

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
 Data File : BF144007.D
 Acq On : 20 Oct 2025 19:22
 Operator : RC/JU
 Sample : Q3390-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4174

Quant Time: Oct 21 10:42:39 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)

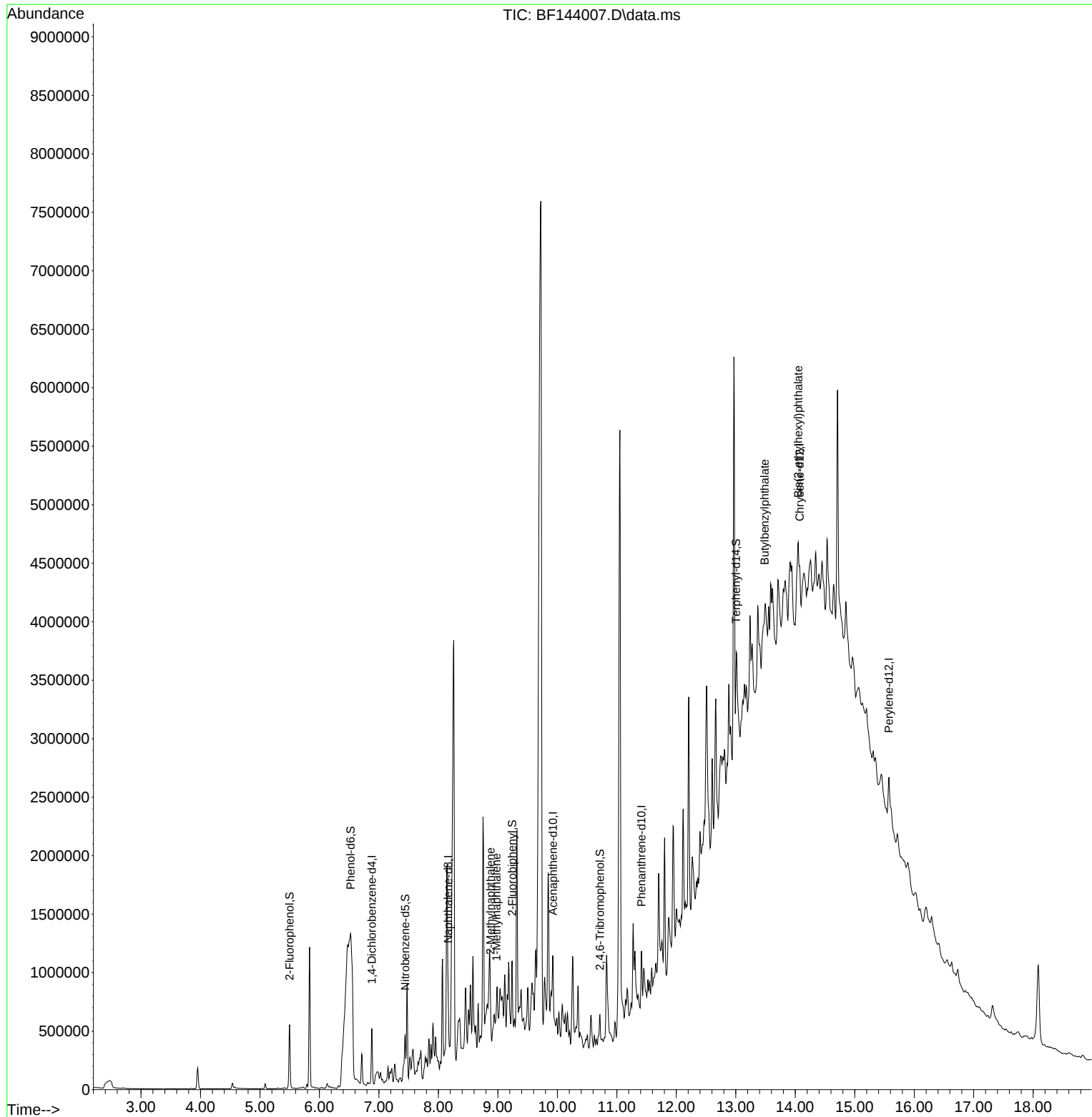
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	91242	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	313006	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	153320	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	270484	20.000	ng	0.00
76) Chrysene-d12	14.074	240	181480	20.000	ng	0.00
86) Perylene-d12	15.574	264	263967	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	234282	40.775	ng	0.00
7) Phenol-d6	6.522	99	246103	35.934	ng	0.00
23) Nitrobenzene-d5	7.440	82	150532	29.218	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	56461	36.973	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	277741	28.744	ng	-0.01
79) Terphenyl-d14	13.004	244	272060	25.621	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.875	142	41422	4.367	ng	Qvalue 95
38) 1-Methylnaphthalene	8.975	142	26560	2.887	ng	95
80) Butylbenzylphthalate	13.486	149	51839	10.550	ng	86
84) Bis(2-ethylhexyl)phtha...	14.051	149	221149	37.336	ng	# 95

