

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144047.D
 Acq On : 22 Oct 2025 17:46
 Operator : RC/JU
 Sample : Q3416-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-10212025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/23/2025
 Supervised By :Jagrut Upadhyay 10/23/2025

Quant Time: Oct 22 18:06:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	59442	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	214651	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	107456	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	183400	20.000	ng	0.00
76) Chrysene-d12	14.057	240	183485	20.000	ng	-0.01
86) Perylene-d12	15.545	264	199083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	293220	78.333	ng	0.00
7) Phenol-d6	6.504	99	323806	72.574	ng	-0.01
23) Nitrobenzene-d5	7.439	82	192865	54.589	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	87563	81.813	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	393756	58.144	ng	-0.01
79) Terphenyl-d14	12.998	244	472382	44.000	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	23845	2.682	ng	99
75) Fluoranthene	12.627	202	66017	7.188	ng	98
78) Pyrene	12.857	202	66353m	4.338	ng	
81) Benzo(a)anthracene	14.051	228	41530	3.459	ng	96
83) Chrysene	14.086	228	35951	3.235	ng	98
88) Benzo(b)fluoranthene	15.110	252	51296m	4.486	ng	
90) Benzo(a)pyrene	15.480	252	32081	3.235	ng	# 92

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

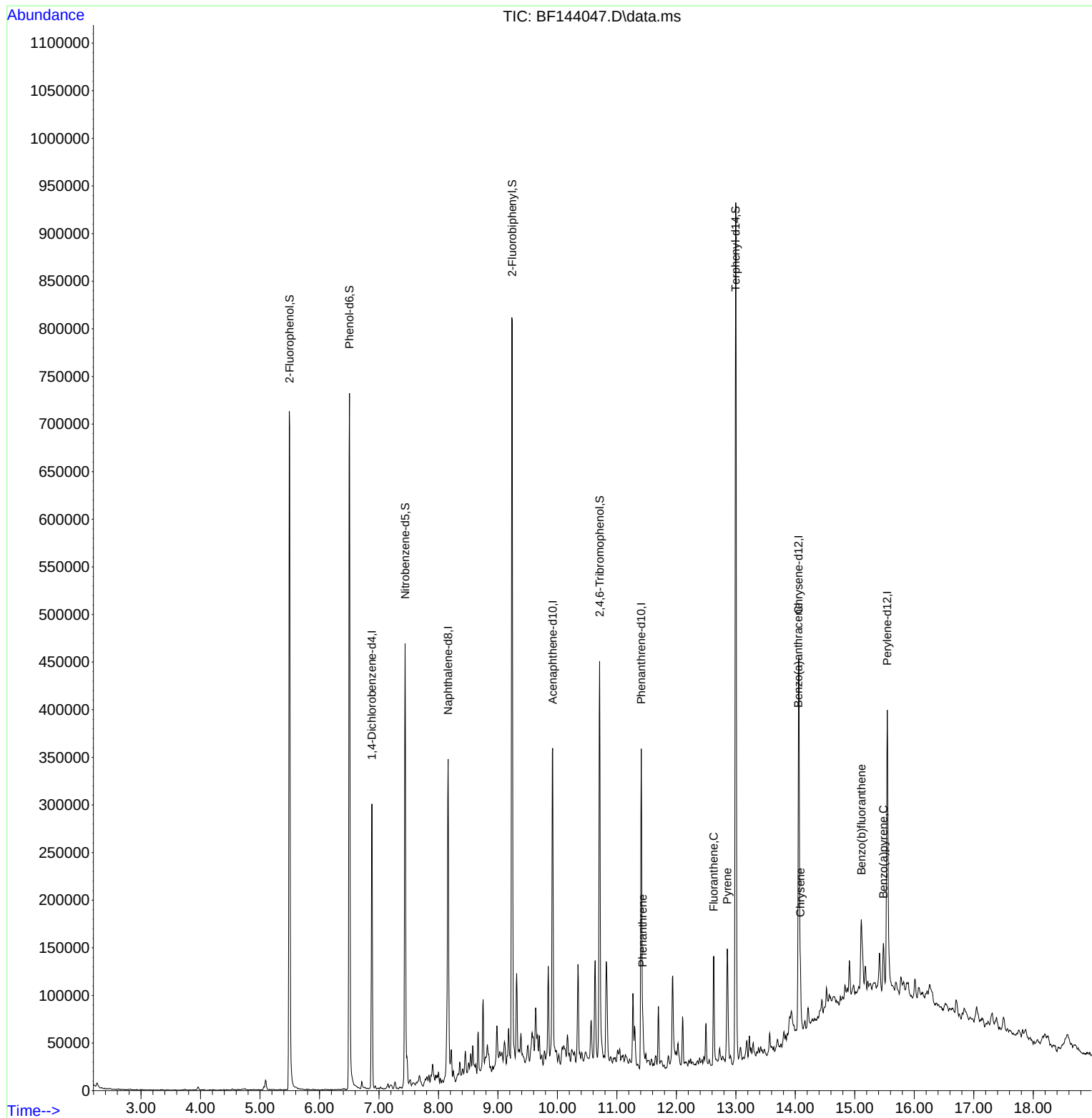
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144047.D
Acq On : 22 Oct 2025 17:46
Operator : RC/JU
Sample : Q3416-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

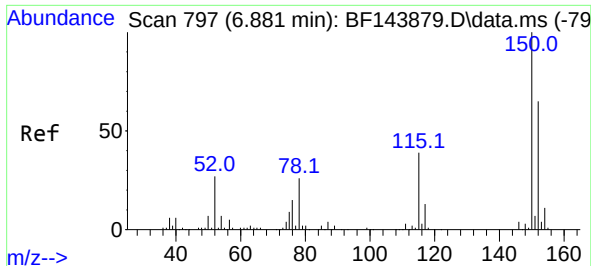
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

