

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141358.D
 Acq On : 01 Feb 2025 03:11
 Operator : RC/JU
 Sample : Q1244-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-01302025

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 03:51:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	91628	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	278006	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	142544	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	272298	20.000	ng	0.00
76) Chrysene-d12	13.969	240	206377	20.000	ng	0.00
86) Perylene-d12	15.427	264	160662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	222872	37.342	ng	0.01
7) Phenol-d6	6.446	99	246752	32.499	ng	0.00
23) Nitrobenzene-d5	7.357	82	148009	28.066	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	47889	36.646	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	214600	23.173	ng	0.00
79) Terphenyl-d14	12.910	244	310724	23.219	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.792	142	28057	3.006	ng	97
38) 1-Methylnaphthalene	8.892	142	21242	2.317	ng	90
71) Phenanthrene	11.345	178	55102	3.765	ng	97
75) Fluoranthene	12.539	202	101495	7.023	ng	98
78) Pyrene	12.763	202	105301	5.315	ng	98
81) Benzo(a)anthracene	13.957	228	44890	3.152	ng	# 87
83) Chrysene	13.992	228	38031	2.914	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	32805m	3.246	ng	
90) Benzo(a)pyrene	15.363	252	24894	2.915	ng	# 74

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

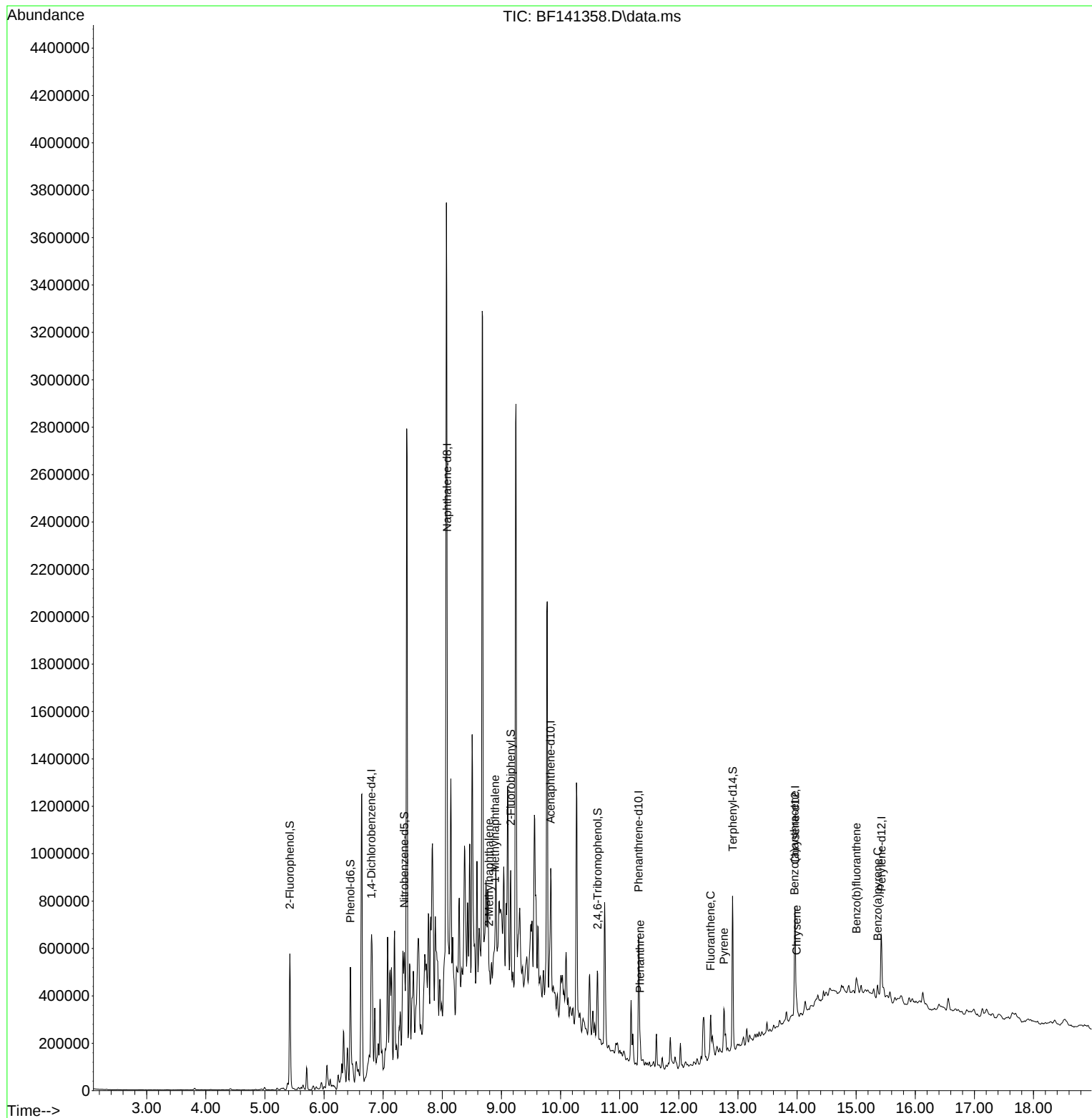
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141358.D
Acq On : 01 Feb 2025 03:11
Operator : RC/JU
Sample : Q1244-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
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EO-02-01302025

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Supervised By :mohammad ahmed 02/04/2025

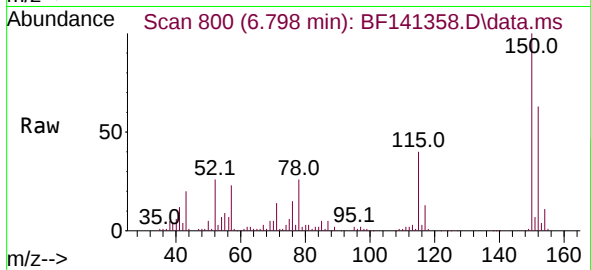
Quant Time: Feb 01 03:51:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

