

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144029.D
 Acq On : 21 Oct 2025 23:22
 Operator : RC/JU
 Sample : Q3376-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-DP01-20251016

Quant Time: Oct 22 11:13:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

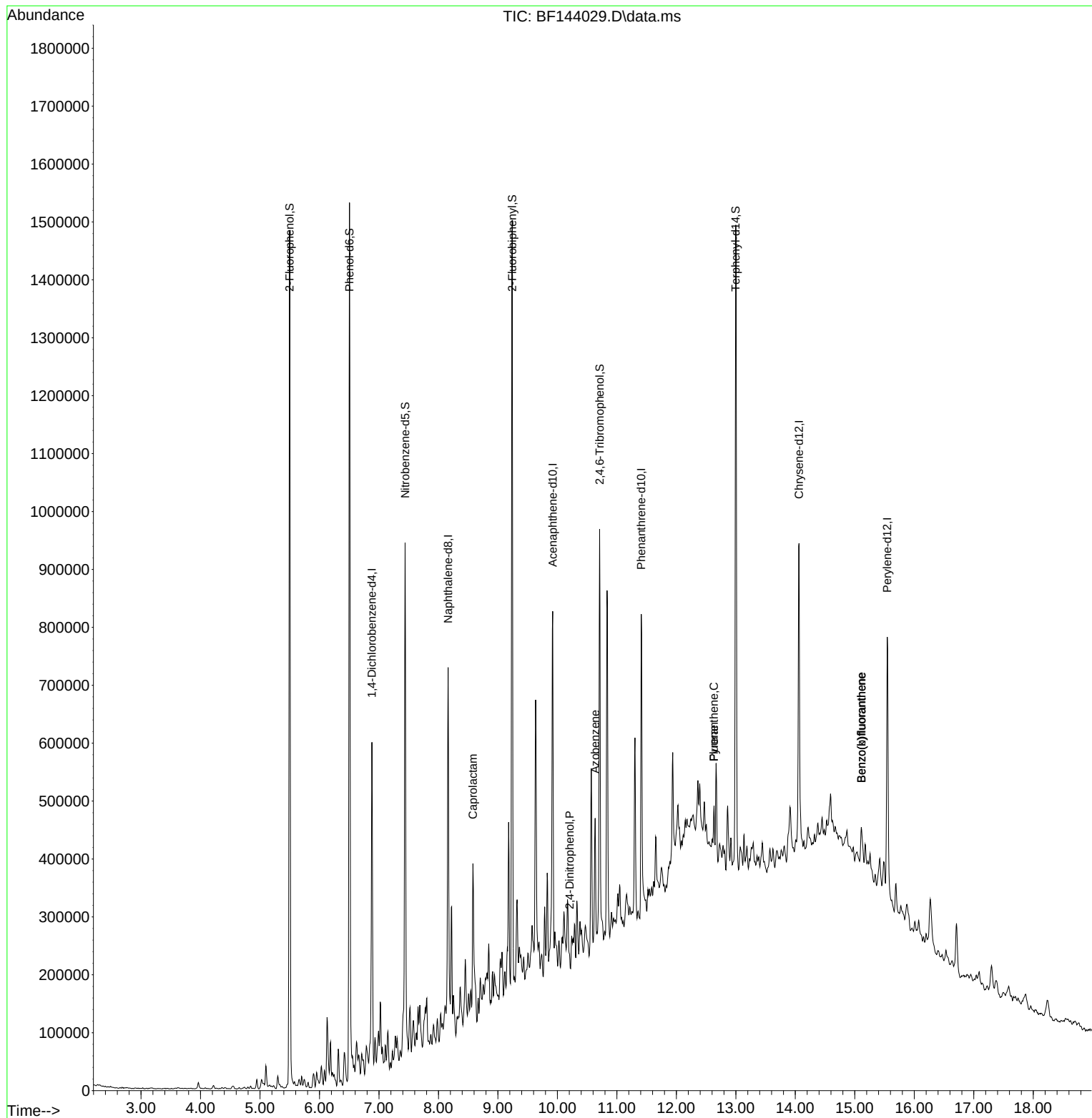
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	102606	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	370185	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	182853	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	276992	20.000	ng	0.00
76) Chrysene-d12	14.063	240	261924	20.000	ng	0.00
86) Perylene-d12	15.545	264	301622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	575295	89.036	ng	0.00
7) Phenol-d6	6.504	99	664885	86.330	ng	-0.01
23) Nitrobenzene-d5	7.440	82	368882	60.541	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	134570	73.889	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	636031	55.193	ng	-0.01
79) Terphenyl-d14	12.998	244	591870	38.620	ng	-0.01
Target Compounds						
						Qvalue
35) Caprolactam	8.581	113	7964	4.608	ng	# 1
54) 2,4-Dinitrophenol	10.204	184	1049	7.662	ng	90
63) Azobenzene	10.633	77	54501	4.834	ng	# 1
75) Fluoranthene	12.633	202	47766	3.444	ng	96
78) Pyrene	12.633	202	47766	2.187	ng	98
88) Benzo(b)fluoranthene	15.110	252	47603	2.747	ng	# 78
89) Benzo(k)fluoranthene	15.110	252	47603	2.969	ng	# 79

