

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144218.D
 Acq On : 11 Nov 2025 22:57
 Operator : RC/JU
 Sample : Q3581-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200059

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

Quant Time: Nov 12 03:47:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	83583	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	318280	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	189908	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	330503	20.000	ng	0.00
76) Chrysene-d12	14.051	240	196430	20.000	ng	0.00
86) Perylene-d12	15.539	264	225195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361822	67.742	ng	0.00
7) Phenol-d6	6.498	99	424120	70.079	ng	0.00
23) Nitrobenzene-d5	7.434	82	268837	48.783	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	125901	52.830	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	568930	44.246	ng	0.00
79) Terphenyl-d14	12.992	244	522579	42.258	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	36636	2.226	ng	99
75) Fluoranthene	12.621	202	78881	4.641	ng	100
78) Pyrene	12.851	202	78061	4.929	ng	97
81) Benzo(a)anthracene	14.045	228	28899m	2.123	ng	
83) Chrysene	14.074	228	33262	2.647	ng	95
88) Benzo(b)fluoranthene	15.104	252	49800m	3.890	ng	
90) Benzo(a)pyrene	15.474	252	29067	2.461	ng	# 98

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

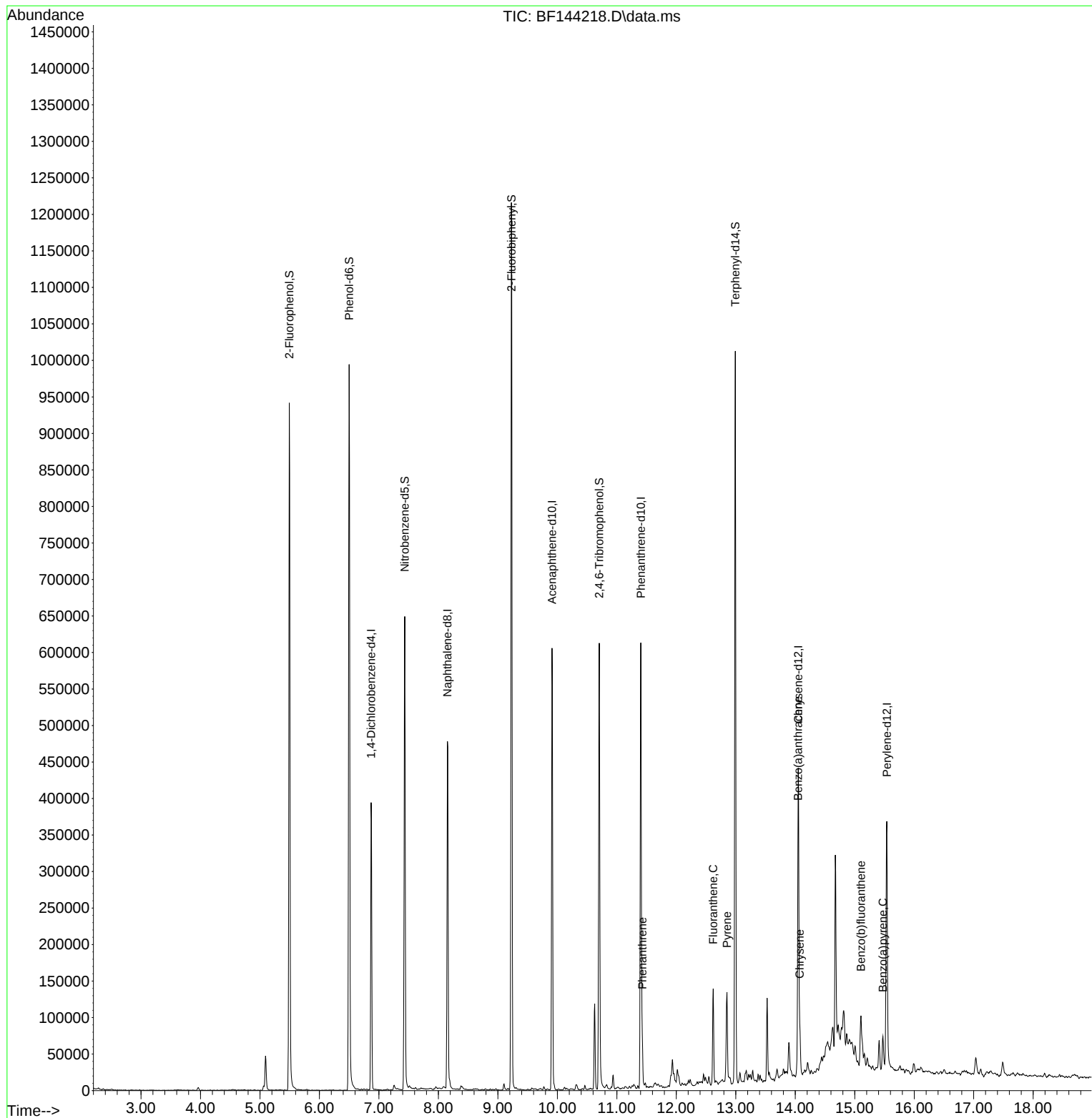
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
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ALS Vial : 13 Sample Multiplier: 1

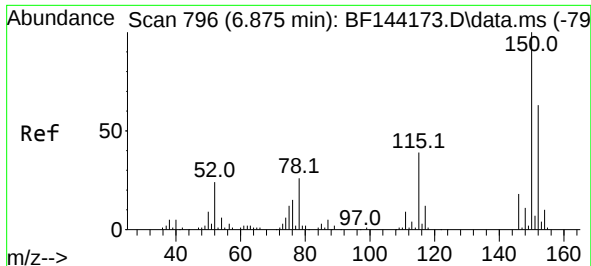
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Quant Time: Nov 12 03:47:20 2025
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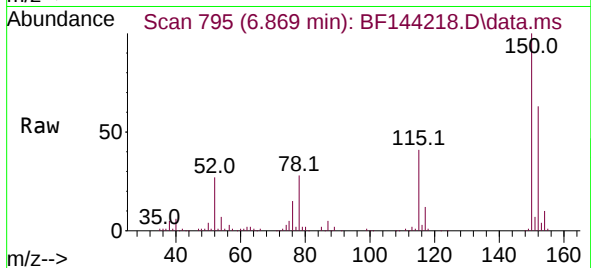
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Supervised By :Jagrut Upadhyay 11/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