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

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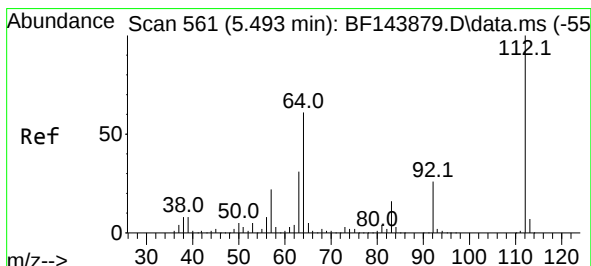
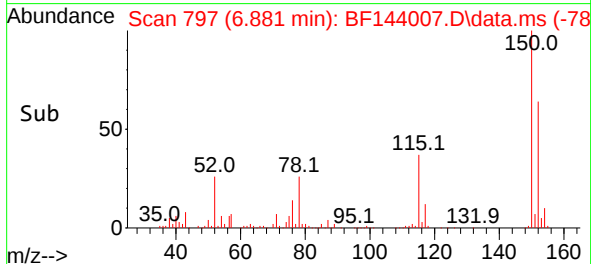
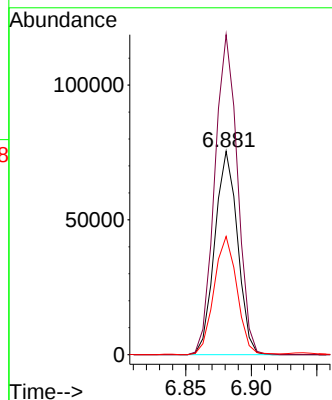
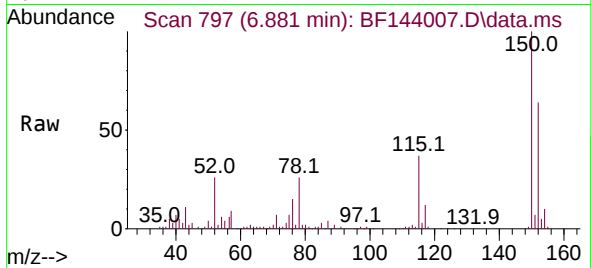




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144007.D
Acq: 20 Oct 2025 19:22

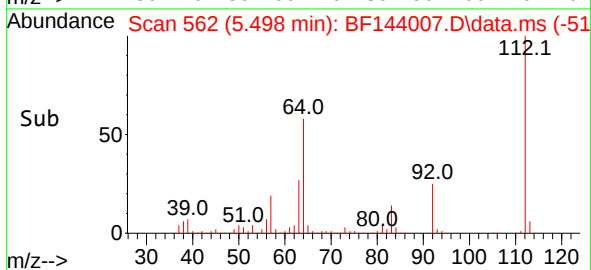
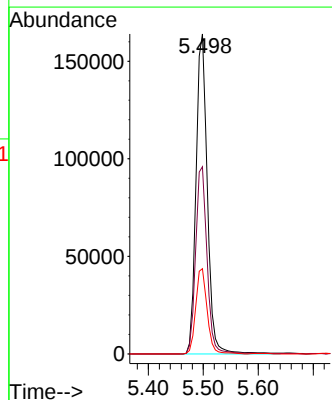
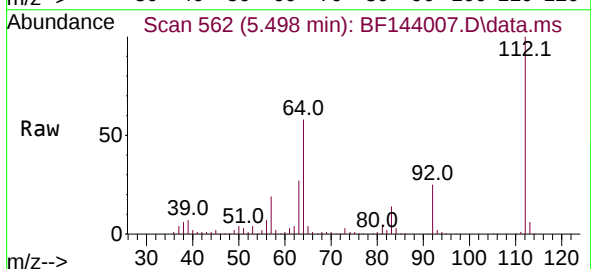
Instrument :
BNA_F
ClientSampleId :
4174

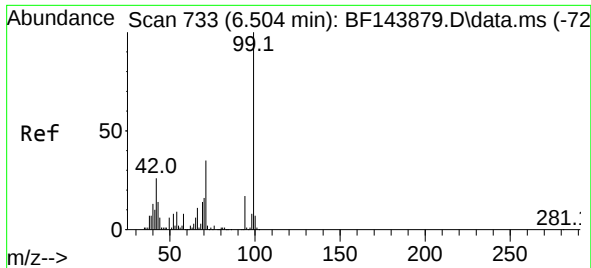
Tgt Ion:152 Resp: 91242
Ion Ratio Lower Upper
152 100
150 157.4 124.4 186.6
115 58.1 48.1 72.1



#5
2-Fluorophenol
Concen: 40.775 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144007.D
Acq: 20 Oct 2025 19:22

Tgt Ion:112 Resp: 234282
Ion Ratio Lower Upper
112 100
64 58.5 49.1 73.7
63 26.6 24.5 36.7





#7

Phenol-d6

Concen: 35.934 ng

RT: 6.522 min Scan# 733

Delta R.T. 0.006 min

Lab File: BF144007.D

Acq: 20 Oct 2025 19:22

Instrument :

BNA_F

ClientSampleId :

