

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144067.D
 Acq On : 24 Oct 2025 18:20
 Operator : RC/JU
 Sample : Q3431-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-10222025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 18:39:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	46455	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	155341	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	77992	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	133544	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122722	20.000	ng	0.00
86) Perylene-d12	15.539	264	152863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	119440	40.677	ng	0.00
7) Phenol-d6	6.498	99	127395	39.285	ng	0.00
23) Nitrobenzene-d5	7.440	82	80787	28.493	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	37848	38.097	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	152874	27.583	ng	0.00
79) Terphenyl-d14	12.992	244	175670	25.025	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	16357	2.466	ng	94
75) Fluoranthene	12.622	202	34334	4.685	ng	96
78) Pyrene	12.851	202	40724m	4.616	ng	
81) Benzo(a)anthracene	14.045	228	24669	2.974	ng	# 93
83) Chrysene	14.080	228	20906	2.686	ng	97
88) Benzo(b)fluoranthene	15.104	252	23929m	2.769	ng	
90) Benzo(a)pyrene	15.474	252	19254	2.483	ng	# 87

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

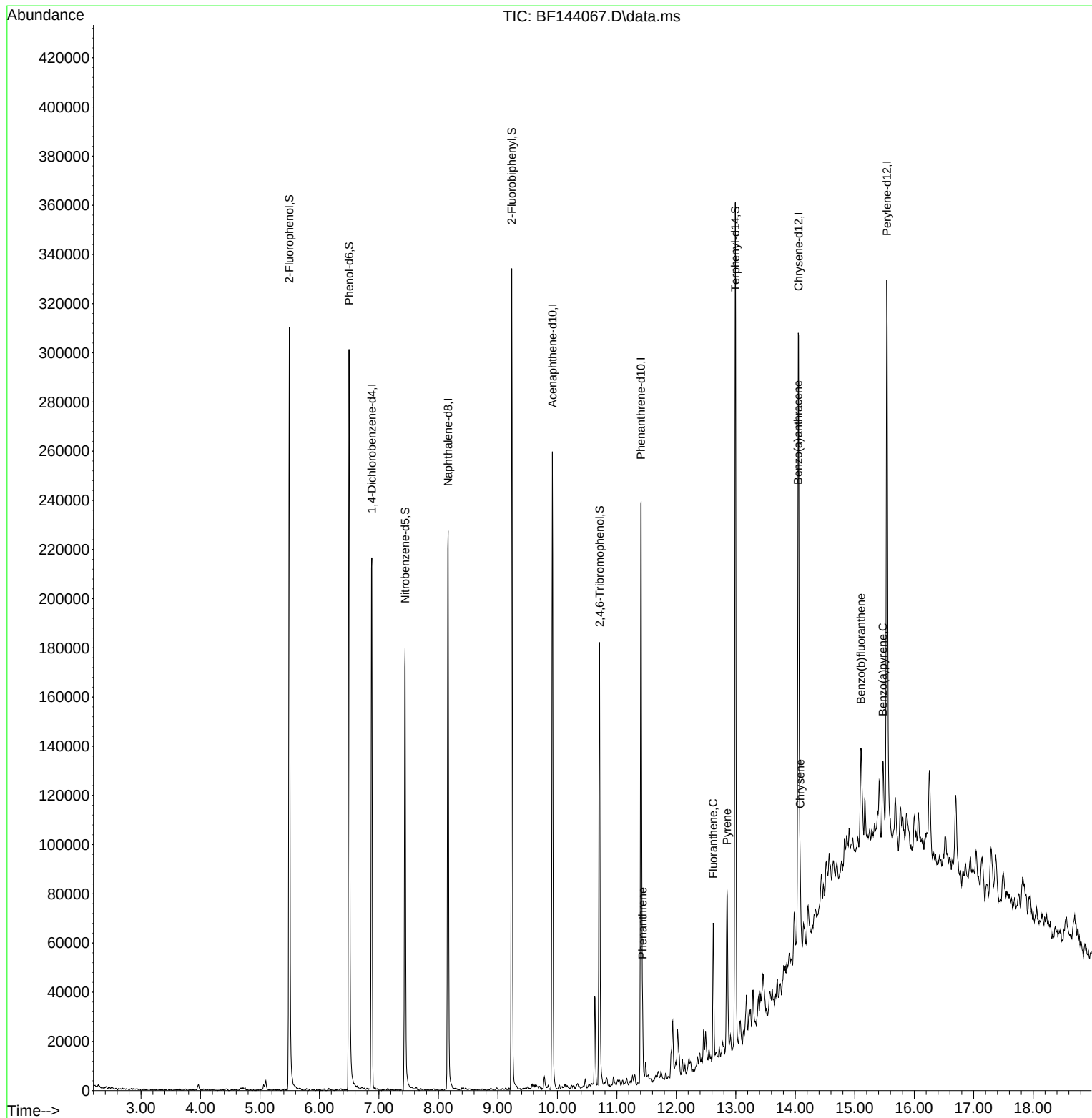
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144067.D
Acq On : 24 Oct 2025 18:20
Operator : RC/JU
Sample : Q3431-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

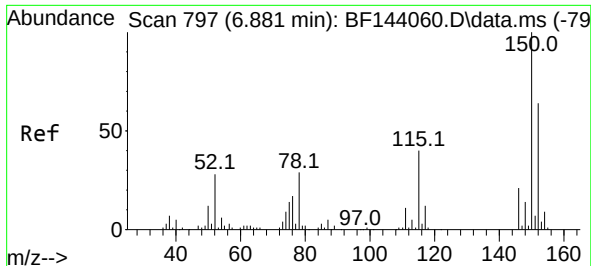
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

Quant Time: Oct 24 18:39:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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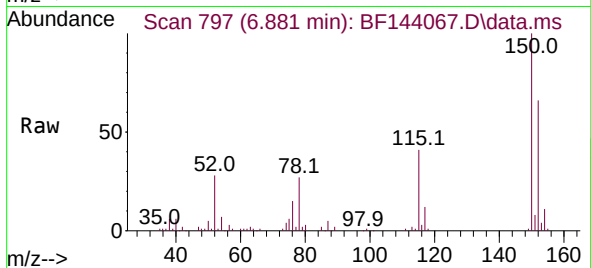
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