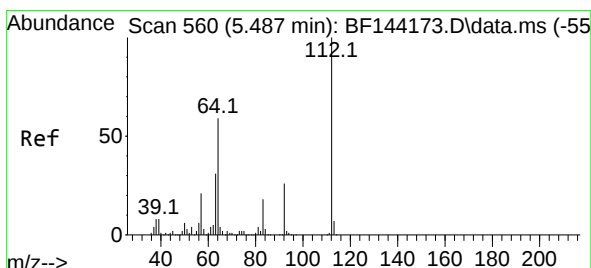
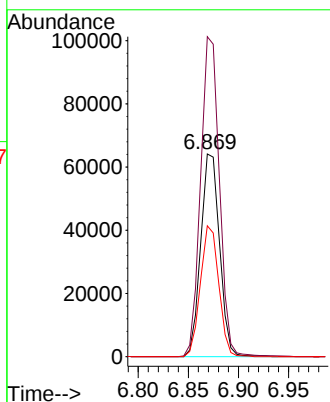
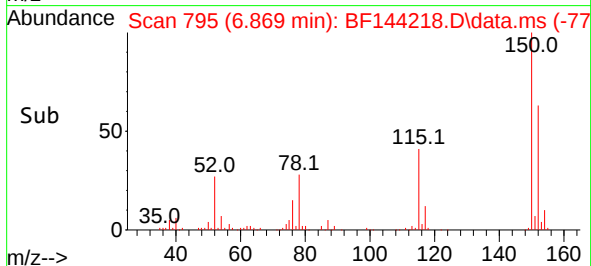
Instrument :
BNA_F
ClientSampleId :
RBR200059



Tgt Ion:152 Resp: 83583
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 64.5 49.5 74.3

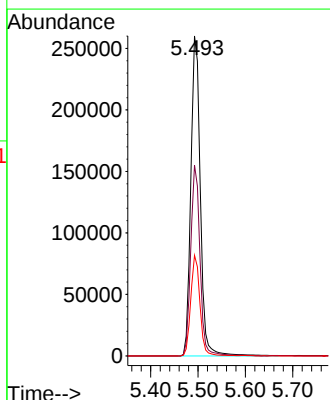
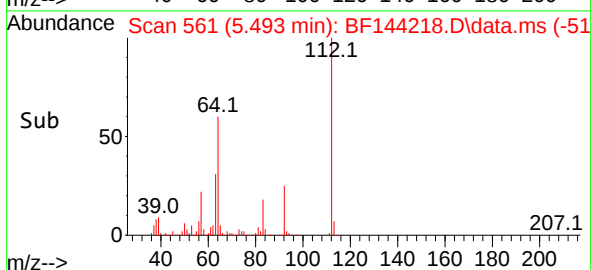
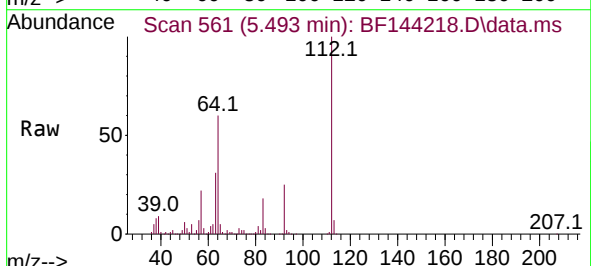
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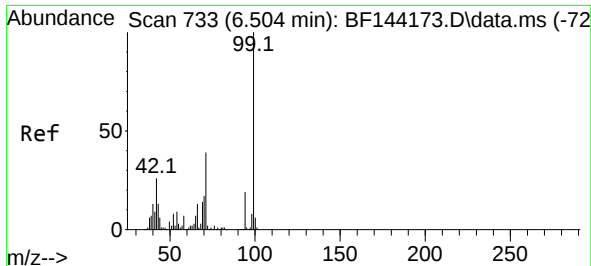
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Supervised By :Jagrut Upadhyay 11/12/2025



#5
2-Fluorophenol
Concen: 67.742 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

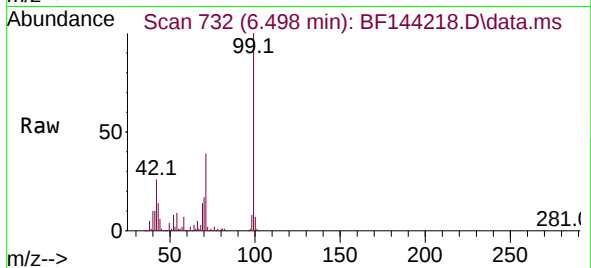
Tgt Ion:112 Resp: 361822
Ion Ratio Lower Upper
112 100
64 59.6 47.2 70.8
63 31.4 24.4 36.6





#7
Phenol-d6
Concen: 70.079 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

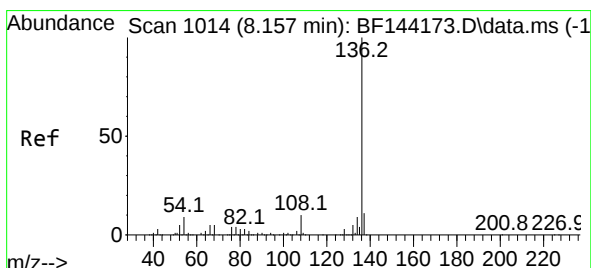
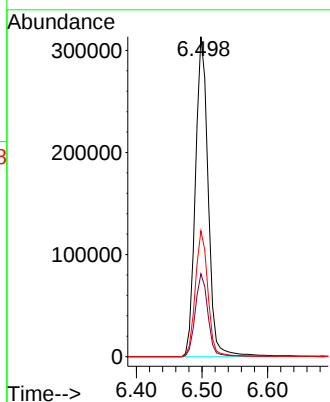
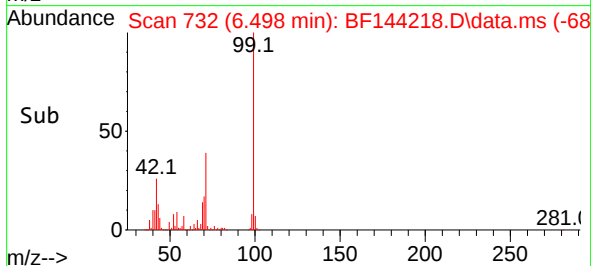
Instrument :
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Tgt Ion: 99 Resp: 424120
Ion Ratio Lower Upper
99 100
42 25.9 20.9 31.3
71 39.3 31.4 47.2

