

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142035.D
 Acq On : 21 Mar 2025 17:50
 Operator : RC/JU
 Sample : Q1610-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

Quant Time: Mar 21 18:15:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	138826	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	530479	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	270306	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	387223	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	291241	20.000	ng	0.00
86) Perylene-d12	15.504	264	329187	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	720621	86.633	ng	0.00
7) Phenol-d6	6.492	99	900453	85.022	ng	-0.01
23) Nitrobenzene-d5	7.434	82	600354	63.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	255485	74.503	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1206077	67.857	ng	-0.01
79) Terphenyl-d14	12.980	244	945574	48.001	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.604	202	85998	3.876	ng	98
78) Pyrene	12.833	202	69987	2.778	ng	98
81) Benzo(a)anthracene	14.021	228	43276	2.264	ng	100
83) Chrysene	14.057	228	42146	2.433	ng	97
88) Benzo(b)fluoranthene	15.074	252	82760m	3.668	ng	
90) Benzo(a)pyrene	15.439	252	47068	2.666	ng	# 91

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

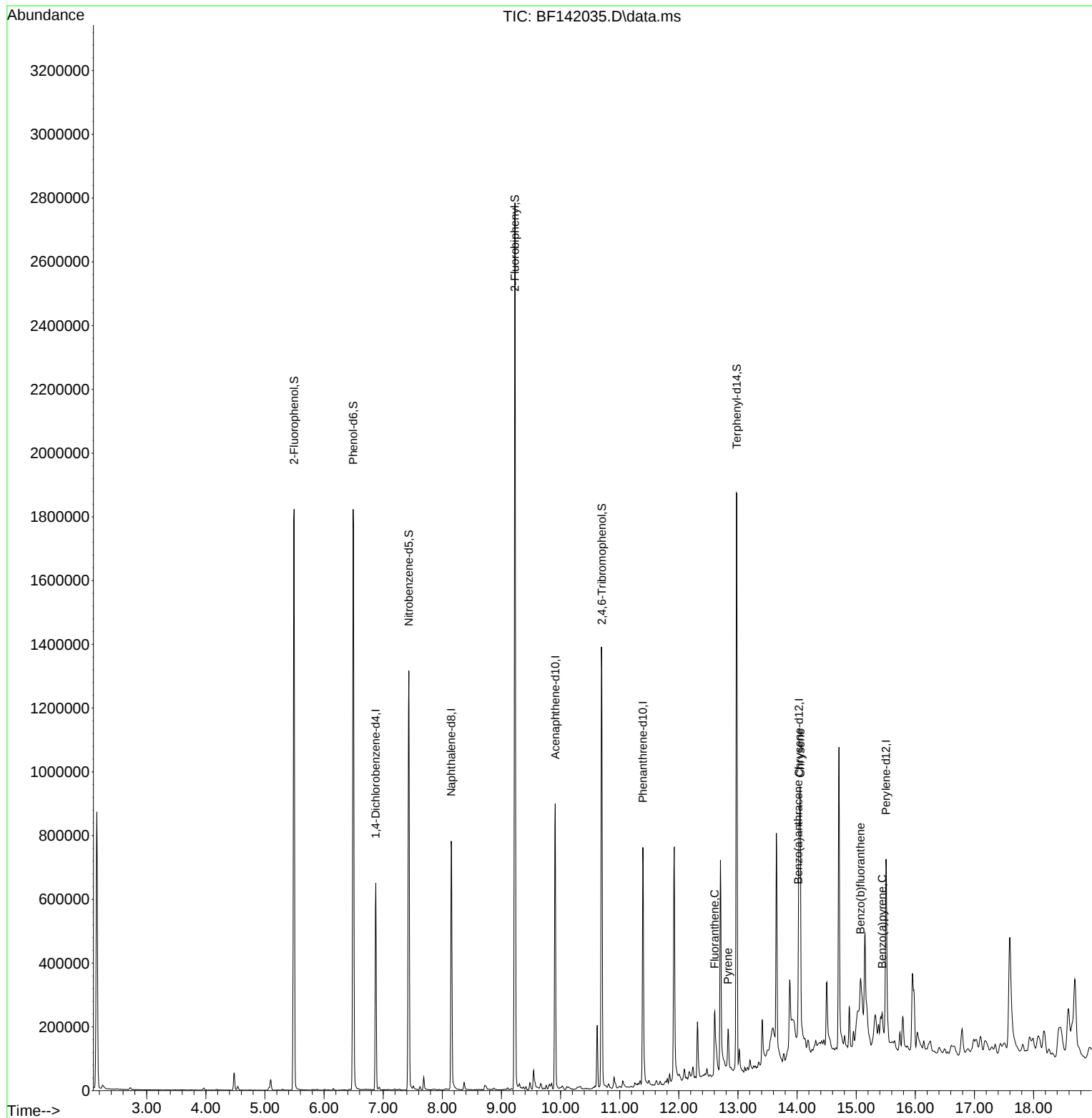
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
Data File : BF142035.D
Acq On : 21 Mar 2025 17:50
Operator : RC/JU
Sample : Q1610-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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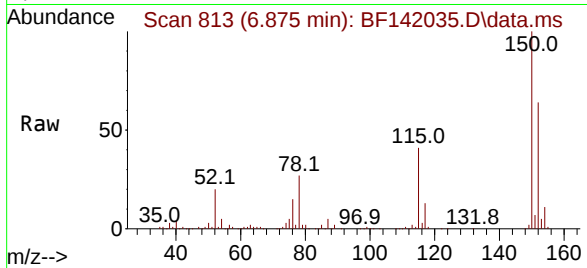
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