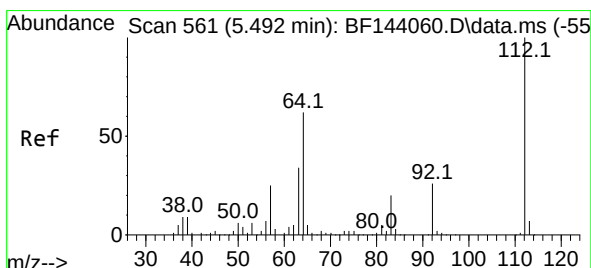
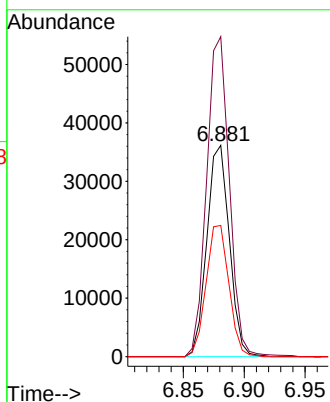
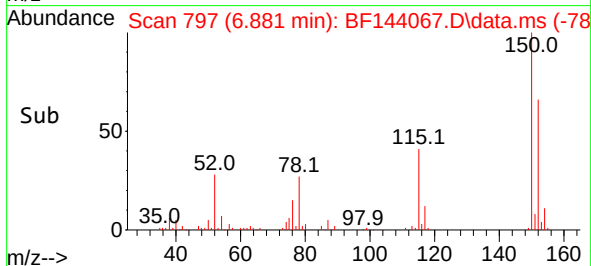
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



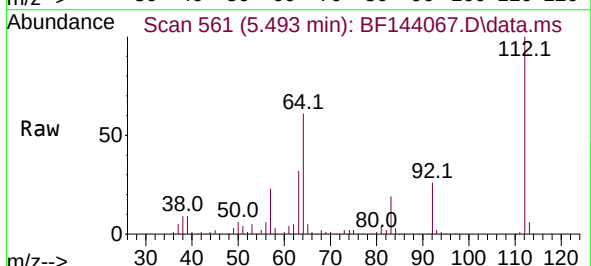
Tgt Ion:152 Resp: 46458
Ion Ratio Lower Upper
152 100
150 151.5 124.4 186.6
115 62.1 49.4 74.0

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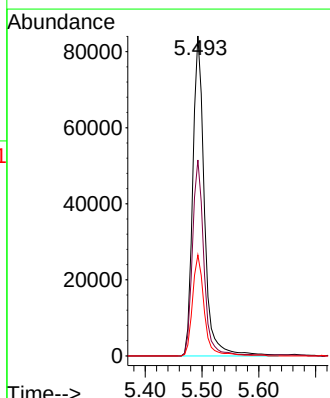
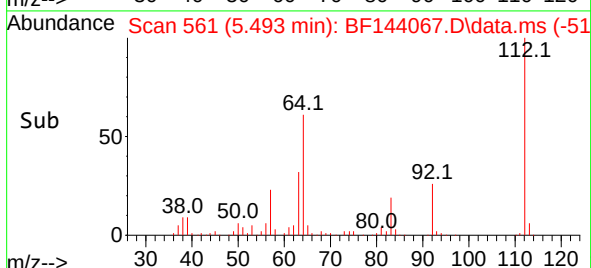
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

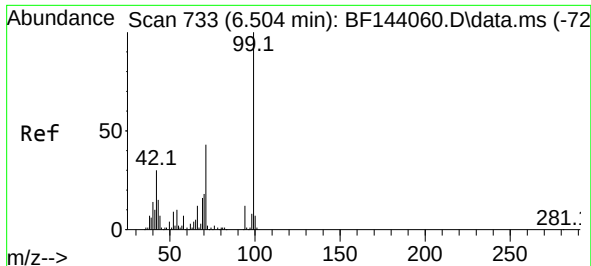


#5
2-Fluorophenol
Concen: 40.677 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20



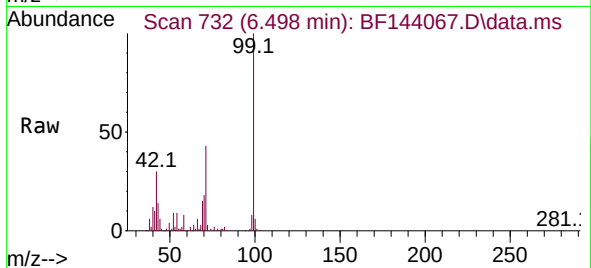
Tgt Ion:112 Resp: 119440
Ion Ratio Lower Upper
112 100
64 61.2 49.8 74.8
63 31.5 27.4 41.2





#7
Phenol-d6
Concen: 39.285 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

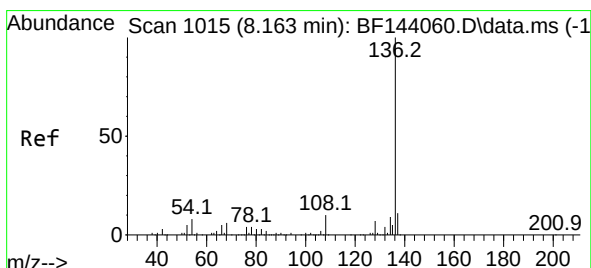
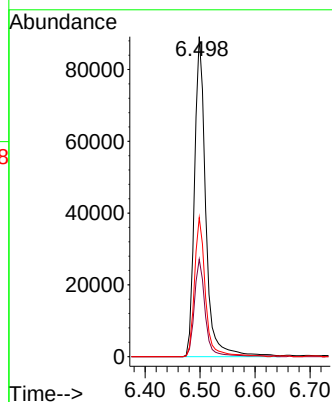
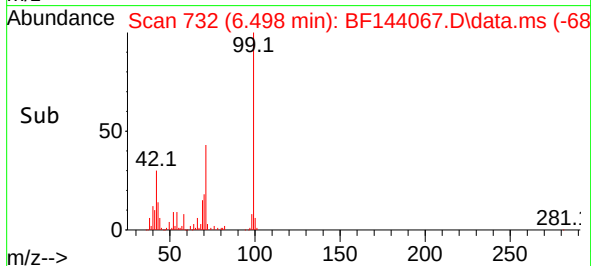
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



