

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142036.D
 Acq On : 21 Mar 2025 18:20
 Operator : RC/JU
 Sample : Q1611-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Quant Time: Mar 21 18:43:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

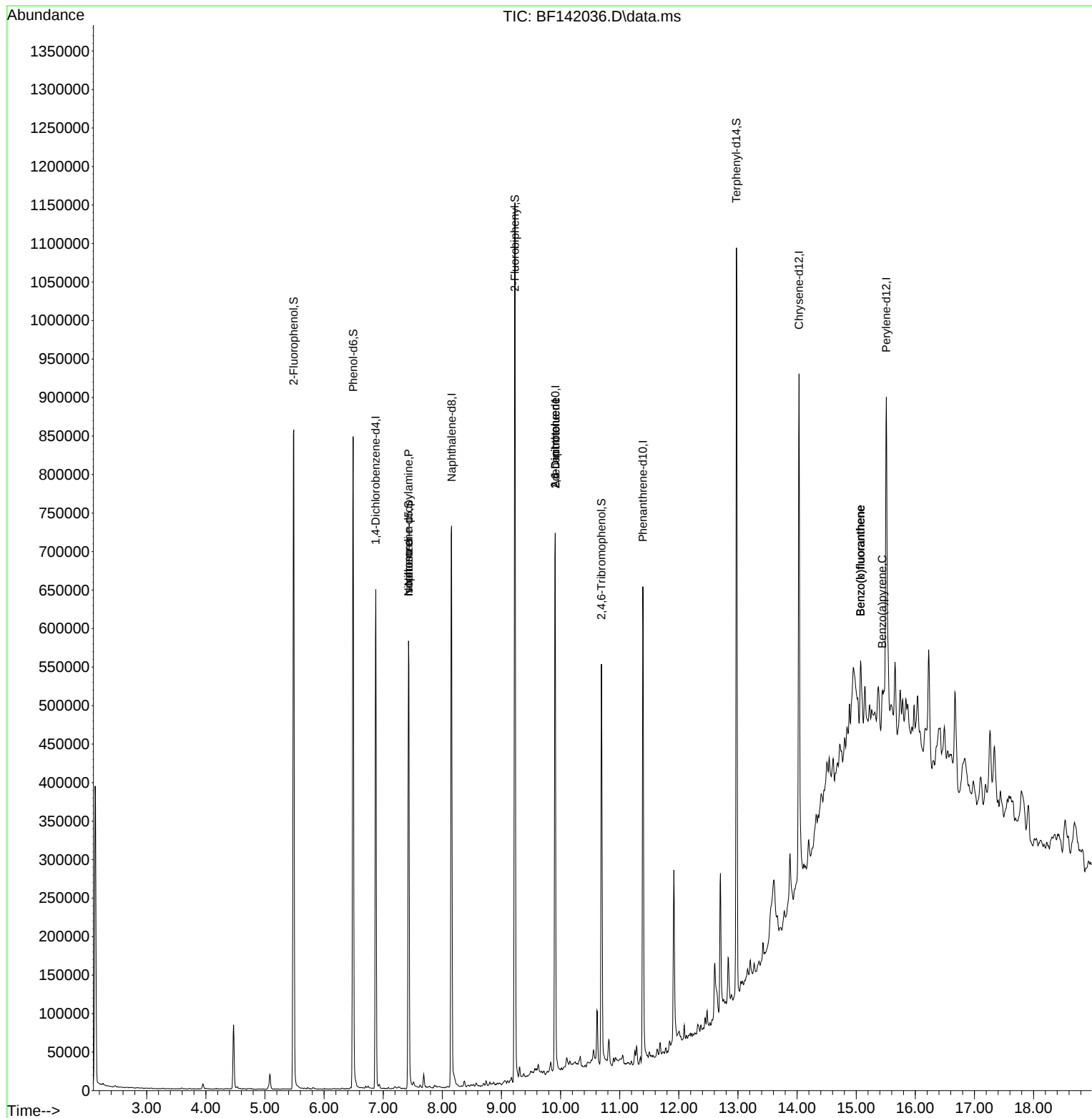
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	139368	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	495159	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	213679	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	321895	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	311141	20.000	ng	0.00
86) Perylene-d12	15.509	264	251809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	343264	41.107	ng	0.00
7) Phenol-d6	6.492	99	401333	37.747	ng	-0.01
23) Nitrobenzene-d5	7.428	82	274385	31.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	94046	34.693	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	511004	36.370	ng	-0.01
79) Terphenyl-d14	12.974	244	497389	23.635	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	36407	5.329	ng	# 78
25) Isophorone	7.428	82	267037	17.169	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	28420	9.122	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	28487	7.001	ng	# 24
88) Benzo(b)fluoranthene	15.074	252	61506	3.564	ng	# 81
89) Benzo(k)fluoranthene	15.074	252	61506	4.165	ng	# 82
90) Benzo(a)pyrene	15.439	252	29457	2.181	ng	# 76

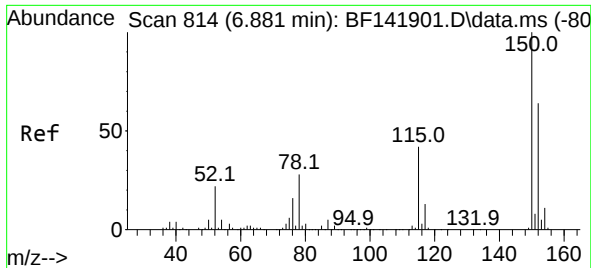
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 15 Sample Multiplier: 1

