

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143719.D
 Acq On : 11 Sep 2025 21:25
 Operator : RC/JU
 Sample : Q3075-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0254-0256

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 12 04:40:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	41514	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	156234	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	78787	20.000	ng	0.00
64) Phenanthrene-d10	11.415	188	107015	20.000	ng	0.00
76) Chrysene-d12	14.056	240	107592	20.000	ng	0.01
86) Perylene-d12	15.539	264	75688	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	181475	74.583	ng	0.00
7) Phenol-d6	6.510	99	218949	73.902	ng	0.00
23) Nitrobenzene-d5	7.451	82	128868	51.305	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	46373	58.405	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	252048	48.326	ng	0.00
79) Terphenyl-d14	13.004	244	224301	33.784	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	28938	4.908	ng	98
75) Fluoranthene	12.633	202	79953	14.771	ng	99
78) Pyrene	12.862	202	69962	8.133	ng	99
80) Butylbenzylphthalate	13.480	149	92079	34.163	ng	99
81) Benzo(a)anthracene	14.051	228	52190	7.540	ng	96
83) Chrysene	14.086	228	41505	6.547	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	9712	2.525	ng	100
87) Indeno(1,2,3-cd)pyrene	17.021	276	16561	3.206	ng	98
88) Benzo(b)fluoranthene	15.103	252	47195m	10.475	ng	
89) Benzo(k)fluoranthene	15.115	252	22719m	5.587	ng	
90) Benzo(a)pyrene	15.474	252	27941	7.059	ng	# 93
92) Benzo(g,h,i)perylene	17.474	276	14557	3.631	ng	# 91

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

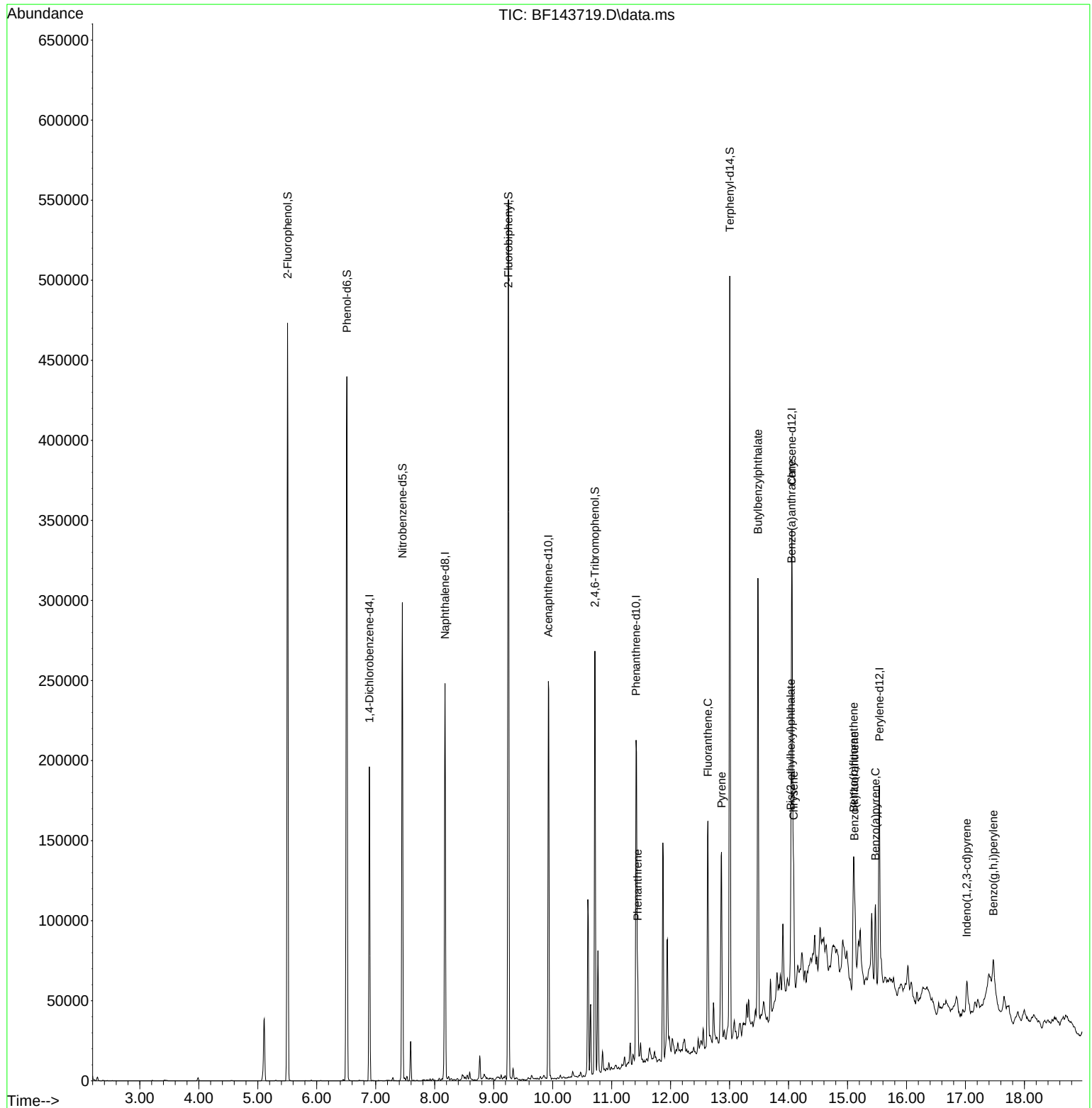
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143719.D
Acq On : 11 Sep 2025 21:25
Operator : RC/JU
Sample : Q3075-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

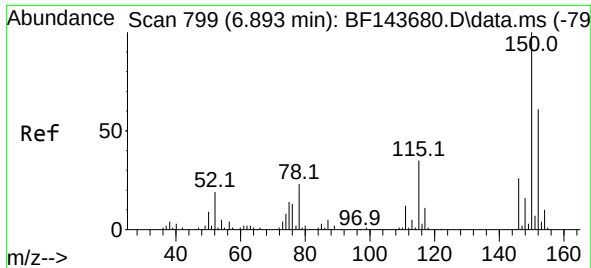
Instrument :
BNA_F
ClientSampleId :
MOO-25-0254-0256

Quant Time: Sep 12 04:40:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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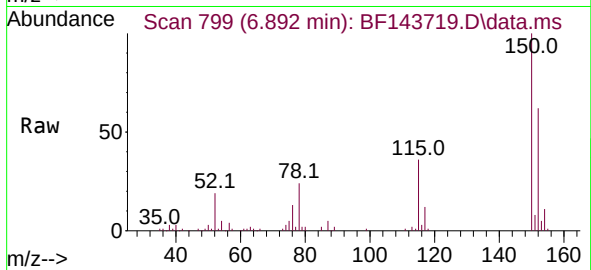
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

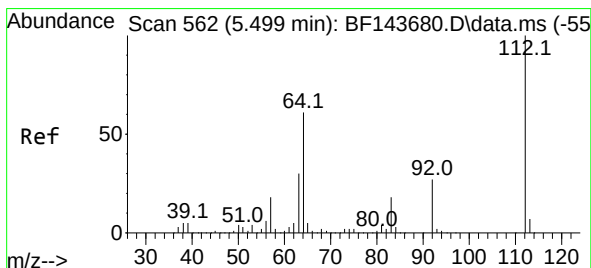
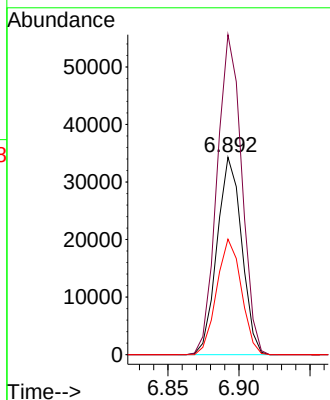
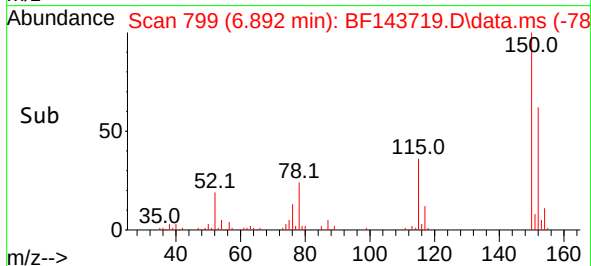
Instrument :
BNA_F
ClientSampleId :
MOO-25-0254-0256



