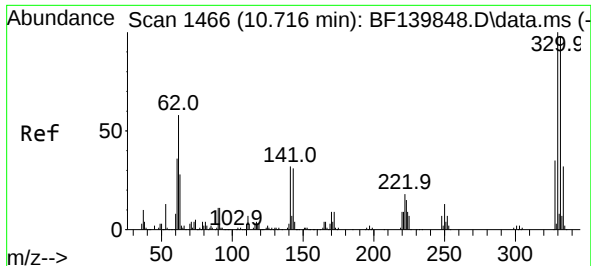
Tgt Ion: 82 Resp: 119717
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

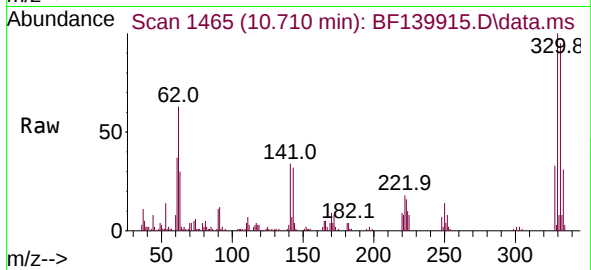
Tgt Ion: 164 Resp: 230288
Ion Ratio Lower Upper
164 100
162 100.2 81.0 121.4
160 44.1 35.4 53.0



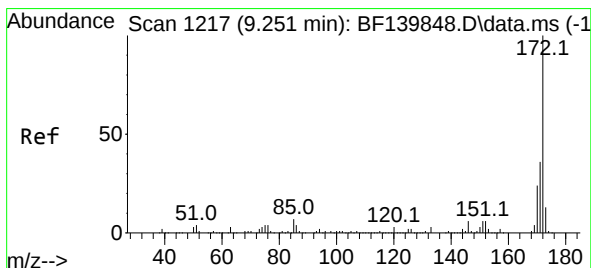
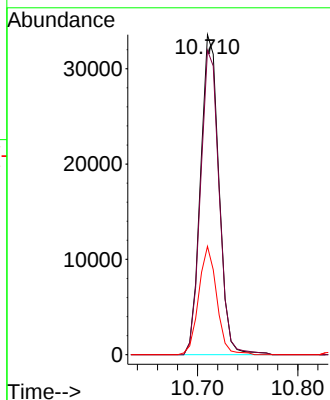
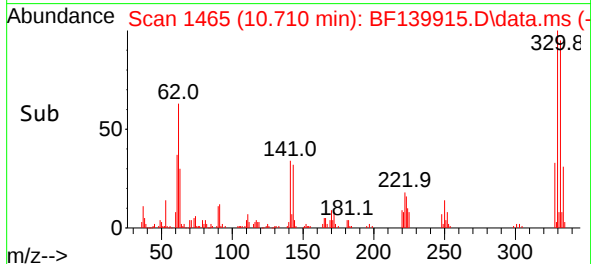


#42
2,4,6-Tribromophenol
Concen: 19.947 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Instrument :
BNA_F
ClientSampleId :
SU-4-101824

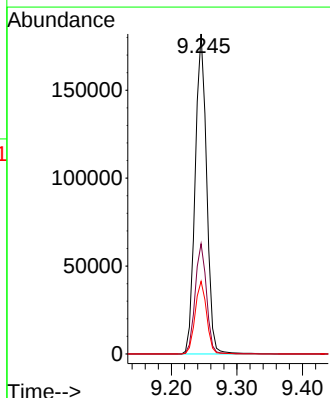
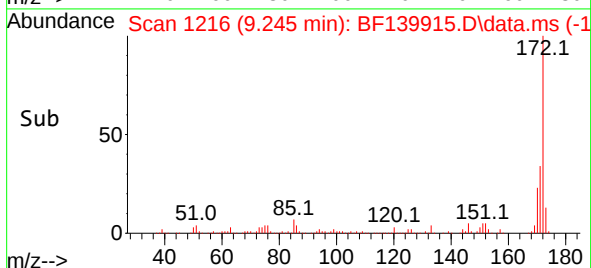
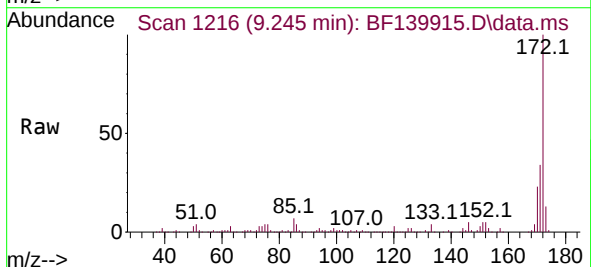