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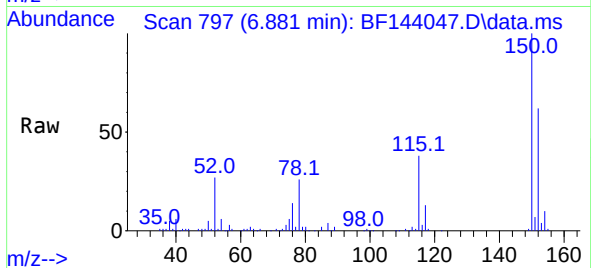
Quant Time: Oct 22 18:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

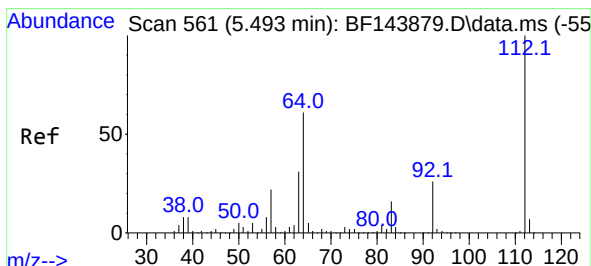
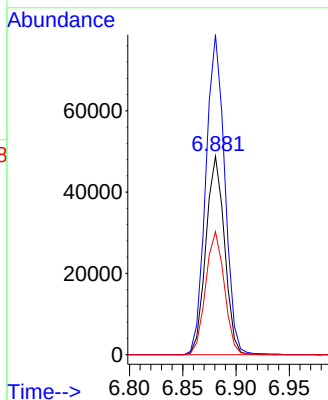
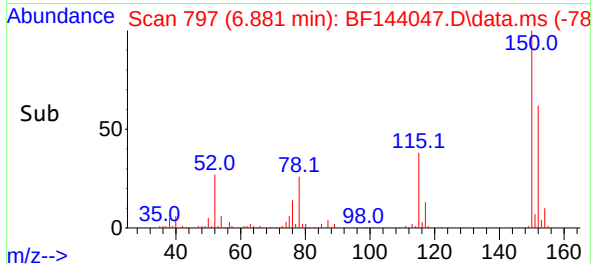
Instrument :
BNA_F
ClientSampleId :
NB-08-10212025



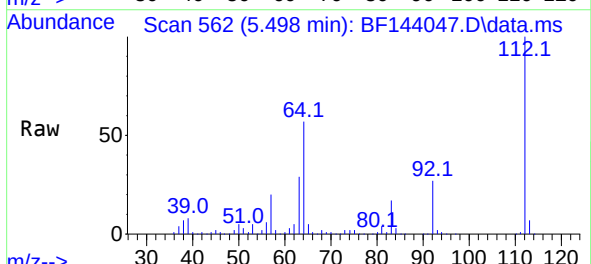
Tgt Ion:152 Resp: 5944
Ion Ratio Lower Upper
152 100
150 161.3 124.4 186.6
115 62.1 48.1 72.1

Manual Integrations
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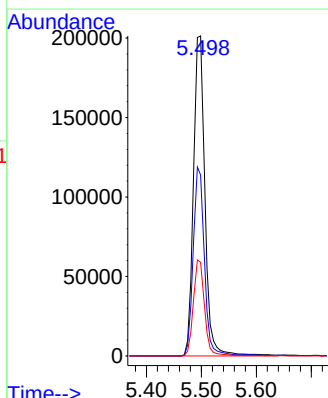
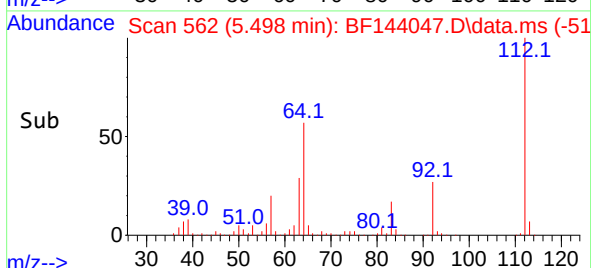
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

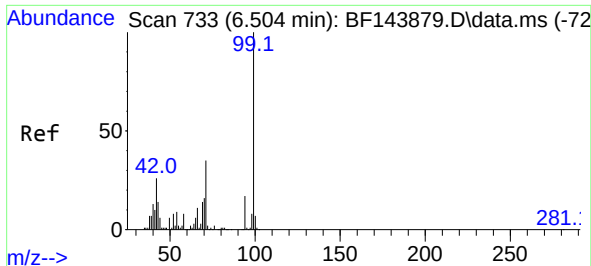


#5
2-Fluorophenol
Concen: 78.333 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46



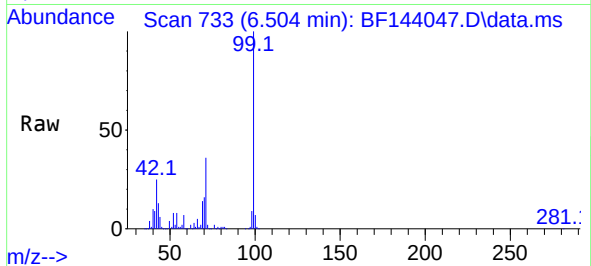
Tgt Ion:112 Resp: 293220
Ion Ratio Lower Upper
112 100
64 56.6 49.1 73.7
63 29.2 24.5 36.7





#7
Phenol-d6
Concen: 72.574 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

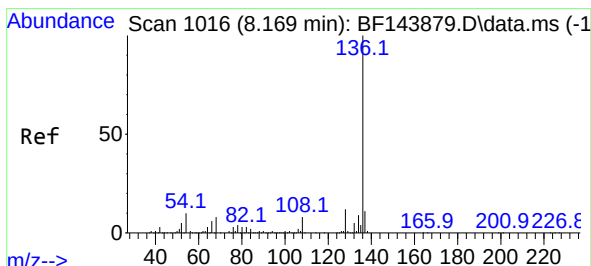
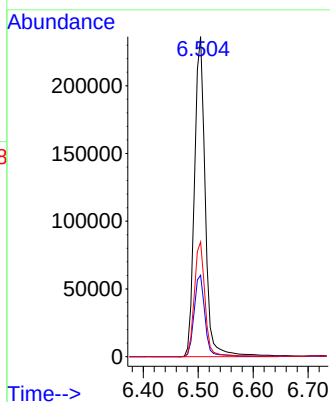
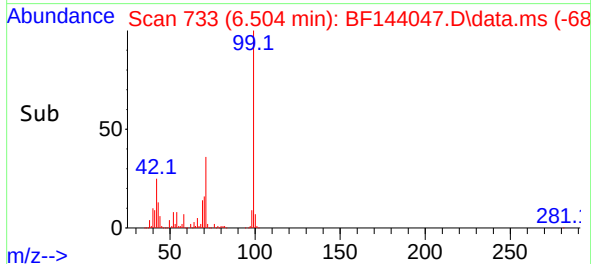
Instrument :
BNA_F
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NB-08-10212025