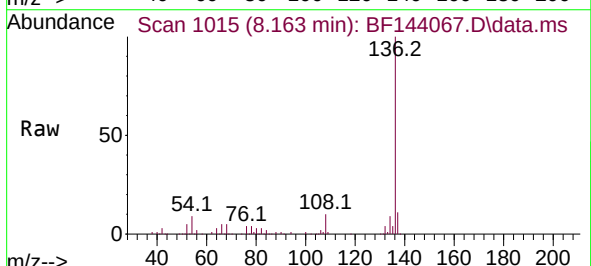
Tgt Ion: 99 Resp: 127395
Ion Ratio Lower Upper
99 100
42 30.4 23.9 35.9
71 43.4 34.4 51.6

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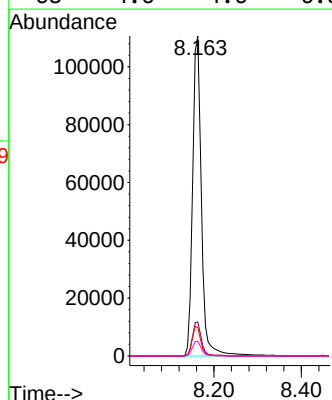
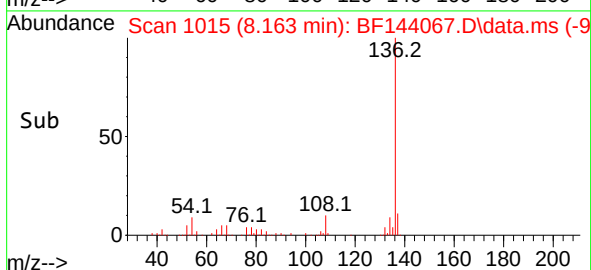
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

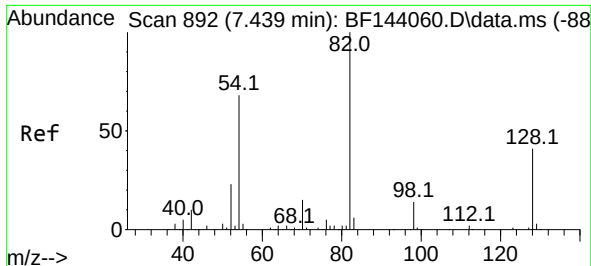


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20



Tgt Ion:136 Resp: 155341
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.8 6.6 9.8
68 4.6 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 28.493 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF144067.D

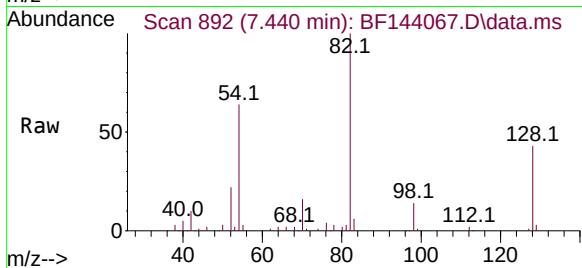
Acq: 24 Oct 2025 18:20

Instrument :

BNA_F

ClientSampleId :

EO-02-10222025



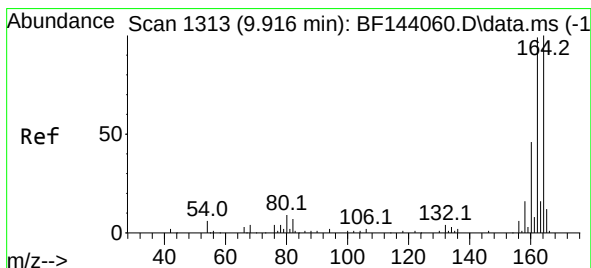
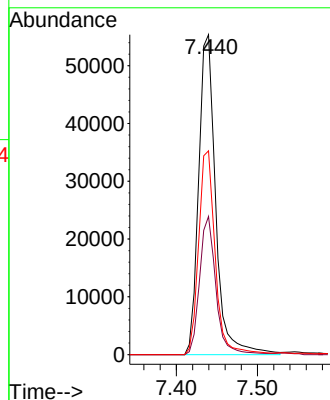
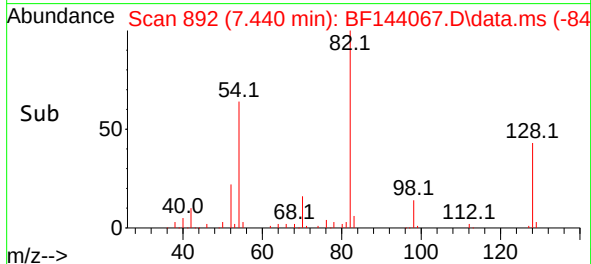
Tgt Ion: 82	Resp: 8078
Ion Ratio	Lower Upper
82	100
128	43.2 32.4 48.6
54	63.7 54.0 81.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

