

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143704.D
 Acq On : 11 Sep 2025 14:03
 Operator : RC/JU
 Sample : Q3048-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 14:26:16 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	38598	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	143125	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	82839	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	124197	20.000	ng	0.00
76) Chrysene-d12	14.057	240	95120	20.000	ng	0.01
86) Perylene-d12	15.539	264	107327	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	252424	111.579	ng	0.01
7) Phenol-d6	6.510	99	313946	113.973	ng	0.00
23) Nitrobenzene-d5	7.451	82	188244	81.809	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	90277	108.138	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	399720	72.891	ng	0.00
79) Terphenyl-d14	13.004	244	343569	58.532	ng	0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.792	152	21374	3.192	ng	99
70) Pentachlorophenol	11.216	266	17956	18.783	ng	99
71) Phenanthrene	11.439	178	45212	6.607	ng	99
72) Anthracene	11.492	178	38252	5.559	ng	99
75) Fluoranthene	12.633	202	170128	27.082	ng	100
78) Pyrene	12.863	202	201960	26.555	ng	98
81) Benzo(a)anthracene	14.051	228	154702m	25.280	ng	
83) Chrysene	14.086	228	124067	22.137	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	10887	3.202	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	62835	8.578	ng	94
88) Benzo(b)fluoranthene	15.110	252	196270m	30.720	ng	
89) Benzo(k)fluoranthene	15.121	252	76493m	13.266	ng	
90) Benzo(a)pyrene	15.474	252	142512	25.390	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	17492	2.878	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	54563	9.599	ng	98

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

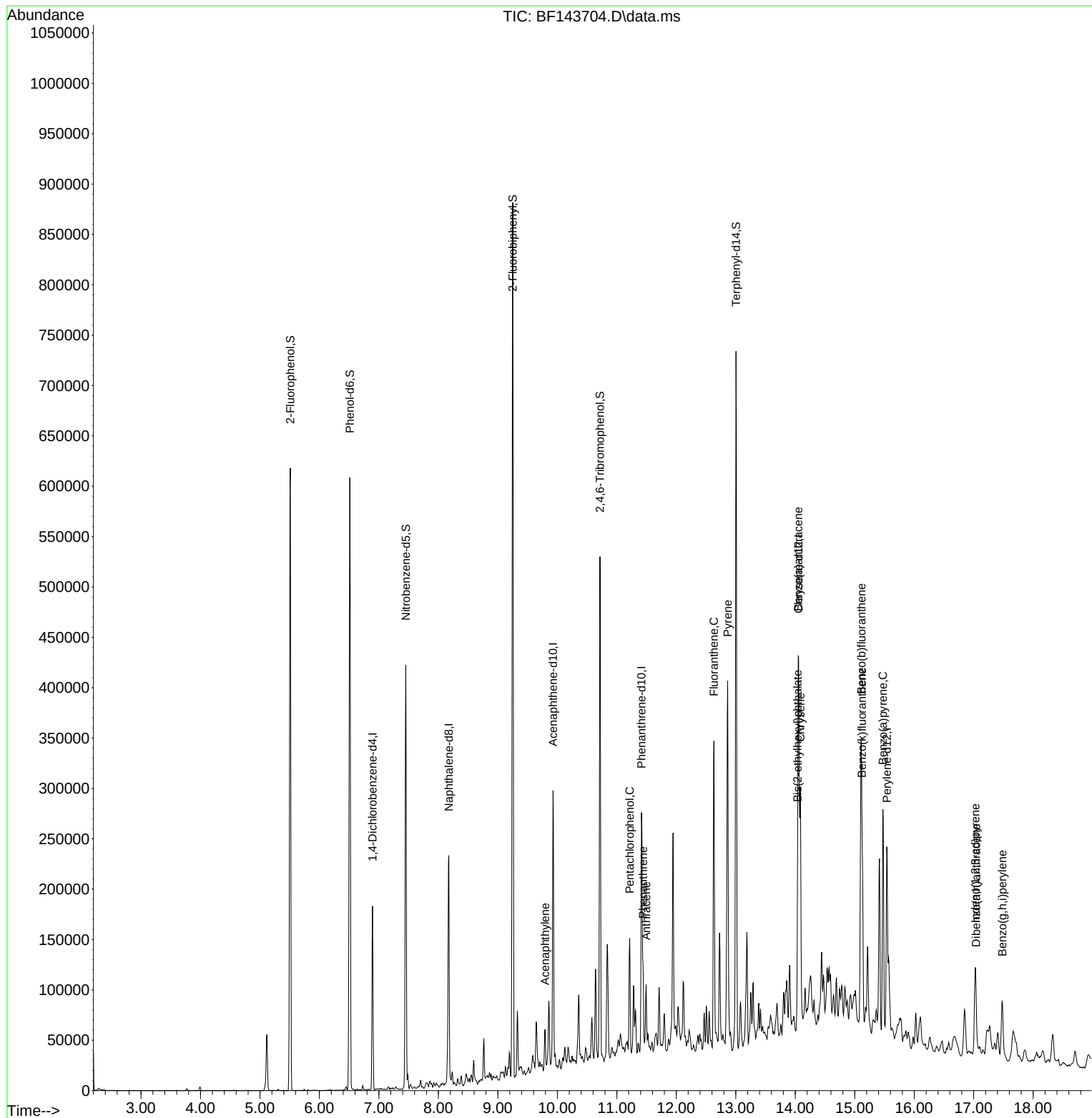
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143704.D
Acq On : 11 Sep 2025 14:03
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Misc :
ALS Vial : 5 Sample Multiplier: 1

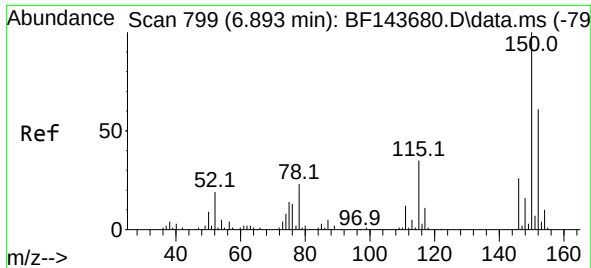
Instrument :
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Quant Time: Sep 11 14:26:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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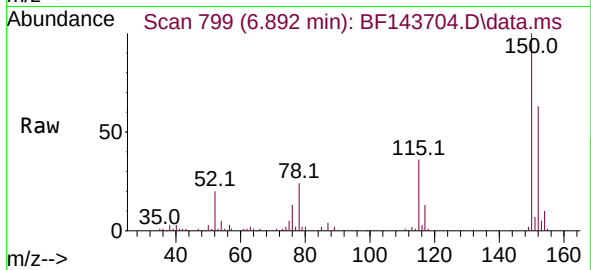
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

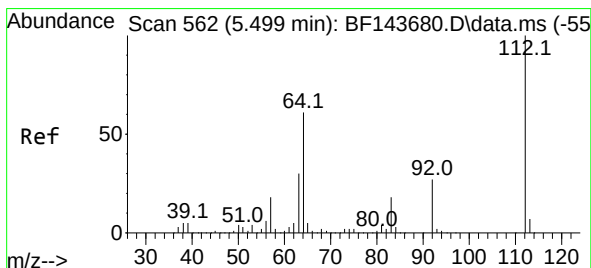
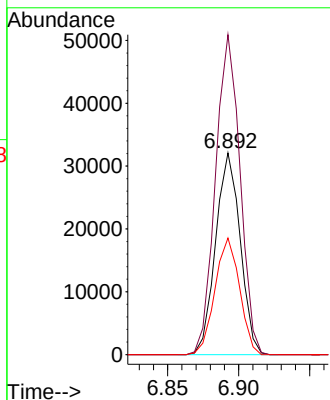
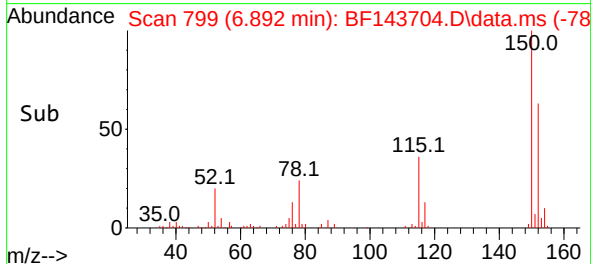
Instrument :
BNA_F
ClientSampleId :
VNJ-258



