

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144387.D
 Acq On : 01 Dec 2025 15:15
 Operator : RC/JU
 Sample : Q3740-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Dec 01 15:44:28 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	6.863	152	52921	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	191478	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	101201	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153674	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	133822	20.000	ng	0.00
86) Perylene-d12	15.527	264	166729	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	276223	81.679	ng	0.00
7) Phenol-d6	6.499	99	316463	82.587	ng	0.00
23) Nitrobenzene-d5	7.422	82	193424	58.342	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	86521	68.129	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	402726	58.774	ng	-0.01
79) Terphenyl-d14	12.980	244	377864	44.851	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	46067	6.021	ng	100
75) Fluoranthene	12.610	202	91898	11.627	ng	96
78) Pyrene	12.839	202	85693	7.942	ng	98
81) Benzo(a)anthracene	14.033	228	62373	6.725	ng	96
83) Chrysene	14.069	228	49032	5.727	ng	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	24629	2.058	ng	97
88) Benzo(b)fluoranthene	15.092	252	70848m	7.474	ng	
89) Benzo(k)fluoranthene	15.110	252	22837m	2.574	ng	
90) Benzo(a)pyrene	15.463	252	48613	5.559	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	19505	2.055	ng	# 87

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

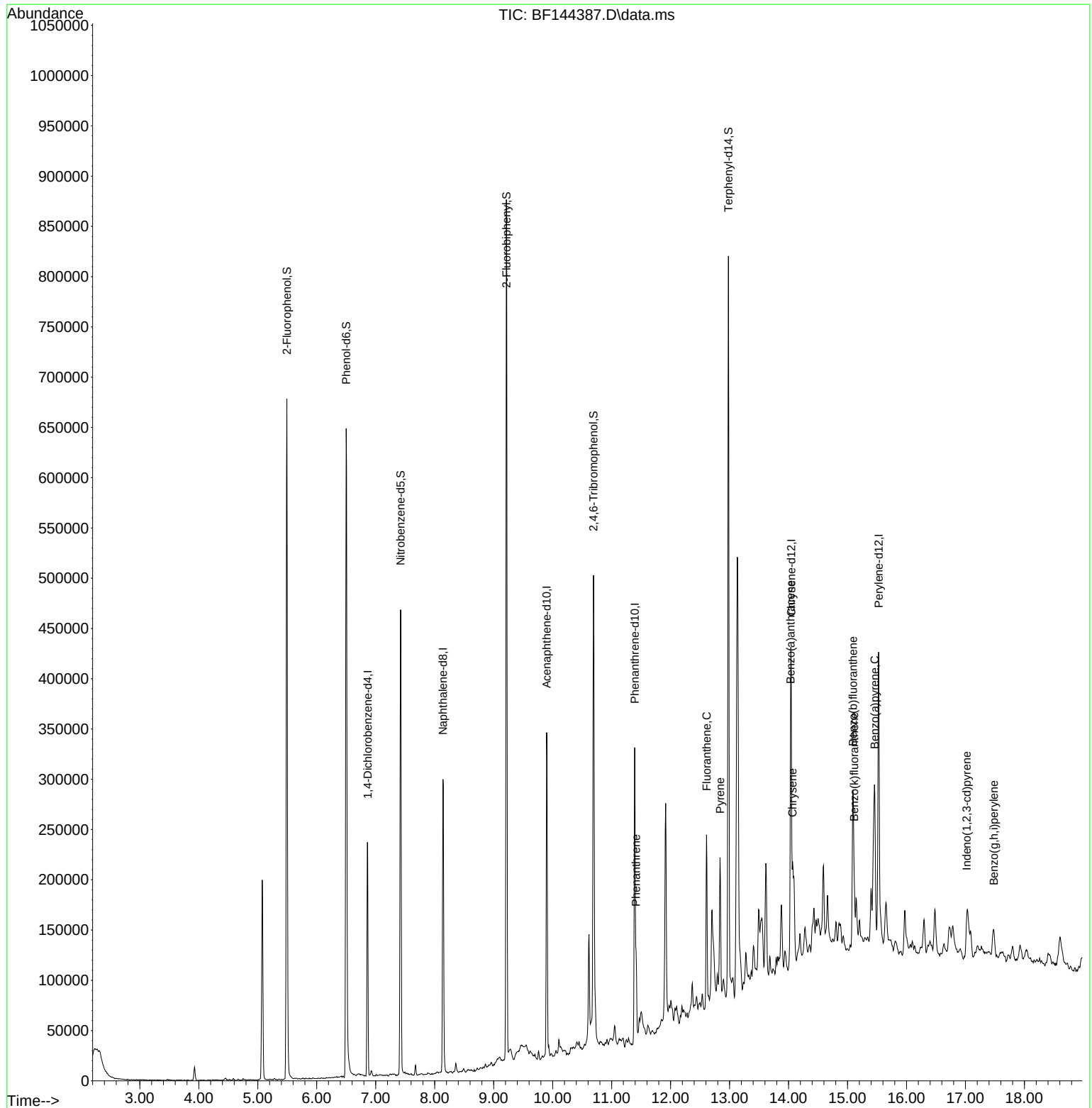
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144387.D
Acq On : 01 Dec 2025 15:15
Operator : RC/JU
Sample : Q3740-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

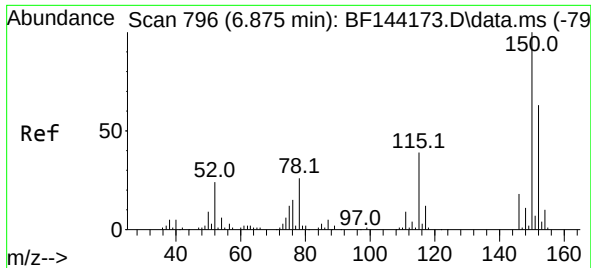
Instrument :
BNA_F
ClientSampleId :
WC1

Quant Time: Dec 01 15:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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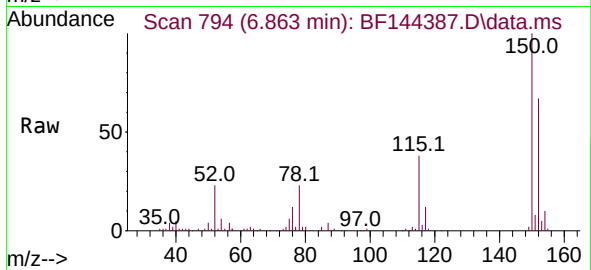
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