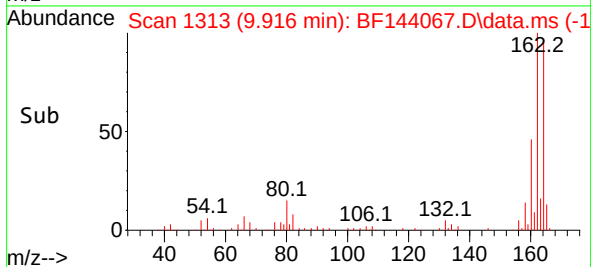
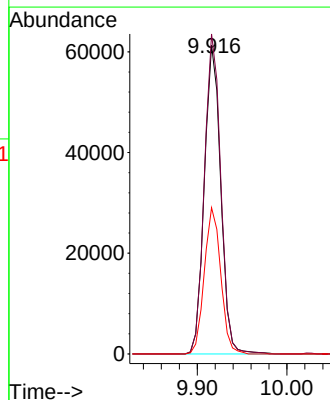
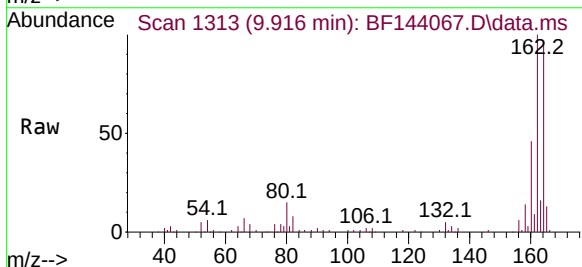
RT: 9.916 min Scan# 1313

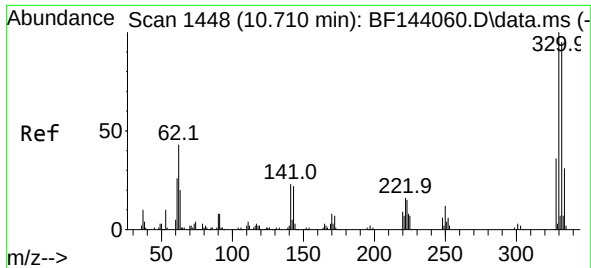
Delta R.T. 0.000 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

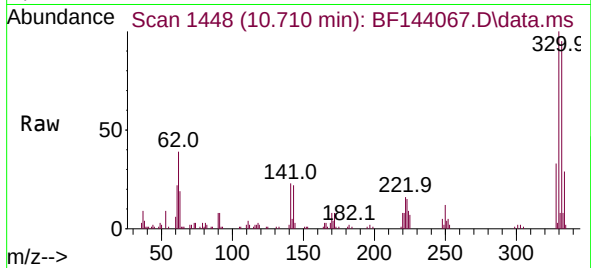
Tgt Ion:164	Resp: 77992
Ion Ratio	Lower Upper
164	100
162	103.6 79.4 119.2
160	47.3 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 38.097 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

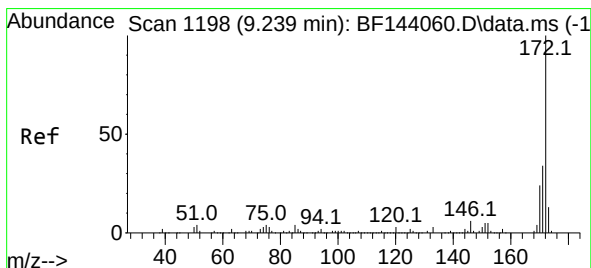
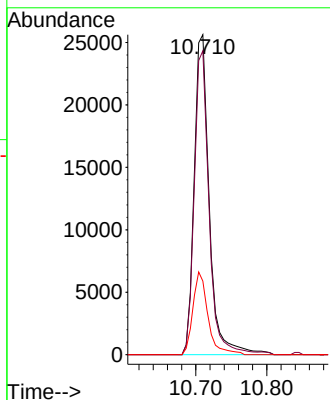
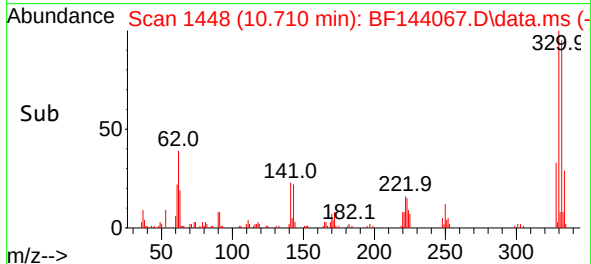
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



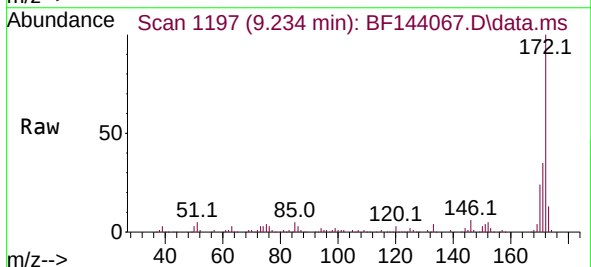
Tgt Ion: 330 Resp: 37848
Ion Ratio Lower Upper
330 100
332 93.1 77.0 115.6
141 25.8 19.4 29.0

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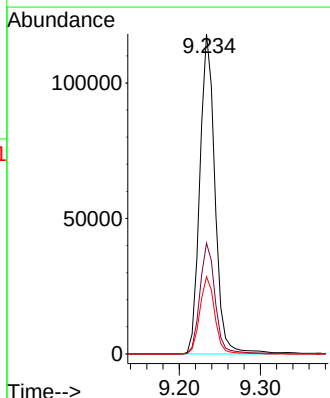
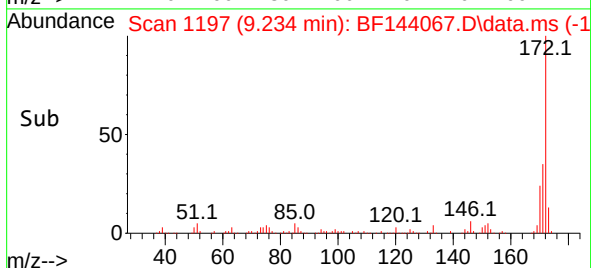
Reviewed By :Rahul Chavli 10/27/2025
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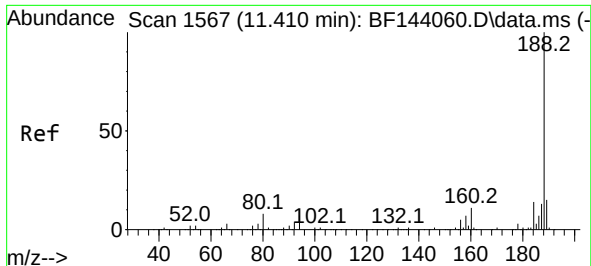