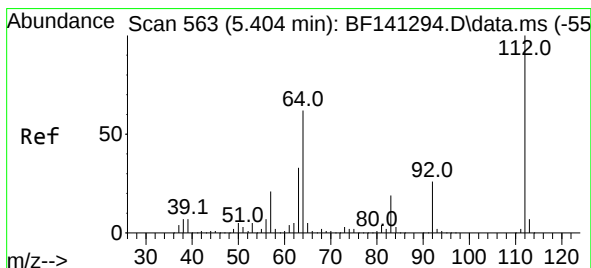
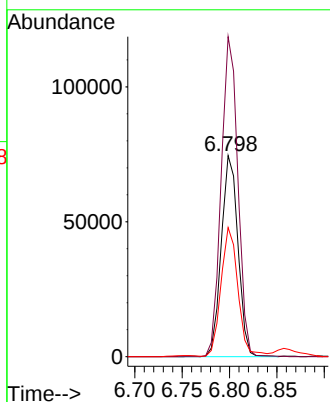
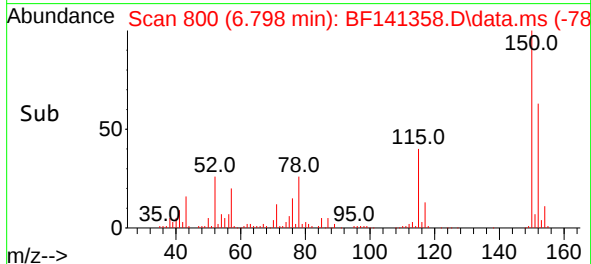
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



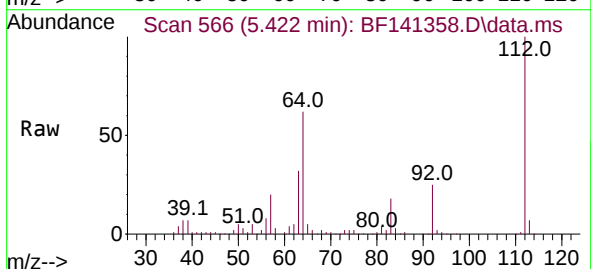
Tgt Ion:152 Resp: 91628
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 64.2 49.7 74.5

Manual Integrations
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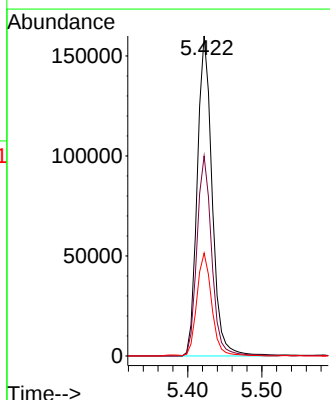
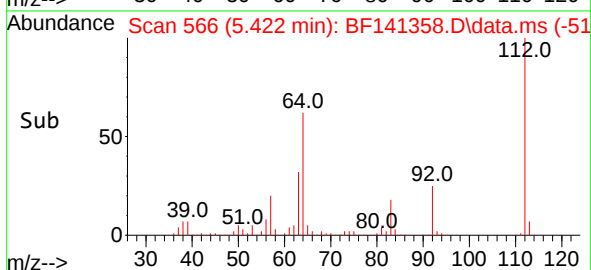
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

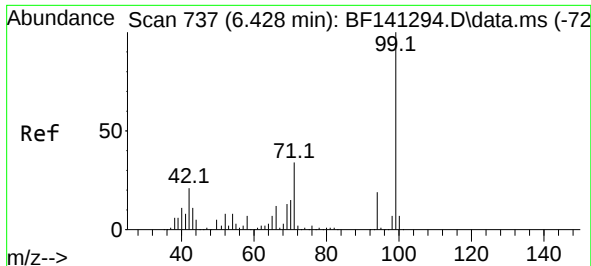


#5
2-Fluorophenol
Concen: 37.342 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11



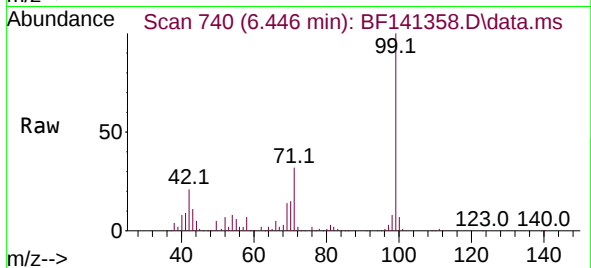
Tgt Ion:112 Resp: 222872
Ion Ratio Lower Upper
112 100
64 62.5 49.8 74.8
63 32.1 26.1 39.1





#7
Phenol-d6
Concen: 32.499 ng
RT: 6.446 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

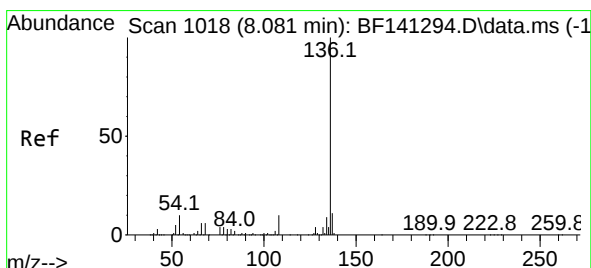
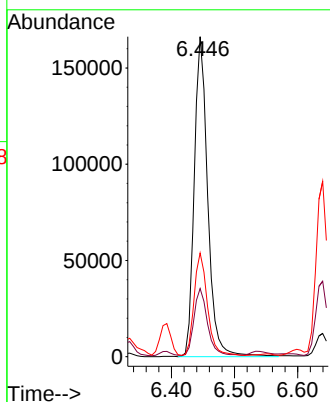
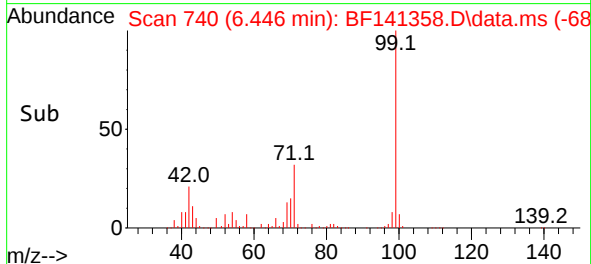
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



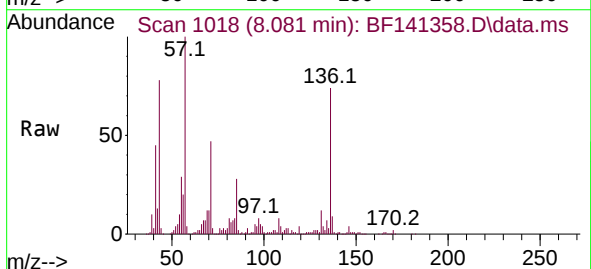
Tgt Ion: 99 Resp: 246752
Ion Ratio Lower Upper
99 100
42 21.3 17.1 25.7
71 32.4 26.9 40.3