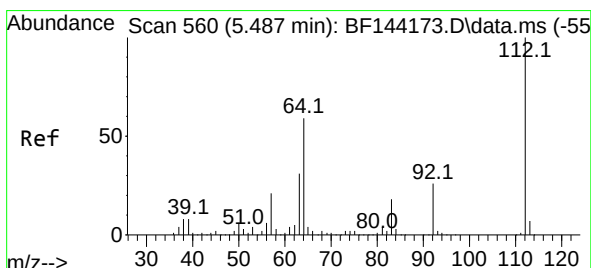
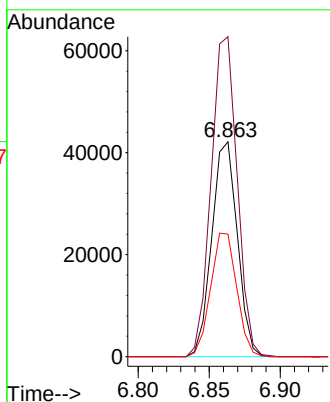
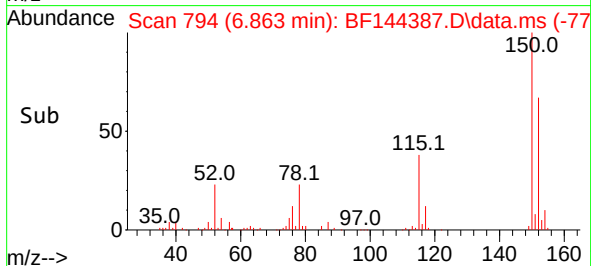
Instrument :
BNA_F
ClientSampleId :
WC1



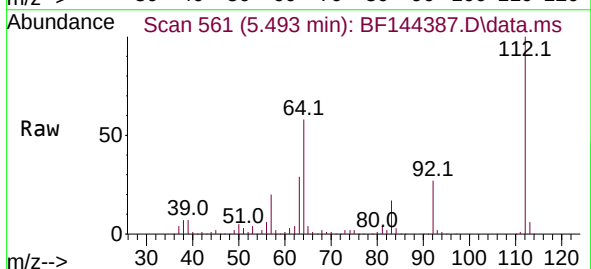
Tgt Ion:152 Resp: 52921
Ion Ratio Lower Upper
152 100
150 149.0 127.4 191.0
115 57.1 49.5 74.3

Manual Integrations
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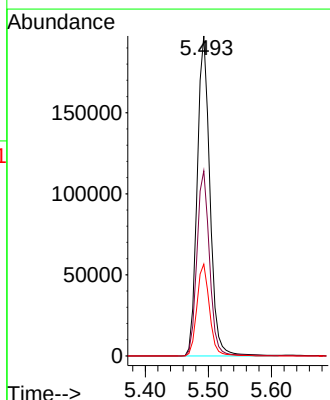
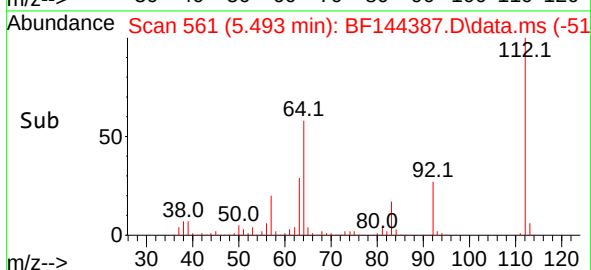
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

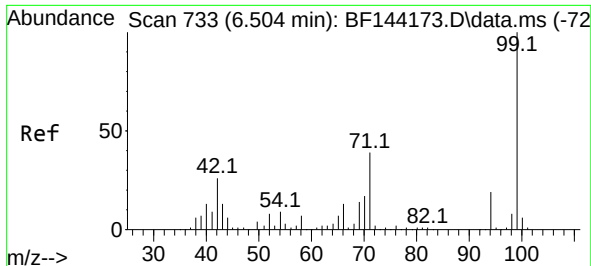


#5
2-Fluorophenol
Concen: 81.679 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



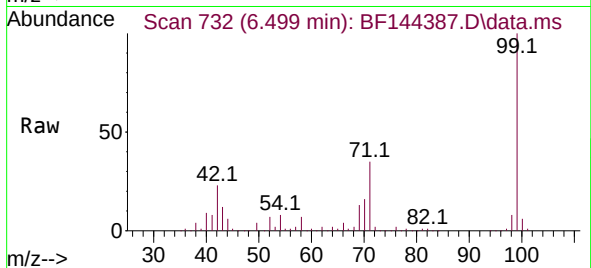
Tgt Ion:112 Resp: 276223
Ion Ratio Lower Upper
112 100
64 57.8 47.2 70.8
63 28.7 24.4 36.6





#7
Phenol-d6
Concen: 82.587 ng
RT: 6.499 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

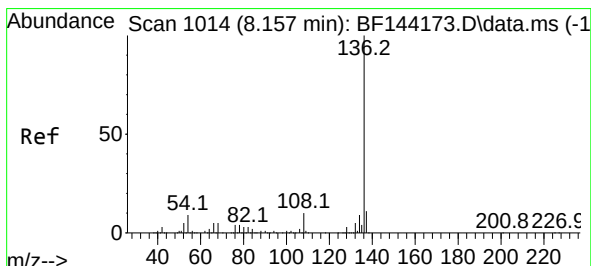
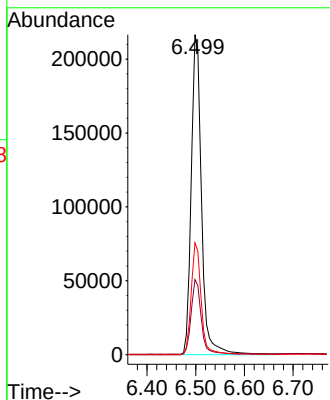
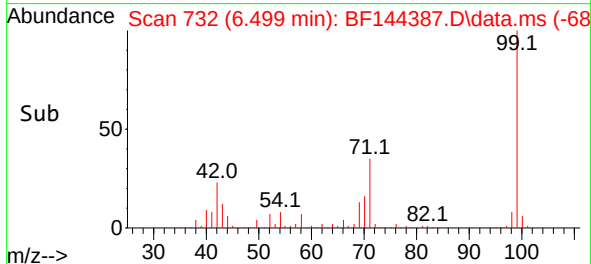
Instrument :
BNA_F
ClientSampleId :
WC1



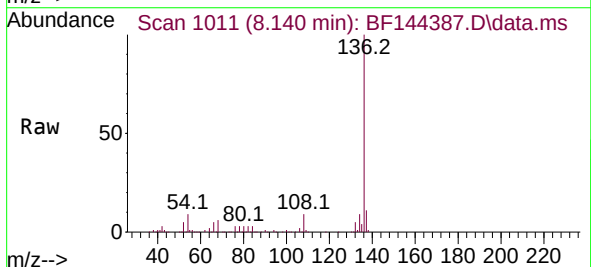
Tgt Ion: 99 Resp: 316463
Ion Ratio Lower Upper
99 100
42 23.4 20.9 31.3
71 34.9 31.4 47.2