#45
2-Fluorobiphenyl
Concen: 27.583 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20



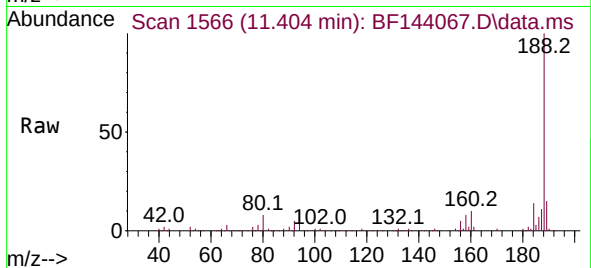
Tgt Ion: 172 Resp: 152874
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 24.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

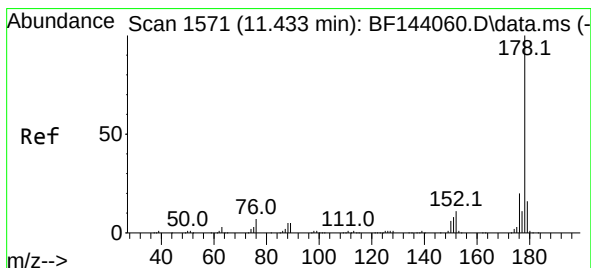
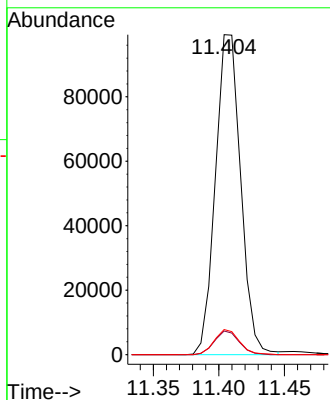
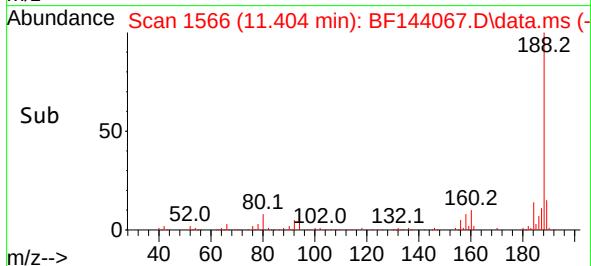
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



Tgt Ion:188 Resp: 133544
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 7.8 6.0 9.0

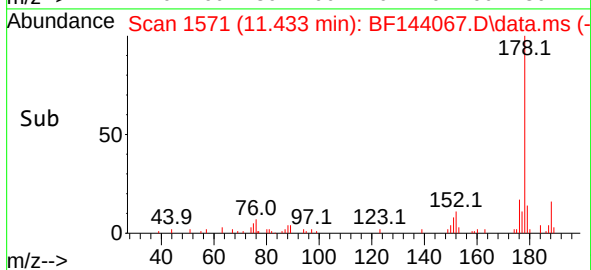
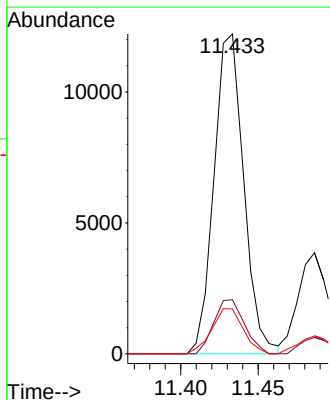
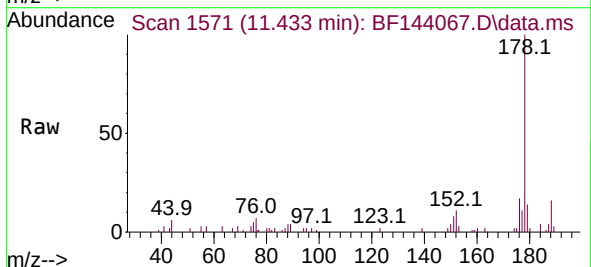
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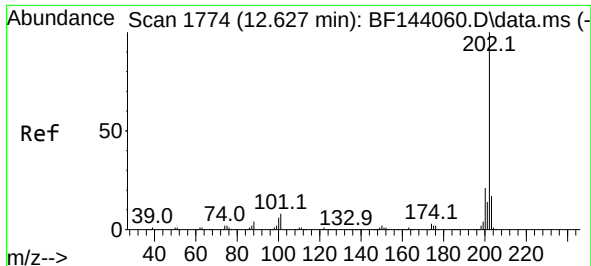
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#71
Phenanthrene
Concen: 2.466 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

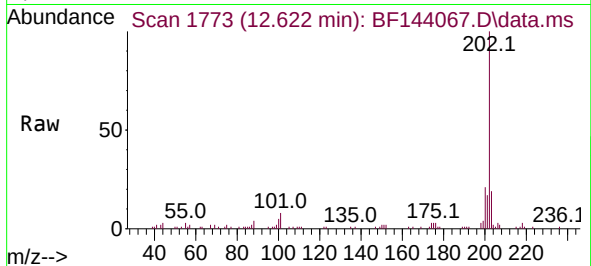
Tgt Ion:178 Resp: 16357
Ion Ratio Lower Upper
178 100
176 16.9 16.3 24.5
179 14.0 12.6 18.8





#75
Fluoranthene
Concen: 4.685 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

