

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142614.D
 Acq On : 04 Jun 2025 18:47
 Operator : RC/JU
 Sample : Q2173-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-400-CF-402B-COMP-24

Quant Time: Jun 05 01:26:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	121078	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	450379	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	225674	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	315686	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	216925	20.000	ng	-0.01
86) Perylene-d12	15.557	264	267402	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	812725	113.088	ng	0.01
7) Phenol-d6	6.522	99	889245	102.790	ng	-0.01
23) Nitrobenzene-d5	7.457	82	658146	79.684	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	280577	112.020	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1309800	77.881	ng	-0.02
79) Terphenyl-d14	13.010	244	973049	61.298	ng	0.00

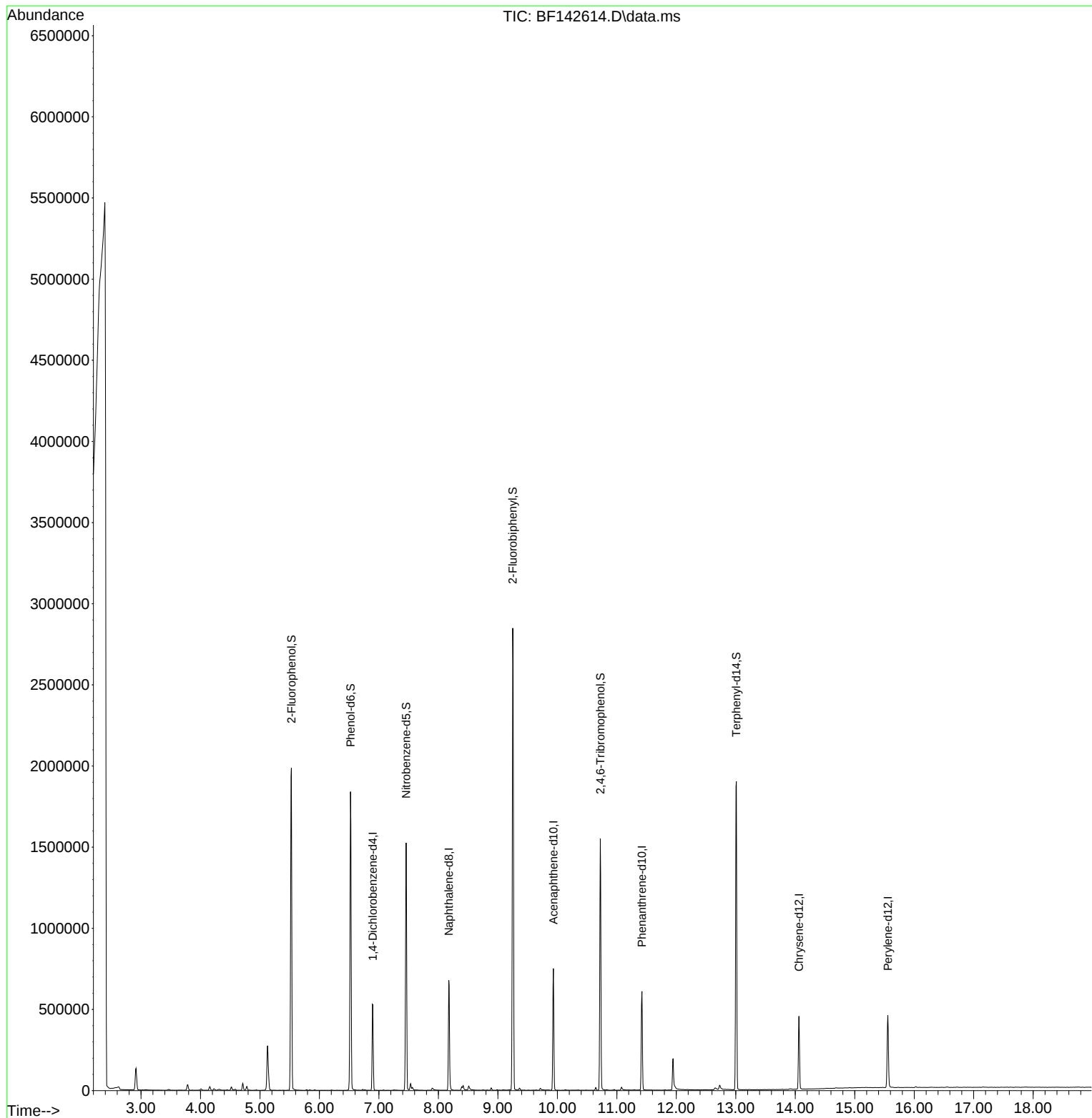
Target Compounds	Qvalue

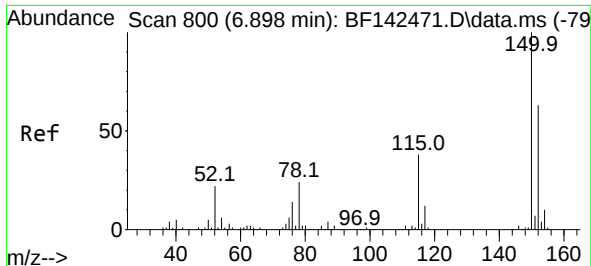
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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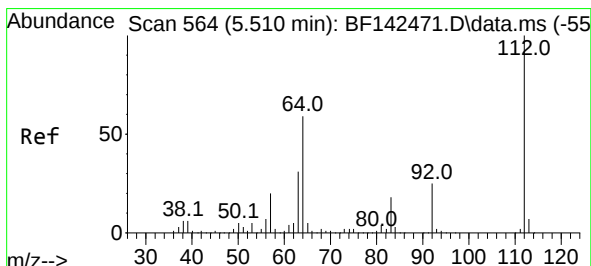
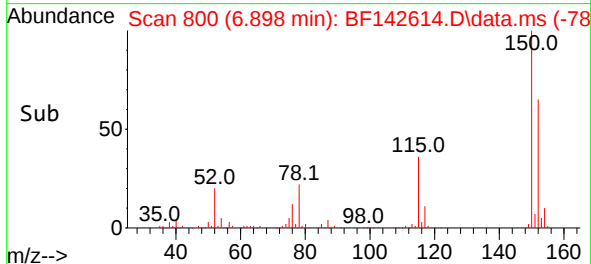
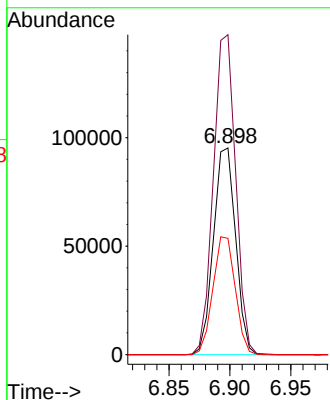
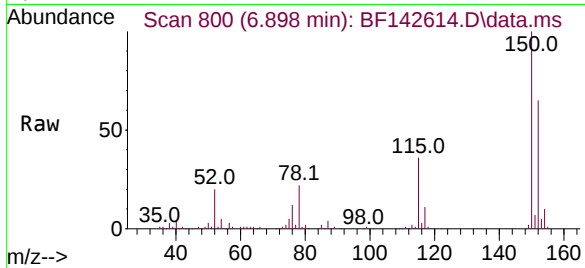




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142614.D
Acq: 04 Jun 2025 18:47

