

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144299.D
 Acq On : 20 Nov 2025 17:27
 Operator : RC/JU
 Sample : Q3681-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

Quant Time: Nov 20 17:47:20 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	6.863	152	41168	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	140774	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	71893	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	132549	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	125491	20.000	ng	0.00
86) Perylene-d12	15.521	264	99006	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	308628	117.315	ng	0.00
7) Phenol-d6	6.498	99	326381	109.492	ng	0.00
23) Nitrobenzene-d5	7.422	82	193120	79.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	95012	105.315	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	363653	74.707	ng	0.00
79) Terphenyl-d14	12.980	244	476391	60.299	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	58719	8.898	ng	99
75) Fluoranthene	12.610	202	125836	18.459	ng	98
78) Pyrene	12.839	202	116991	11.562	ng	99
81) Benzo(a)anthracene	14.033	228	82635	9.501	ng	95
83) Chrysene	14.068	228	67201	8.370	ng	95
87) Indeno(1,2,3-cd)pyrene	17.015	276	24381	3.431	ng	97
88) Benzo(b)fluoranthene	15.092	252	70539m	12.532	ng	
89) Benzo(k)fluoranthene	15.104	252	29263m	5.554	ng	
90) Benzo(a)pyrene	15.457	252	44632	8.595	ng	# 89
92) Benzo(g,h,i)perylene	17.468	276	20294	3.600	ng	# 90

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

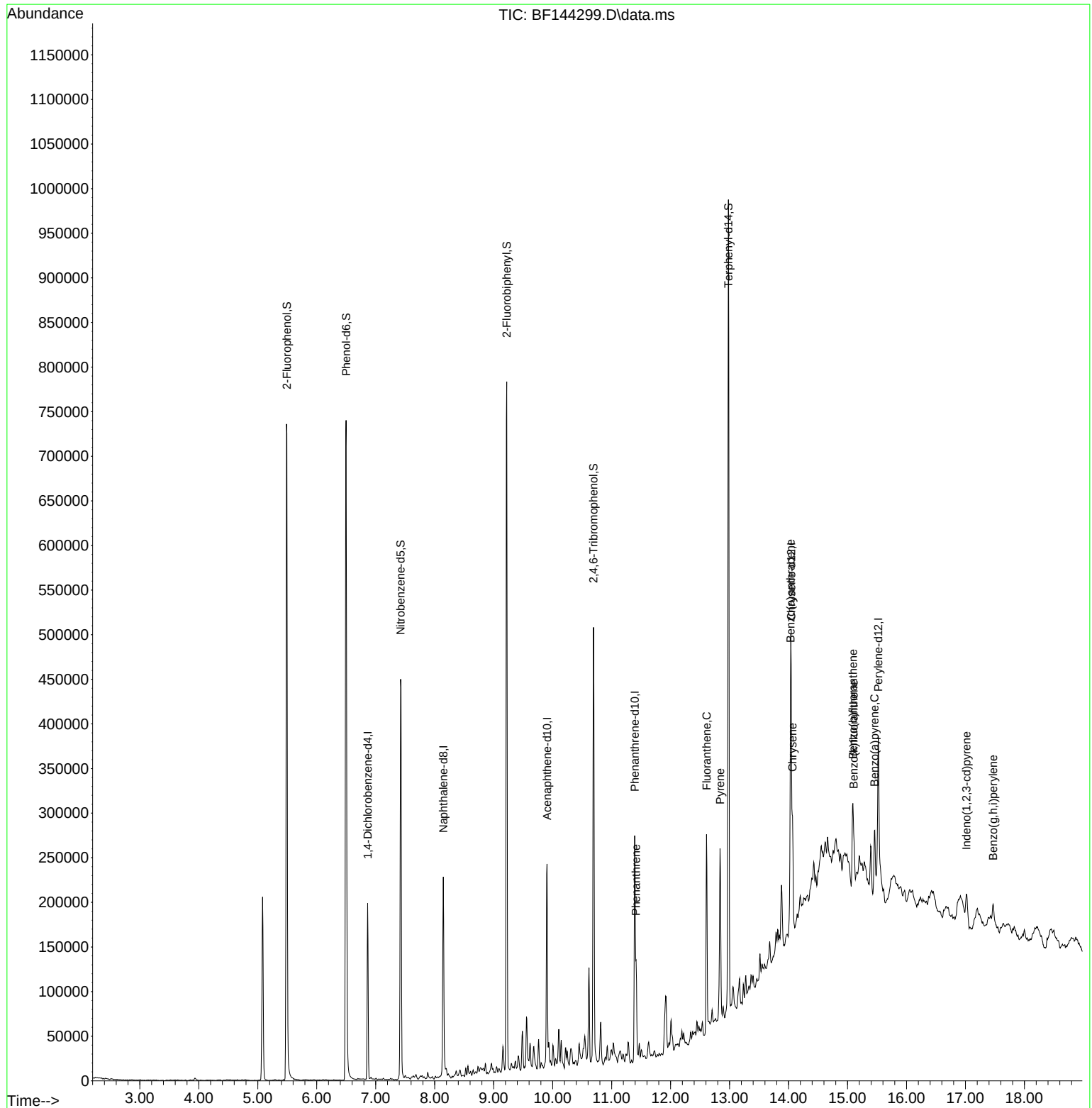
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144299.D
Acq On : 20 Nov 2025 17:27
Operator : RC/JU
Sample : Q3681-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

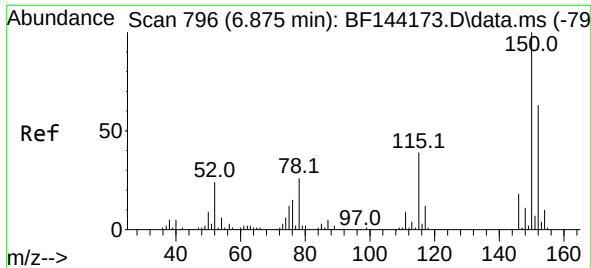
Instrument :
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ClientSampleId :
ETGI-354

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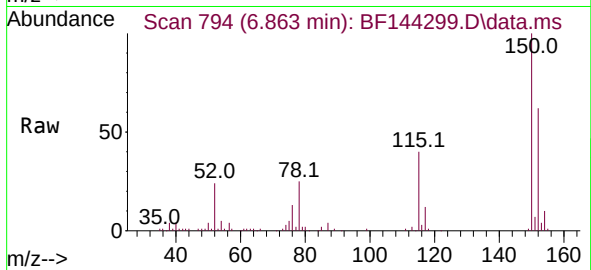
Quant Time: Nov 20 17:47:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