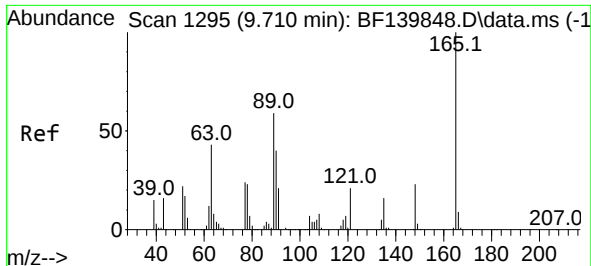
Tgt Ion: 330 Resp: 42966
Ion Ratio Lower Upper
330 100
332 96.1 78.1 117.1
141 33.1 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 15.927 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion: 172 Resp: 221929
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.7 19.1 28.7

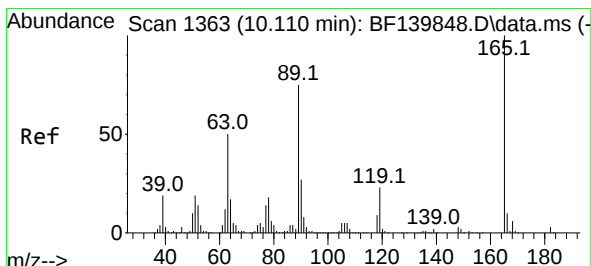
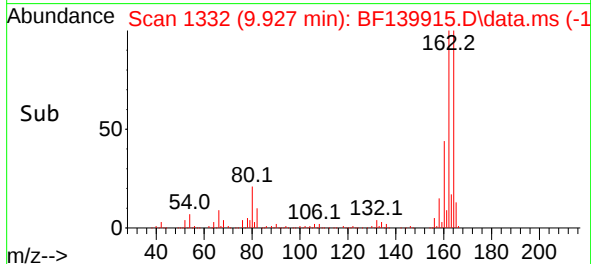
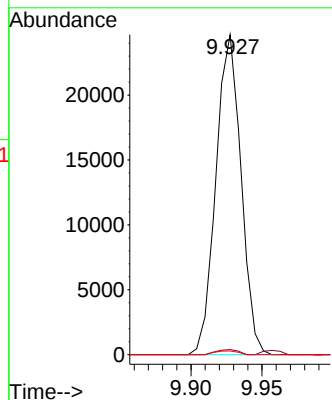
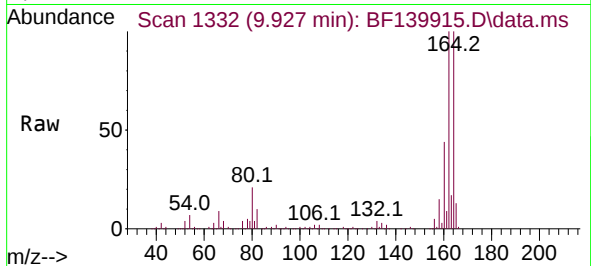




#51
2,6-Dinitrotoluene
Concen: 9.754 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

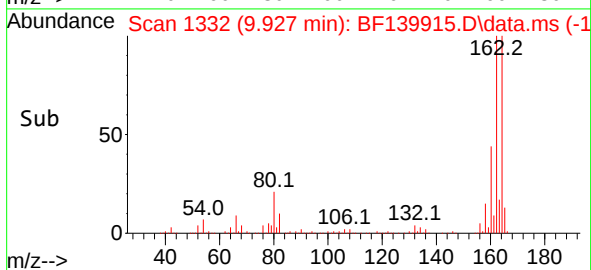
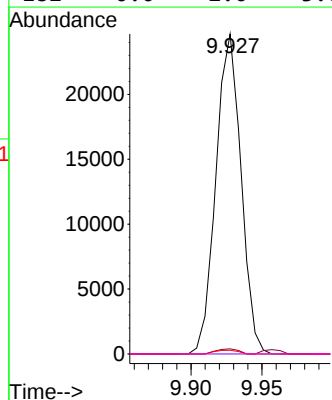
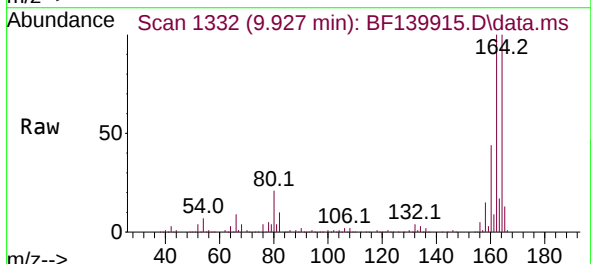
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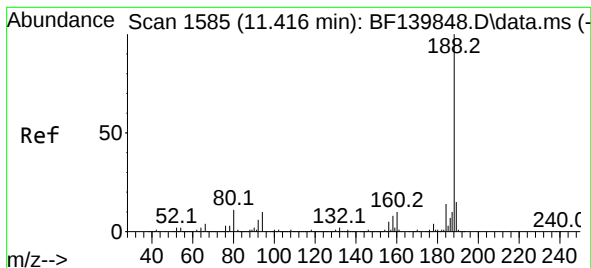
Tgt Ion:165 Resp: 30295
Ion Ratio Lower Upper
165 100
63 1.6 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.932 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion:165 Resp: 30295
Ion Ratio Lower Upper
165 100
63 1.6 40.1 60.1#
89 1.1 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