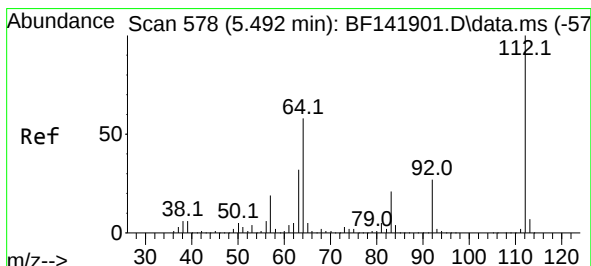
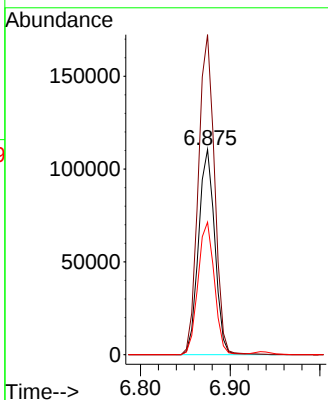
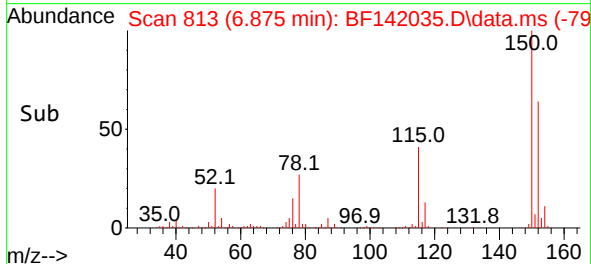
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE



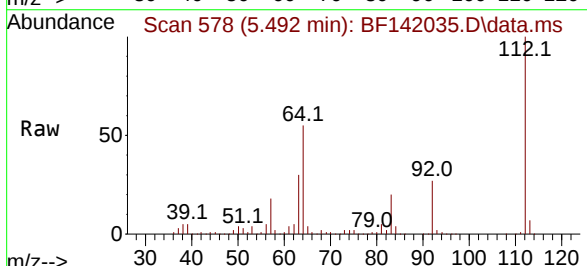
Tgt Ion:152 Resp: 138820
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 64.5 51.9 77.9

Manual Integrations
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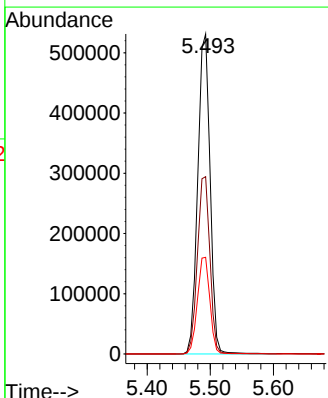
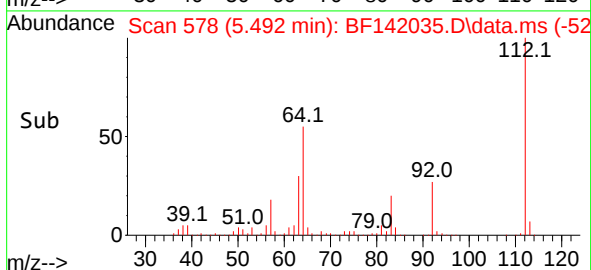
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#5
2-Fluorophenol
Concen: 86.633 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50



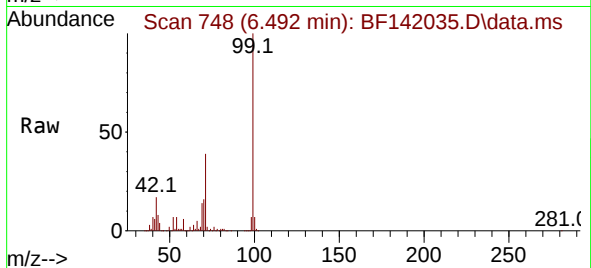
Tgt Ion:112 Resp: 720621
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.2 25.4 38.2





#7
Phenol-d6
Concen: 85.022 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

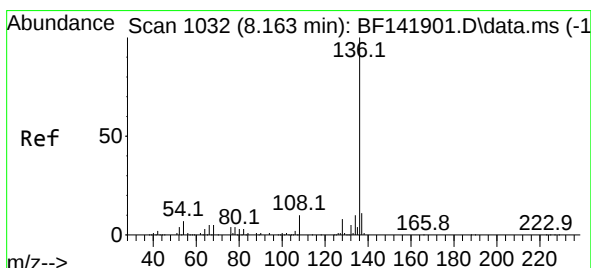
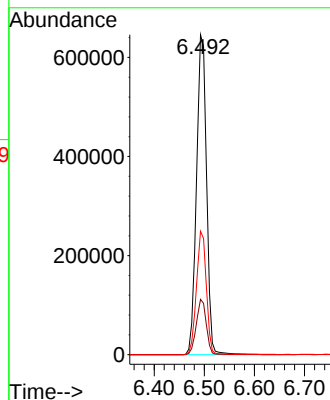
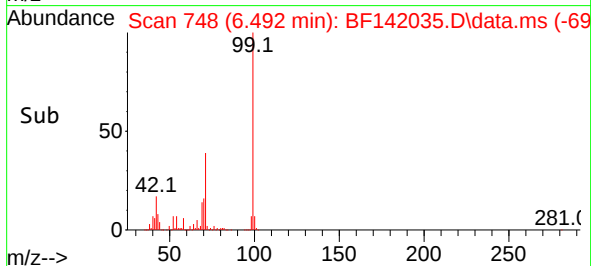
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE