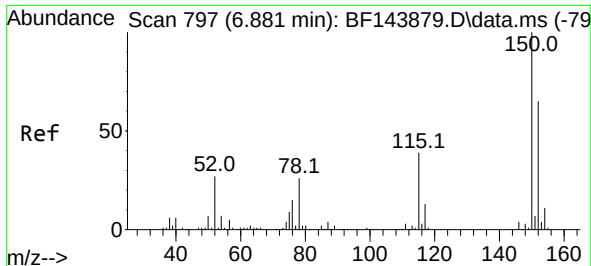
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
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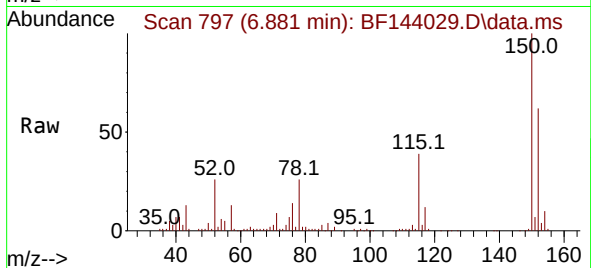
Quant Time: Oct 22 11:13:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
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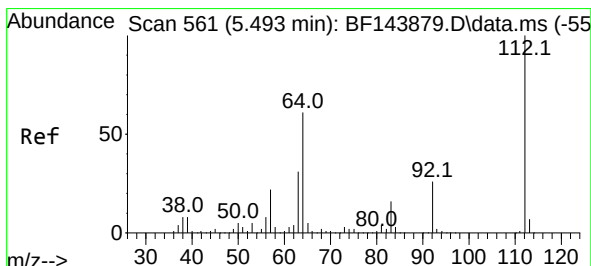
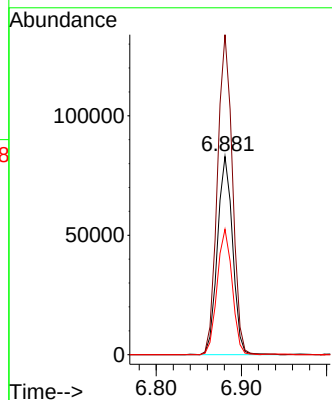
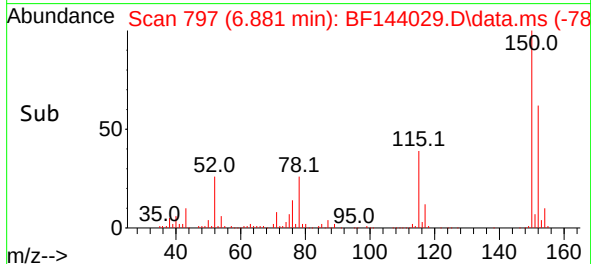


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF144029.D
 Acq: 21 Oct 2025 23:22

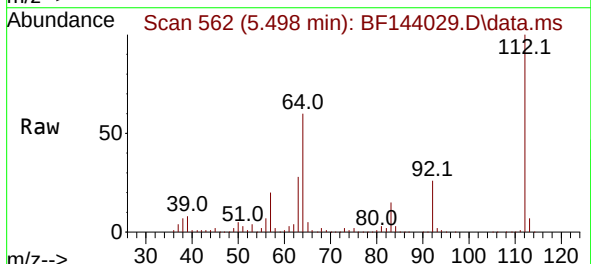
Instrument :
 BNA_F
 ClientSampleId :
 PR132-DP01-20251016



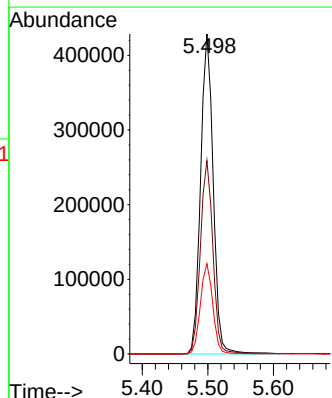
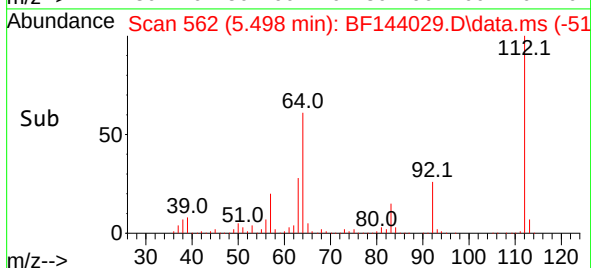
Tgt Ion:152 Resp: 102606
 Ion Ratio Lower Upper
 152 100
 150 161.4 124.4 186.6
 115 63.3 48.1 72.1

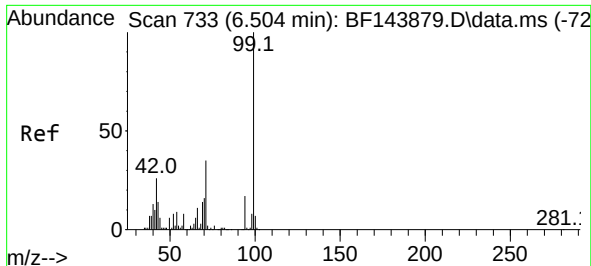


#5
 2-Fluorophenol
 Concen: 89.036 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF144029.D
 Acq: 21 Oct 2025 23:22



Tgt Ion:112 Resp: 575295
 Ion Ratio Lower Upper
 112 100
 64 60.4 49.1 73.7
 63 28.2 24.5 36.7

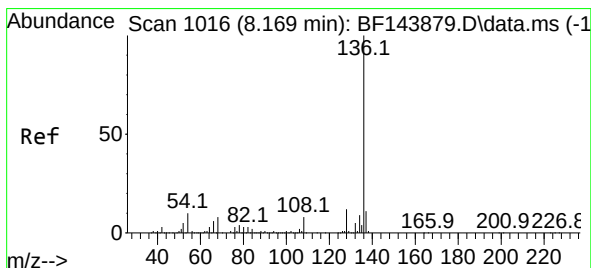
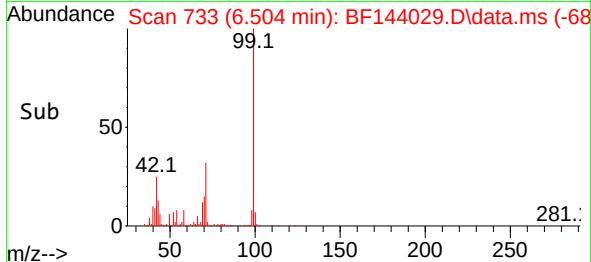
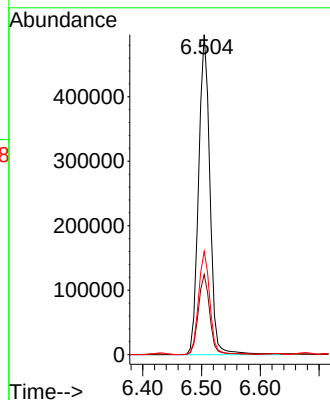
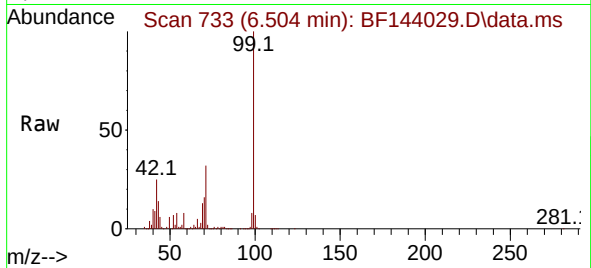