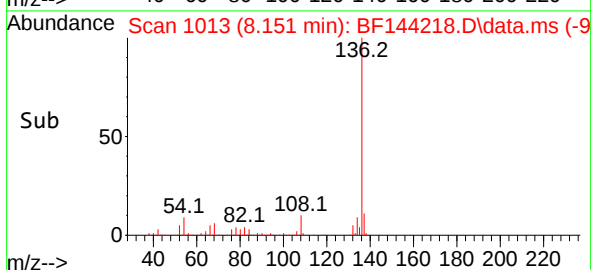
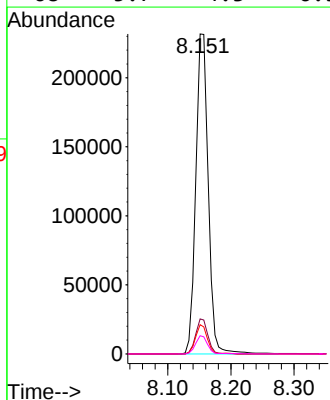
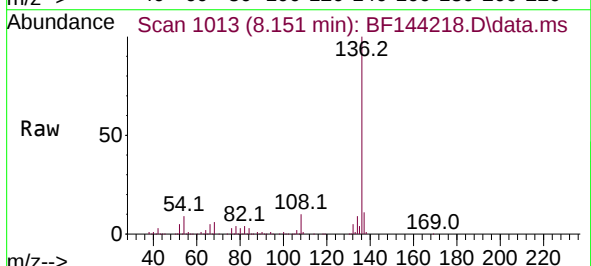
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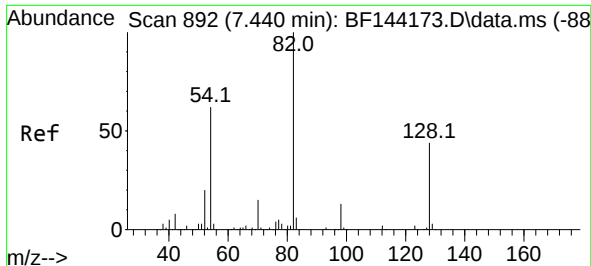
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Supervised By :Jagrut Upadhyay 11/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

Tgt Ion:136 Resp: 318280
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 7.0 10.6
68 5.7 4.3 6.5





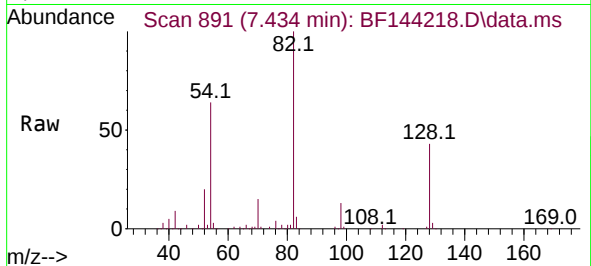
#23
Nitrobenzene-d5
Concen: 48.783 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

Instrument :

BNA_F

ClientSampleId :

RBR200059

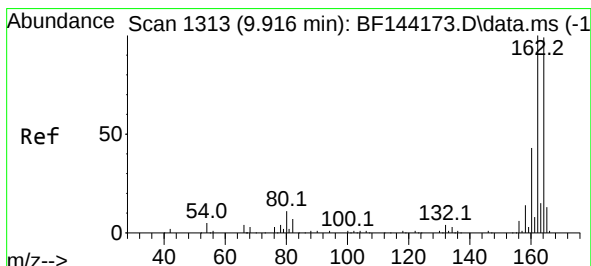
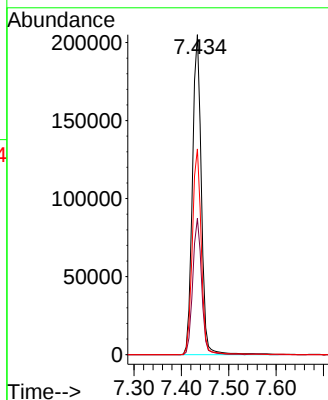
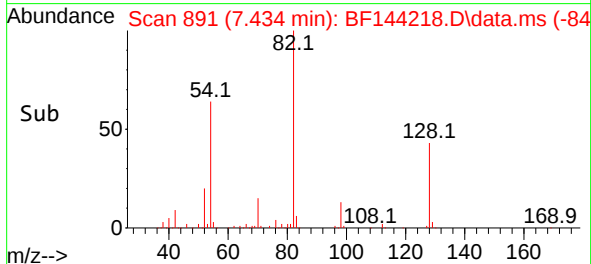


Tgt Ion: 82 Resp: 26883
Ion Ratio Lower Upper
82 100
128 42.6 34.7 52.1
54 64.3 49.5 74.3