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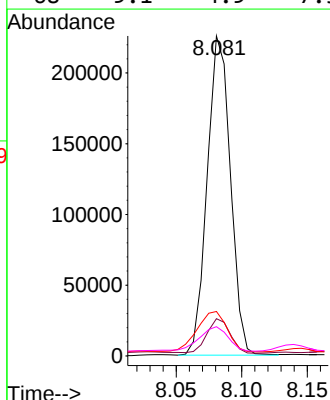
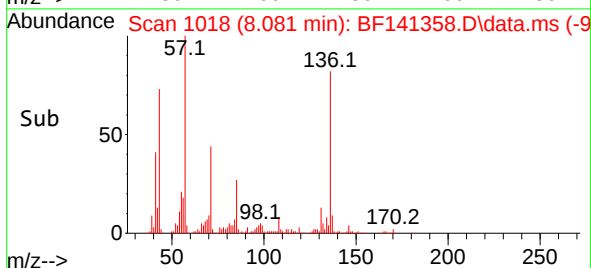
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

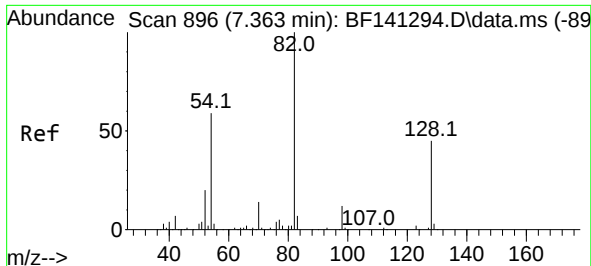


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11



Tgt Ion:136 Resp: 278006
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 13.9 7.8 11.8#
68 9.1 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 28.066 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

Tgt Ion: 82 Resp: 148009

Ion Ratio Lower Upper

82 100

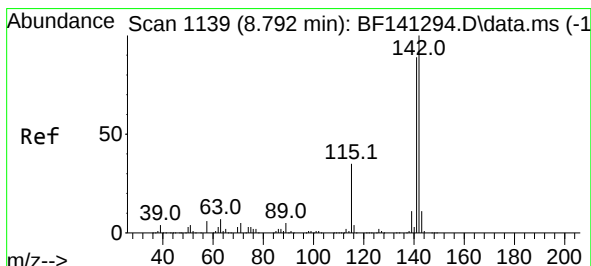
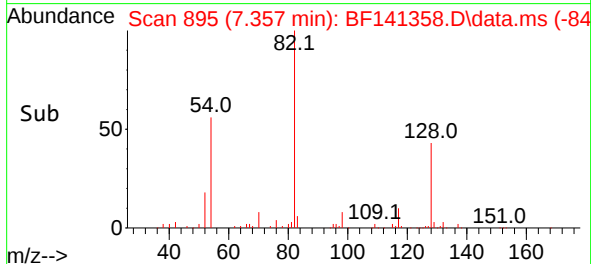
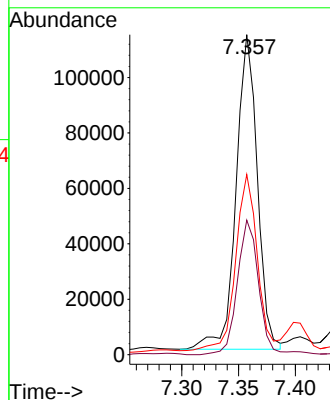
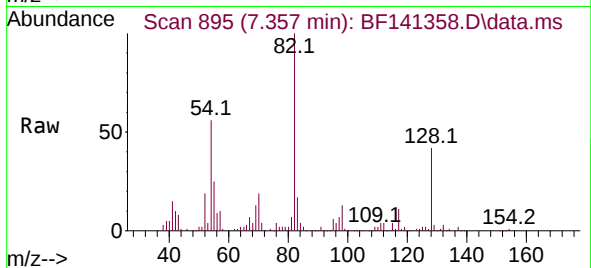
128 42.1 35.7 53.5

54 56.3 47.1 70.7

Manual Integrations

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#37

2-Methylnaphthalene

Concen: 3.006 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141358.D

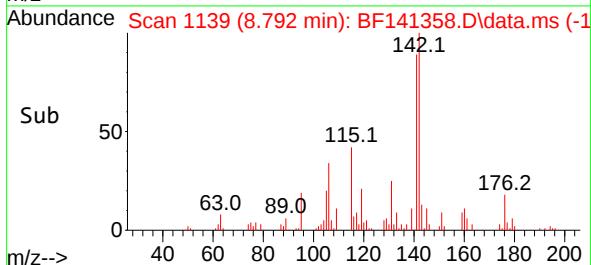
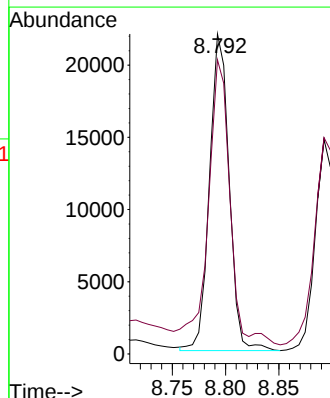
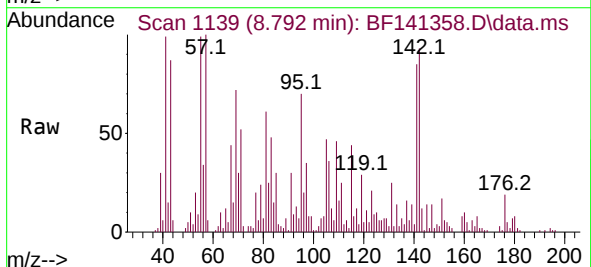
Acq: 01 Feb 2025 03:11

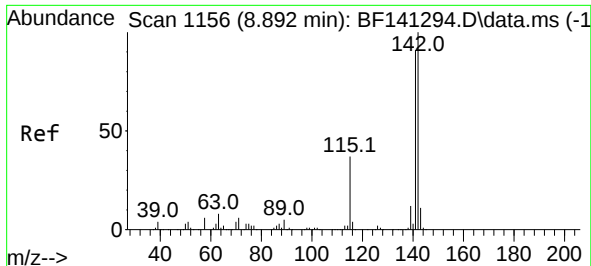
Tgt Ion:142 Resp: 28057

Ion Ratio Lower Upper

142 100

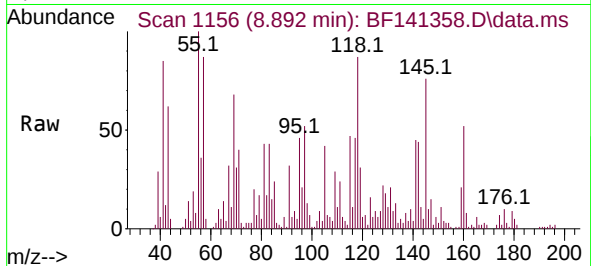
141 91.9 71.3 106.9





#38
1-Methylnaphthalene
Concen: 2.317 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

