

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139732.D
 Acq On : 09 Oct 2024 19:54
 Operator : RC/JU
 Sample : P4359-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOIL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :mohammad ahmed 10/10/2024

Quant Time: Oct 10 01:12:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	88348	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	321088	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	158717	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	235947	20.000	ng	0.00
76) Chrysene-d12	14.033	240	178507	20.000	ng	0.00
86) Perylene-d12	15.504	264	153519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	650262	127.571	ng	0.00
7) Phenol-d6	6.504	99	862634	125.845	ng	0.00
23) Nitrobenzene-d5	7.428	82	549817	86.697	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	157608	102.867	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	961280	92.979	ng	0.00
79) Terphenyl-d14	12.974	244	749932	68.934	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	28802	2.589	ng	99
75) Fluoranthene	12.604	202	74920	6.160	ng	99
78) Pyrene	12.833	202	80882	5.066	ng	99
81) Benzo(a)anthracene	14.021	228	54976m	4.684	ng	
83) Chrysene	14.057	228	43424	4.047	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	20376	2.255	ng	96
88) Benzo(b)fluoranthene	15.074	252	62372m	6.284	ng	
89) Benzo(k)fluoranthene	15.092	252	19206m	2.281	ng	
90) Benzo(a)pyrene	15.439	252	39786	5.083	ng	# 90
92) Benzo(g,h,i)perylene	17.427	276	20034	2.665	ng	98

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

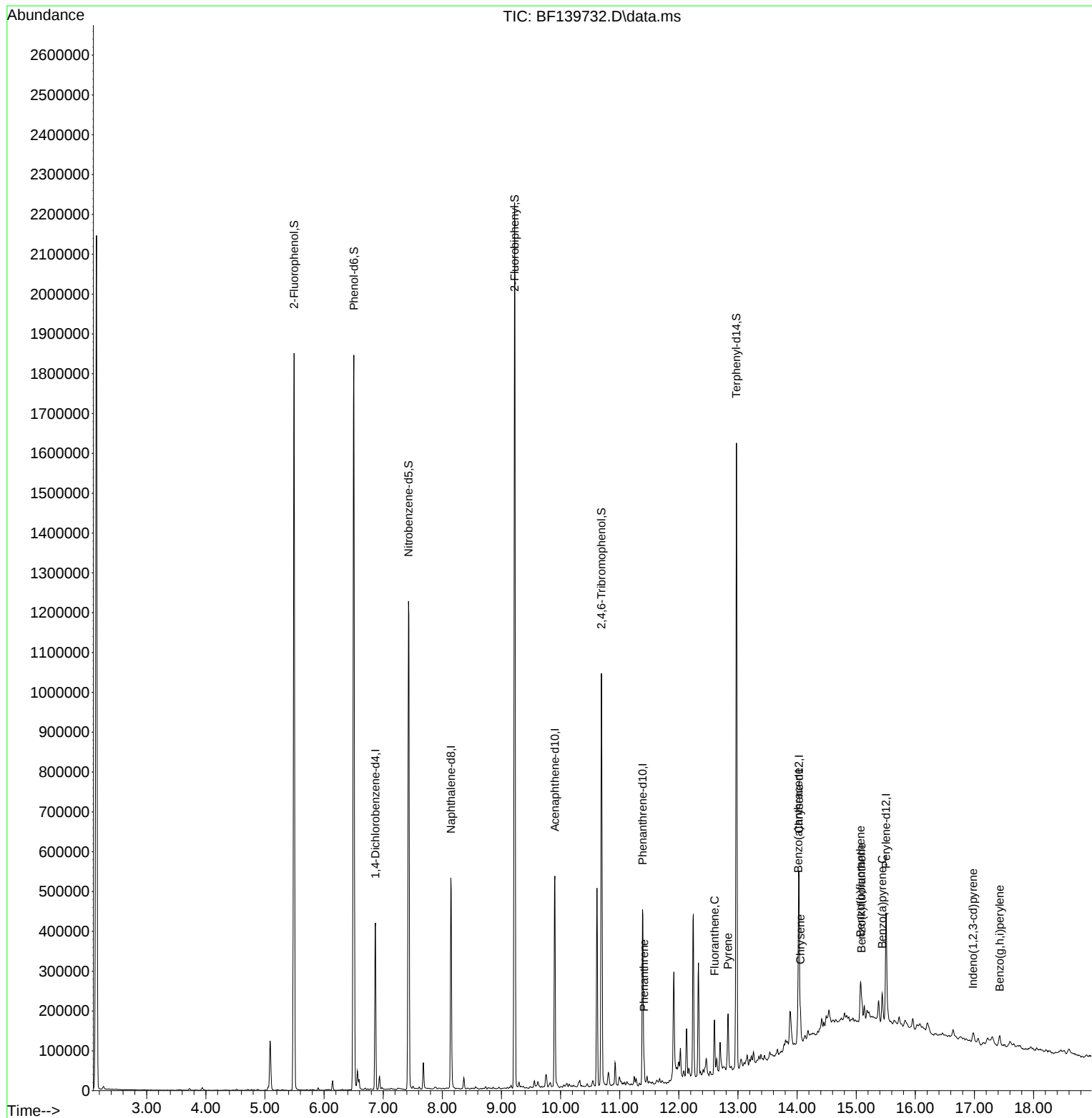
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
Data File : BF139732.D
Acq On : 09 Oct 2024 19:54
Operator : RC/JU
Sample : P4359-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

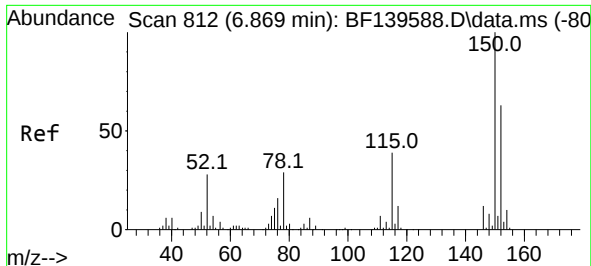
Instrument :
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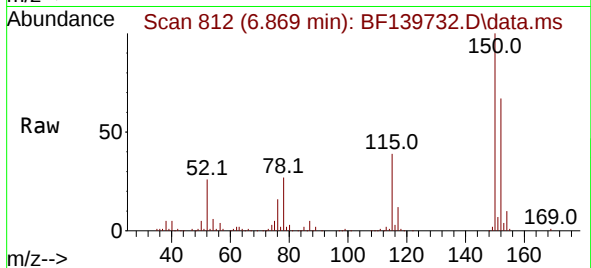
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

