

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144085.D
 Acq On : 27 Oct 2025 16:03
 Operator : RC/JU
 Sample : Q3416-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025

Quant Time: Oct 27 16:32:58 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	59625	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	213573	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	113858	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	178831	20.000	ng	0.00
76) Chrysene-d12	14.057	240	158847	20.000	ng	0.00
86) Perylene-d12	15.545	264	190402	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	273970	72.696	ng	0.00
7) Phenol-d6	6.504	99	327128	78.596	ng	0.00
23) Nitrobenzene-d5	7.440	82	194995	50.021	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	98105	67.643	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	417278	51.573	ng	0.00
79) Terphenyl-d14	12.998	244	404837	44.555	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	21906	2.466	ng	96
75) Fluoranthene	12.627	202	57443	5.853	ng	99
78) Pyrene	12.857	202	51385	4.500	ng	100
81) Benzo(a)anthracene	14.045	228	33754	3.144	ng	94
83) Chrysene	14.080	228	31114m	3.089	ng	
88) Benzo(b)fluoranthene	15.110	252	43390m	4.031	ng	
90) Benzo(a)pyrene	15.474	252	30486	3.157	ng	# 88

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

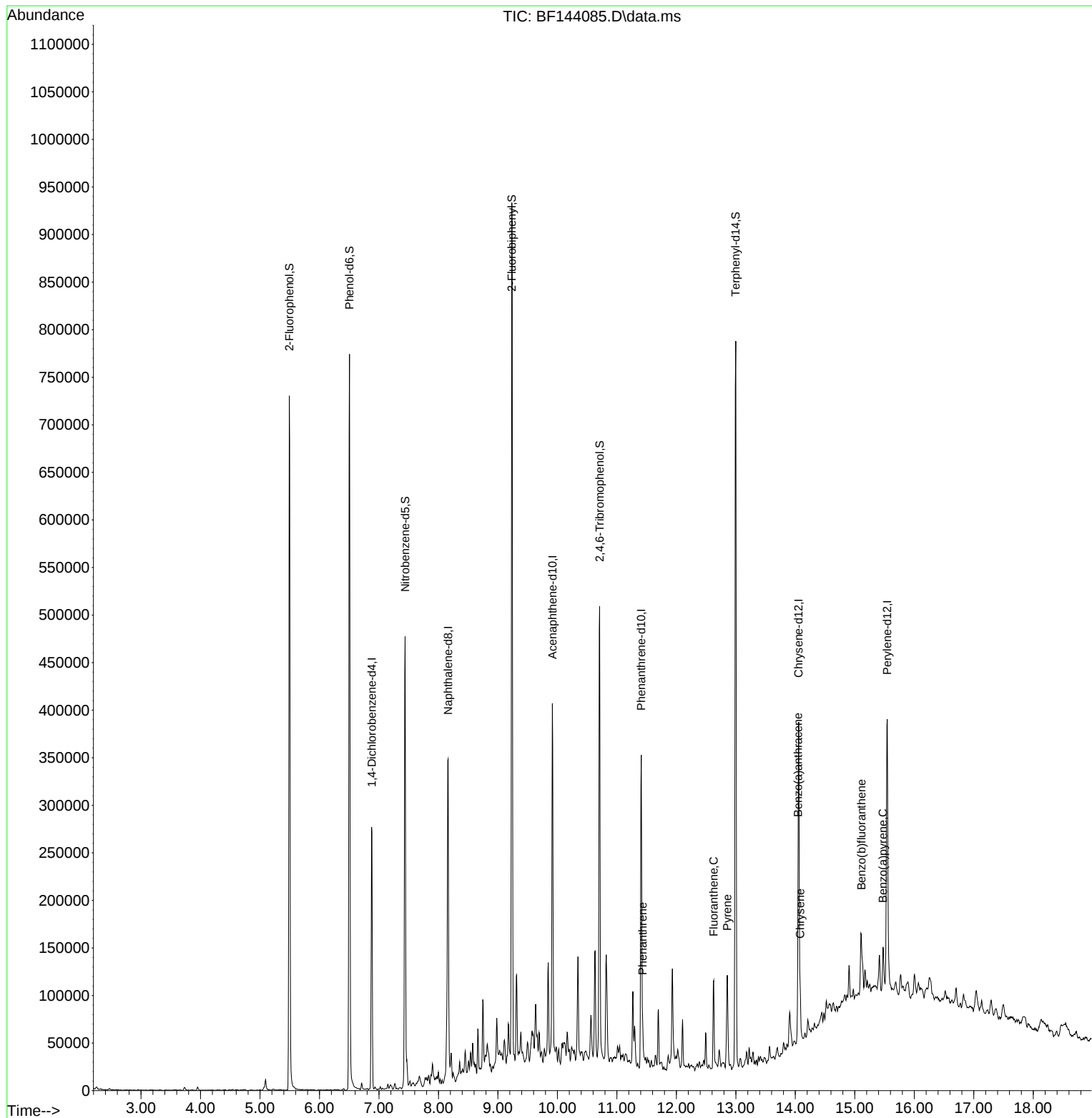
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144085.D
Acq On : 27 Oct 2025 16:03
Operator : RC/JU
Sample : Q3416-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

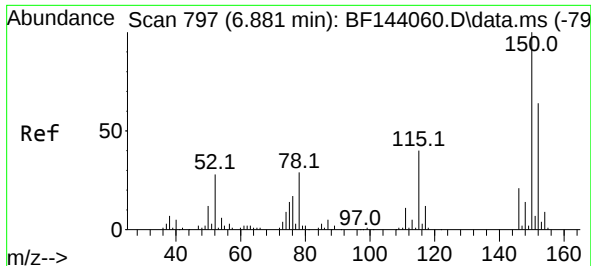
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Quant Time: Oct 27 16:32:58 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

