

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140165.D
 Acq On : 30 Oct 2024 18:39
 Operator : RC/JU
 Sample : P4612-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00335

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 01 04:41:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	111654	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	411076	20.000	ng	-0.01
39) Acenaphthene-d10	10.004	164	113471	20.000	ng	# 0.08
64) Phenanthrene-d10	11.574	188	105689	20.000	ng	# 0.16
76) Chrysene-d12	14.309	240	168273	20.000	ng	# 0.26
86) Perylene-d12	15.751	264	156787	20.000	ng	0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	327652	45.940	ng	-0.01
7) Phenol-d6	6.498	99	412163	44.619	ng	-0.01
23) Nitrobenzene-d5	7.439	82	287225	38.725	ng	-0.01
42) 2,4,6-Tribromophenol	10.845	330	52319	49.294	ng	0.13
45) 2-Fluorobiphenyl	9.274	172	382260	55.676	ng	0.02
79) Terphenyl-d14	13.239	244	189102	18.312	ng	0.24
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.386	154	156713	19.839	ng	78
81) Benzo(a)anthracene	14.321	228	39905m	3.643	ng	
83) Chrysene	14.327	228	30237m	3.011	ng	
88) Benzo(b)fluoranthene	15.333	252	38737m	4.056	ng	
89) Benzo(k)fluoranthene	15.333	252	33154m	4.025	ng	

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

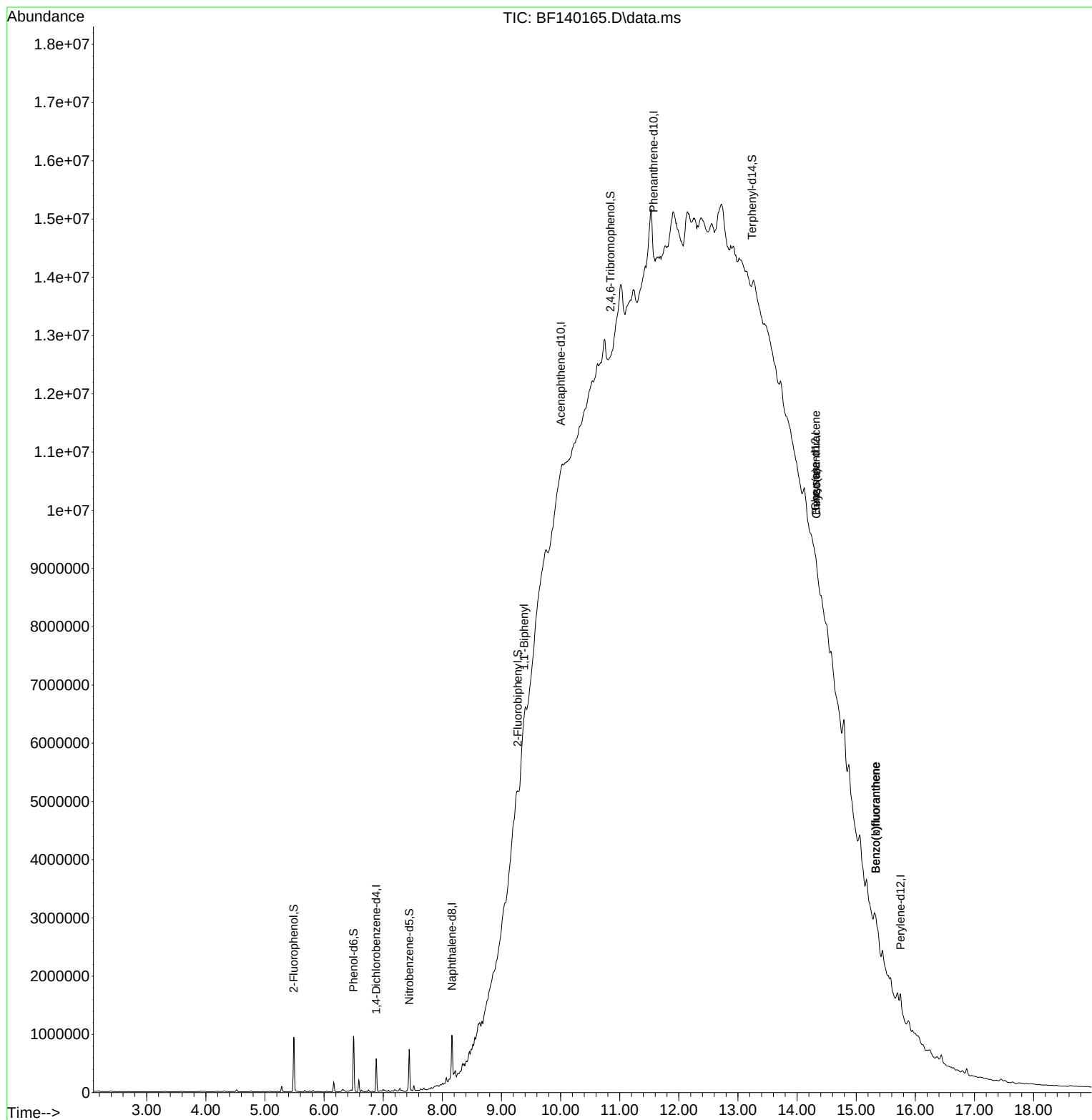
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140165.D
Acq On : 30 Oct 2024 18:39
Operator : RC/JU
Sample : P4612-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