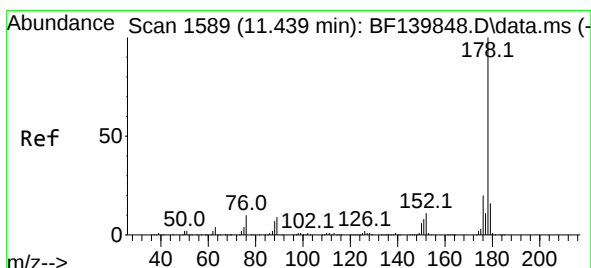
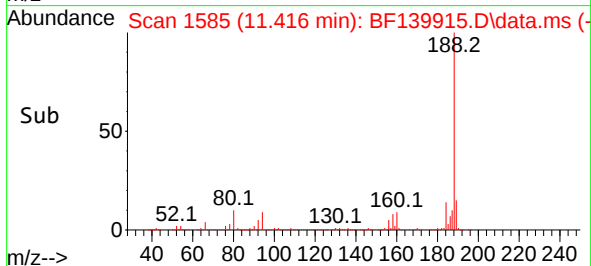
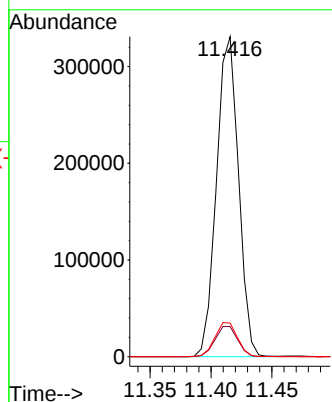
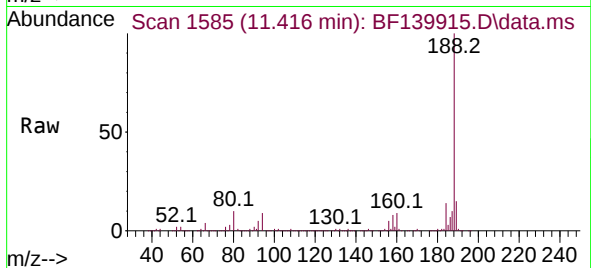
Tgt Ion:188 Resp: 416244

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.5 9.0 13.4



#71

Phenanthrene

Concen: 3.114 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

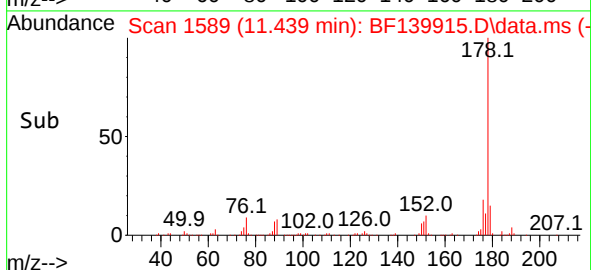
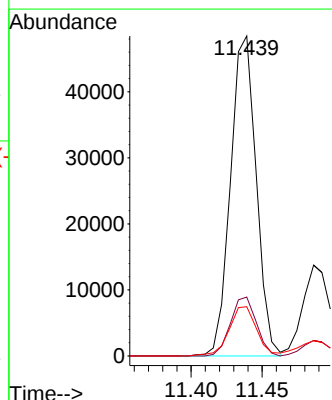
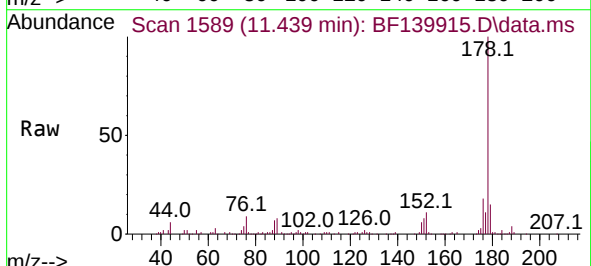
Tgt Ion:178 Resp: 61233