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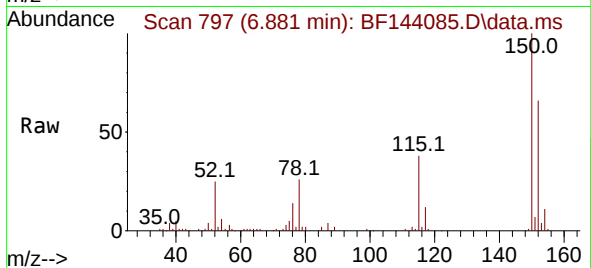
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

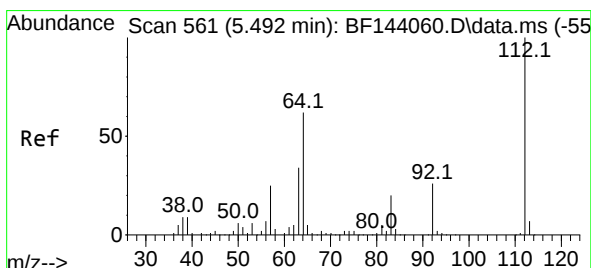
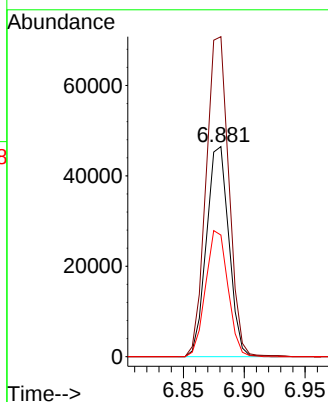
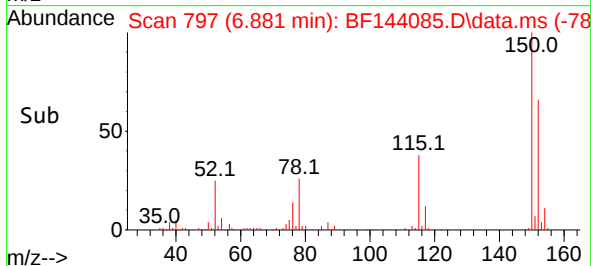
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



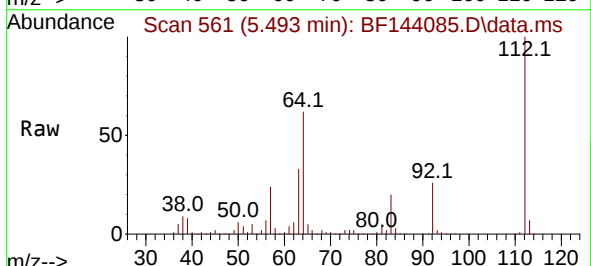
Tgt Ion:152 Resp: 59629
Ion Ratio Lower Upper
152 100
150 152.3 124.4 186.6
115 57.9 49.4 74.0

Manual Integrations
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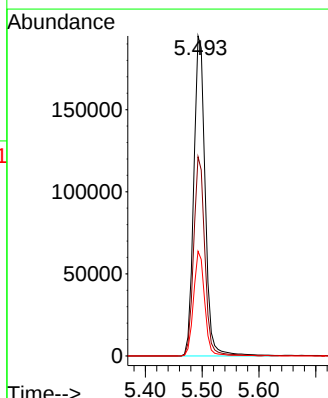
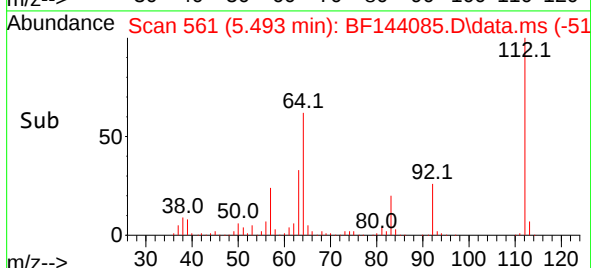
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#5
2-Fluorophenol
Concen: 72.696 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03



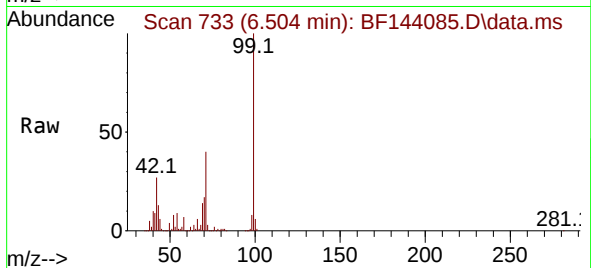
Tgt Ion:112 Resp: 273970
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.7 27.4 41.2





#7
Phenol-d6
Concen: 78.596 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

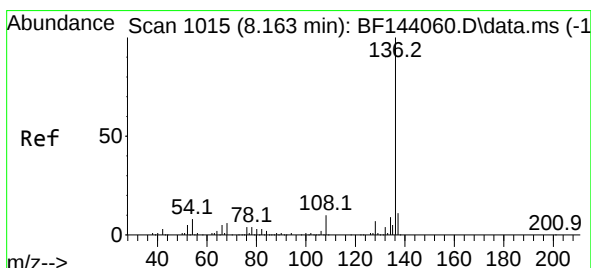
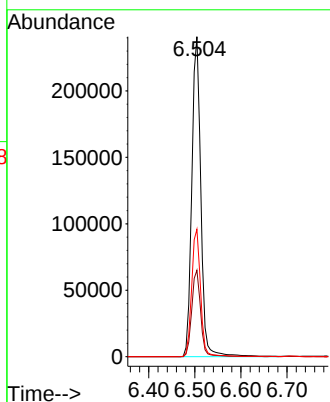
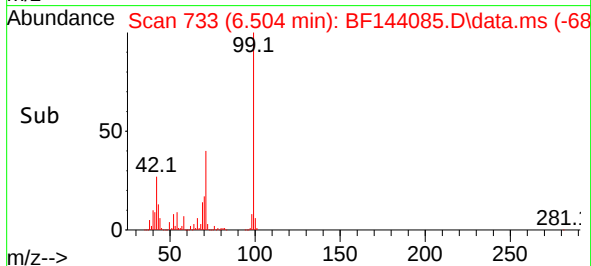
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BNA_F
ClientSampleId :
NB-08-10212025