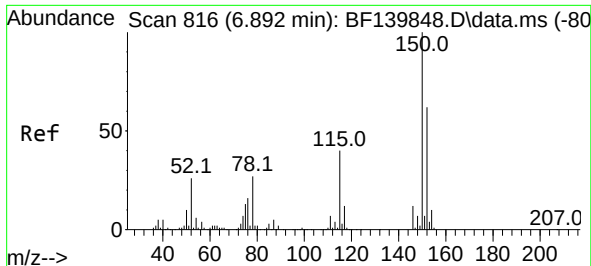
Instrument :
BNA_F
ClientSampleId :
MOO-24-00335

Quant Time: Nov 01 04:41:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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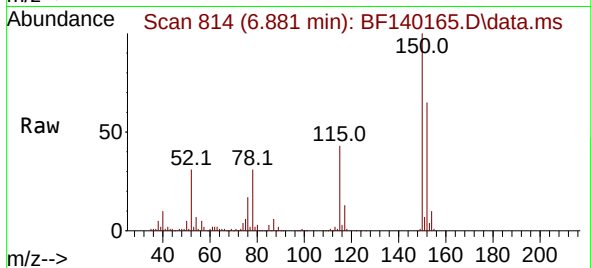
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

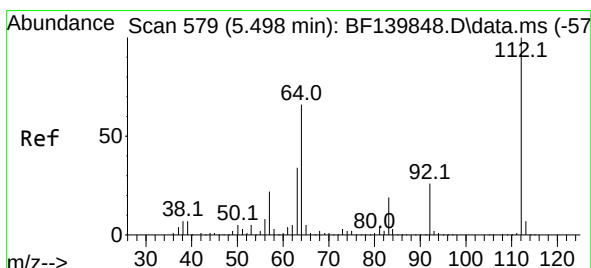
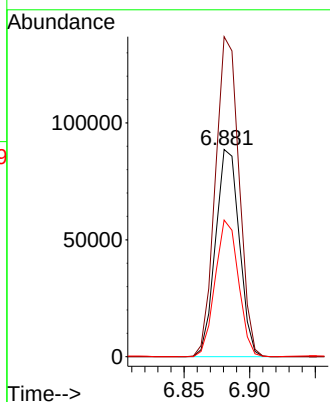
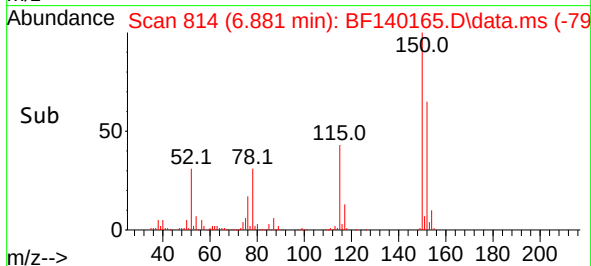
Instrument :
BNA_F
ClientSampleId :
MOO-24-00335