Tgt Ion: 99 Resp: 90045
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 38.6 30.8 46.2

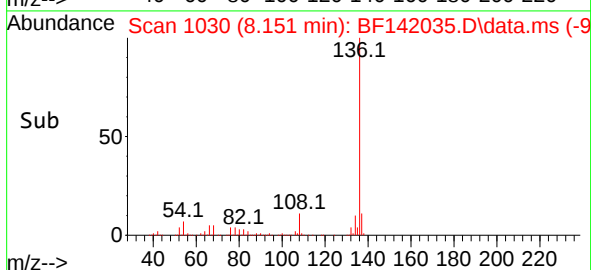
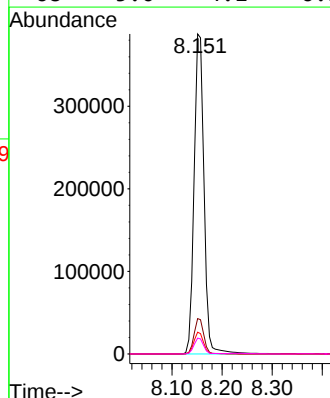
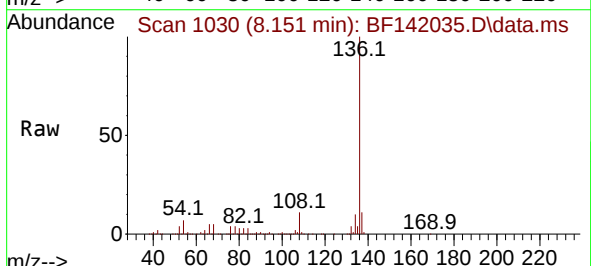
Manual Integrations
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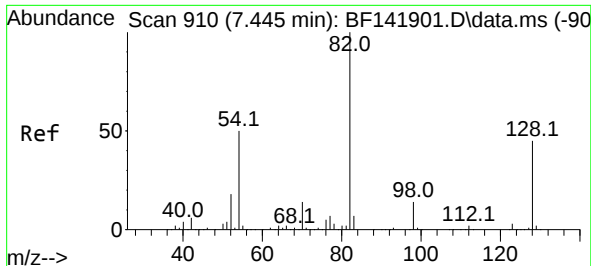
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

Tgt Ion:136 Resp: 530479
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.8 5.8 8.8
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 63.689 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142035.D

Acq: 21 Mar 2025 17:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

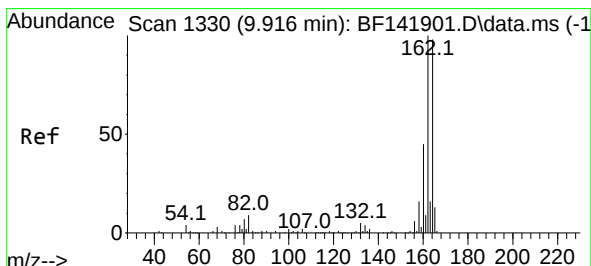
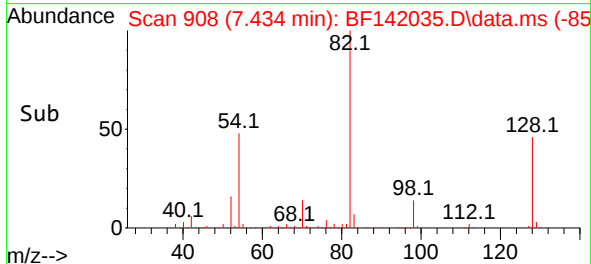
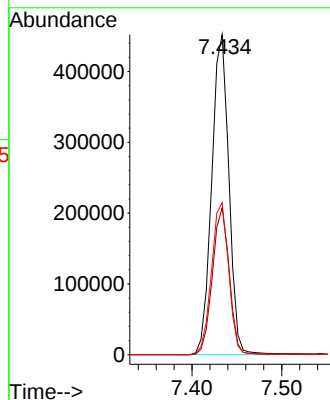
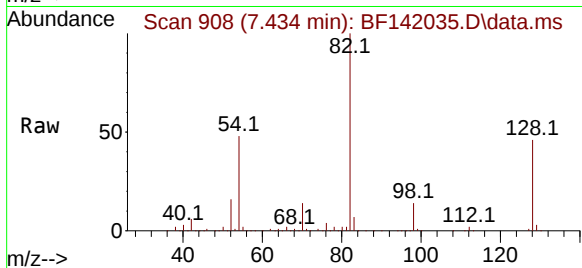
Tgt Ion: 82 Resp: 600354

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.0	54.0
54	47.5	39.6	59.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