Tgt Ion:152 Resp: 41514
Ion Ratio Lower Upper
152 100
150 162.1 130.7 196.1
115 58.5 45.9 68.9

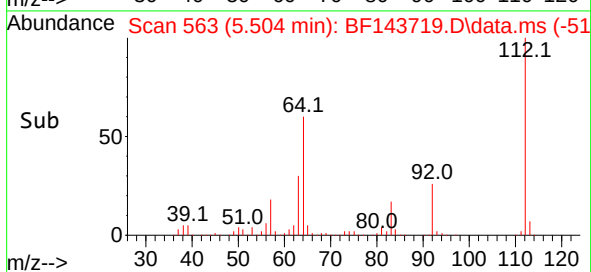
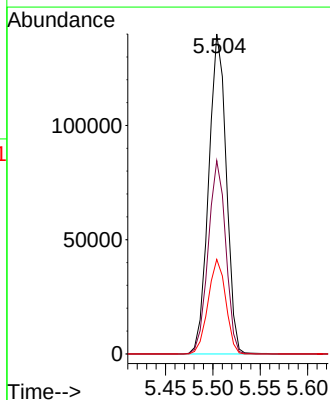
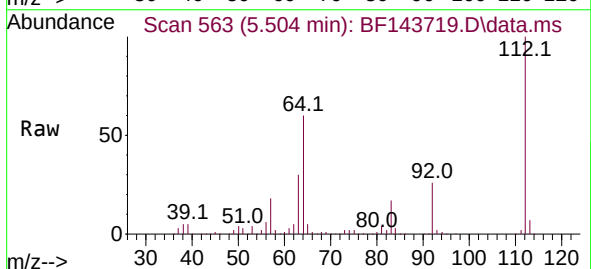
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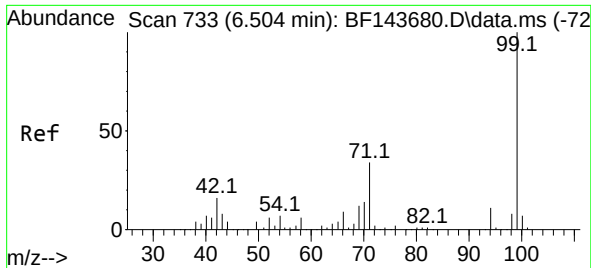
Reviewed By :Rahul Chavli 09/12/2025
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#5
2-Fluorophenol
Concen: 74.583 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

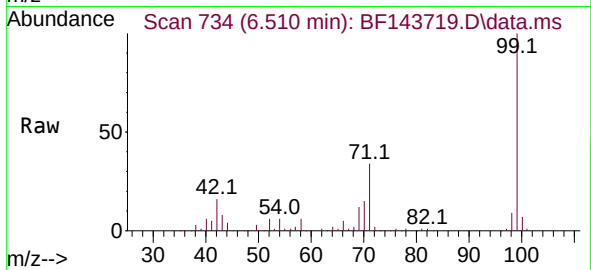
Tgt Ion:112 Resp: 181475
Ion Ratio Lower Upper
112 100
64 60.4 49.0 73.4
63 29.5 24.3 36.5





#7
Phenol-d6
Concen: 73.902 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.006 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

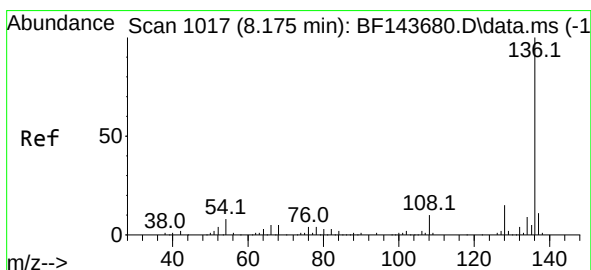
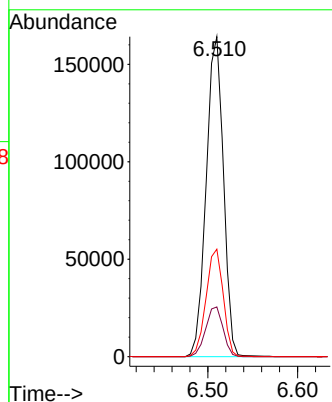
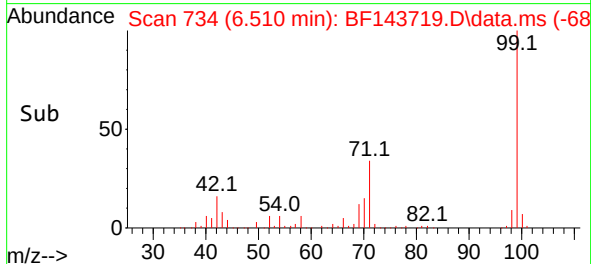
Instrument :
BNA_F
ClientSampleId :
MOO-25-0254-0256



Tgt Ion: 99 Resp: 218949
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 33.6 27.4 41.2

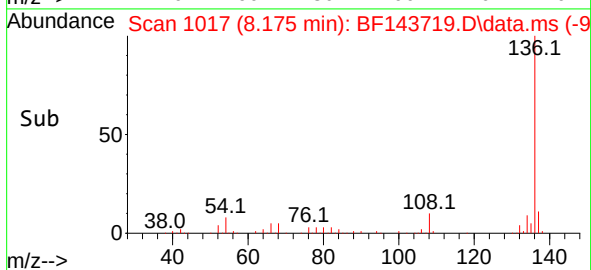
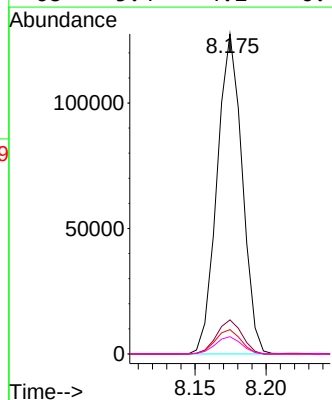
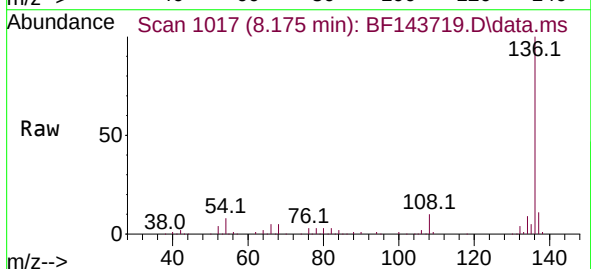
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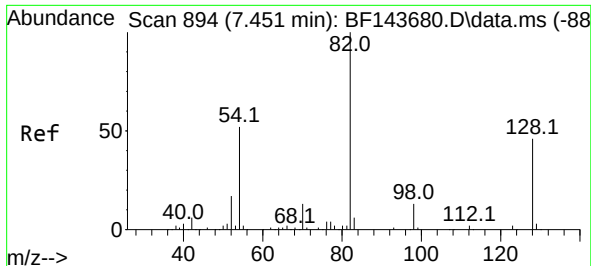
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