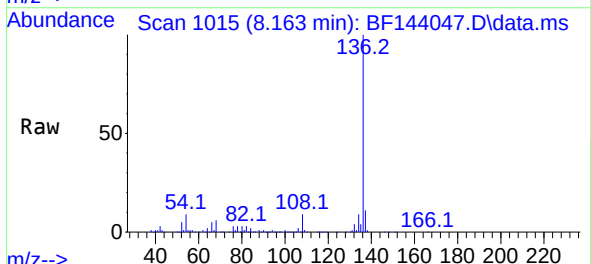
Tgt Ion: 99 Resp: 323800
Ion Ratio Lower Upper
99 100
42 25.5 21.0 31.4
71 35.8 27.8 41.8

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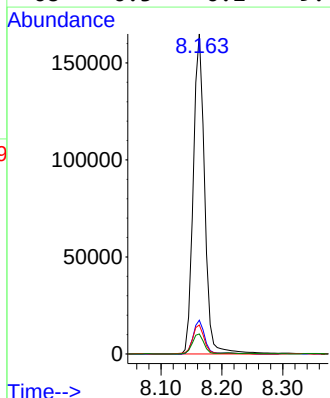
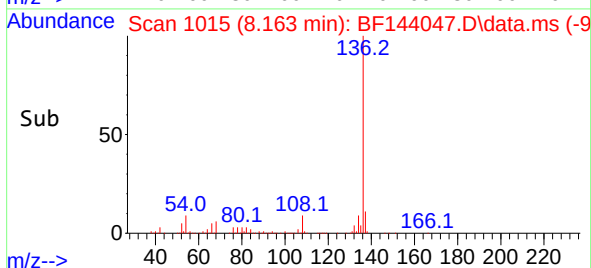
Reviewed By :Rahul Chavli 10/23/2025
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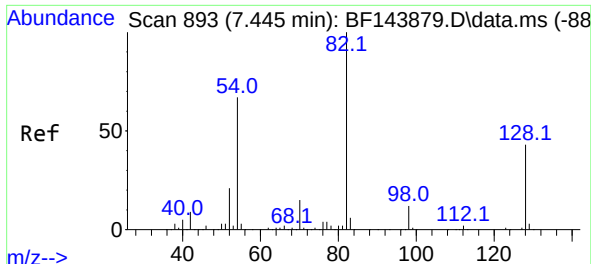


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46



Tgt Ion:136 Resp: 214651
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 9.1 8.2 12.4
68 6.3 6.2 9.4





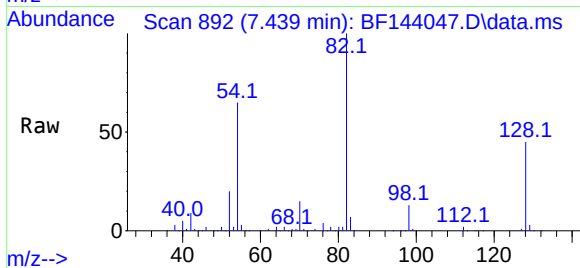
#23
Nitrobenzene-d5
Concen: 54.589 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025

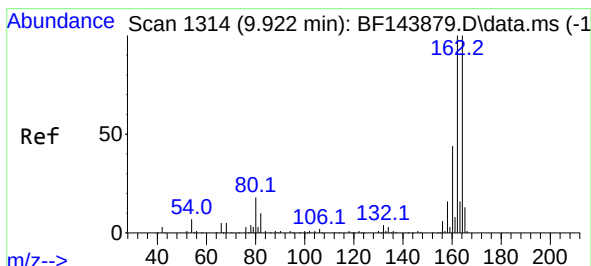
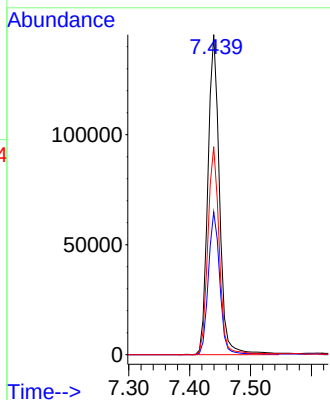
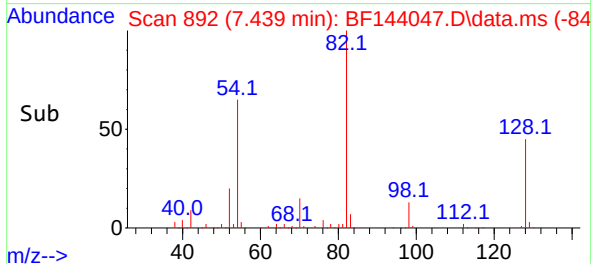


Tgt Ion: 82 Resp: 19286
Ion Ratio Lower Upper
82 100
128 44.6 34.0 51.0
54 65.0 53.2 79.8