#7
Phenol-d6
Concen: 86.330 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

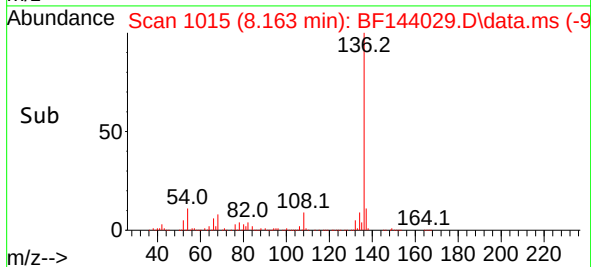
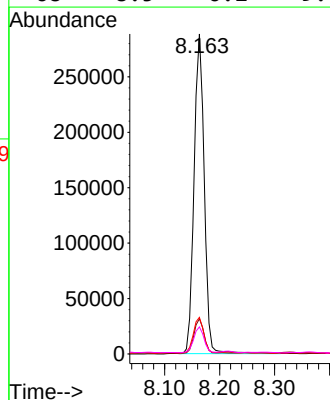
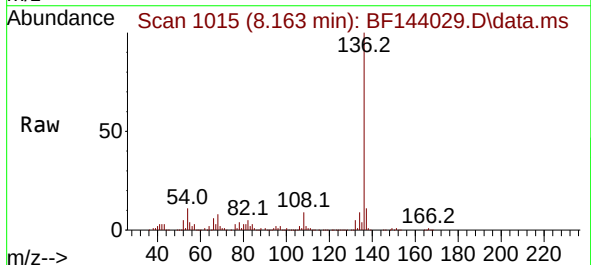
Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

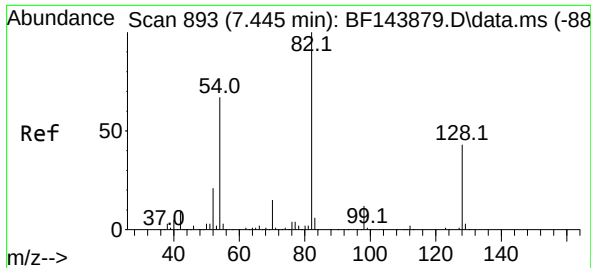
Tgt Ion: 99 Resp: 664885
Ion Ratio Lower Upper
99 100
42 25.0 21.0 31.4
71 32.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion: 136 Resp: 370185
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.4 8.2 12.4
68 8.5 6.2 9.4

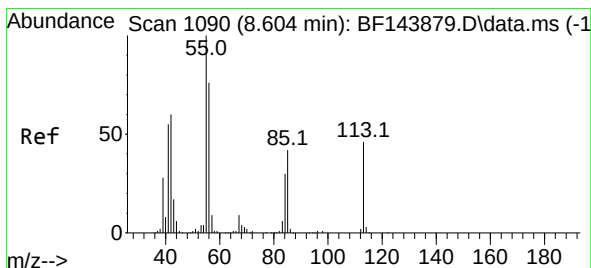
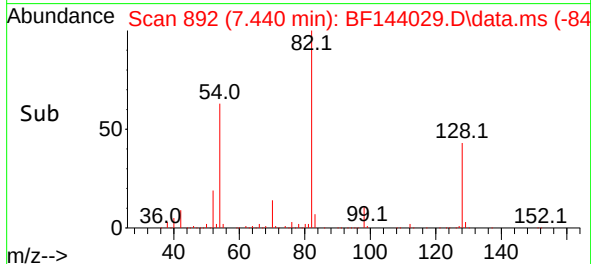
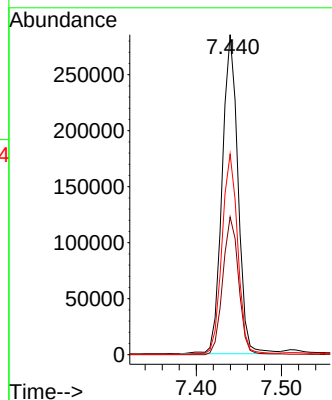
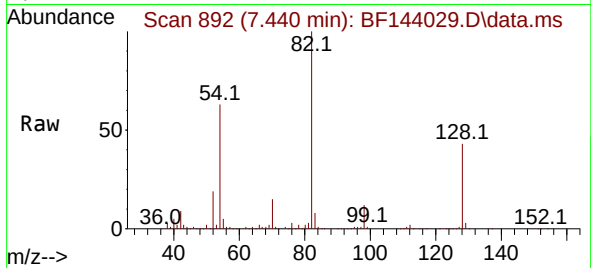




#23
Nitrobenzene-d5
Concen: 60.541 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