Tgt Ion:136 Resp: 156234
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.6 6.2 9.2
68 5.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 51.305 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143719.D

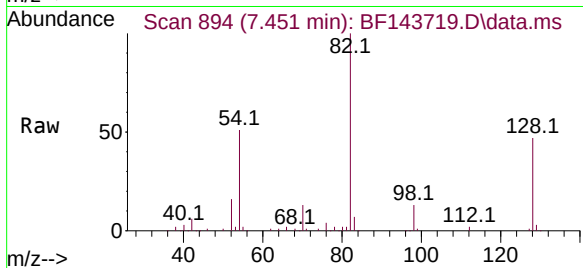
Acq: 11 Sep 2025 21:25

Instrument :

BNA_F

ClientSampleId :

MOO-25-0254-0256



Tgt Ion: 82 Resp: 128868

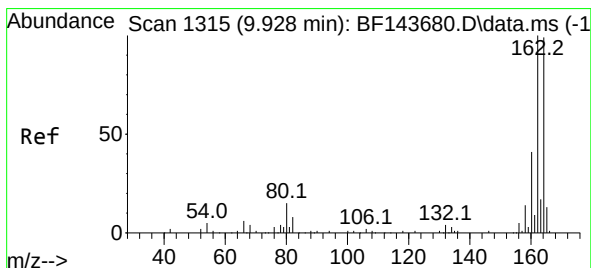
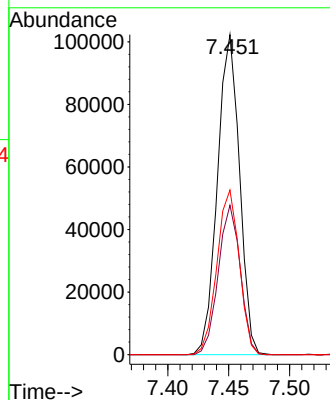
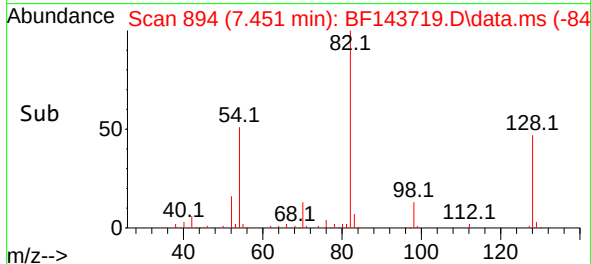
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.4
54	51.4	41.8	62.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1315

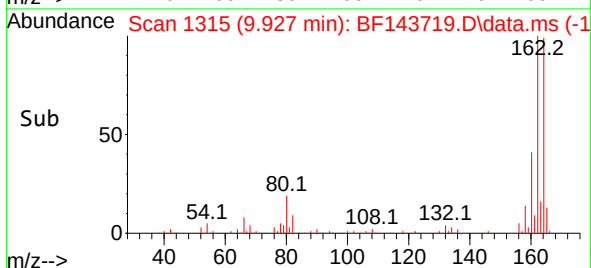
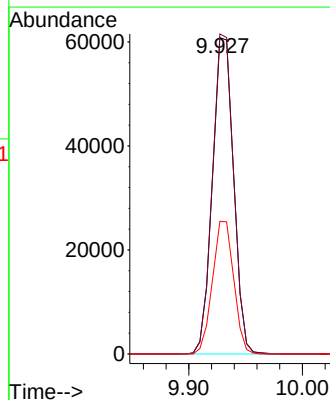
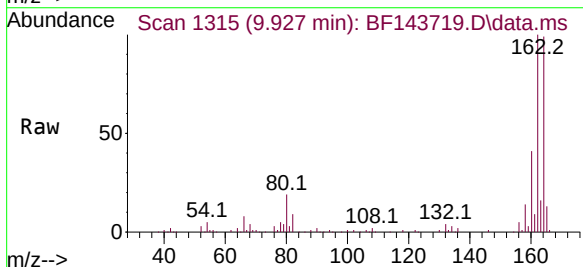
Delta R.T. -0.000 min

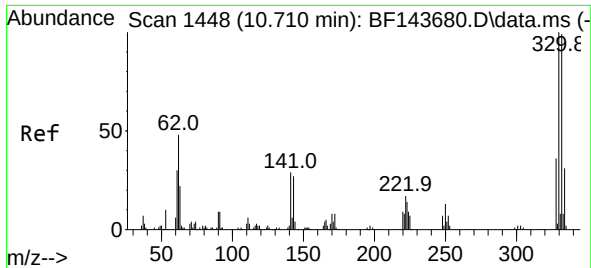
Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Tgt Ion:164 Resp: 78787

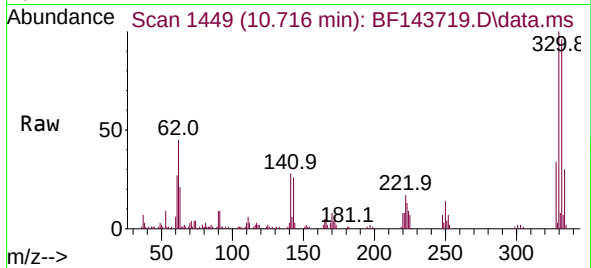
Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	121.0
160	41.9	33.0	49.4





#42
 2,4,6-Tribromophenol
 Concen: 58.405 ng
 RT: 10.716 min Scan# 1448
 Delta R.T. 0.005 min
 Lab File: BF143719.D
 Acq: 11 Sep 2025 21:25

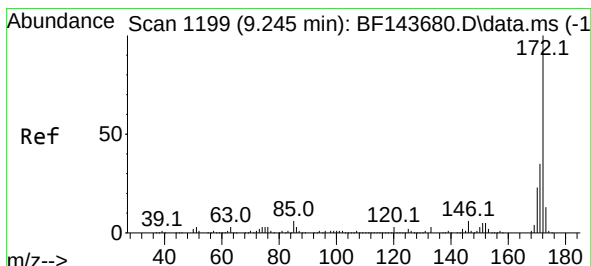
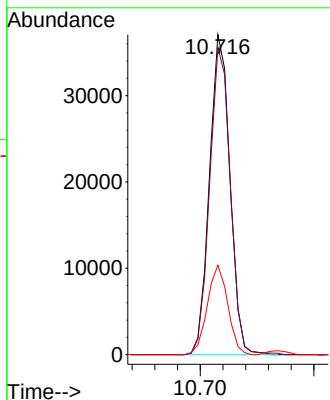
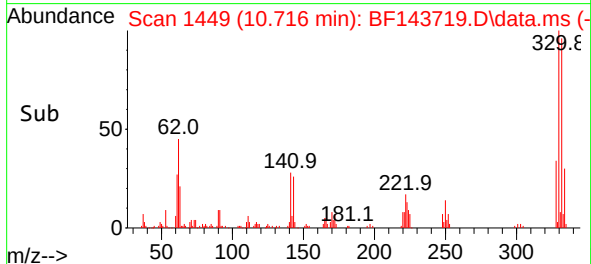
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0254-0256



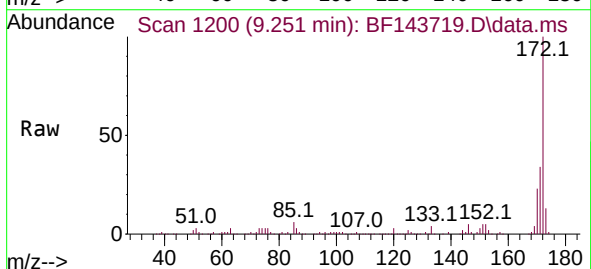
Tgt Ion: 330 Resp: 46373
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.2 118.8
 141 27.9 22.2 33.4