Tgt Ion:152 Resp: 111654
Ion Ratio Lower Upper
152 100
150 154.4 130.2 195.2
115 66.0 51.4 77.2

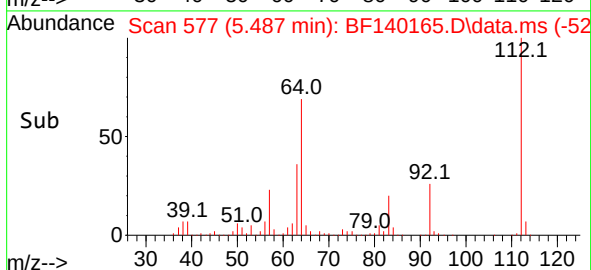
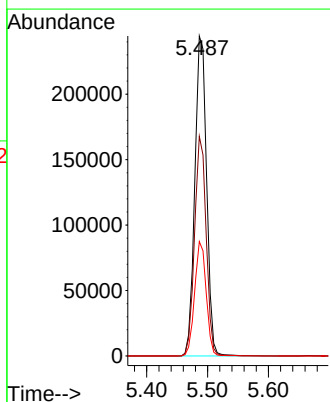
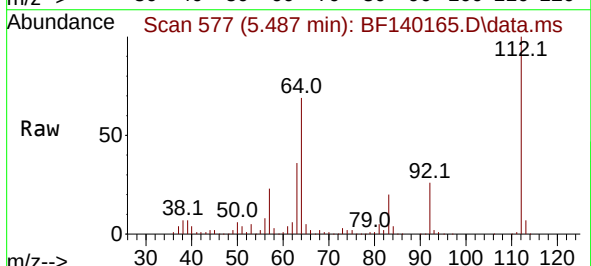
Manual Integrations
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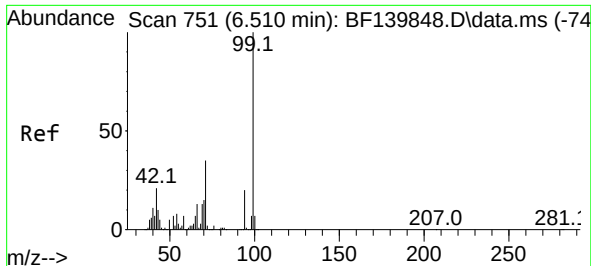
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 45.940 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.012 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

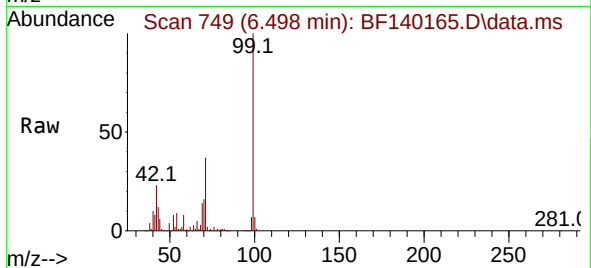
Tgt Ion:112 Resp: 327652
Ion Ratio Lower Upper
112 100
64 68.7 53.0 79.6
63 35.7 27.0 40.4





#7
Phenol-d6
Concen: 44.619 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

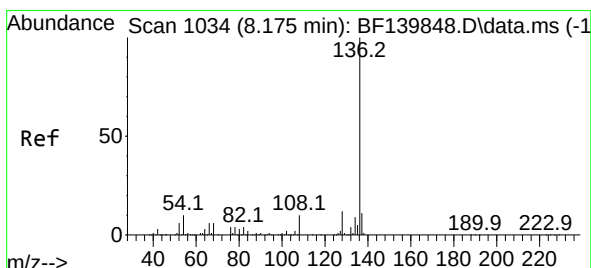
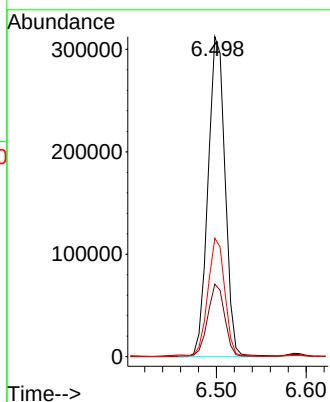
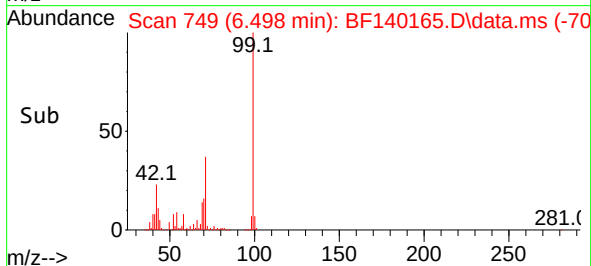
Instrument :
BNA_F
ClientSampleId :
MOO-24-00335