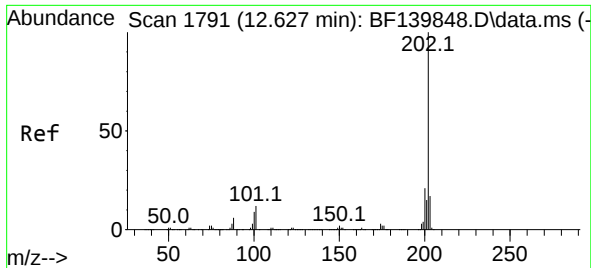
Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

179 15.4 12.6 18.8

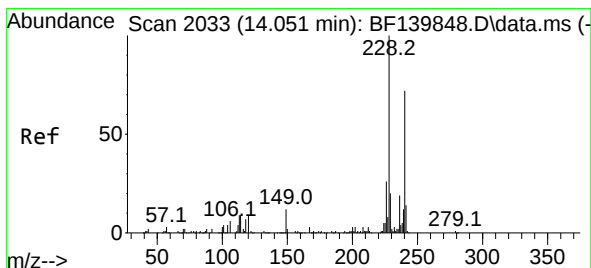
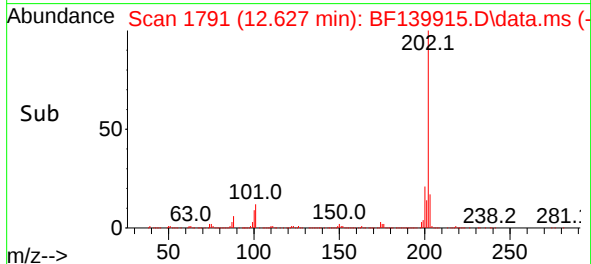
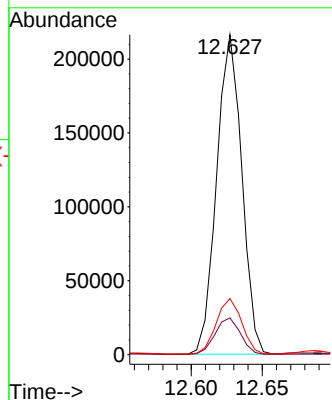
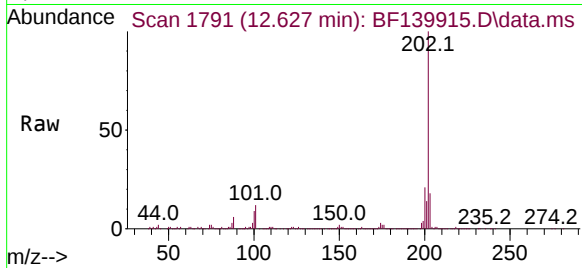




#75
Fluoranthene
Concen: 13.411 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

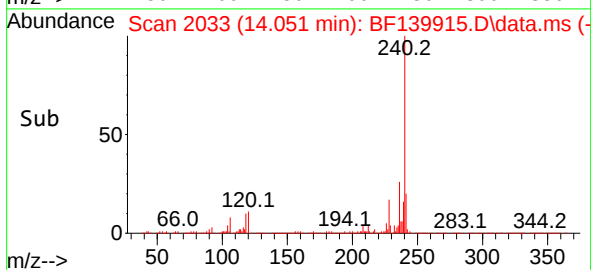
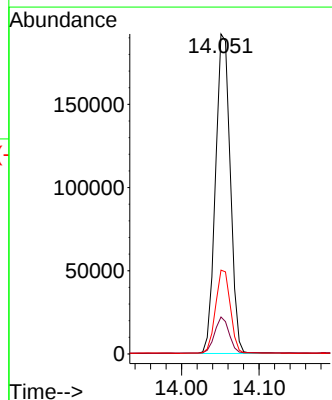
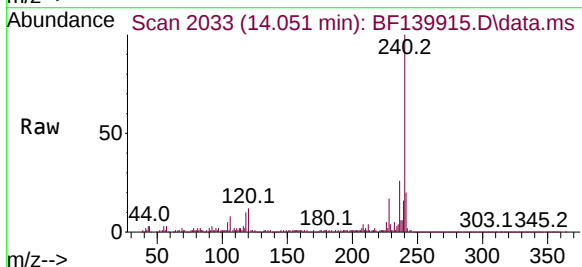
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