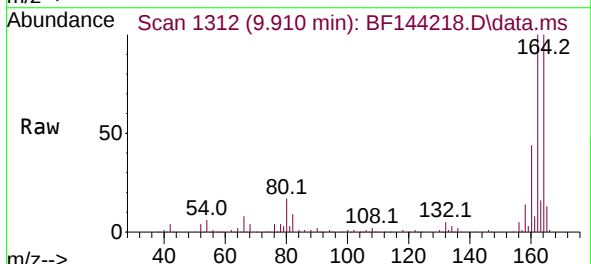
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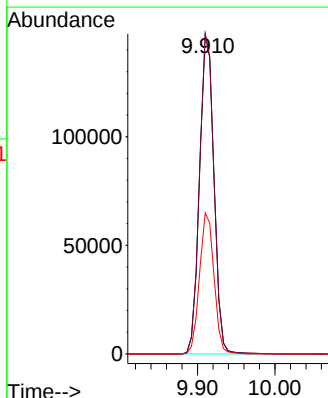
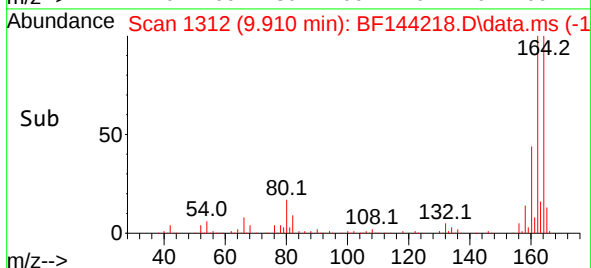
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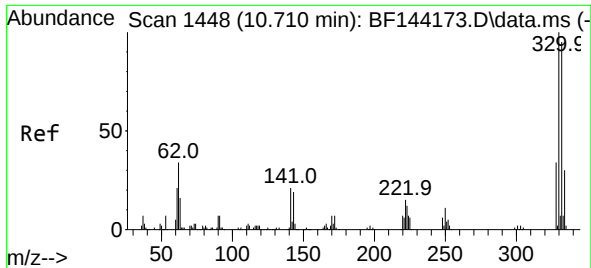


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57



Tgt Ion:164 Resp: 189908
Ion Ratio Lower Upper
164 100
162 100.1 81.1 121.7
160 44.1 34.5 51.7





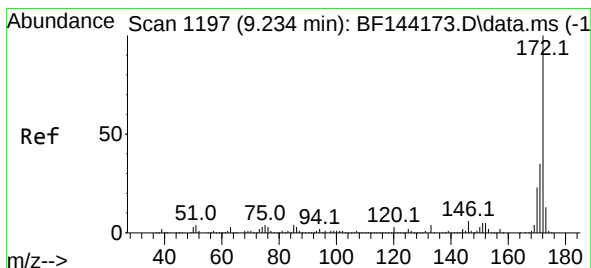
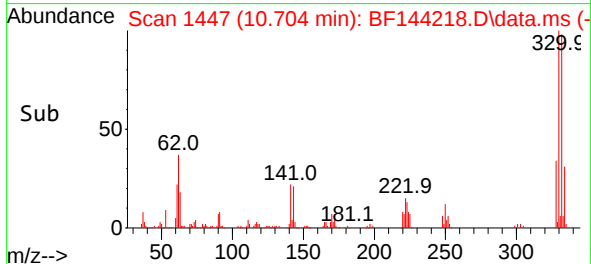
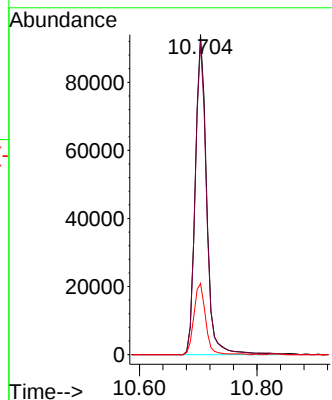
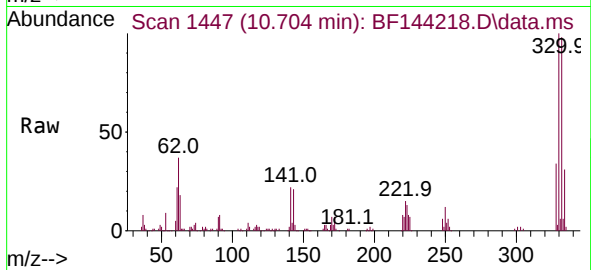
#42
2,4,6-Tribromophenol
Concen: 52.830 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

Instrument :
BNA_F
ClientSampleId :
RBR200059

Tgt Ion: 330 Resp: 125900
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 22.8 17.8 26.8

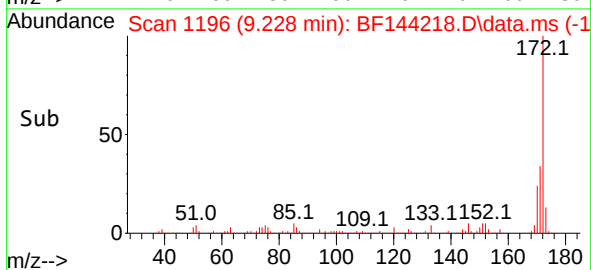
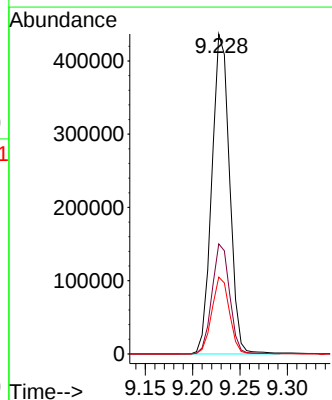
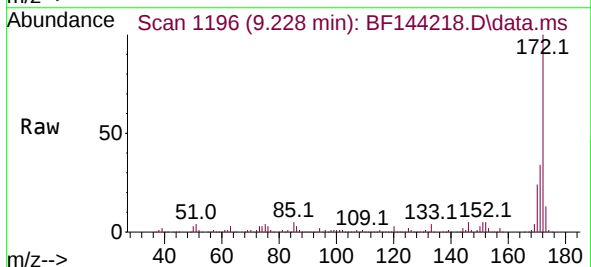
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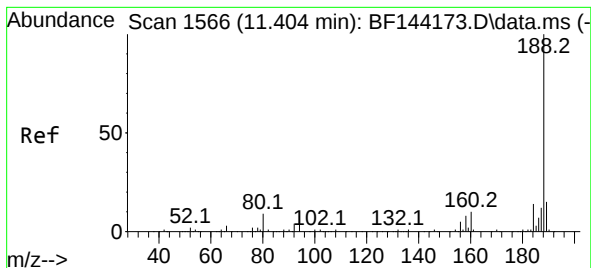
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Supervised By :Jagrut Upadhyay 11/12/2025