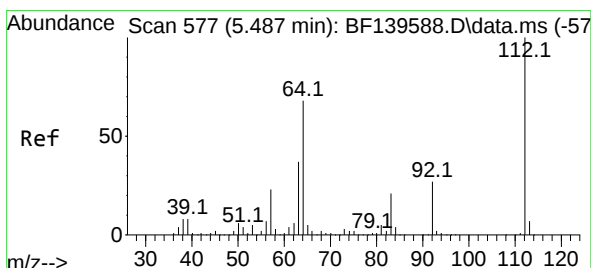
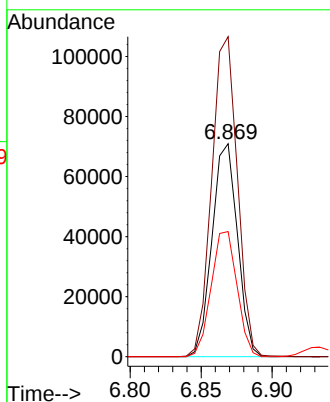
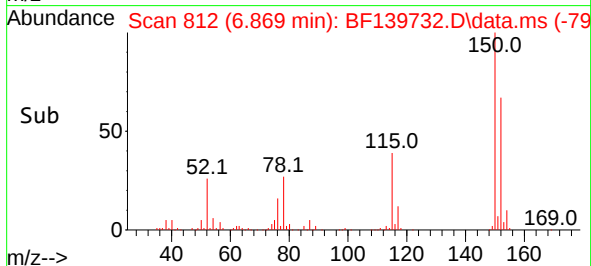
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BNA_F
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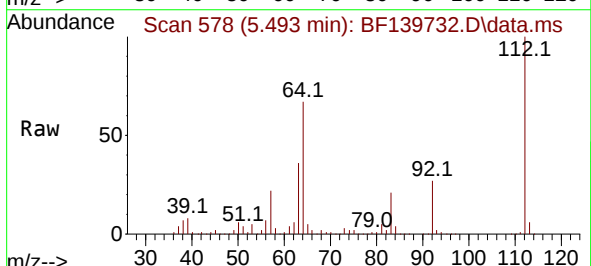
Tgt Ion:152 Resp: 88348
Ion Ratio Lower Upper
152 100
150 150.3 127.2 190.8
115 58.8 49.0 73.4

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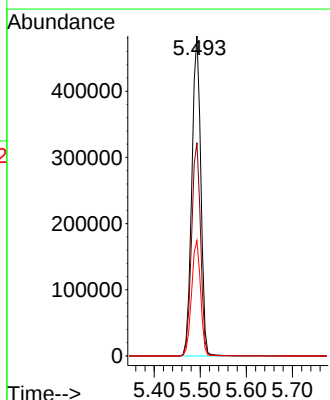
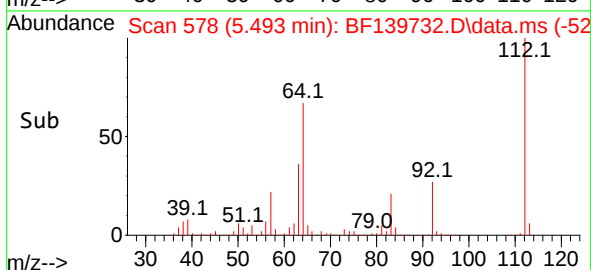
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

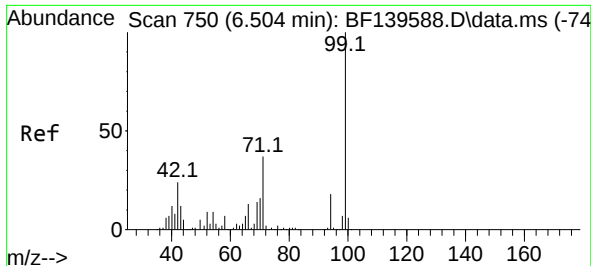


#5
2-Fluorophenol
Concen: 127.571 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54



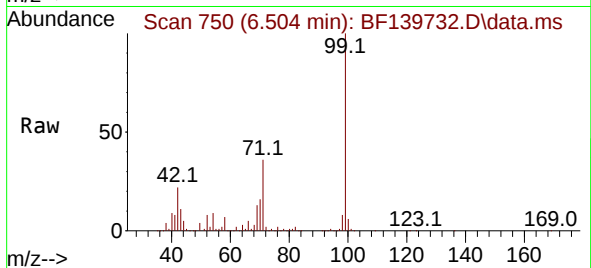
Tgt Ion:112 Resp: 650262
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 36.1 29.4 44.2





#7
Phenol-d6
Concen: 125.845 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

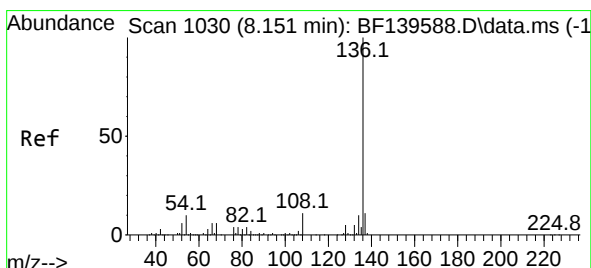
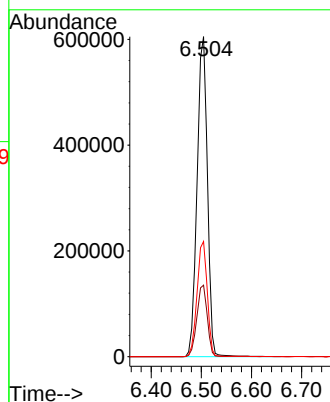
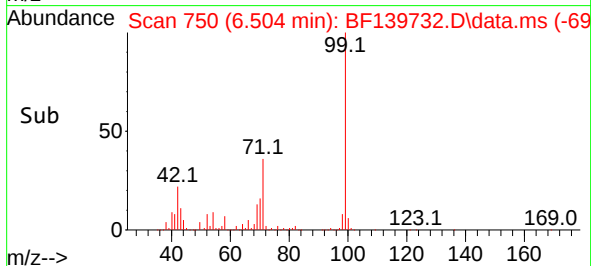
Instrument :
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Tgt Ion: 99 Resp: 862634
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.0 29.7 44.5