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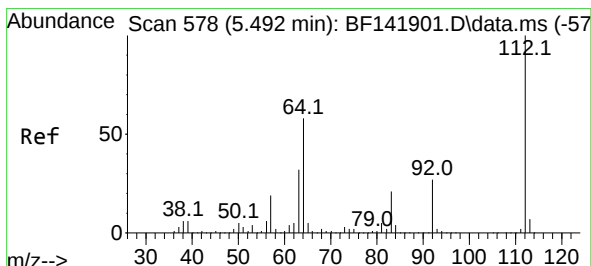
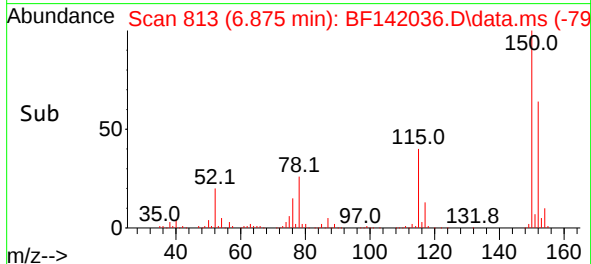
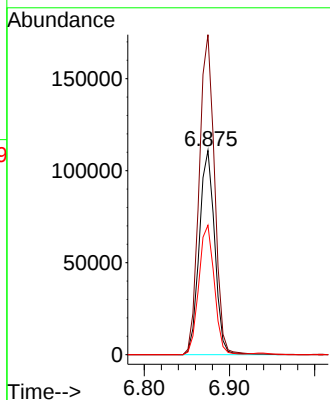
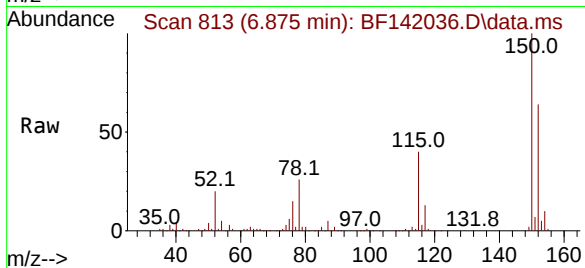




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

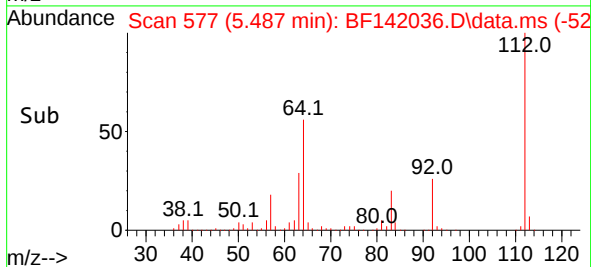
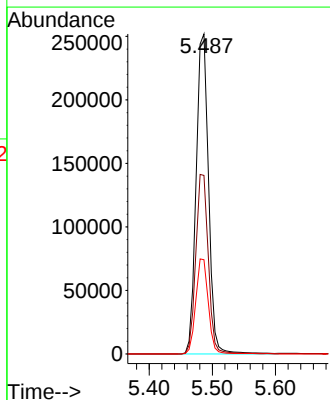
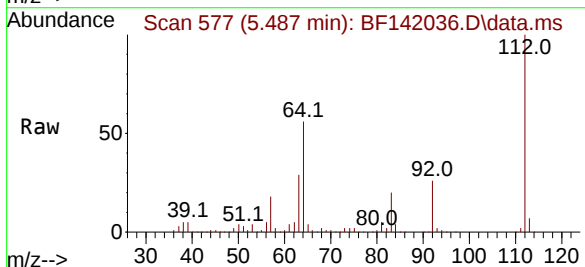
Instrument :
BNA_F
ClientSampleId :
RBR200030

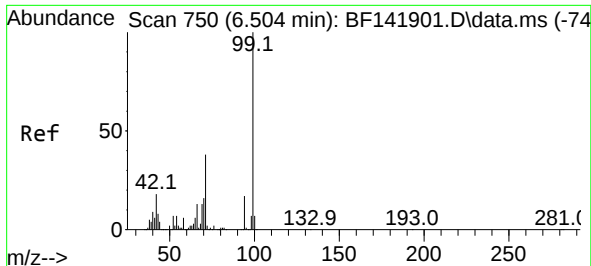
Tgt Ion:152 Resp: 139368
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.2
115 63.4 51.9 77.9



#5
2-Fluorophenol
Concen: 41.107 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion:112 Resp: 343264
Ion Ratio Lower Upper
112 100
64 55.8 46.5 69.7
63 29.5 25.4 38.2

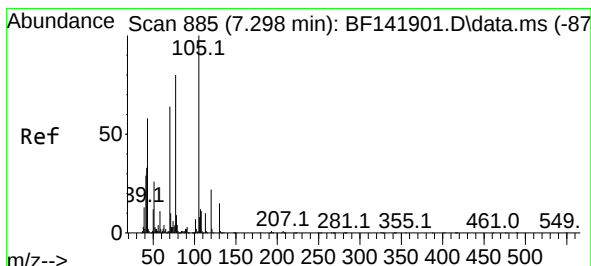
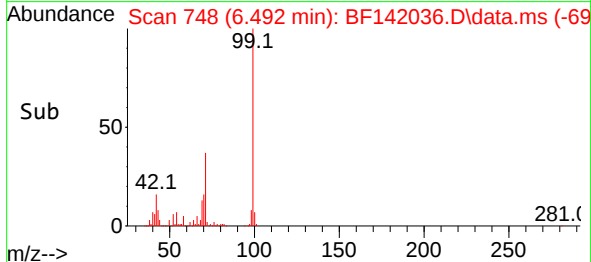
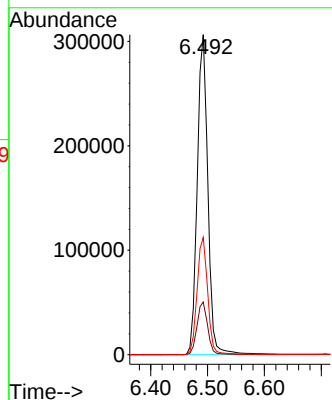
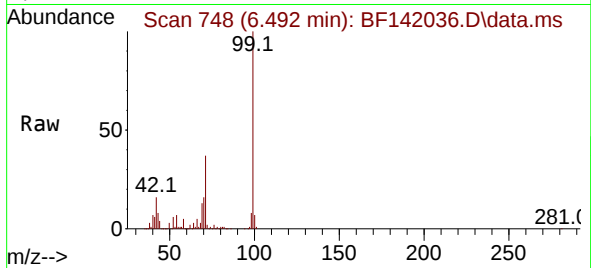