Manual Integrations

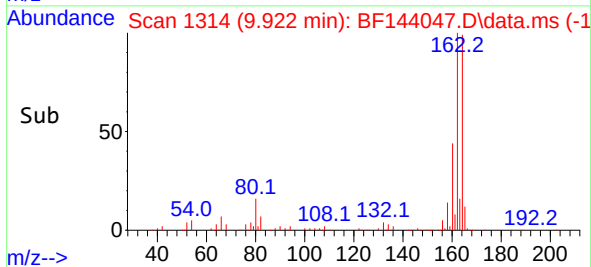
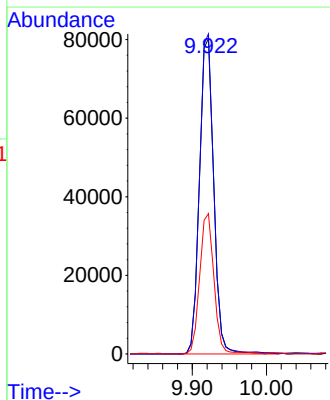
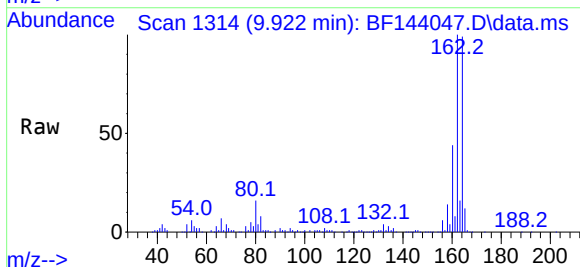
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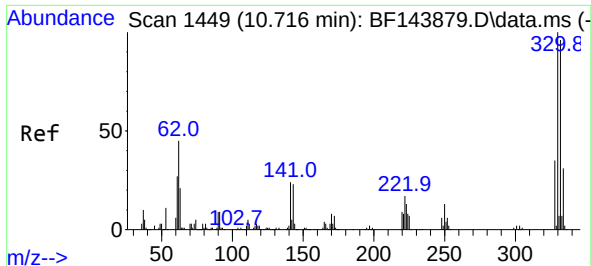
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion:164 Resp: 107456
Ion Ratio Lower Upper
164 100
162 101.5 80.2 120.2
160 44.5 35.4 53.0





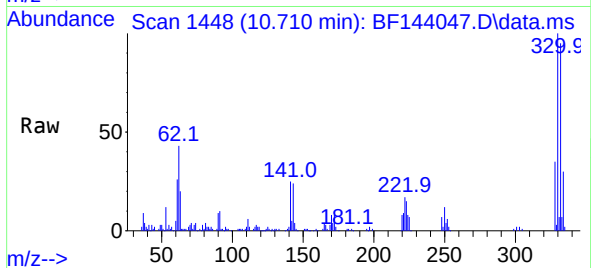
#42
2,4,6-Tribromophenol
Concen: 81.813 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :

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NB-08-10212025



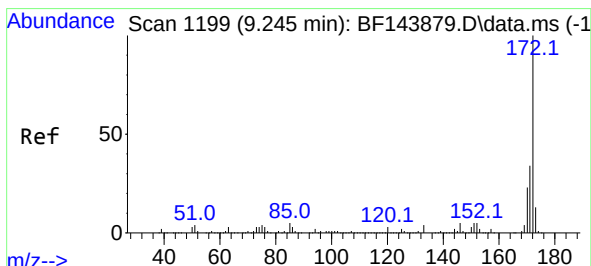
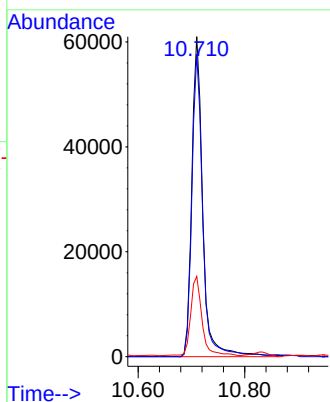
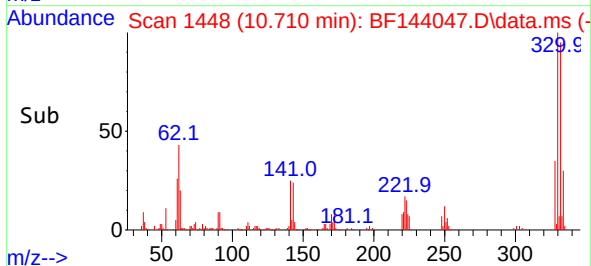
Tgt Ion:330 Resp: 8756
Ion Ratio Lower Upper
330 100
332 93.2 76.9 115.3
141 25.3 20.2 30.4

Manual Integrations

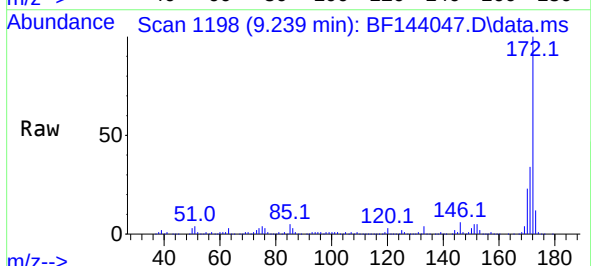
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Reviewed By :Rahul Chavli 10/23/2025

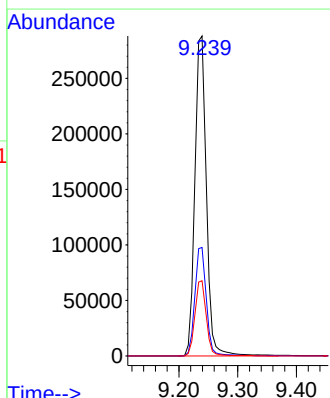
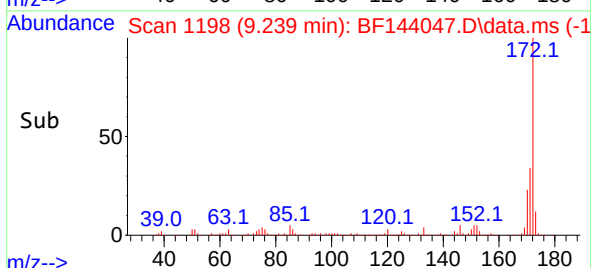
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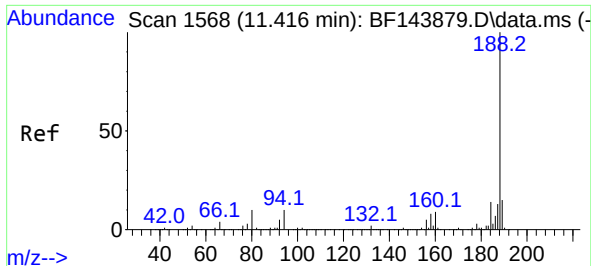


