

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121525\
 Data File : BP026333.D
 Acq On : 15 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3854-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-360

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

Quant Time: Dec 16 00:56:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 14:15:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.648	152	219081	20.000	ng	0.00
21) Naphthalene-d8	10.407	136	803929	20.000	ng	0.00
39) Acenaphthene-d10	14.278	164	493200	20.000	ng	0.00
64) Phenanthrene-d10	17.089	188	933231	20.000	ng	0.00
76) Chrysene-d12	21.530	240	1013548	20.000	ng	0.00
86) Perylene-d12	24.830	264	1261225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	964998	70.817	ng	0.00
7) Phenol-d6	6.837	99	1104554	64.203	ng	0.00
23) Nitrobenzene-d5	8.784	82	670434	47.215	ng	0.00
42) 2,4,6-Tribromophenol	15.801	330	467816	71.374	ng	0.00
45) 2-Fluorobiphenyl	12.883	172	1624402	47.617	ng	0.00
79) Terphenyl-d14	19.824	244	2427821	47.725	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.130	178	214063	4.050	ng	100
75) Fluoranthene	19.230	202	559231	8.736	ng	98
78) Pyrene	19.607	202	527919	7.802	ng	99
81) Benzo(a)anthracene	21.512	228	301367	4.313	ng	95
83) Chrysene	21.577	228	360227	5.460	ng	98
84) Bis(2-ethylhexyl)phtha...	21.465	149	157612	3.567	ng	# 97
87) Indeno(1,2,3-cd)pyrene	28.559	276	286384	3.013	ng	93
88) Benzo(b)fluoranthene	23.789	252	571507	7.383	ng	99
89) Benzo(k)fluoranthene	23.848	252	176944m	2.275	ng	
90) Benzo(a)pyrene	24.677	252	374498	5.113	ng	97
92) Benzo(g,h,i)perylene	29.688	276	286607	3.709	ng	96

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

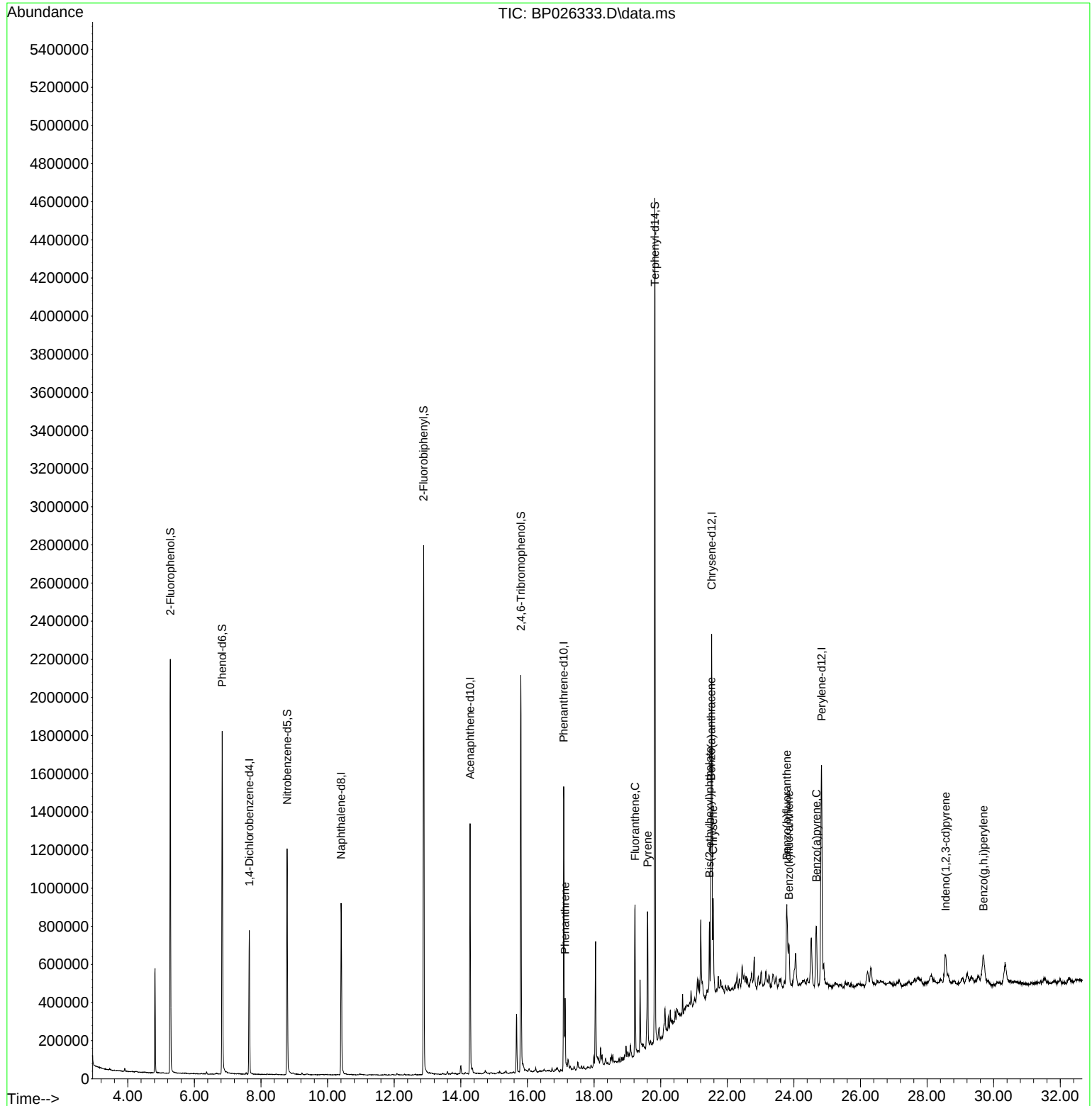
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Data File : BP026333.D
Acq On : 15 Dec 2025 20:18
Operator : RC/JU
Sample : Q3854-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