#7
Phenol-d6
Concen: 37.747 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

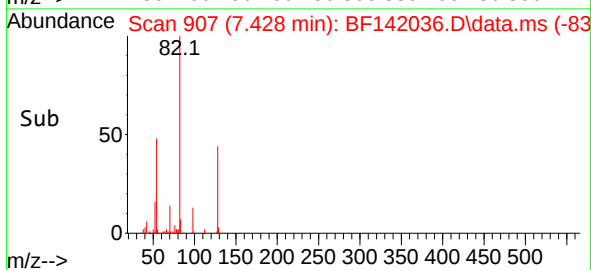
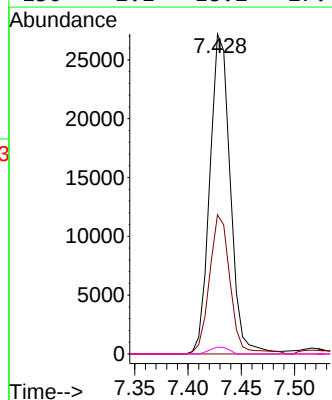
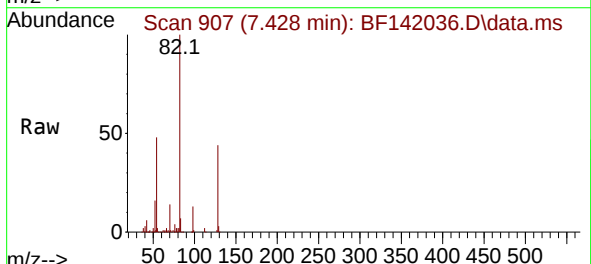
Instrument :
BNA_F
ClientSampleId :
RBR200030

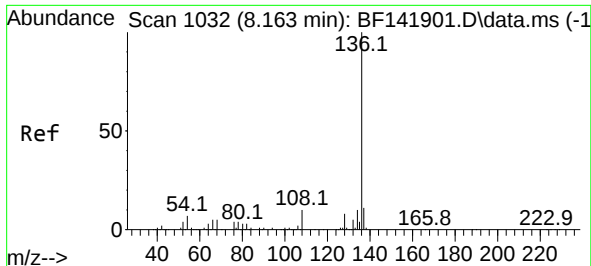
Tgt Ion:	99	Resp:	401333
Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.6	21.8
71	36.6	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.329 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion:	70	Resp:	36407
Ion	Ratio	Lower	Upper
70	100		
42	43.5	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#

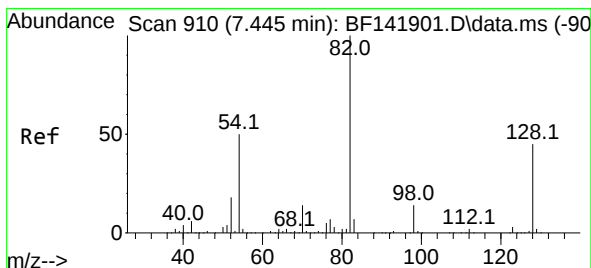
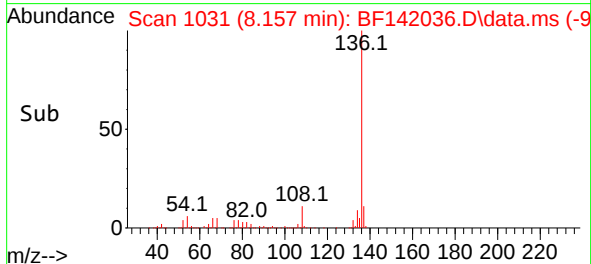
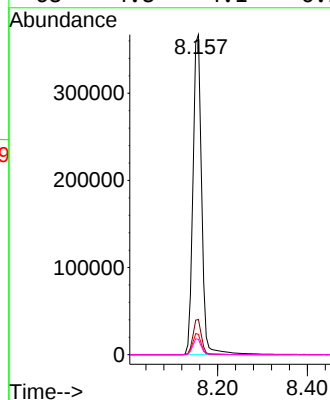
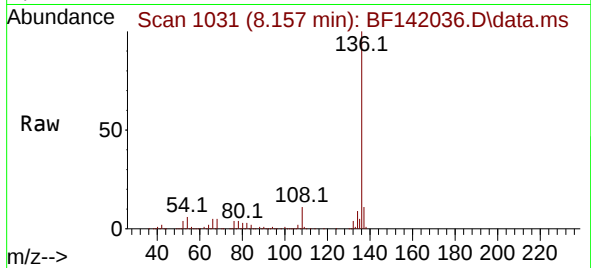