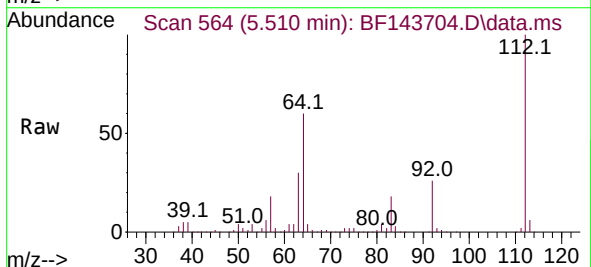
Tgt Ion:152 Resp: 38598
Ion Ratio Lower Upper
152 100
150 158.7 130.7 196.1
115 57.8 45.9 68.9

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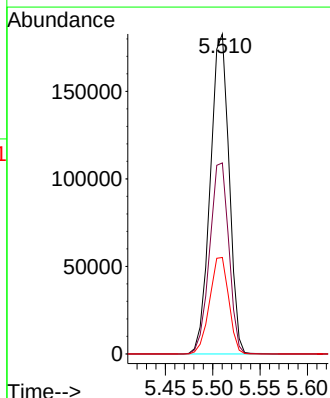
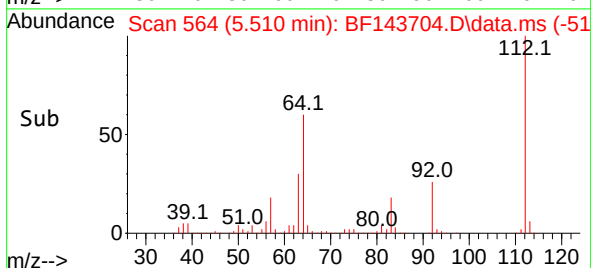
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

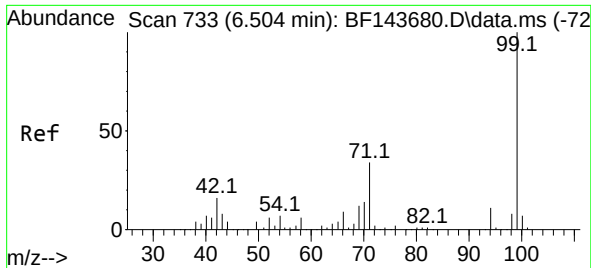


#5
2-Fluorophenol
Concen: 111.579 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



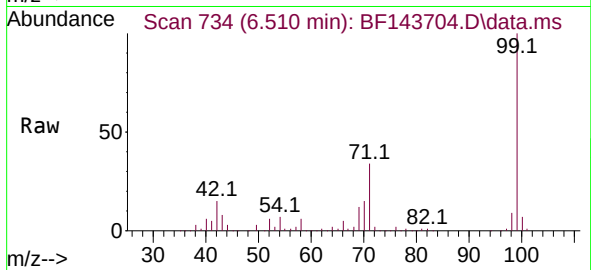
Tgt Ion:112 Resp: 252424
Ion Ratio Lower Upper
112 100
64 59.7 49.0 73.4
63 30.1 24.3 36.5





#7
Phenol-d6
Concen: 113.973 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

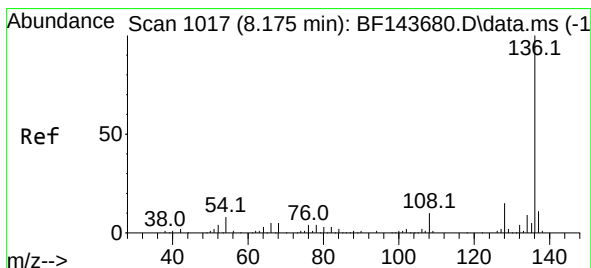
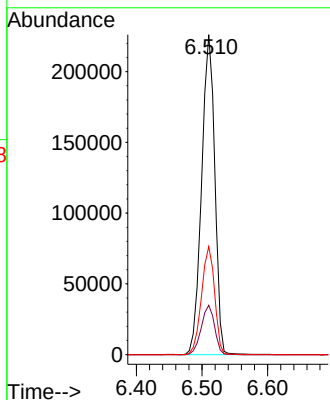
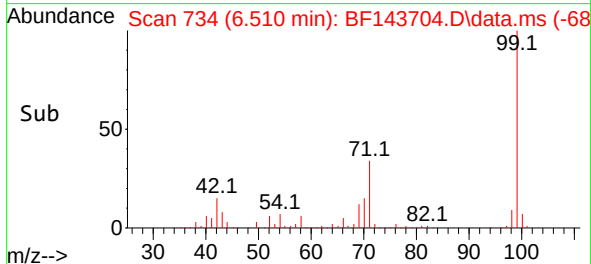
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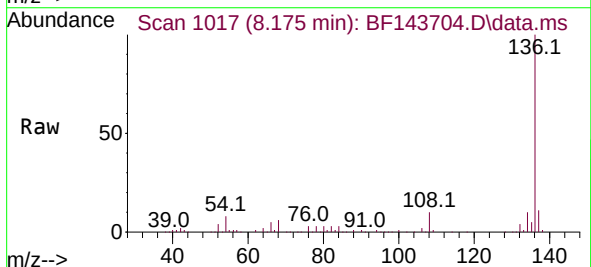
Tgt Ion: 99 Resp: 313946
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 33.8 27.4 41.2

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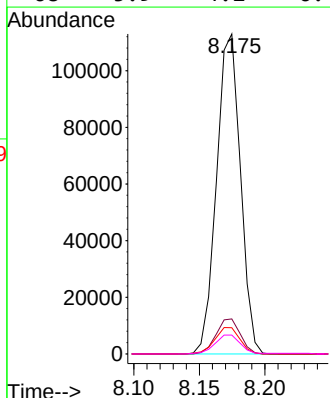
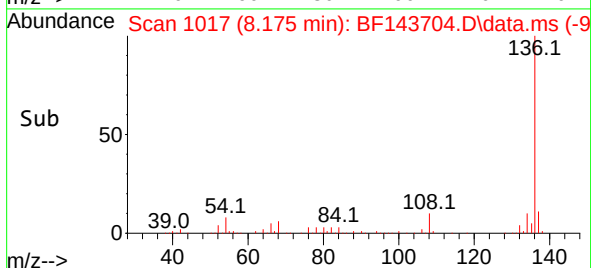
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

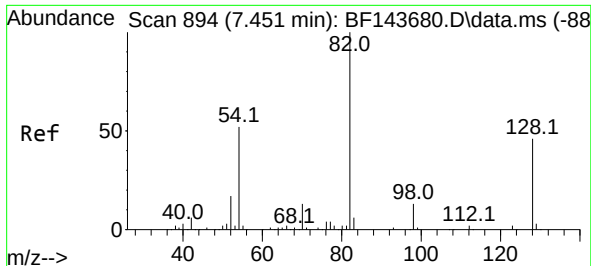


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



Tgt Ion:136 Resp: 143125
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 6.2 9.2
68 5.9 4.2 6.4





#23

Nitrobenzene-d5

Concen: 81.809 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143704.D

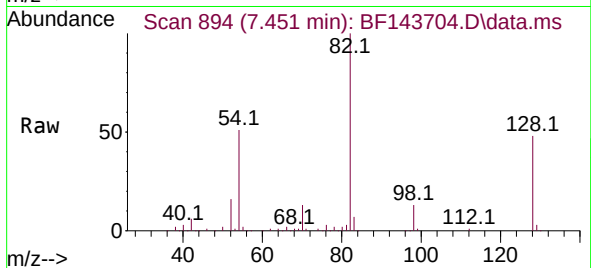
Acq: 11 Sep 2025 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-258



Tgt Ion: 82 Resp: 188244

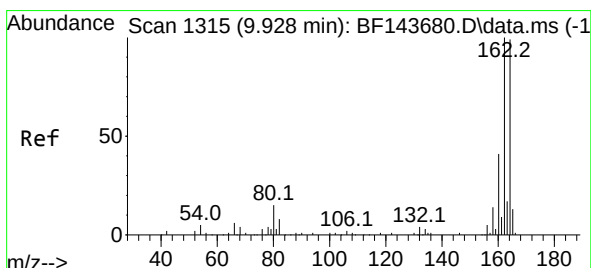
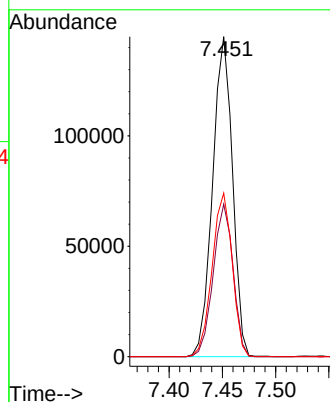
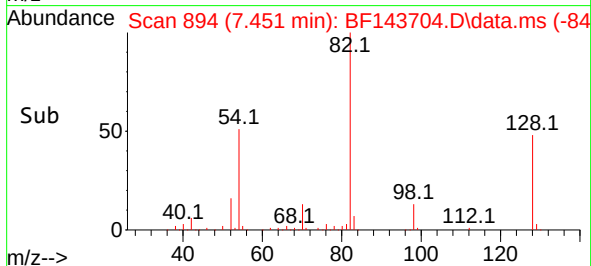
Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.4
54	51.1	41.8	62.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