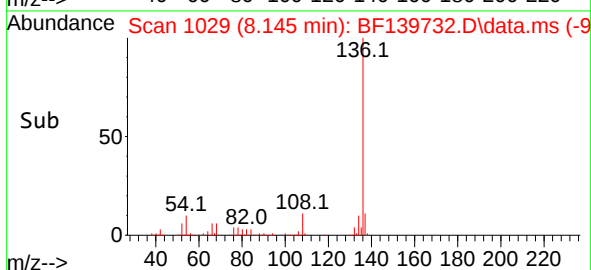
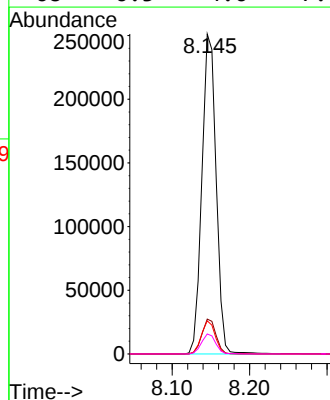
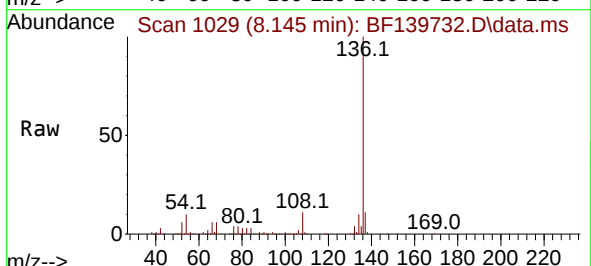
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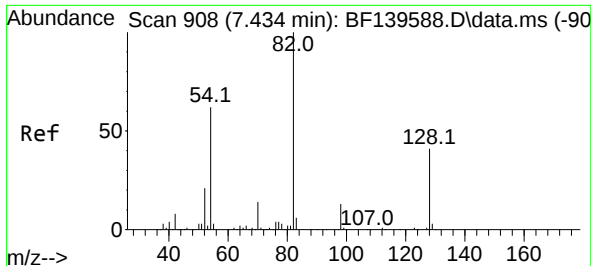
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:136 Resp: 321088
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.3 8.3 12.5
68 6.3 4.6 7.0





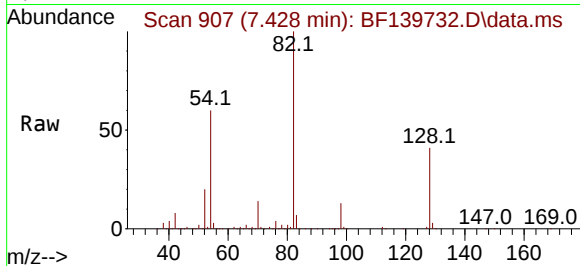
#23
Nitrobenzene-d5
Concen: 86.697 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

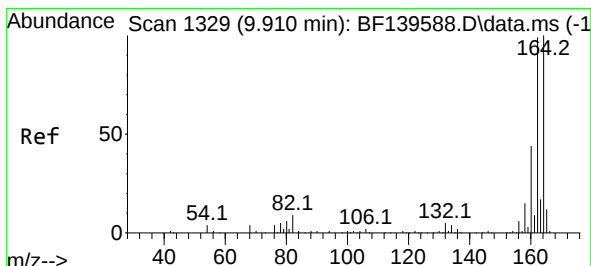
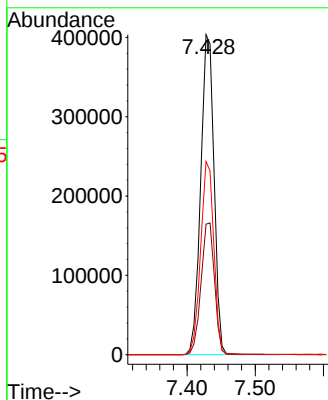
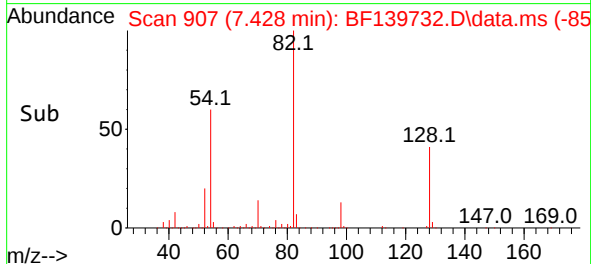
EXCAVATION-SOIL



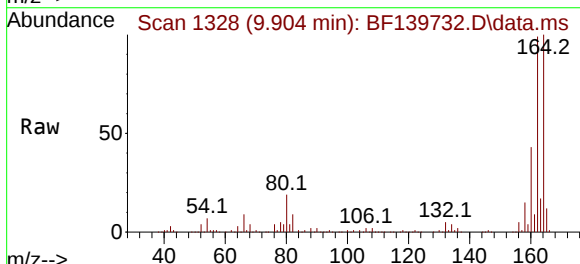
Tgt Ion: 82 Resp: 549817
Ion Ratio Lower Upper
82 100
128 40.8 32.4 48.6
54 60.4 49.1 73.7

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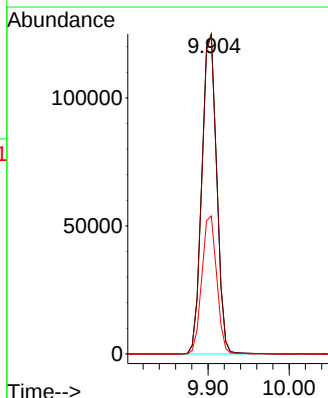
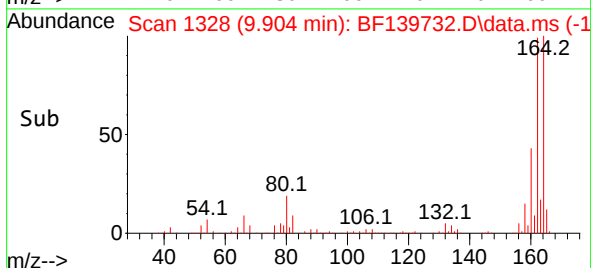
Reviewed By :Yogesh Patel 10/10/2024
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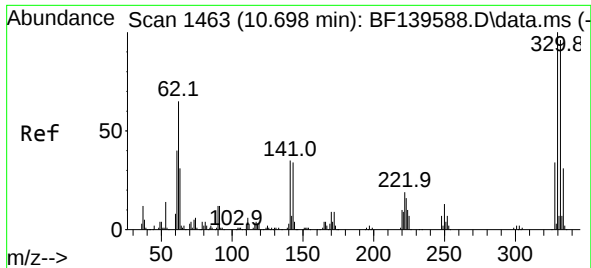


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54



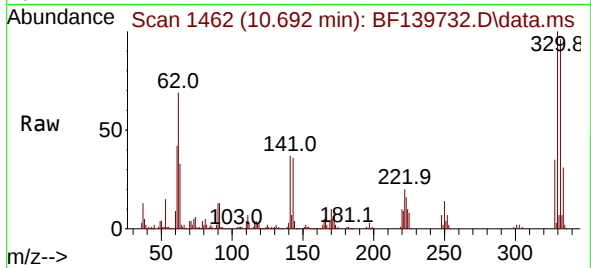
Tgt Ion:164 Resp: 158717
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 43.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 102.867 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