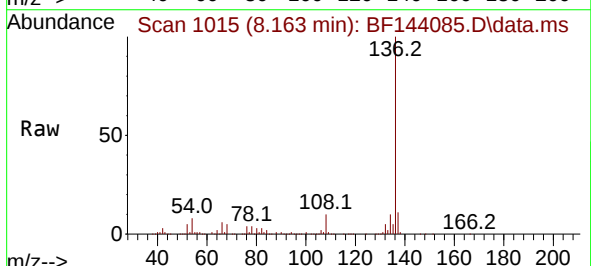
Tgt Ion: 99 Resp: 327128
Ion Ratio Lower Upper
99 100
42 27.0 23.9 35.9
71 39.8 34.4 51.6

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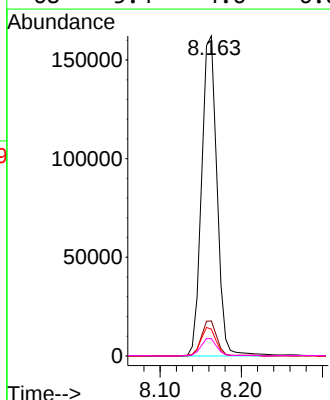
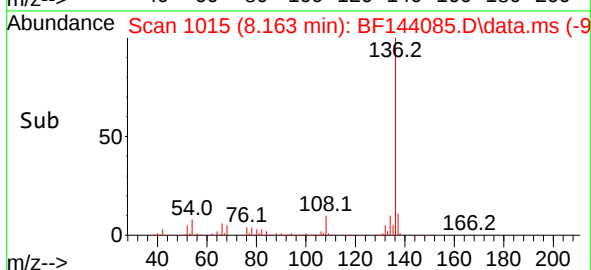
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

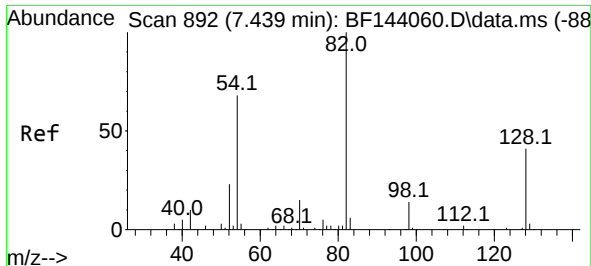


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03



Tgt Ion:136 Resp: 213573
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 9.8
68 5.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 50.021 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

Tgt Ion: 82 Resp: 19499

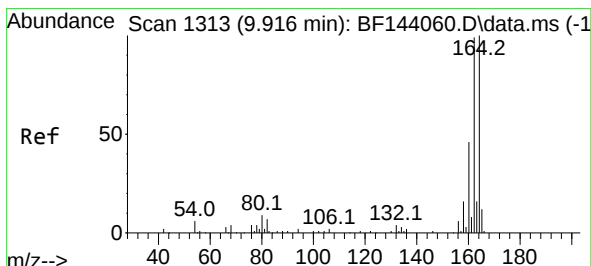
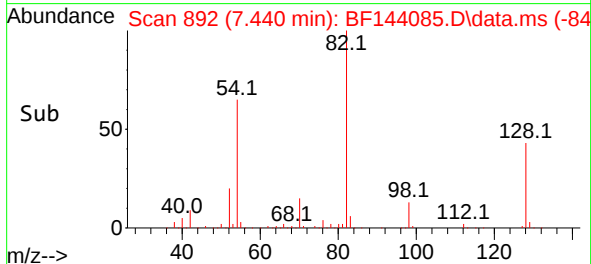
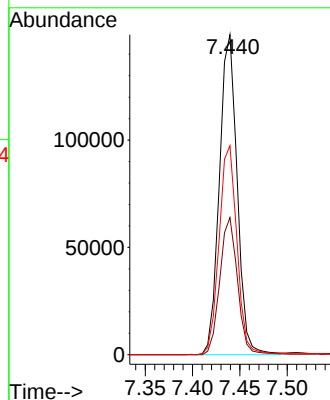
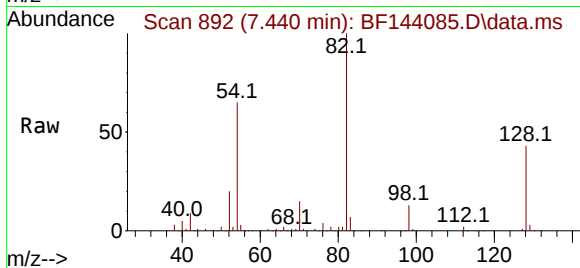
Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.4	48.6
54	65.3	54.0	81.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

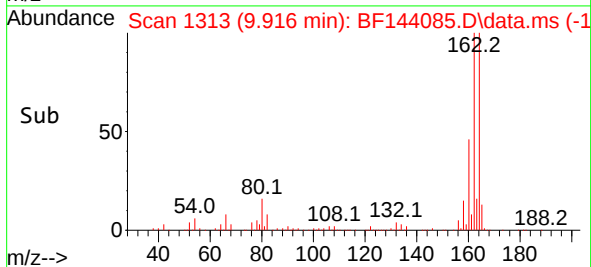
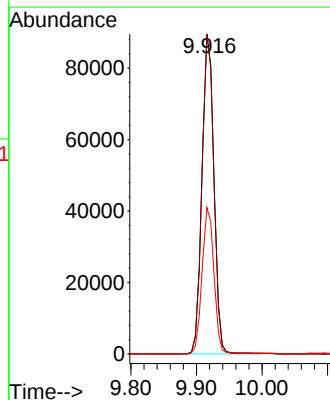
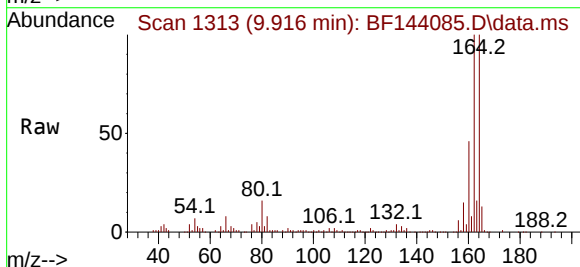
Delta R.T. 0.000 min