4174

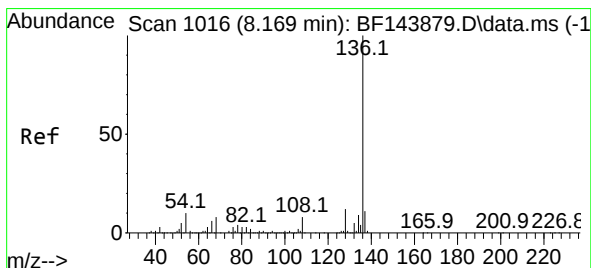
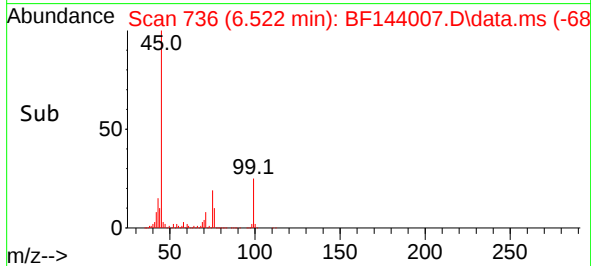
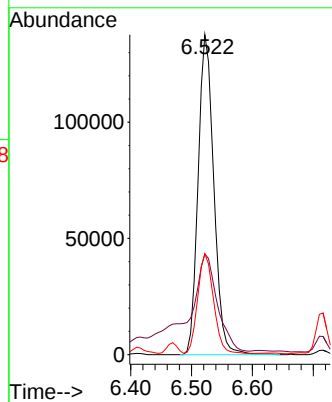
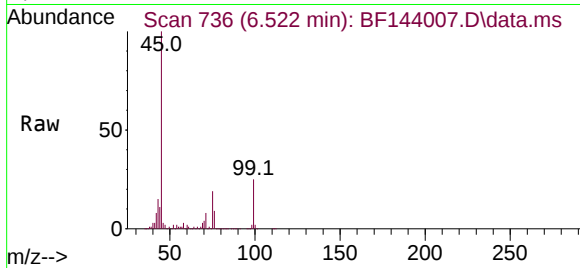
Tgt Ion: 99 Resp: 246103

Ion Ratio Lower Upper

99 100

42 31.5 21.0 31.4#

71 31.5 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: BF144007.D

Acq: 20 Oct 2025 19:22

Tgt Ion: 136 Resp: 313006

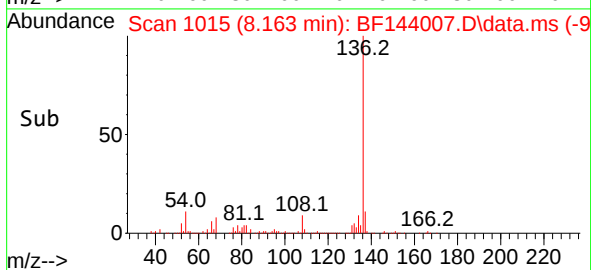
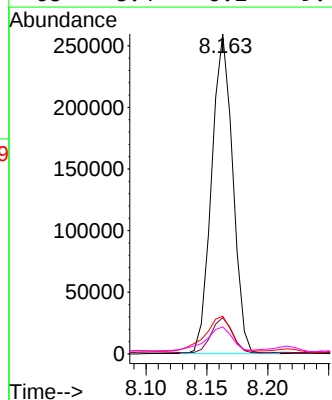
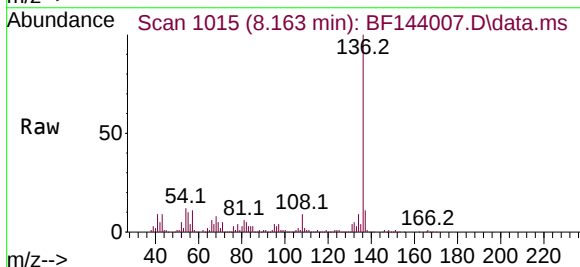
Ion Ratio Lower Upper