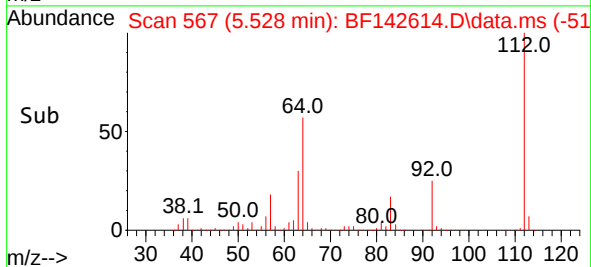
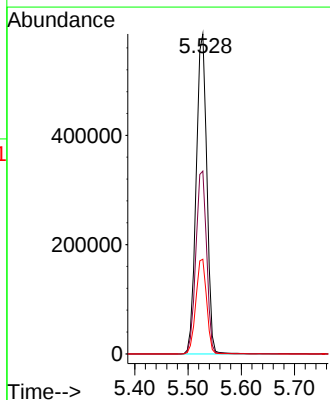
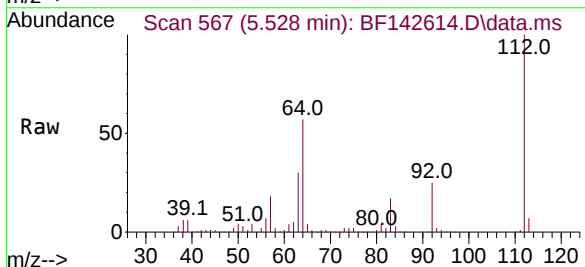
Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

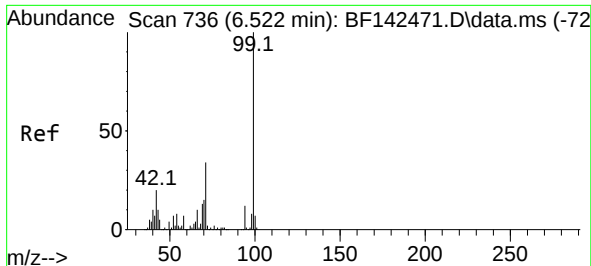
Tgt Ion:152 Resp: 121078
Ion Ratio Lower Upper
152 100
150 154.9 128.2 192.4
115 56.3 48.3 72.5



#5
2-Fluorophenol
Concen: 113.088 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142614.D
Acq: 04 Jun 2025 18:47

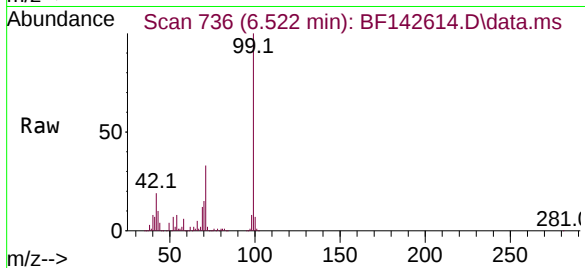
Tgt Ion:112 Resp: 812725
Ion Ratio Lower Upper
112 100
64 57.1 47.5 71.3
63 29.6 24.9 37.3



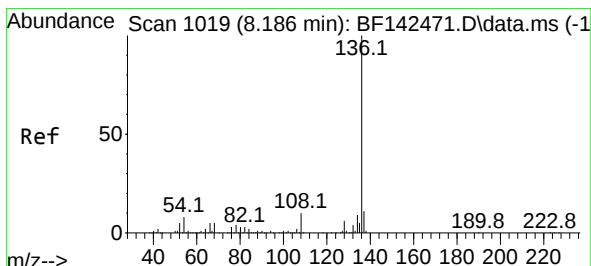
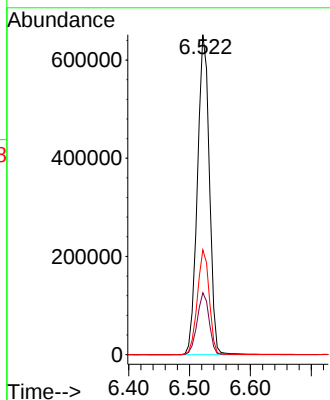
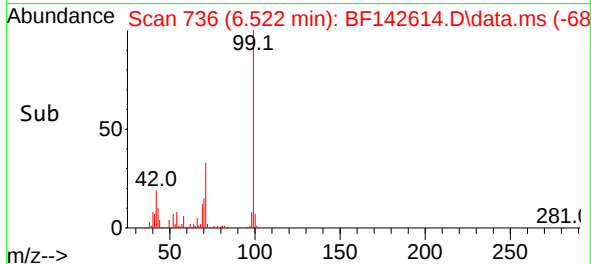