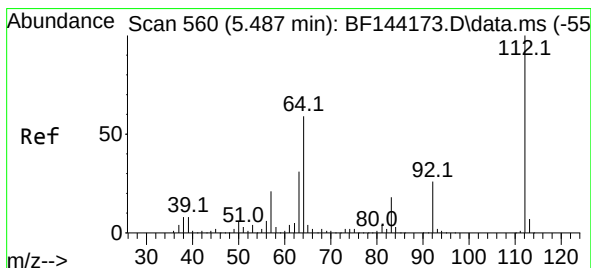
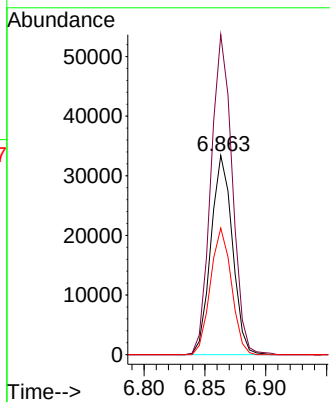
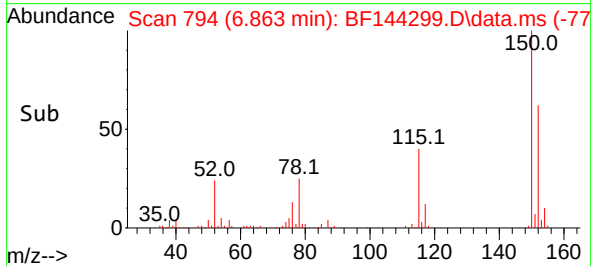
Instrument :
BNA_F
ClientSampleId :
ETGI-354



Tgt Ion:152 Resp: 41168
Ion Ratio Lower Upper
152 100
150 160.7 127.4 191.0
115 63.5 49.5 74.3

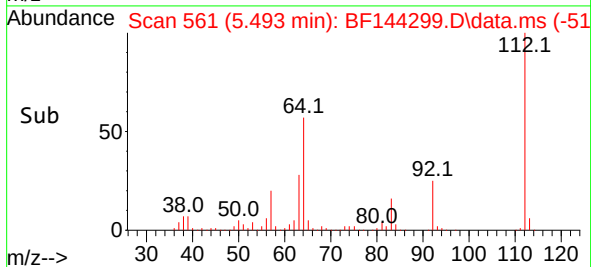
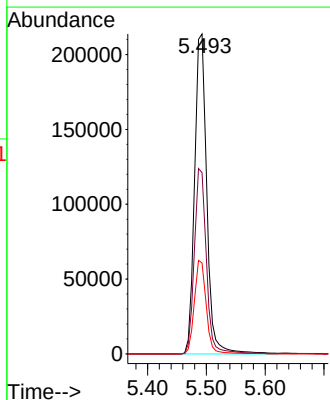
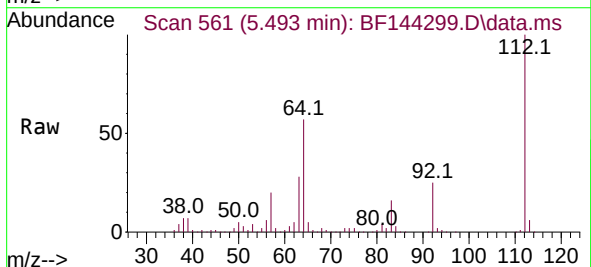
Manual Integrations
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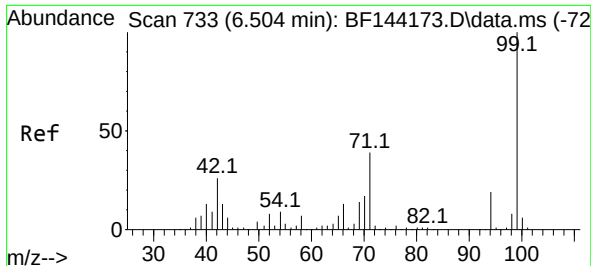
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#5
2-Fluorophenol
Concen: 117.315 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

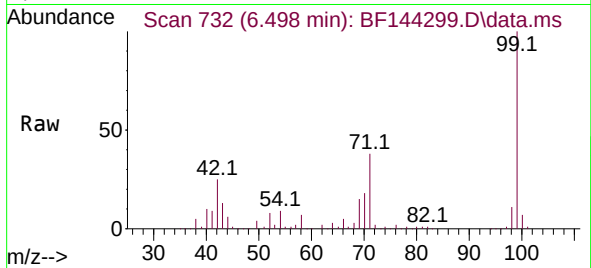
Tgt Ion:112 Resp: 308628
Ion Ratio Lower Upper
112 100
64 56.6 47.2 70.8
63 28.4 24.4 36.6





#7
Phenol-d6
Concen: 109.492 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

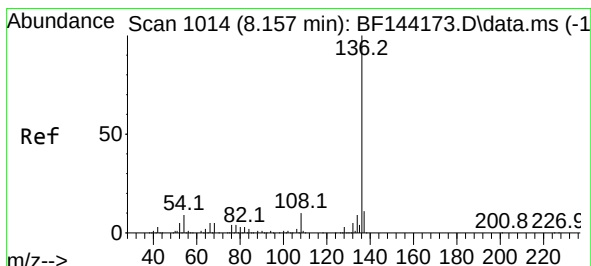
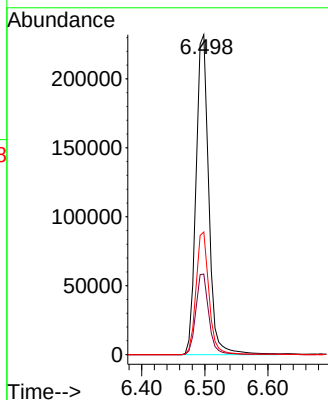
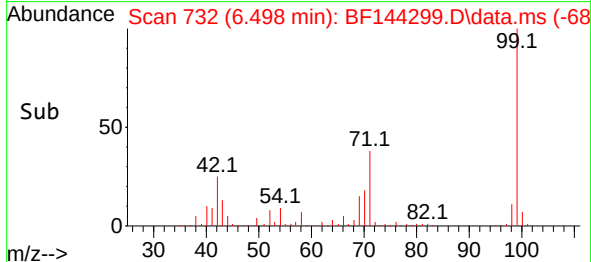
Instrument :
BNA_F
ClientSampleId :
ETGI-354



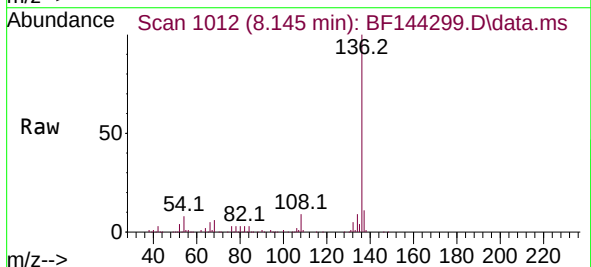
Tgt Ion: 99 Resp: 326381
Ion Ratio Lower Upper
99 100
42 25.2 20.9 31.3
71 38.3 31.4 47.2