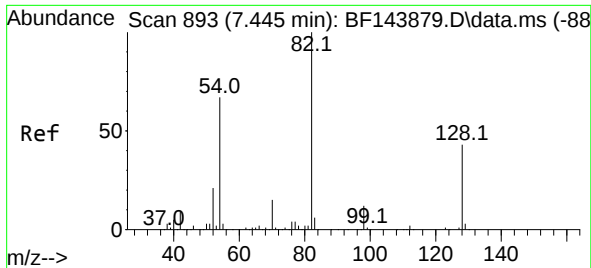
136 100

137 11.4 8.5 12.7

54 11.8 8.2 12.4

68 8.4 6.2 9.4

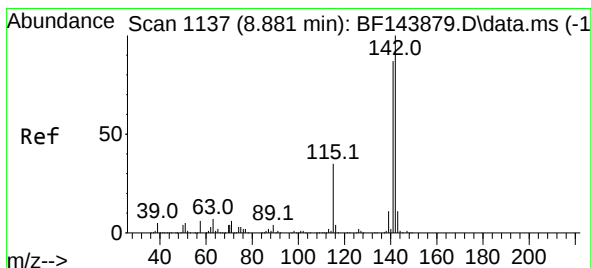
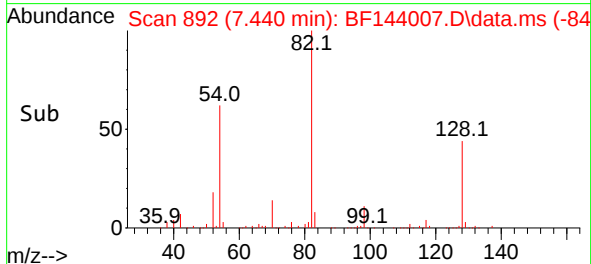
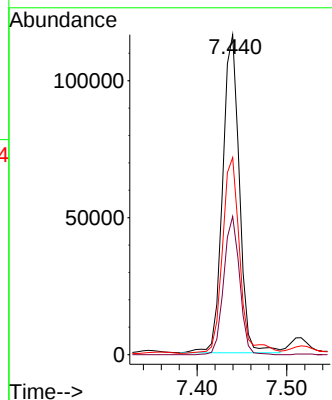
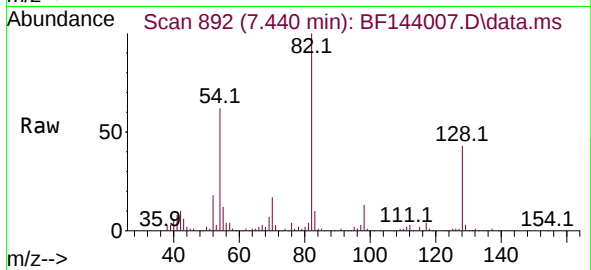




#23
Nitrobenzene-d5
Concen: 29.218 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF144007.D
Acq: 20 Oct 2025 19:22

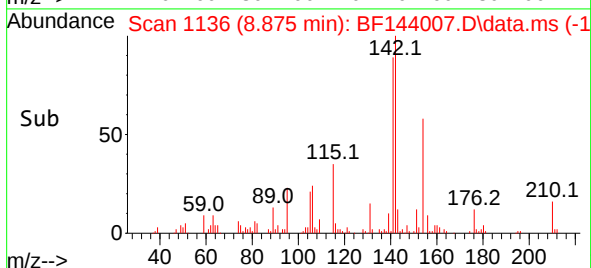
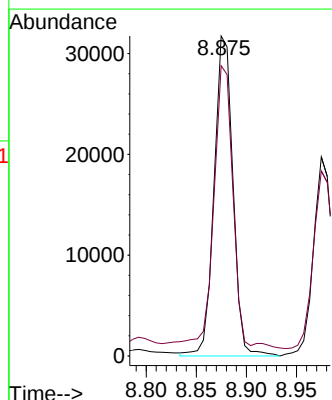
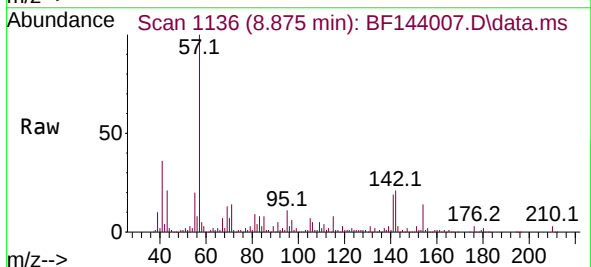
Instrument :
BNA_F
ClientSampleId :
4174

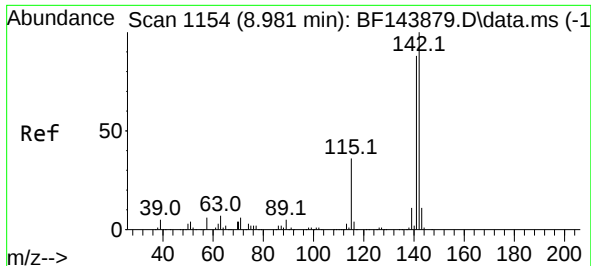
Tgt Ion: 82 Resp: 150532
Ion Ratio Lower Upper
82 100
128 43.2 34.0 51.0
54 61.6 53.2 79.8



#37
2-Methylnaphthalene
Concen: 4.367 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF144007.D
Acq: 20 Oct 2025 19:22