Tgt Ion: 99 Resp: 41216
Ion Ratio Lower Upper
99 100
42 22.6 16.7 25.1
71 37.0 27.7 41.5

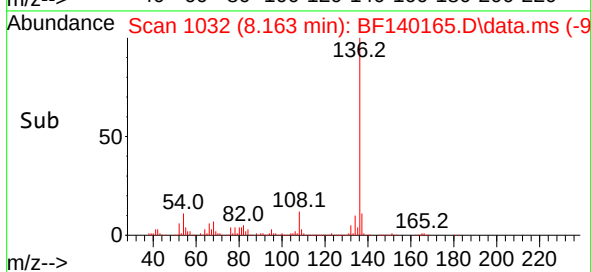
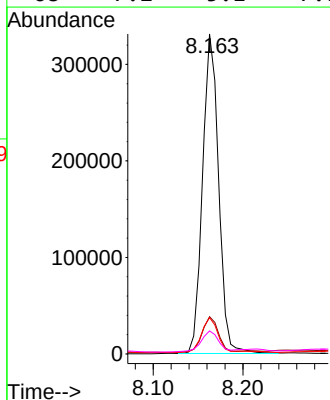
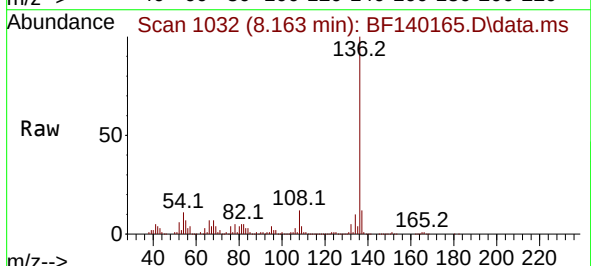
Manual Integrations
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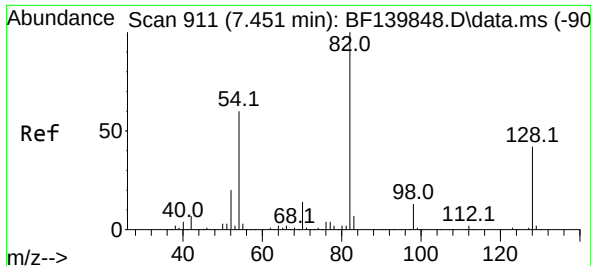
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

Tgt Ion:136 Resp: 411076
Ion Ratio Lower Upper
136 100
137 11.6 8.6 12.8
54 11.3 8.4 12.6
68 7.2 5.1 7.7





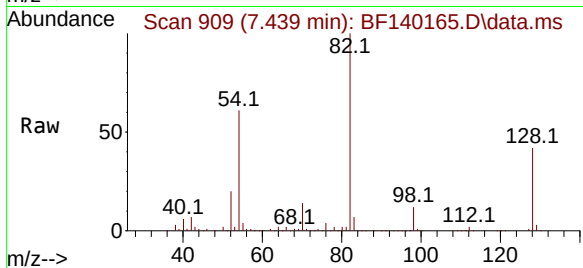
#23
Nitrobenzene-d5
Concen: 38.725 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00335