Manual Integrations
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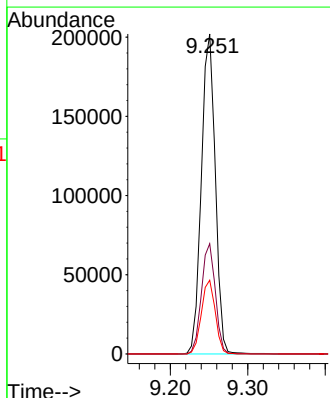
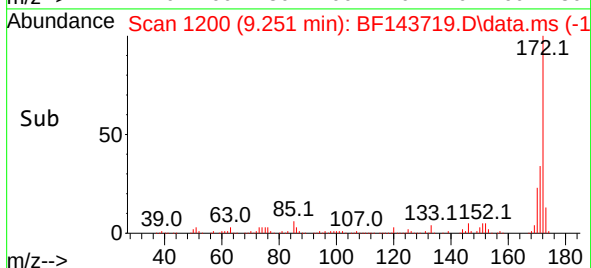
Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

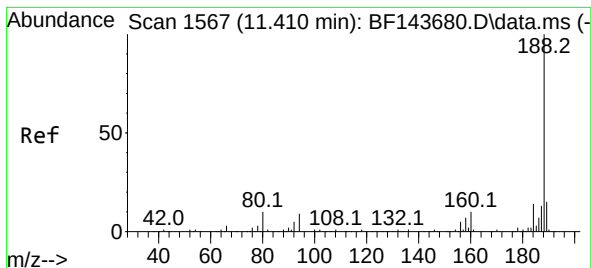


#45
 2-Fluorobiphenyl
 Concen: 48.326 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. 0.006 min
 Lab File: BF143719.D
 Acq: 11 Sep 2025 21:25



Tgt Ion: 172 Resp: 252048
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.9 41.9
 170 23.1 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.415 min Scan# 1567

Delta R.T. 0.006 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Instrument :

BNA_F

ClientSampleId :

MOO-25-0254-0256

Tgt Ion:188 Resp: 107015

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.0

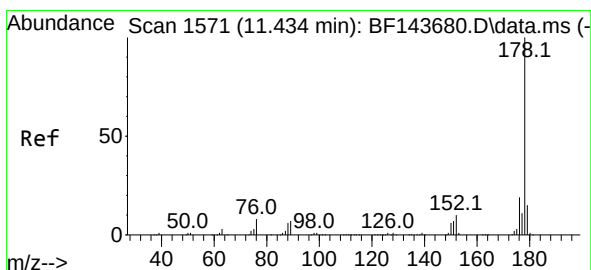
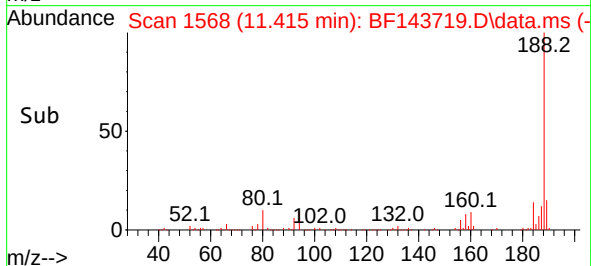
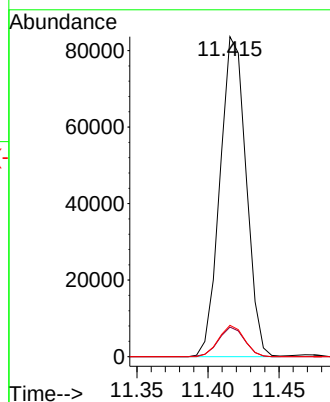
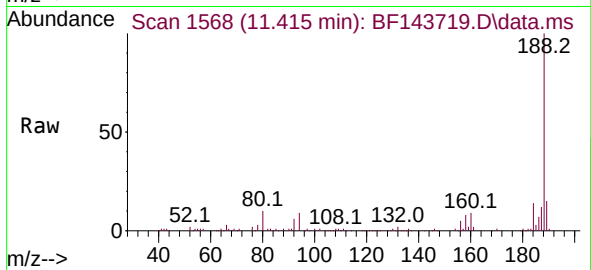
80 9.8 7.7 11.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/12/2025



#71

Phenanthrene

Concen: 4.908 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.005 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

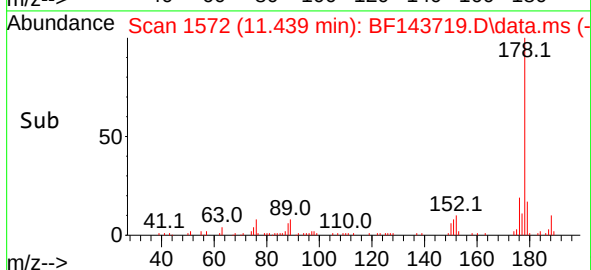
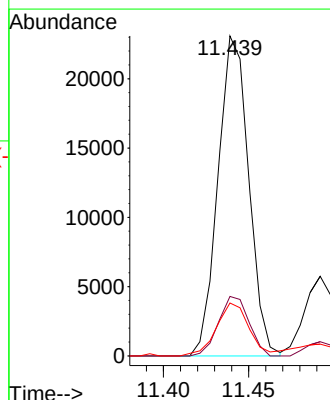
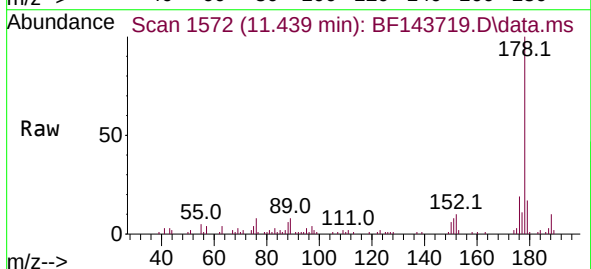
Tgt Ion:178 Resp: 28938

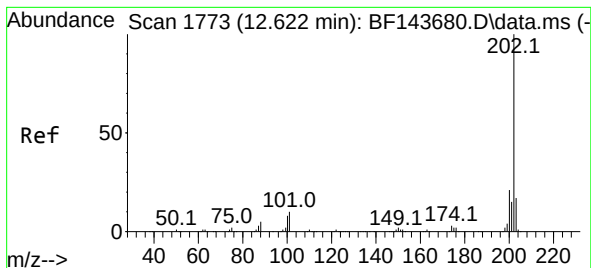
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

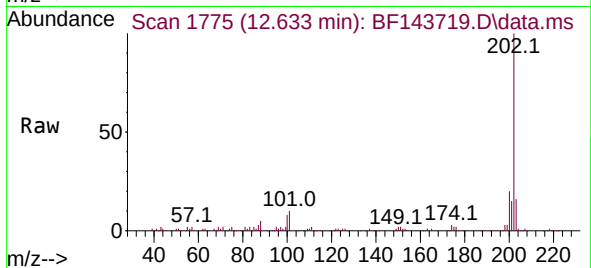
179 16.5 12.2 18.2





#75
Fluoranthene
Concen: 14.771 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.011 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