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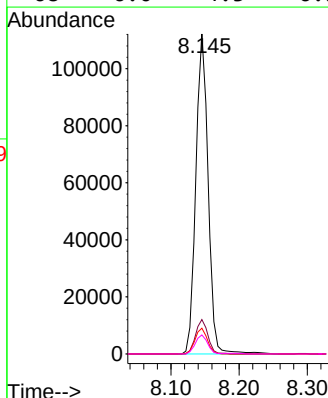
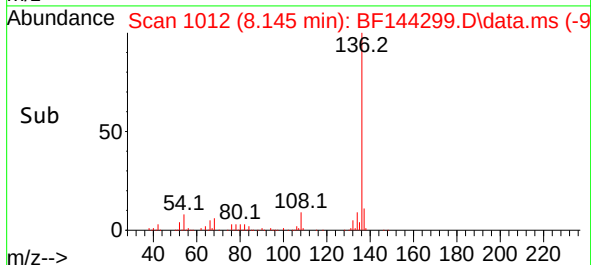
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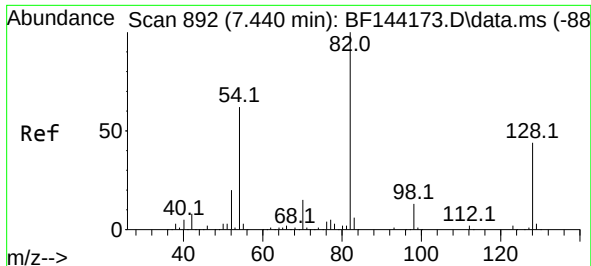


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27



Tgt Ion:136 Resp: 140774
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 7.0 10.6
68 6.0 4.3 6.5





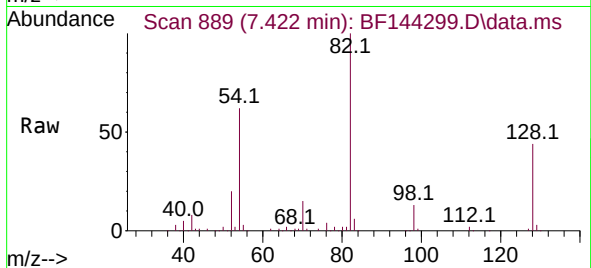
#23
Nitrobenzene-d5
Concen: 79.231 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ETGI-354

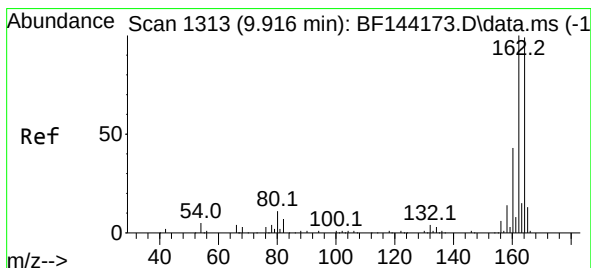
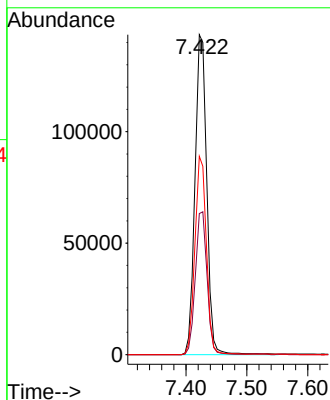
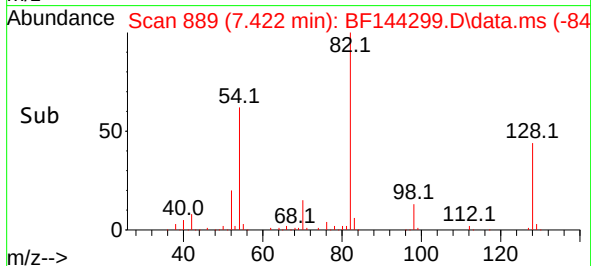


Tgt Ion: 82 Resp: 193120
Ion Ratio Lower Upper
82 100
128 44.1 34.7 52.1
54 62.0 49.5 74.3

Manual Integrations

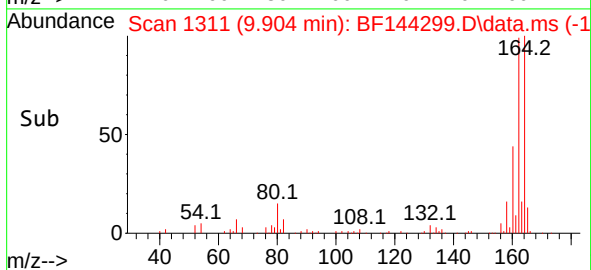
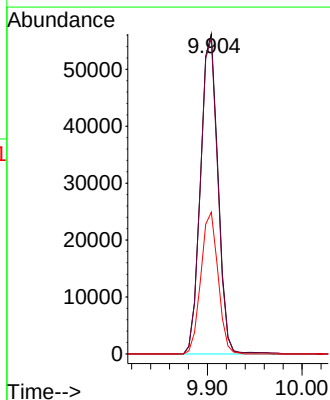
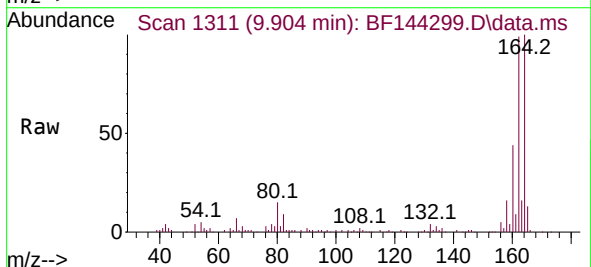
APPROVED

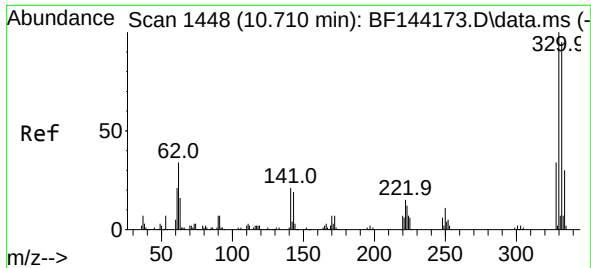
Reviewed By :Jagrut Upadhyay 11/21/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

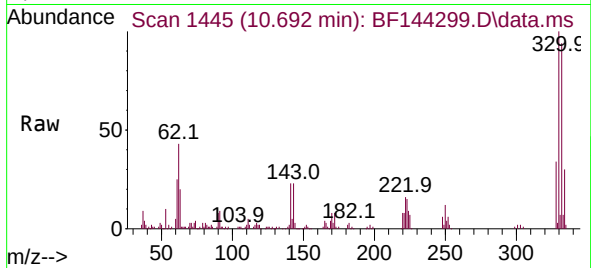
Tgt Ion:164 Resp: 71893
Ion Ratio Lower Upper
164 100
162 98.6 81.1 121.7
160 44.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 105.315 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