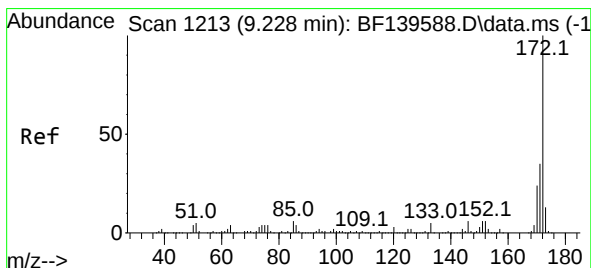
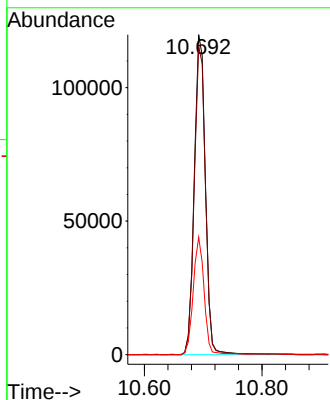
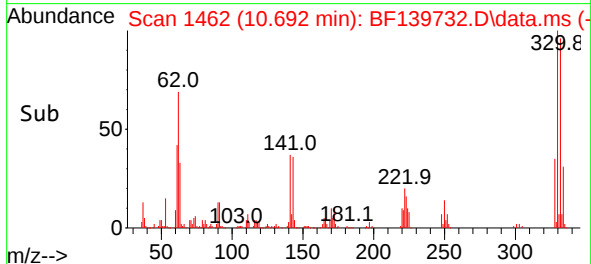
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL



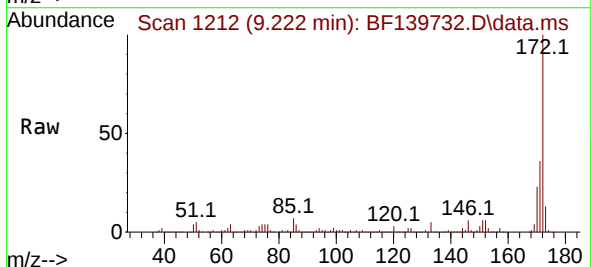
Tgt Ion:330 Resp: 157608
Ion Ratio Lower Upper
330 100
332 96.6 76.5 114.7
141 36.1 29.3 43.9

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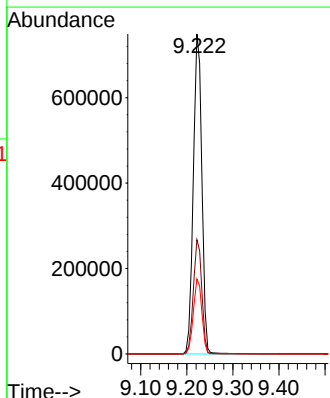
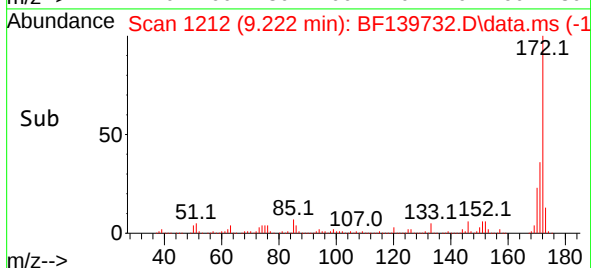
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024

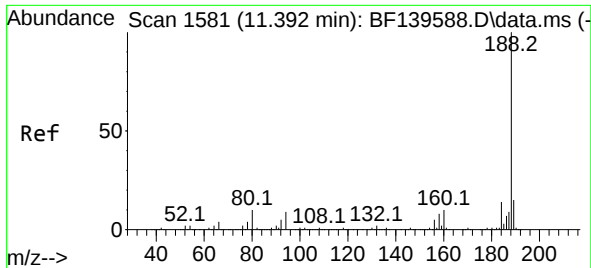


#45
2-Fluorobiphenyl
Concen: 92.979 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54



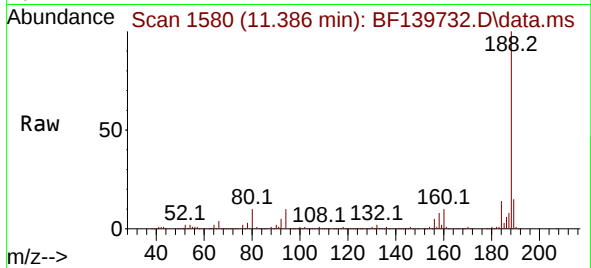
Tgt Ion:172 Resp: 961280
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

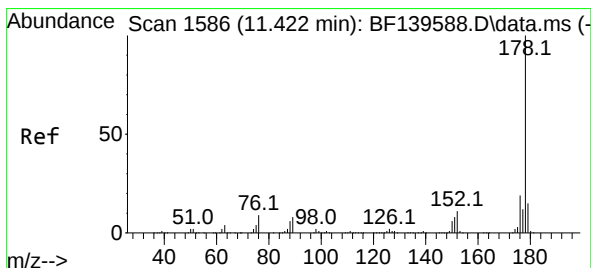
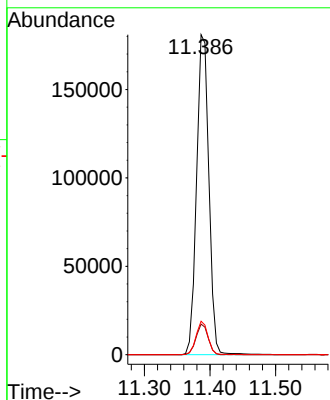
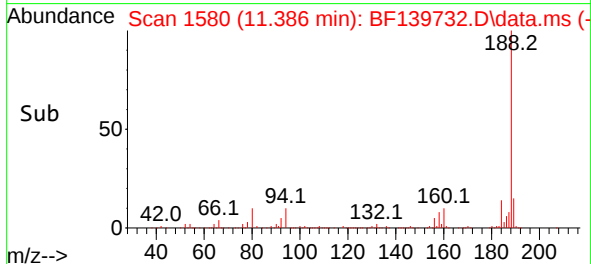
Instrument :
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EXCAVATION-SOIL



Tgt Ion:188 Resp: 23594
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.4 8.2 12.2