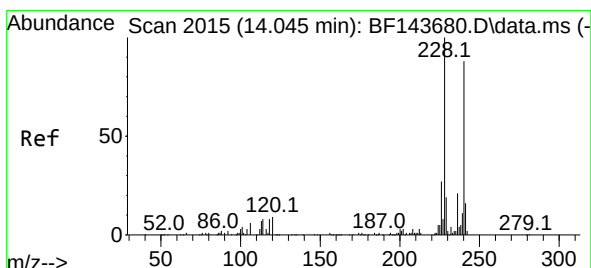
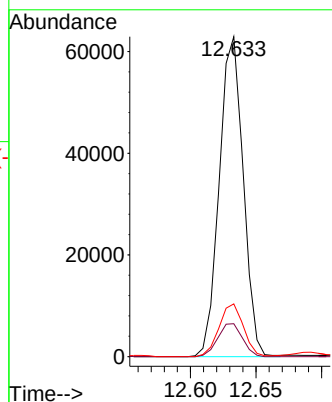
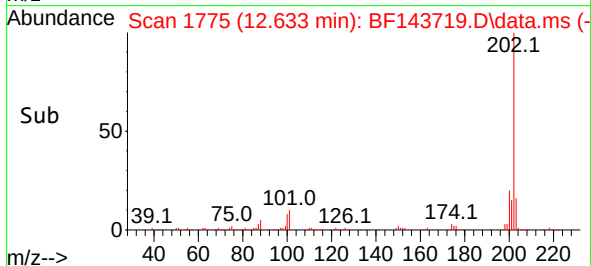
Instrument :
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MOO-25-0254-0256



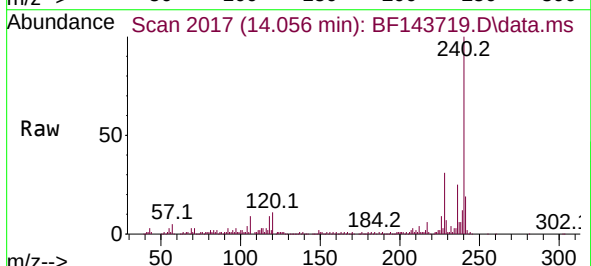
Tgt Ion:202 Resp: 79953
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.5
203 16.5 0.0 37.1

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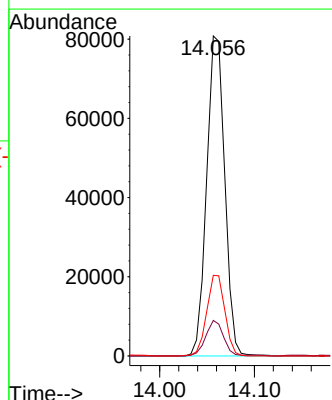
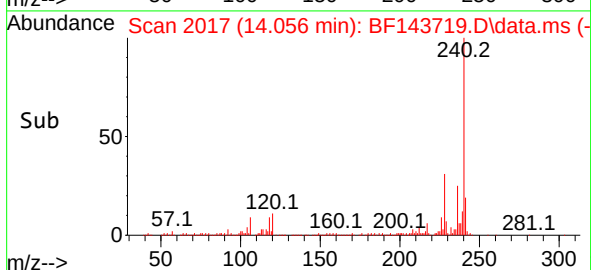
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

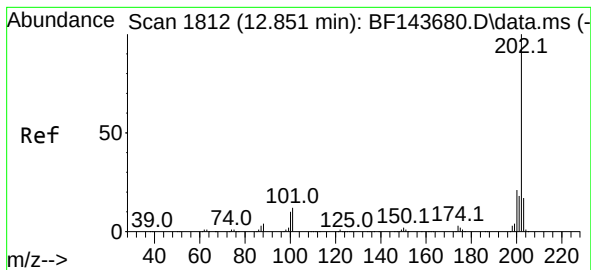


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.056 min Scan# 2017
Delta R.T. 0.011 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25



Tgt Ion:240 Resp: 107592
Ion Ratio Lower Upper
240 100
120 11.1 8.4 12.6
236 25.2 18.6 28.0





#78

Pyrene

Concen: 8.133 ng

RT: 12.862 min Scan# 1814

Delta R.T. 0.011 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Instrument :

BNA_F

ClientSampleId :

MOO-25-0254-0256

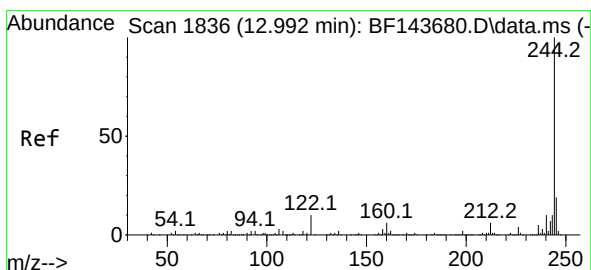
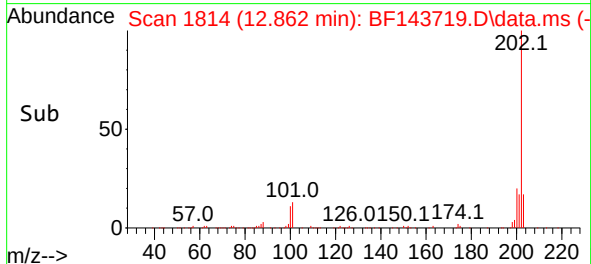
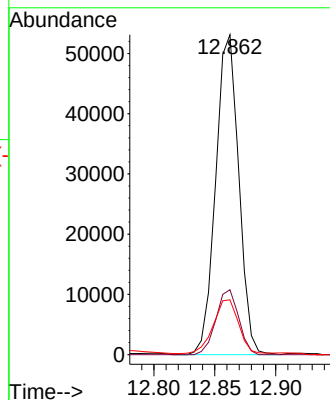
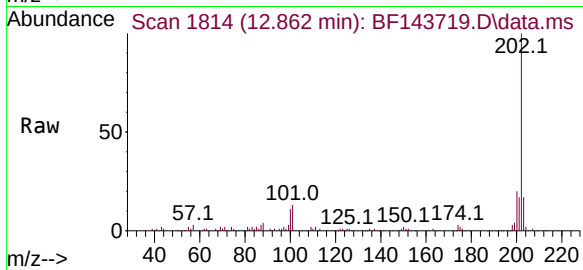
Tgt Ion:	202	Resp:	69962
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.6	24.8
203	17.1	13.5	20.3

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#79

Terphenyl-d14

Concen: 33.784 ng

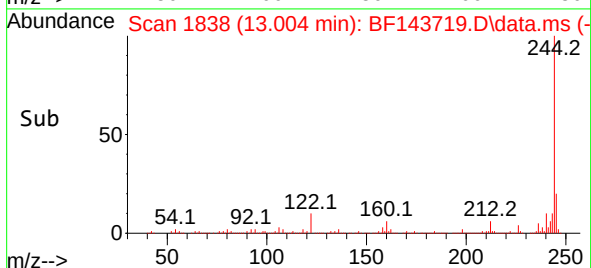
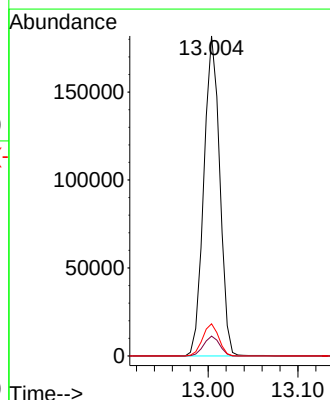
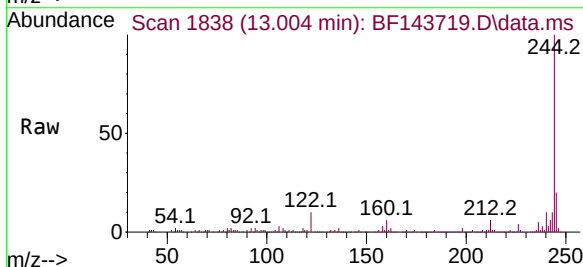
RT: 13.004 min Scan# 1838