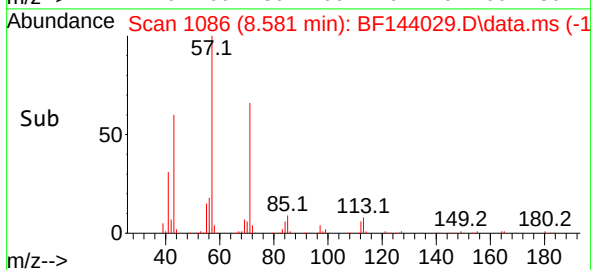
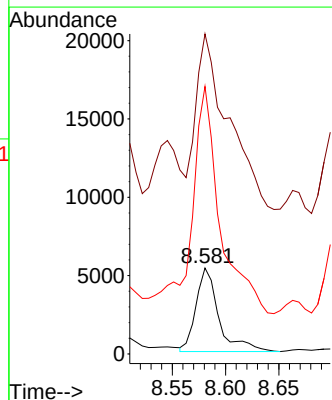
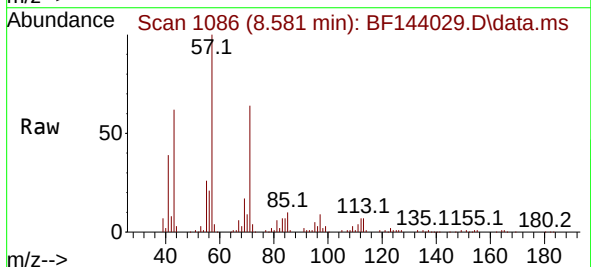
Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

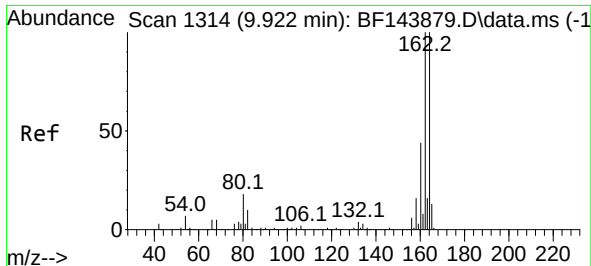
Tgt Ion: 82 Resp: 368882
Ion Ratio Lower Upper
82 100
128 43.0 34.0 51.0
54 62.7 53.2 79.8



#35
Caprolactam
Concen: 4.608 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.065 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion: 113 Resp: 7964
Ion Ratio Lower Upper
113 100
55 372.6 199.6 239.6#
56 311.5 146.0 186.0#

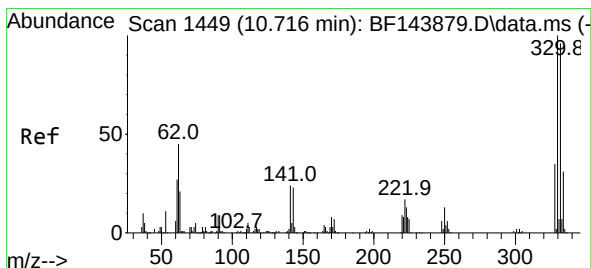
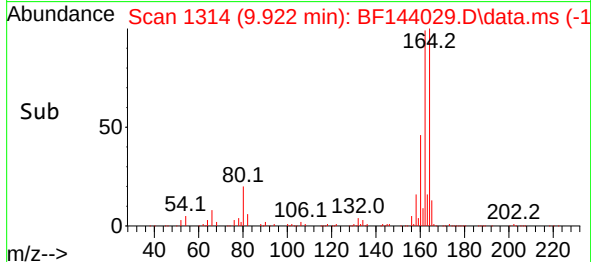
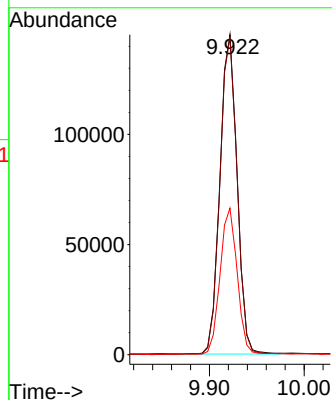
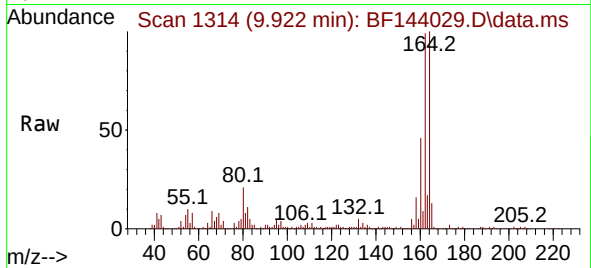




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

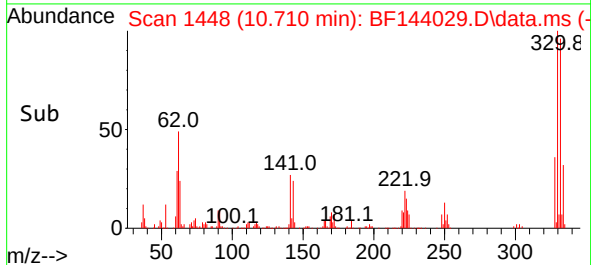
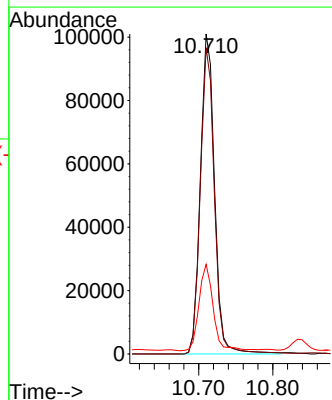
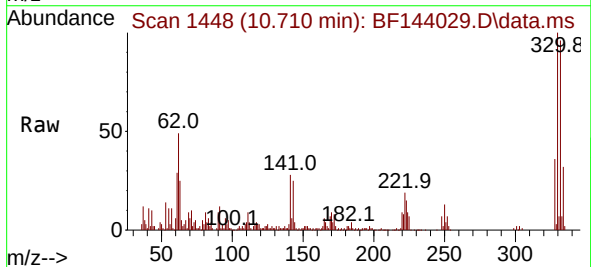
Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

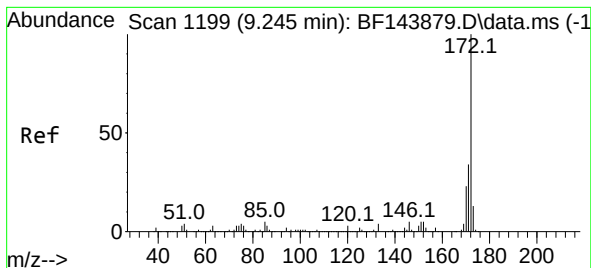
Tgt Ion:164 Resp: 182853
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.2
160 45.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 73.889 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:330 Resp: 134570
Ion Ratio Lower Upper
330 100
332 95.1 76.9 115.3
141 27.0 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 55.193 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