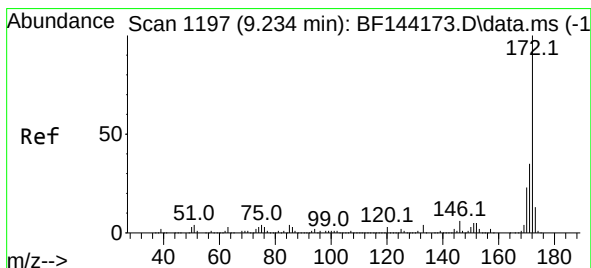
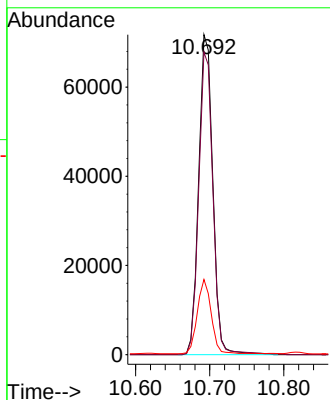
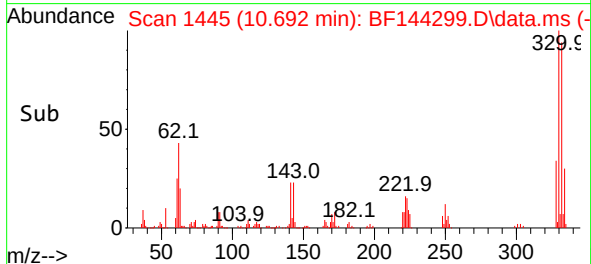
Instrument :
BNA_F
ClientSampleId :
ETGI-354



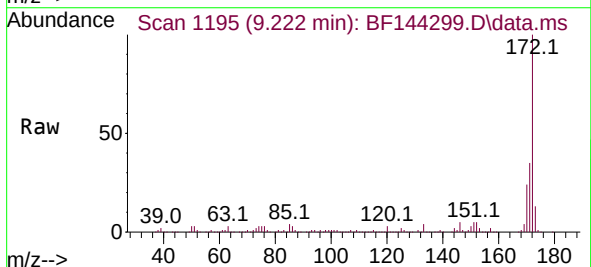
Tgt Ion: 330 Resp: 95012
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 22.9 17.8 26.8

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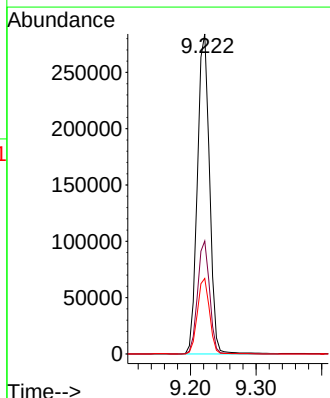
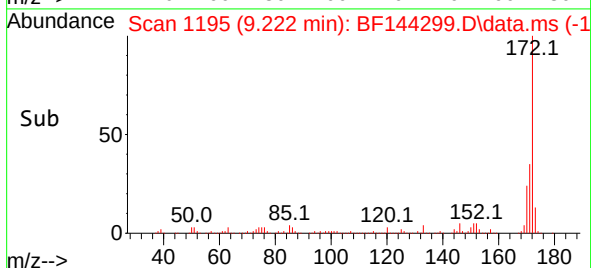
Reviewed By : Jagrut Upadhyay 11/21/2025
Supervised By : mohammad ahmed 11/22/2025

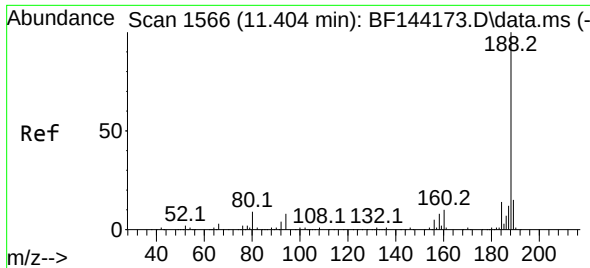


#45
2-Fluorobiphenyl
Concen: 74.707 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27



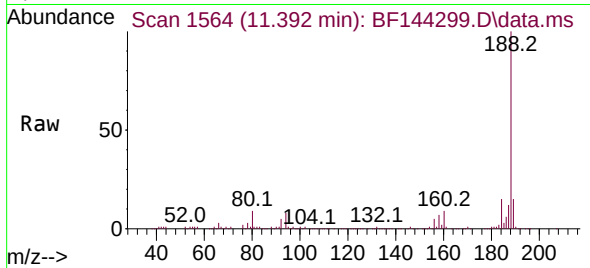
Tgt Ion: 172 Resp: 363653
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.6 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

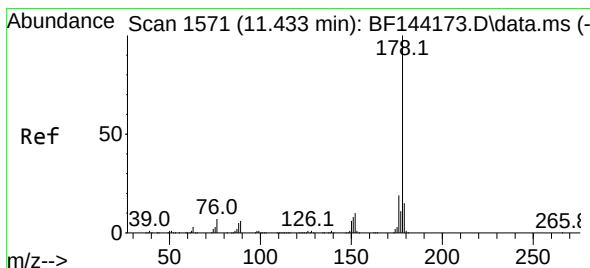
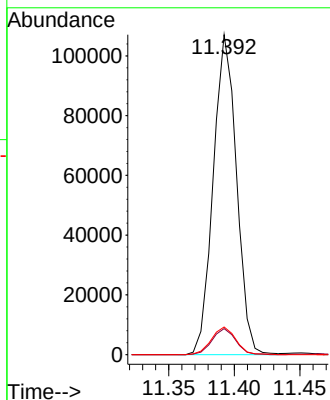
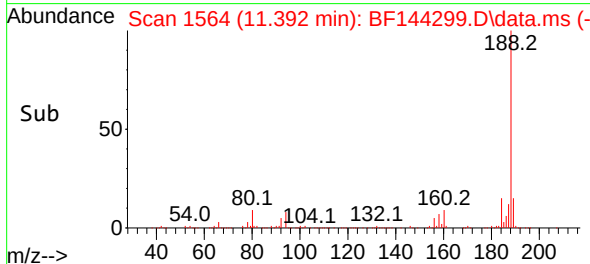
Instrument :
BNA_F
ClientSampleId :
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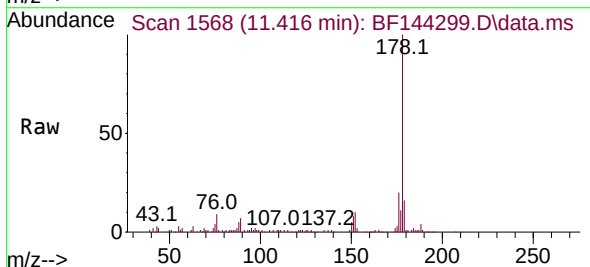
Tgt Ion:188 Resp: 132549
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.6 6.9 10.3