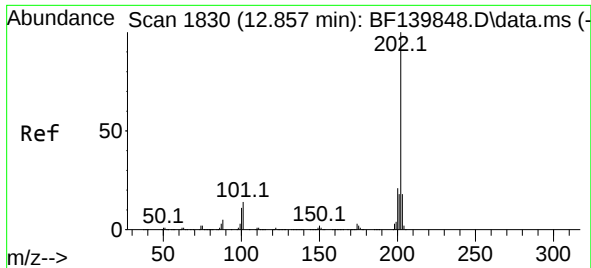
Tgt Ion:202 Resp: 266561
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion:240 Resp: 254305
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 26.2 20.9 31.3

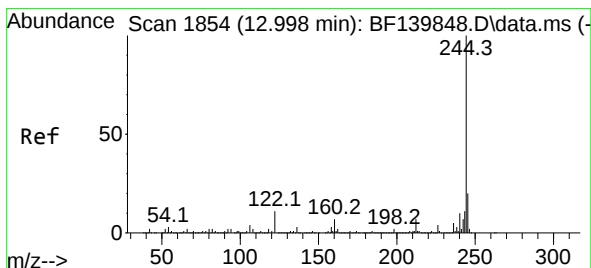
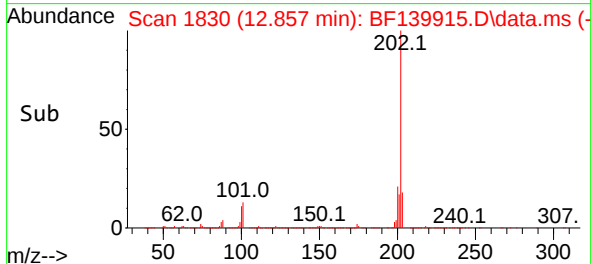
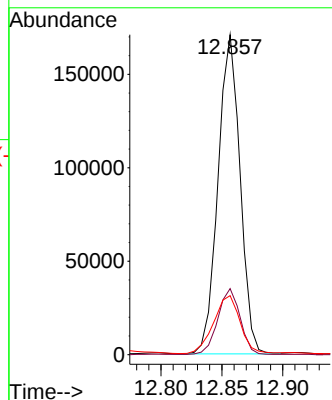
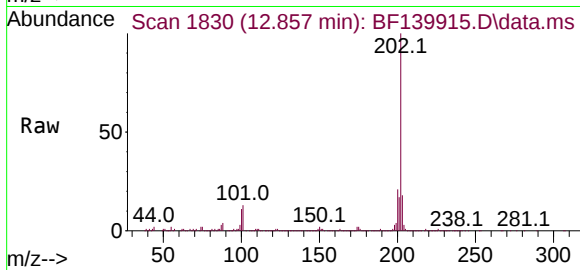




#78
 Pyrene
 Concen: 9.676 ng
 RT: 12.857 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: BF139915.D
 Acq: 21 Oct 2024 21:01

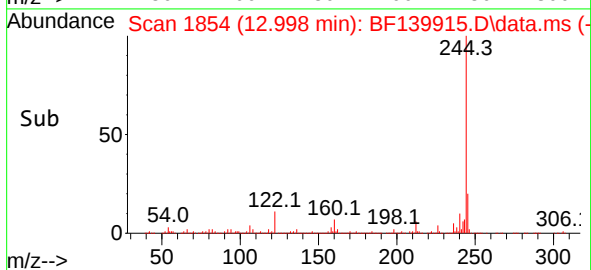
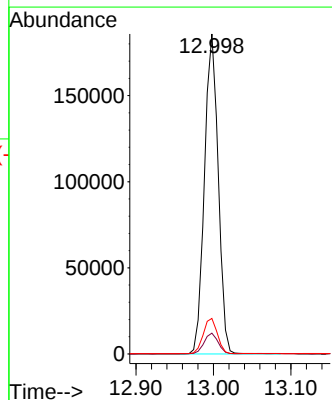
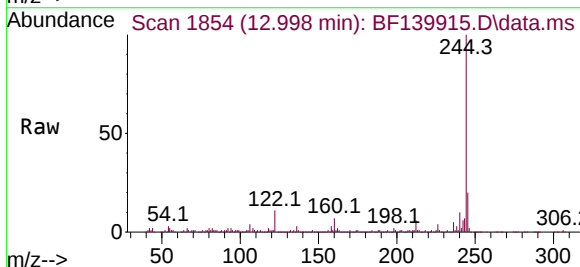
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-101824