#7
Phenol-d6
Concen: 102.790 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF142614.D
Acq: 04 Jun 2025 18:47

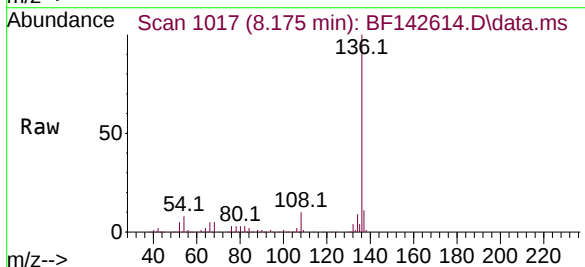
Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24



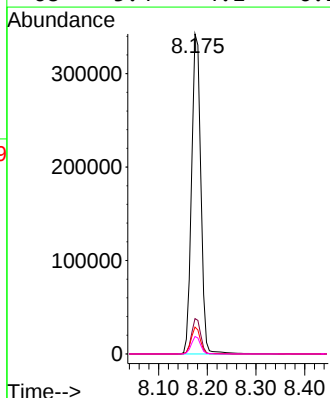
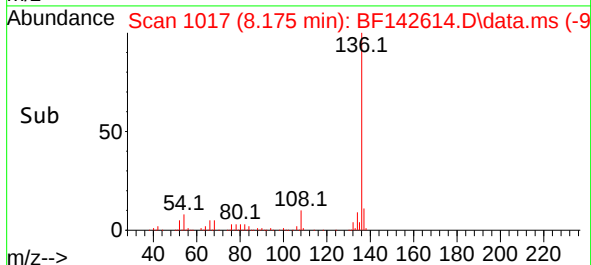
Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.2	24.2
71	32.7	27.3	40.9

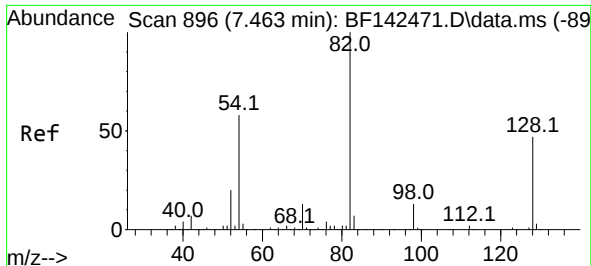


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142614.D
Acq: 04 Jun 2025 18:47



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.4	6.6	10.0
68	5.4	4.1	6.1





#23

Nitrobenzene-d5

Concen: 79.684 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142614.D

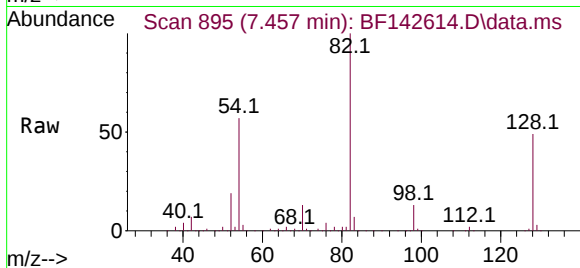
Acq: 04 Jun 2025 18:47

Instrument :

BNA_F

ClientSampleId :