Tgt Ion:142 Resp: 41422
Ion Ratio Lower Upper
142 100
141 90.7 69.2 103.8

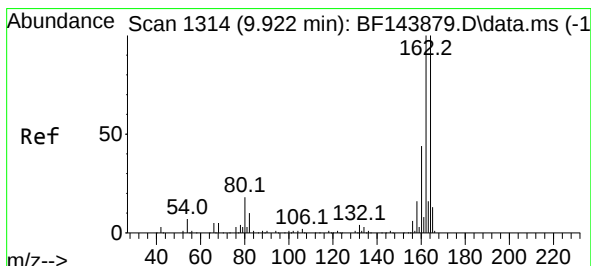
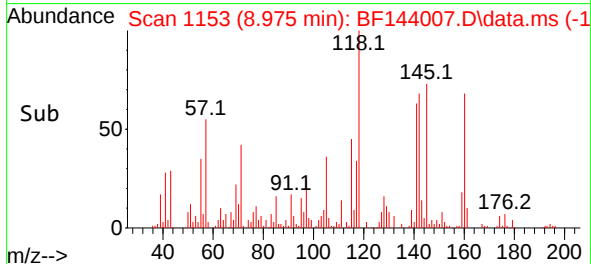
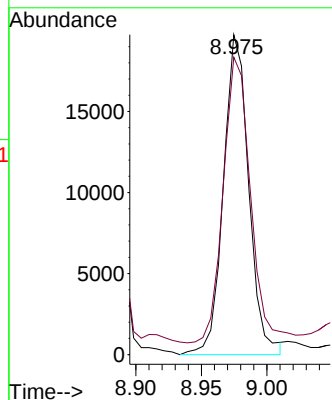
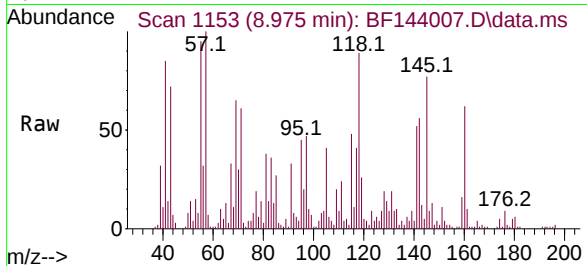




#38
1-Methylnaphthalene
Concen: 2.887 ng
RT: 8.975 min Scan# 1154
Delta R.T. -0.011 min
Lab File: BF144007.D
Acq: 20 Oct 2025 19:22

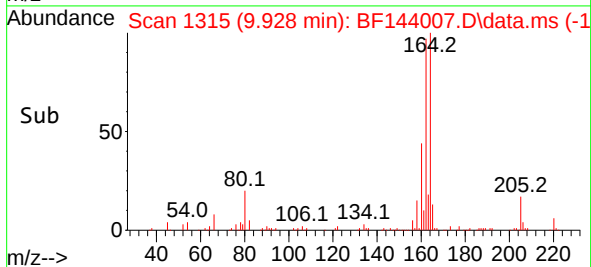
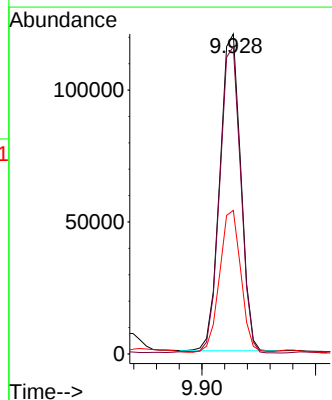
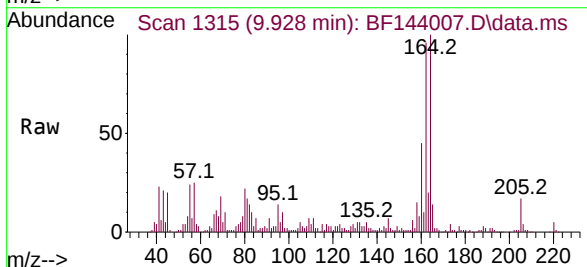
Instrument :
BNA_F
ClientSampleId :
4174

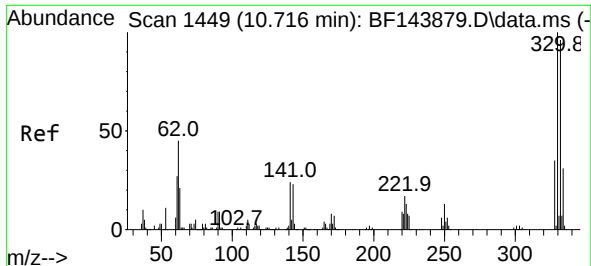
Tgt Ion:142 Resp: 26560
Ion Ratio Lower Upper
142 100
141 92.9 70.8 106.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.001 min
Lab File: BF144007.D
Acq: 20 Oct 2025 19:22

Tgt Ion:164 Resp: 153320
Ion Ratio Lower Upper
164 100
162 96.1 80.2 120.2
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 36.973 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF144007.D

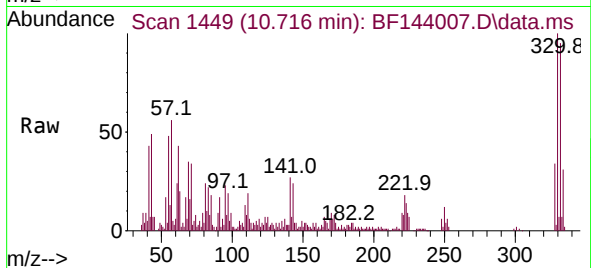
Acq: 20 Oct 2025 19:22

Instrument :

BNA_F

ClientSampleId :

