

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142827.D
 Acq On : 24 Jun 2025 19:05
 Operator : RC/JU
 Sample : Q2398-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0036

Quant Time: Jun 25 01:29:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61043	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	216854	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	100383	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	96751m	20.000	ng	0.06
76) Chrysene-d12	14.110	240	118394	20.000	ng	# 0.05
86) Perylene-d12	15.562	264	106277	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	327479	89.319	ng	0.00
7) Phenol-d6	6.510	99	373343	86.309	ng	0.00
23) Nitrobenzene-d5	7.439	82	219484	55.516	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	101904	98.648	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	437199	57.214	ng	0.00
79) Terphenyl-d14	13.074	244	354359	41.355	ng	0.08

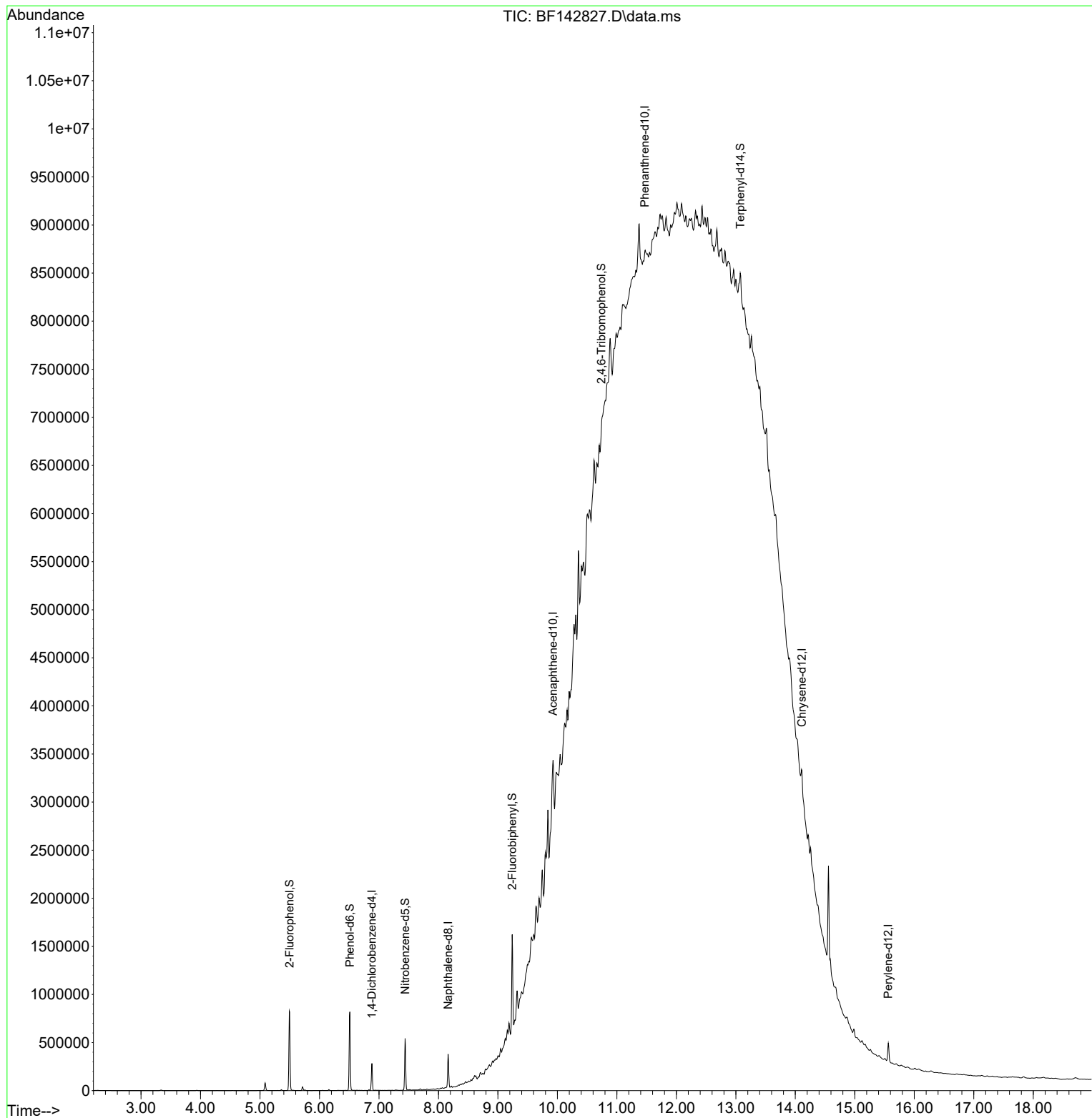
Target Compounds	Qvalue

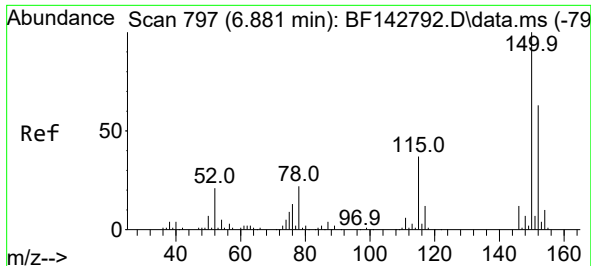
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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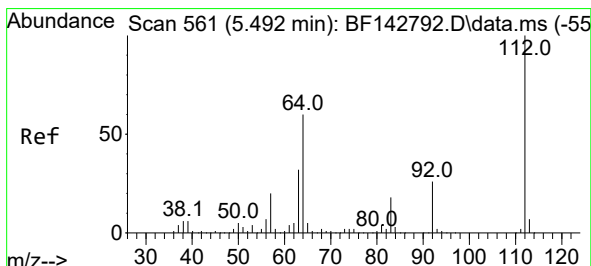
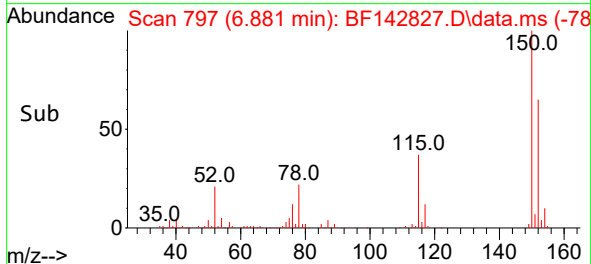
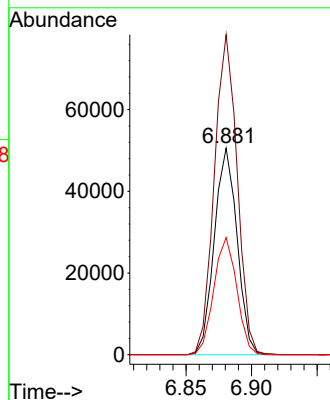
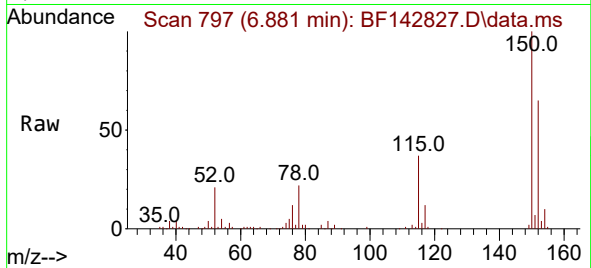