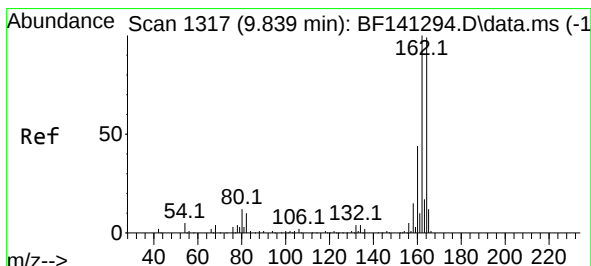
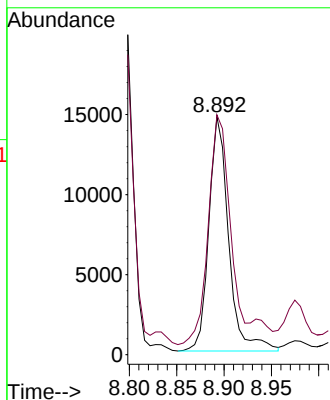
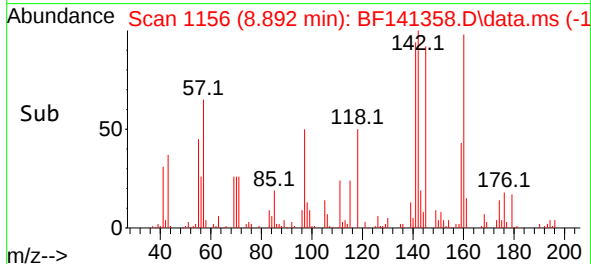
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



Tgt Ion:142 Resp: 2124
Ion Ratio Lower Upper
142 100
141 100.8 73.2 109.8

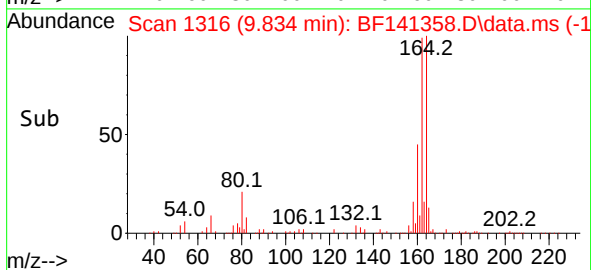
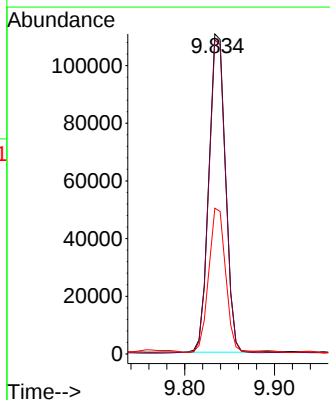
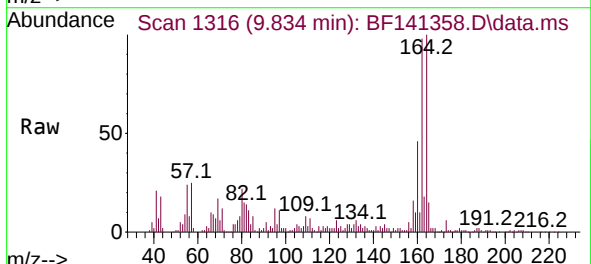
Manual Integrations
APPROVED

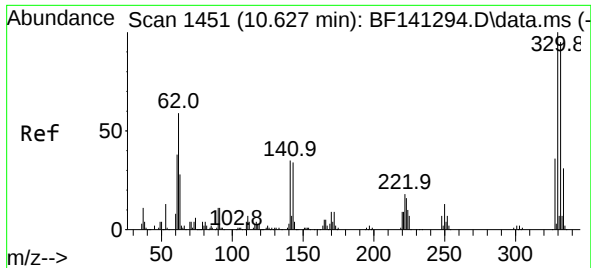
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

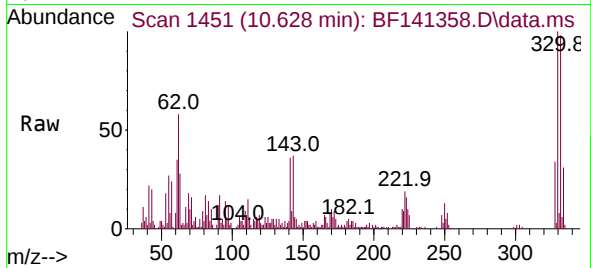
Tgt Ion:164 Resp: 142544
Ion Ratio Lower Upper
164 100
162 98.1 80.6 121.0
160 45.6 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 36.646 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

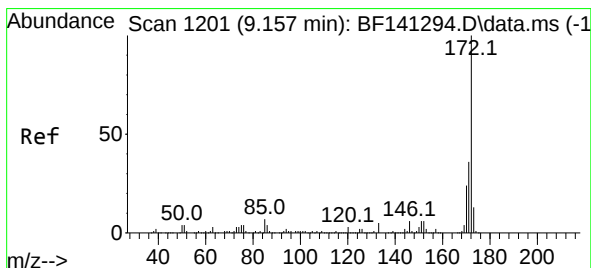
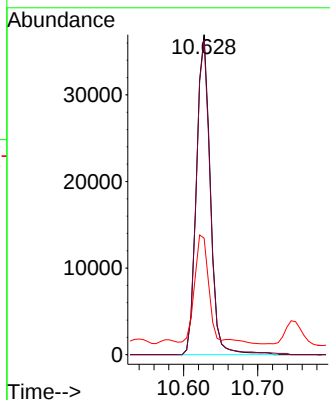
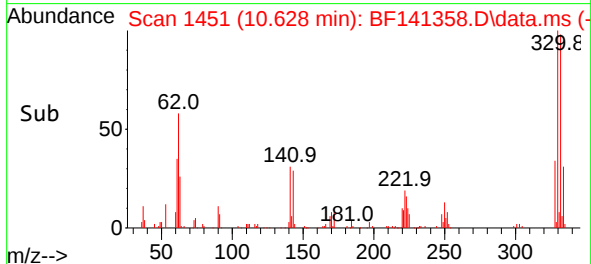
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