Manual Integrations
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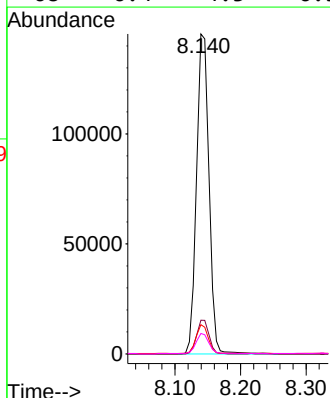
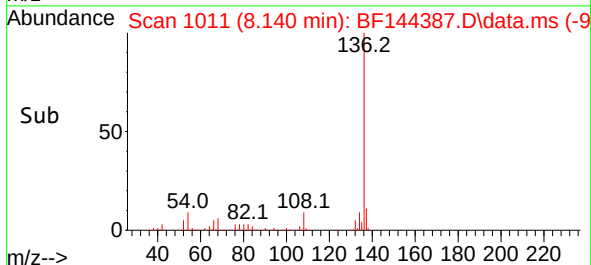
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

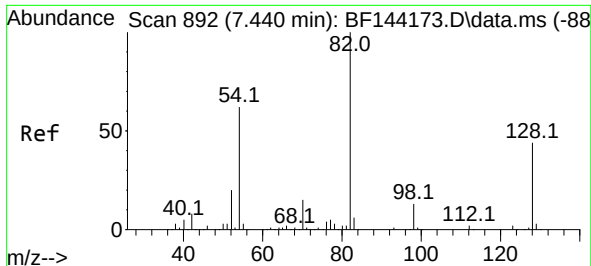


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion:136 Resp: 191478
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.1 7.0 10.6
68 6.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 58.342 ng

RT: 7.422 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

WC1

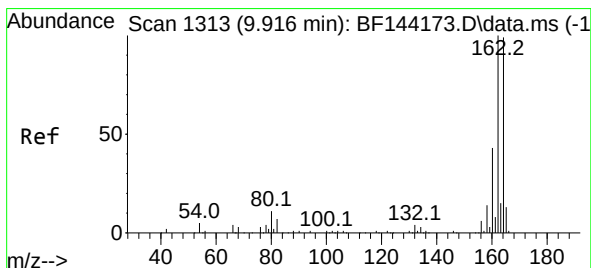
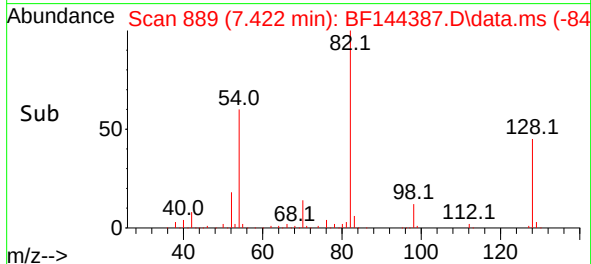
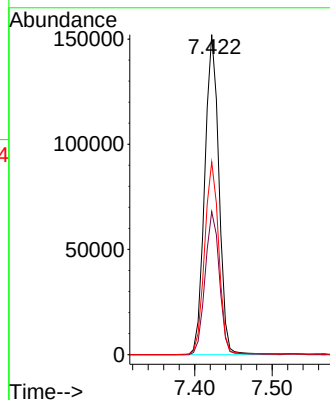
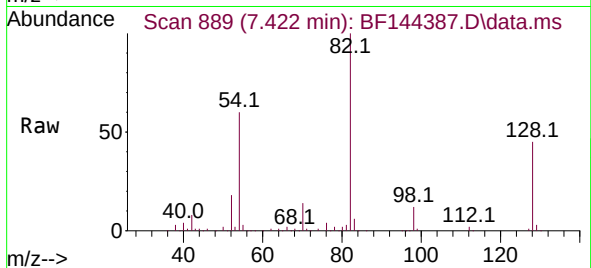
Tgt Ion: 82 Resp: 193424

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.7	52.1
54	60.2	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

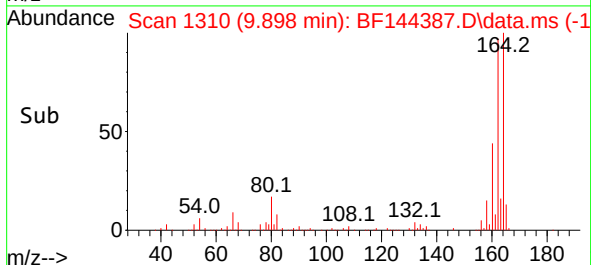
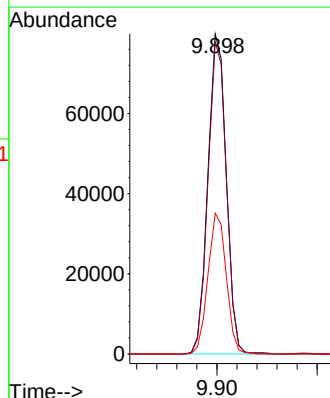
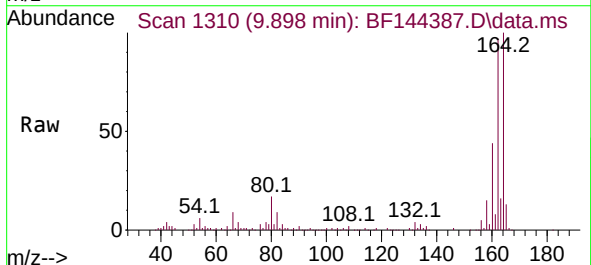
Delta R.T. -0.018 min

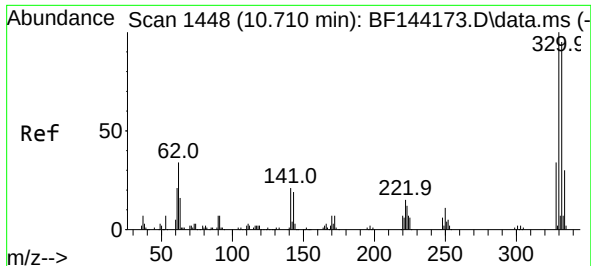
Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Tgt Ion:164 Resp: 101201

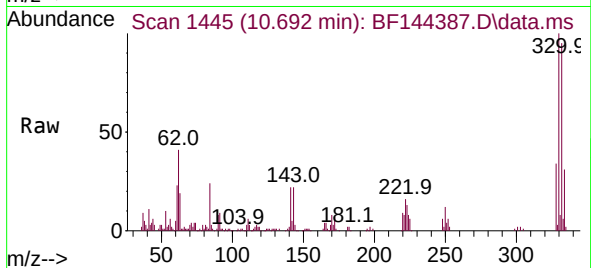
Ion	Ratio	Lower	Upper
164	100		
162	97.5	81.1	121.7
160	44.0	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 68.129 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