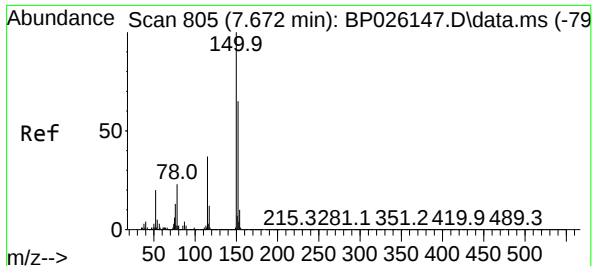
Instrument :
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Quant Time: Dec 16 00:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
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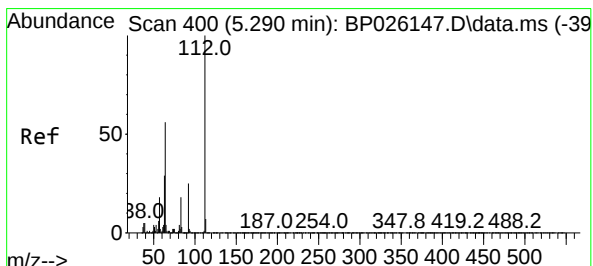
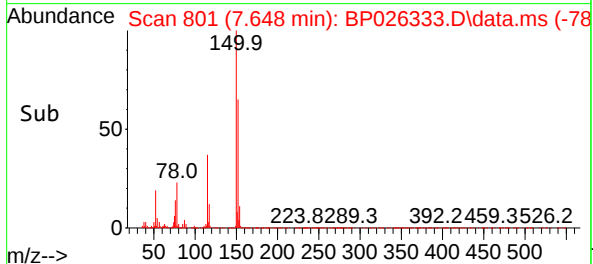
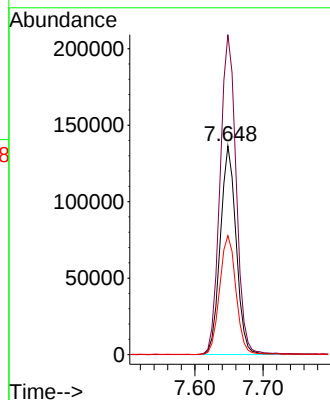
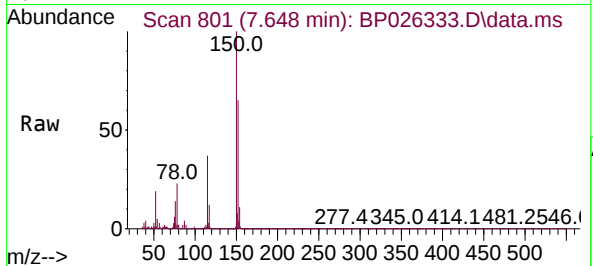
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.648 min Scan# 805
Delta R.T. -0.007 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion:152 Resp: 219081
Ion Ratio Lower Upper
152 100
150 153.3 123.0 184.6
115 57.0 46.3 69.5

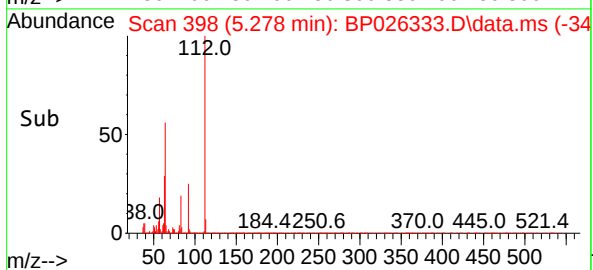
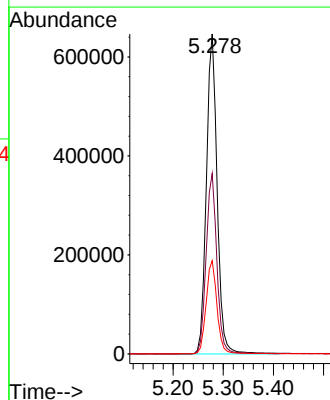
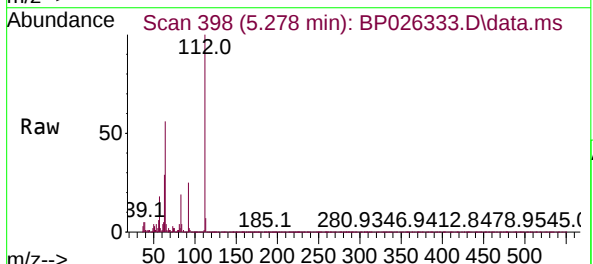
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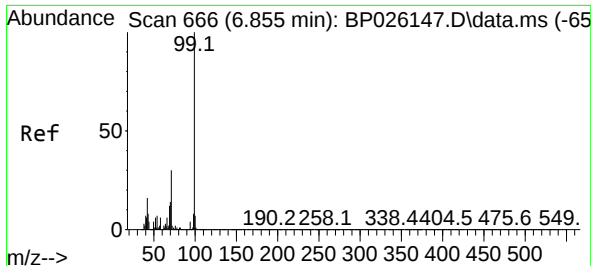
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#5
2-Fluorophenol
Concen: 70.817 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.000 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

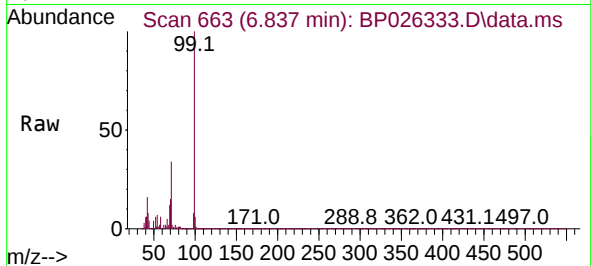
Tgt Ion:112 Resp: 964998
Ion Ratio Lower Upper
112 100
64 56.4 45.8 68.6
63 29.1 23.5 35.3





#7
Phenol-d6
Concen: 64.203 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

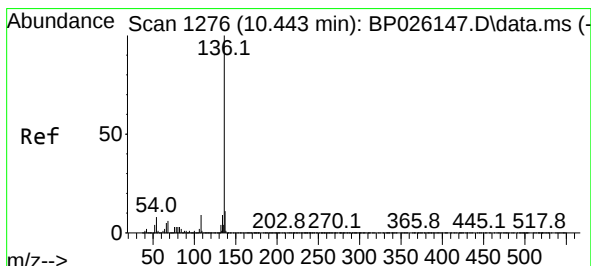
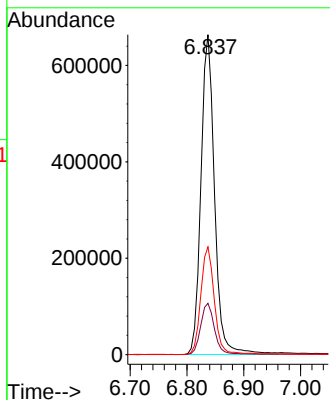
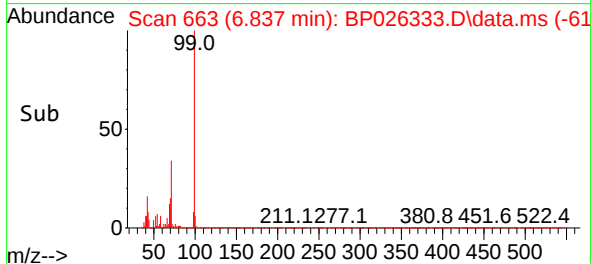
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 1104554
Ion Ratio Lower Upper
99 100
42 16.0 12.9 19.3
71 33.7 24.8 37.2

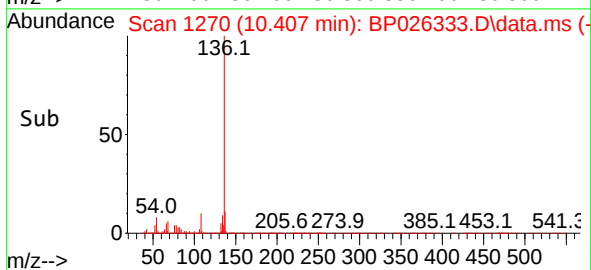
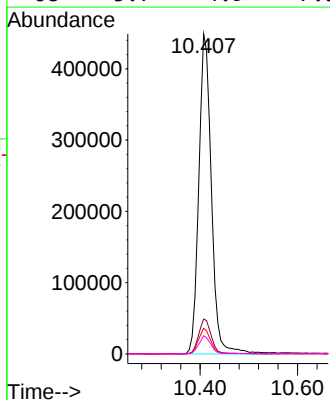
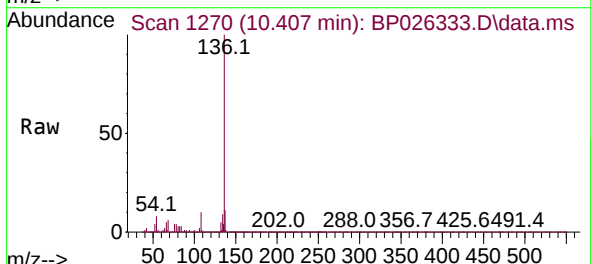
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Tgt Ion:136 Resp: 803929
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.0 6.4 9.6
68 5.7 4.9 7.3