4174



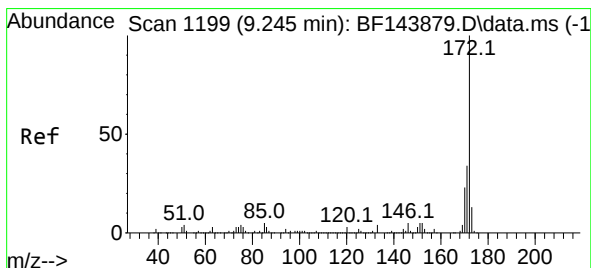
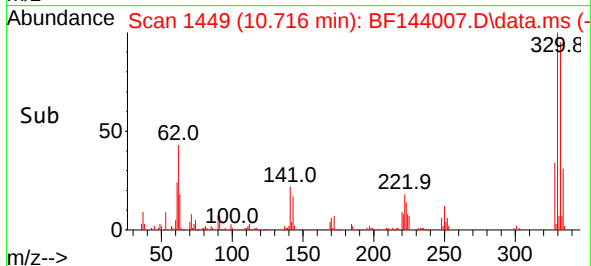
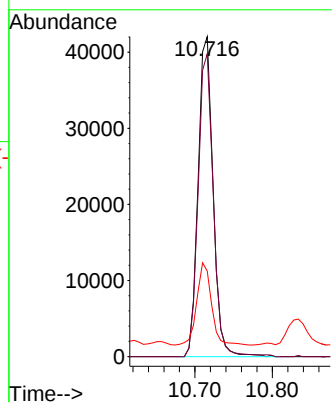
Tgt Ion:330 Resp: 56461

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

141 25.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 28.744 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144007.D

Acq: 20 Oct 2025 19:22

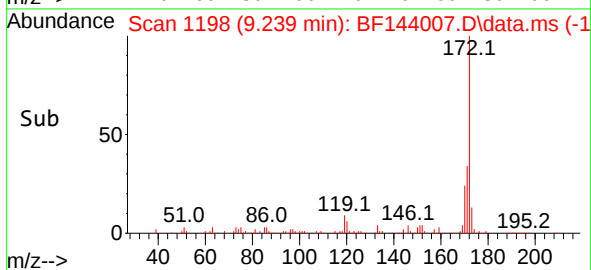
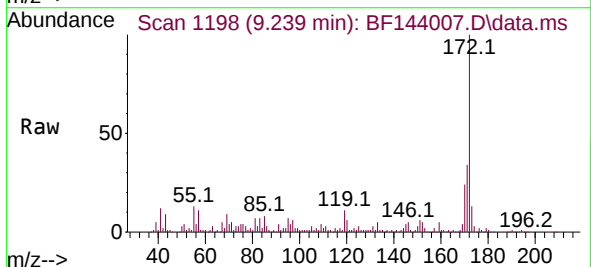
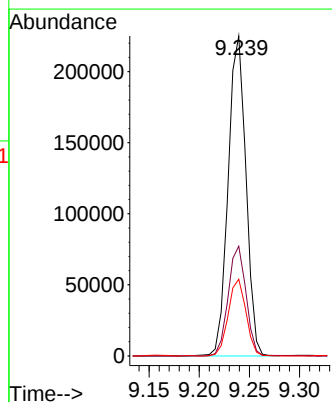
Tgt Ion:172 Resp: 277741

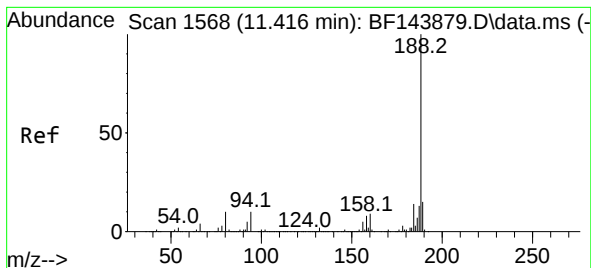
Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

170 24.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144007.D

Acq: 20 Oct 2025 19:22

Instrument :

BNA_F

ClientSampleId :

4174

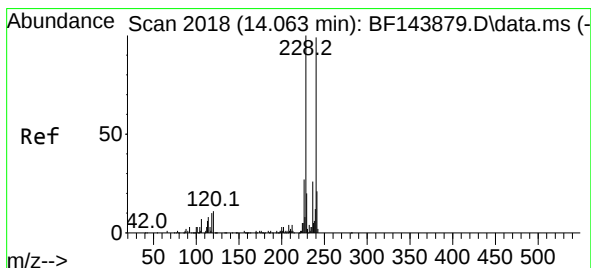
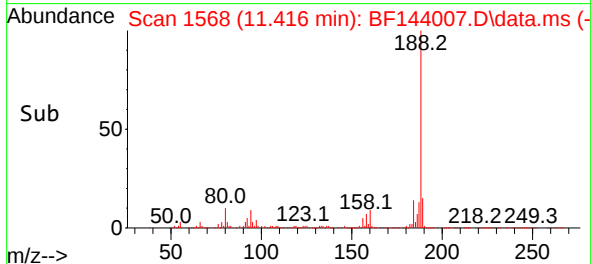
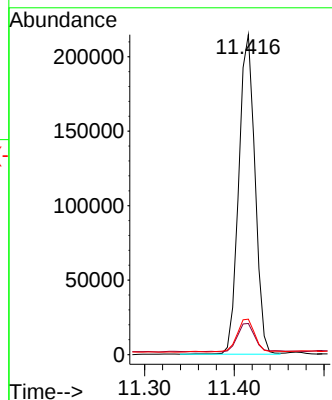
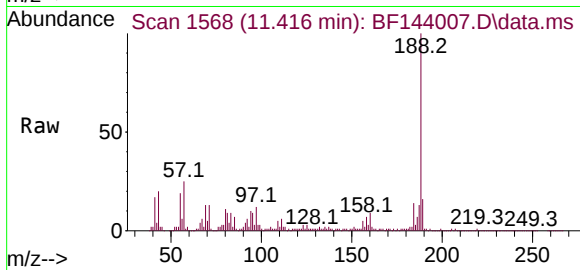
Tgt Ion:188 Resp: 270484