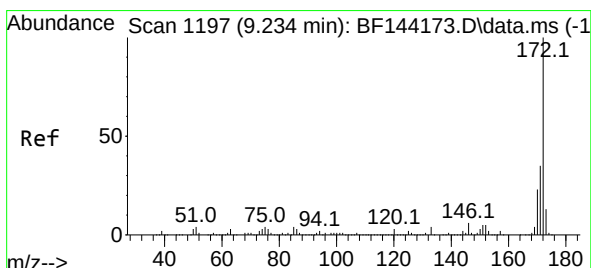
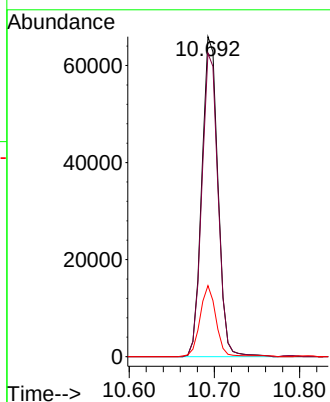
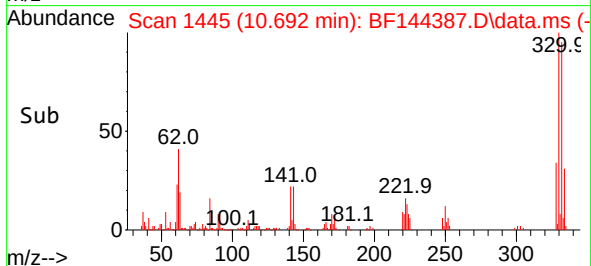
Instrument :
BNA_F
ClientSampleId :
WC1



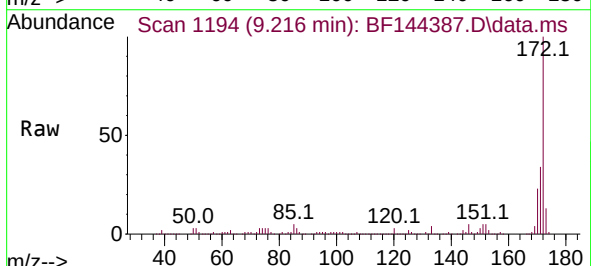
Tgt Ion: 330 Resp: 8652
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 22.3 17.8 26.8

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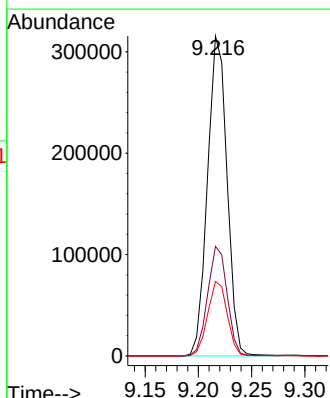
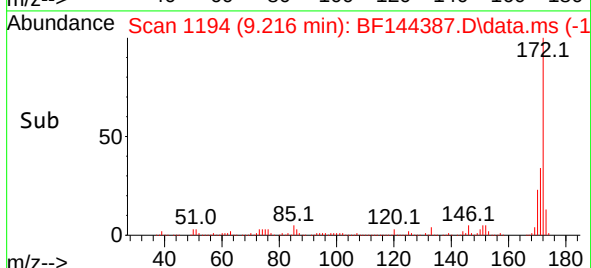
Reviewed By : Jagrut Upadhyay 12/02/2025
Supervised By : mohammad ahmed 12/03/2025

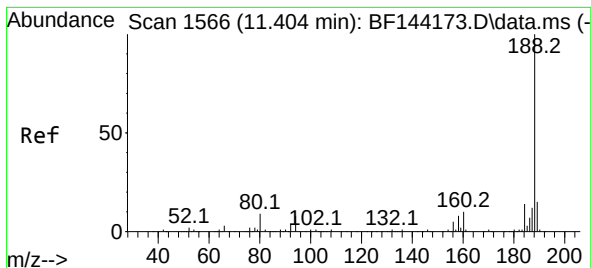


#45
2-Fluorobiphenyl
Concen: 58.774 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion: 172 Resp: 402726
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.3 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

WC1

Tgt Ion:188 Resp: 153674

Ion Ratio Lower Upper

188 100

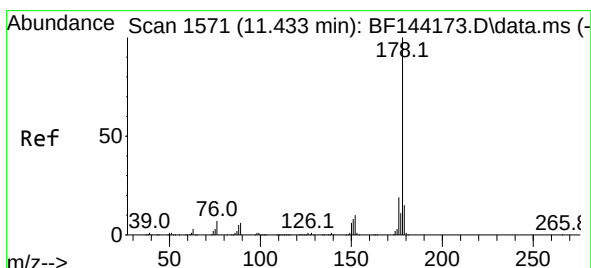
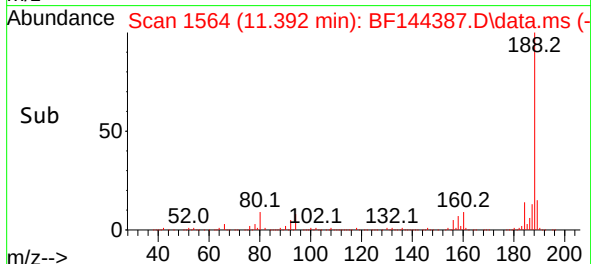
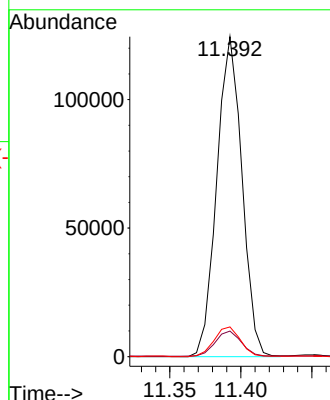
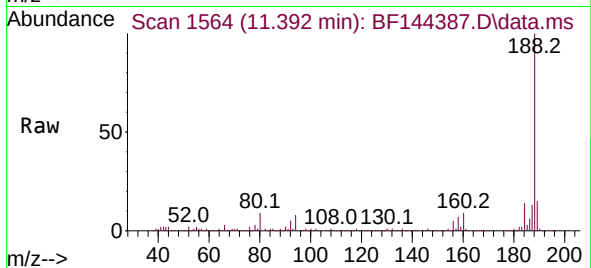
94 8.0 6.2 9.2