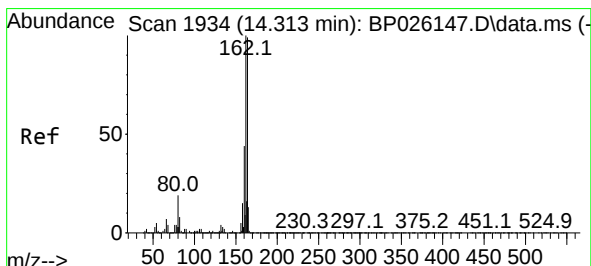
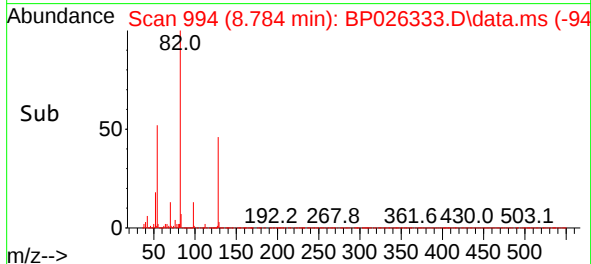
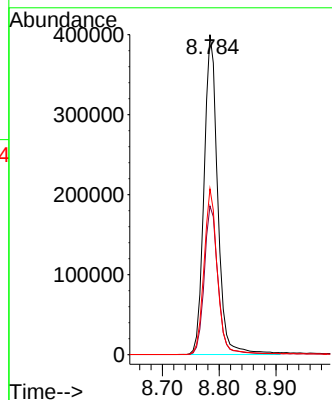
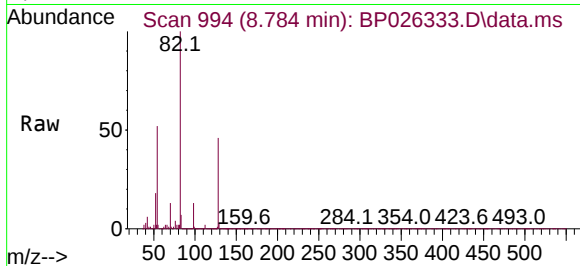
#23
Nitrobenzene-d5
Concen: 47.215 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion: 82 Resp: 670434
Ion Ratio Lower Upper
82 100
128 46.4 37.4 56.0
54 51.8 41.6 62.4

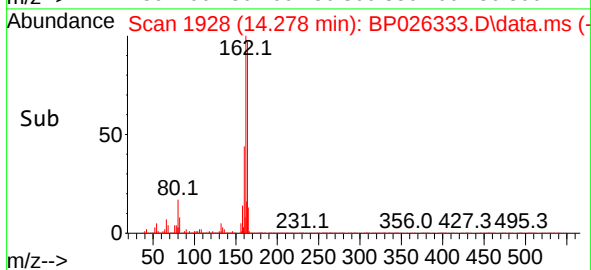
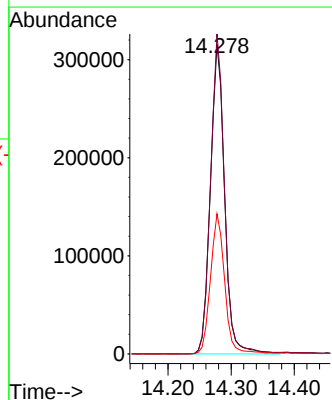
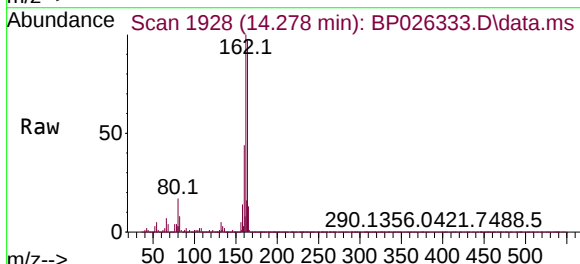
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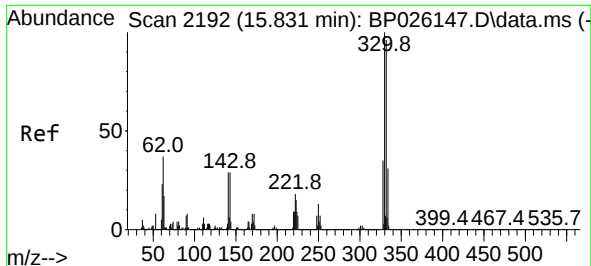
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

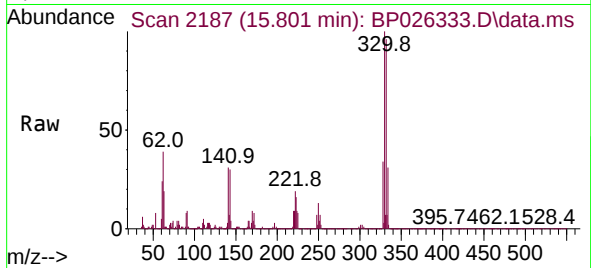
Tgt Ion:164 Resp: 493200
Ion Ratio Lower Upper
164 100
162 103.4 80.3 120.5
160 45.3 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 71.374 ng
RT: 15.801 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

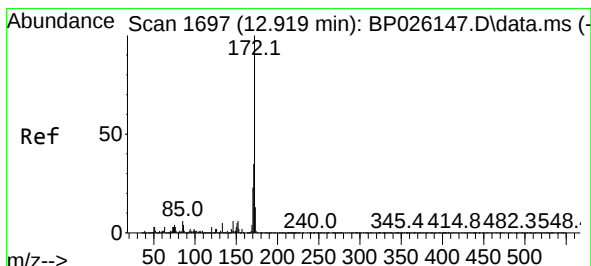
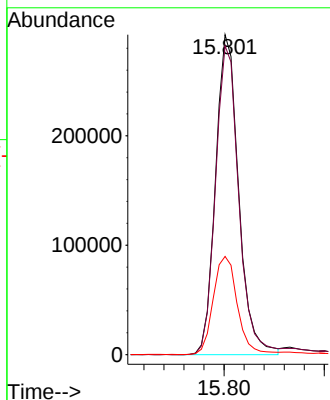
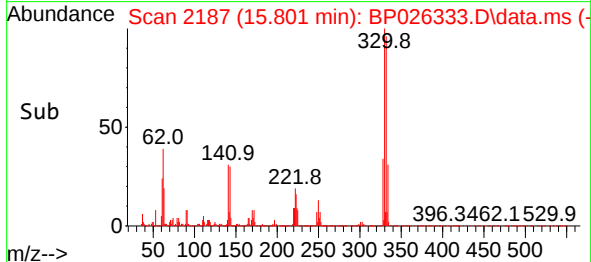
Instrument :
BNA_P
ClientSampleId :
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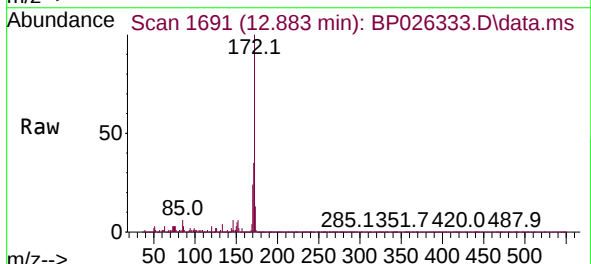
Tgt Ion: 330 Resp: 467816
Ion Ratio Lower Upper
330 100
332 100.2 78.0 117.0
141 32.8 26.8 40.2