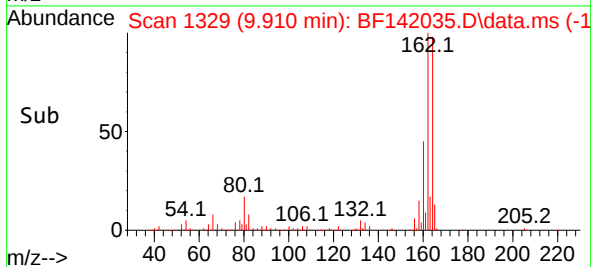
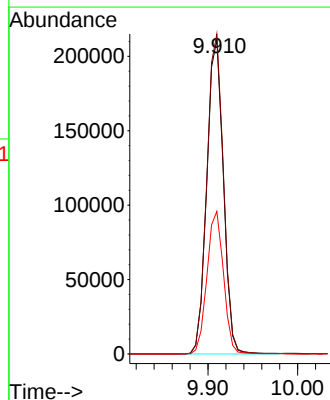
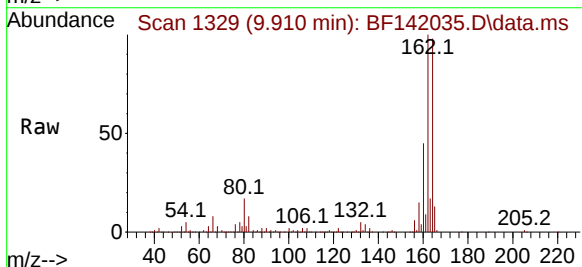
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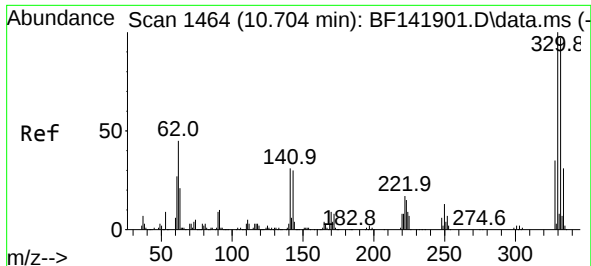
Lab File: BF142035.D

Acq: 21 Mar 2025 17:50

Tgt Ion:164 Resp: 270306

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	45.3	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 74.503 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

Instrument :

BNA_F

ClientSampleId :

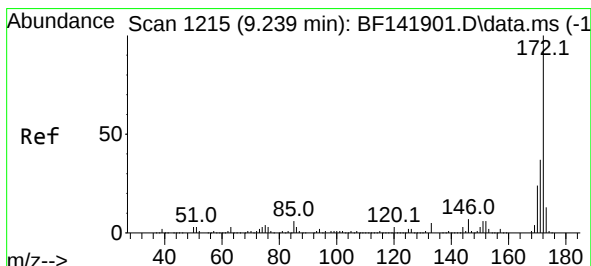
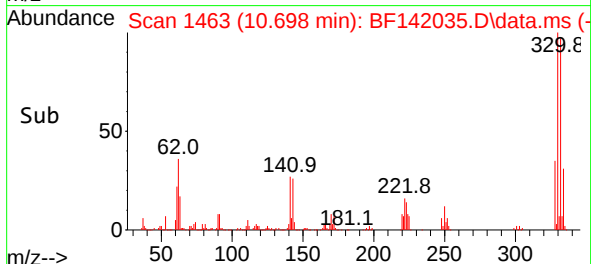
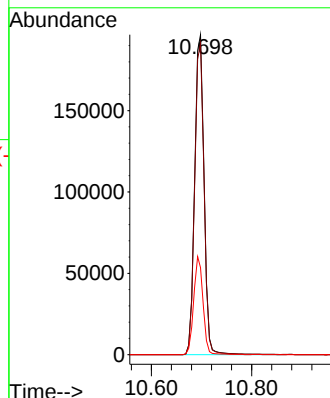
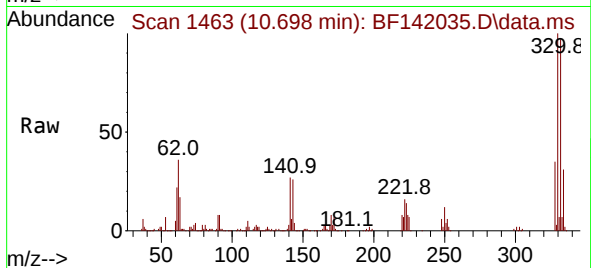
SOIL-PILE

Tgt Ion:330 Resp: 25548
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 30.3 24.7 37.1

Manual Integrations

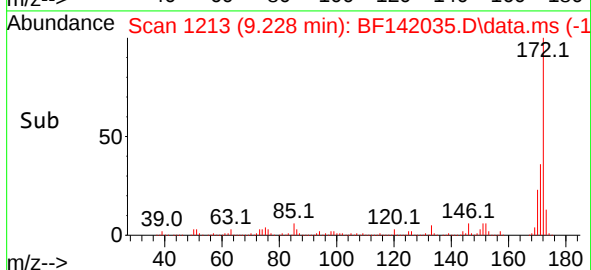
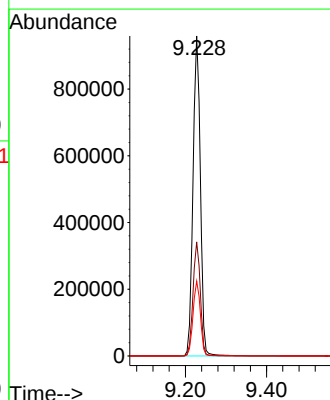
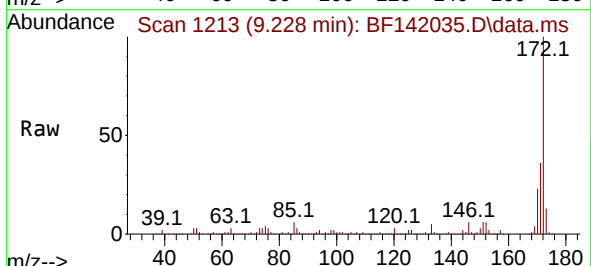
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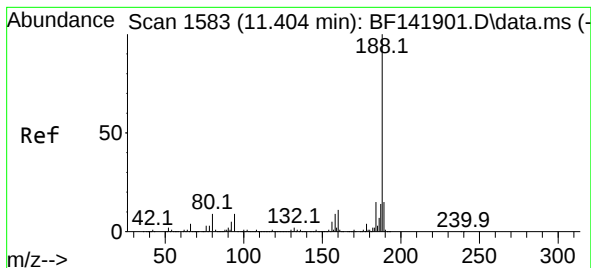
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#45
2-Fluorobiphenyl
Concen: 67.857 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