Manual Integrations
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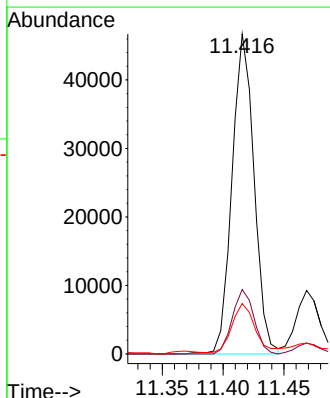
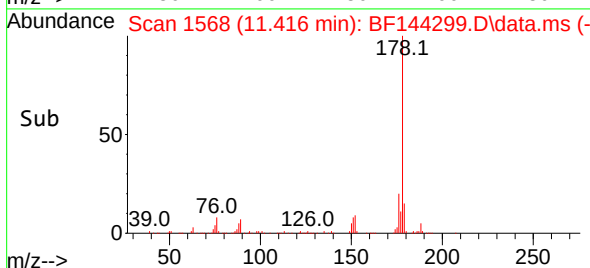
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

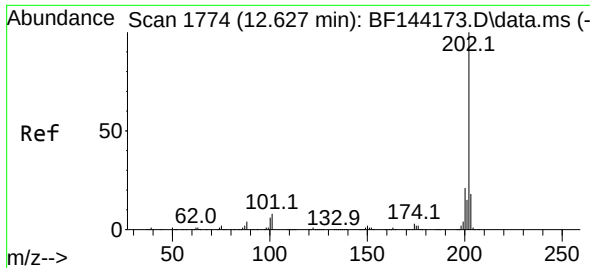


#71
Phenanthrene
Concen: 8.898 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27



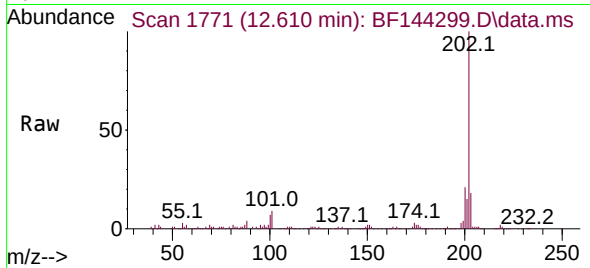
Tgt Ion:178 Resp: 58719
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 18.459 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

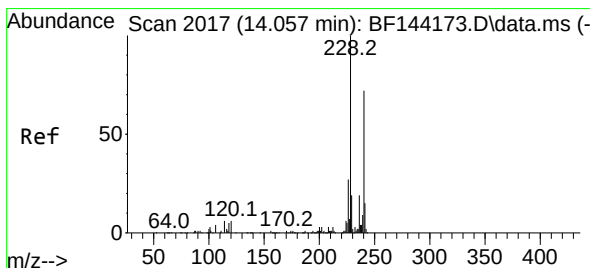
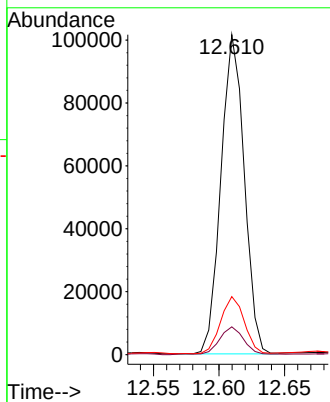
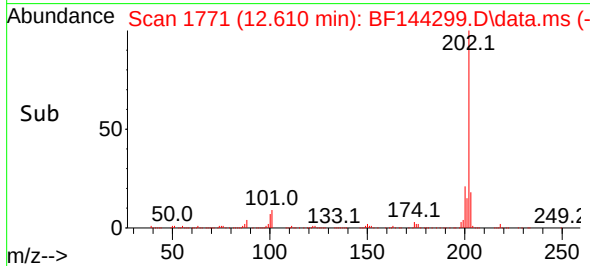
Instrument :
BNA_F
ClientSampleId :
ETGI-354



Tgt Ion:202 Resp: 125836
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.9
203 18.1 0.0 37.5

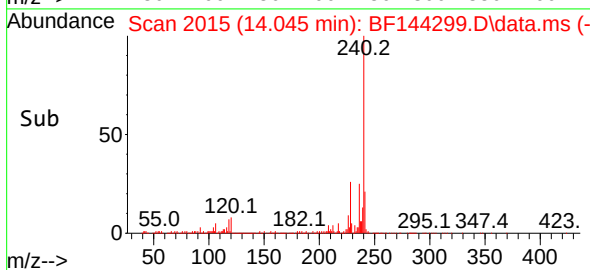
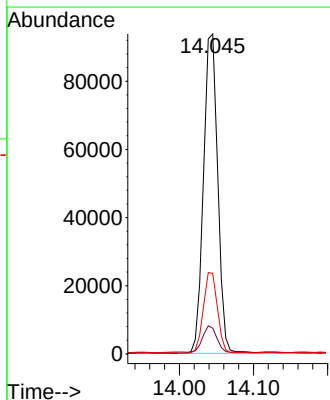
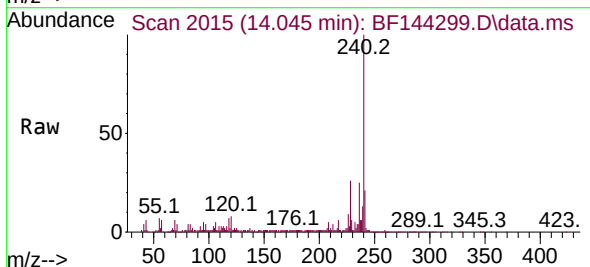
Manual Integrations
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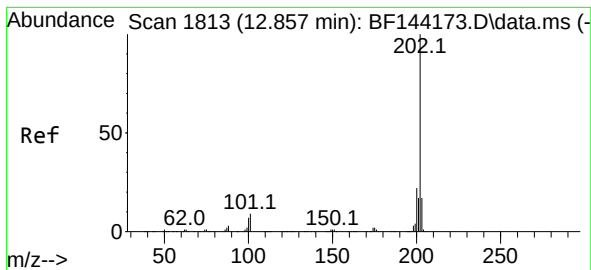
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:240 Resp: 125491
Ion Ratio Lower Upper
240 100
120 8.0 6.6 10.0
236 25.2 21.4 32.2