Instrument :

BNA_F

ClientSampleId :

PR132-DP01-20251016

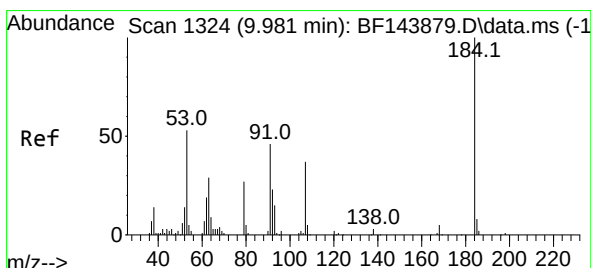
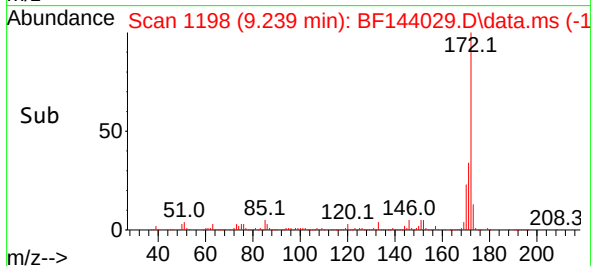
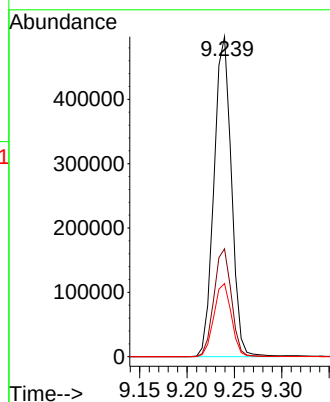
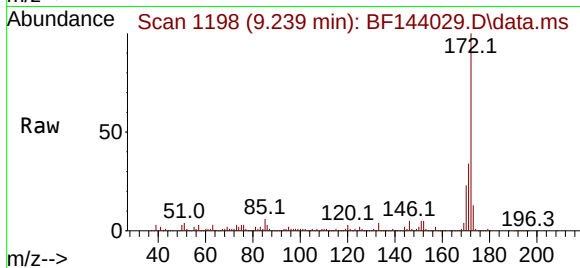
Tgt Ion:172 Resp: 636031

Ion Ratio Lower Upper

172 100

171 33.7 27.4 41.0

170 22.9 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.662 ng

RT: 10.204 min Scan# 1362

Delta R.T. 0.218 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

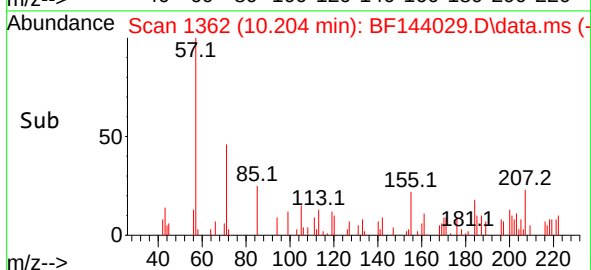
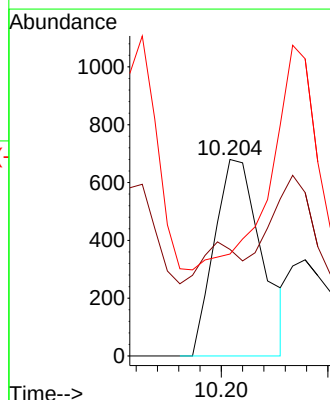
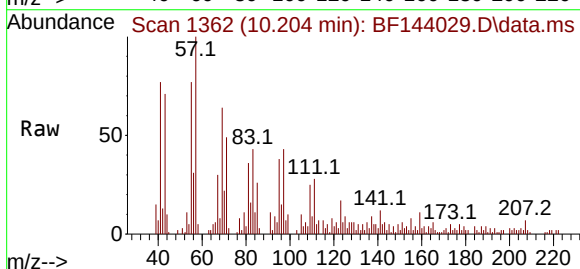
Tgt Ion:184 Resp: 1049

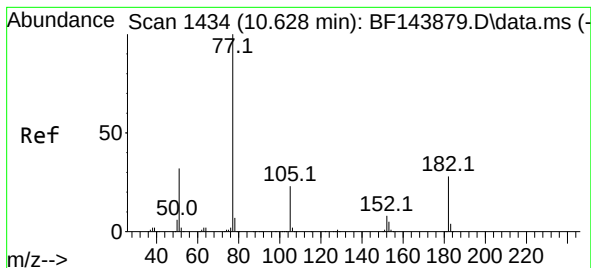
Ion Ratio Lower Upper

184 100

63 54.3 48.2 72.4

154 51.9 49.2 73.8





#63

Azobenzene

Concen: 4.834 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

Instrument :

BNA_F

ClientSampleId :