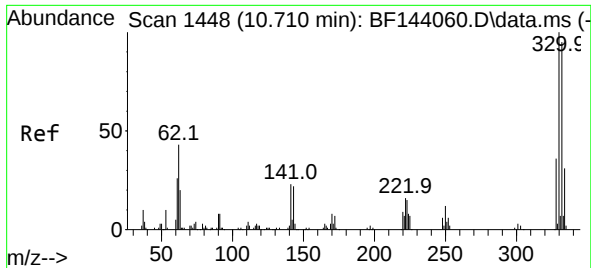
Lab File: BF144085.D

Acq: 27 Oct 2025 16:03

Tgt Ion:164 Resp: 113858

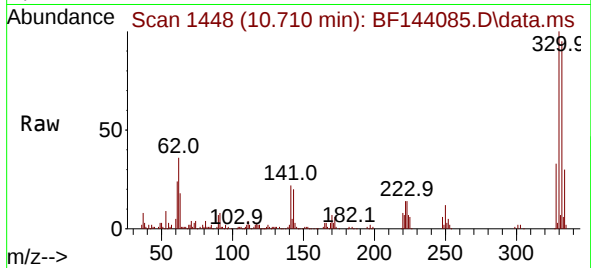
Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.4	119.2
160	45.7	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 67.643 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

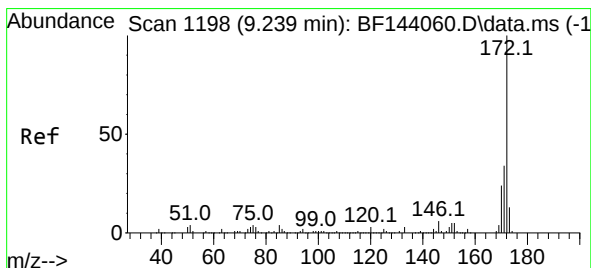
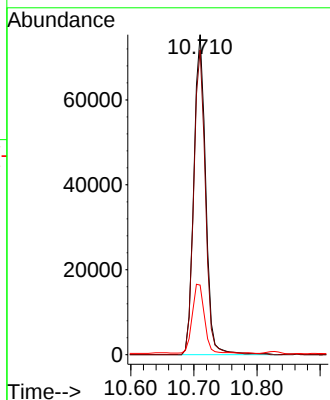
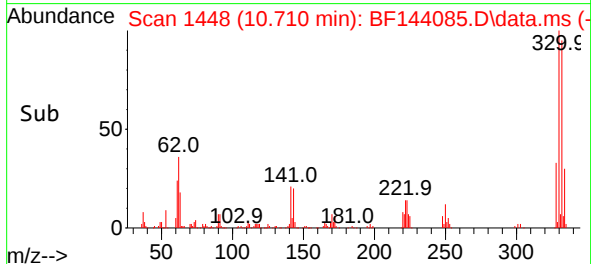
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



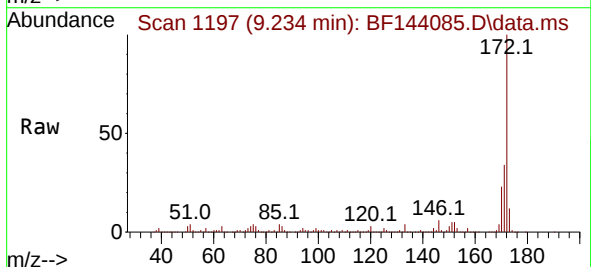
Tgt Ion:330 Resp: 9810
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 23.1 19.4 29.0

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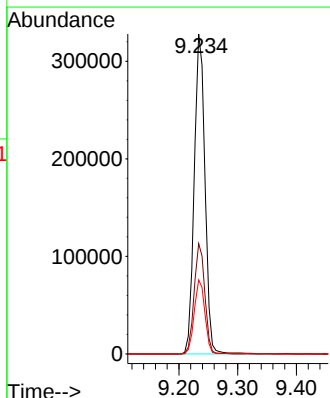
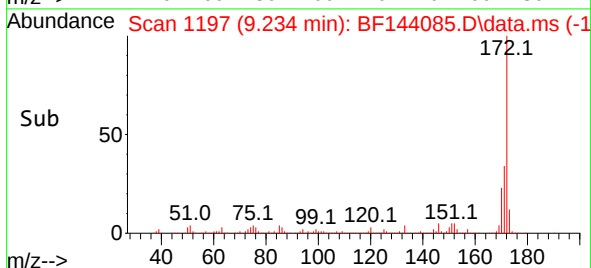
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

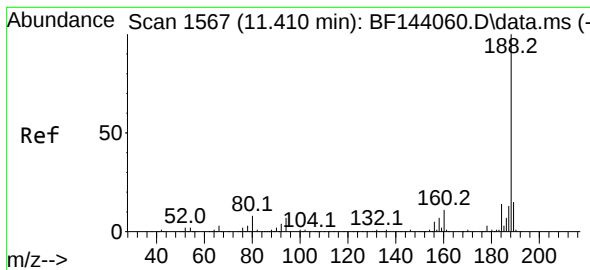


#45
2-Fluorobiphenyl
Concen: 51.573 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03