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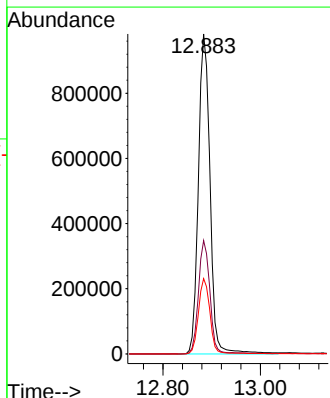
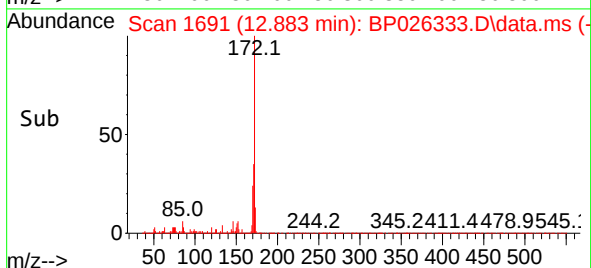
Reviewed By :Rahul Chavli 12/16/2025
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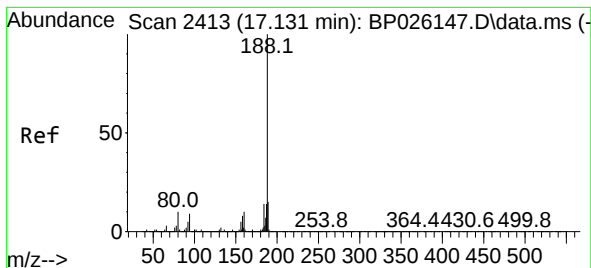


#45
2-Fluorobiphenyl
Concen: 47.617 ng
RT: 12.883 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18



Tgt Ion: 172 Resp: 1624402
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.6 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.089 min Scan# 2413

Delta R.T. 0.006 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Instrument :

BNA_P

ClientSampleId :

ETGI-360

Tgt Ion:188 Resp: 933231

Ion Ratio Lower Upper

188 100

94 9.2 7.8 11.6

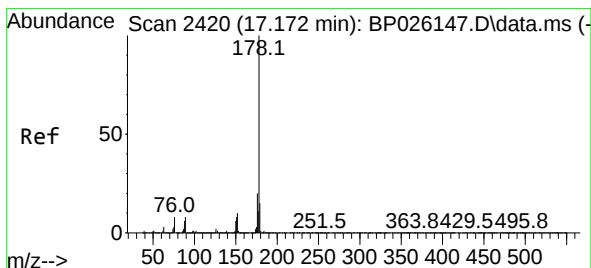
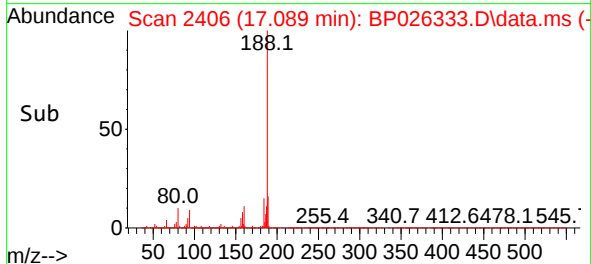
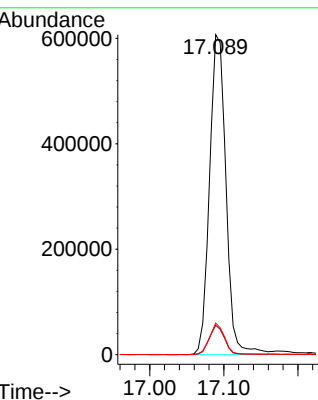
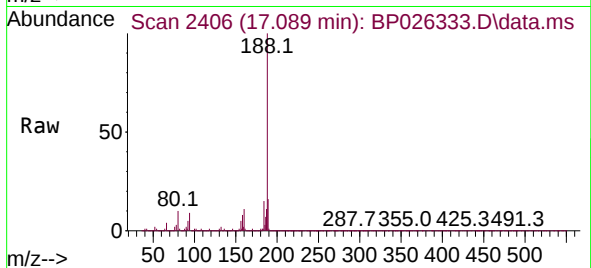
80 9.9 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#71

Phenanthrene

Concen: 4.050 ng

RT: 17.130 min Scan# 2413

Delta R.T. -0.000 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

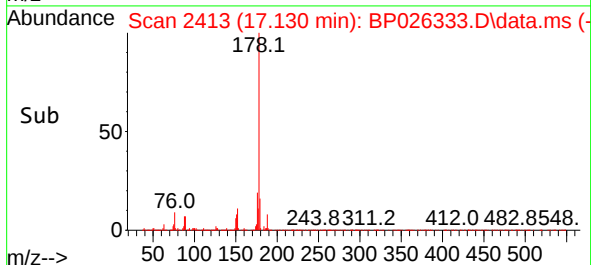
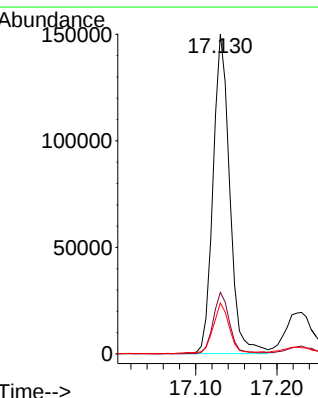
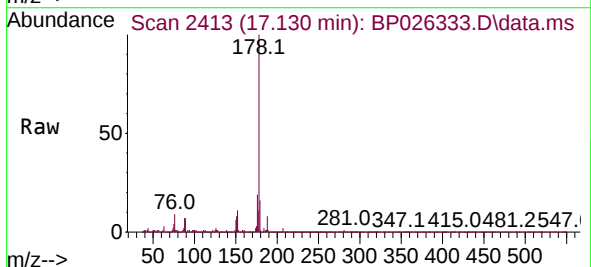
Tgt Ion:178 Resp: 214063

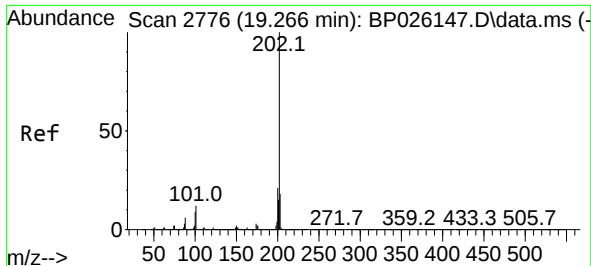
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.9 12.4 18.6