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

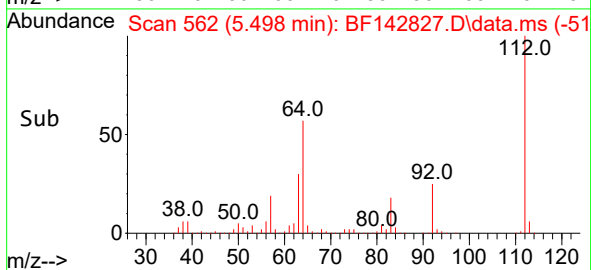
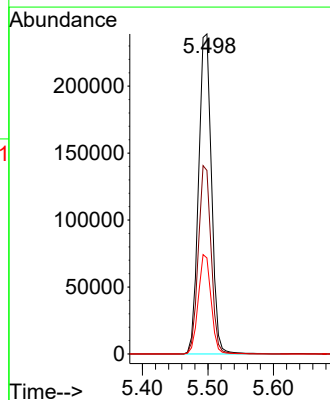
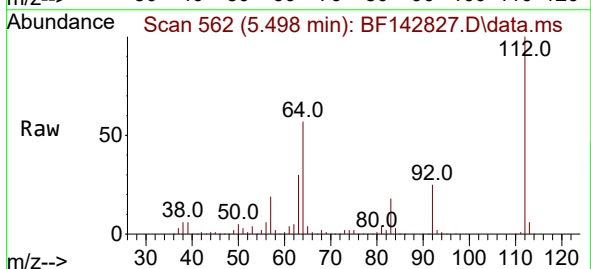
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0036

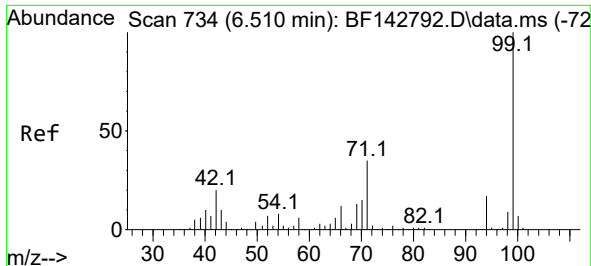
Tgt Ion:152 Resp: 61043
 Ion Ratio Lower Upper
 152 100
 150 154.9 127.2 190.8
 115 56.7 46.6 69.8



#5
 2-Fluorophenol
 Concen: 89.319 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

Tgt Ion:112 Resp: 327479
 Ion Ratio Lower Upper
 112 100
 64 57.3 48.2 72.2
 63 30.0 25.7 38.5





#7

Phenol-d6

Concen: 86.309 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036

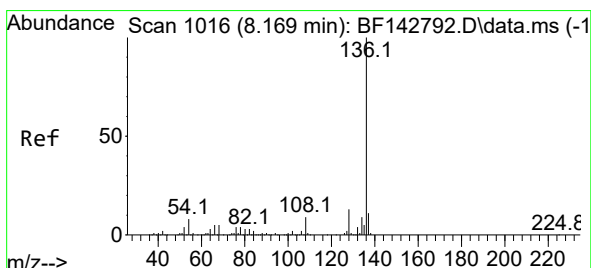
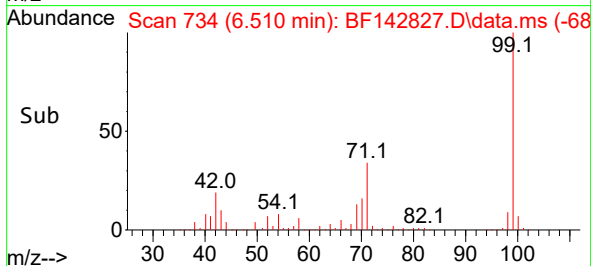
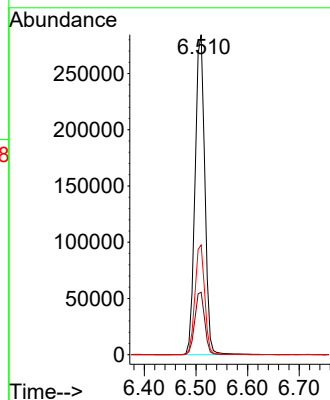
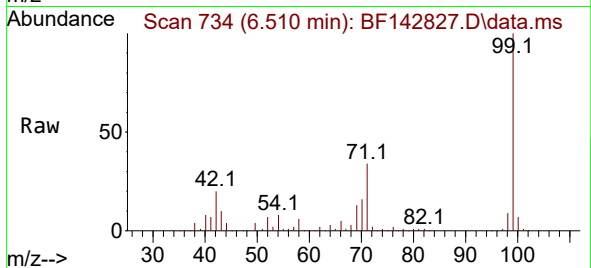
Tgt Ion: 99 Resp: 373343