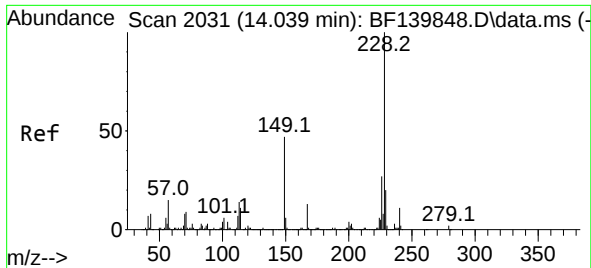
Tgt Ion:202 Resp: 215392
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.2 25.8
 203 18.5 14.2 21.4



#79
 Terphenyl-d14
 Concen: 14.697 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139915.D
 Acq: 21 Oct 2024 21:01

Tgt Ion:244 Resp: 229371
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 11.1 8.6 13.0

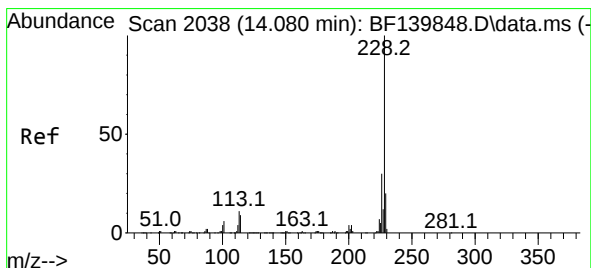
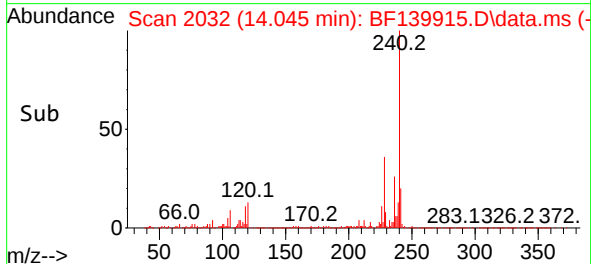
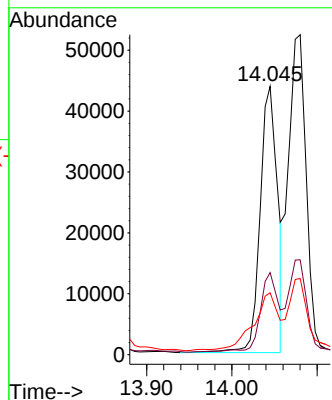
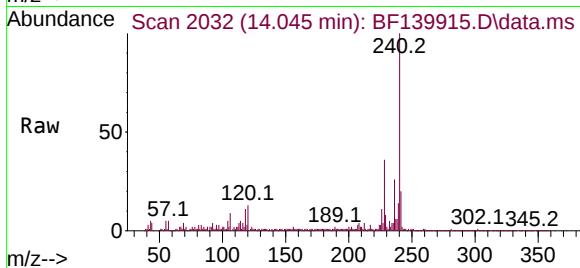




#81
Benzo(a)anthracene
Concen: 3.733 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