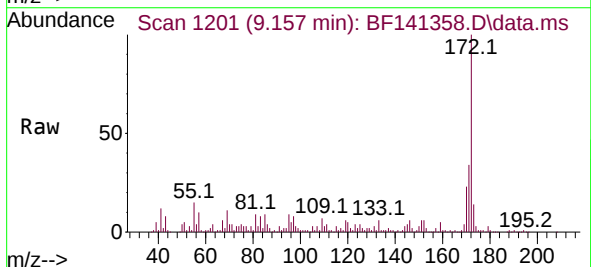
Tgt Ion:330 Resp: 47889
Ion Ratio Lower Upper
330 100
332 99.5 76.1 114.1
141 36.9 28.8 43.2

Manual Integrations
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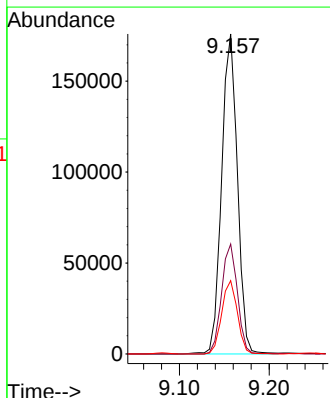
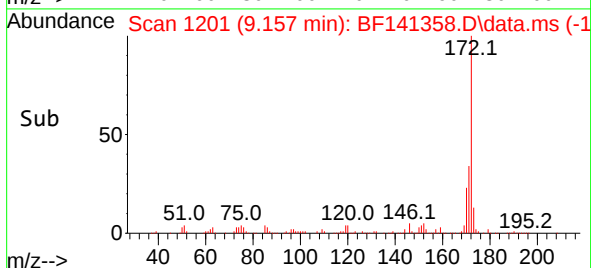
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

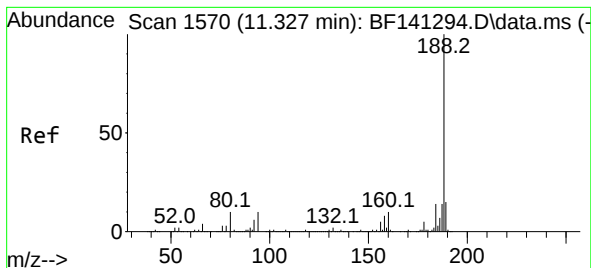


#45
2-Fluorobiphenyl
Concen: 23.173 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11



Tgt Ion:172 Resp: 214600
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 22.9 19.0 28.6





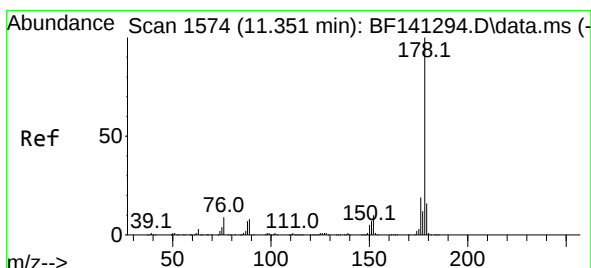
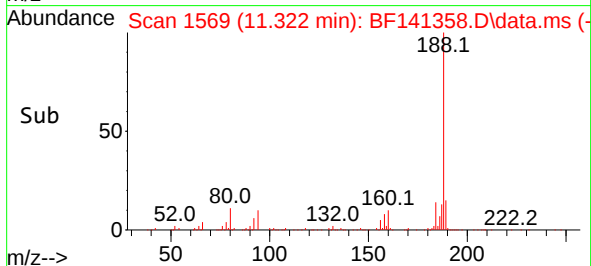
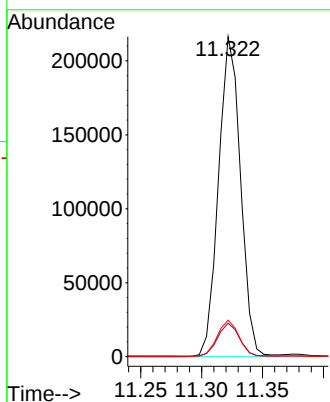
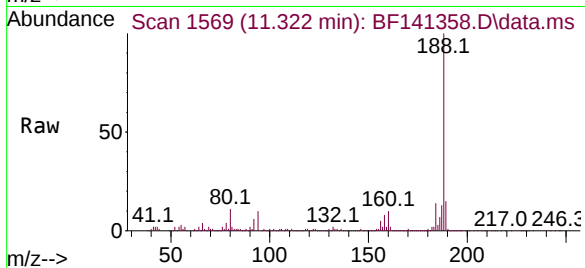
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

Tgt Ion:188 Resp: 272298
Ion Ratio Lower Upper
188 100
94 10.4 7.8 11.6
80 11.4 8.2 12.4

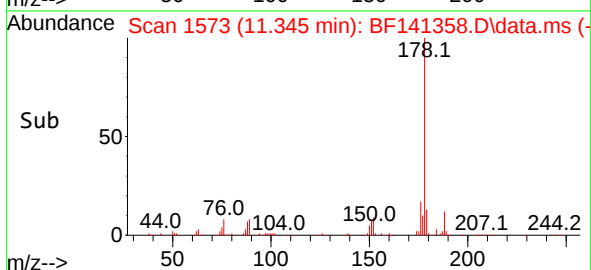
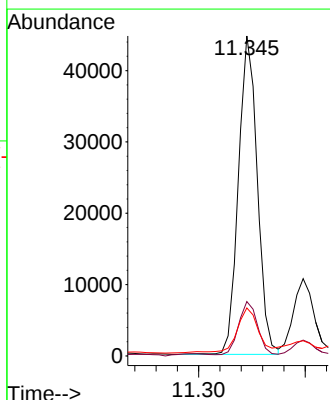
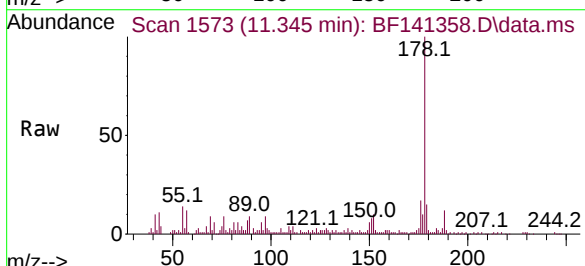
Manual Integrations
APPROVED