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

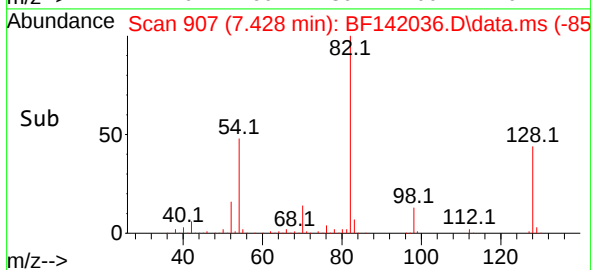
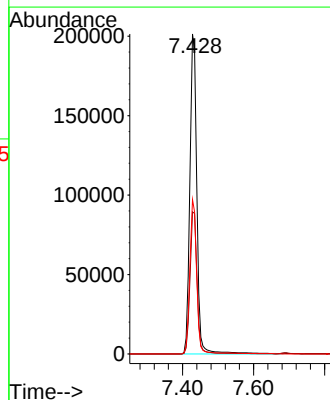
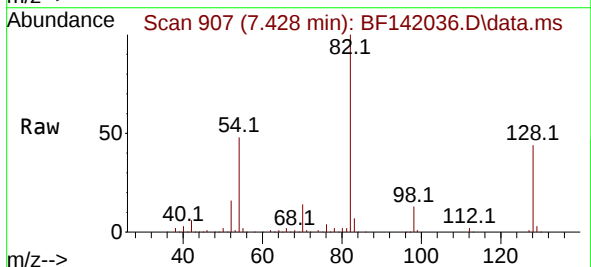
Instrument :
BNA_F
ClientSampleId :
RBR200030

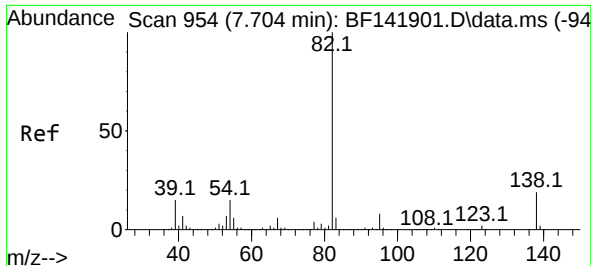
Tgt Ion:136 Resp: 495159
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.4 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 31.184 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion: 82 Resp: 274385
Ion Ratio Lower Upper
82 100
128 44.4 36.0 54.0
54 48.3 39.6 59.4

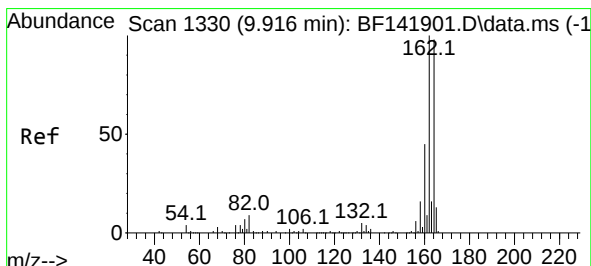
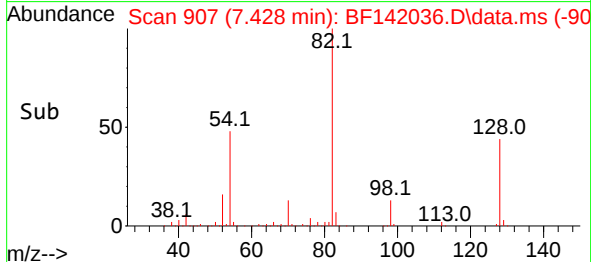
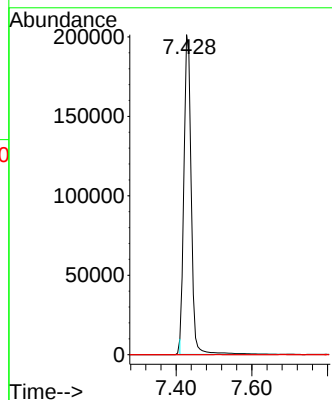
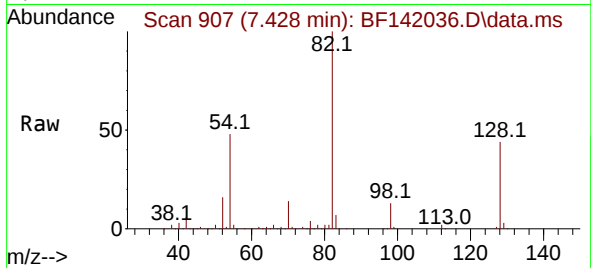




#25
Isophorone
Concen: 17.169 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

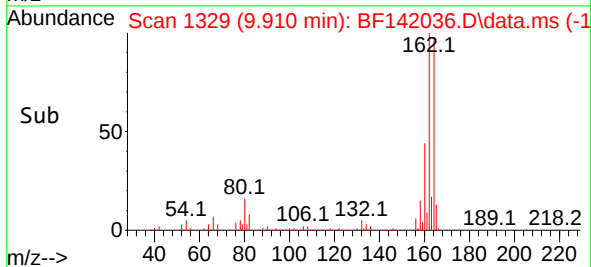
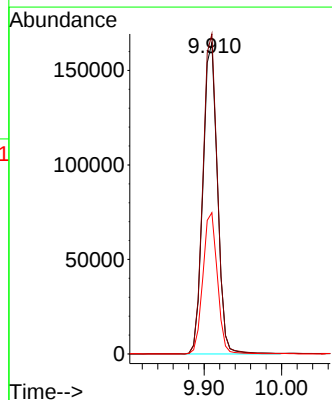
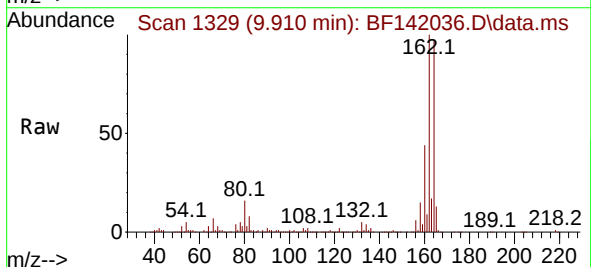
Instrument :
BNA_F
ClientSampleId :
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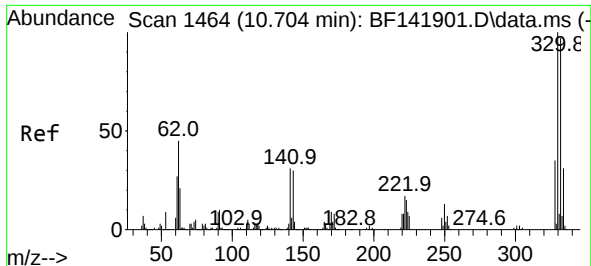
Tgt Ion: 82 Resp: 267037
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion:164 Resp: 213679
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 34.693 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