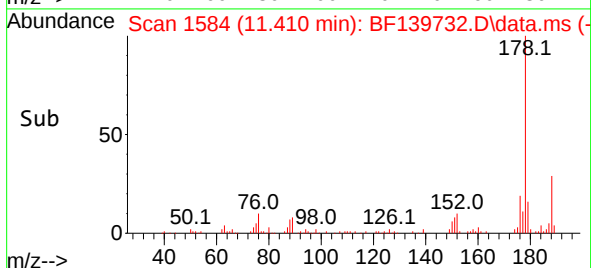
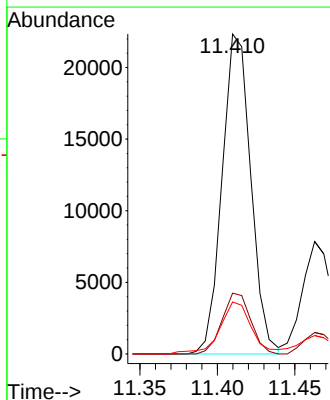
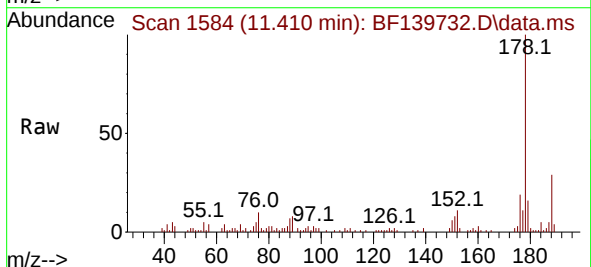
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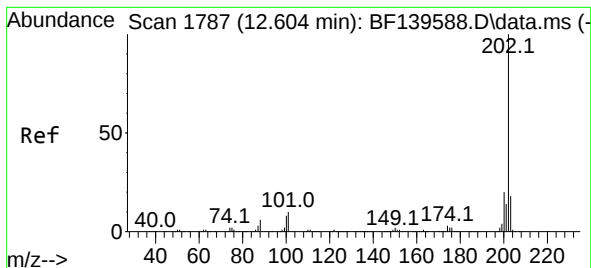
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#71
Phenanthrene
Concen: 2.589 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:178 Resp: 28802
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 16.3 12.3 18.5





#75

Fluoranthene

Concen: 6.160 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BF139732.D

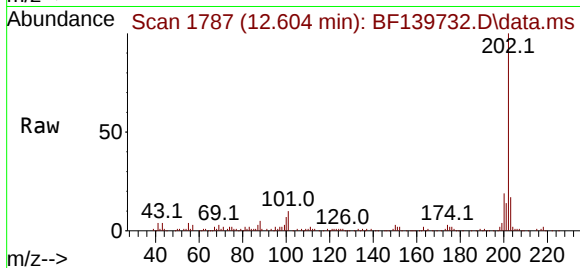
Acq: 09 Oct 2024 19:54

Instrument :

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ClientSampleId :

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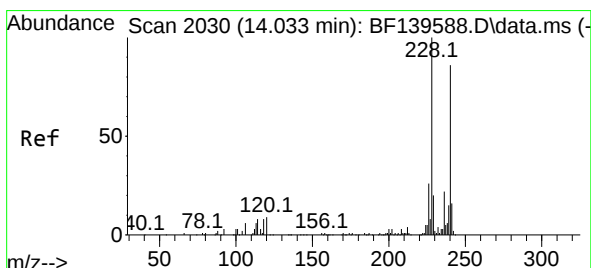
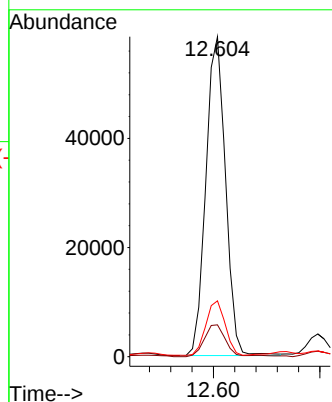
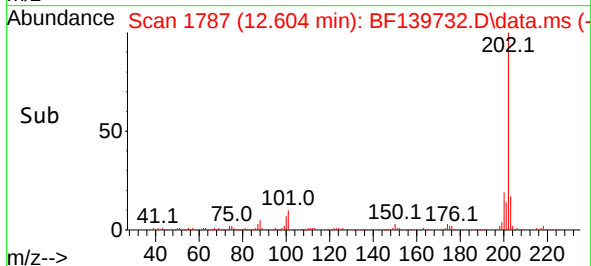
Tgt Ion:	202	Resp:	74920
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	30.2
203	17.5	0.0	37.7

Manual Integrations

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Supervised By :mohammad ahmed 10/10/2024



#76

Chrysene-d12

Concen: 20.000 ng

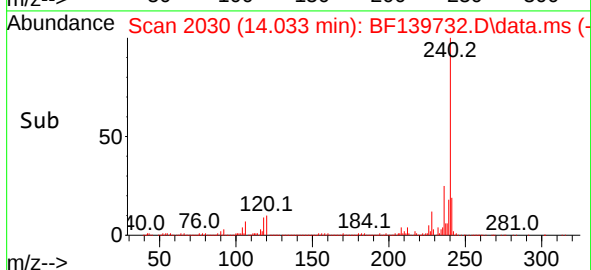
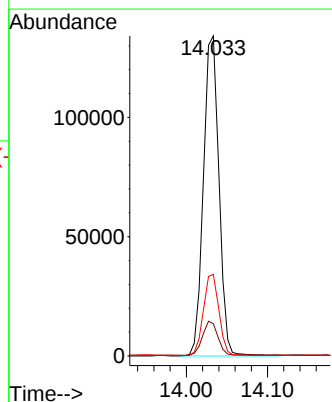
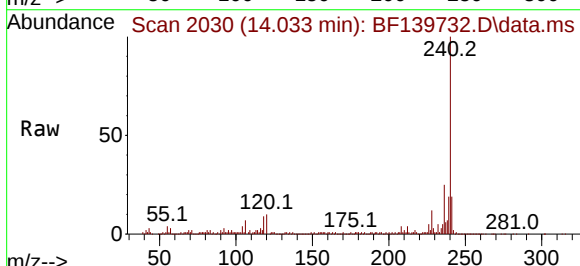
RT: 14.033 min Scan# 2030

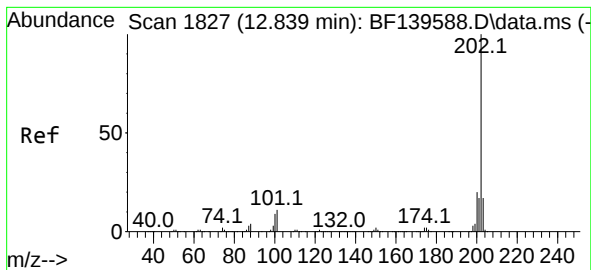
Delta R.T. 0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Tgt Ion:	240	Resp:	178507
Ion Ratio	Lower	Upper	
240	100		
120	10.1	8.4	12.6
236	25.5	20.3	30.5