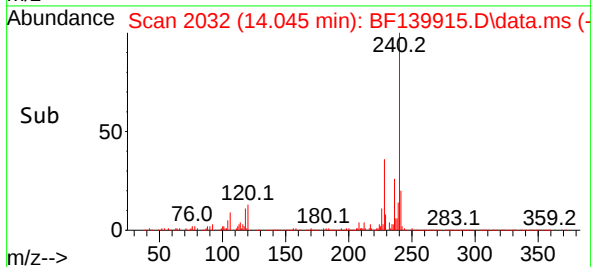
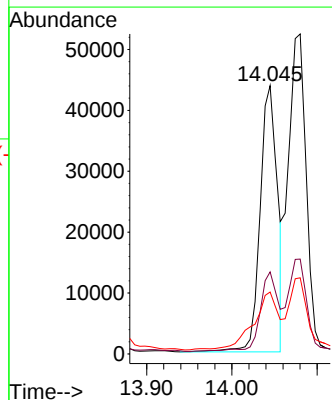
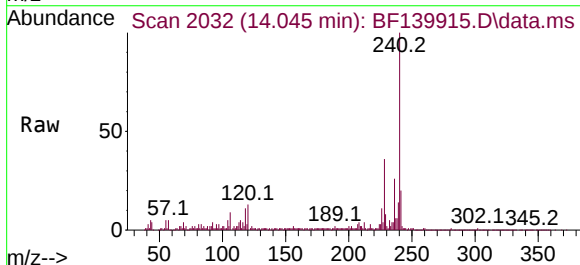
Instrument :
BNA_F
ClientSampleId :
SU-4-101824

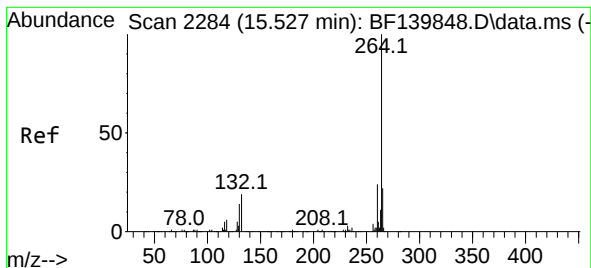
Tgt Ion:228 Resp: 61794
Ion Ratio Lower Upper
228 100
226 30.6 21.6 32.4
229 23.1 16.1 24.1



#83
Chrysene
Concen: 4.071 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.035 min
Lab File: BF139915.D
Acq: 21 Oct 2024 21:01

Tgt Ion:228 Resp: 61794
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 23.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

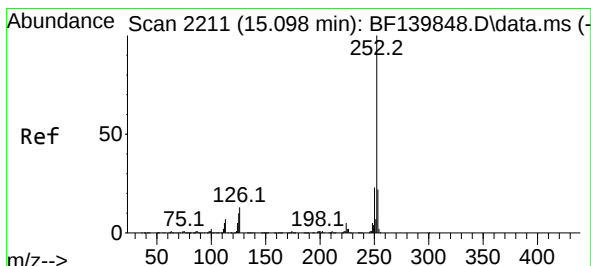
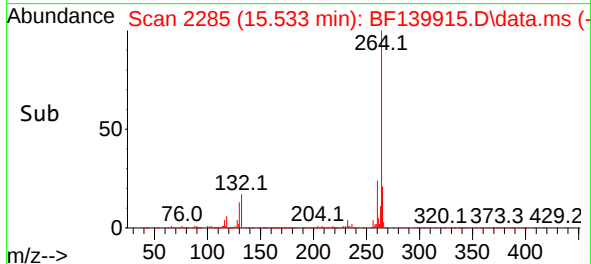
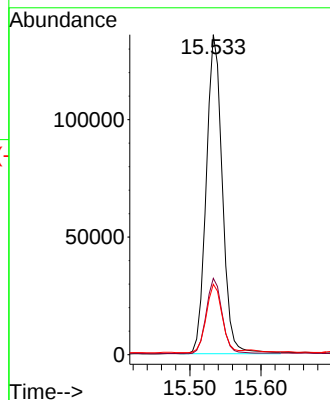
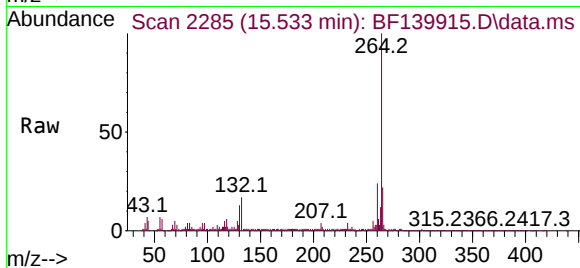
Tgt Ion:264 Resp: 213719

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 22.0 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 6.261 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