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 34.3 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: BF142827.D

Acq: 24 Jun 2025 19:05

Tgt Ion:136 Resp: 216854

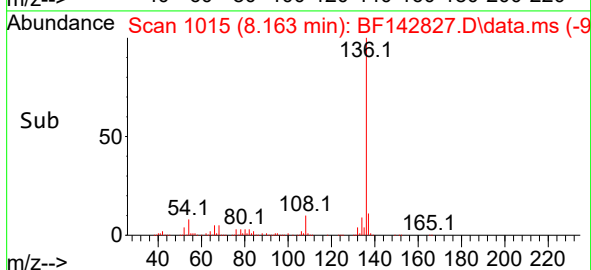
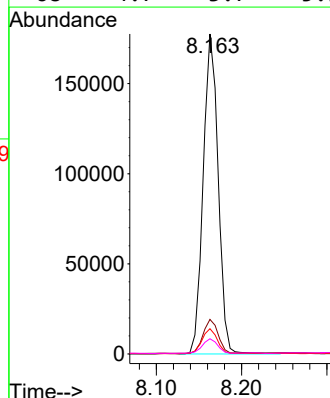
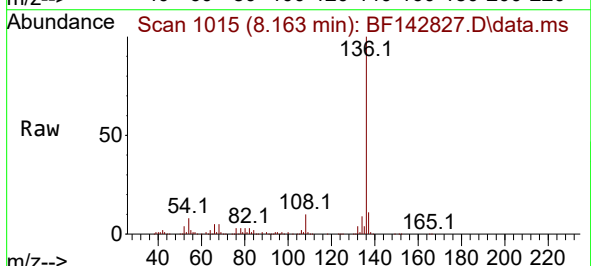
Ion Ratio Lower Upper

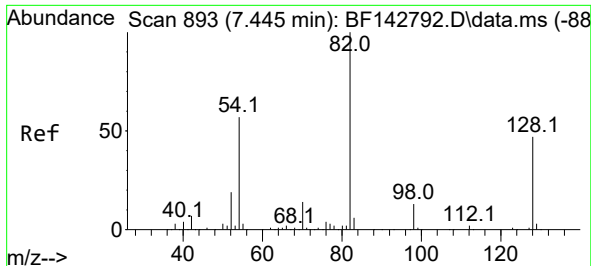
136 100

137 10.8 8.4 12.6

54 7.9 6.3 9.5

68 4.7 3.7 5.5

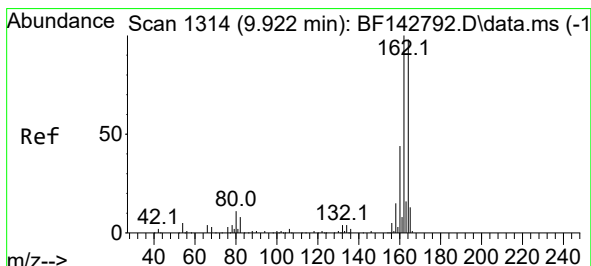
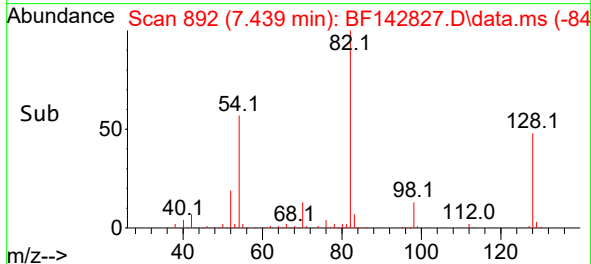
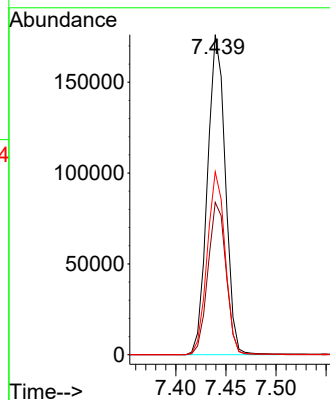
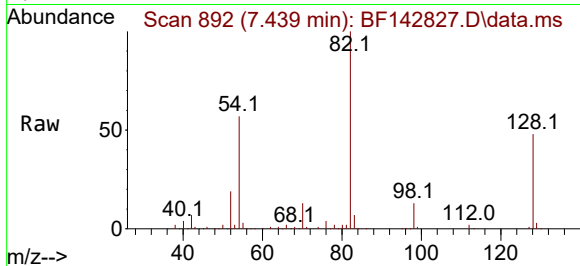