#78

Pyrene

Concen: 5.066 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

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EXCAVATION-SOIL

Tgt Ion:202 Resp: 8088

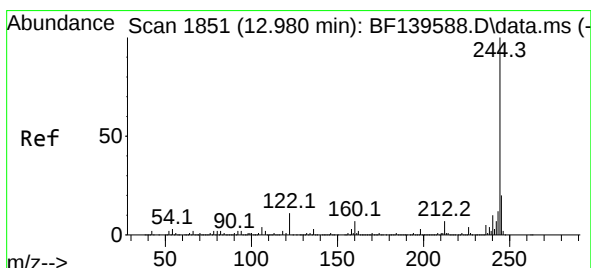
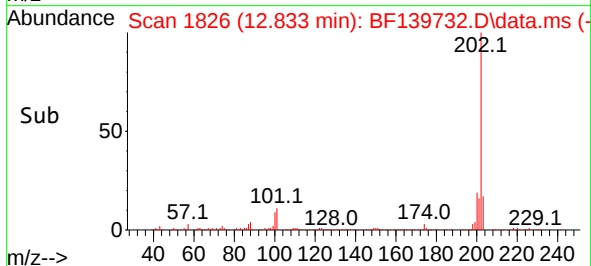
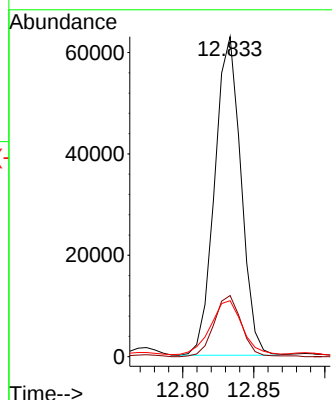
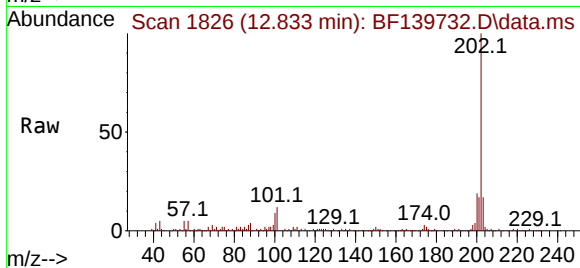
Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.8	23.6
203	17.5	13.8	20.8

Manual Integrations

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Supervised By :mohammad ahmed 10/10/2024



#79

Terphenyl-d14

Concen: 68.934 ng

RT: 12.974 min Scan# 1850

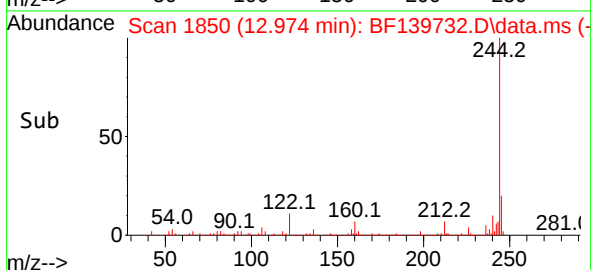
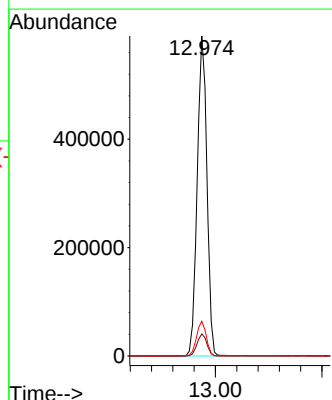
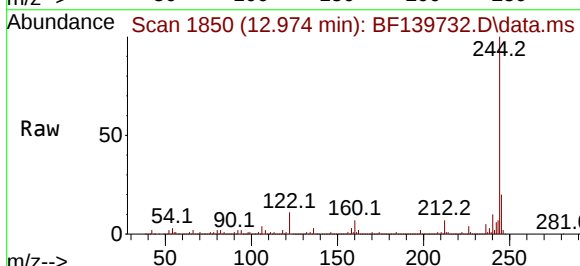
Delta R.T. -0.006 min

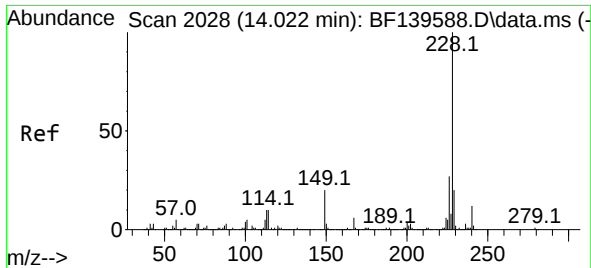
Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Tgt Ion:244 Resp: 749932

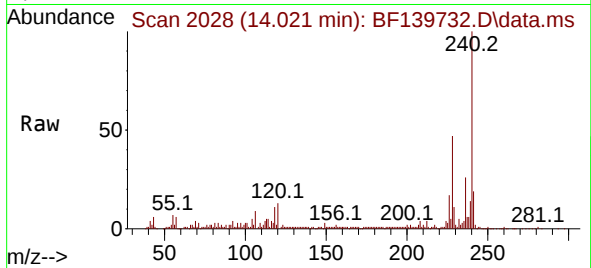
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	10.8	8.6	12.8





#81
Benzo(a)anthracene
Concen: 4.684 ng m
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

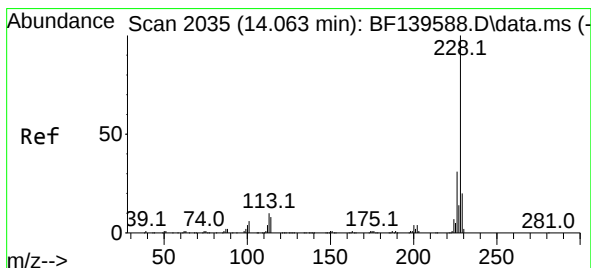
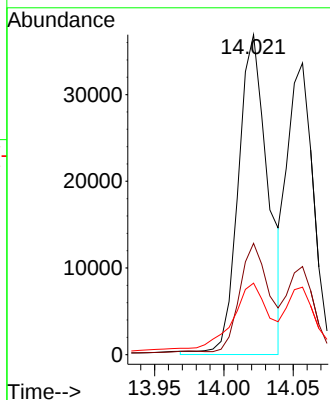
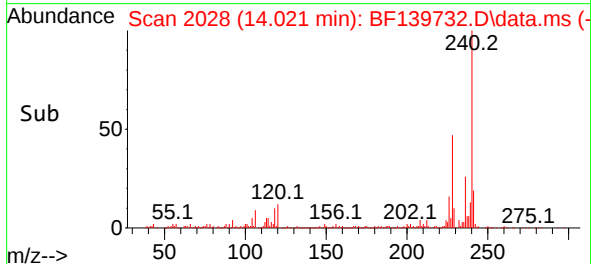
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL



Tgt Ion:228 Resp: 54970
Ion Ratio Lower Upper
228 100
226 34.8 21.8 32.8
229 22.4 15.8 23.8