#45
2-Fluorobiphenyl
Concen: 58.144 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46



Tgt Ion:172 Resp: 393756
Ion Ratio Lower Upper
172 100
171 33.9 27.4 41.0
170 23.5 18.6 28.0





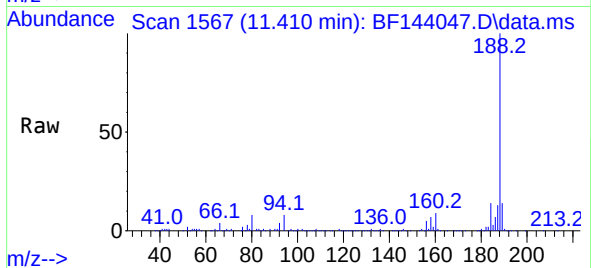
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025



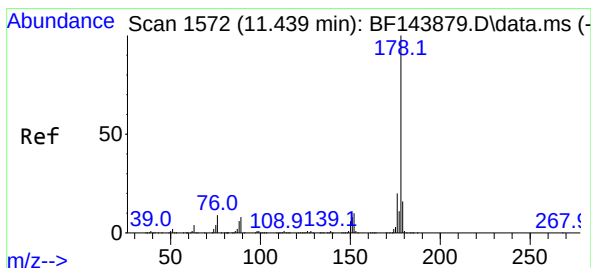
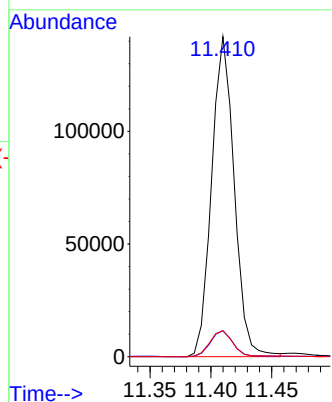
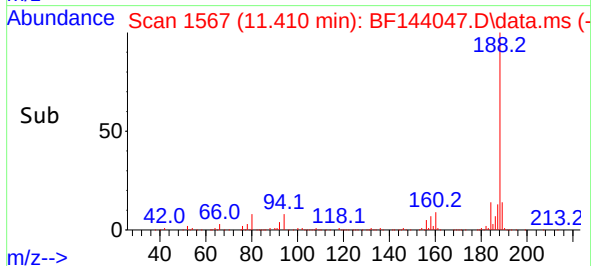
Tgt Ion:188 Resp: 183400
Ion Ratio Lower Upper
188 100
94 8.1 7.8 11.6
80 8.1 7.9 11.9

Manual Integrations

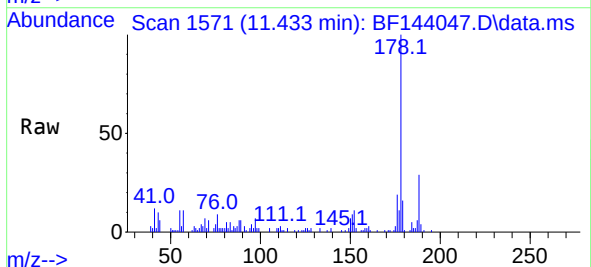
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Reviewed By :Rahul Chavli 10/23/2025

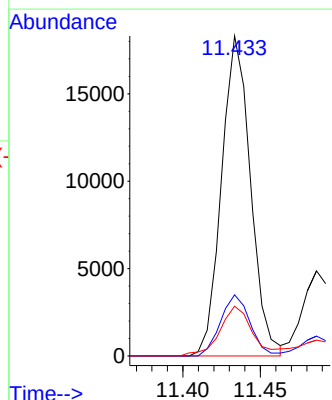
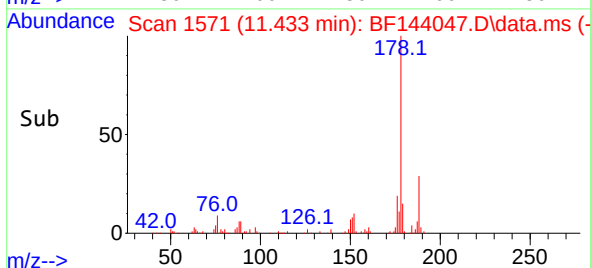
Supervised By :Jagrut Upadhyay 10/23/2025

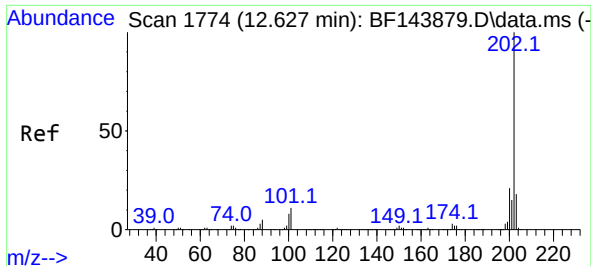


#71
Phenanthrene
Concen: 2.682 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46



Tgt Ion:178 Resp: 23845
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.6 12.4 18.6





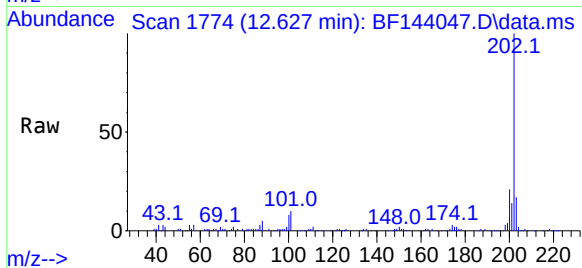
#75
Fluoranthene
Concen: 7.188 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025