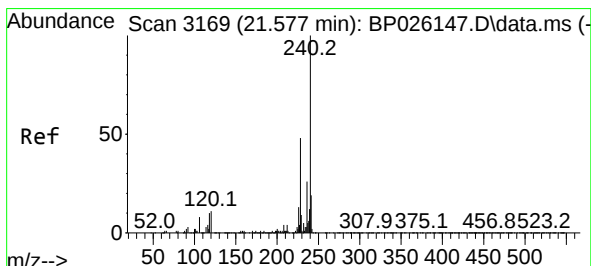
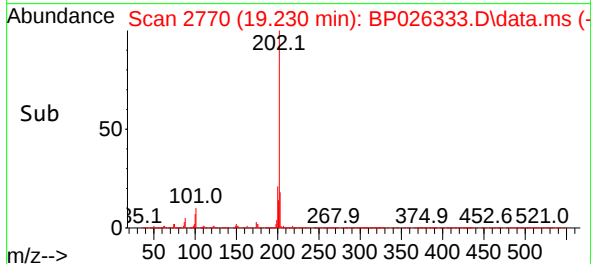
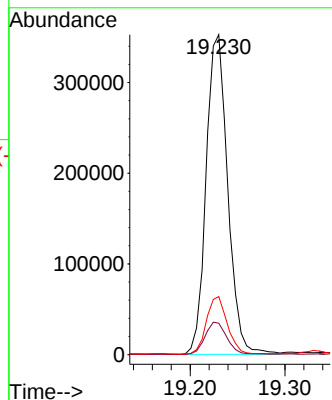
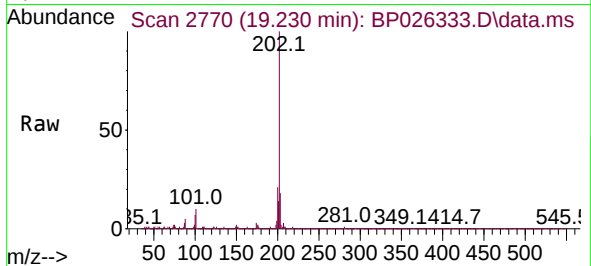
#75
Fluoranthene
Concen: 8.736 ng
RT: 19.230 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion:202 Resp: 55923
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 18.1 0.0 37.7

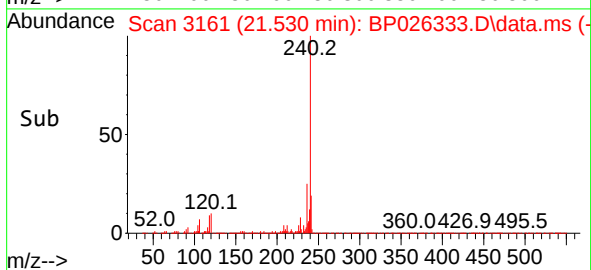
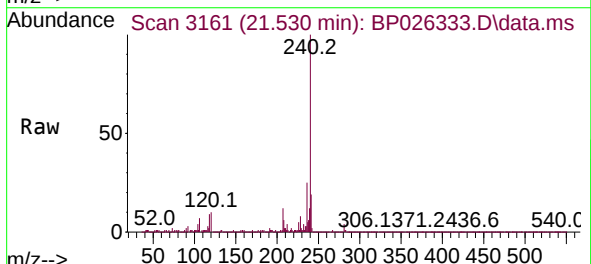
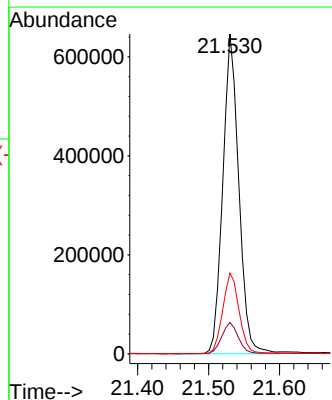
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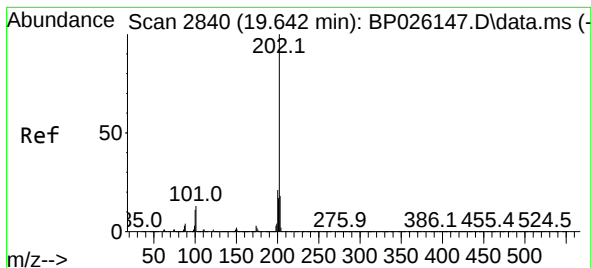
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Tgt Ion:240 Resp: 1013548
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.4
236 25.3 20.4 30.6





#78

Pyrene

Concen: 7.802 ng

RT: 19.607 min Scan# 2834

Delta R.T. 0.006 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Instrument :

BNA_P

ClientSampleId :

ETGI-360

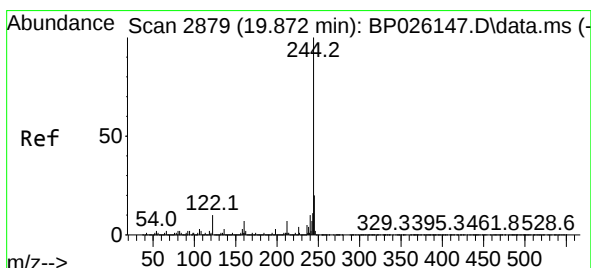
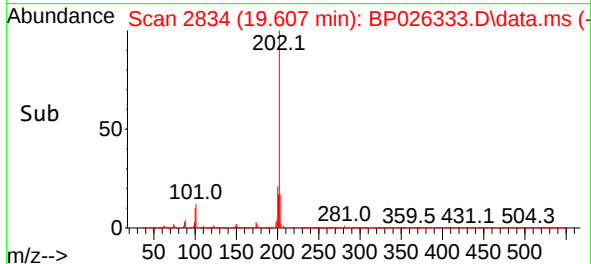
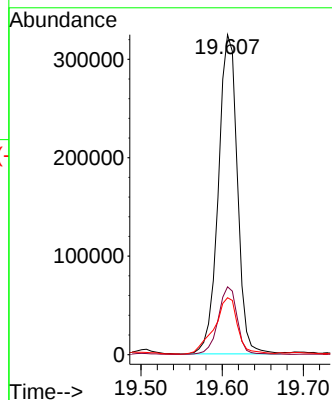
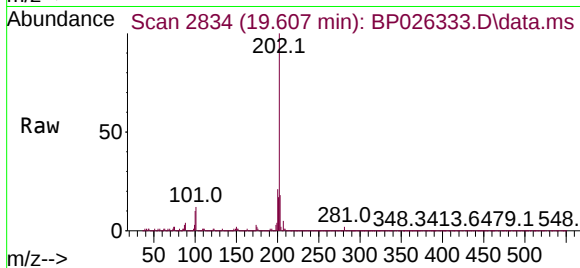
Tgt Ion:202	Resp: 527919
Ion Ratio	Lower Upper
202 100	
200 21.2	16.9 25.3
203 17.8	13.8 20.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 47.725 ng