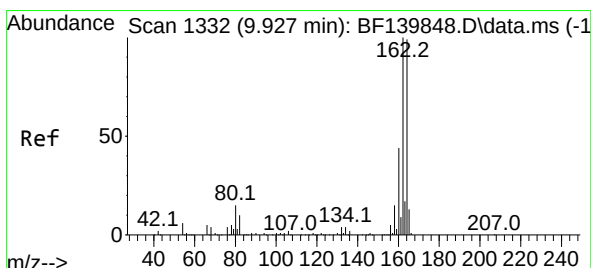
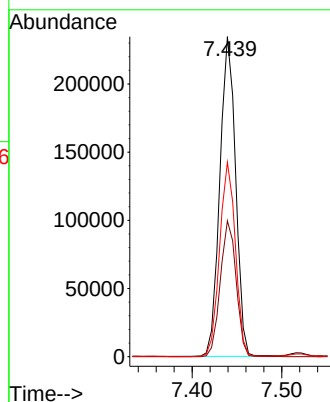
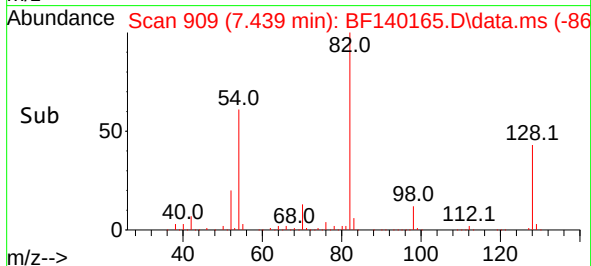


Tgt Ion: 82 Resp: 287225
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.0
54 60.8 47.8 71.8

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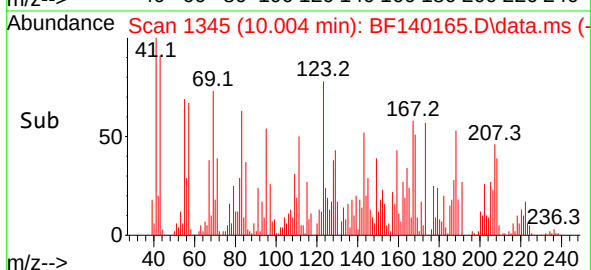
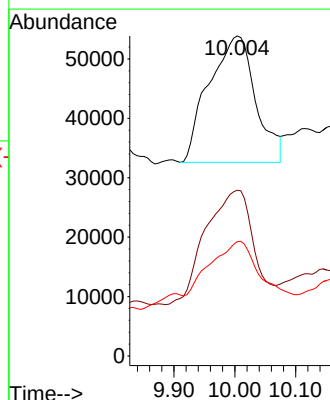
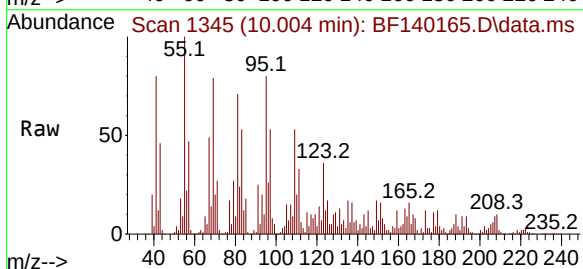
APPROVED

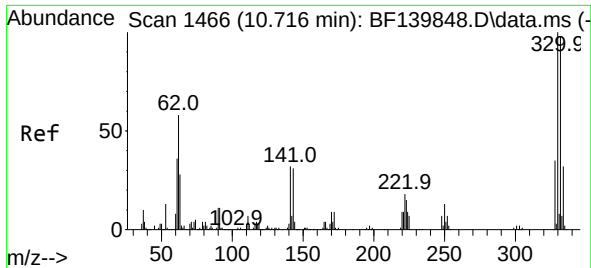
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.077 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

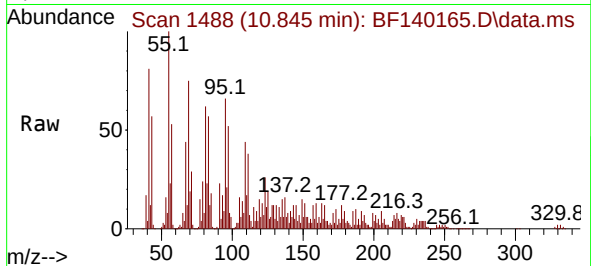
Tgt Ion:164 Resp: 113471
Ion Ratio Lower Upper
164 100
162 51.8 81.0 121.4#
160 35.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 49.294 ng
RT: 10.845 min Scan# 1466
Delta R.T. 0.129 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