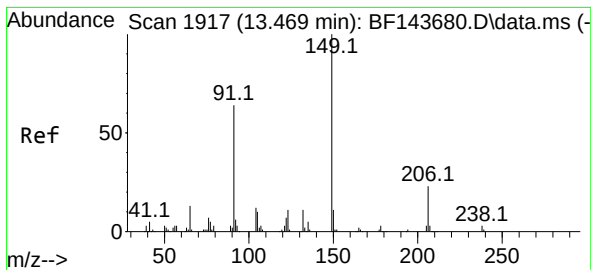
Delta R.T. 0.011 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

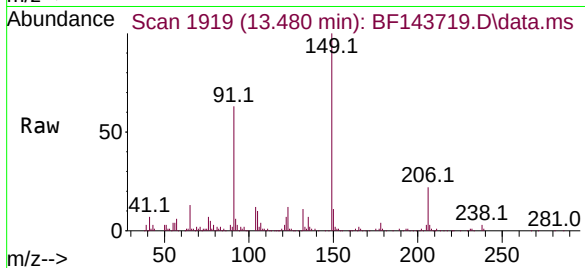
Tgt Ion:	244	Resp:	224301
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.0	7.6
122	10.0	7.9	11.9





#80
Butylbenzylphthalate
Concen: 34.163 ng
RT: 13.480 min Scan# 1917
Delta R.T. 0.011 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

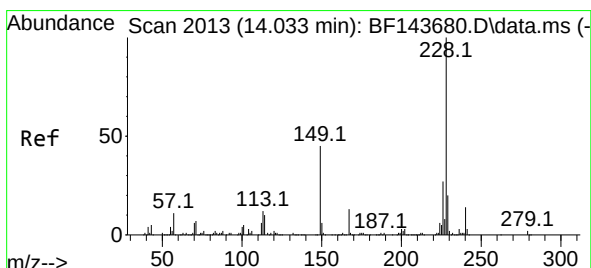
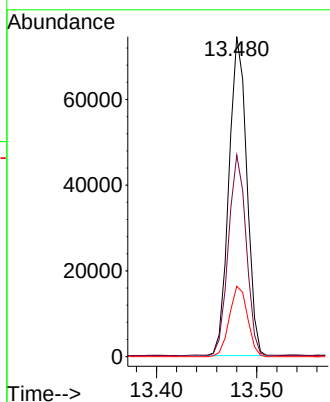
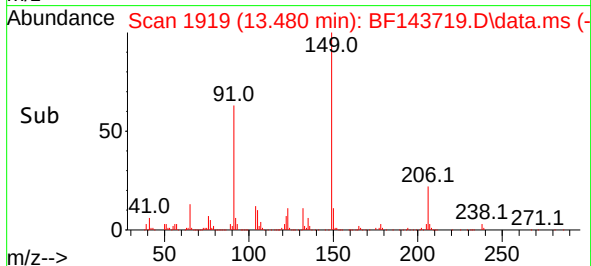
Instrument :
BNA_F
ClientSampleId :
MOO-25-0254-0256



Tgt Ion:149 Resp: 92079
Ion Ratio Lower Upper
149 100
91 63.0 50.9 76.3
206 22.0 18.2 27.2

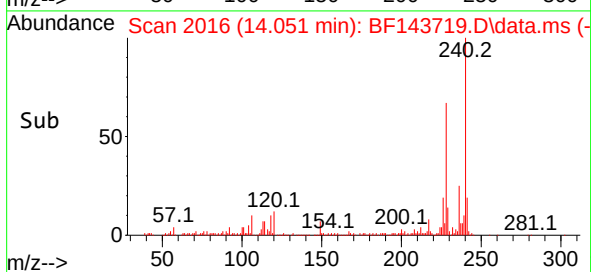
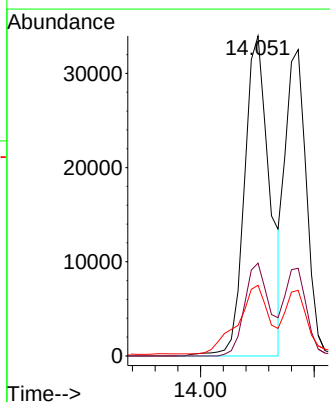
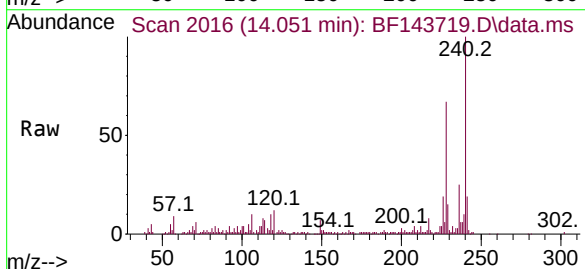
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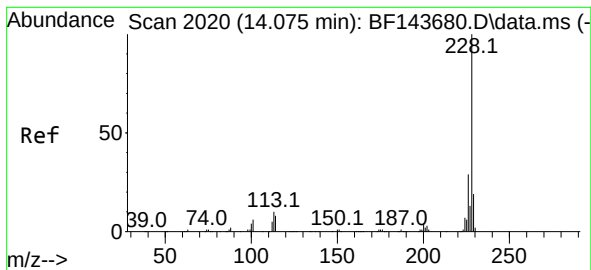
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#81
Benzo(a)anthracene
Concen: 7.540 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.017 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

Tgt Ion:228 Resp: 52190
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 22.1 15.7 23.5





#83

Chrysene

Concen: 6.547 ng

RT: 14.086 min Scan# 2014

Delta R.T. 0.011 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Instrument :

BNA_F

ClientSampleId :

MOO-25-0254-0256

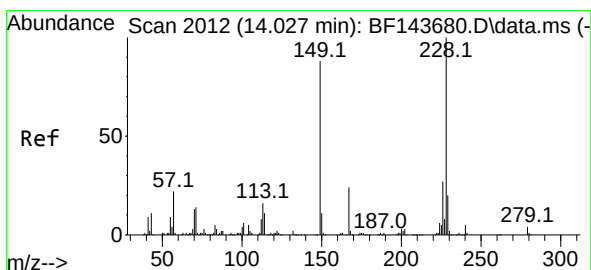
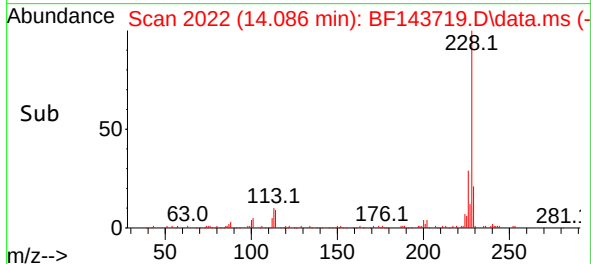
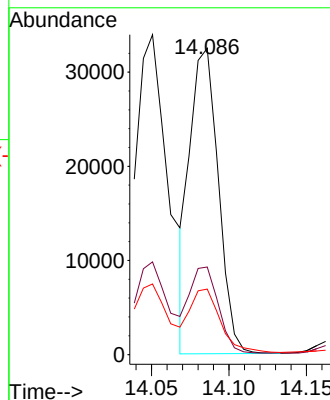
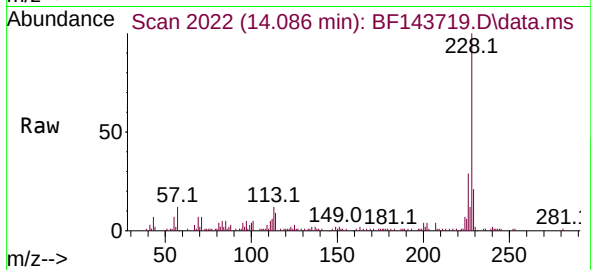
Tgt Ion:228	Resp:	41505
Ion Ratio	Lower	Upper
228	100	
226	28.6	22.7 34.1
229	21.4	15.1 22.7