#45
2-Fluorobiphenyl
Concen: 44.246 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

Tgt Ion: 172 Resp: 568930
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 24.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144218.D

Acq: 11 Nov 2025 22:57

Instrument :

BNA_F

ClientSampleId :

RBR200059

Tgt Ion:188 Resp: 330503

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.2

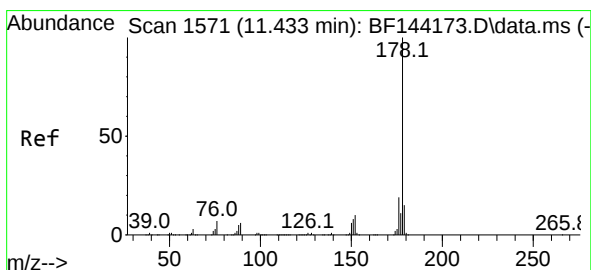
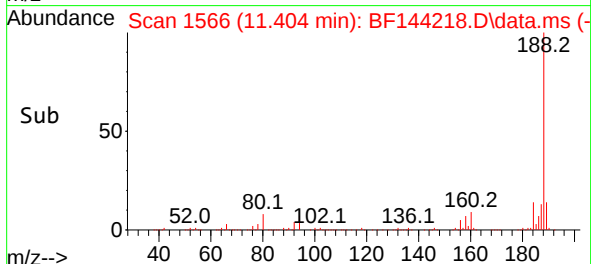
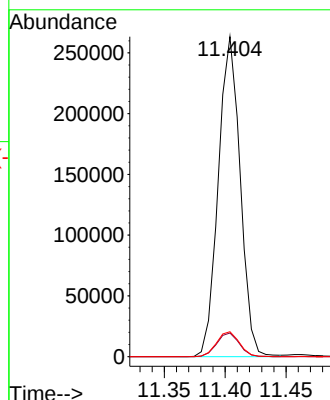
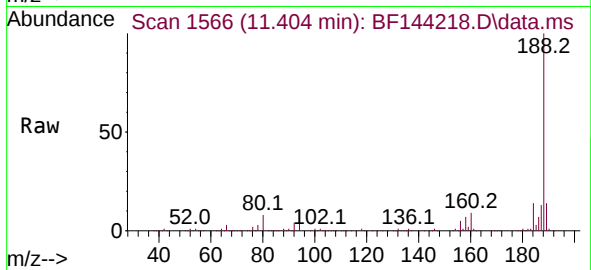
80 7.8 6.9 10.3

Manual Integrations

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#71

Phenanthrene

Concen: 2.226 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.000 min

Lab File: BF144218.D

Acq: 11 Nov 2025 22:57

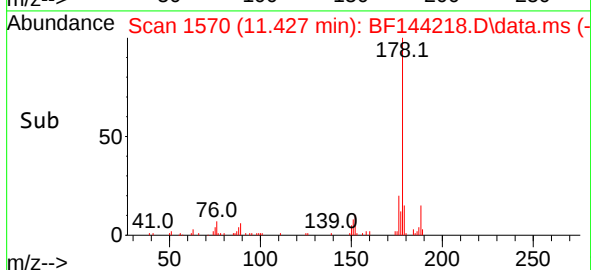
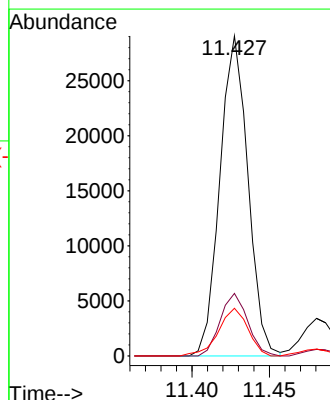
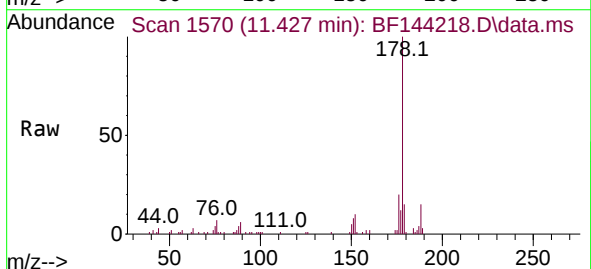
Tgt Ion:178 Resp: 36636

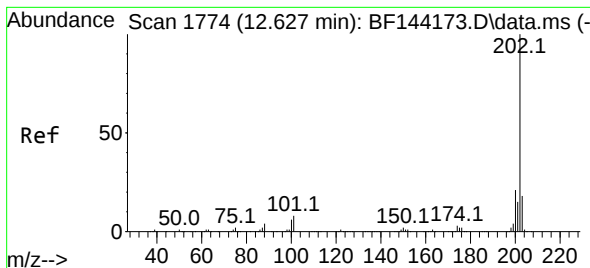
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

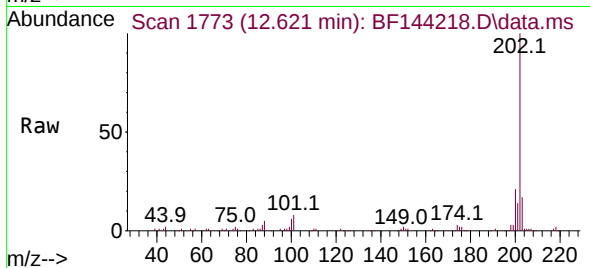
179 14.9 12.2 18.4





#75
Fluoranthene
Concen: 4.641 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