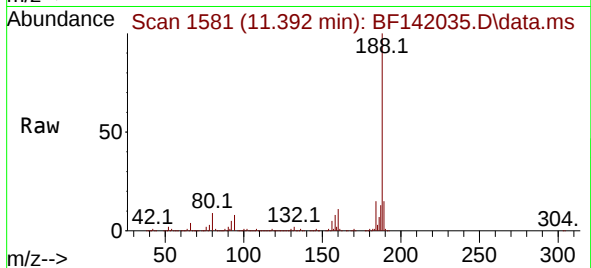
Tgt Ion:172 Resp: 1206077
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.4 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

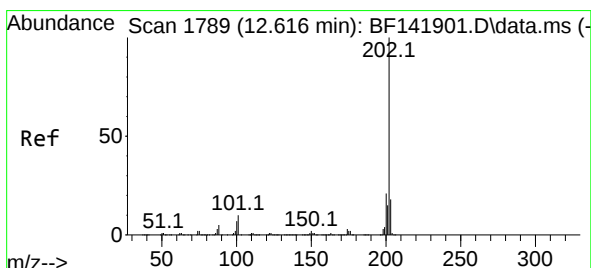
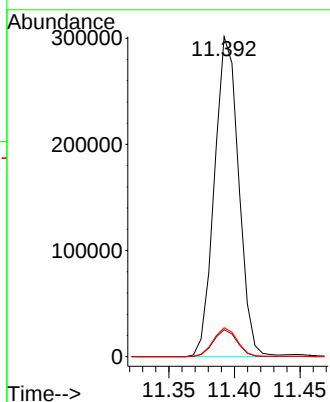
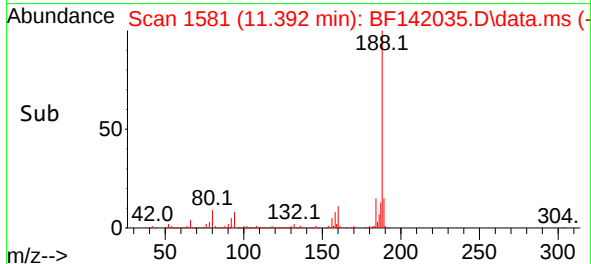
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 38722
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.1 7.6 11.4

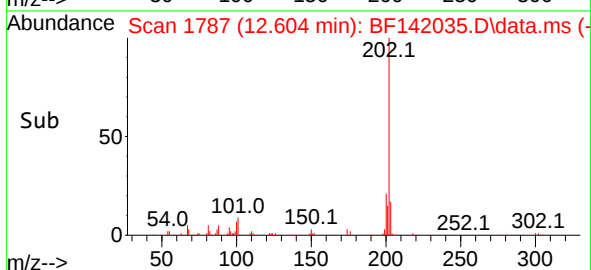
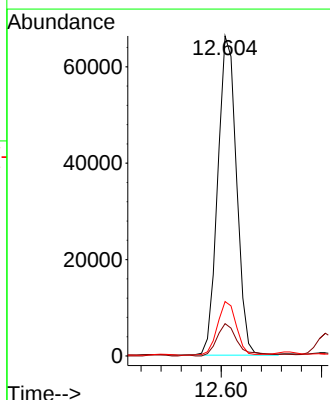
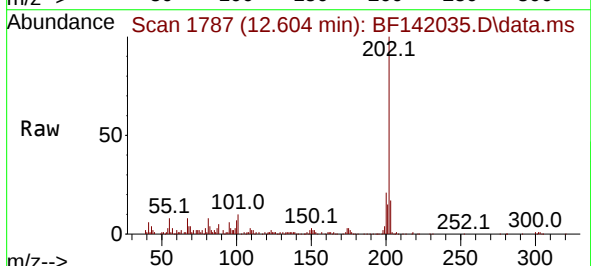
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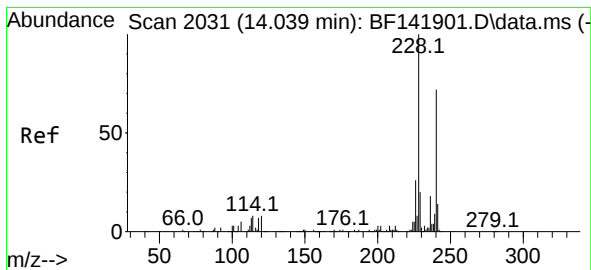
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#75
Fluoranthene
Concen: 3.876 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

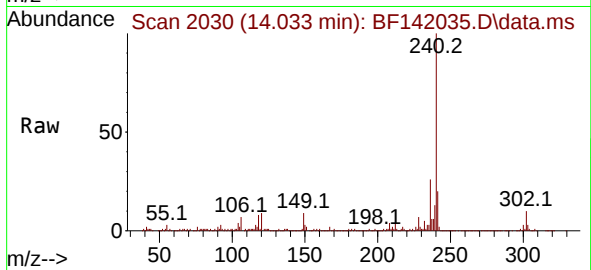
Tgt Ion:202 Resp: 85998
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.7
203 17.0 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50