80 9.3 6.9 10.3

Manual Integrations

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#71

Phenanthrene

Concen: 6.021 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

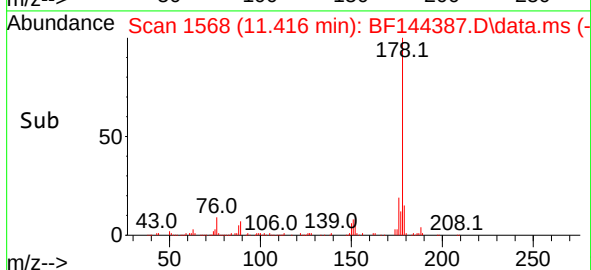
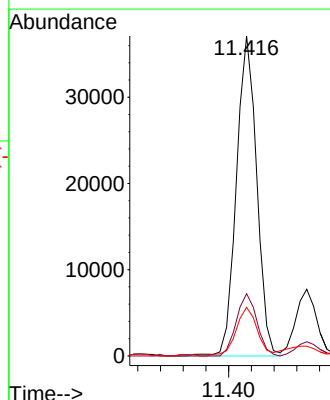
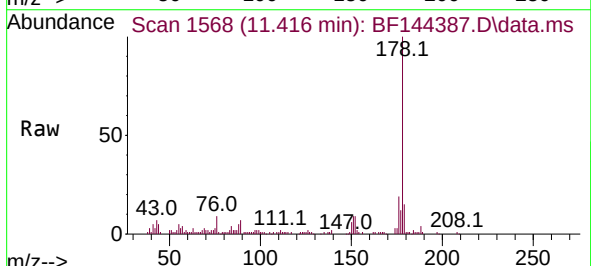
Tgt Ion:178 Resp: 46067

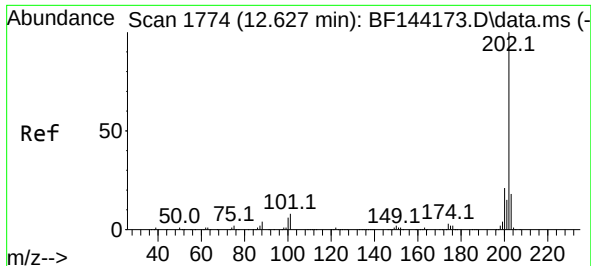
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

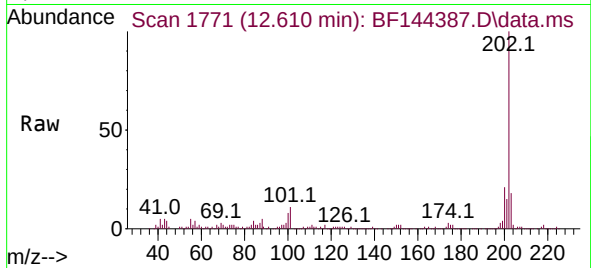
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 11.627 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

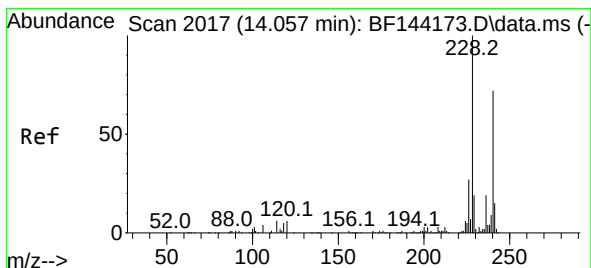
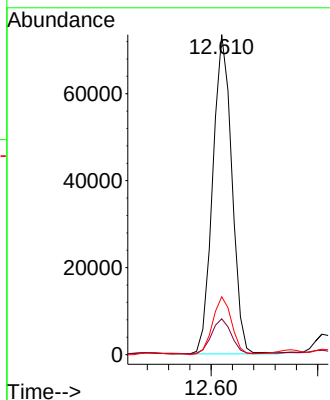
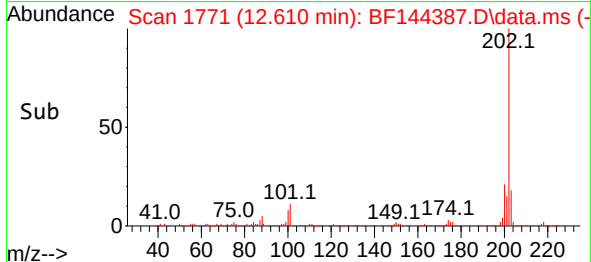
Instrument :
BNA_F
ClientSampleId :
WC1



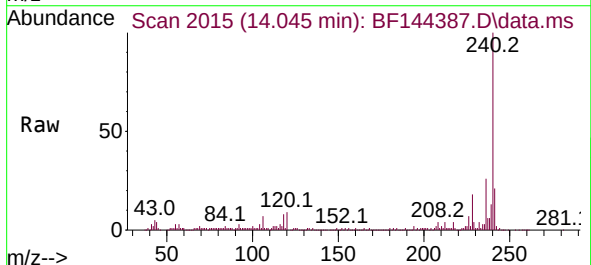
Tgt Ion:202 Resp: 91898
Ion Ratio Lower Upper
202 100
101 11.2 0.0 27.9
203 18.1 0.0 37.5

Manual Integrations
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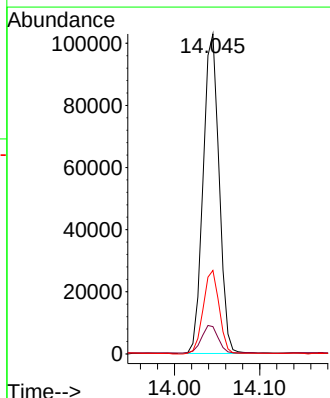
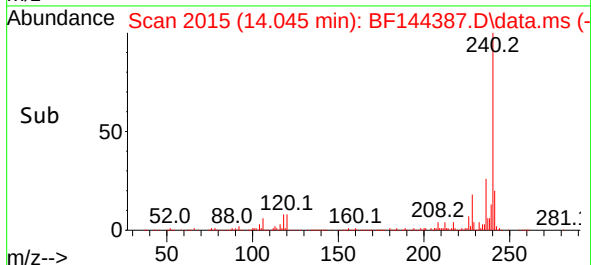
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

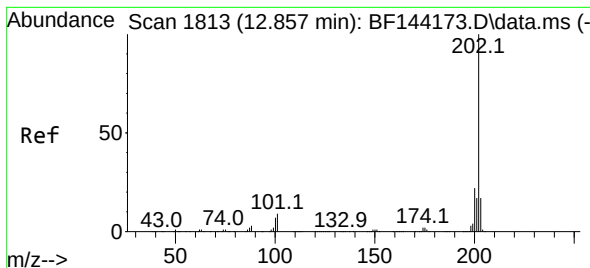


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion:240 Resp: 133822
Ion Ratio Lower Upper
240 100
120 8.5 6.6 10.0
236 26.1 21.4 32.2