OR-400-CF-402B-COMP-24



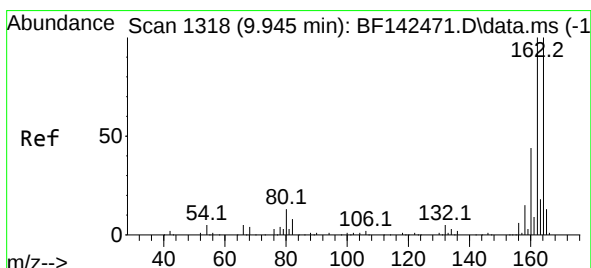
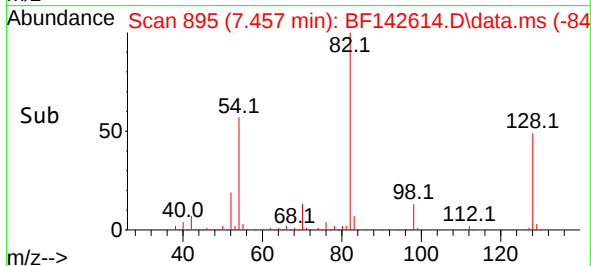
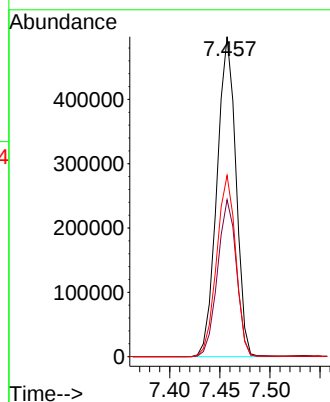
Tgt Ion: 82 Resp: 658146

Ion Ratio Lower Upper

82 100

128 49.0 37.4 56.2

54 56.6 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142614.D

Acq: 04 Jun 2025 18:47

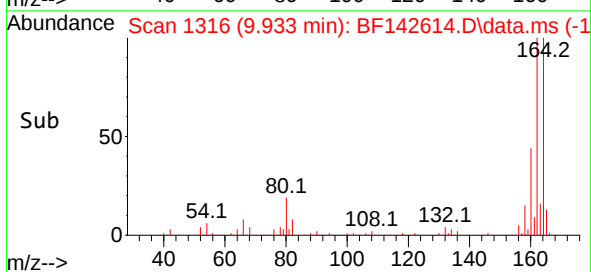
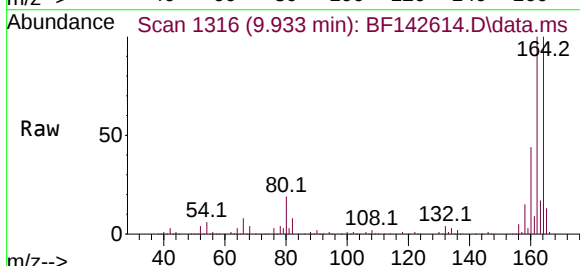
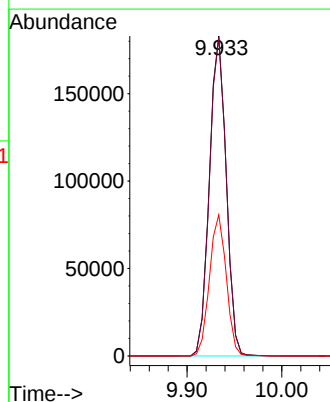
Tgt Ion:164 Resp: 225674

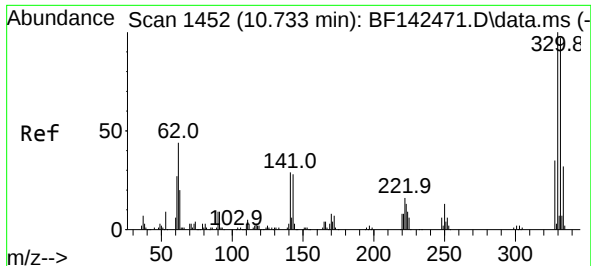
Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.4

160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 112.020 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142614.D