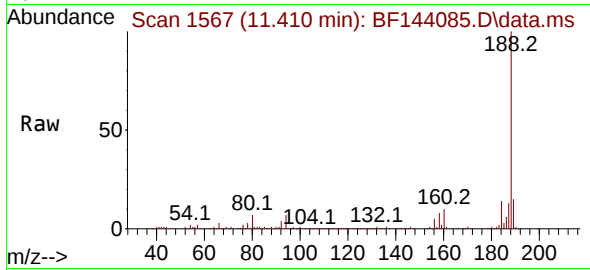
Tgt Ion:172 Resp: 417278
Ion Ratio Lower Upper
172 100
171 34.5 27.5 41.3
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

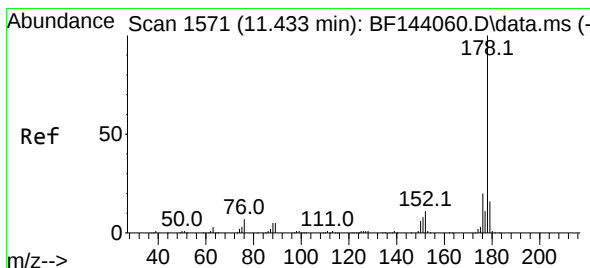
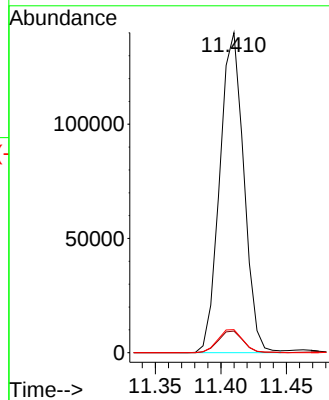
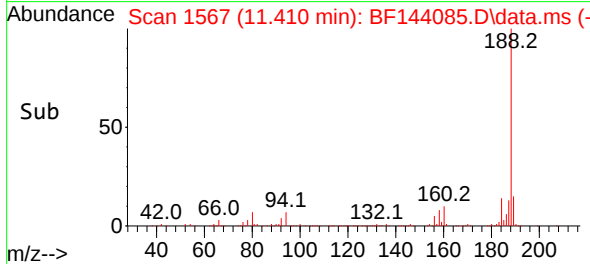
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



Tgt Ion:188 Resp: 17883
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 7.2 6.0 9.0

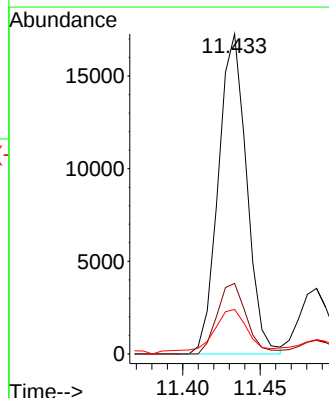
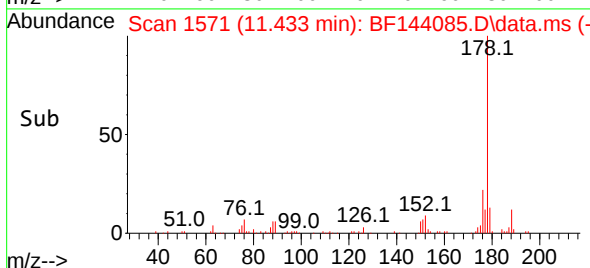
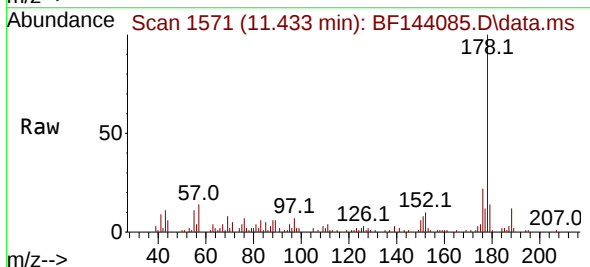
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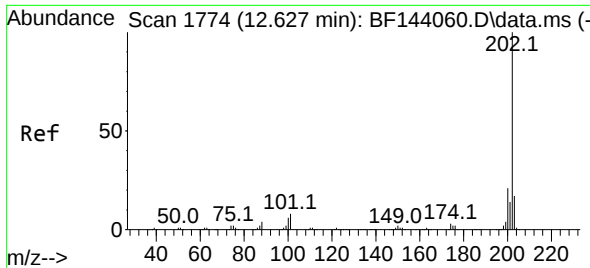
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#71
Phenanthrene
Concen: 2.466 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

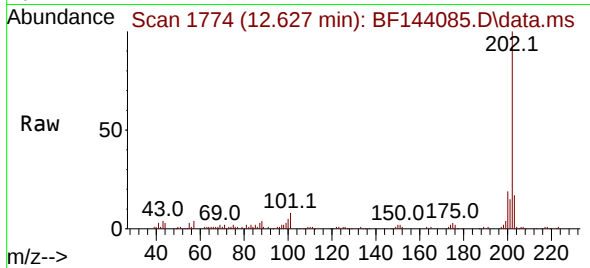
Tgt Ion:178 Resp: 21906
Ion Ratio Lower Upper
178 100
176 22.1 16.3 24.5
179 13.9 12.6 18.8





#75
Fluoranthene
Concen: 5.853 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

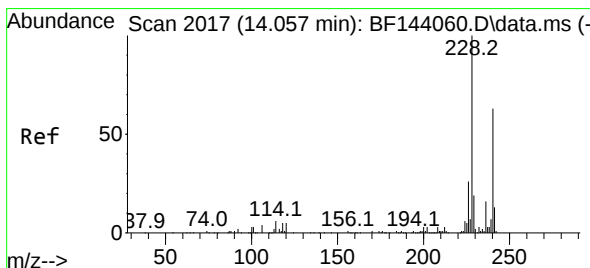
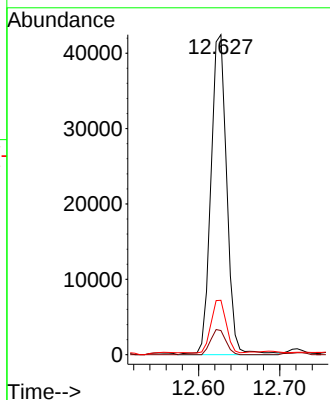
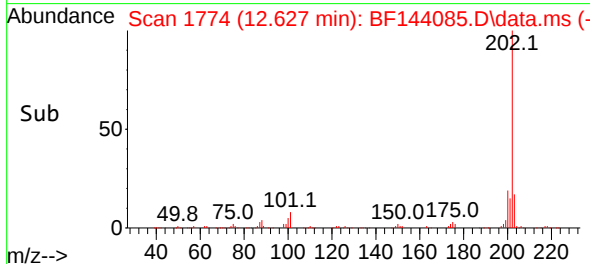
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