#23
Nitrobenzene-d5
Concen: 55.516 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

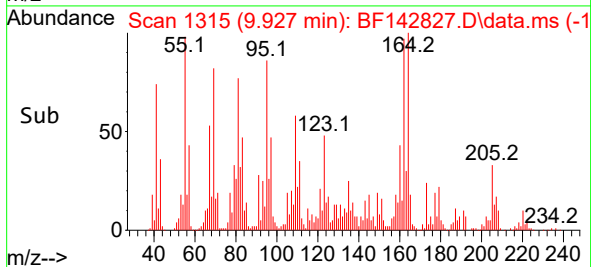
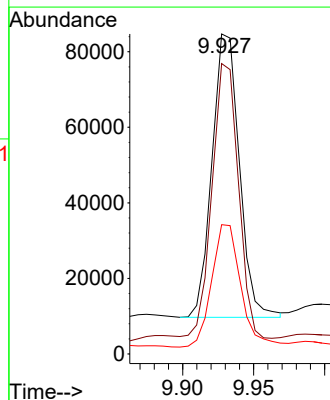
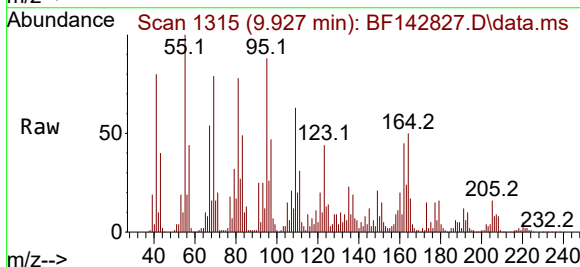
Instrument :
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ARS20-0036

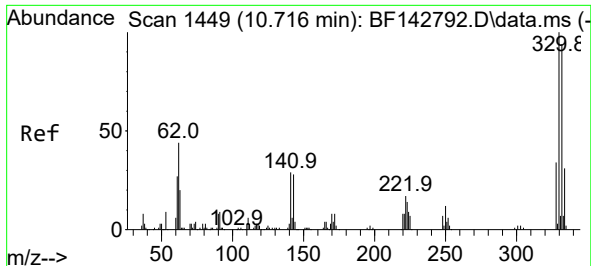
Tgt Ion: 82 Resp: 219484
Ion Ratio Lower Upper
82 100
128 47.6 37.7 56.5
54 57.1 45.7 68.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:164 Resp: 100383
Ion Ratio Lower Upper
164 100
162 90.8 81.8 122.8
160 40.4 36.0 54.0