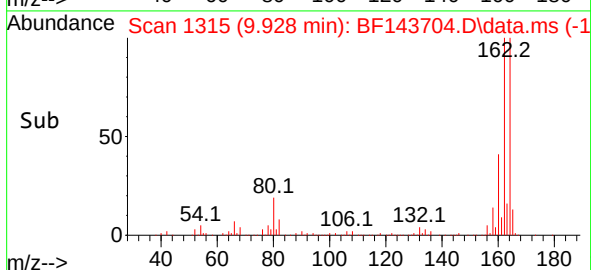
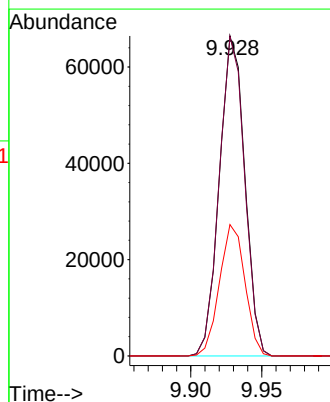
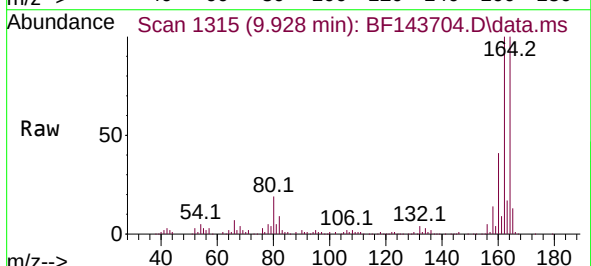
Delta R.T. -0.000 min

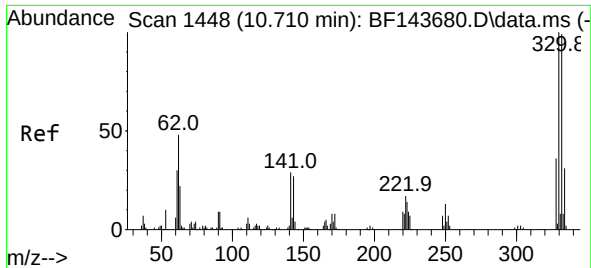
Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

Tgt Ion:164 Resp: 82839

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	41.0	33.0	49.4





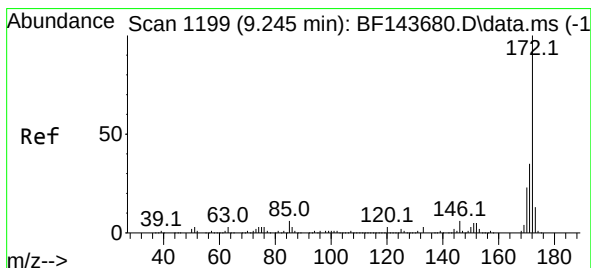
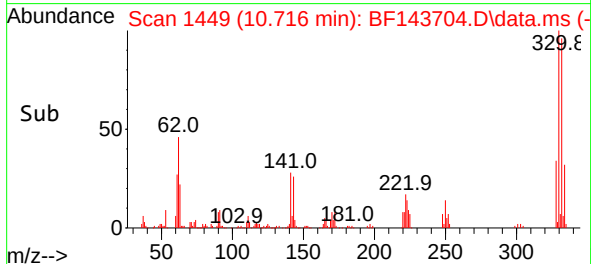
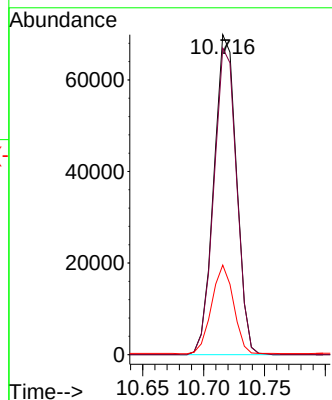
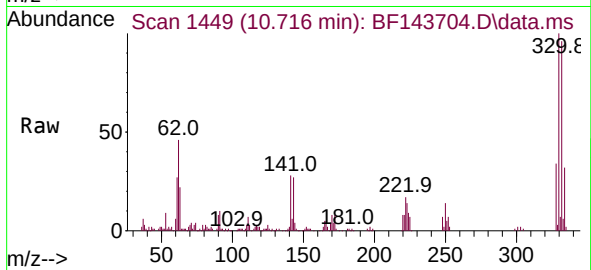
#42
2,4,6-Tribromophenol
Concen: 108.138 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-258

Tgt Ion: 330 Resp: 90272
Ion Ratio Lower Upper
330 100
332 96.4 79.2 118.8
141 26.9 22.2 33.4

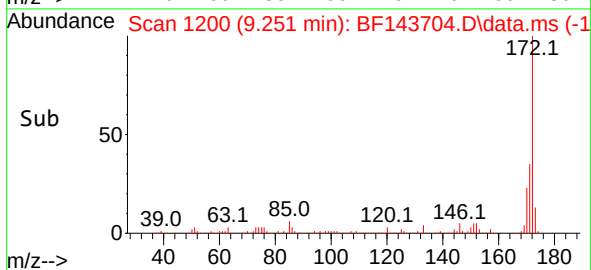
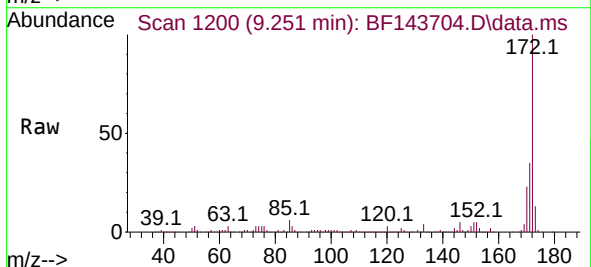
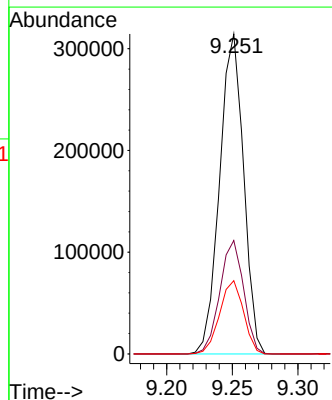
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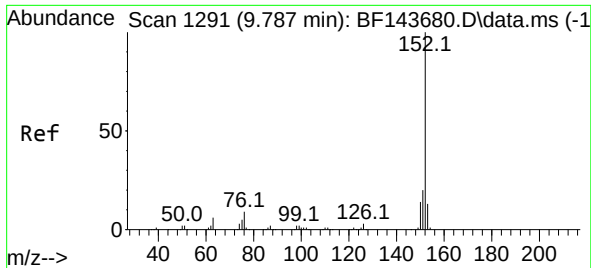
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#45
2-Fluorobiphenyl
Concen: 72.891 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

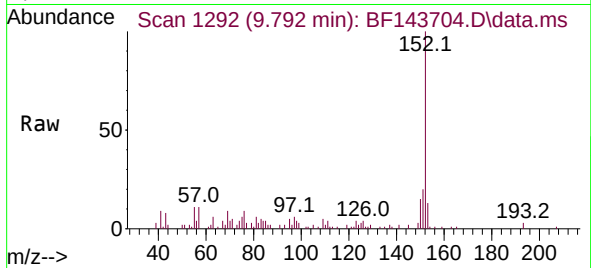
Tgt Ion: 172 Resp: 399720
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 22.9 18.6 27.8





#49
Acenaphthylene
Concen: 3.192 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