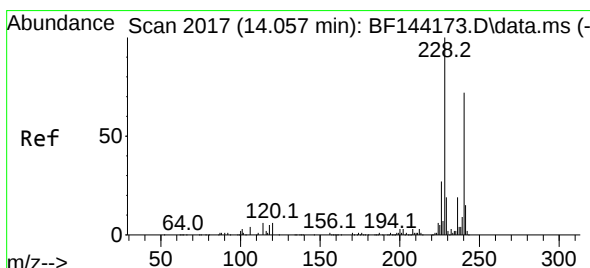
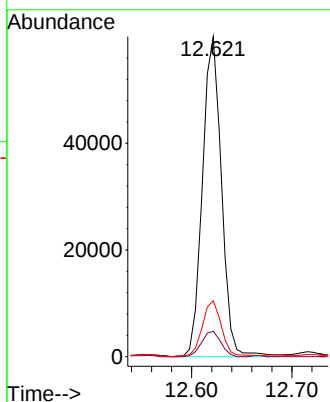
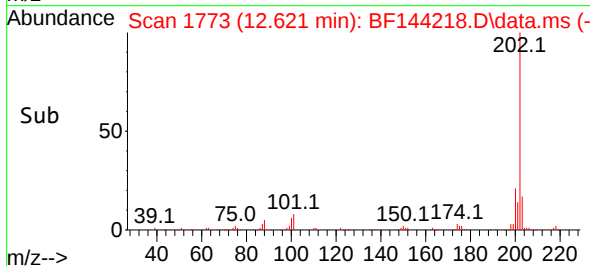
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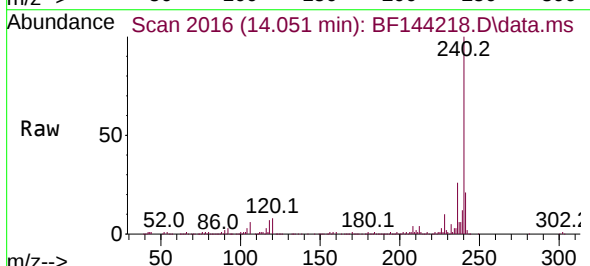
Tgt Ion:202 Resp: 7888
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.9
203 17.5 0.0 37.5

Manual Integrations
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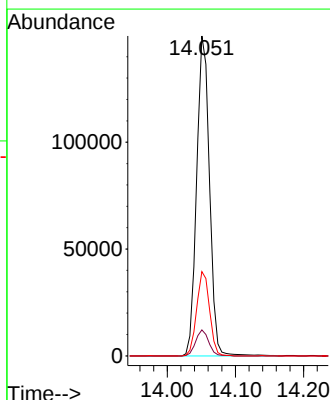
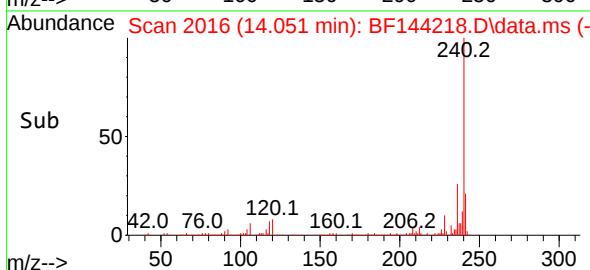
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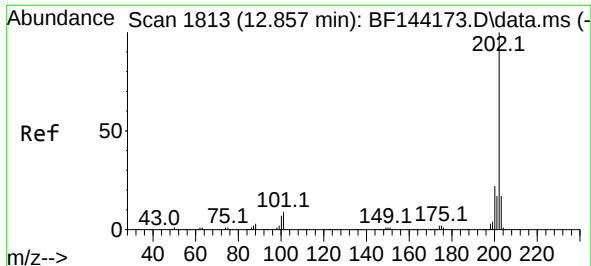


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57



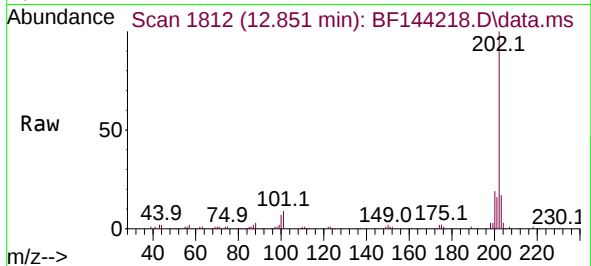
Tgt Ion:240 Resp: 196430
Ion Ratio Lower Upper
240 100
120 8.1 6.6 10.0
236 26.3 21.4 32.2





#78
Pyrene
Concen: 4.929 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

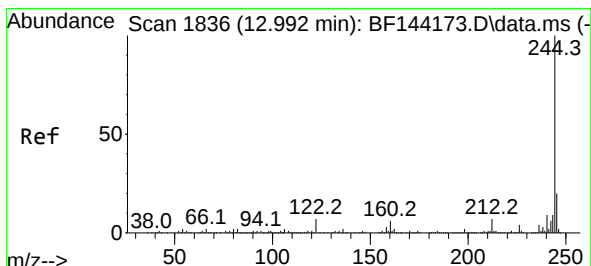
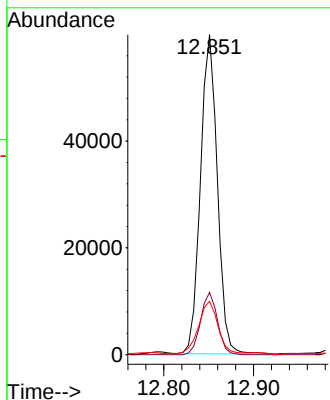
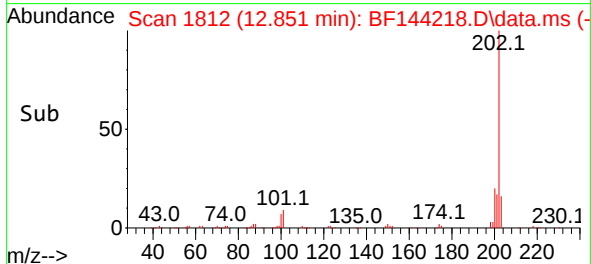
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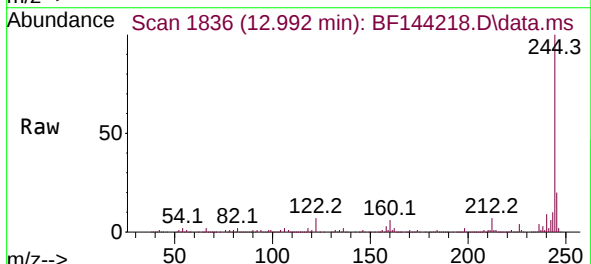
Tgt Ion:202 Resp: 78061
Ion Ratio Lower Upper
202 100
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203 16.7 13.7 20.5