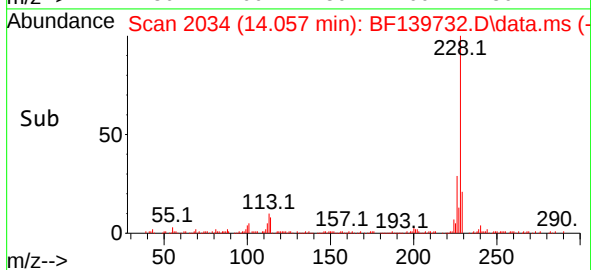
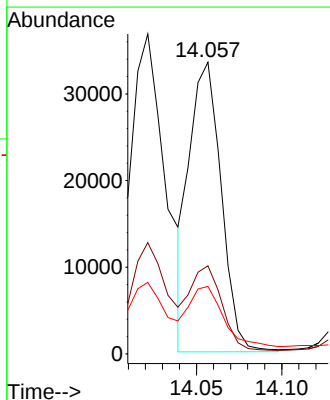
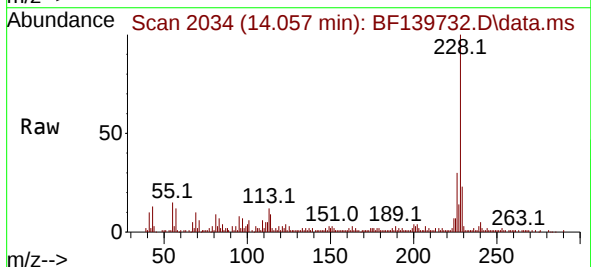
Manual Integrations
APPROVED

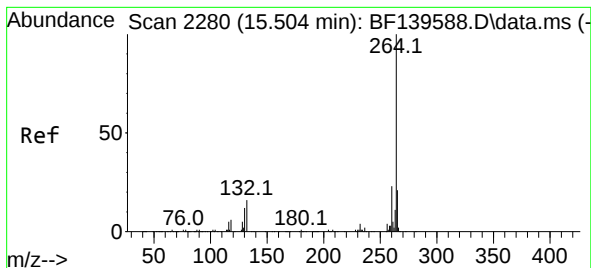
Reviewed By :Yogesh Patel 10/10/2024
Supervised By :mohammad ahmed 10/10/2024



#83
Chrysene
Concen: 4.047 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:228 Resp: 43424
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 23.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

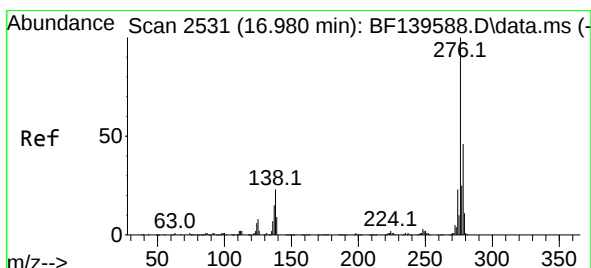
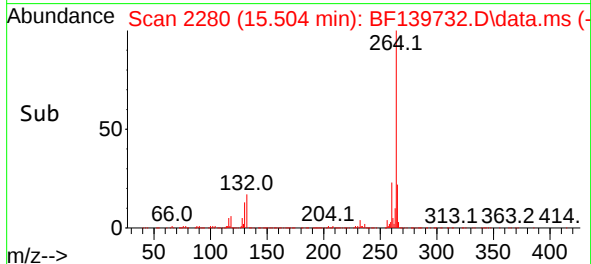
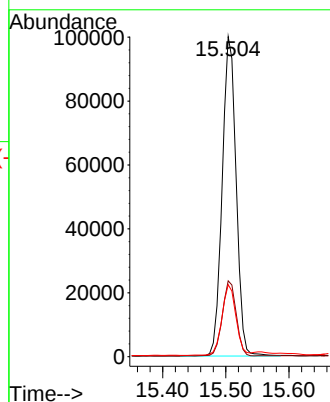
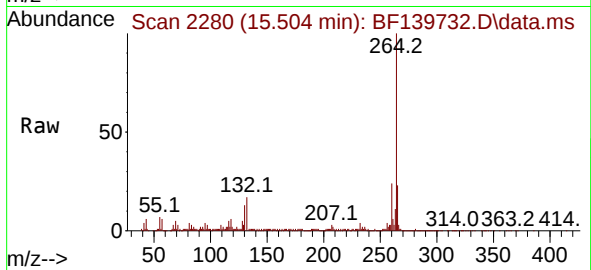
Tgt Ion:	264	Resp:	153519
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	22.5	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.255 ng

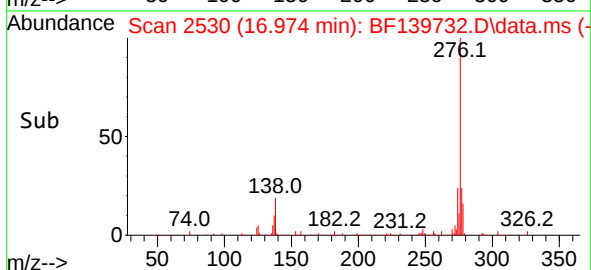
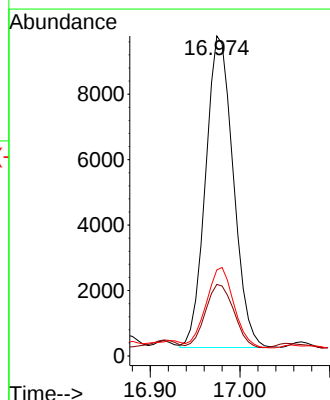
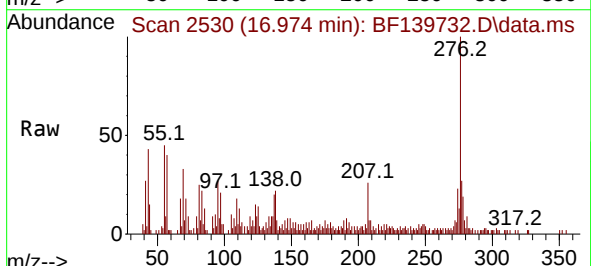
RT: 16.974 min Scan# 2530

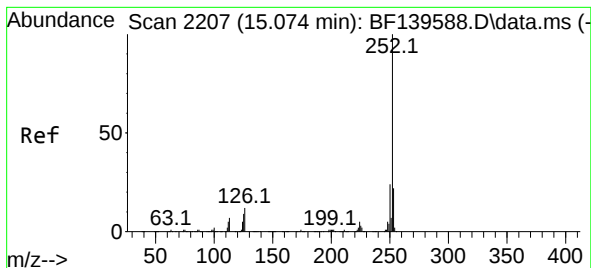
Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Tgt Ion:	276	Resp:	20376
Ion Ratio	Lower	Upper	
276	100		
138	20.7	19.4	29.0
277	25.9	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 6.284 ng m