#78

Pyrene

Concen: 7.942 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

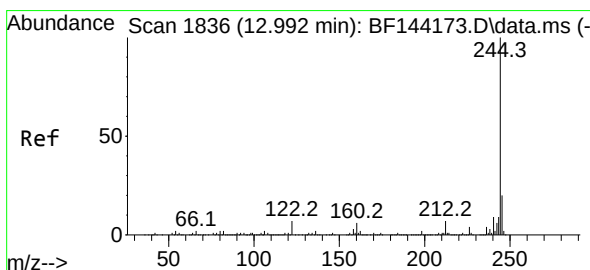
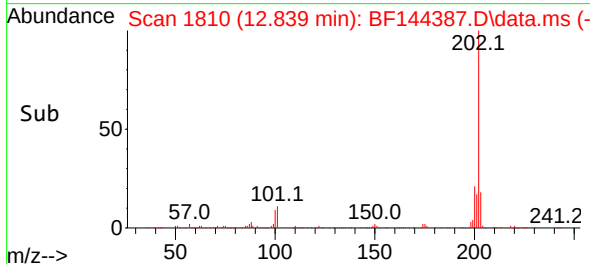
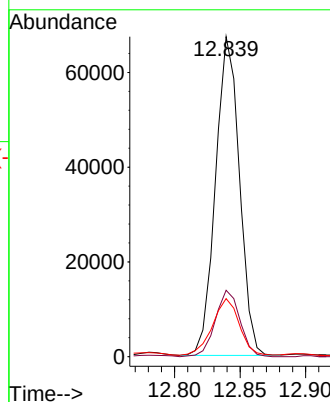
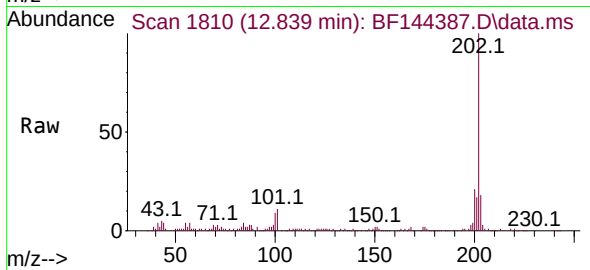
WC1

Tgt Ion:202	Resp:	85693
Ion Ratio	Lower	Upper
202	100	
200	20.7	17.2 25.8
203	18.1	13.7 20.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/02/2025
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#79

Terphenyl-d14

Concen: 44.851 ng

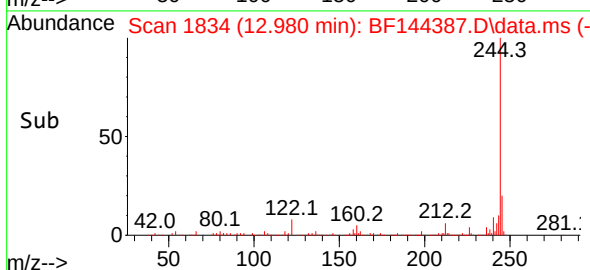
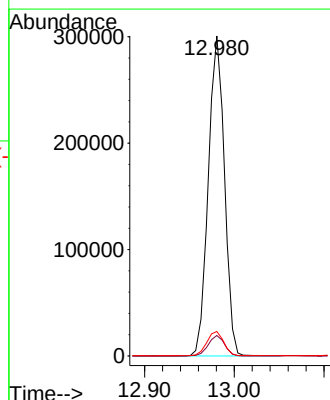
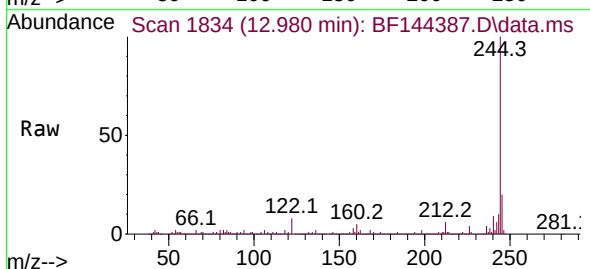
RT: 12.980 min Scan# 1834

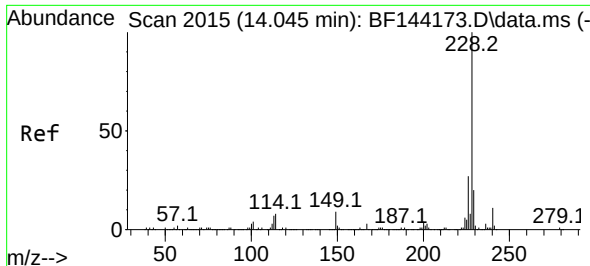
Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

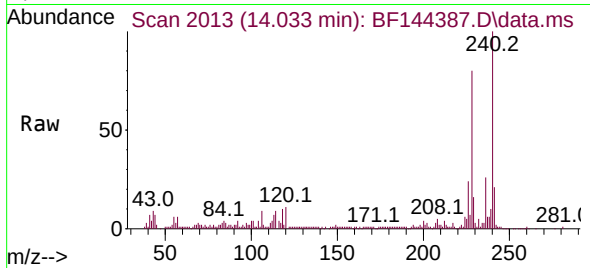
Tgt Ion:244	Resp:	377864
Ion Ratio	Lower	Upper
244	100	
212	6.4	5.3 7.9
122	7.6	5.6 8.4





#81
Benzo(a)anthracene
Concen: 6.725 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

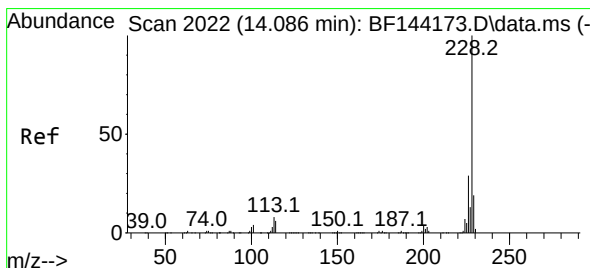
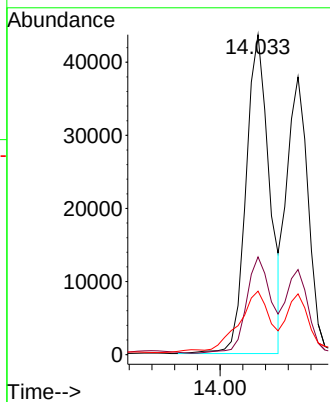
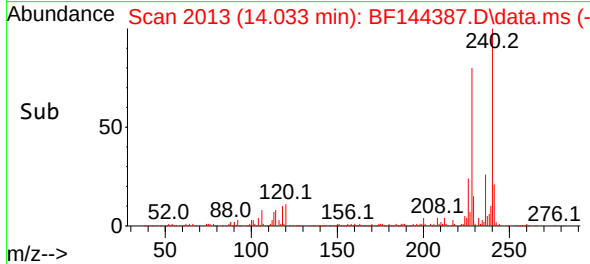
Instrument :
BNA_F
ClientSampleId :
WC1



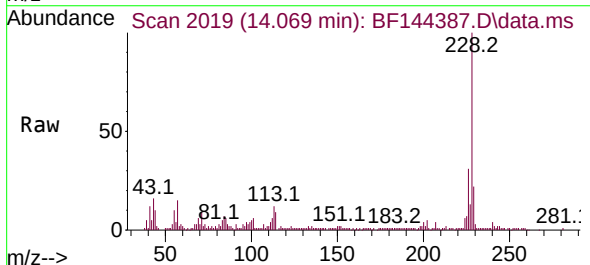
Tgt Ion:228 Resp: 62373
Ion Ratio Lower Upper
228 100
226 30.5 21.8 32.8
229 19.8 15.8 23.6