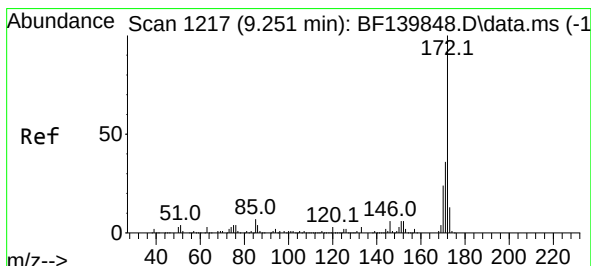
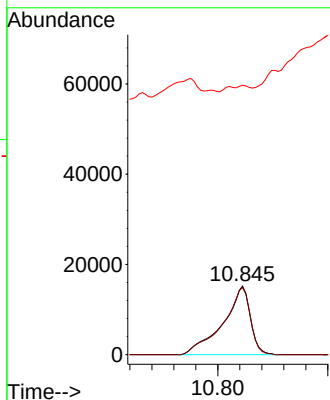
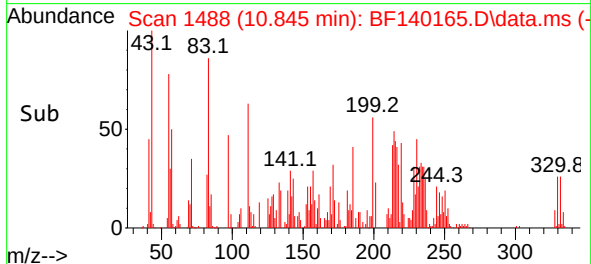
Instrument :
BNA_F
ClientSampleId :
MOO-24-00335



Tgt Ion: 330 Resp: 52319
Ion Ratio Lower Upper
330 100
332 99.3 78.1 117.1
141 0.0 26.6 39.8

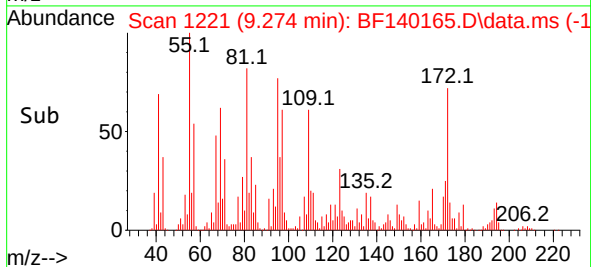
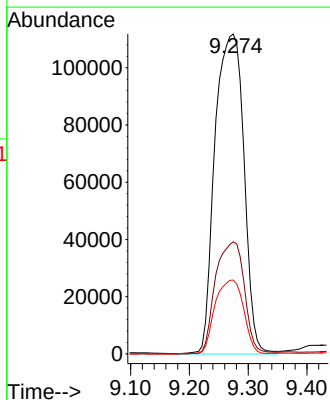
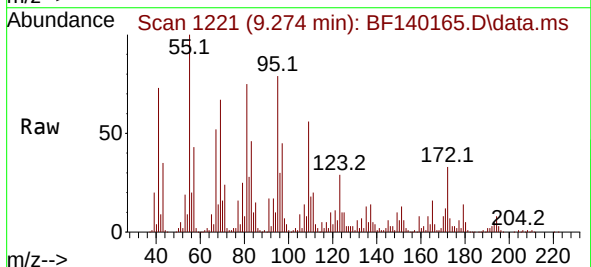
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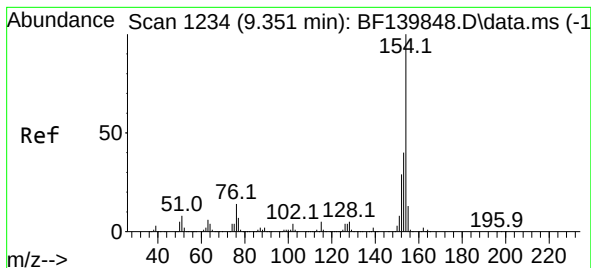
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 55.676 ng
RT: 9.274 min Scan# 1221
Delta R.T. 0.023 min
Lab File: BF140165.D
Acq: 30 Oct 2024 18:39