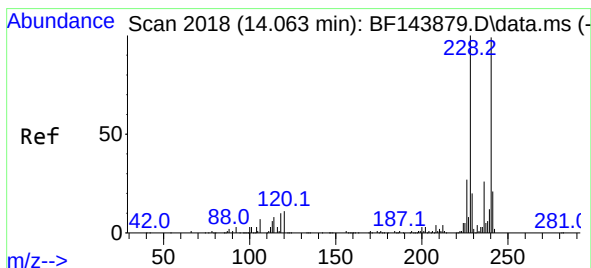
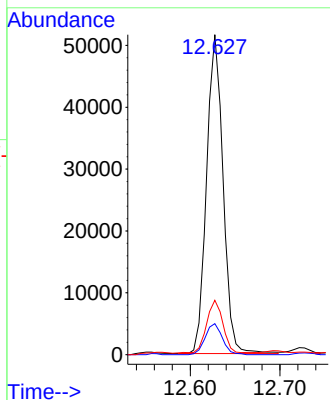
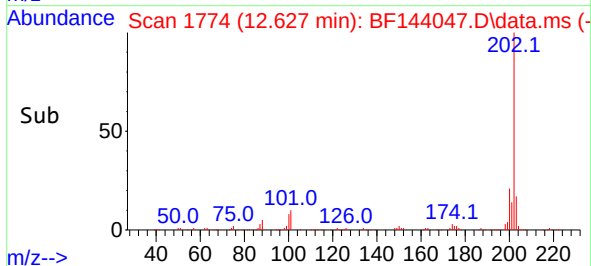
Tgt Ion:202 Resp: 6601
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.7
203 17.0 0.0 37.8

Manual Integrations

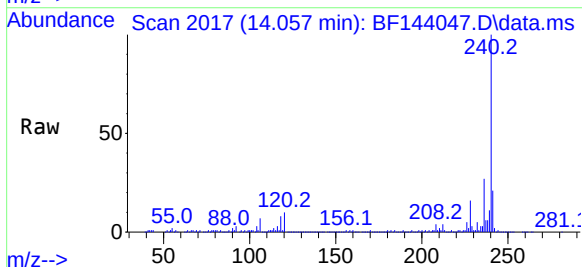
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Reviewed By :Rahul Chavli 10/23/2025

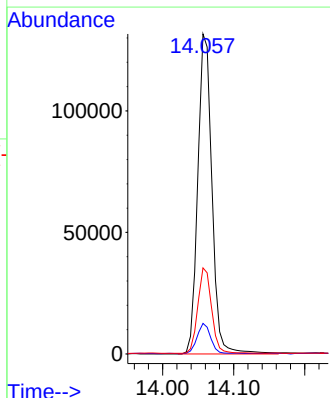
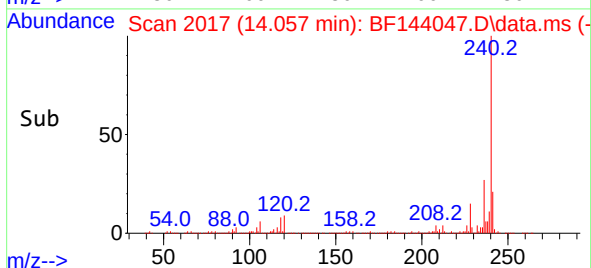
Supervised By :Jagrut Upadhyay 10/23/2025

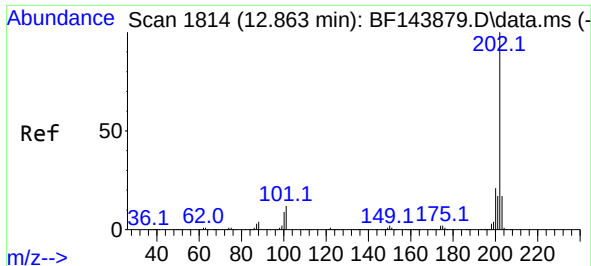


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46



Tgt Ion:240 Resp: 183485
Ion Ratio Lower Upper
240 100
120 9.6 8.6 13.0
236 26.9 21.1 31.7





#78
Pyrene
Concen: 4.338 ng m
RT: 12.857 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

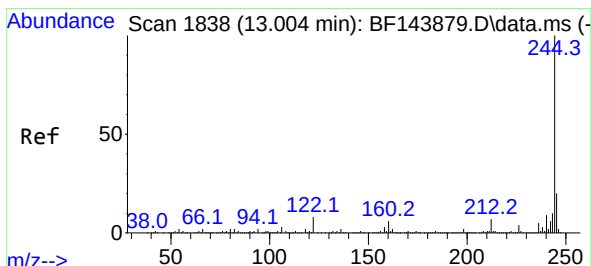
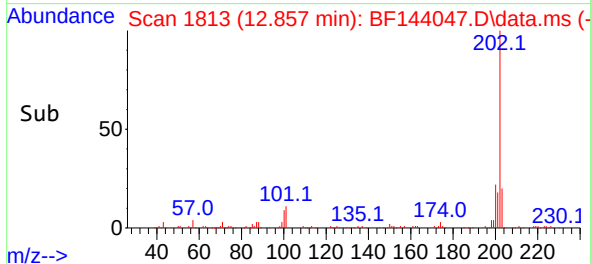
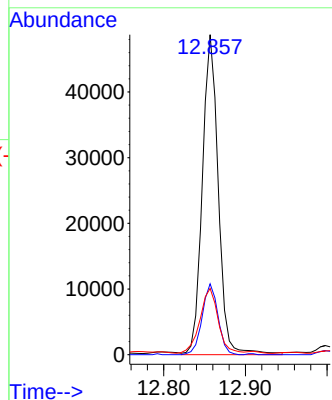
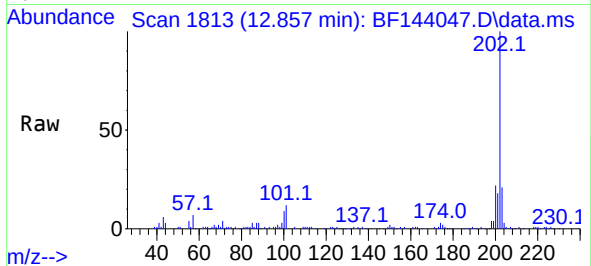
NB-08-10212025