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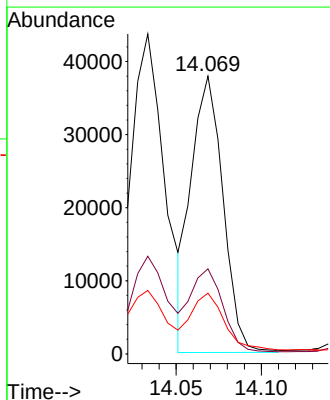
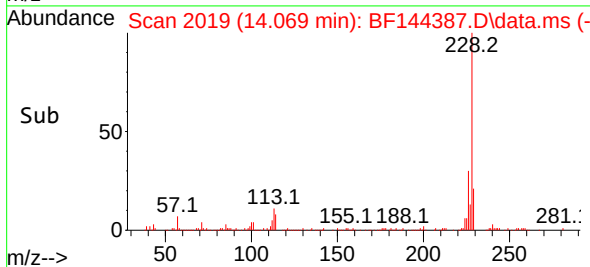
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

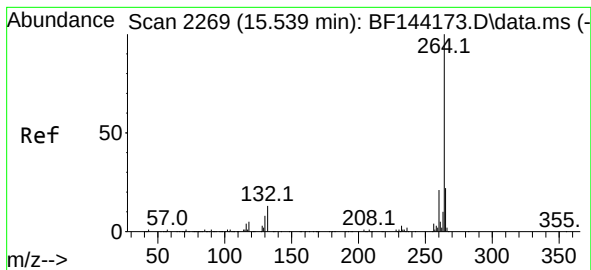


#83
Chrysene
Concen: 5.727 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion:228 Resp: 49032
Ion Ratio Lower Upper
228 100
226 30.6 22.9 34.3
229 21.9 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

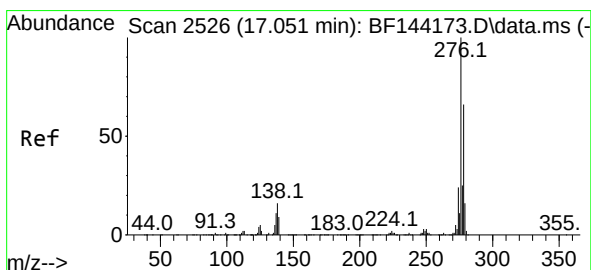
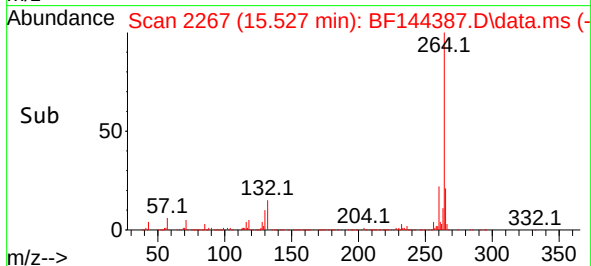
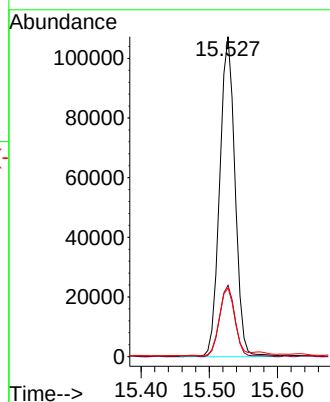
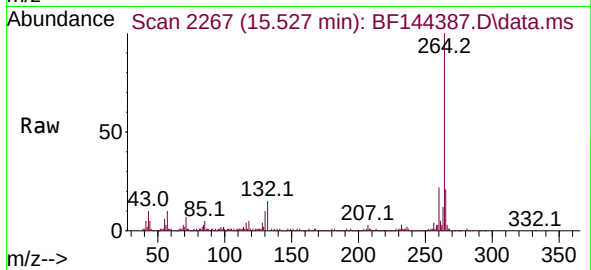
WC1

Tgt Ion:264	Resp: 166729
Ion Ratio	Lower Upper
264	100
260	22.3 17.1 25.7
265	21.4 17.4 26.0

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Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.058 ng

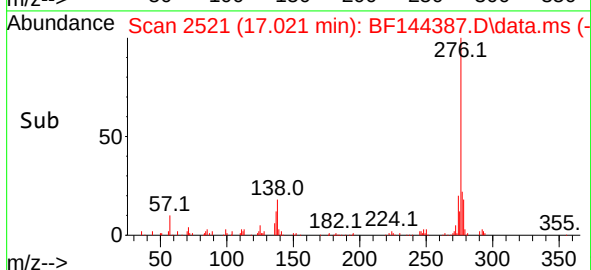
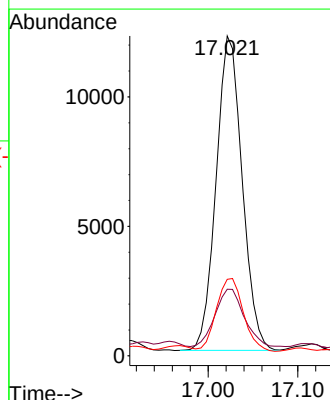
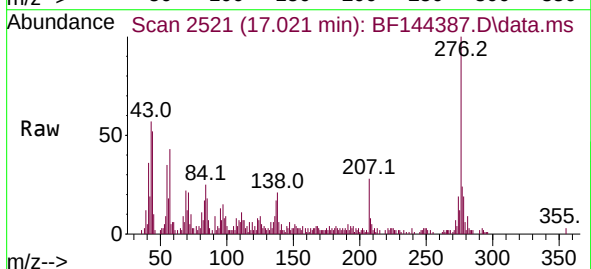
RT: 17.021 min Scan# 2521

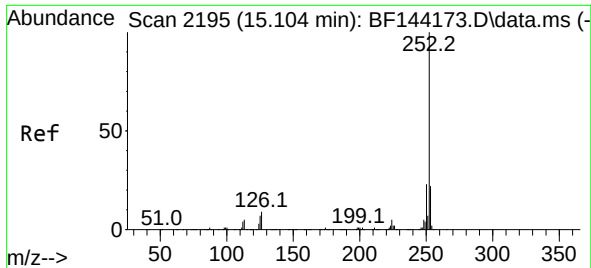
Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

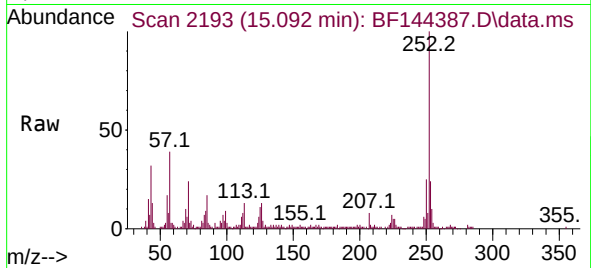
Tgt Ion:276	Resp: 24629
Ion Ratio	Lower Upper
276	100
138	20.2 13.9 20.9
277	24.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 7.474 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