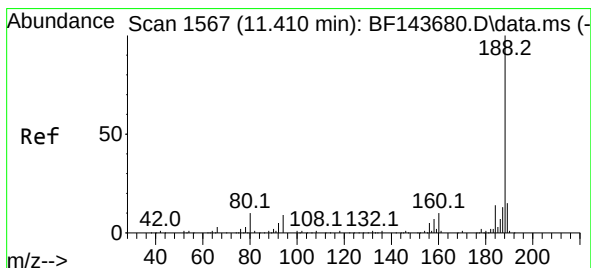
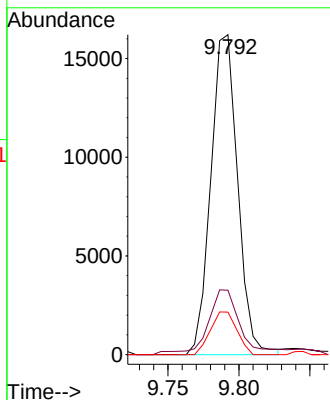
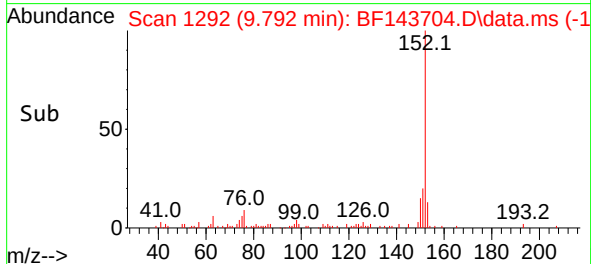
Instrument :
BNA_F
ClientSampleId :
VNJ-258



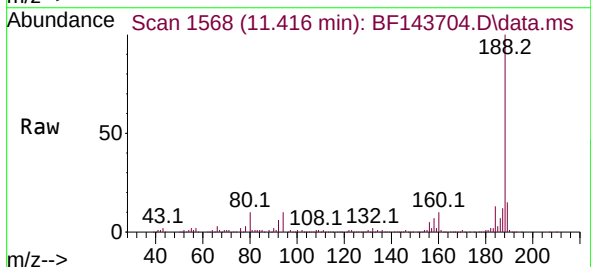
Tgt Ion:152 Resp: 21374
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.3 10.4 15.6

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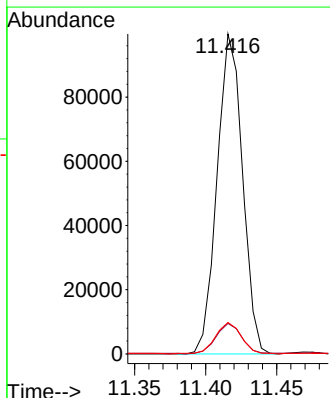
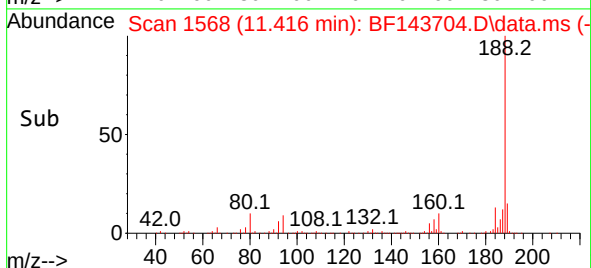
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

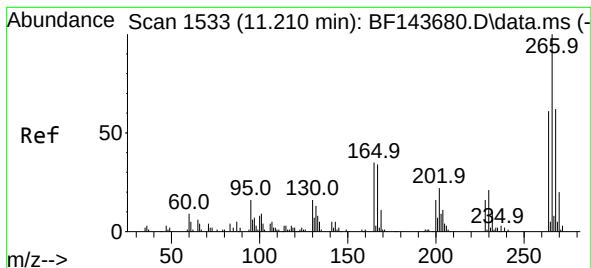


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



Tgt Ion:188 Resp: 124197
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 9.8 7.7 11.5





#70

Pentachlorophenol

Concen: 18.783 ng

RT: 11.216 min Scan# 1533

Delta R.T. 0.006 min

Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-258

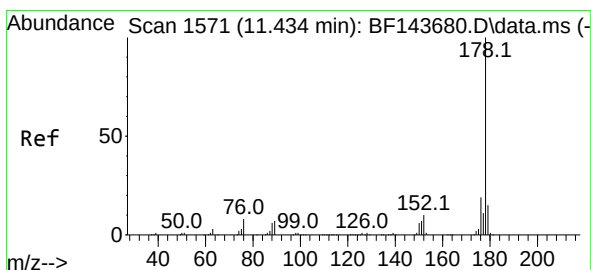
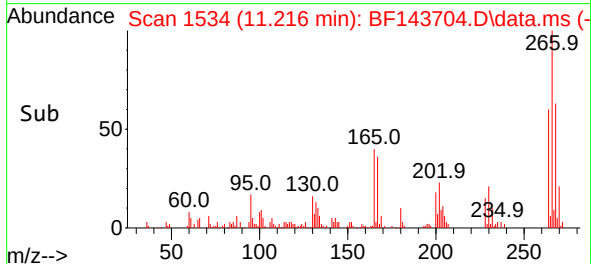
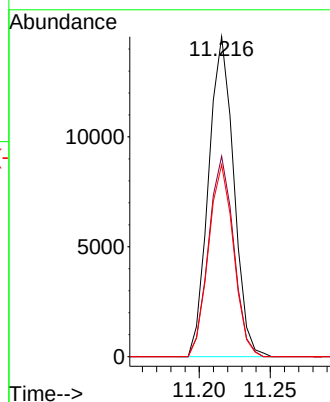
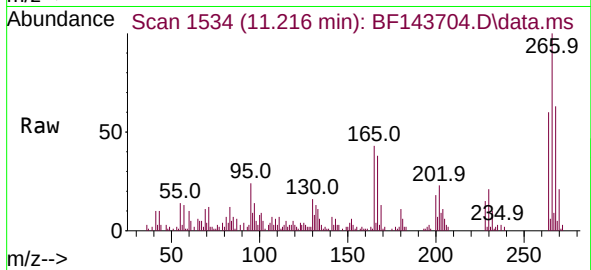
Tgt Ion:266	Resp:	17956
Ion Ratio	Lower	Upper
266	100	
268	62.6	49.2 73.8
264	59.9	48.6 73.0

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#71

Phenanthrene

Concen: 6.607 ng

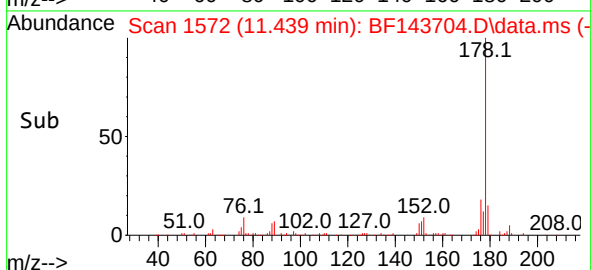
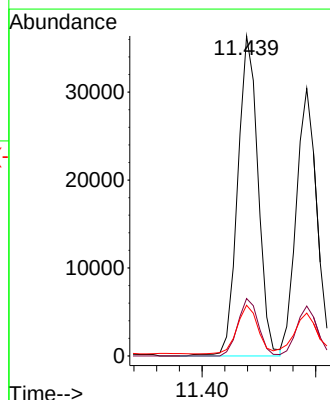
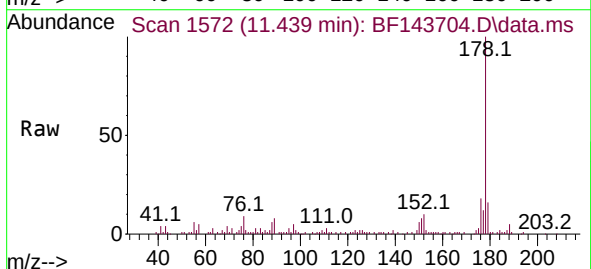
RT: 11.439 min Scan# 1572

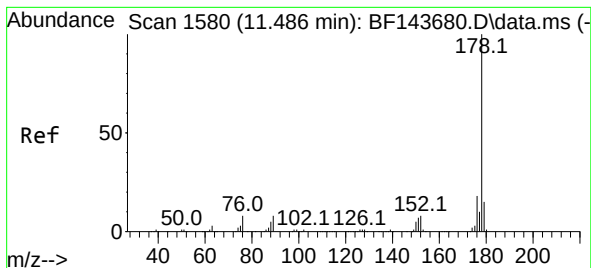
Delta R.T. 0.006 min

Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

Tgt Ion:178	Resp:	45212
Ion Ratio	Lower	Upper
178	100	
176	17.9	14.8 22.2
179	15.8	12.2 18.2