RBR200030

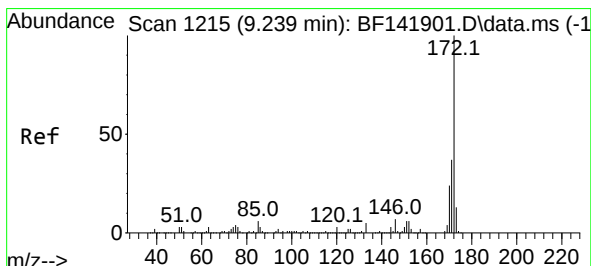
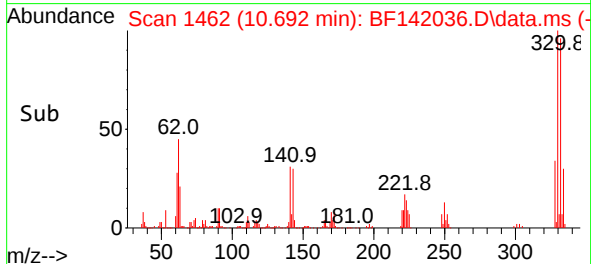
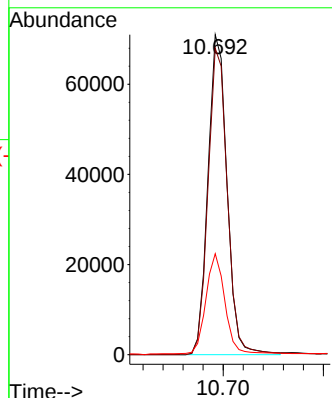
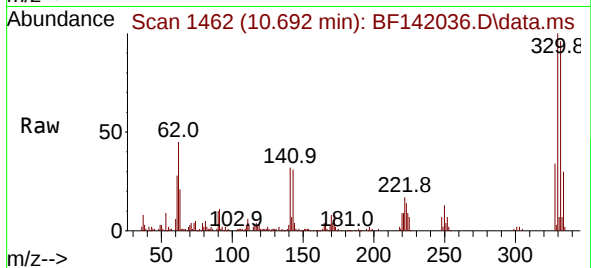
Tgt Ion:330 Resp: 94046

Ion Ratio Lower Upper

330 100

332 97.8 77.6 116.4

141 33.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 36.370 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

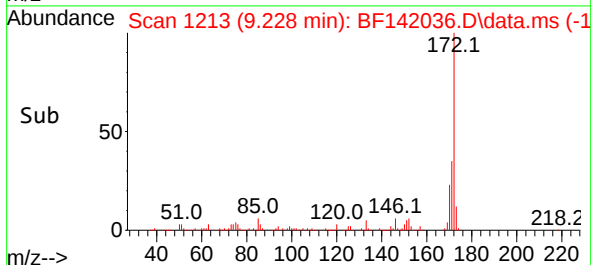
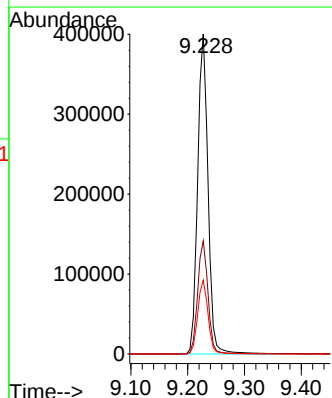
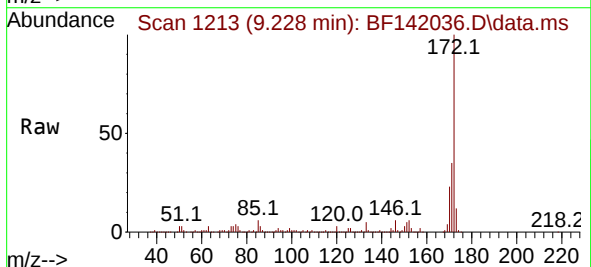
Tgt Ion:172 Resp: 511004

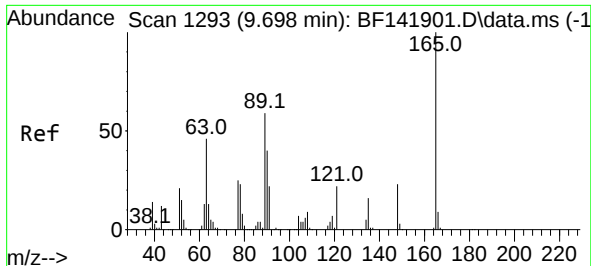
Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