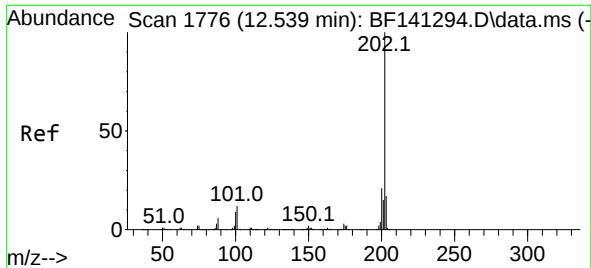
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#71
Phenanthrene
Concen: 3.765 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

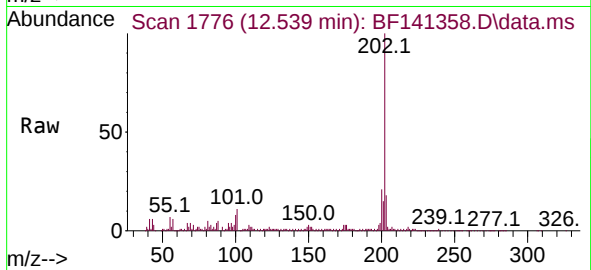
Tgt Ion:178 Resp: 55102
Ion Ratio Lower Upper
178 100
176 17.0 15.3 22.9
179 15.0 12.5 18.7





#75
Fluoranthene
Concen: 7.023 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

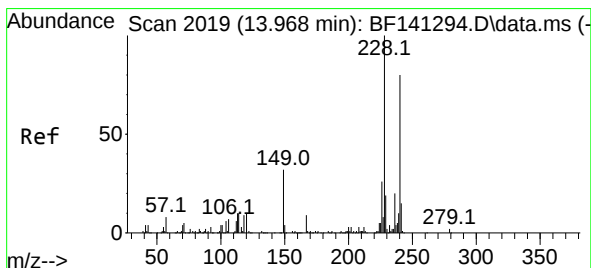
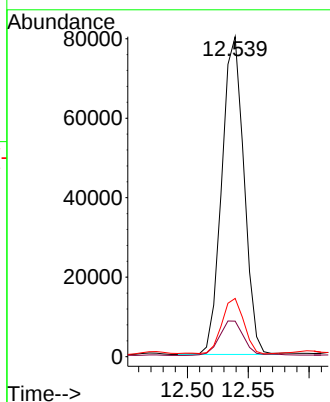
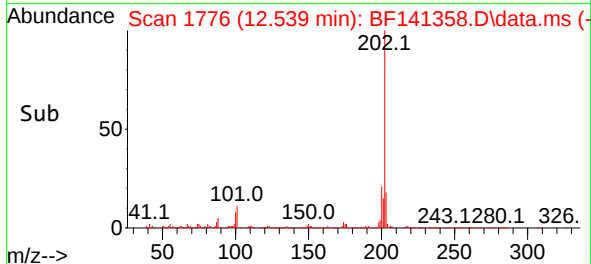
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



Tgt Ion:202 Resp: 101495
Ion Ratio Lower Upper
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101 11.1 0.0 31.7
203 18.2 0.0 37.5

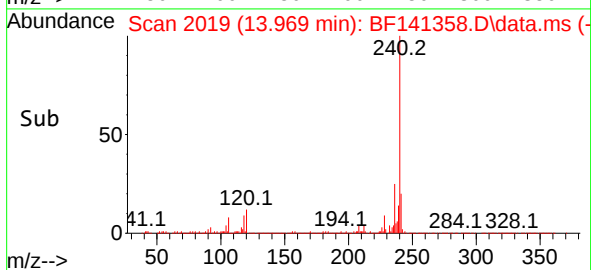
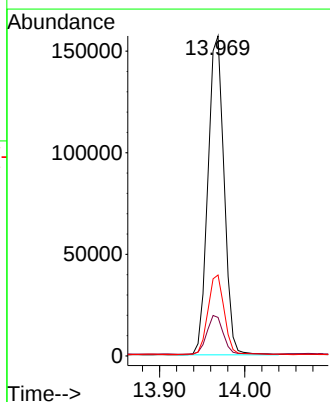
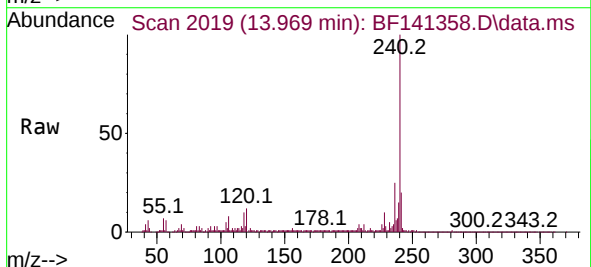
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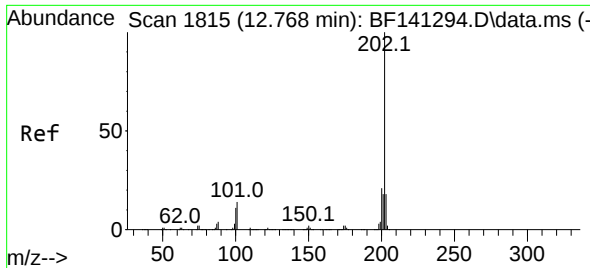
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

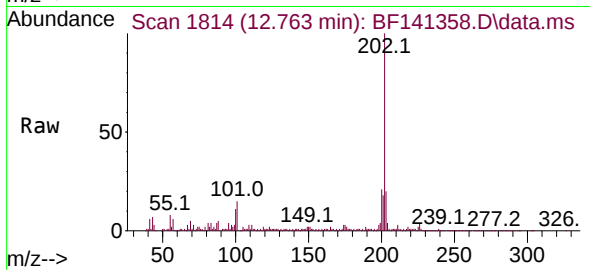
Tgt Ion:240 Resp: 206377
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.3 19.7 29.5





#78
Pyrene
Concen: 5.315 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

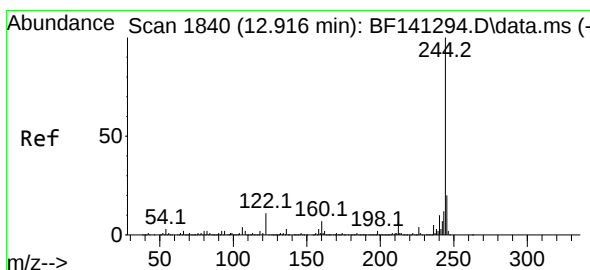
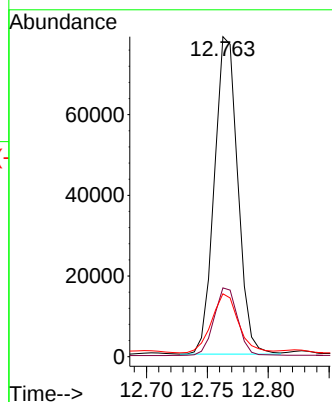
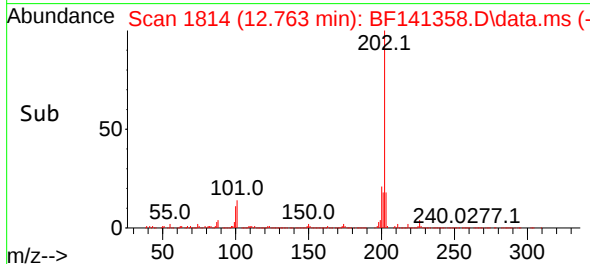
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