#72

Anthracene

Concen: 5.559 ng

RT: 11.492 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-258

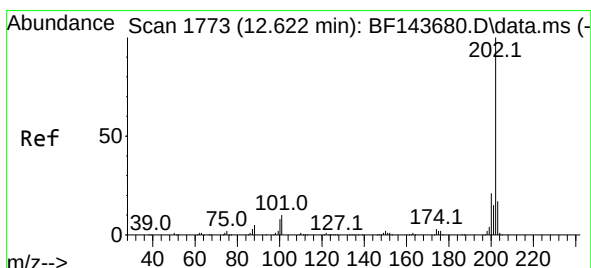
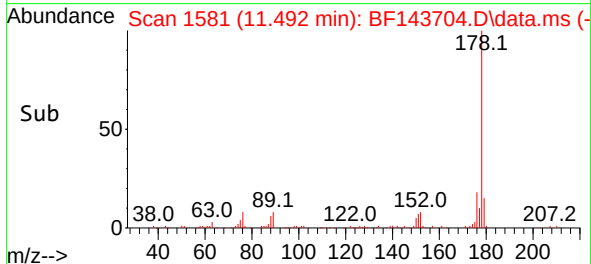
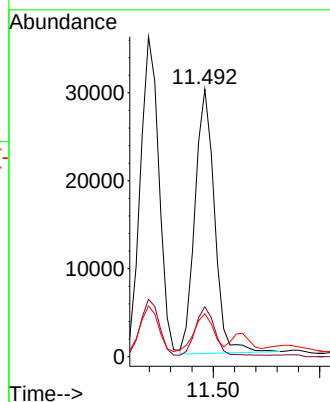
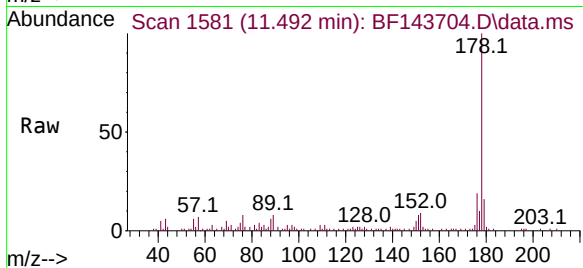
Tgt Ion:178	Resp: 3825
Ion Ratio	Lower Upper
178	100
176	18.6 14.5 21.7
179	16.0 12.2 18.2

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#75

Fluoranthene

Concen: 27.082 ng

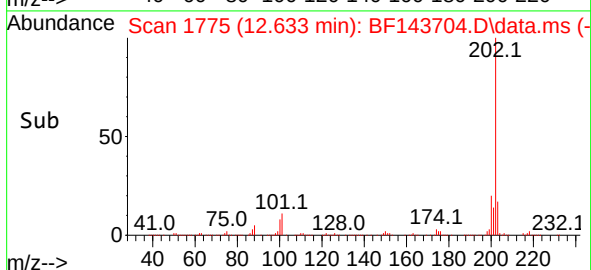
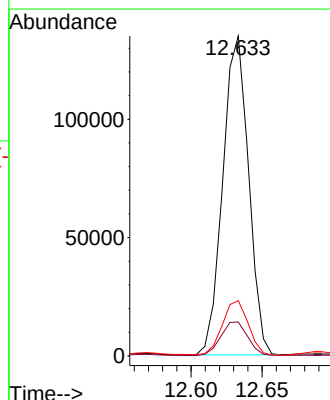
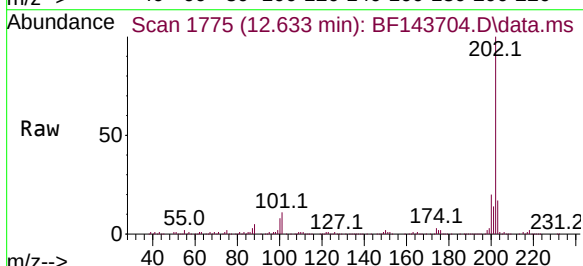
RT: 12.633 min Scan# 1775

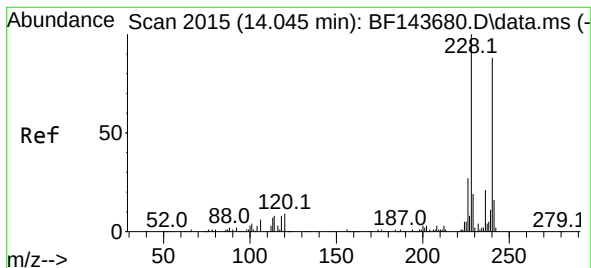
Delta R.T. 0.012 min

Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

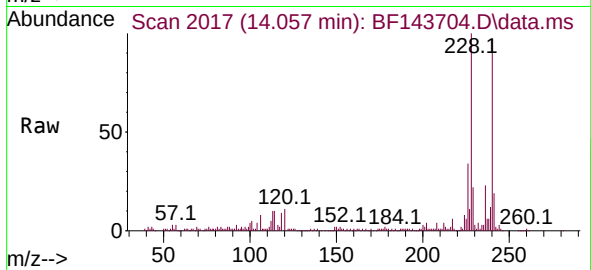
Tgt Ion:202	Resp: 170128
Ion Ratio	Lower Upper
202	100
101	10.6 0.0 30.5
203	17.3 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

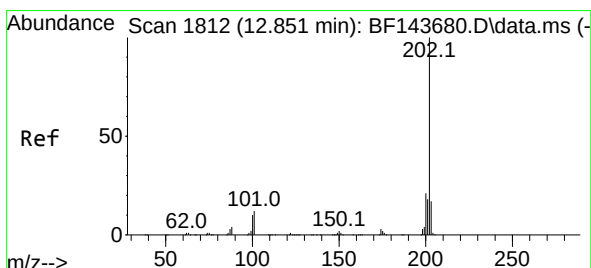
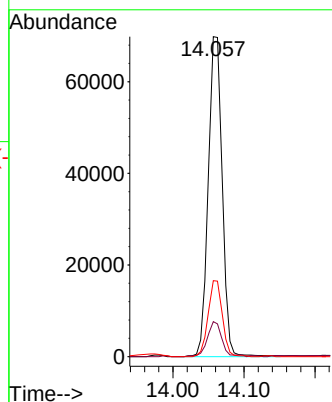
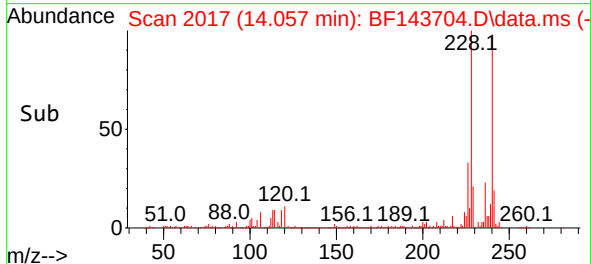
Instrument :
BNA_F
ClientSampleId :
VNJ-258



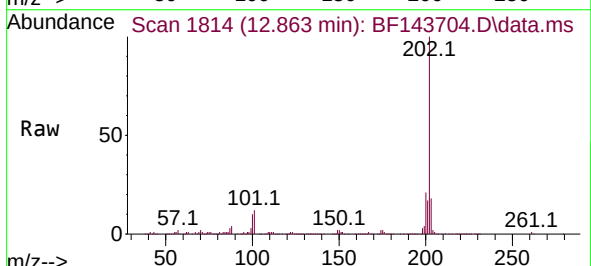
Tgt Ion:240 Resp: 95120
Ion Ratio Lower Upper
240 100
120 10.9 8.4 12.6
236 23.7 18.6 28.0

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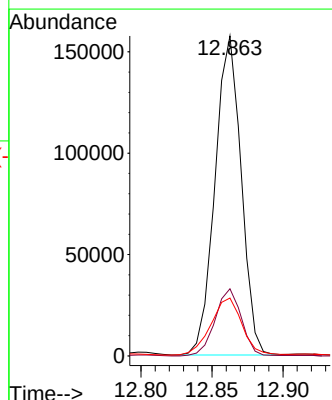
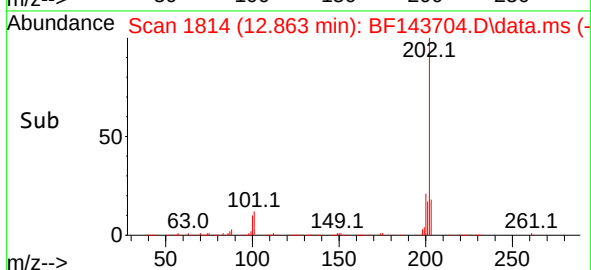
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