PR132-DP01-20251016

Tgt Ion: 77 Resp: 54501

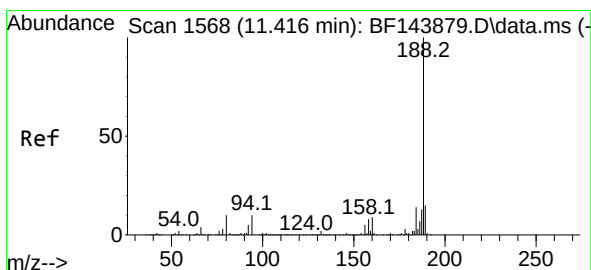
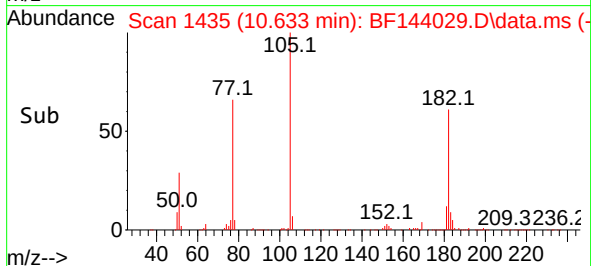
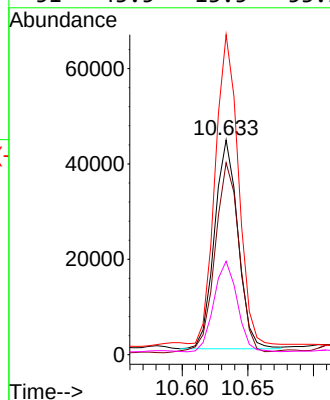
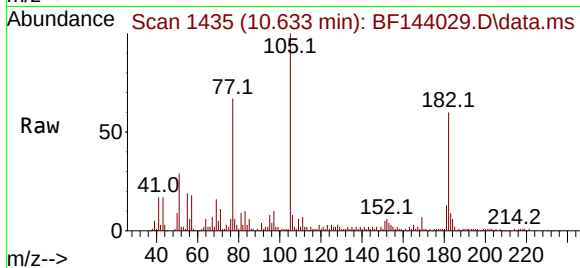
Ion Ratio Lower Upper

77 100

182 89.4 7.3 47.3#

105 149.0 3.0 43.0#

51 43.5 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

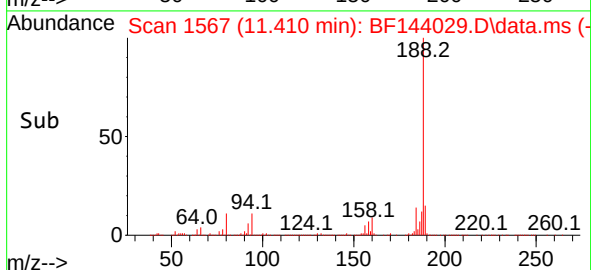
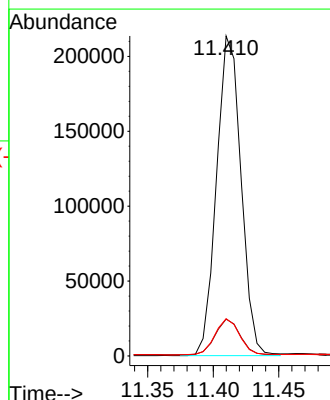
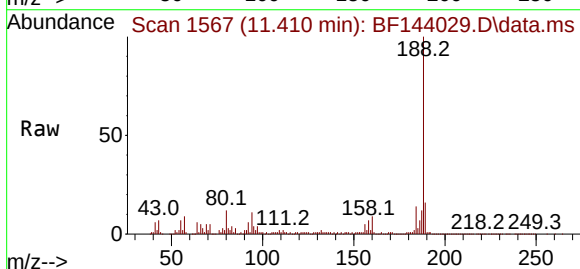
Tgt Ion:188 Resp: 276992

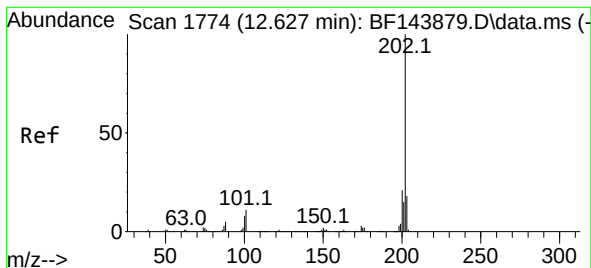
Ion Ratio Lower Upper

188 100

94 11.5 7.8 11.6

80 11.6 7.9 11.9





#75

Fluoranthene

Concen: 3.444 ng

RT: 12.633 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

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PR132-DP01-20251016

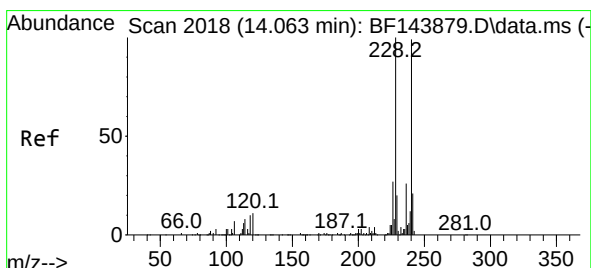
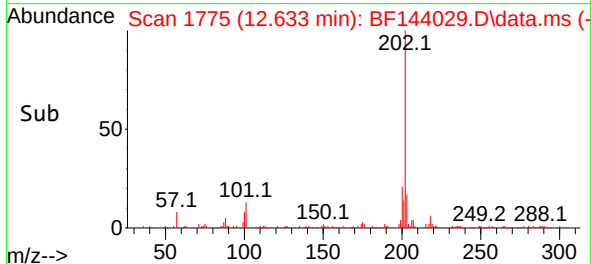
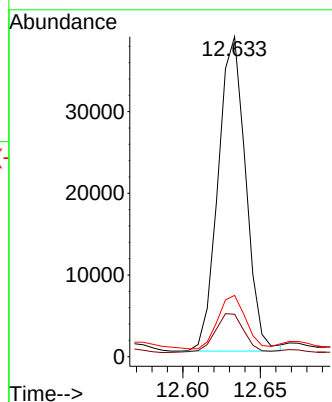
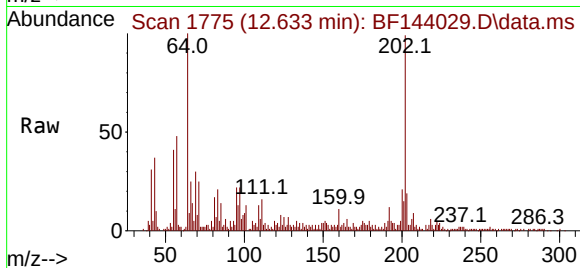
Tgt Ion:202 Resp: 47766