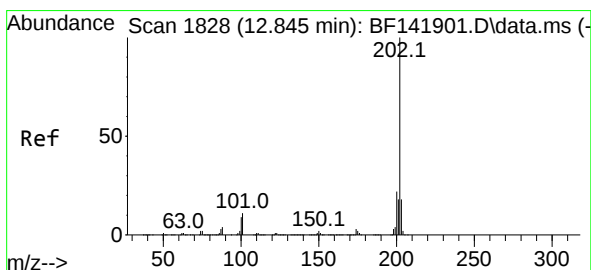
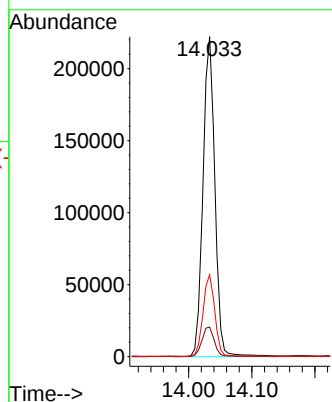
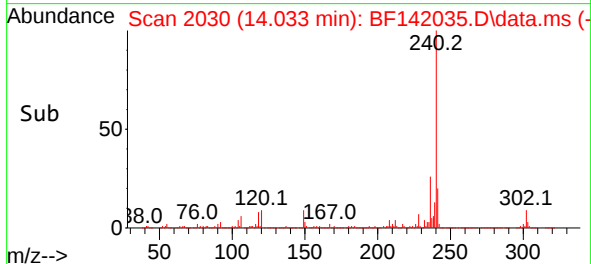
Instrument :
BNA_F
ClientSampleId :
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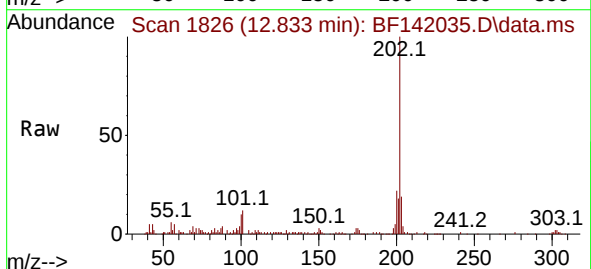
Tgt Ion:240 Resp: 29124
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.6 20.5 30.7

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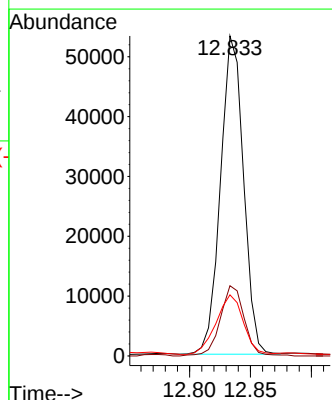
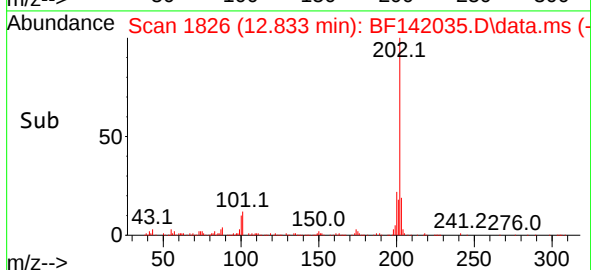
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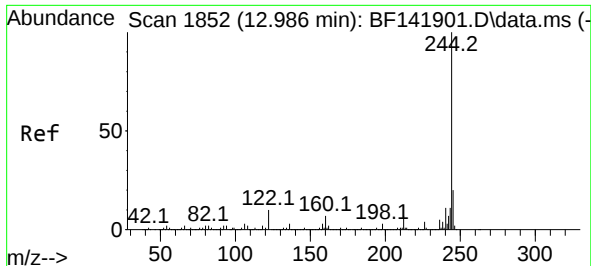


#78
Pyrene
Concen: 2.778 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142035.D
Acq: 21 Mar 2025 17:50



Tgt Ion:202 Resp: 69987
Ion Ratio Lower Upper
202 100
200 22.0 17.3 25.9
203 19.1 14.4 21.6





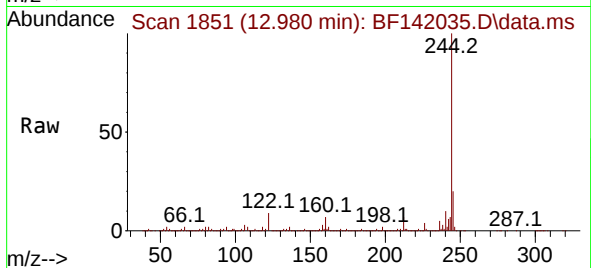
#79
 Terphenyl-d14
 Concen: 48.001 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142035.D
 Acq: 21 Mar 2025 17:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