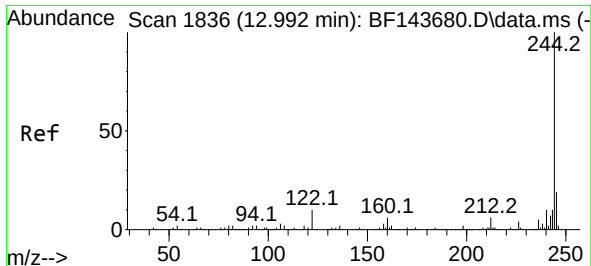


#78
Pyrene
Concen: 26.555 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.012 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



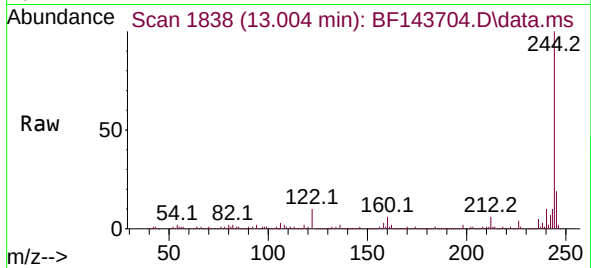
Tgt Ion:202 Resp: 201960
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.1 13.5 20.3





#79
Terphenyl-d14
Concen: 58.532 ng
RT: 13.004 min Scan# 1836
Delta R.T. 0.012 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

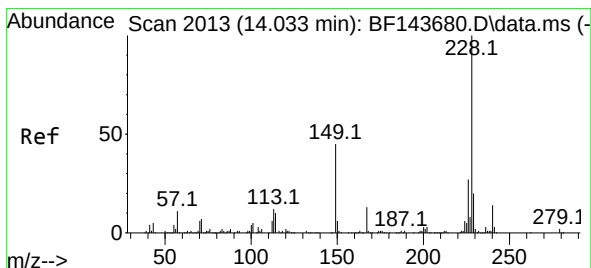
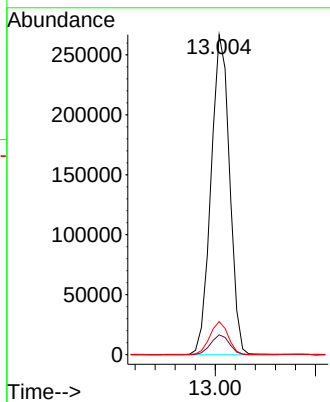
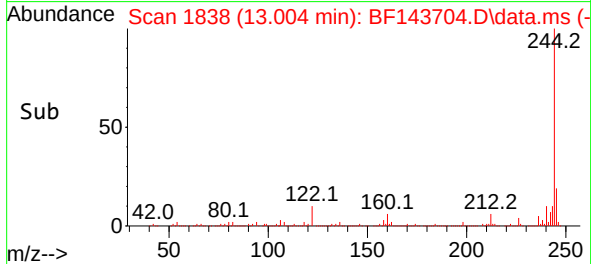
Instrument :
BNA_F
ClientSampleId :
VNJ-258



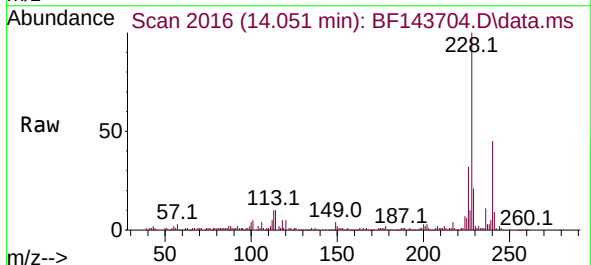
Tgt Ion:244 Resp: 343569
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.6
122 10.3 7.9 11.9

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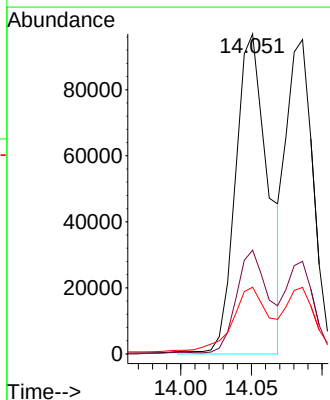
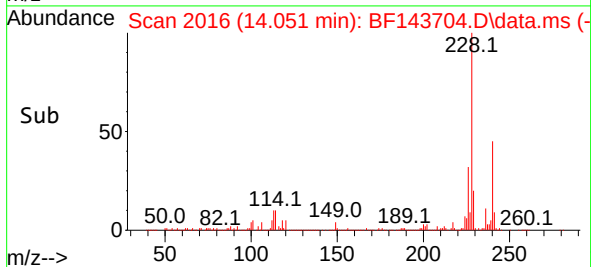
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

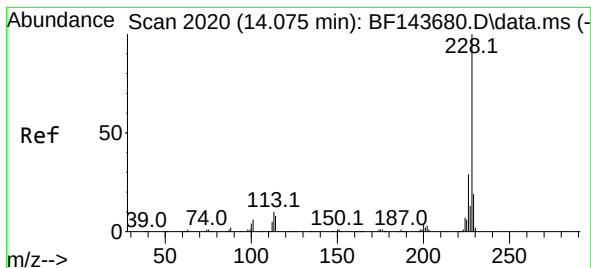


#81
Benzo(a)anthracene
Concen: 25.280 ng m
RT: 14.051 min Scan# 2016
Delta R.T. 0.017 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



Tgt Ion:228 Resp: 154702
Ion Ratio Lower Upper
228 100
226 32.4 21.6 32.4#
229 20.8 15.7 23.5





#83

Chrysene

Concen: 22.137 ng

RT: 14.086 min Scan# 2014

Delta R.T. 0.012 min

Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-258

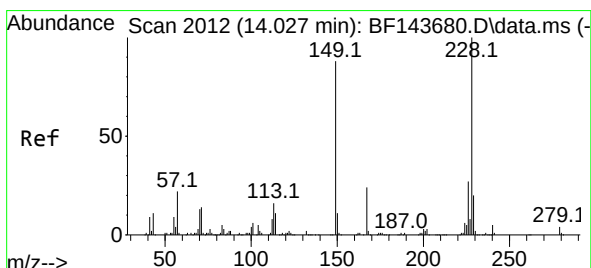
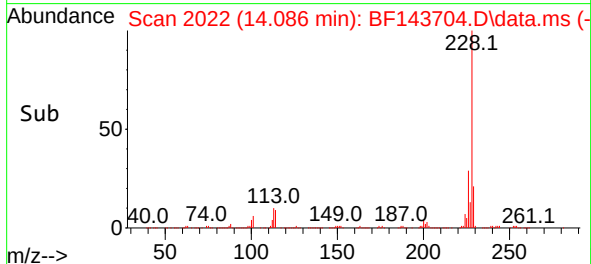
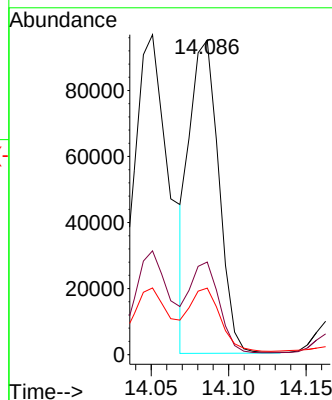
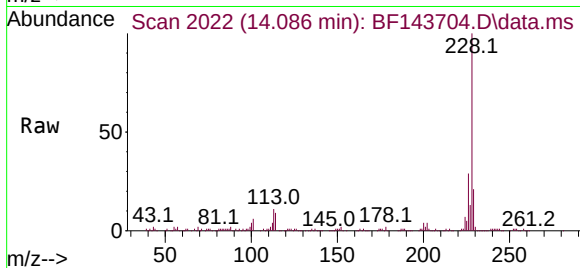
Tgt Ion:228	Resp:	124062
Ion Ratio	Lower	Upper
228	100	
226	29.5	22.7 34.1
229	21.2	15.1 22.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.202 ng