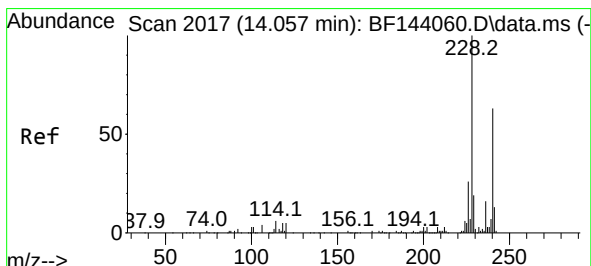
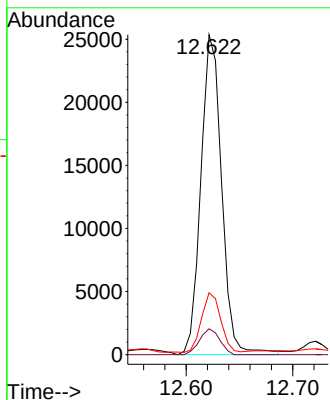
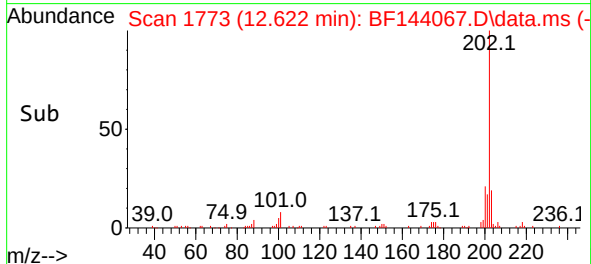
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BNA_F
ClientSampleId :
EO-02-10222025



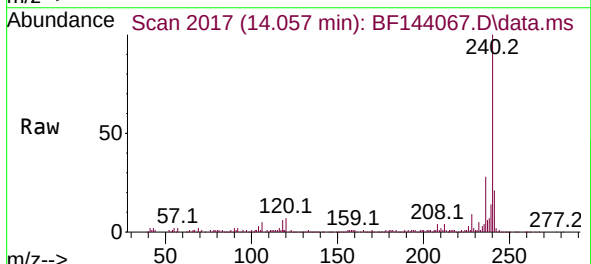
Tgt Ion:202 Resp: 34334
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.7
203 19.3 0.0 37.3

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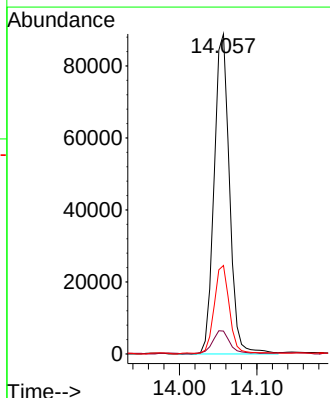
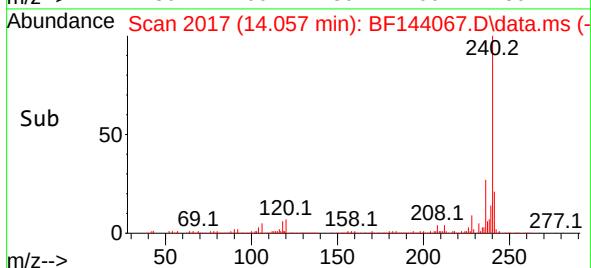
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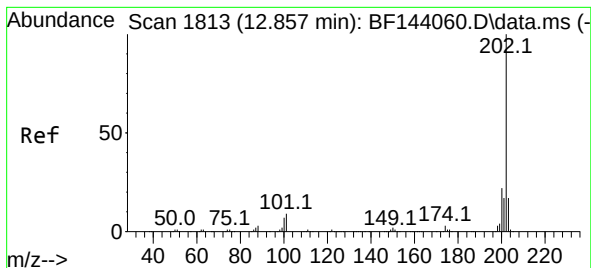


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20



Tgt Ion:240 Resp: 122722
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 27.7 20.1 30.1





#78

Pyrene

Concen: 4.616 ng m

RT: 12.851 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

Instrument :

BNA_F

ClientSampleId :

EO-02-10222025

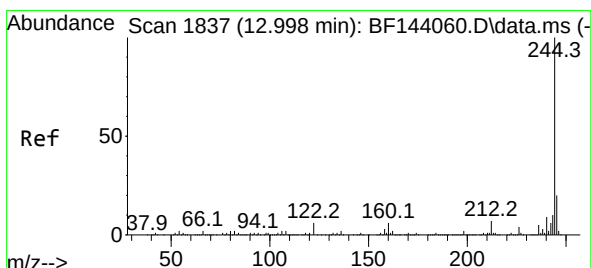
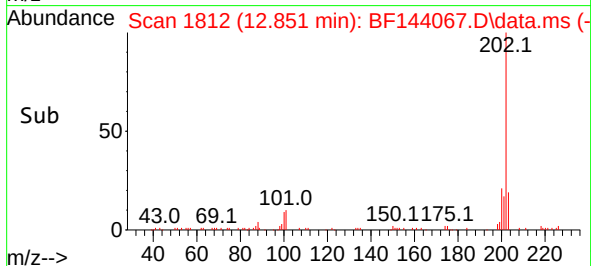
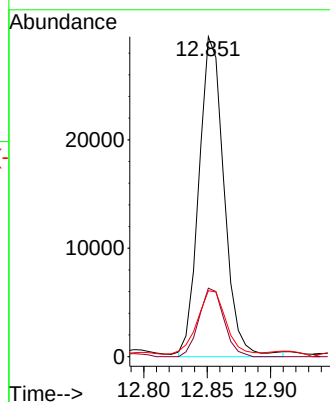
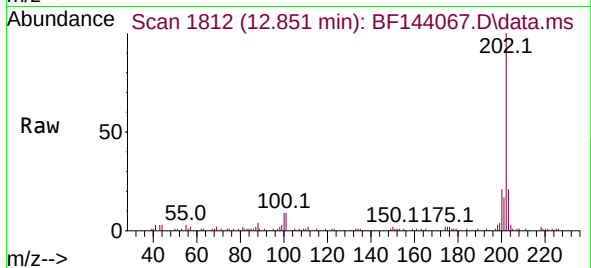
Tgt Ion:	202	Resp:	40724
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.2	25.8
203	20.6	13.5	20.3