170 23.1 19.4 29.0

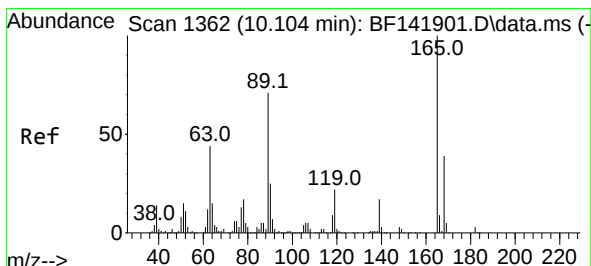
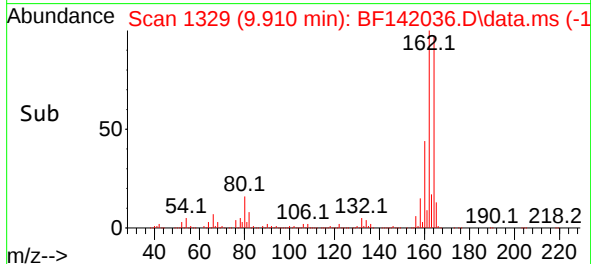
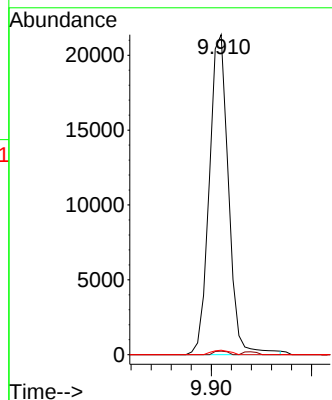
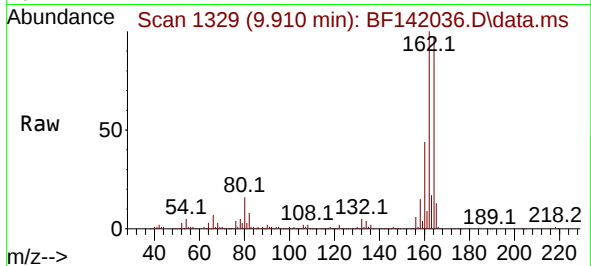




#51
2,6-Dinitrotoluene
Concen: 9.122 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

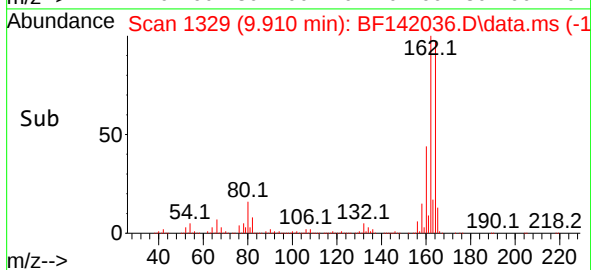
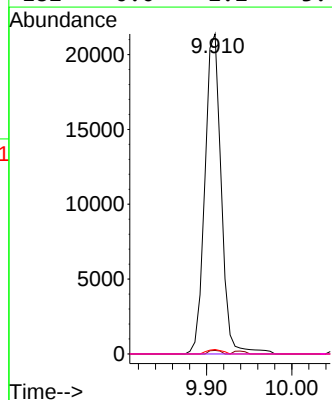
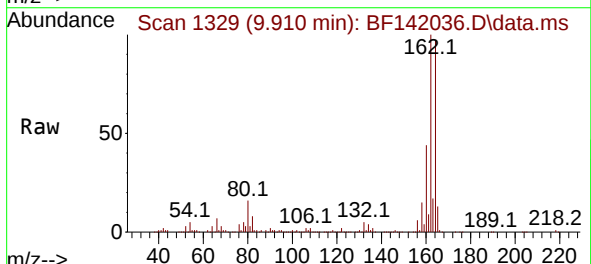
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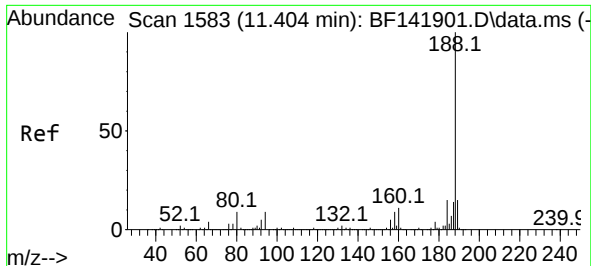
Tgt Ion:165 Resp: 28420
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 7.001 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion:165 Resp: 28487
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

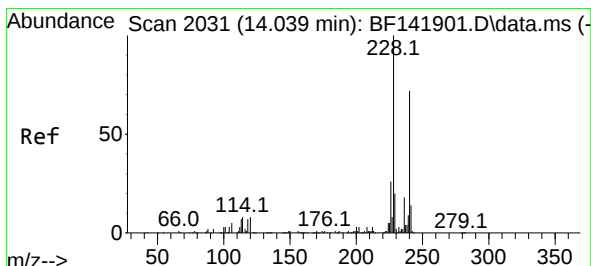
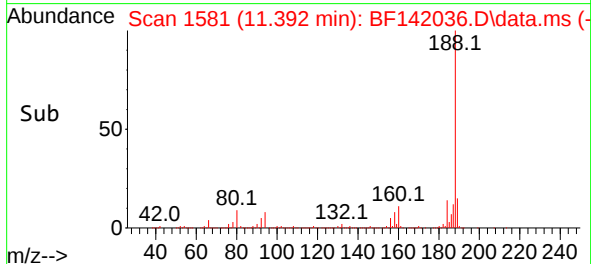
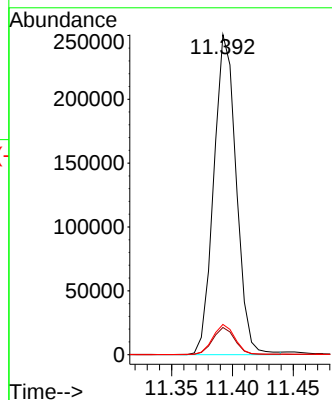
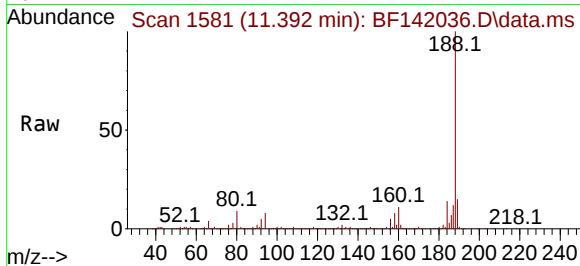