RT: 15.074 min Scan# 2110

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

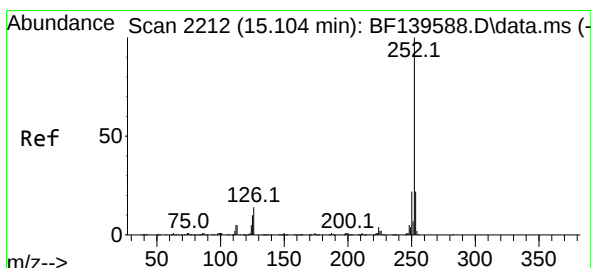
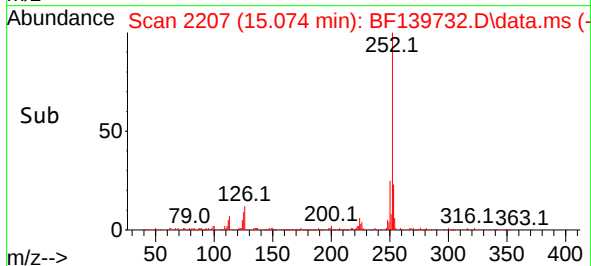
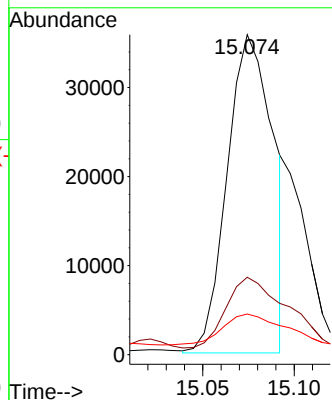
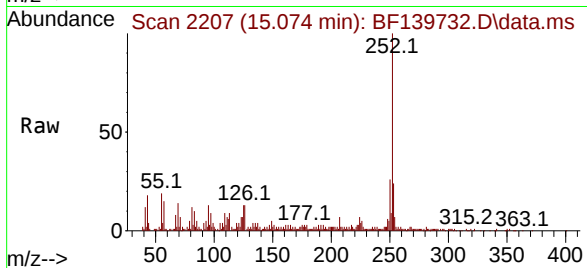
Tgt Ion:252 Resp: 62372
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.0
 125 12.7 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#89

Benzo(k)fluoranthene

Concen: 2.281 ng m

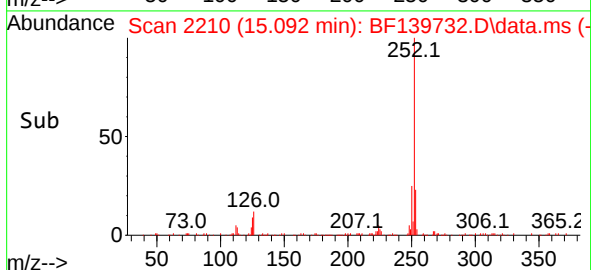
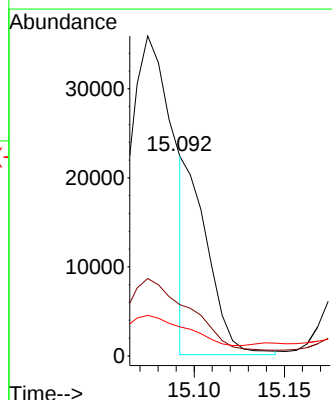
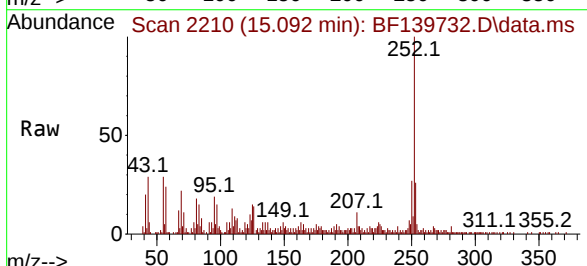
RT: 15.092 min Scan# 2210

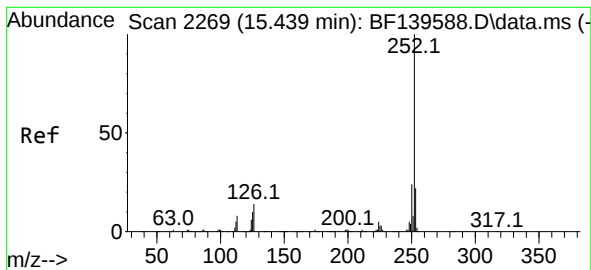
Delta R.T. -0.012 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Tgt Ion:252 Resp: 19206
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.5 26.3
 125 14.6 7.6 11.4





#90

Benzo(a)pyrene

Concen: 5.083 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

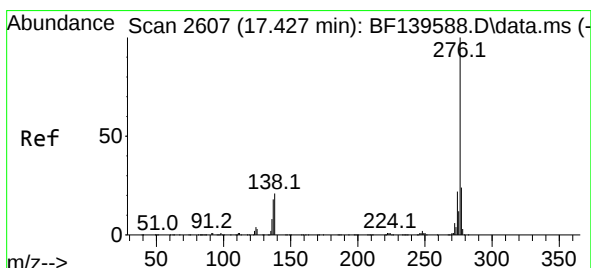
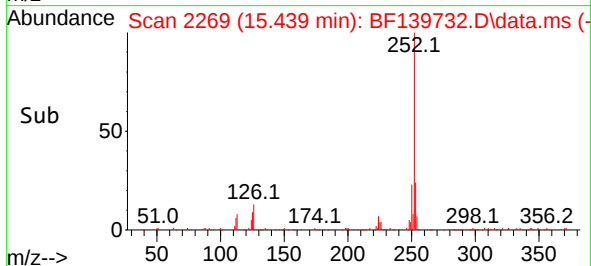
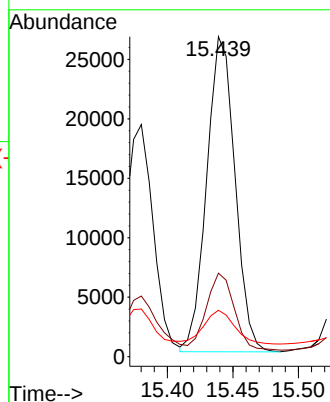
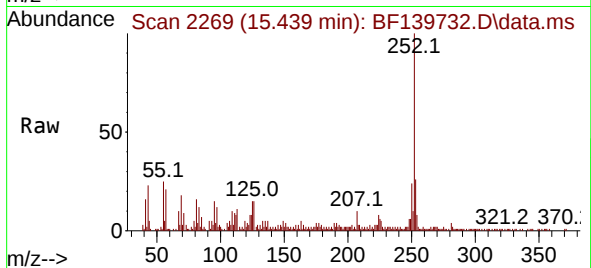
Tgt Ion:	252	Resp:	39780
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.3	25.9
125	14.5	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/10/2024

Supervised By :mohammad ahmed 10/10/2024



#92

Benzo(g,h,i)perylene

Concen: 2.665 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Tgt Ion:	276	Resp:	20034
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.0	28.6
138	23.0	17.0	25.6