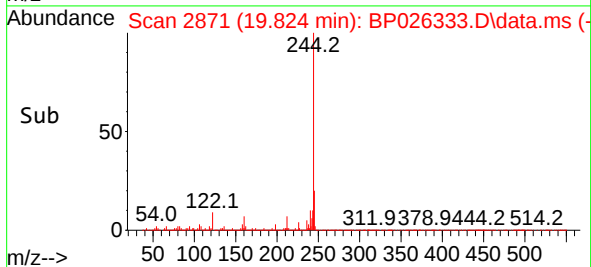
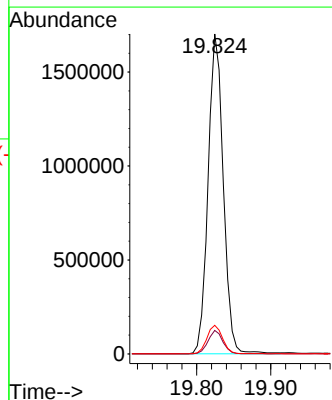
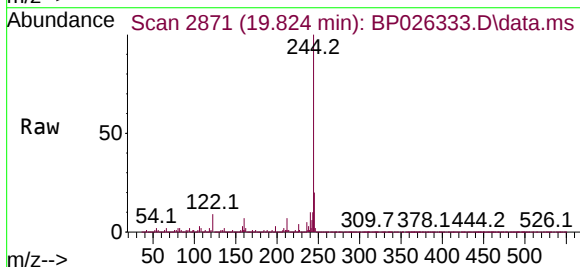
RT: 19.824 min Scan# 2871

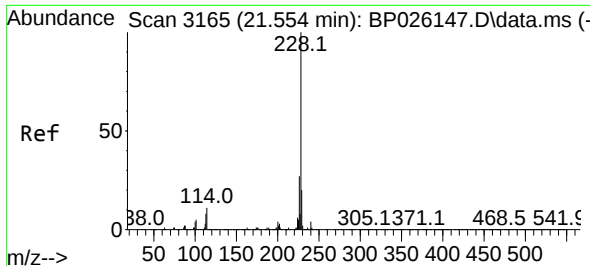
Delta R.T. -0.000 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Tgt Ion:244	Resp: 2427821
Ion Ratio	Lower Upper
244 100	
212 7.3	5.8 8.8
122 8.9	8.2 12.2





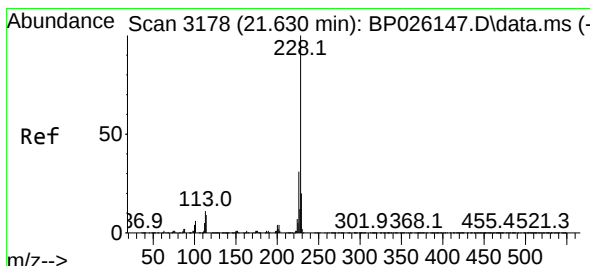
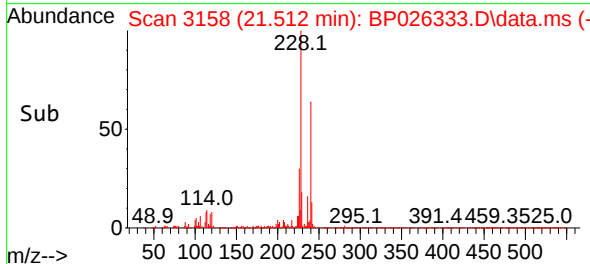
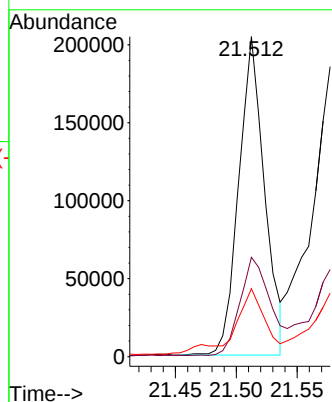
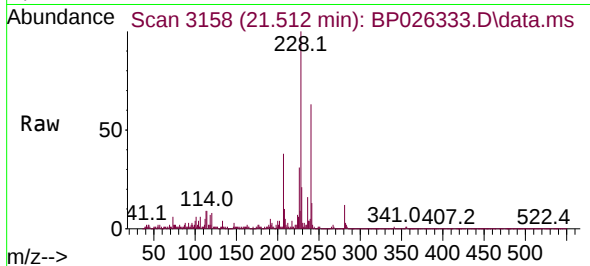
#81
Benzo(a)anthracene
Concen: 4.313 ng
RT: 21.512 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion:228 Resp: 301362
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.8
229 21.2 15.9 23.9

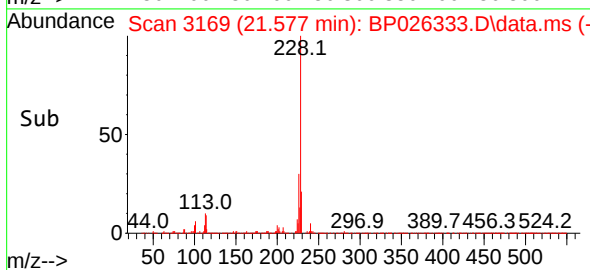
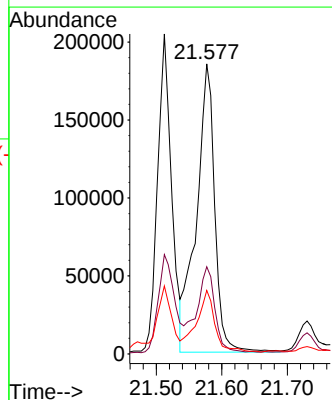
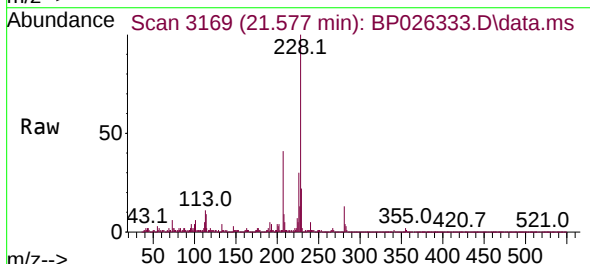
Manual Integrations
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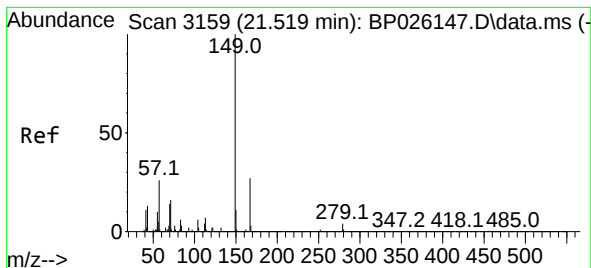
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#83
Chrysene
Concen: 5.460 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Tgt Ion:228 Resp: 360227
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 21.9 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.567 ng
RT: 21.465 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Instrument :

BNA_P

ClientSampleId :