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.525 ng

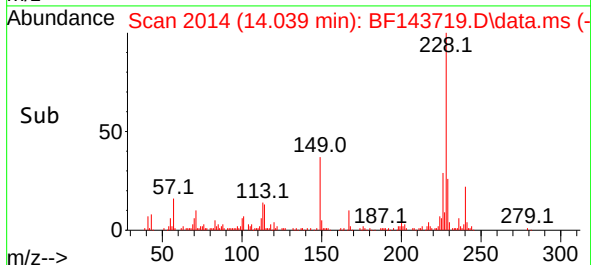
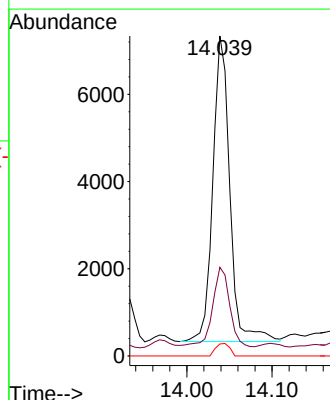
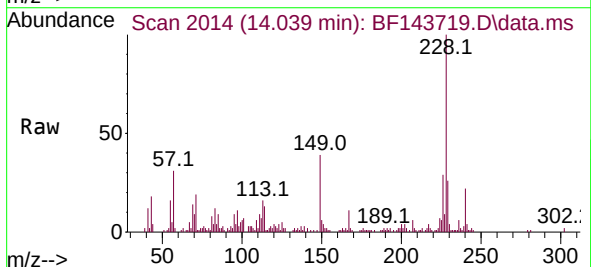
RT: 14.039 min Scan# 2014

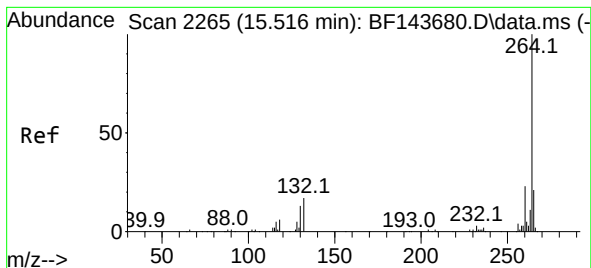
Delta R.T. 0.011 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Tgt Ion:149	Resp:	9712
Ion Ratio	Lower	Upper
149	100	
167	27.7	22.2 33.2
279	3.7	3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Instrument :

BNA_F

ClientSampleId :

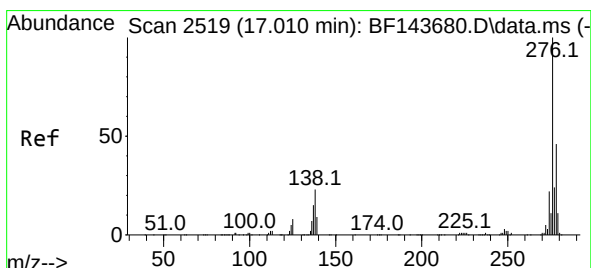
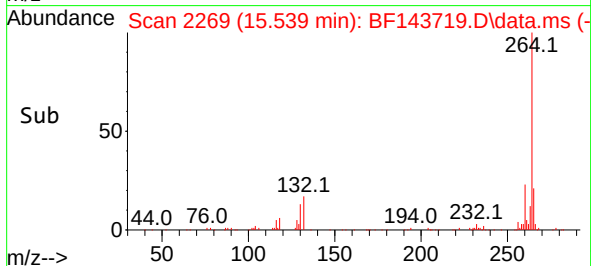
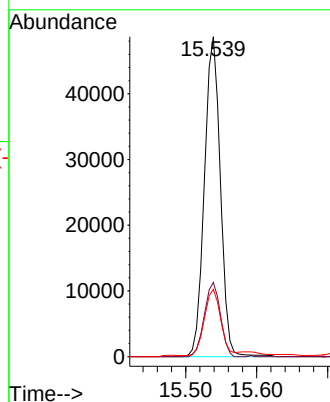
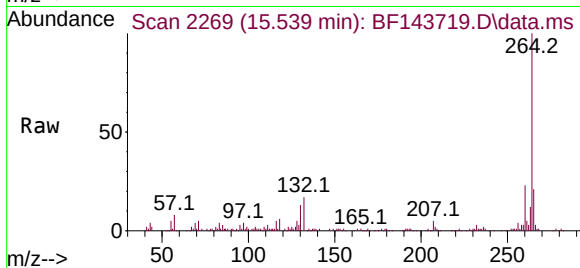
MOO-25-0254-0256

Tgt Ion:264	Resp:	75688
Ion Ratio	Lower	Upper
264	100	
260	23.2	18.4 27.6
265	21.0	17.1 25.7

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Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.206 ng

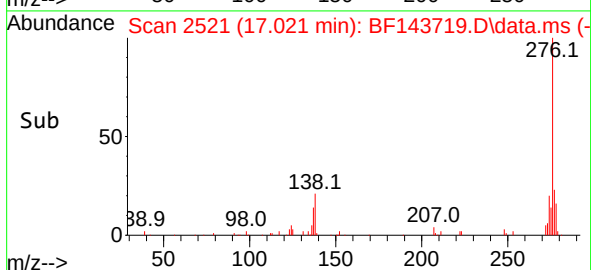
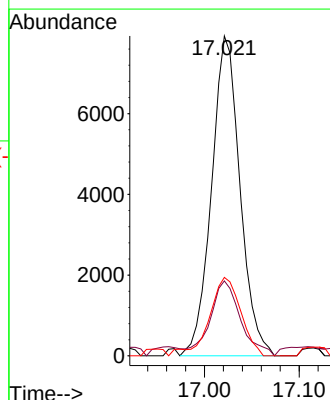
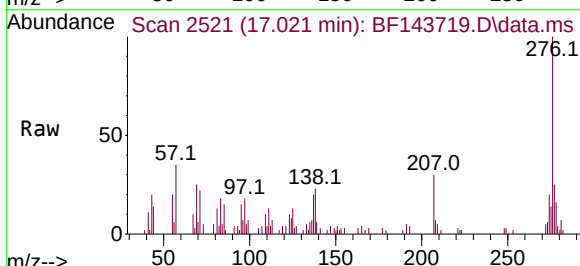
RT: 17.021 min Scan# 2521

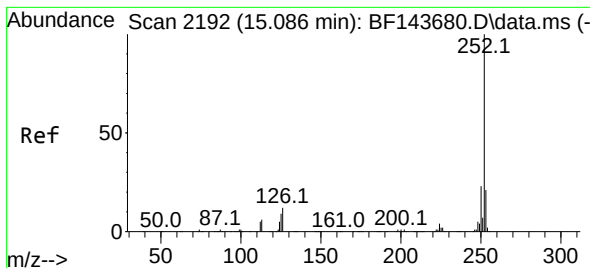
Delta R.T. 0.011 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Tgt Ion:276	Resp:	16561
Ion Ratio	Lower	Upper
276	100	
138	24.9	19.7 29.5
277	27.1	20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.475 ng m

RT: 15.103 min Scan# 2195

Delta R.T. 0.017 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

Instrument :

BNA_F

ClientSampleId :