#78

Pyrene

Concen: 11.562 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ETGI-354

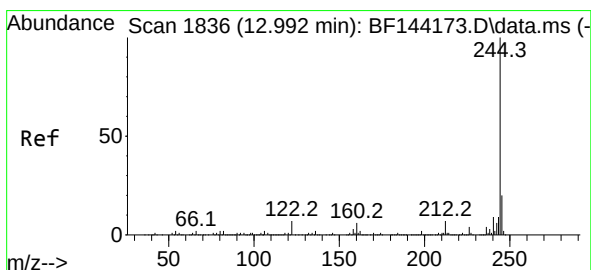
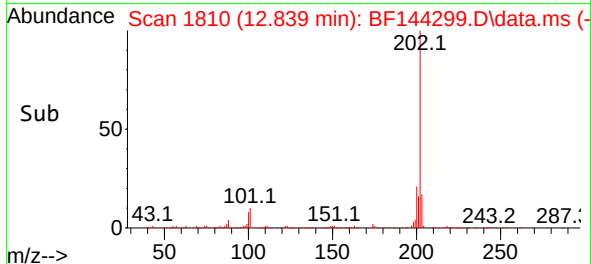
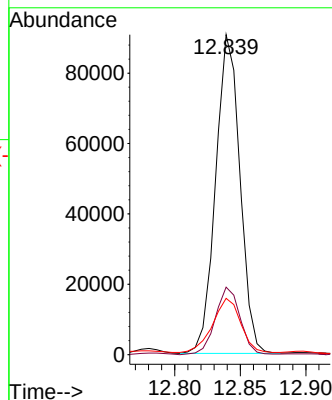
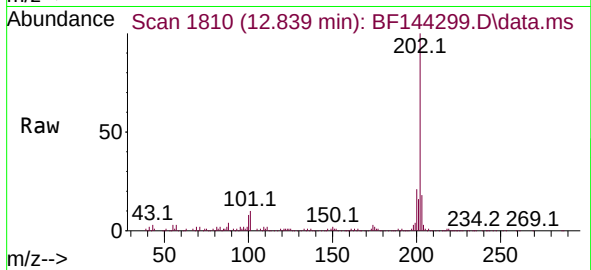
Tgt Ion:202 Resp: 116991

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.6	13.7	20.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#79

Terphenyl-d14

Concen: 60.299 ng

RT: 12.980 min Scan# 1834

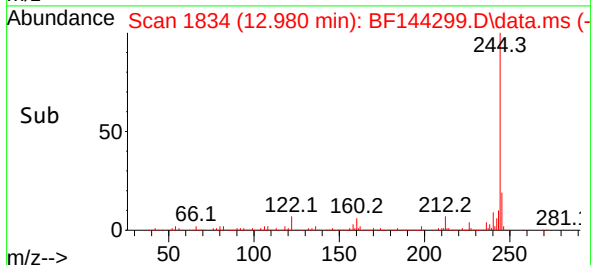
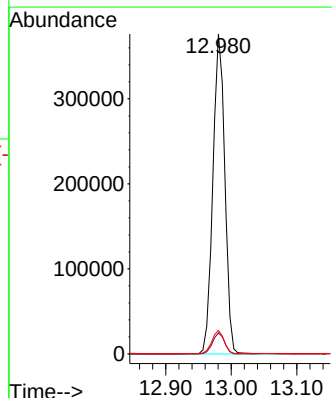
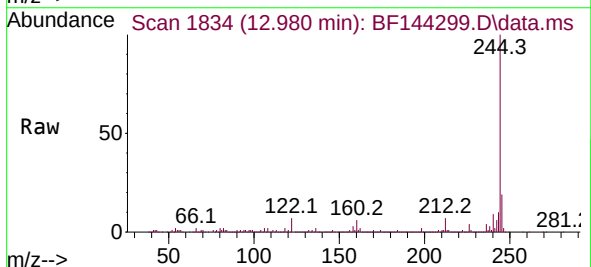
Delta R.T. -0.012 min

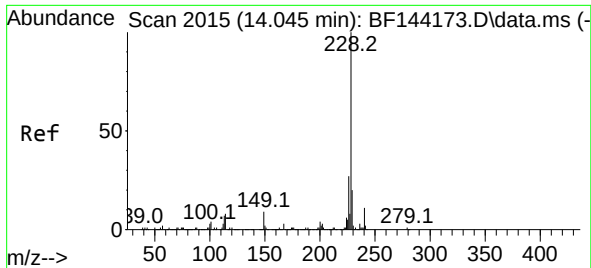
Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

Tgt Ion:244 Resp: 476391

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.3	5.6	8.4





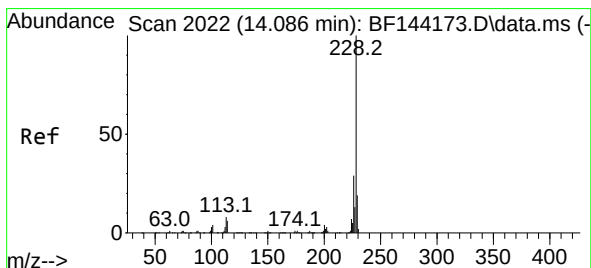
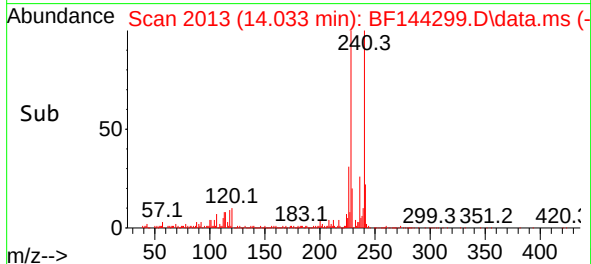
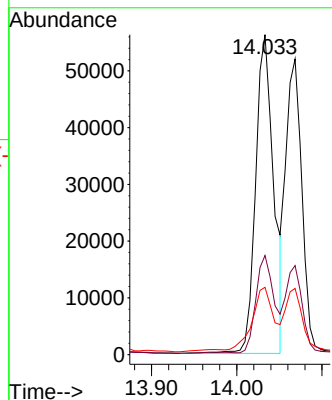
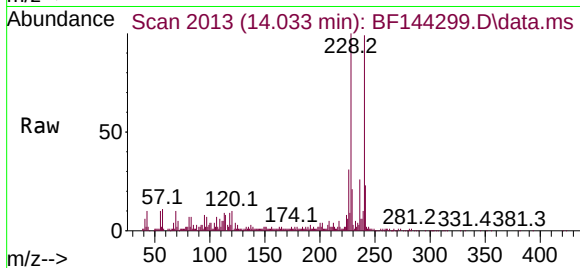
#81
Benzo(a)anthracene
Concen: 9.501 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion:228 Resp: 82635
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.8
229 21.0 15.8 23.6