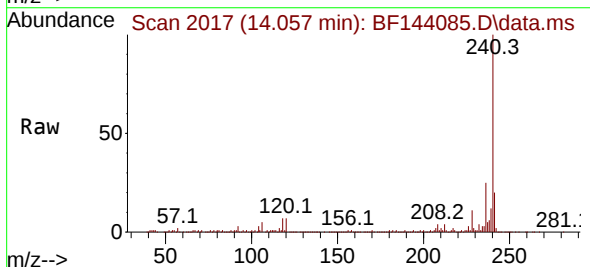
Tgt Ion:202 Resp: 5744
Ion Ratio Lower Upper
202 100
101 7.5 0.0 27.7
203 17.0 0.0 37.3

Manual Integrations
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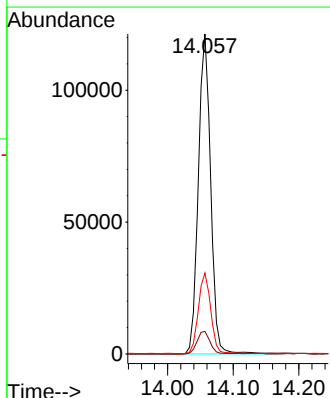
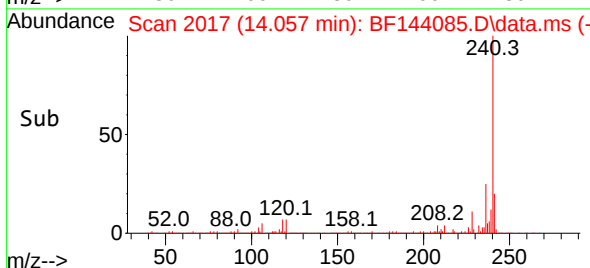
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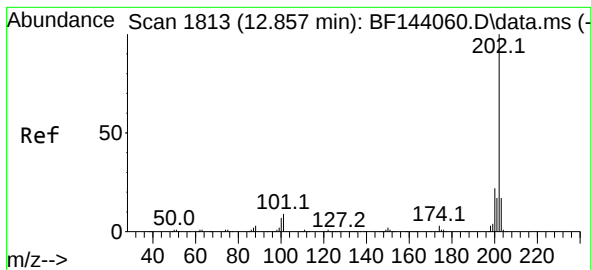


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03



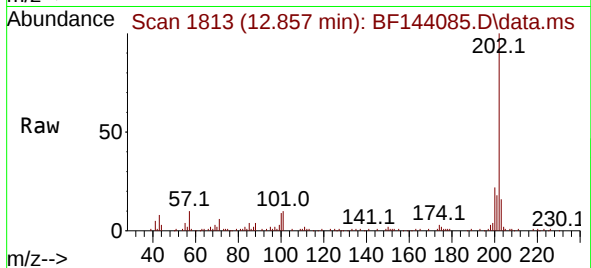
Tgt Ion:240 Resp: 158847
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 25.3 20.1 30.1





#78
Pyrene
Concen: 4.500 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

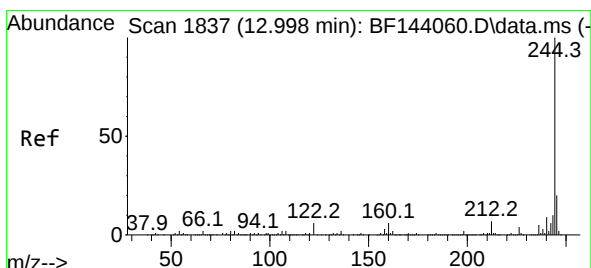
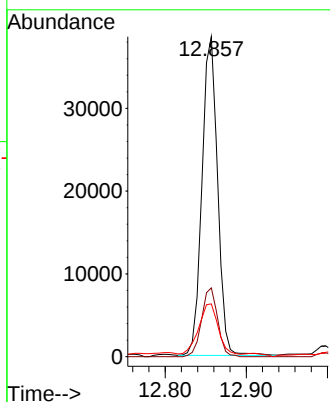
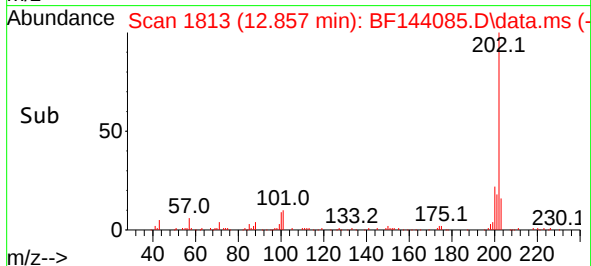
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



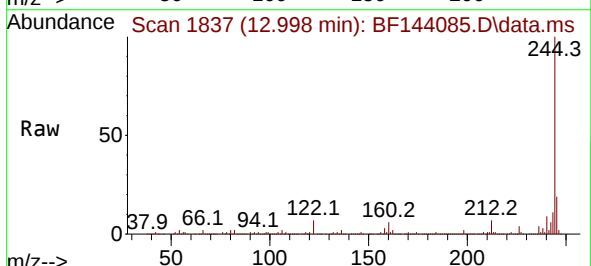
Tgt Ion:202 Resp: 5138
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 16.5 13.5 20.3