Tgt Ion:202 Resp: 10530
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 19.6 14.3 21.5

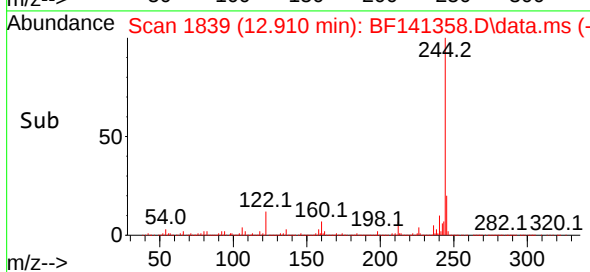
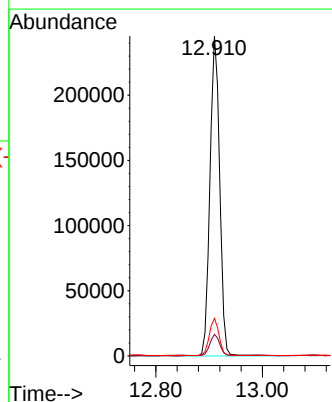
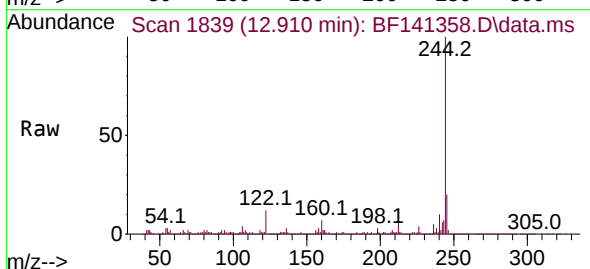
Manual Integrations
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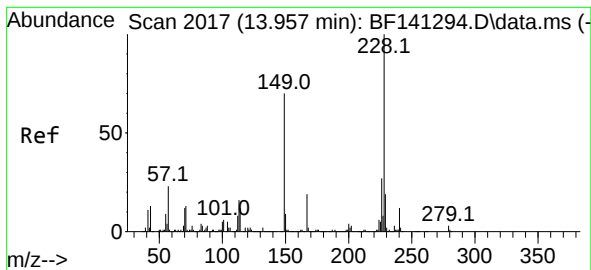
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#79
Terphenyl-d14
Concen: 23.219 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:244 Resp: 310724
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.7 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.152 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

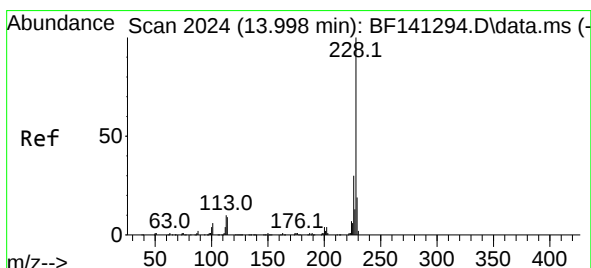
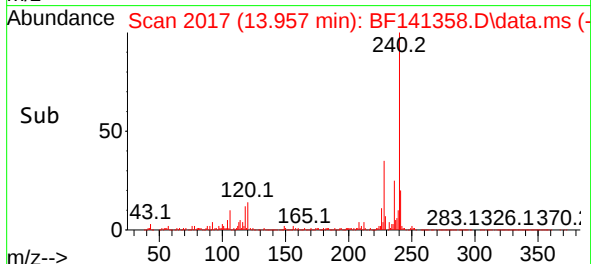
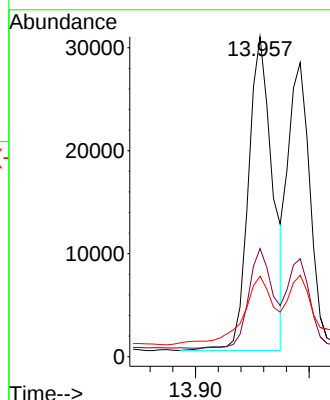
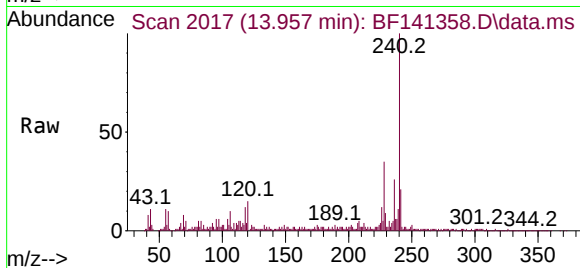
Tgt Ion:228 Resp: 44890

Ion	Ratio	Lower	Upper
228	100		
226	33.8	21.4	32.2
229	25.1	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#83

Chrysene

Concen: 2.914 ng

RT: 13.992 min Scan# 2023

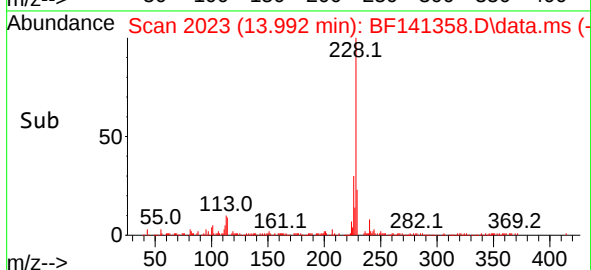
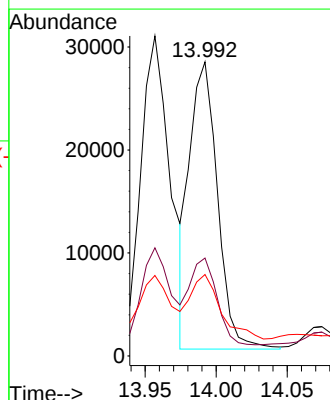
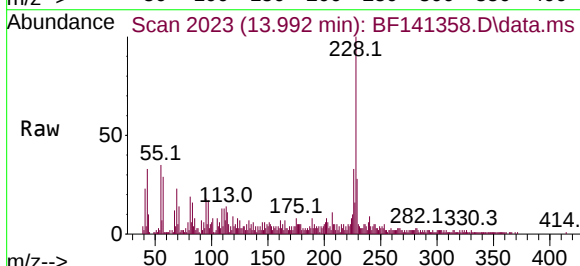
Delta R.T. -0.006 min