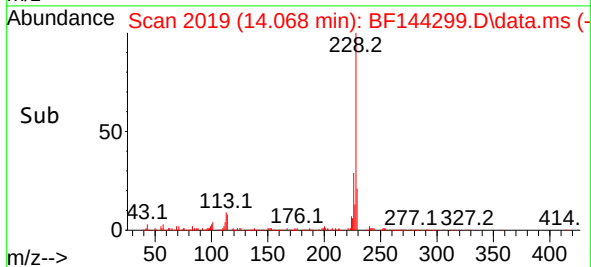
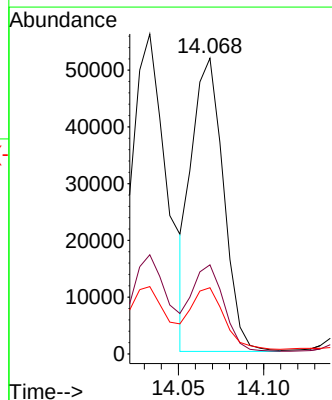
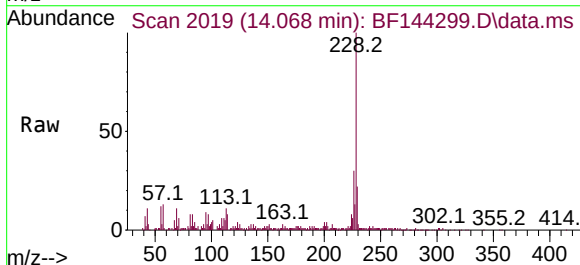
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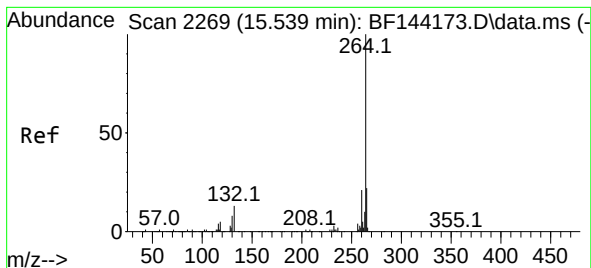
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#83
Chrysene
Concen: 8.370 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:228 Resp: 67201
Ion Ratio Lower Upper
228 100
226 30.1 22.9 34.3
229 22.4 15.0 22.6





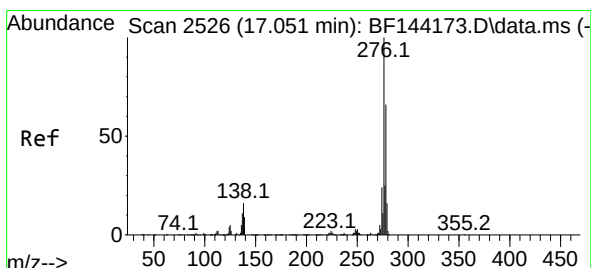
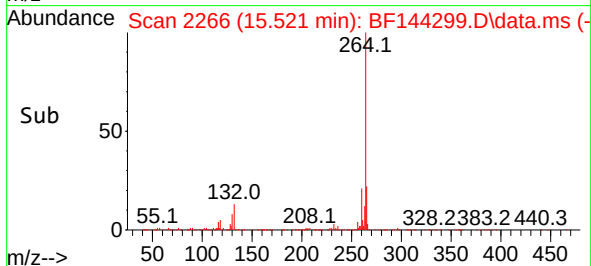
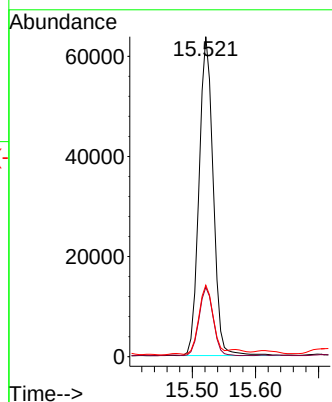
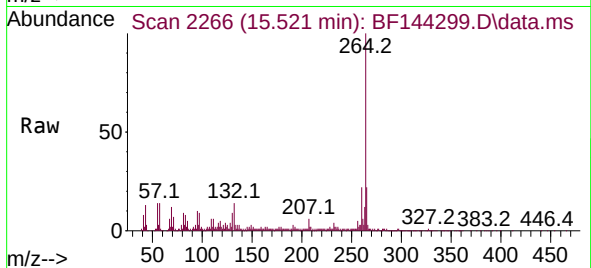
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion:264 Resp: 99000
Ion Ratio Lower Upper
264 100
260 21.7 17.1 25.7
265 22.3 17.4 26.0

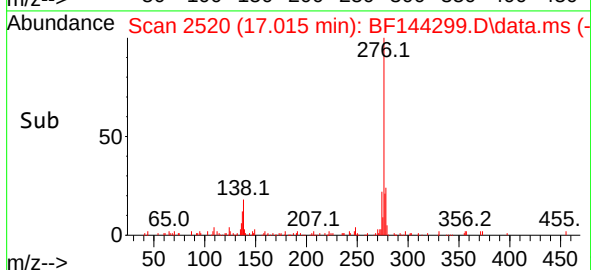
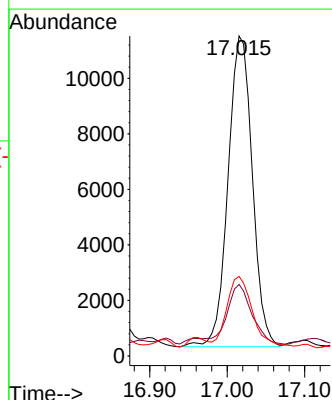
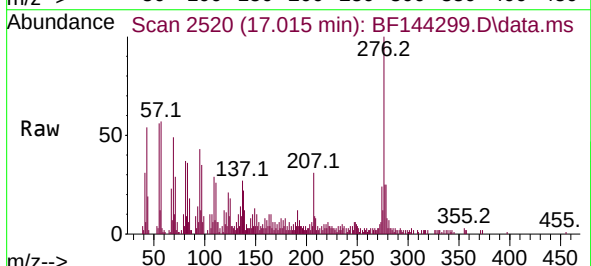
Manual Integrations
APPROVED

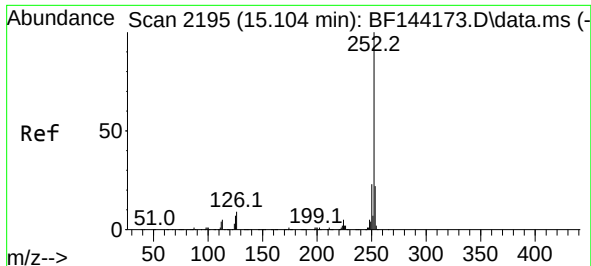
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.431 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

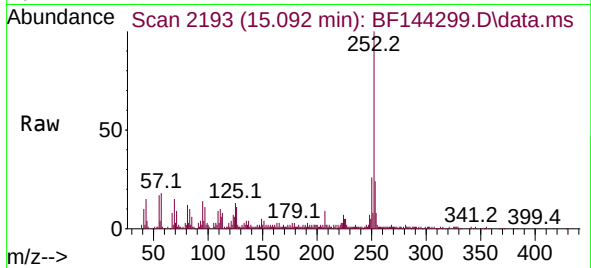
Tgt Ion:276 Resp: 24381
Ion Ratio Lower Upper
276 100
138 19.5 13.9 20.9
277 24.2 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 12.532 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