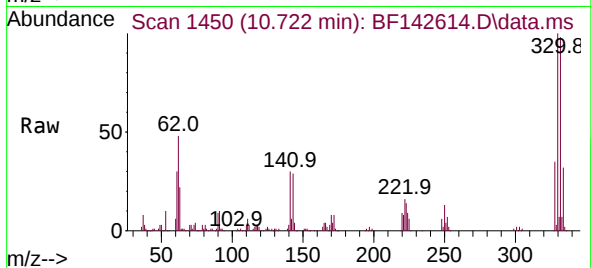
Acq: 04 Jun 2025 18:47

Instrument :

BNA_F

ClientSampleId :

OR-400-CF-402B-COMP-24



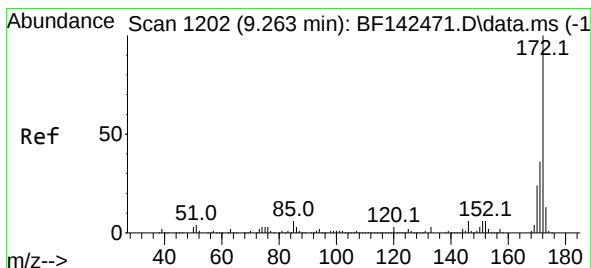
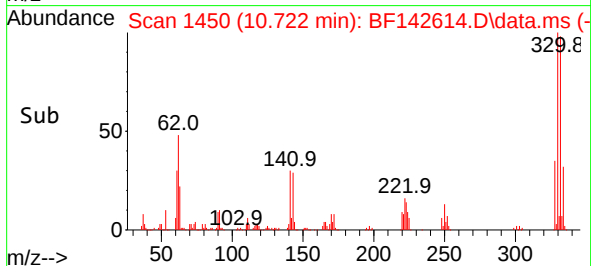
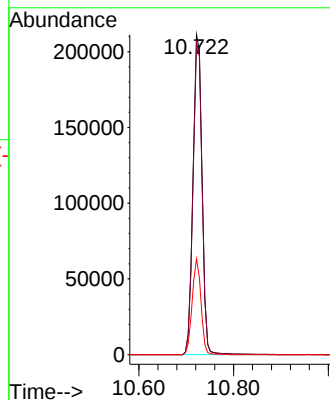
Tgt Ion:330 Resp: 280577

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 29.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 77.881 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142614.D

Acq: 04 Jun 2025 18:47

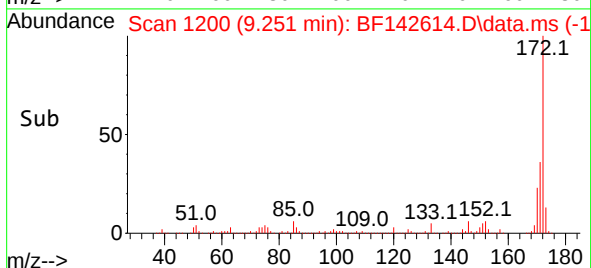
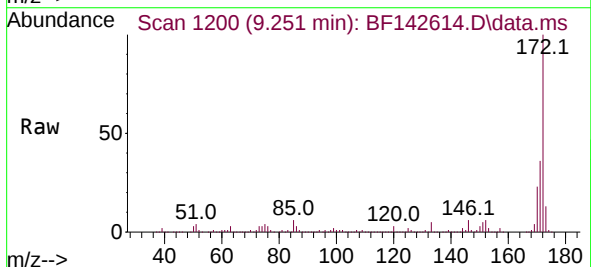
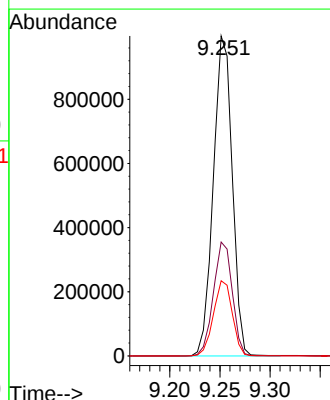
Tgt Ion:172 Resp: 1309800