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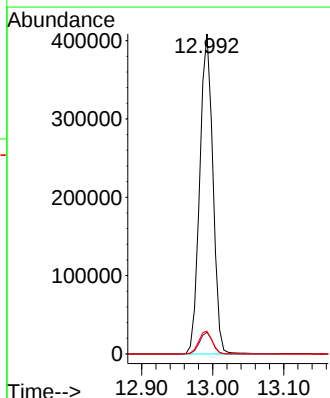
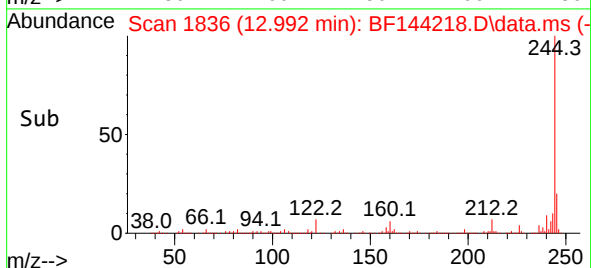
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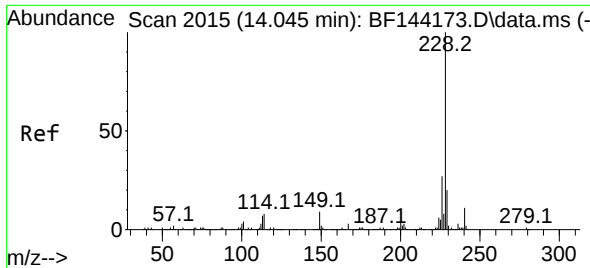


#79
Terphenyl-d14
Concen: 42.258 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57



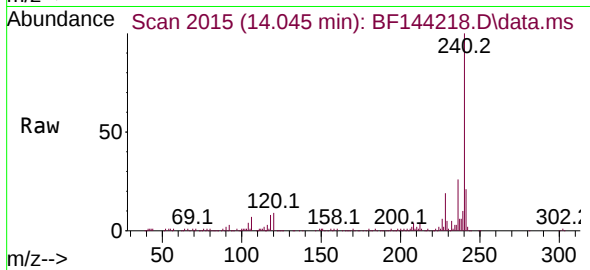
Tgt Ion:244 Resp: 522579
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 7.1 5.6 8.4





#81
Benzo(a)anthracene
Concen: 2.123 ng m
RT: 14.045 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

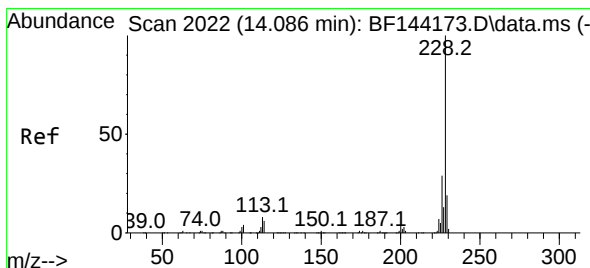
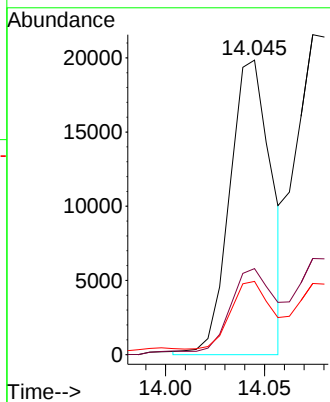
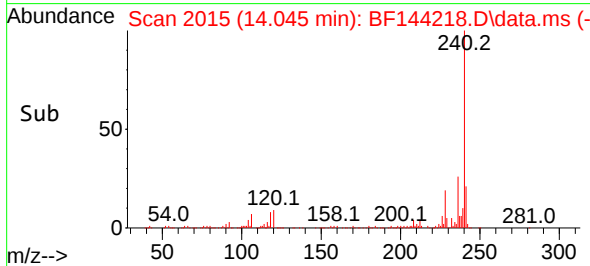
Instrument :
BNA_F
ClientSampleId :
RBR200059



Tgt Ion:228 Resp: 2889
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.8
229 24.9 15.8 23.6

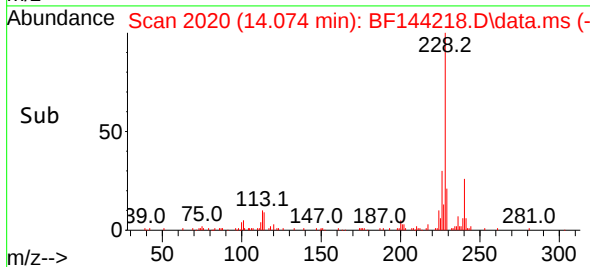
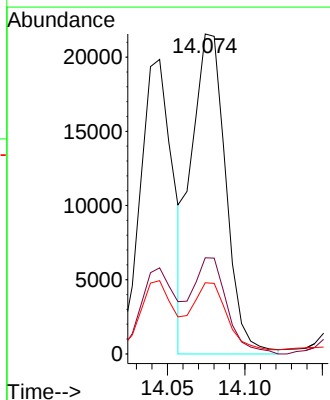
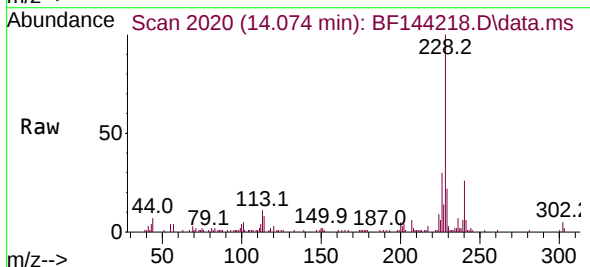
Manual Integrations
APPROVED

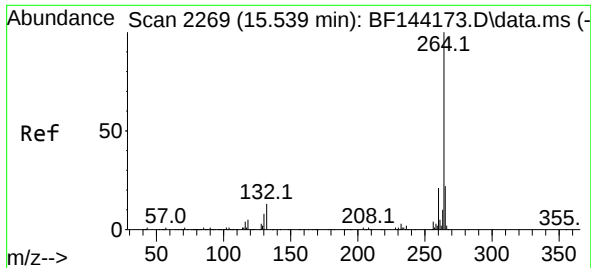
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#83
Chrysene
Concen: 2.647 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