Manual Integrations
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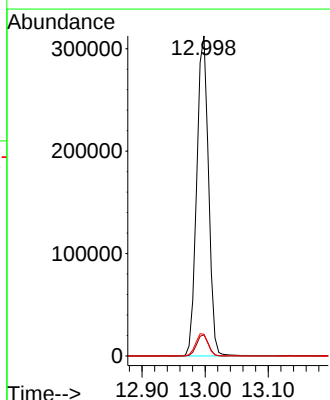
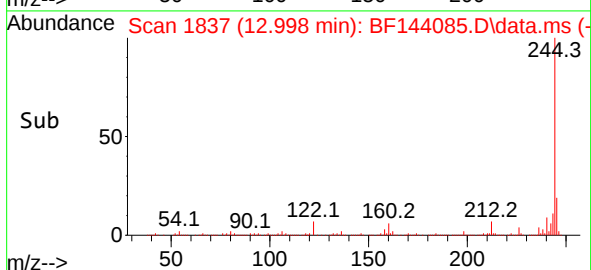
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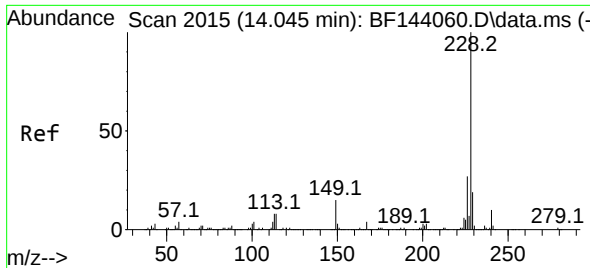


#79
Terphenyl-d14
Concen: 44.555 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03



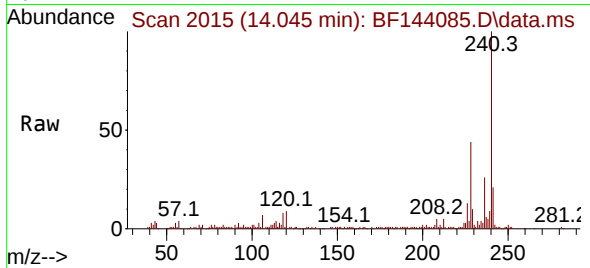
Tgt Ion:244 Resp: 404837
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 6.8 4.9 7.3





#81
Benzo(a)anthracene
Concen: 3.144 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

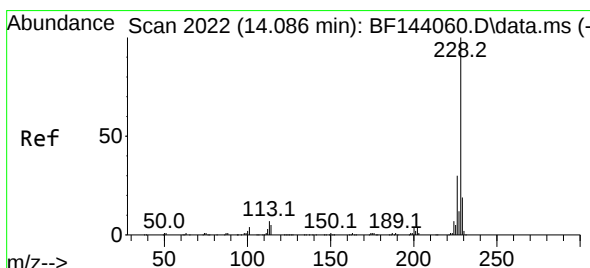
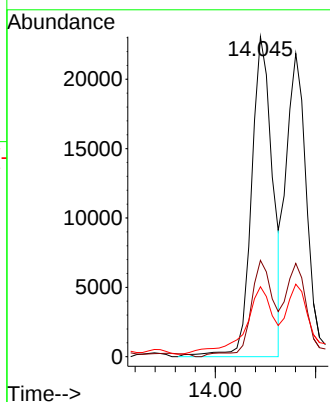
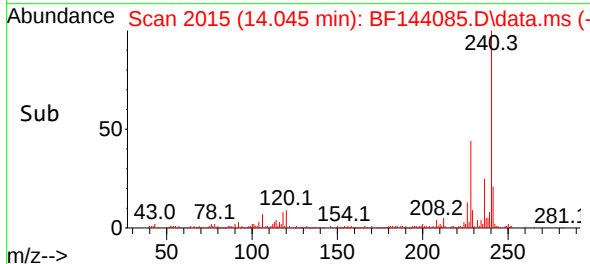
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



Tgt Ion:228 Resp: 33754
Ion Ratio Lower Upper
228 100
226 30.1 21.4 32.2
229 21.9 15.3 22.9

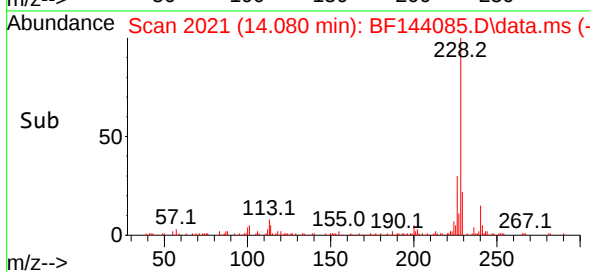
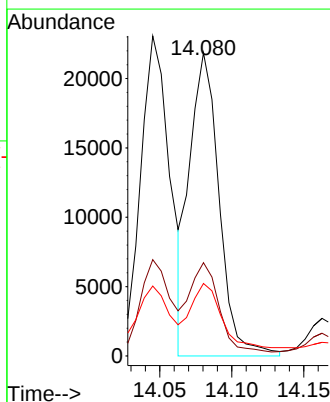
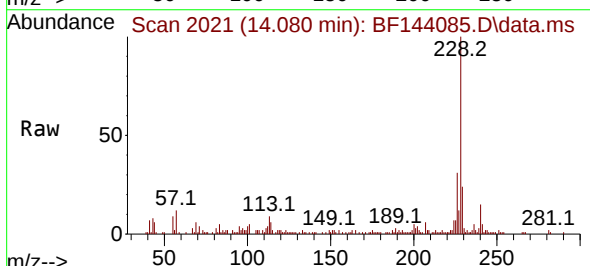
Manual Integrations
APPROVED