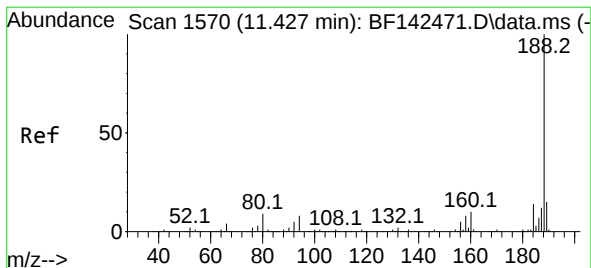
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142614.D

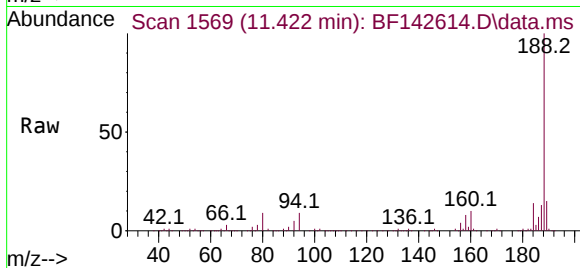
Acq: 04 Jun 2025 18:47

Instrument :

BNA_F

ClientSampleId :

OR-400-CF-402B-COMP-24



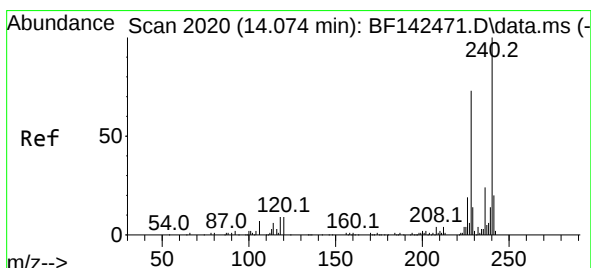
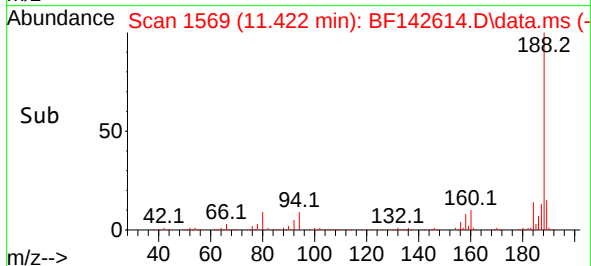
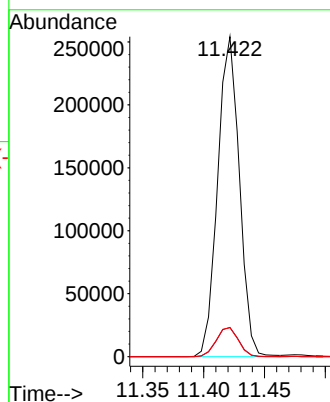
Tgt Ion:188 Resp: 315686

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.0 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142614.D

Acq: 04 Jun 2025 18:47

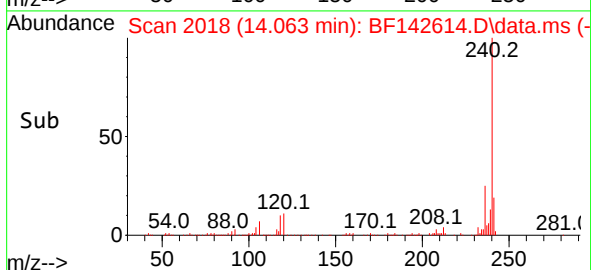
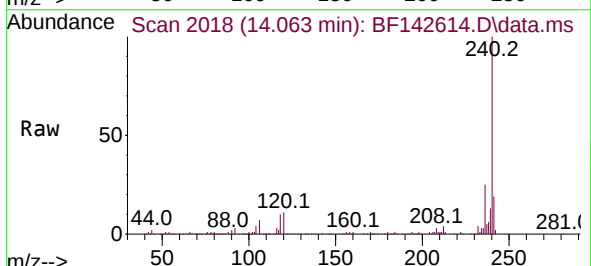
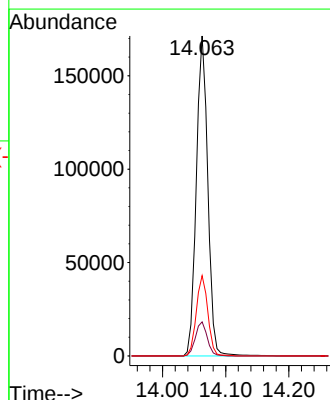
Tgt Ion:240 Resp: 216925