Manual Integrations

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#79

Terphenyl-d14

Concen: 25.025 ng

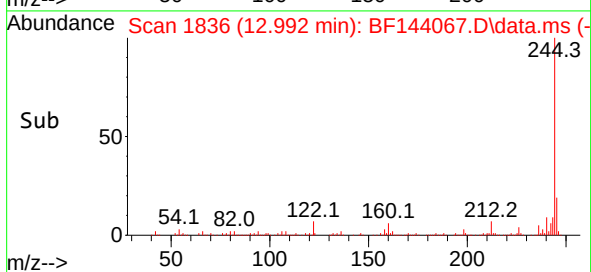
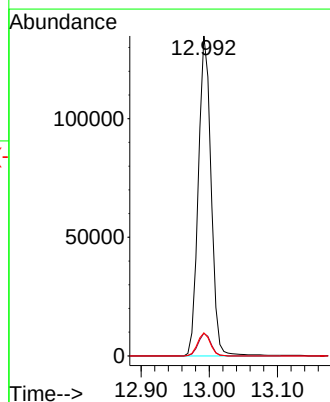
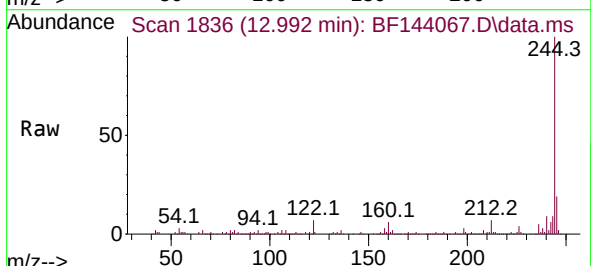
RT: 12.992 min Scan# 1836

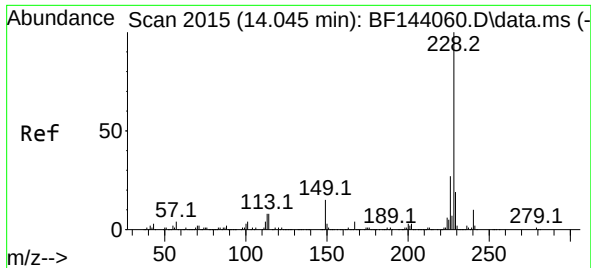
Delta R.T. -0.006 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

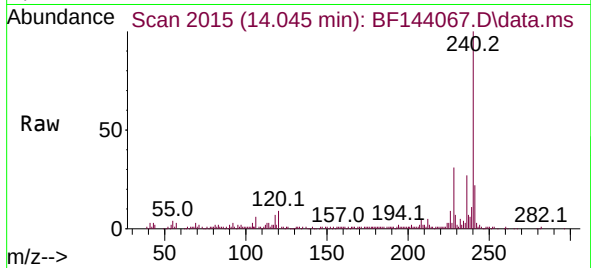
Tgt Ion:	244	Resp:	175670
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.6
122	7.2	4.9	7.3





#81
Benzo(a)anthracene
Concen: 2.974 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

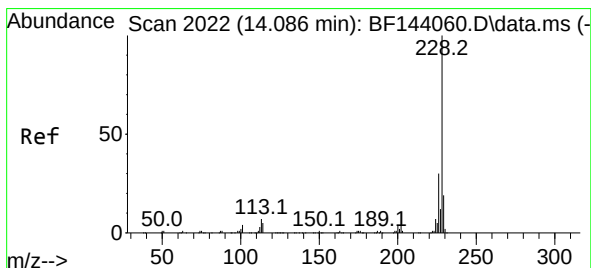
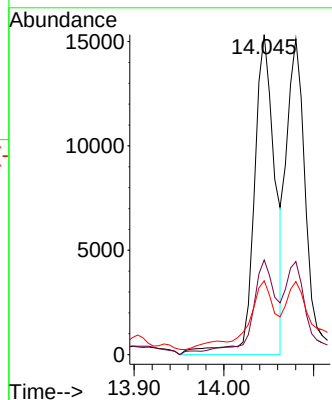
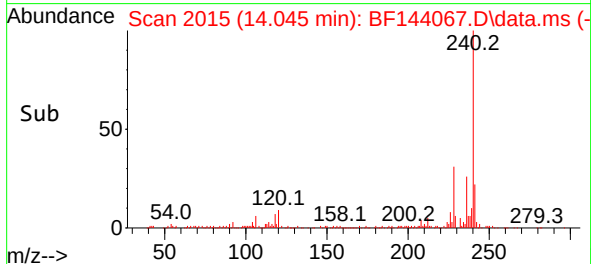
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



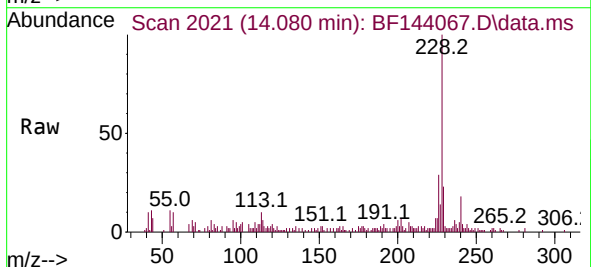
Tgt Ion:228 Resp: 24669
Ion Ratio Lower Upper
228 100
226 29.6 21.4 32.2
229 23.1 15.3 22.9

Manual Integrations
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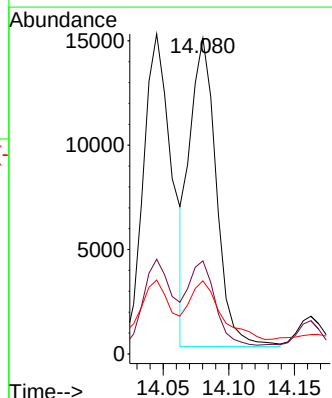
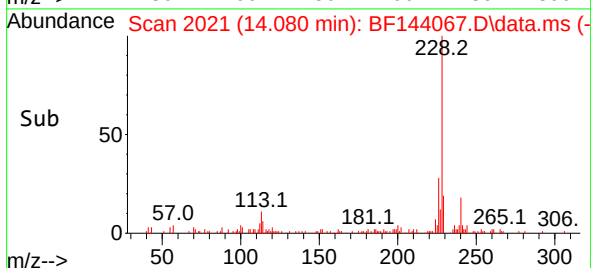
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