Tgt Ion:202 Resp: 6635
Ion Ratio Lower Upper
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200 22.2 17.0 25.6
203 20.7 13.8 20.6

Manual Integrations

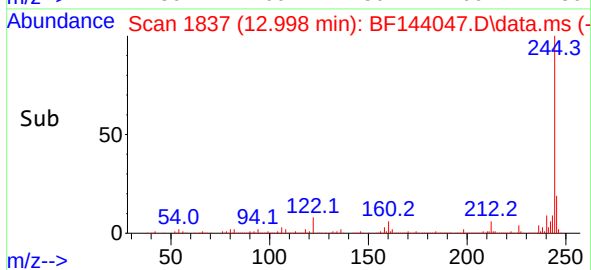
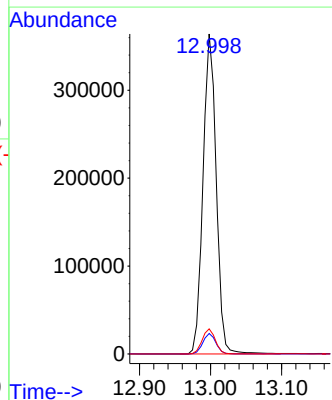
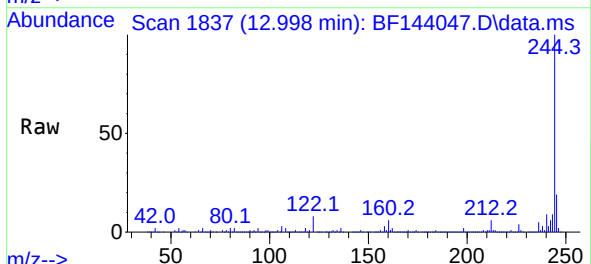
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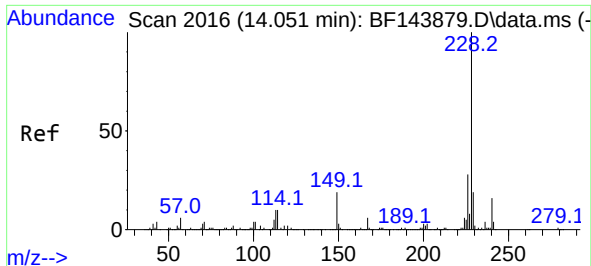
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#79
Terphenyl-d14
Concen: 44.000 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion:244 Resp: 472382
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 7.9 6.4 9.6





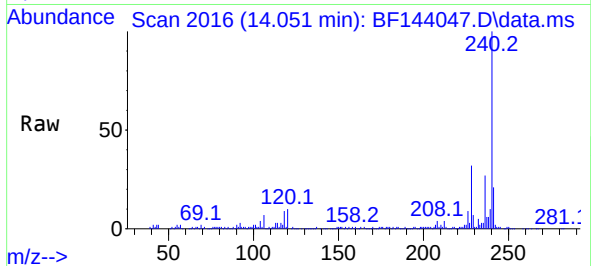
#81
Benzo(a)anthracene
Concen: 3.459 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :

BNA_F

ClientSampleId :

NB-08-10212025



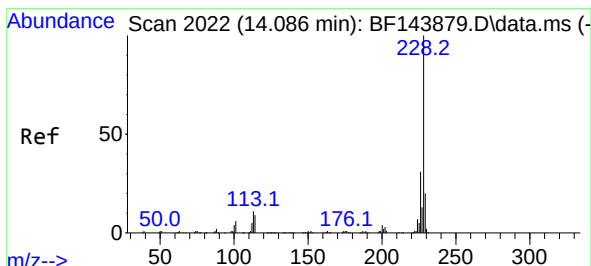
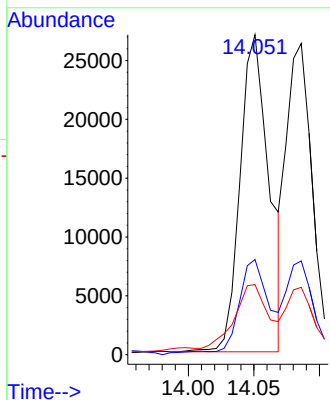
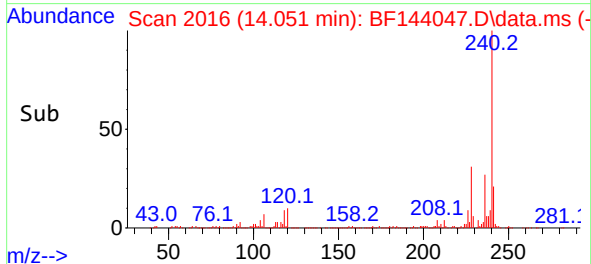
Tgt Ion:228 Resp: 41530
Ion Ratio Lower Upper
228 100
226 29.7 22.2 33.2
229 21.9 15.6 23.4

Manual Integrations

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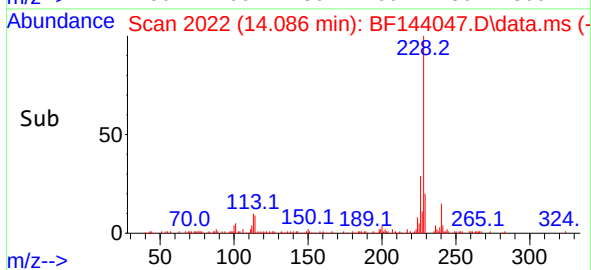
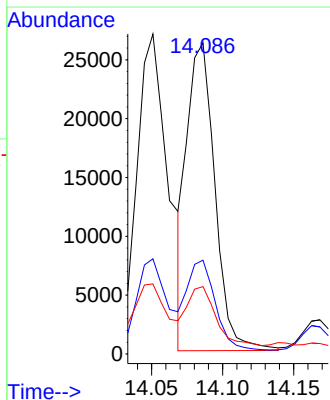
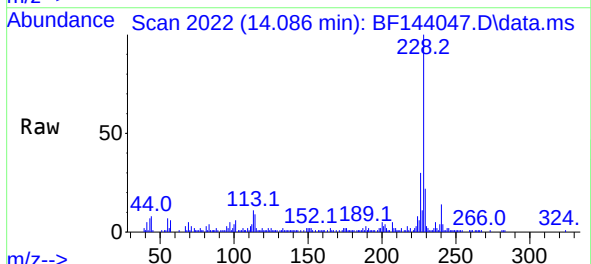
Reviewed By :Rahul Chavli 10/23/2025