Ion Ratio Lower Upper

188 100

94 9.7 7.8 11.6

80 11.1 7.9 11.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF144007.D

Acq: 20 Oct 2025 19:22

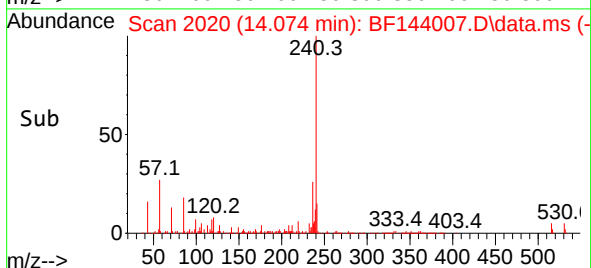
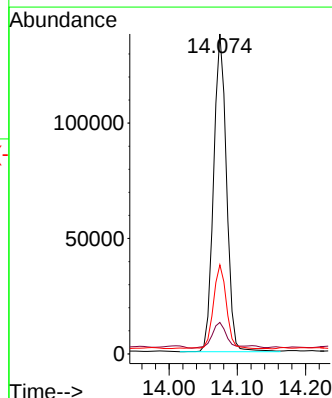
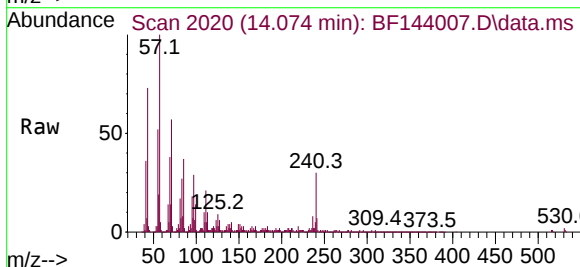
Tgt Ion:240 Resp: 181480

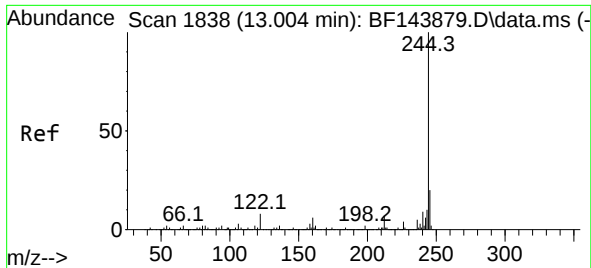
Ion Ratio Lower Upper

240 100

120 9.8 8.6 13.0

236 27.8 21.1 31.7



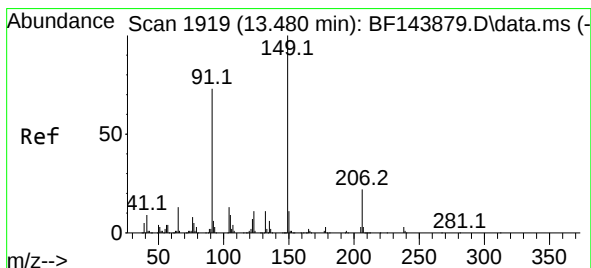
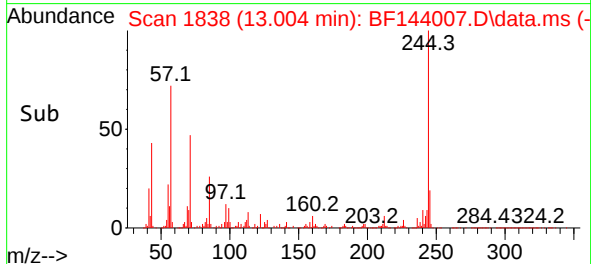
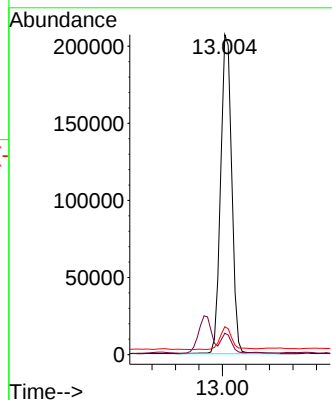
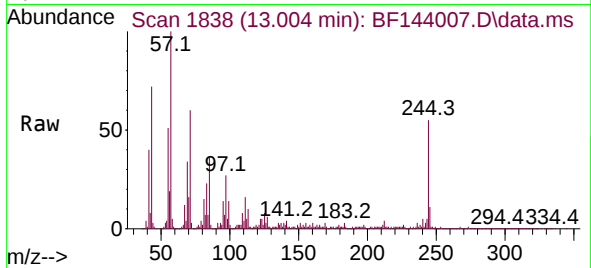


#79
 Terphenyl-d14
 Concen: 25.621 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF144007.D
 Acq: 20 Oct 2025 19:22