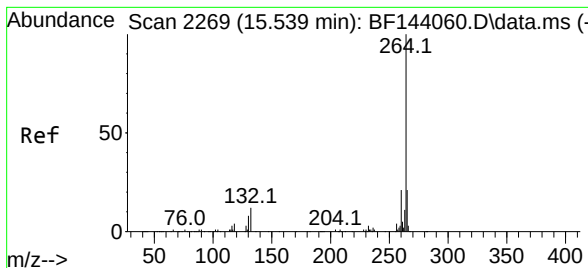


#83
Chrysene
Concen: 2.686 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20



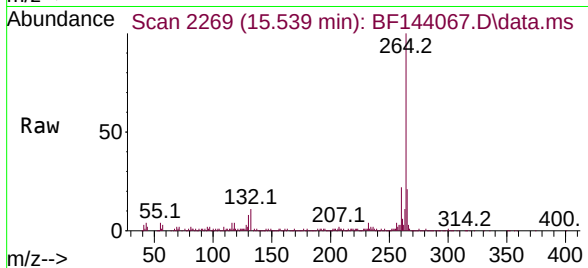
Tgt Ion:228 Resp: 20906
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 23.1 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

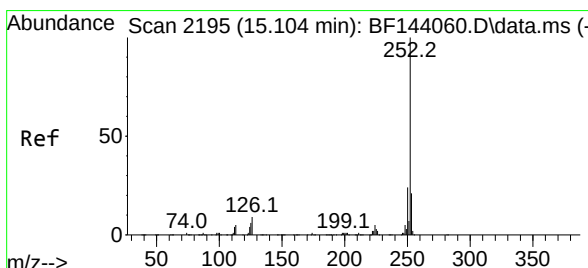
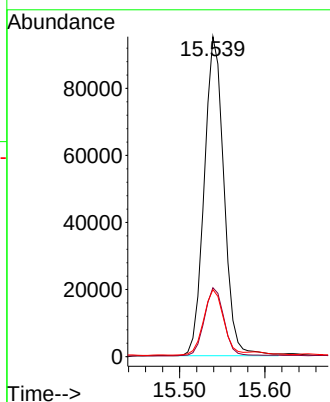
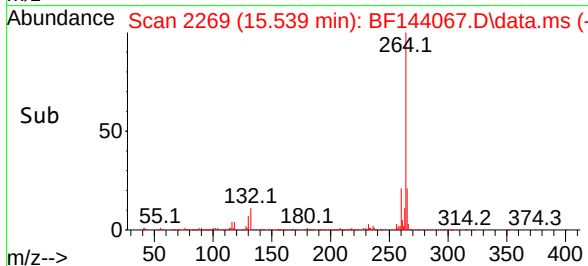
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



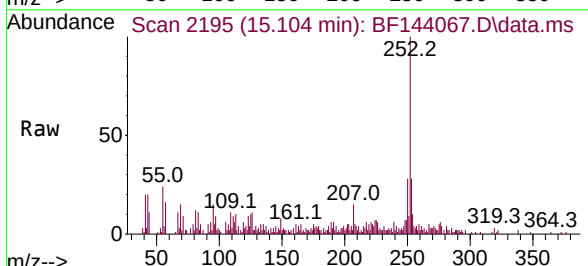
Tgt Ion:264 Resp: 152863
Ion Ratio Lower Upper
264 100
260 21.5 17.0 25.4
265 20.9 16.6 24.8

Manual Integrations
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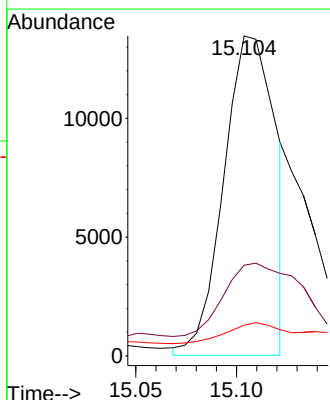
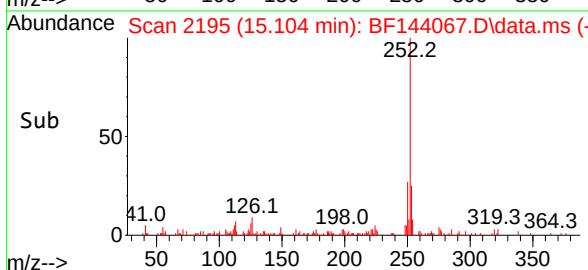
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

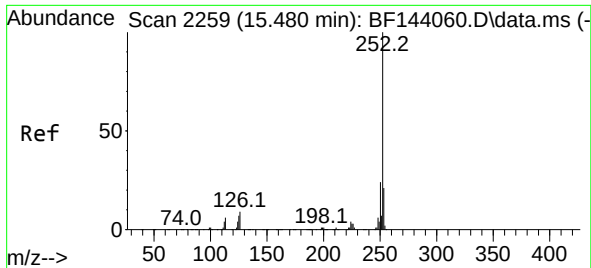


#88
Benzo(b)fluoranthene
Concen: 2.769 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20



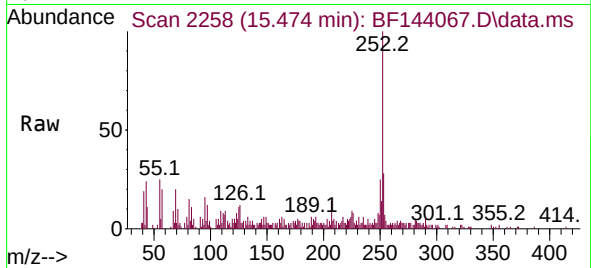
Tgt Ion:252 Resp: 23929
Ion Ratio Lower Upper
252 100
253 28.3 17.2 25.8#
125 9.6 5.0 7.6#





#90
Benzo(a)pyrene
Concen: 2.483 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Instrument :
BNA_F
ClientSampleId :
EO-02-10222025



Tgt Ion:252 Resp: 19254
Ion Ratio Lower Upper
252 100
253 27.9 17.1 25.7
125 11.0 5.4 8.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