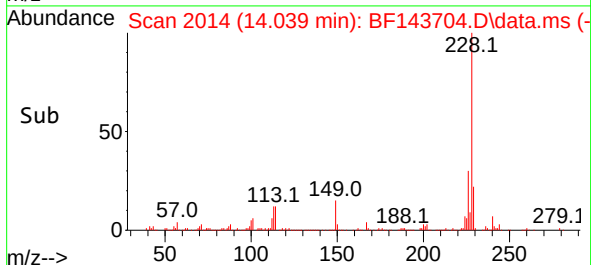
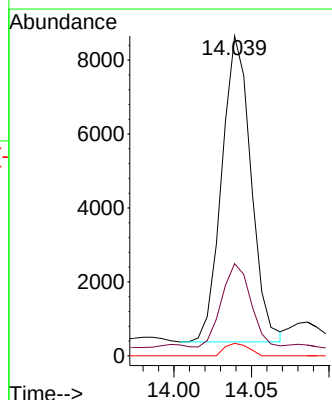
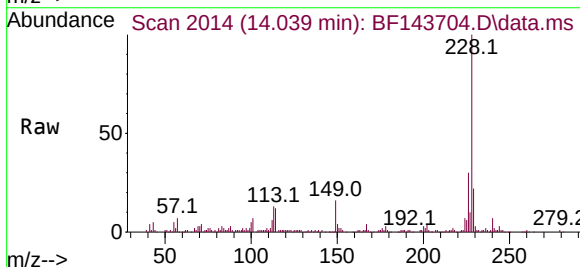
RT: 14.039 min Scan# 2014

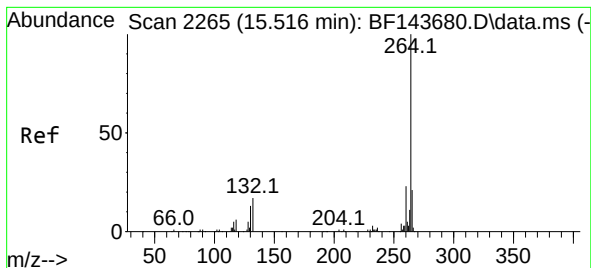
Delta R.T. 0.012 min

Lab File: BF143704.D

Acq: 11 Sep 2025 14:03

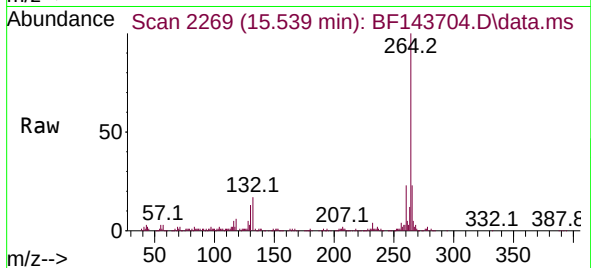
Tgt Ion:149	Resp:	10887
Ion Ratio	Lower	Upper
149	100	
167	28.8	22.2 33.2
279	3.9	3.5 5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

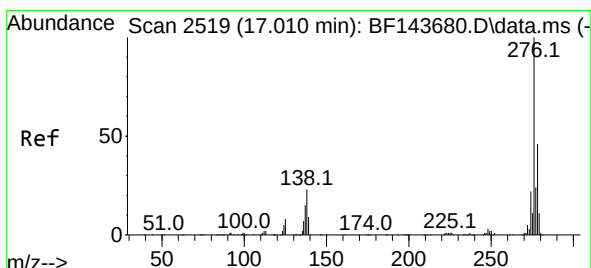
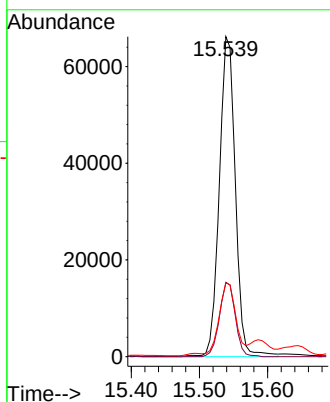
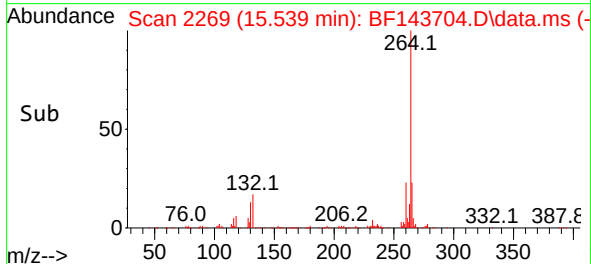
Instrument :
BNA_F
ClientSampleId :
VNJ-258



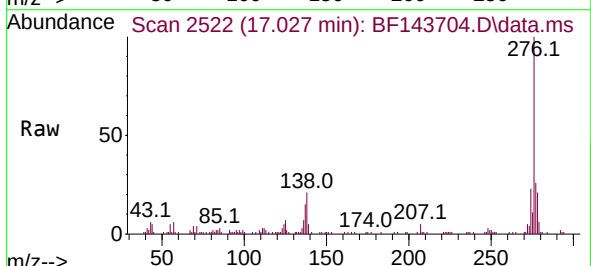
Tgt Ion:264 Resp: 10732
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 23.0 17.1 25.7

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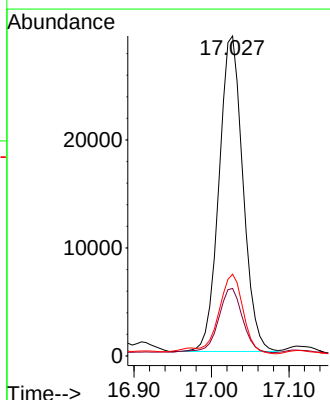
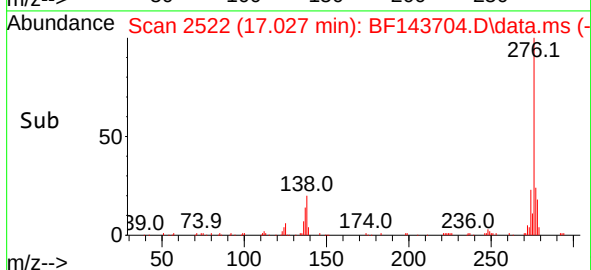
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

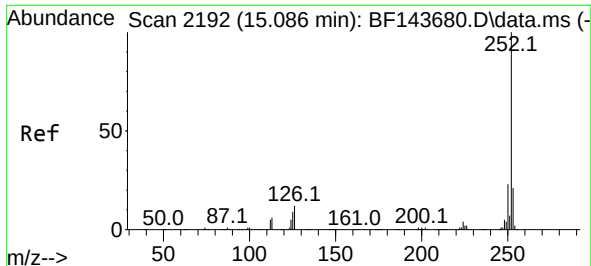


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.578 ng
RT: 17.027 min Scan# 2522
Delta R.T. 0.017 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



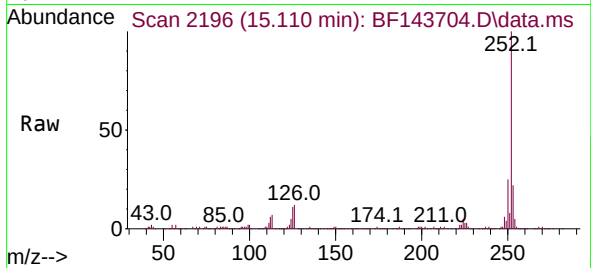
Tgt Ion:276 Resp: 62835
Ion Ratio Lower Upper
276 100
138 20.5 19.7 29.5
277 26.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 30.720 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.023 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

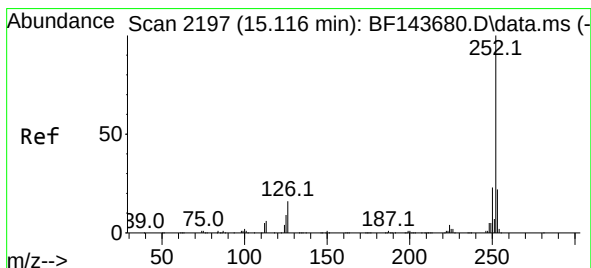
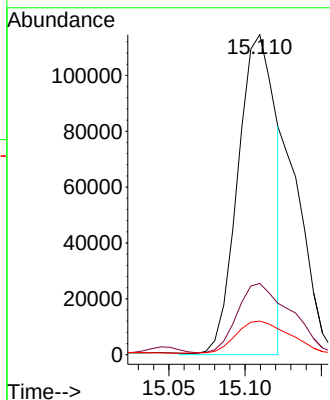
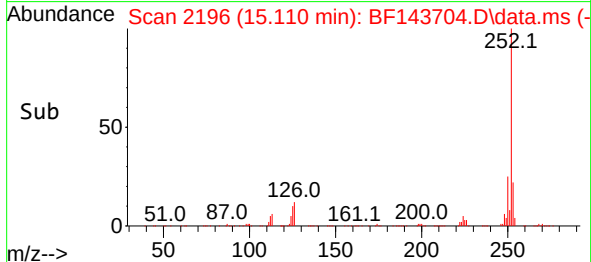
Instrument :
BNA_F
ClientSampleId :
VNJ-258