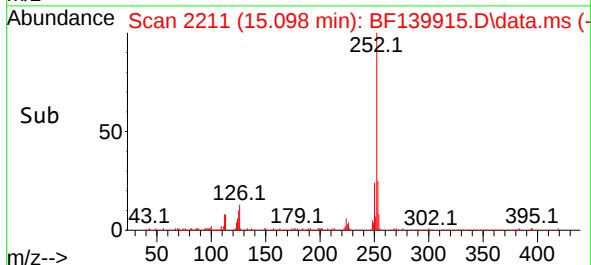
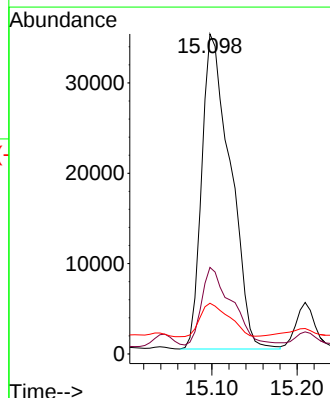
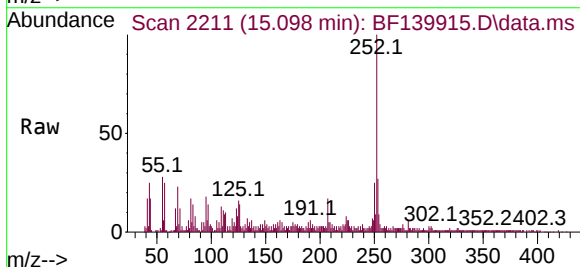
Tgt Ion:252 Resp: 81512

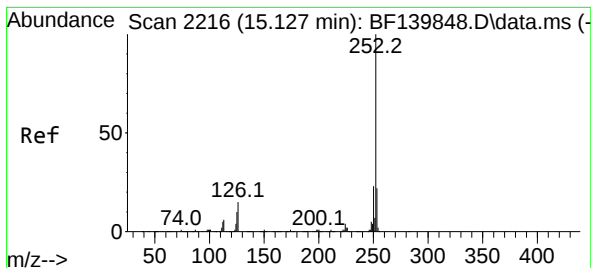
Ion Ratio Lower Upper

252 100

253 27.0 17.6 26.4#

125 15.8 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 7.260 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

SU-4-101824

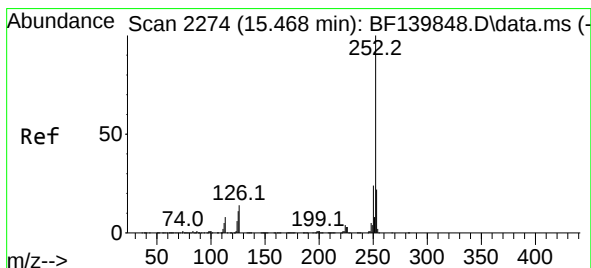
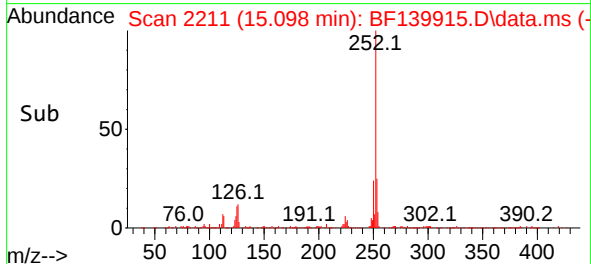
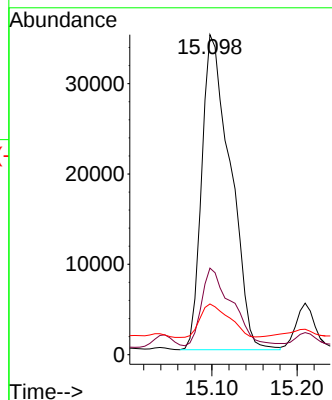
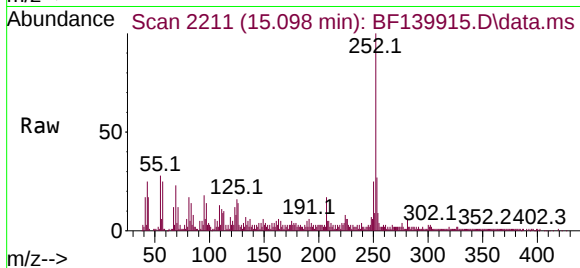
Tgt Ion:252 Resp: 81512

Ion Ratio Lower Upper

252 100

253 27.0 17.6 26.4#

125 15.8 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 2.829 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139915.D

Acq: 21 Oct 2024 21:01

Tgt Ion:252 Resp: 30302

Ion Ratio Lower Upper

252 100

253 26.6 17.3 25.9#

125 20.5 8.7 13.1#