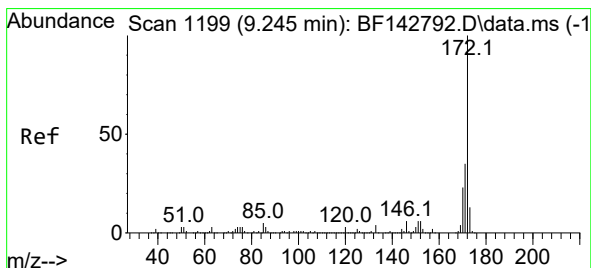
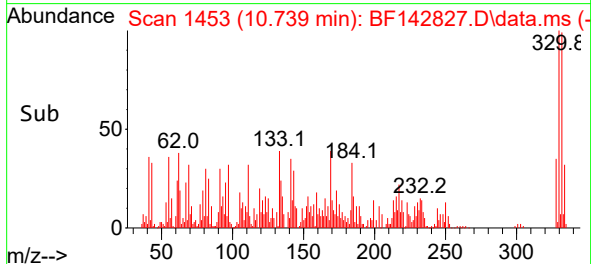
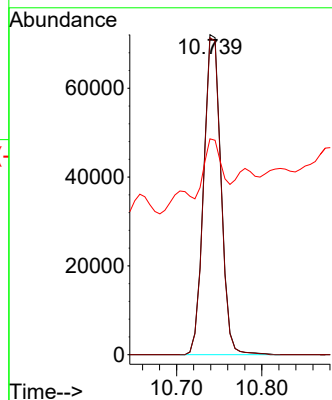
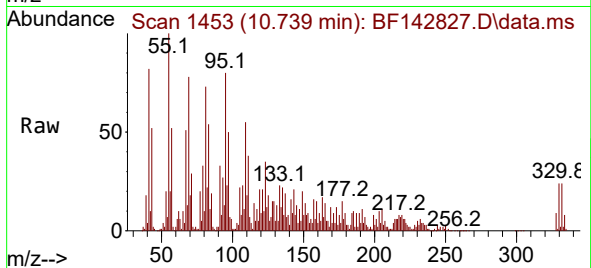




#42
2,4,6-Tribromophenol
Concen: 98.648 ng
RT: 10.739 min Scan# 1449
Delta R.T. 0.023 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

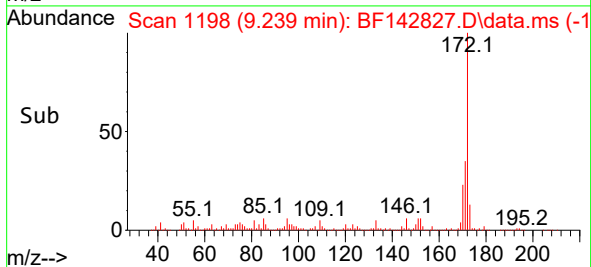
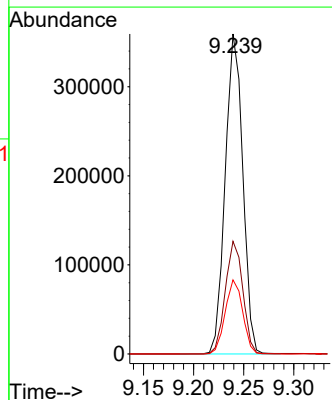
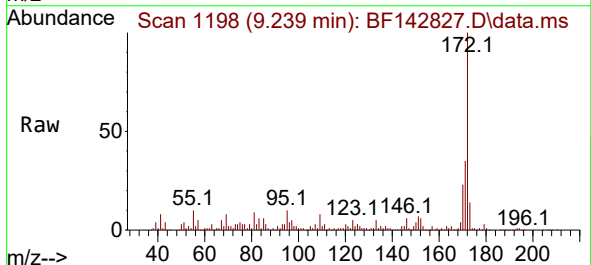
Instrument :
BNA_F
ClientSampleId :
ARS20-0036

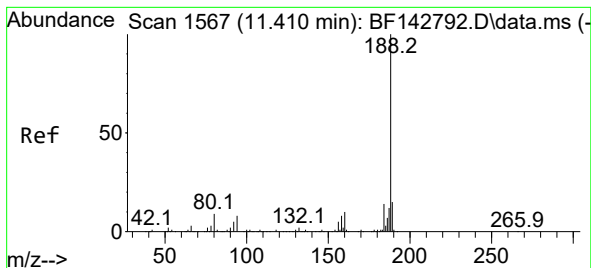
Tgt Ion:330 Resp: 101904
Ion Ratio Lower Upper
330 100
332 98.4 75.0 112.6
141 18.8 25.3 37.9#