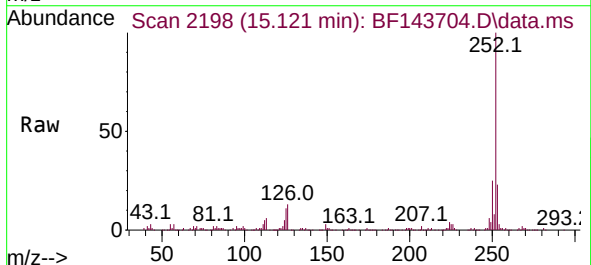
Tgt Ion:252 Resp: 196270
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 10.5 7.4 11.0

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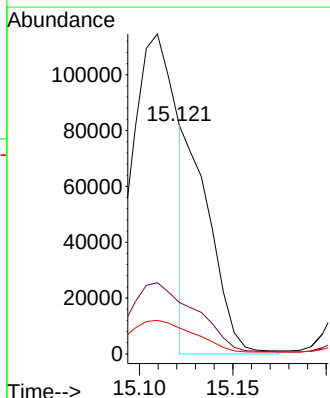
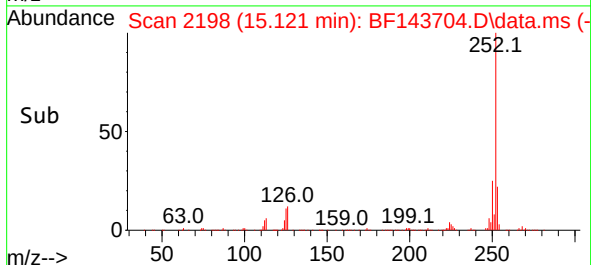
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

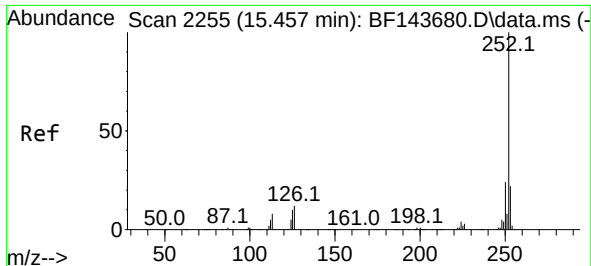


#89
Benzo(k)fluoranthene
Concen: 13.266 ng m
RT: 15.121 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



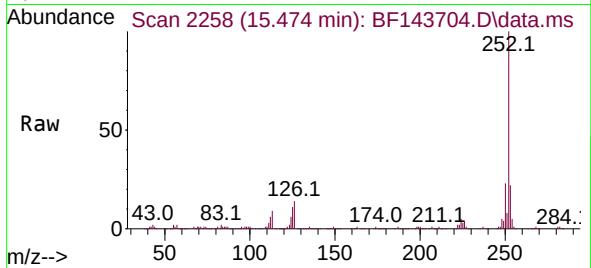
Tgt Ion:252 Resp: 76493
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 11.3 7.3 10.9#





#90
Benzo(a)pyrene
Concen: 25.390 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

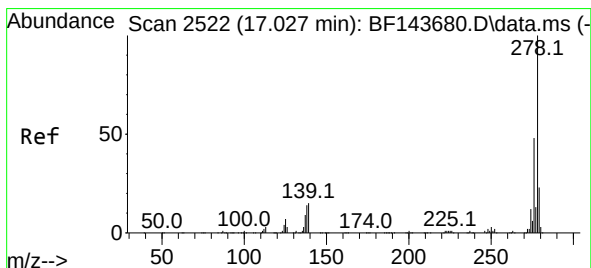
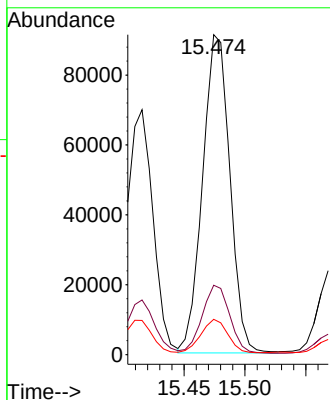
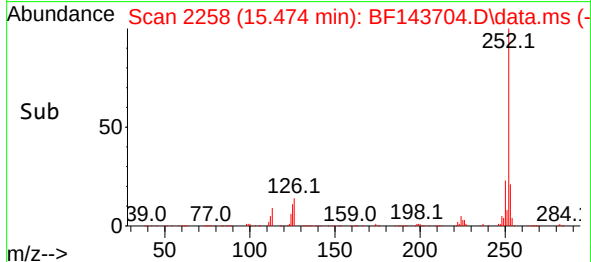
Instrument :
BNA_F
ClientSampleId :
VNJ-258



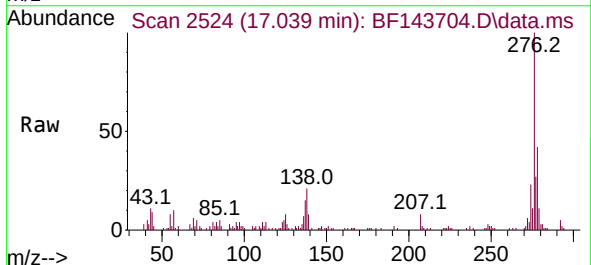
Tgt Ion:252 Resp: 142512
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 11.0 8.2 12.4

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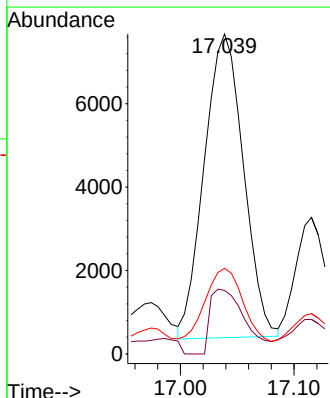
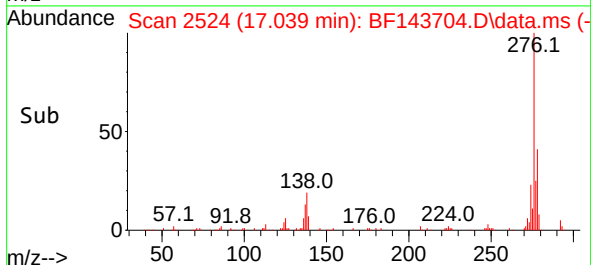
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

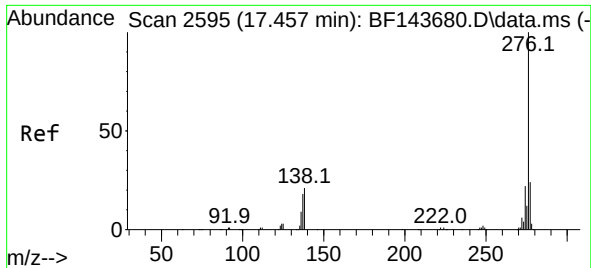


#91
Dibenzo(a,h)anthracene
Concen: 2.878 ng
RT: 17.039 min Scan# 2524
Delta R.T. 0.012 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03



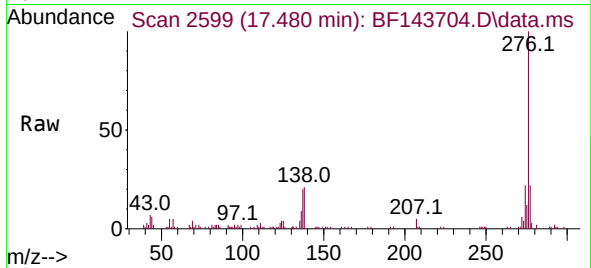
Tgt Ion:278 Resp: 17492
Ion Ratio Lower Upper
278 100
139 19.8 12.2 18.4#
279 26.7 18.7 28.1





#92
 Benzo(g,h,i)perylene
 Concen: 9.599 ng
 RT: 17.480 min Scan# 2599
 Delta R.T. 0.023 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258



Tgt Ion:	276	Resp:	5456
Ion Ratio	Lower	Upper	
276	100		
277	22.4	19.2	28.8
138	20.7	17.0	25.4

Manual Integrations
 APPROVED

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