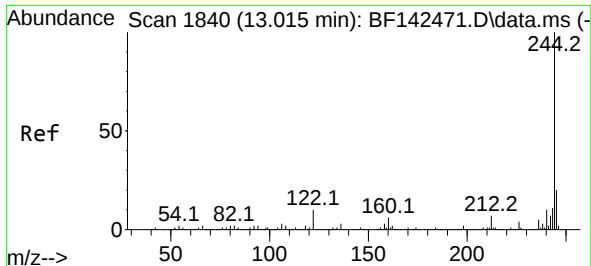
Ion Ratio Lower Upper

240 100

120 10.6 7.5 11.3

236 25.1 19.6 29.4

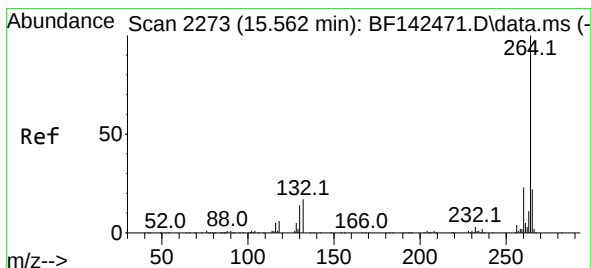
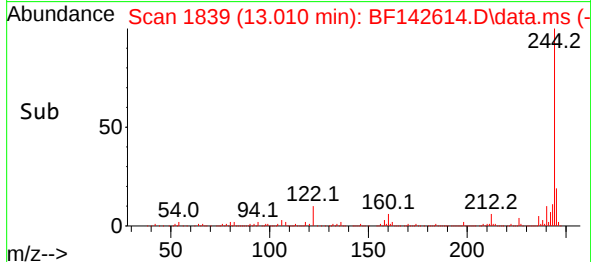
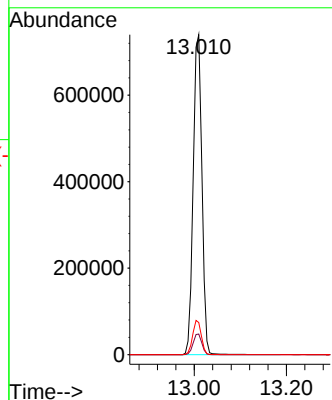
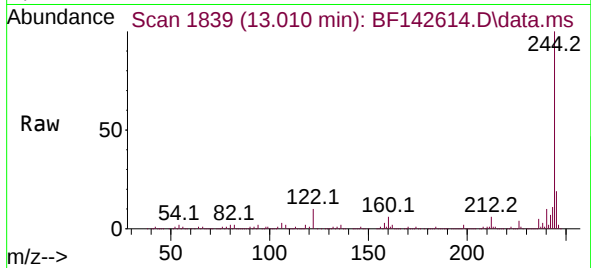




#79
 Terphenyl-d14
 Concen: 61.298 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142614.D
 Acq: 04 Jun 2025 18:47

Instrument :
 BNA_F
 ClientSampleId :
 OR-400-CF-402B-COMP-24

Tgt Ion:244 Resp: 973049
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.0 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142614.D
 Acq: 04 Jun 2025 18:47

Tgt Ion:264 Resp: 267402
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.2 17.7 26.5