Ion Ratio Lower Upper

202 100

101 13.3 0.0 30.7

203 19.2 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

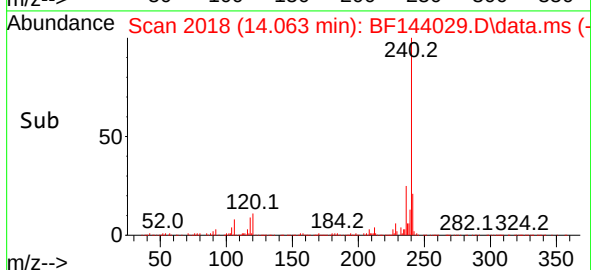
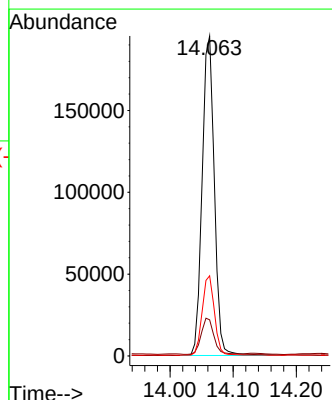
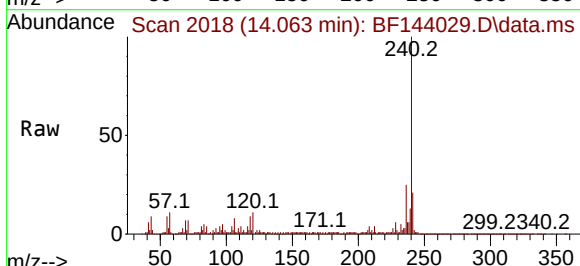
Tgt Ion:240 Resp: 261924

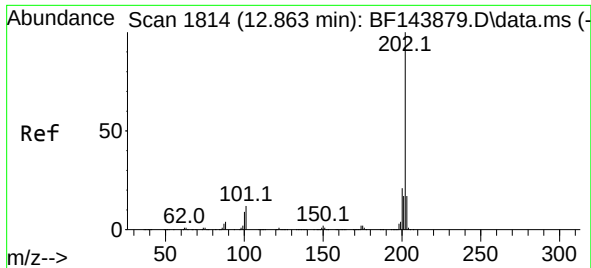
Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

236 25.1 21.1 31.7

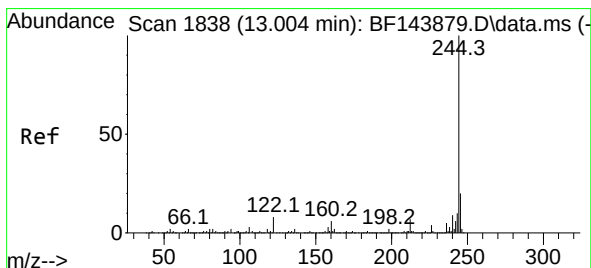
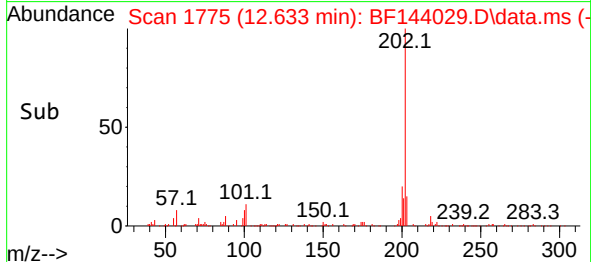
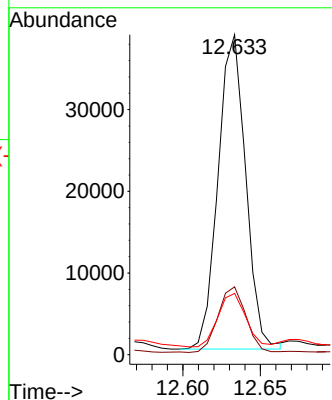
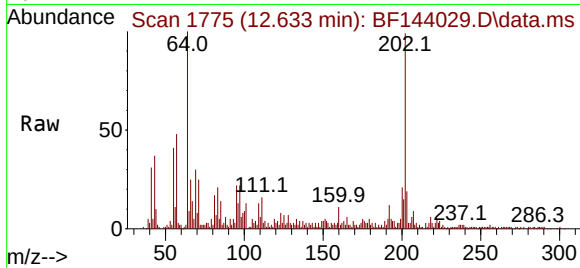




#78
Pyrene
Concen: 2.187 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

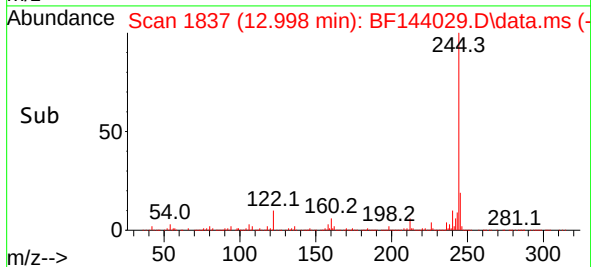
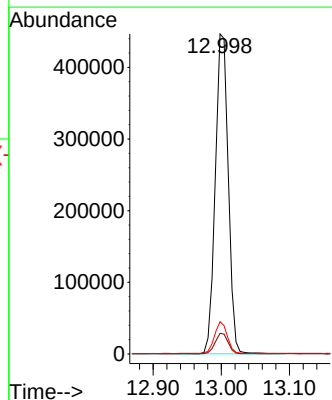
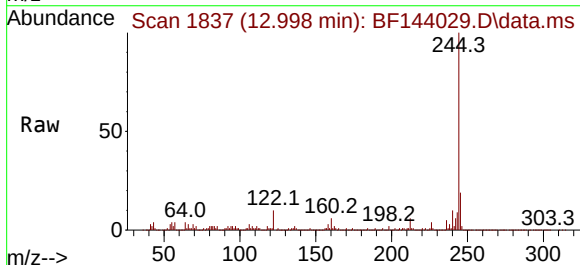
Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