#45
2-Fluorobiphenyl
Concen: 57.214 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142827.D
Acq: 24 Jun 2025 19:05

Tgt Ion:172 Resp: 437199
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng m

RT: 11.469 min Scan# 11

Delta R.T. 0.059 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

Instrument :

BNA_F

ClientSampleId :

ARS20-0036

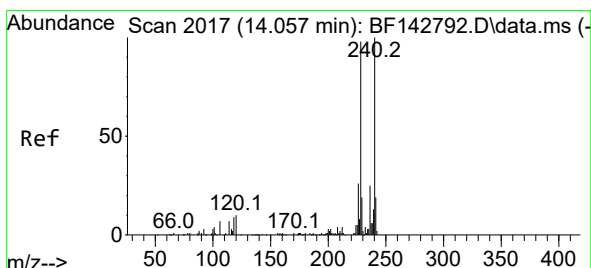
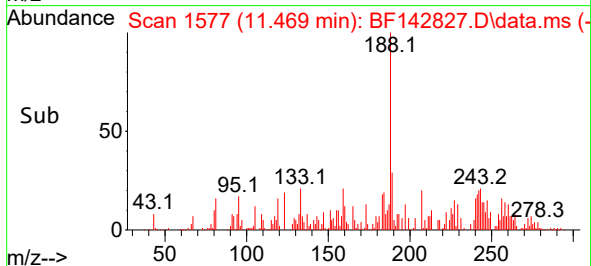
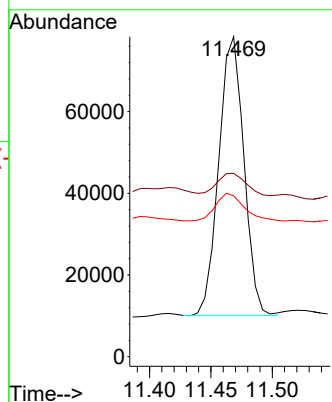
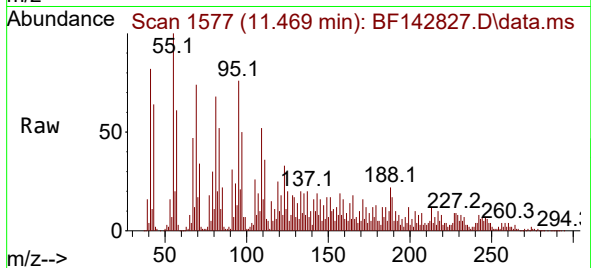
Tgt Ion:188 Resp: 96751

Ion Ratio Lower Upper

188 100

94 57.3 6.7 10.1#

80 50.3 6.9 10.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.053 min

Lab File: BF142827.D

Acq: 24 Jun 2025 19:05

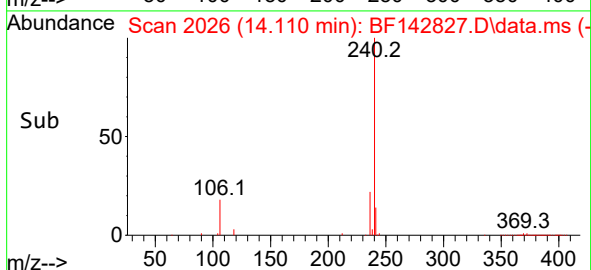
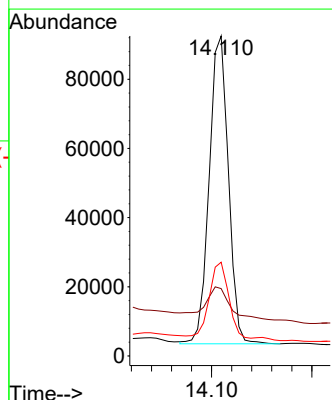
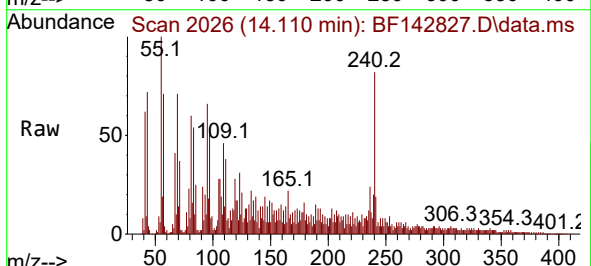
Tgt Ion:240 Resp: 118394