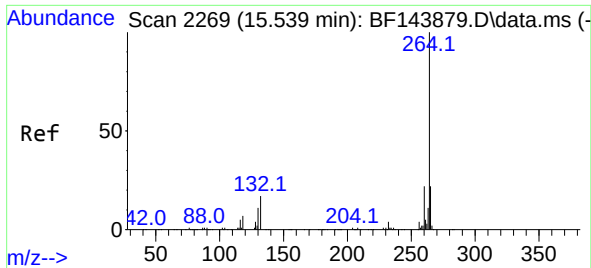
Supervised By :Jagrut Upadhyay 10/23/2025



#83
Chrysene
Concen: 3.235 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion:228 Resp: 35951
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.7 15.9 23.9





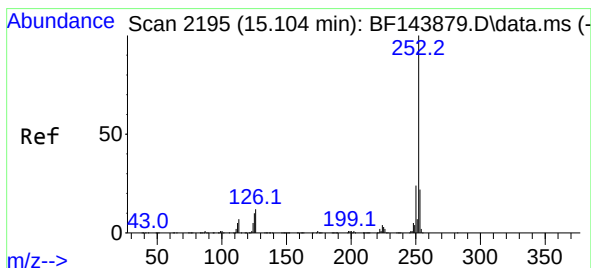
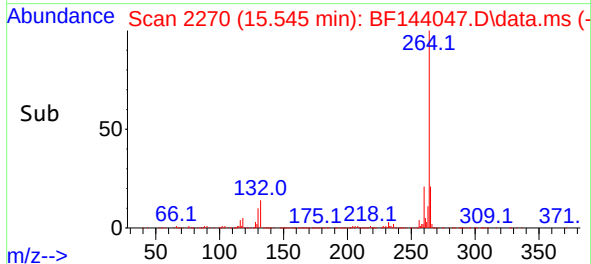
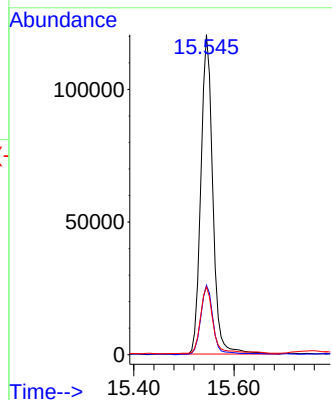
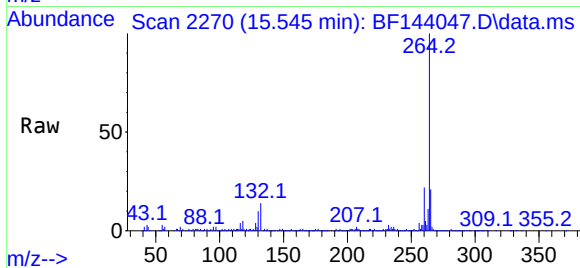
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Tgt Ion:264 Resp: 19908
Ion Ratio Lower Upper
264 100
260 21.7 17.8 26.8
265 21.2 17.5 26.3

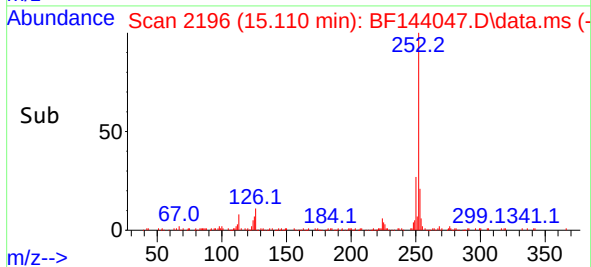
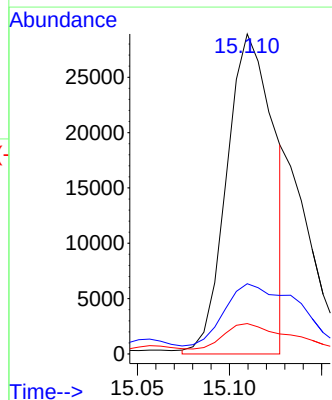
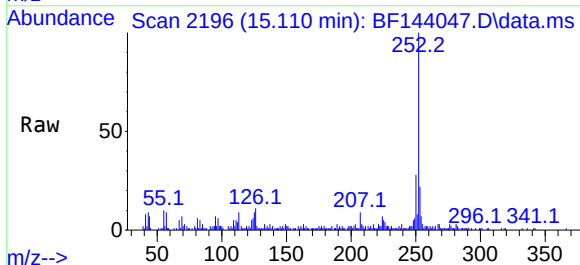
Manual Integrations
APPROVED

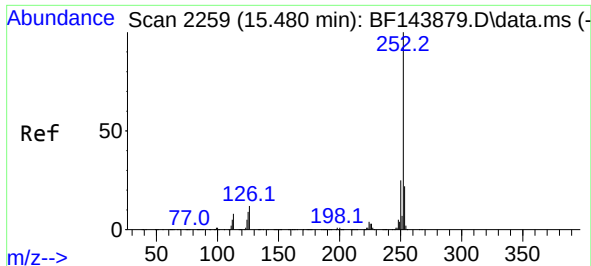
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#88
Benzo(b)fluoranthene
Concen: 4.486 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Tgt Ion:252 Resp: 51296
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.5 7.8 11.6





#90
Benzo(a)pyrene
Concen: 3.235 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144047.D
Acq: 22 Oct 2025 17:46

Instrument :
BNA_F
ClientSampleId :
NB-08-10212025

Tgt Ion:	252	Resp:	3208
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.3	25.9
125	12.7	7.0	10.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