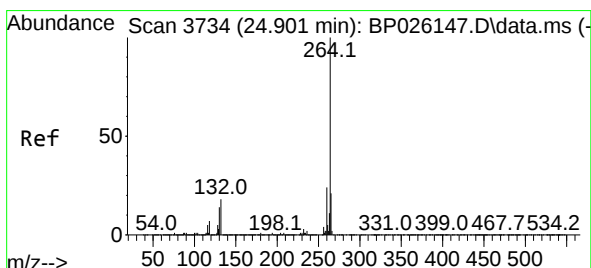
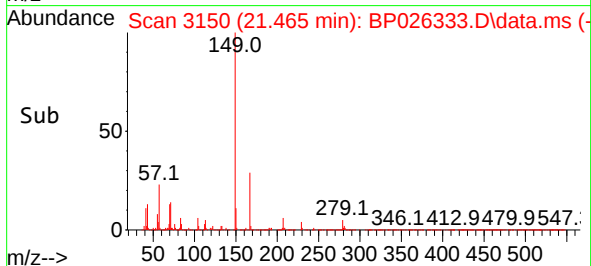
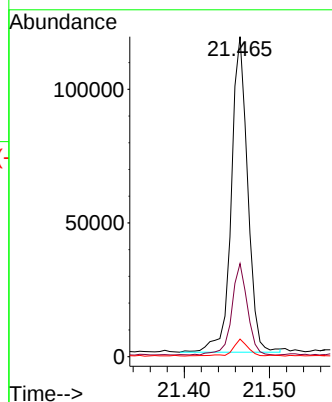
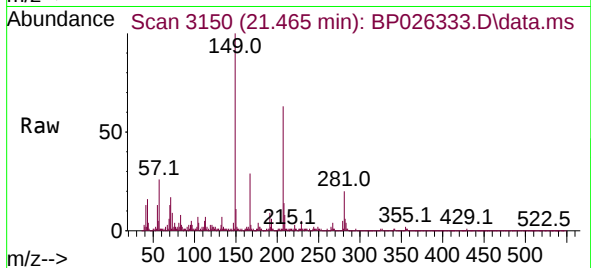
ETGI-360

Tgt Ion:149 Resp: 157612
Ion Ratio Lower Upper
149 100
167 29.1 22.1 33.1
279 5.5 3.3 4.9

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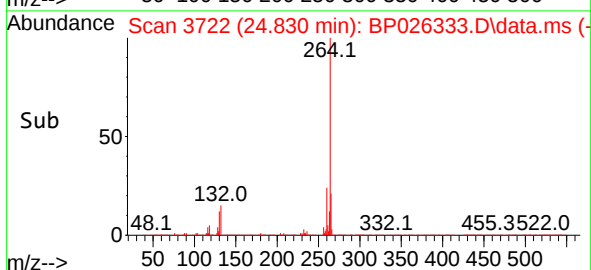
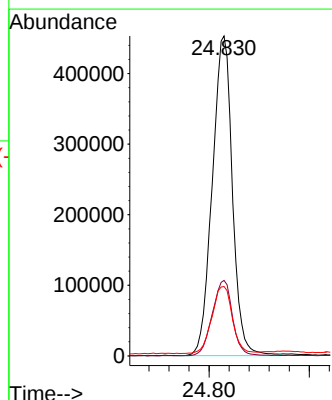
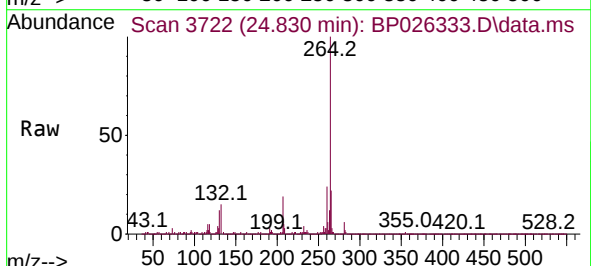
APPROVED

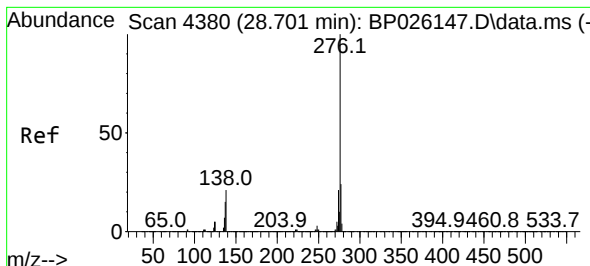
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP026333.D
Acq: 15 Dec 2025 20:18

Tgt Ion:264 Resp: 1261225
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.013 ng

RT: 28.559 min Scan# 4380

Delta R.T. 0.006 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Instrument :

BNA_P

ClientSampleId :

ETGI-360

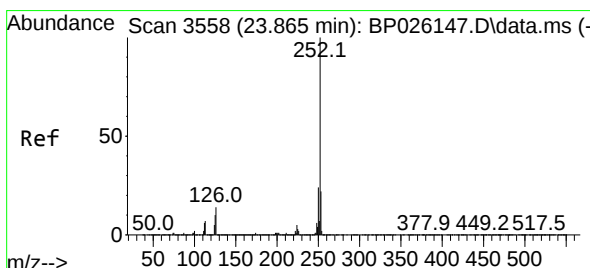
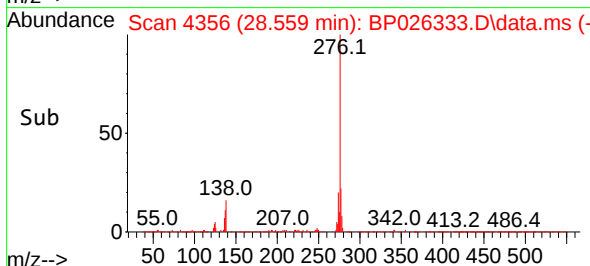
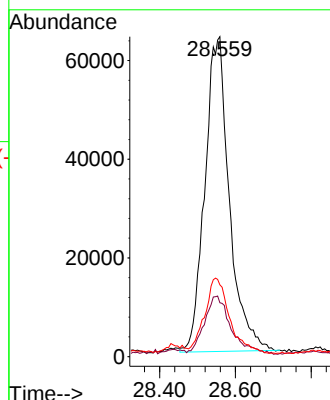
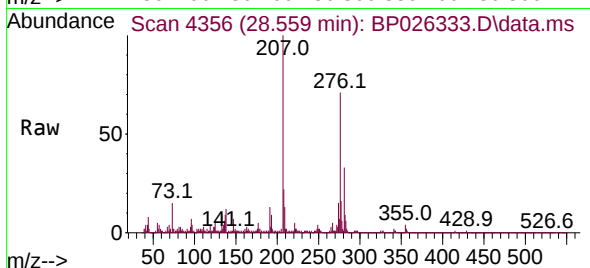
Tgt Ion:	276	Resp:	286384
Ion Ratio	Lower	Upper	
276	100		
138	20.3	13.8	20.8
277	24.4	16.7	25.1

Manual Integrations

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Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#88