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

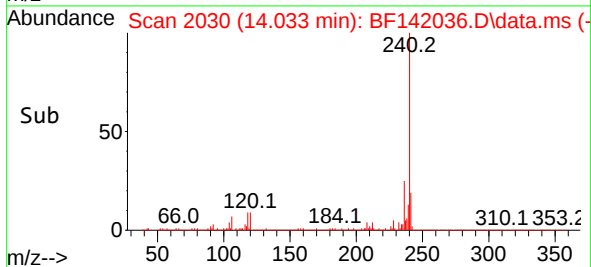
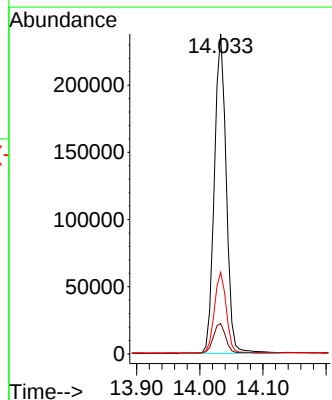
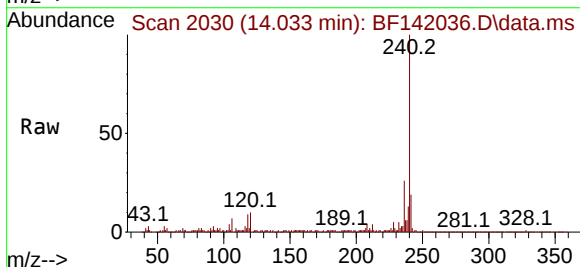
Instrument :
BNA_F
ClientSampleId :
RBR200030

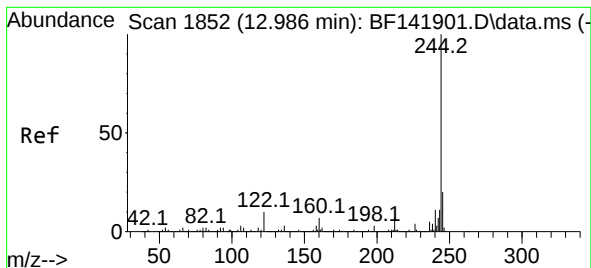
Tgt Ion:188 Resp: 321895
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.5 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion:240 Resp: 311141
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.6 20.5 30.7





#79

Terphenyl-d14

Concen: 23.635 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

RBR200030

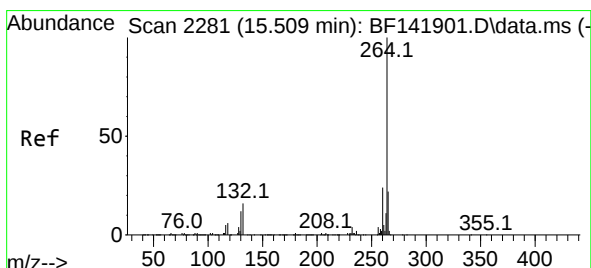
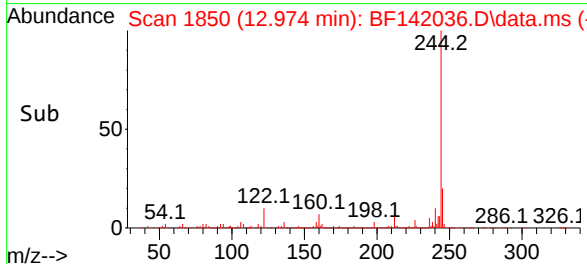
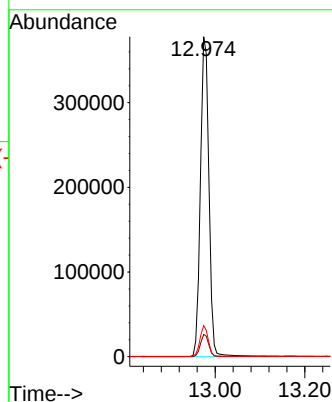
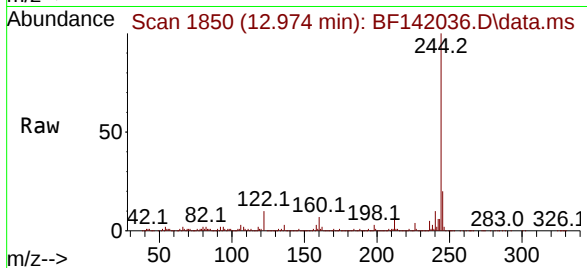
Tgt Ion:244 Resp: 497389

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.7 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

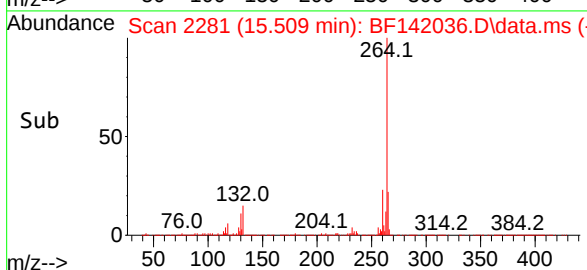
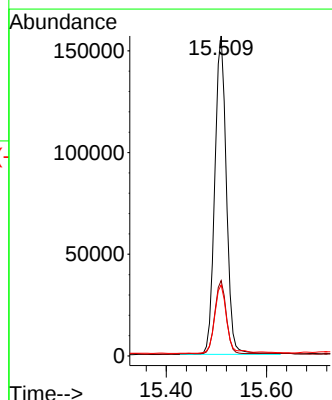
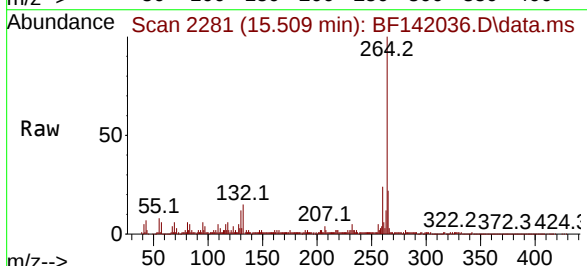
Tgt Ion:264 Resp: 251809