Tgt Ion: 172 Resp: 382260
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.1 19.1 28.7





#46

1,1'-Biphenyl

Concen: 19.839 ng

RT: 9.386 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00335

Tgt Ion:154 Resp: 15671

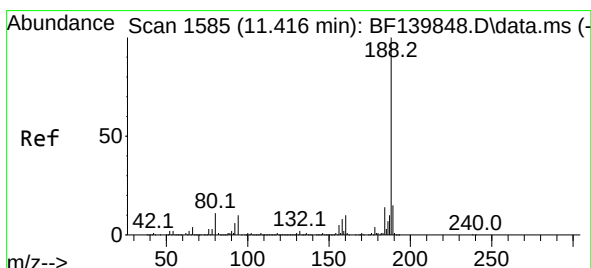
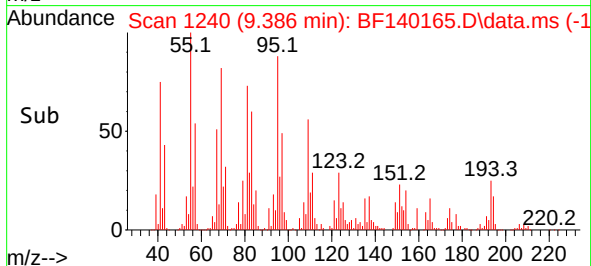
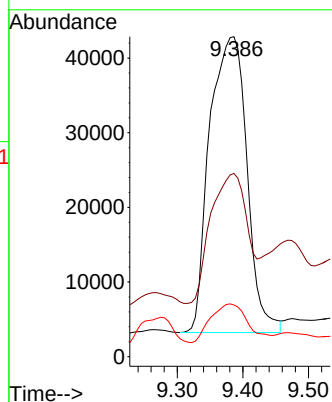
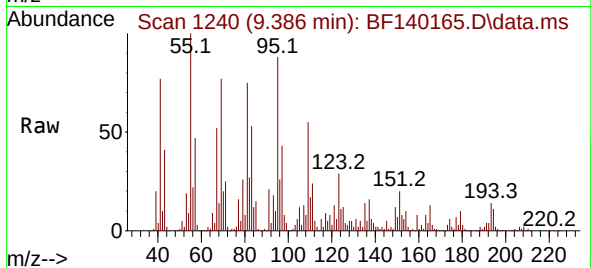
Ion	Ratio	Lower	Upper
154	100		
153	57.3	20.3	60.3
76	16.2	0.0	33.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1612

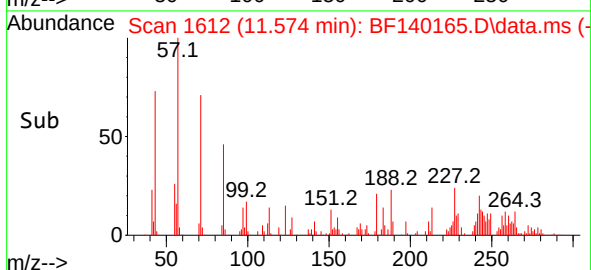
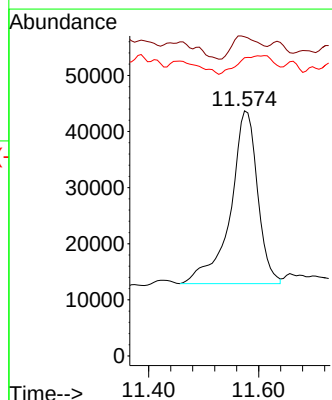
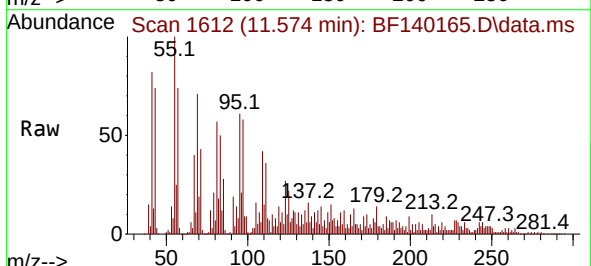
Delta R.T. 0.159 min