Benzo(b)fluoranthene

Concen: 7.383 ng

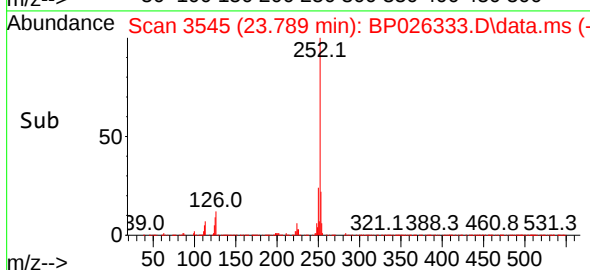
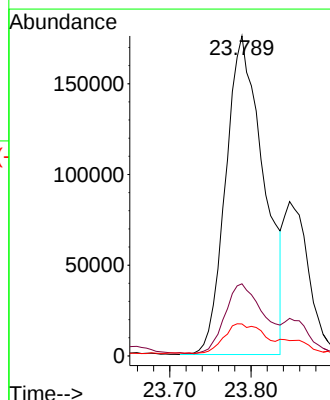
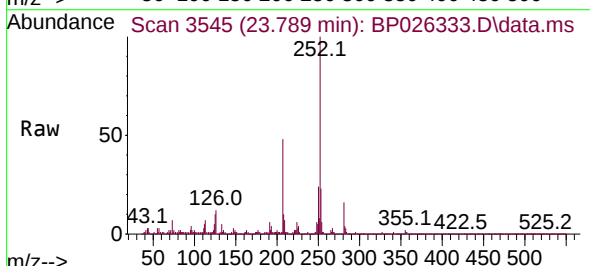
RT: 23.789 min Scan# 3545

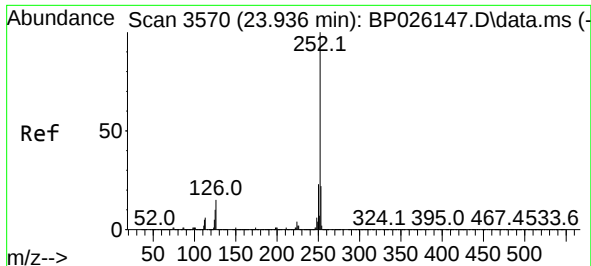
Delta R.T. -0.006 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Tgt Ion:	252	Resp:	571507
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	10.0	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 2.275 ng m

RT: 23.848 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Instrument :

BNA_P

ClientSampleId :

ETGI-360

Tgt Ion:252 Resp: 176944

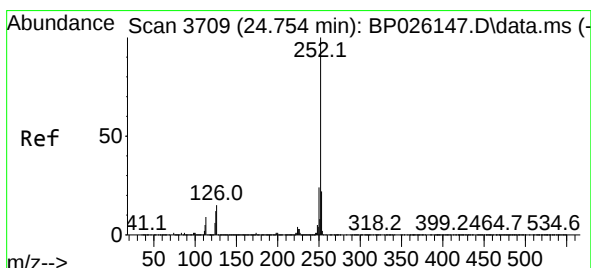
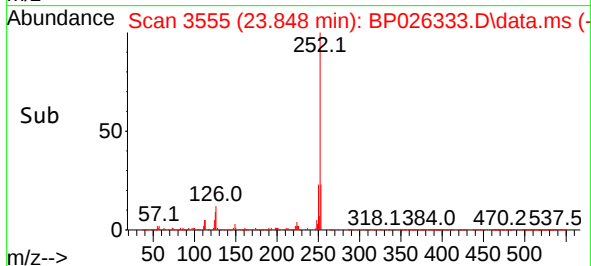
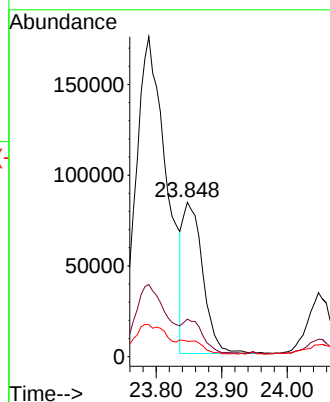
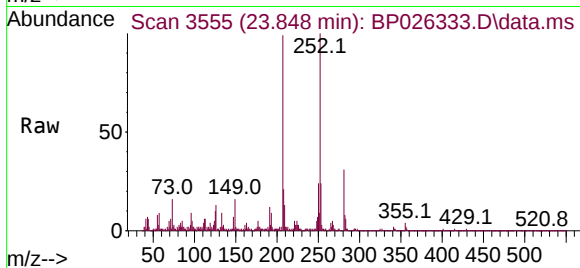
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	9.9	7.5	11.3

Manual Integrations

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Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#90

Benzo(a)pyrene

Concen: 5.113 ng

RT: 24.677 min Scan# 3696

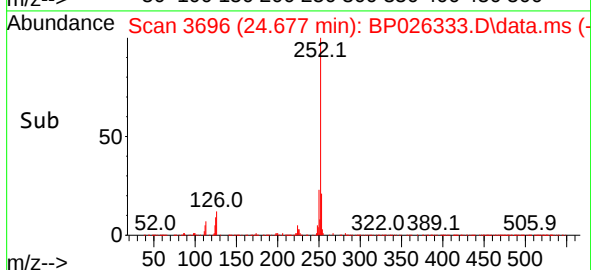
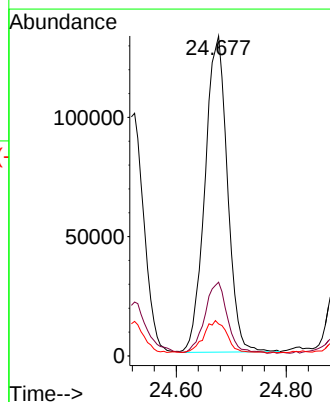
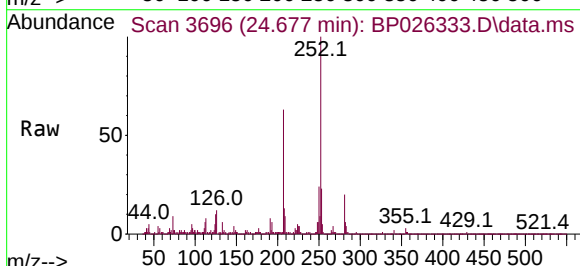
Delta R.T. -0.006 min

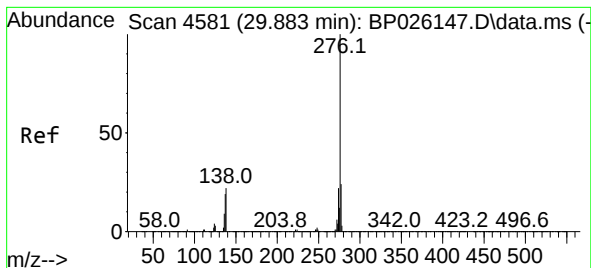
Lab File: BP026333.D

Acq: 15 Dec 2025 20:18

Tgt Ion:252 Resp: 374498

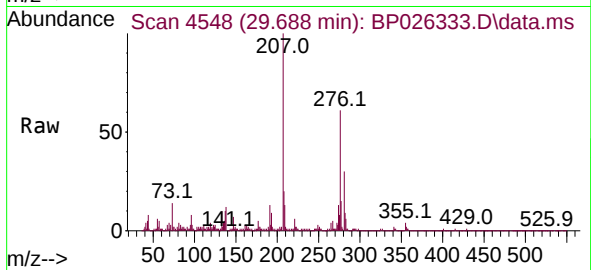
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.0	9.0	13.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.709 ng
 RT: 29.688 min Scan# 4548
 Delta R.T. -0.024 min
 Lab File: BP026333.D
 Acq: 15 Dec 2025 20:18

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-360



Tgt Ion: 276 Resp: 286607

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	19.4	17.8	26.6

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