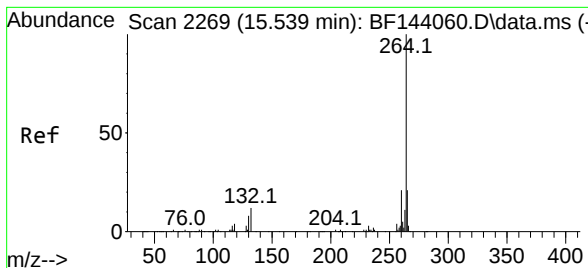
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#83
Chrysene
Concen: 3.089 ng m
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144085.D
Acq: 27 Oct 2025 16:03

Tgt Ion:228 Resp: 31114
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 23.9 15.6 23.4#





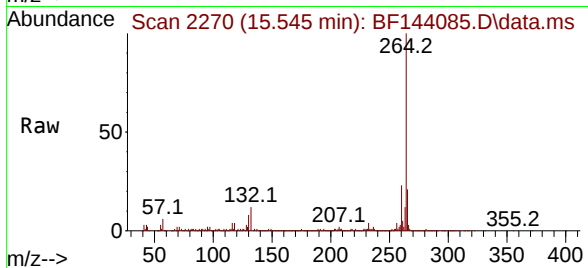
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2196
 Delta R.T. 0.006 min
 Lab File: BF144085.D
 Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

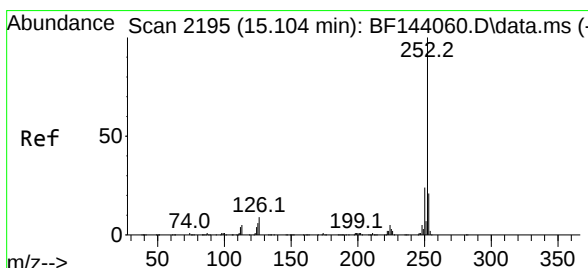
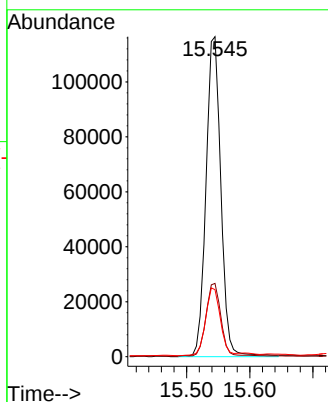
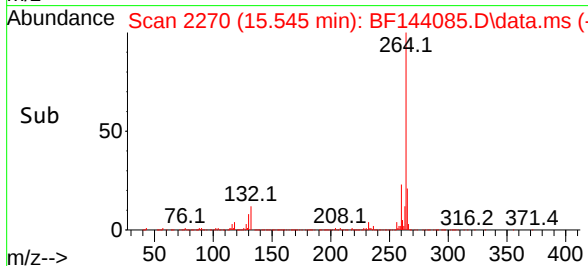


Tgt Ion:264 Resp: 19040
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.0 25.4
 265 21.0 16.6 24.8

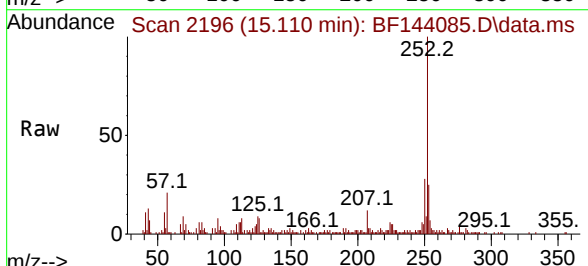
Manual Integrations

APPROVED

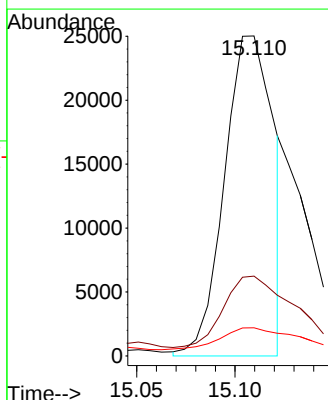
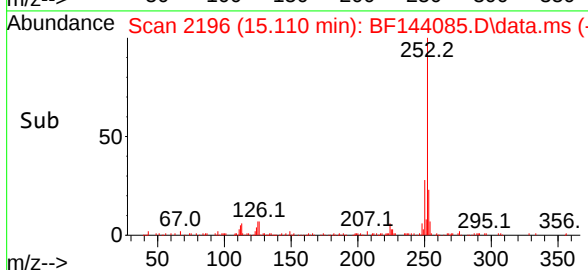
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025

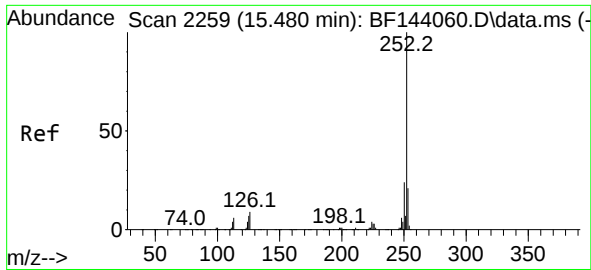


#88
 Benzo(b)fluoranthene
 Concen: 4.031 ng m
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.006 min
 Lab File: BF144085.D
 Acq: 27 Oct 2025 16:03



Tgt Ion:252 Resp: 43390
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.2 25.8
 125 8.8 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 3.157 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144085.D

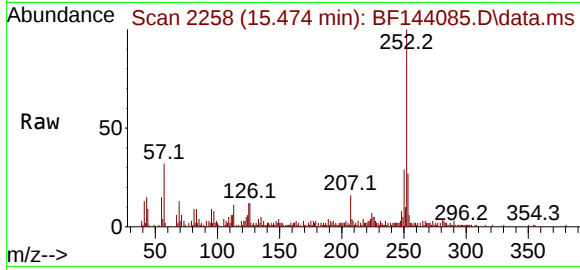
Acq: 27 Oct 2025 16:03

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025



Tgt Ion:252 Resp: 30480

Ion Ratio Lower Upper

252 100

253 26.9 17.1 25.7

125 11.8 5.4 8.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 10/30/2025