Instrument :
 BNA_F
 ClientSampleId :
 4174

Tgt Ion:244 Resp: 272060

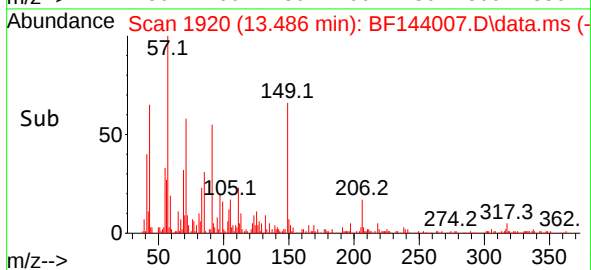
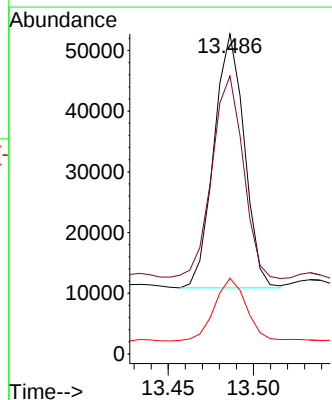
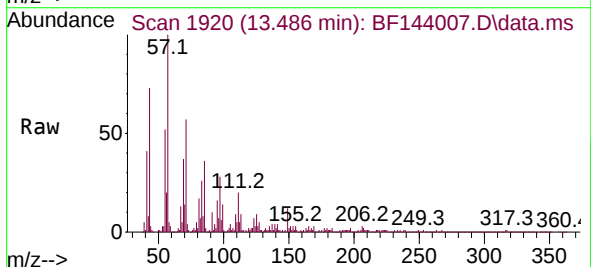
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.7	6.4	9.6

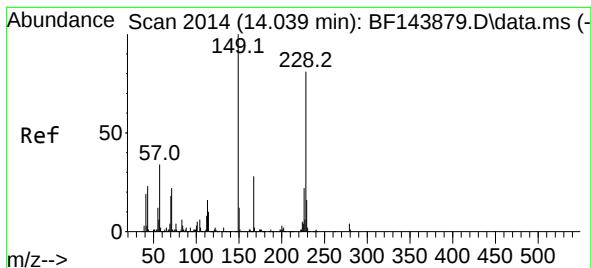


#80
 Butylbenzylphthalate
 Concen: 10.550 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. 0.006 min
 Lab File: BF144007.D
 Acq: 20 Oct 2025 19:22

Tgt Ion:149 Resp: 51839

Ion	Ratio	Lower	Upper
149	100		
91	86.8	58.2	87.2
206	23.6	17.9	26.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 37.336 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF144007.D

Acq: 20 Oct 2025 19:22

Instrument :

BNA_F

ClientSampleId :

4174

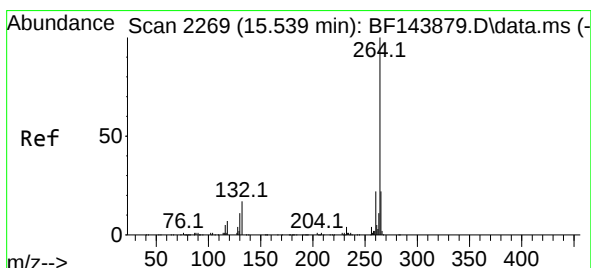
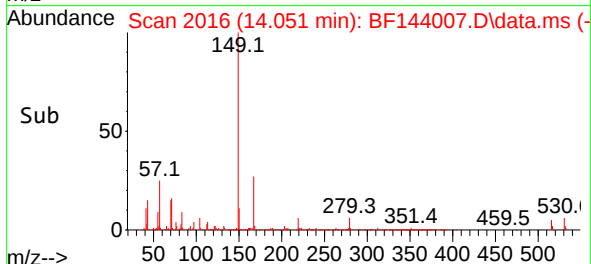
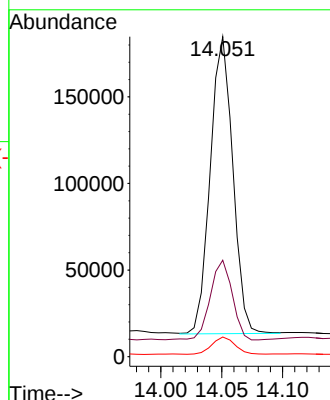
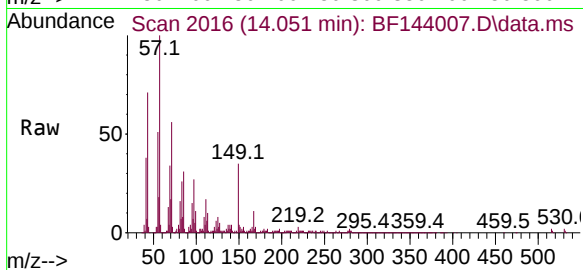
Tgt Ion:149 Resp: 221149

Ion Ratio Lower Upper

149 100

167 30.1 22.2 33.4

279 6.2 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.030 min

Lab File: BF144007.D

Acq: 20 Oct 2025 19:22

Tgt Ion:264 Resp: 263967

Ion Ratio Lower Upper

264 100

260 22.0 17.8 26.8

265 21.7 17.5 26.3