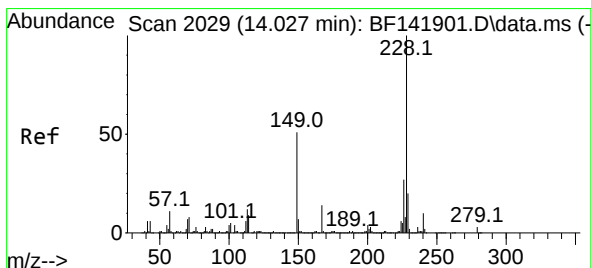
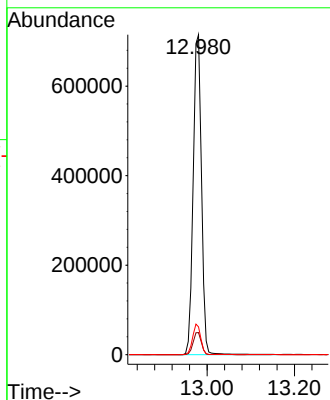
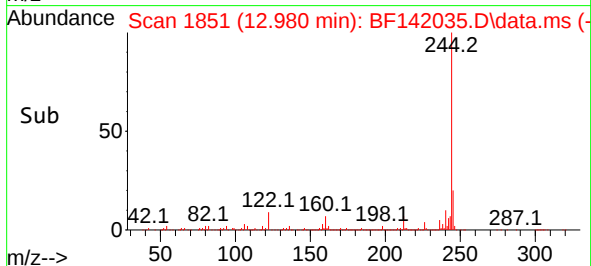


Tgt Ion:244 Resp: 945574
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.7 7.7 11.5

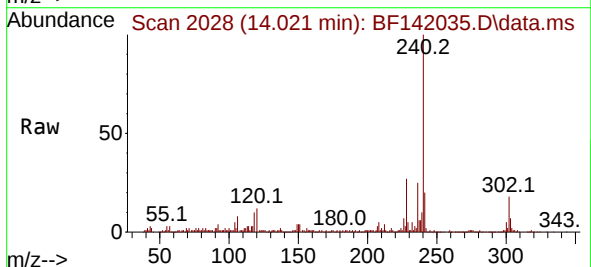
Manual Integrations

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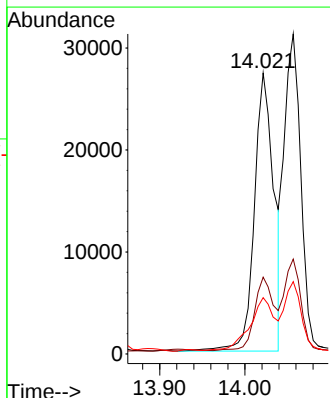
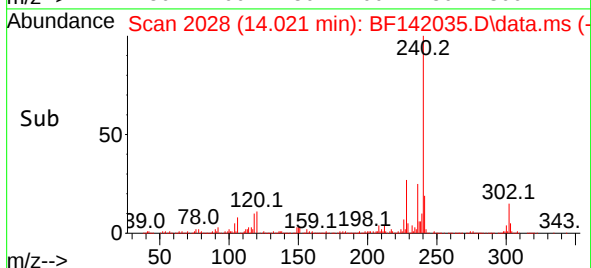
Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

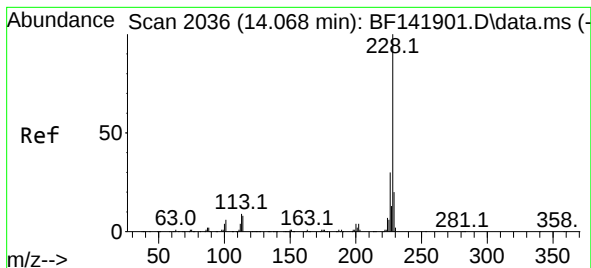


#81
 Benzo(a)anthracene
 Concen: 2.264 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142035.D
 Acq: 21 Mar 2025 17:50



Tgt Ion:228 Resp: 43276
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.8
 229 20.1 16.0 24.0





#83

Chrysene

Concen: 2.433 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142035.D

Acq: 21 Mar 2025 17:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

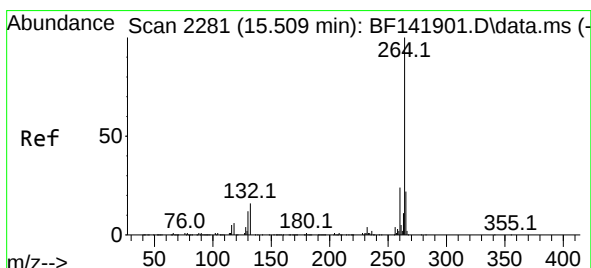
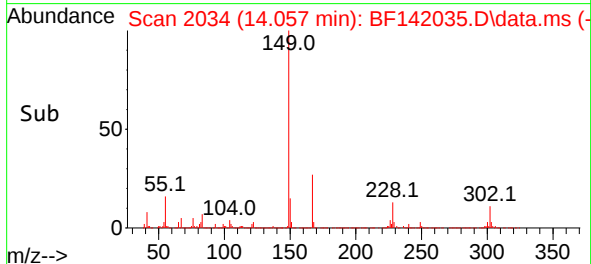
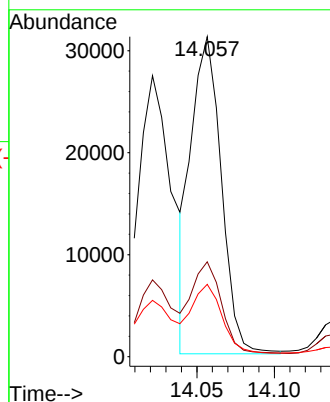
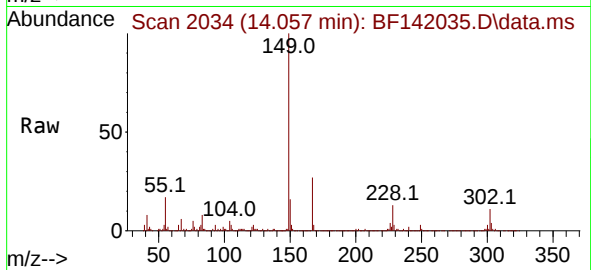
Tgt Ion:	228	Resp:	42140
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.1	36.1
229	22.6	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/24/2025