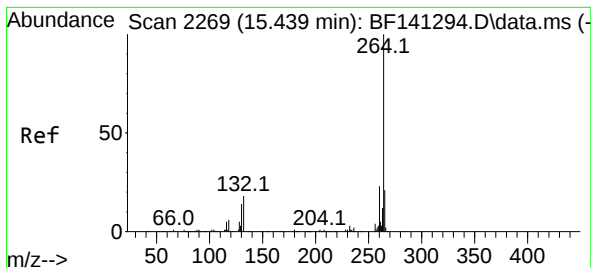
Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Tgt Ion:228 Resp: 38031

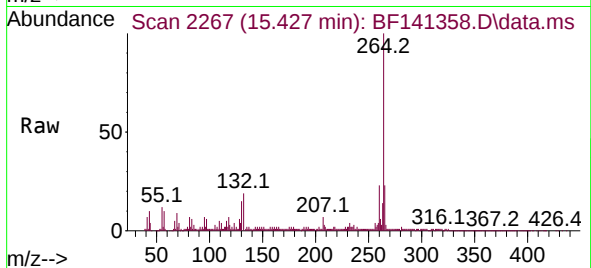
Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.1	36.1
229	27.7	15.6	23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

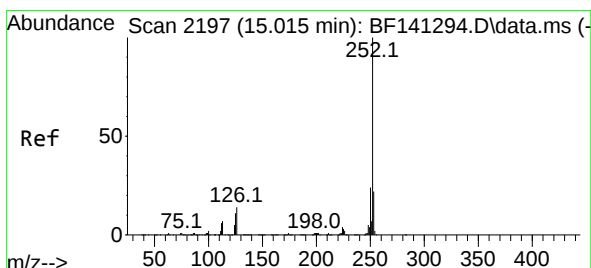
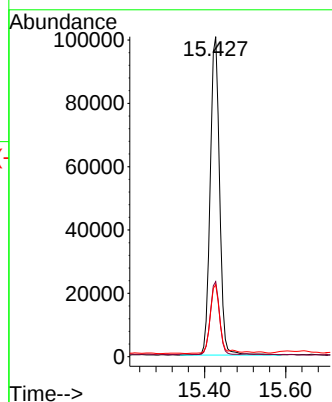
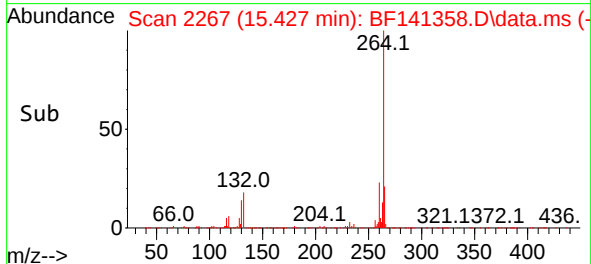
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025



Tgt Ion:264 Resp: 160662
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 22.5 16.7 25.1

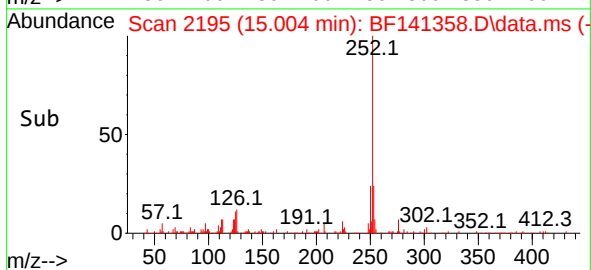
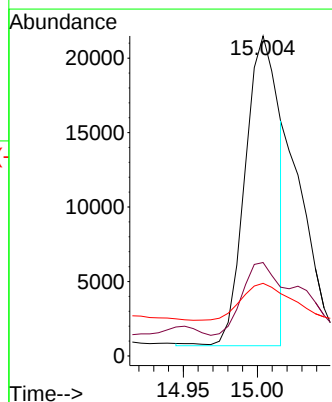
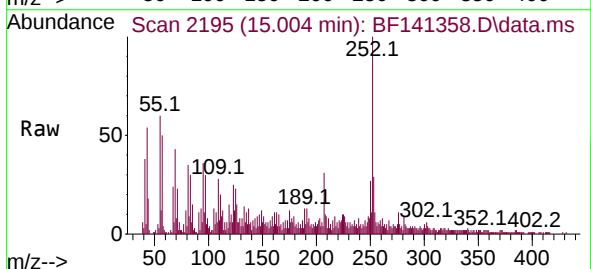
Manual Integrations
APPROVED

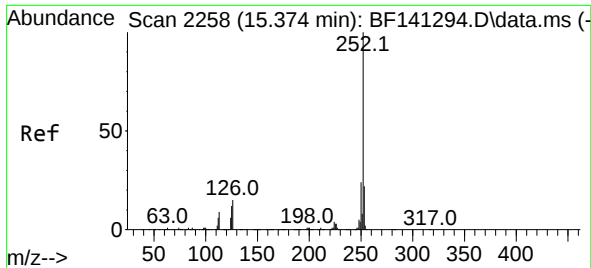
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#88
Benzo(b)fluoranthene
Concen: 3.246 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:252 Resp: 32805
Ion Ratio Lower Upper
252 100
253 29.2 17.4 26.2#
125 22.7 8.6 12.8#





#90

Benzo(a)pyrene

Concen: 2.915 ng

RT: 15.363 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141358.D

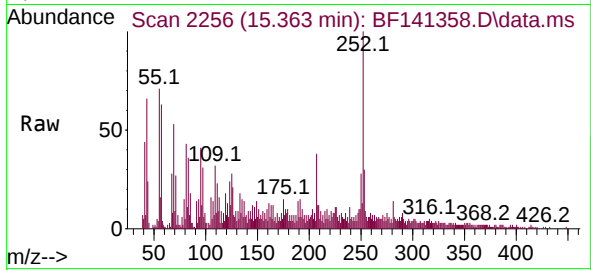
Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025



Tgt Ion:252 Resp: 24894

Ion Ratio Lower Upper

252 100

253 29.7 17.2 25.8

125 28.4 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025