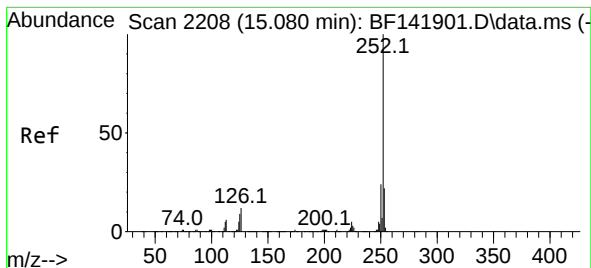
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.564 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

RBR200030

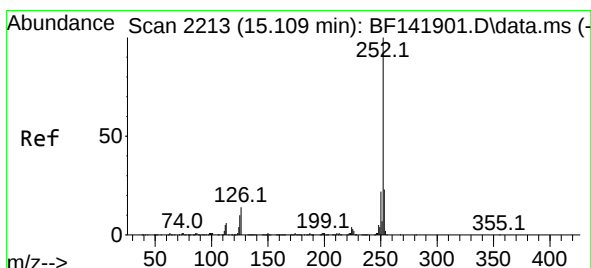
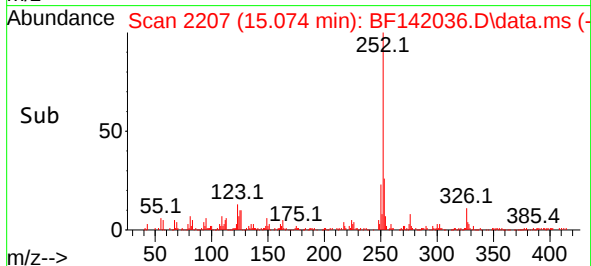
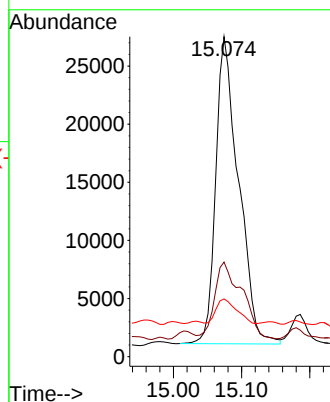
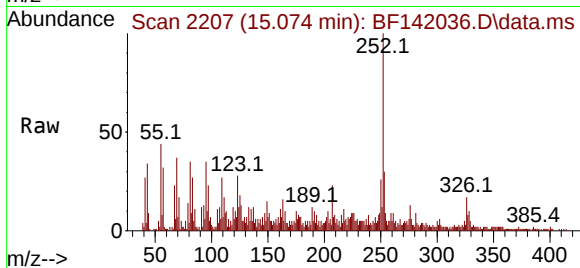
Tgt Ion:252 Resp: 61506

Ion Ratio Lower Upper

252 100

253 29.6 17.5 26.3#

125 18.1 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 4.165 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

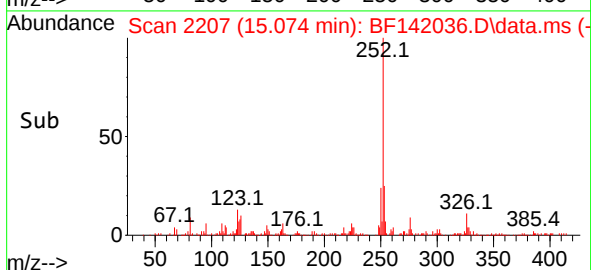
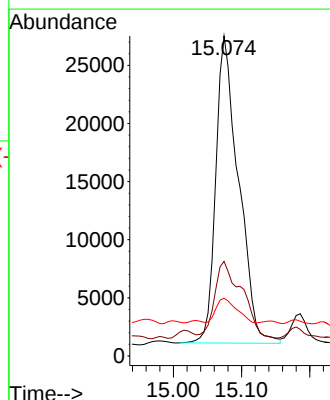
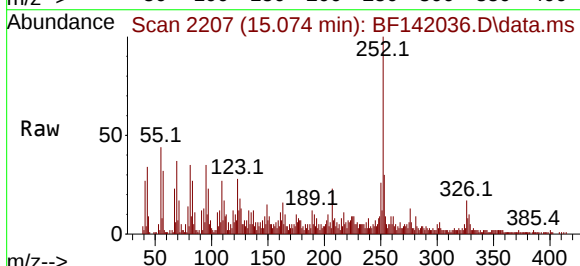
Tgt Ion:252 Resp: 61506

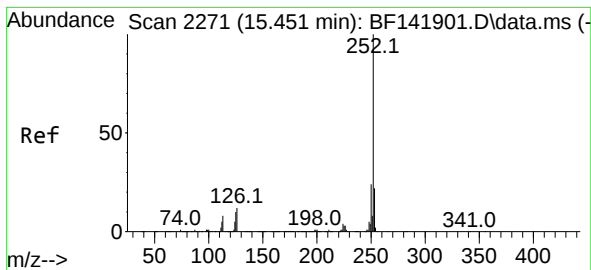
Ion Ratio Lower Upper

252 100

253 29.6 17.7 26.5#

125 18.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.181 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142036.D

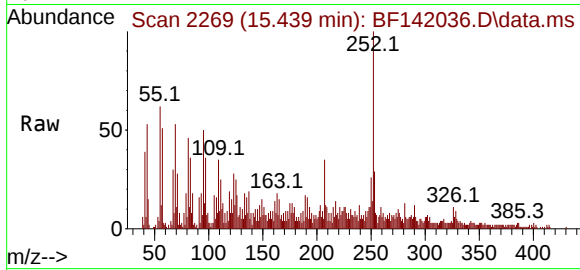
Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

RBR200030



Tgt Ion:252 Resp: 29457

Ion Ratio Lower Upper

252 100

253 29.5 17.4 26.0#

125 25.1 7.8 11.8#