MOO-25-0254-0256

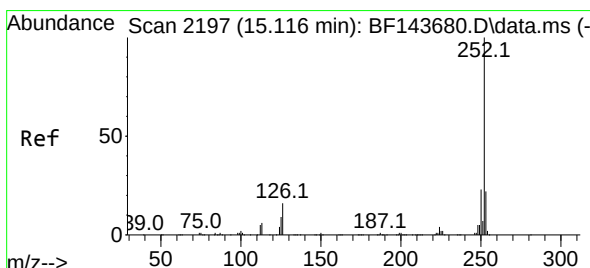
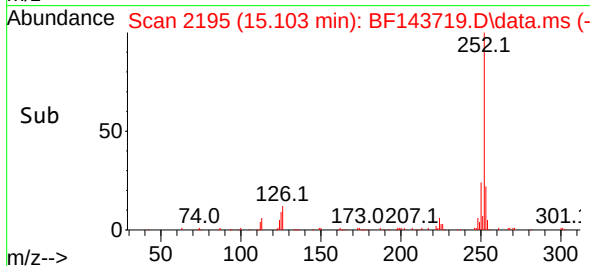
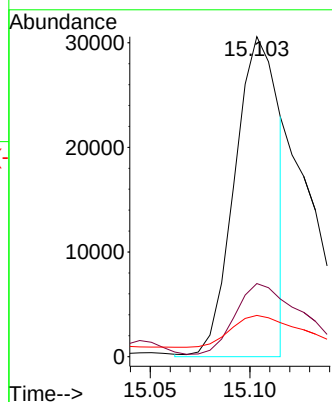
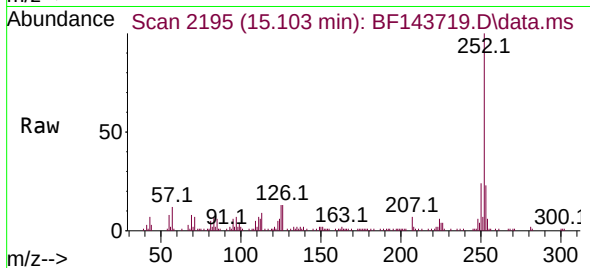
Tgt Ion:252 Resp: 47195
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.0 25.4
 125 12.9 7.4 11.0

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Supervised By :Jagrut Upadhyay 09/12/2025



#89

Benzo(k)fluoranthene

Concen: 5.587 ng m

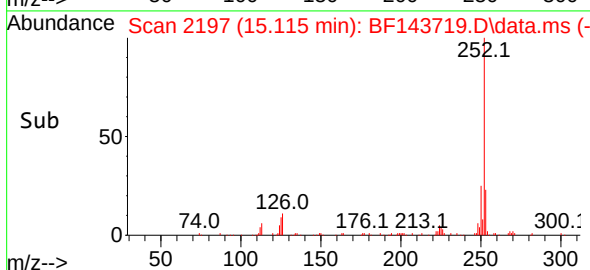
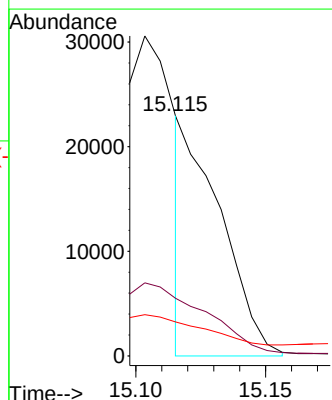
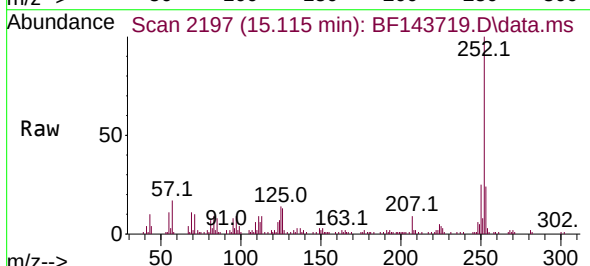
RT: 15.115 min Scan# 2197

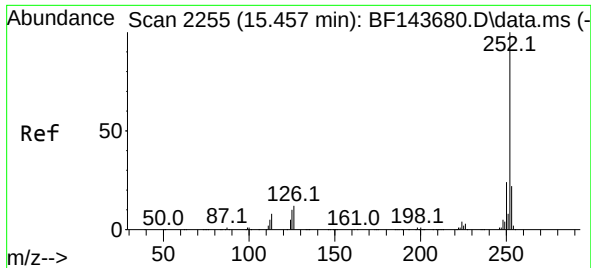
Delta R.T. -0.000 min

Lab File: BF143719.D

Acq: 11 Sep 2025 21:25

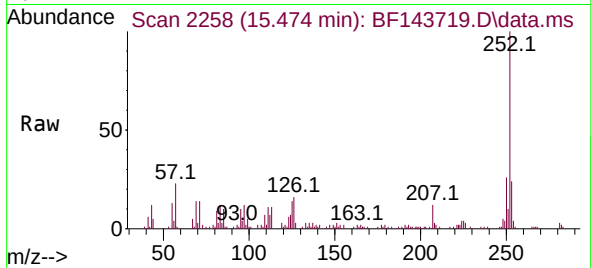
Tgt Ion:252 Resp: 22719
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.3 25.9
 125 14.1 7.3 10.9





#90
Benzo(a)pyrene
Concen: 7.059 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25

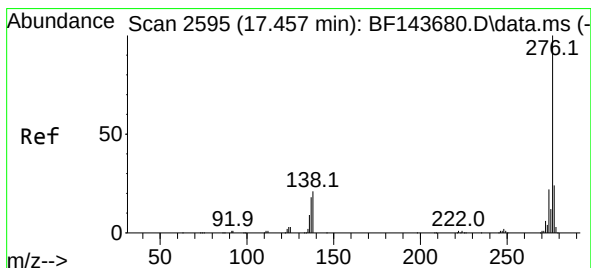
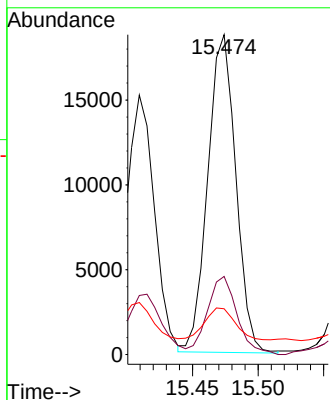
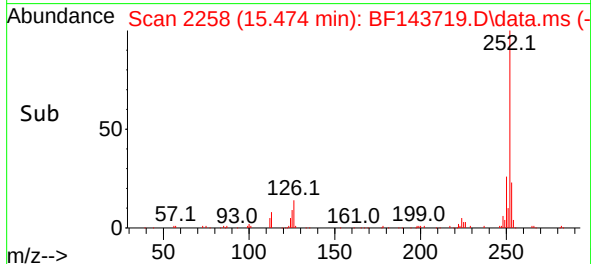
Instrument :
BNA_F
ClientSampleId :
MOO-25-0254-0256



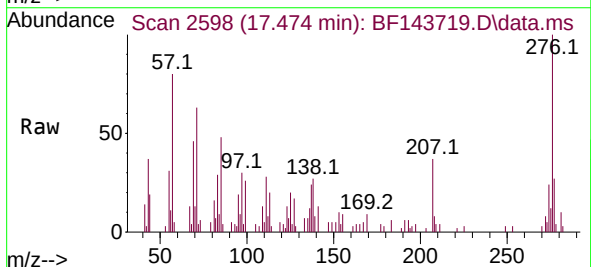
Tgt Ion:252 Resp: 2794
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 14.3 8.2 12.4

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Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#92
Benzo(g,h,i)perylene
Concen: 3.631 ng
RT: 17.474 min Scan# 2598
Delta R.T. 0.017 min
Lab File: BF143719.D
Acq: 11 Sep 2025 21:25



Tgt Ion:276 Resp: 14557
Ion Ratio Lower Upper
276 100
277 27.0 19.2 28.8
138 27.0 17.0 25.4