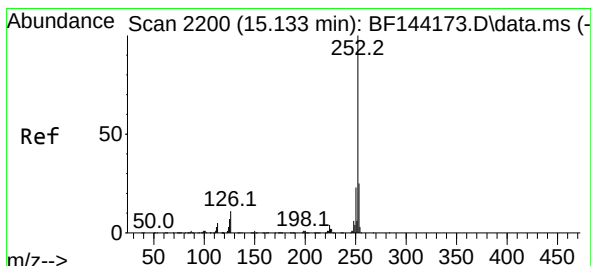
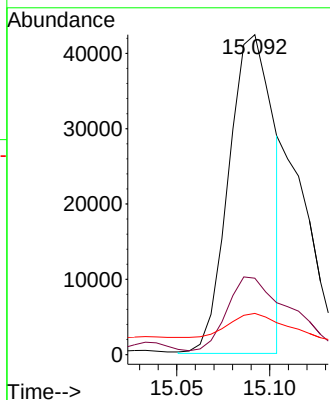
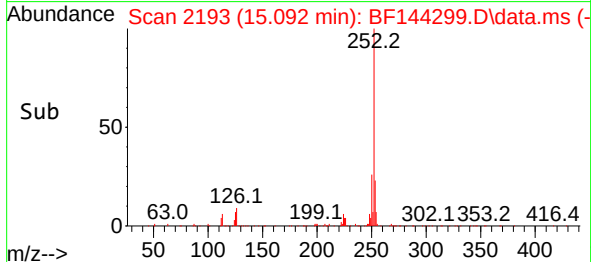
Instrument :
BNA_F
ClientSampleId :
ETGI-354



Tgt Ion:252 Resp: 70539
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 12.9 5.3 7.9

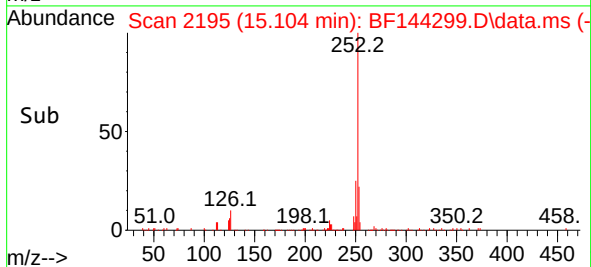
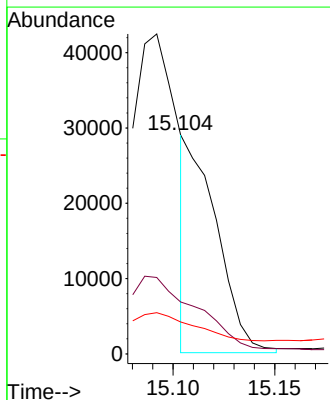
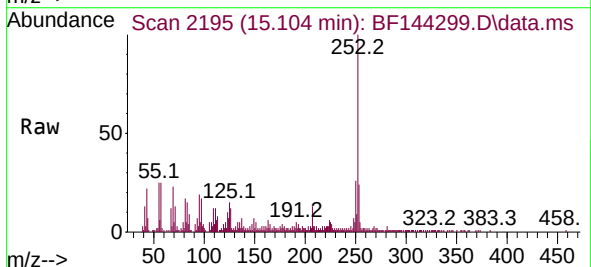
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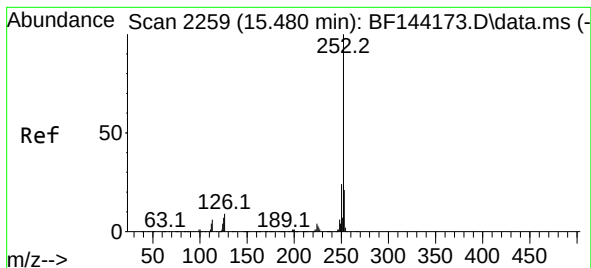
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#89
Benzo(k)fluoranthene
Concen: 5.554 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:252 Resp: 29263
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 14.6 5.4 8.2





#90

Benzo(a)pyrene

Concen: 8.595 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ETGI-354

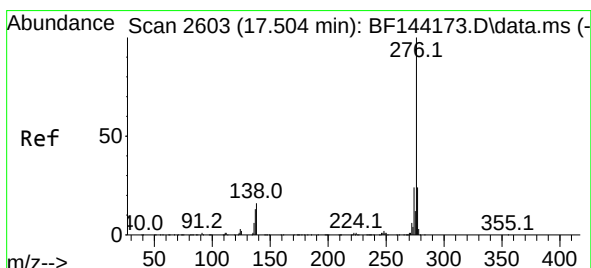
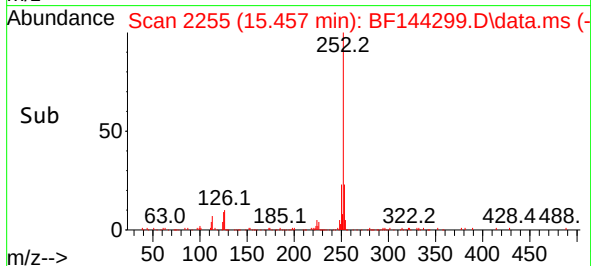
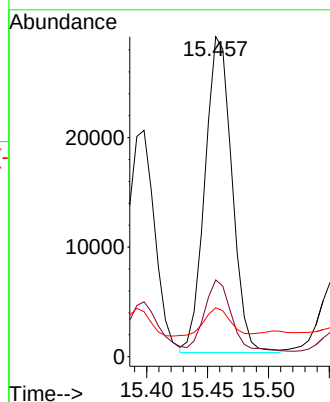
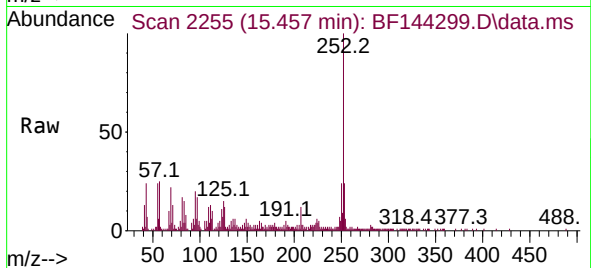
Tgt Ion:252 Resp: 44632

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.7	25.1
125	15.3	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#92

Benzo(g,h,i)perylene

Concen: 3.600 ng

RT: 17.468 min Scan# 2597

Delta R.T. -0.024 min

Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

Tgt Ion:276 Resp: 20294

Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.0	28.4
138	21.8	12.9	19.3