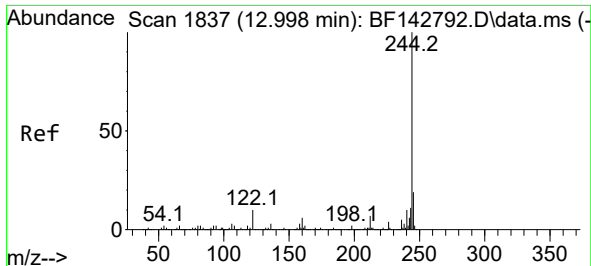
Ion Ratio Lower Upper

240 100

120 21.0 8.2 12.2#

236 29.3 19.8 29.8

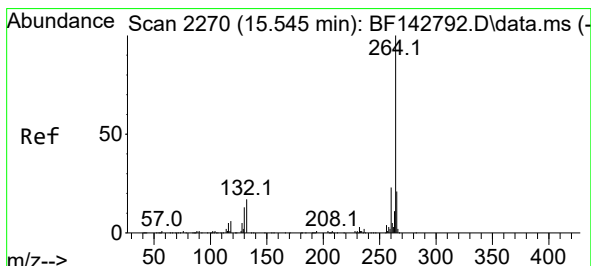
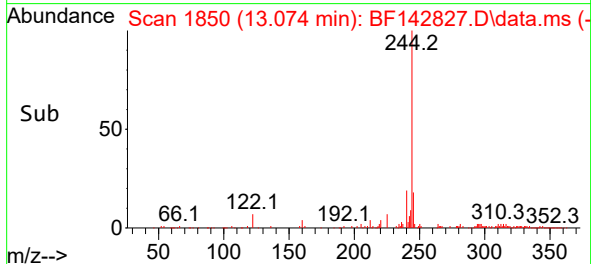
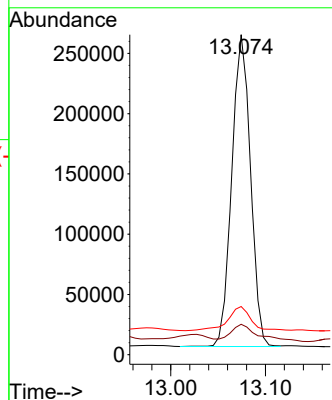
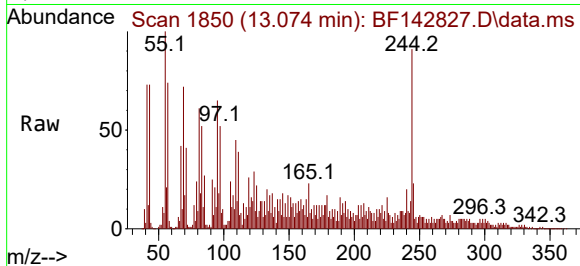




#79
 Terphenyl-d14
 Concen: 41.355 ng
 RT: 13.074 min Scan# 11
 Delta R.T. 0.076 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0036

Tgt Ion:244 Resp: 354359
 Ion Ratio Lower Upper
 244 100
 212 9.5 5.4 8.0#
 122 15.0 8.2 12.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. 0.018 min
 Lab File: BF142827.D
 Acq: 24 Jun 2025 19:05

Tgt Ion:264 Resp: 106277
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.1 27.1
 265 22.4 16.6 25.0