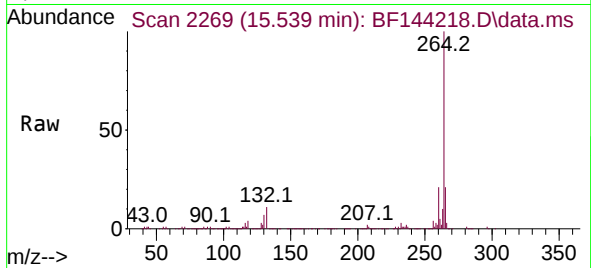
Tgt Ion:228 Resp: 33262
Ion Ratio Lower Upper
228 100
226 30.0 22.9 34.3
229 22.3 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

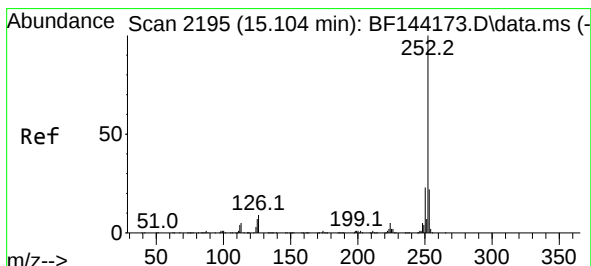
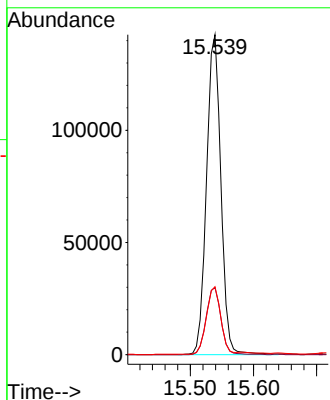
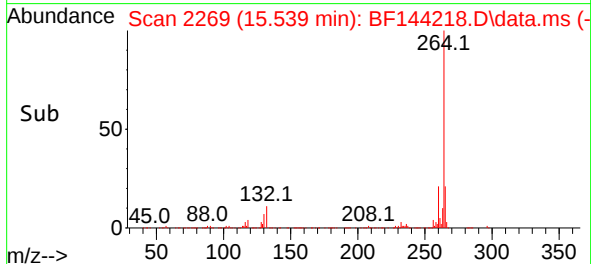
Instrument :
BNA_F
ClientSampleId :
RBR200059



Tgt Ion:264 Resp: 225195
Ion Ratio Lower Upper
264 100
260 20.9 17.1 25.7
265 21.2 17.4 26.0

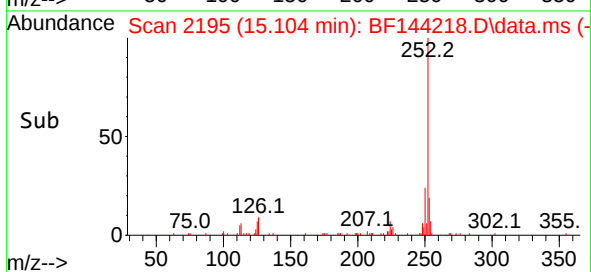
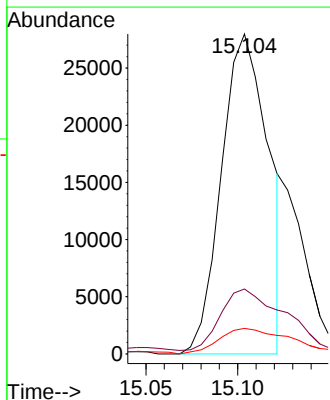
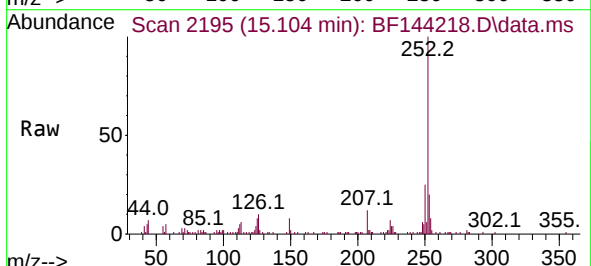
Manual Integrations
APPROVED

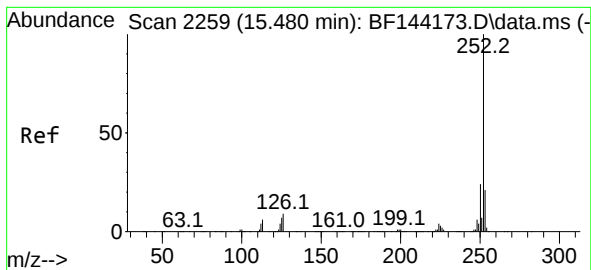
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#88
Benzo(b)fluoranthene
Concen: 3.890 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

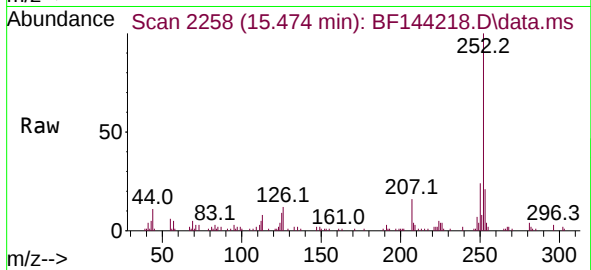
Tgt Ion:252 Resp: 49800
Ion Ratio Lower Upper
252 100
253 20.3 17.4 26.2
125 8.0 5.3 7.9#





#90
Benzo(a)pyrene
Concen: 2.461 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.000 min
Lab File: BF144218.D
Acq: 11 Nov 2025 22:57

Instrument :
BNA_F
ClientSampleId :
RBR200059



Tgt Ion:252 Resp: 29062
Ion Ratio Lower Upper
252 100
253 21.2 16.7 25.1
125 9.3 5.7 8.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