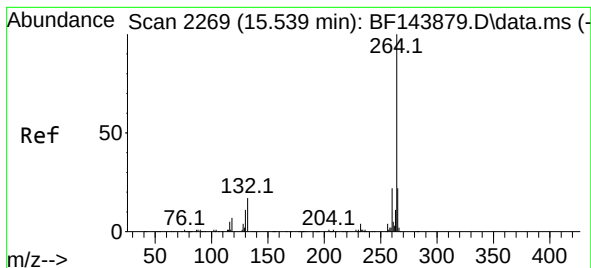
Tgt Ion:202 Resp: 47766
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 19.2 13.8 20.6



#79
Terphenyl-d14
Concen: 38.620 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:244 Resp: 591870
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 10.1 6.4 9.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

Instrument :

BNA_F

ClientSampleId :

PR132-DP01-20251016

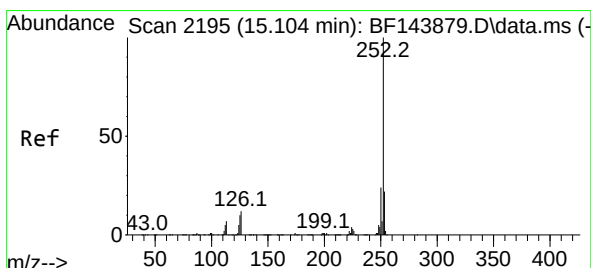
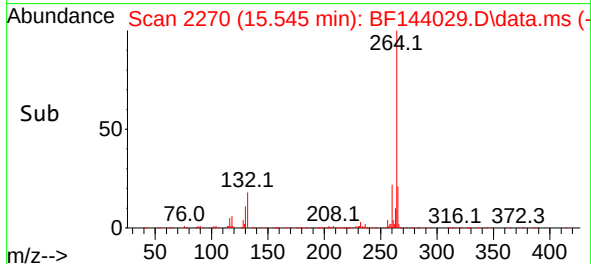
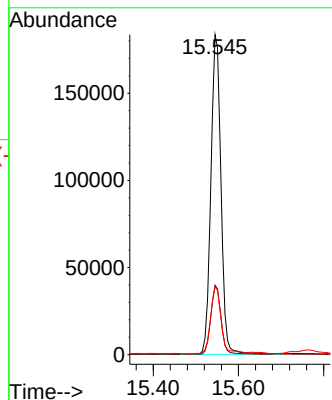
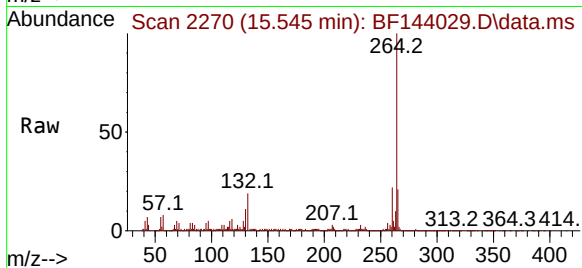
Tgt Ion:264 Resp: 301622

Ion Ratio Lower Upper

264 100

260 21.7 17.8 26.8

265 21.3 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.747 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

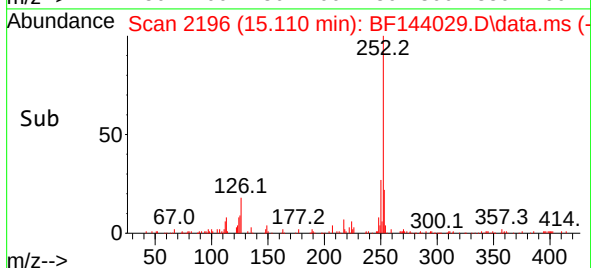
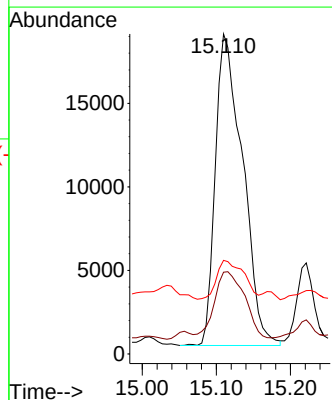
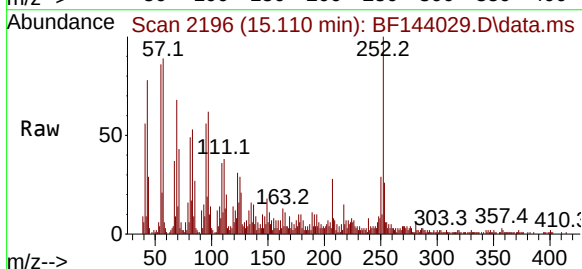
Tgt Ion:252 Resp: 47603

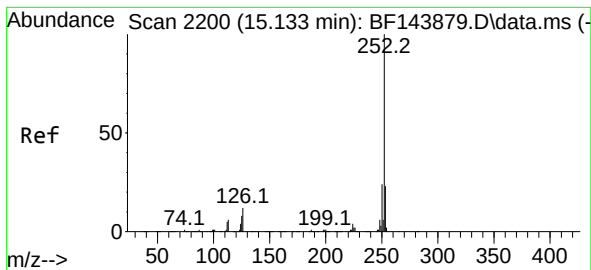
Ion Ratio Lower Upper

252 100

253 25.5 17.4 26.2

125 29.3 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 2.969 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144029.D

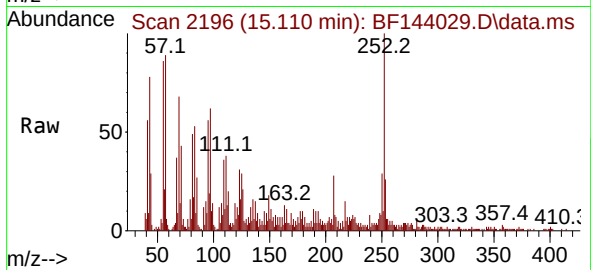
Acq: 21 Oct 2025 23:22

Instrument :

BNA_F

ClientSampleId :

PR132-DP01-20251016



Tgt Ion:252 Resp: 47603

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

125 29.3 7.4 11.2#