Supervised By :Jagrut Upadhyay 03/24/2025



#86

Perylene-d12

Concen: 20.000 ng

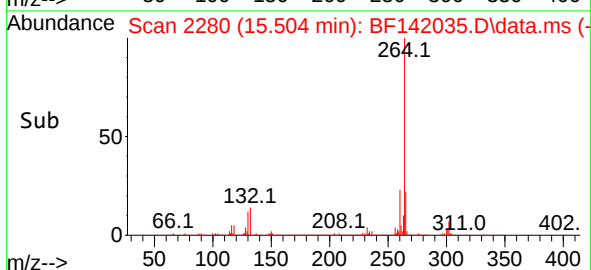
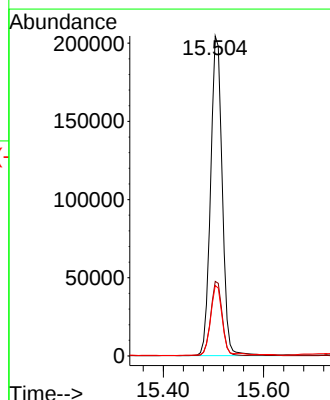
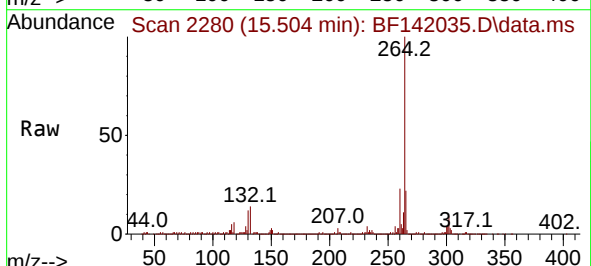
RT: 15.504 min Scan# 2280

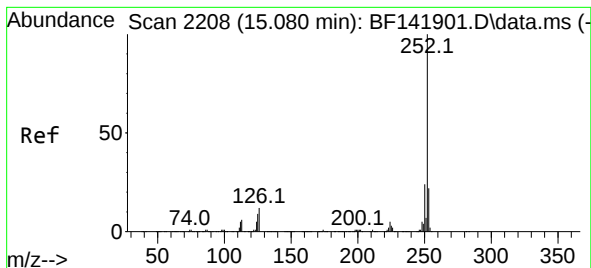
Delta R.T. -0.006 min

Lab File: BF142035.D

Acq: 21 Mar 2025 17:50

Tgt Ion:	264	Resp:	329187
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.1	28.7
265	22.0	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 3.668 ng m

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142035.D

Acq: 21 Mar 2025 17:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

Tgt Ion:252 Resp: 82760

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

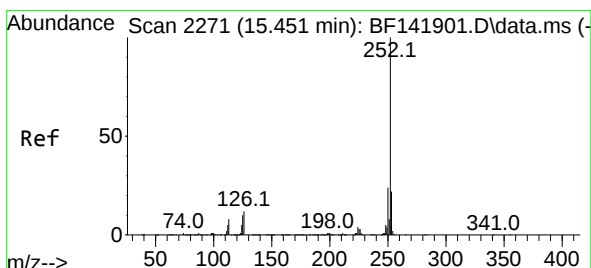
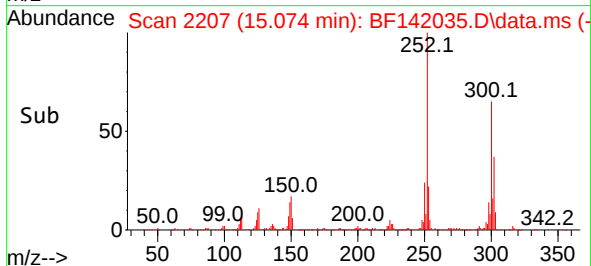
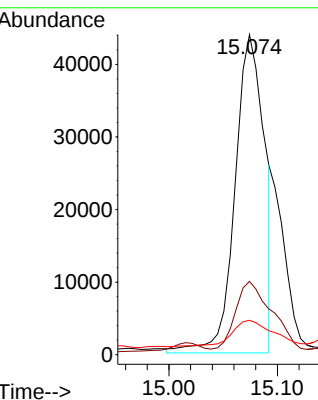
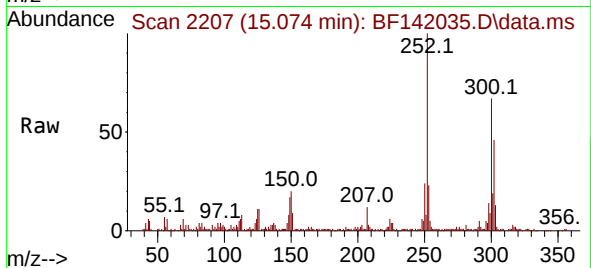
125 10.8 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/24/2025

Supervised By :Jagrut Upadhyay 03/24/2025



#90

Benzo(a)pyrene

Concen: 2.666 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF142035.D

Acq: 21 Mar 2025 17:50

Tgt Ion:252 Resp: 47068

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

125 13.6 7.8 11.8