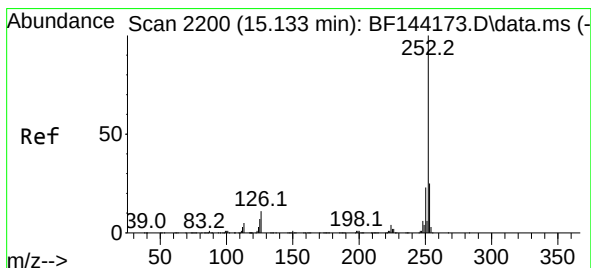
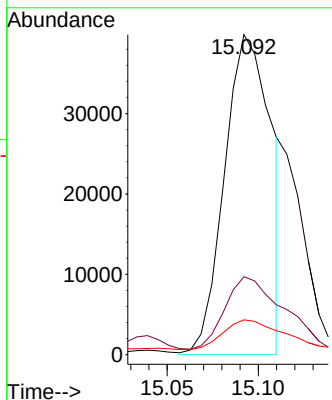
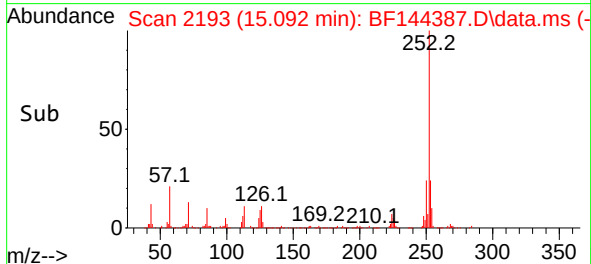
Instrument :
BNA_F
ClientSampleId :
WC1



Tgt Ion:252 Resp: 70848
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 10.9 5.3 7.9

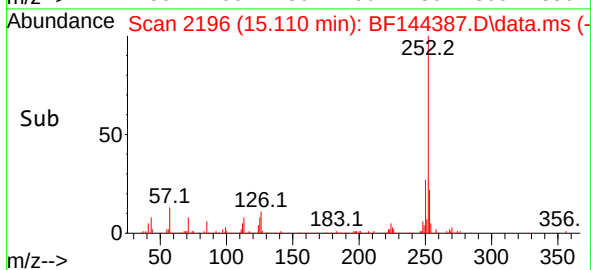
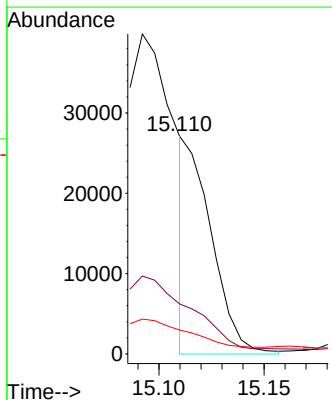
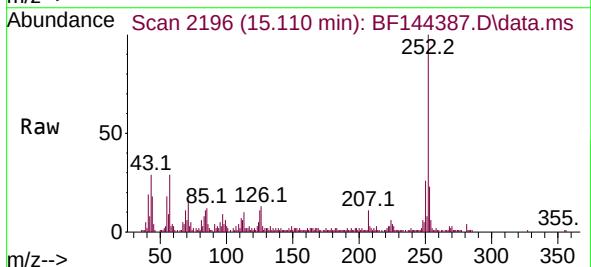
Manual Integrations
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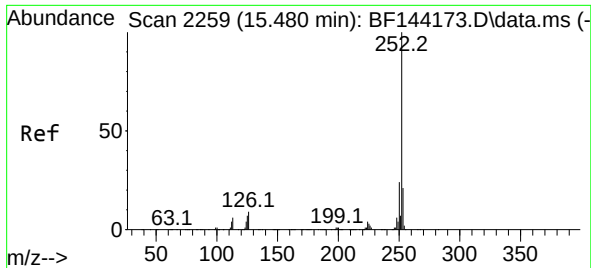
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 2.574 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

Tgt Ion:252 Resp: 22837
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.0 5.4 8.2





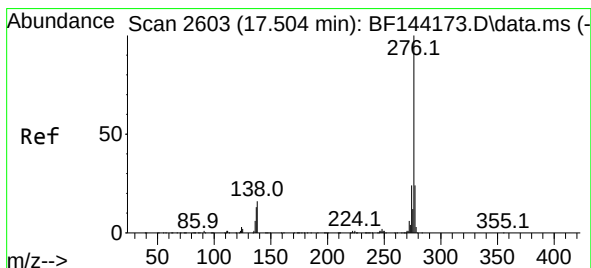
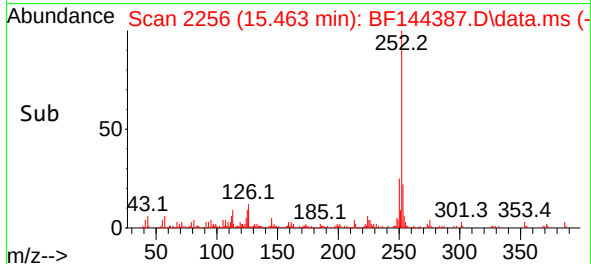
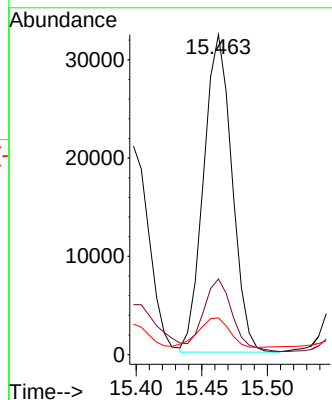
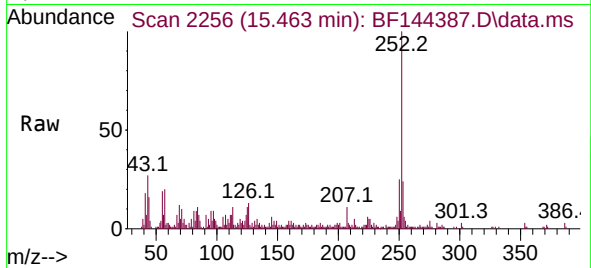
#90
Benzo(a)pyrene
Concen: 5.559 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:252 Resp: 48613
Ion Ratio Lower Upper
252 100
253 23.6 16.7 25.1
125 11.5 5.7 8.5

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Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#92
Benzo(g,h,i)perylene
Concen: 2.055 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

Tgt Ion:276 Resp: 19505
Ion Ratio Lower Upper
276 100
277 25.8 19.0 28.4
138 26.8 12.9 19.3