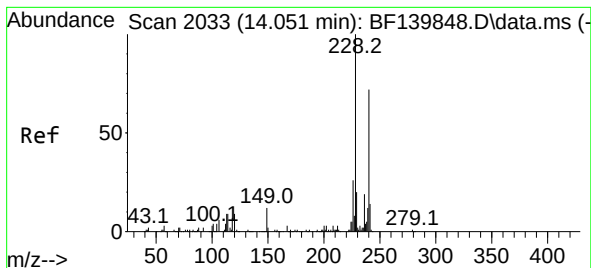
Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Tgt Ion:188 Resp: 105689

Ion	Ratio	Lower	Upper
188	100		
94	130.2	7.9	11.9#
80	121.7	9.0	13.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.309 min Scan# 2033

Delta R.T. 0.259 min

Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00335

Tgt Ion:240 Resp: 16827

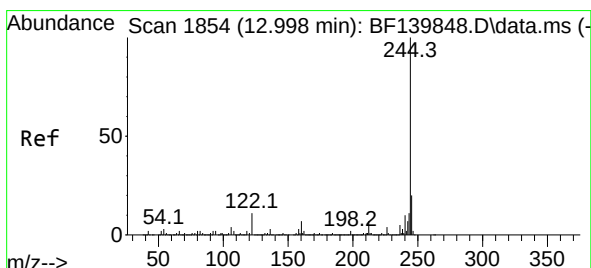
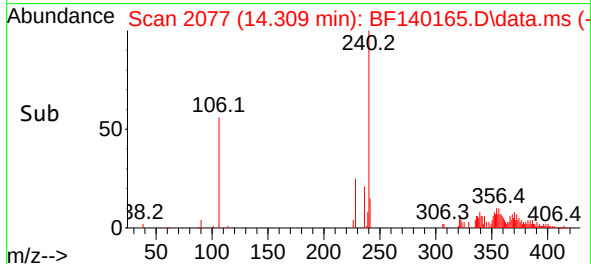
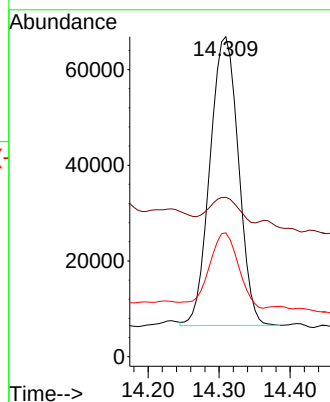
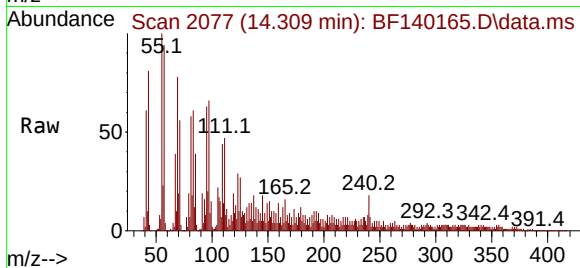
Ion	Ratio	Lower	Upper
240	100		
120	49.8	9.4	14.2
236	38.7	20.9	31.3

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2024



#79

Terphenyl-d14

Concen: 18.312 ng

RT: 13.239 min Scan# 1895

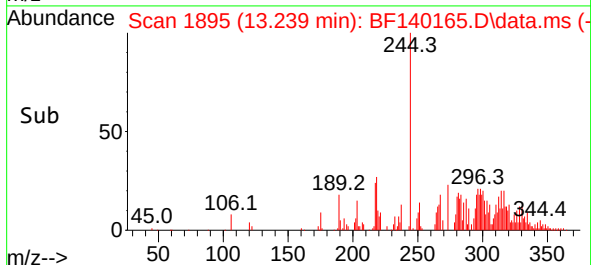
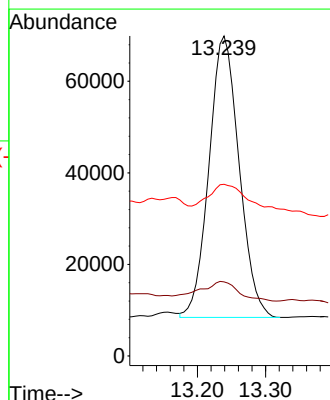
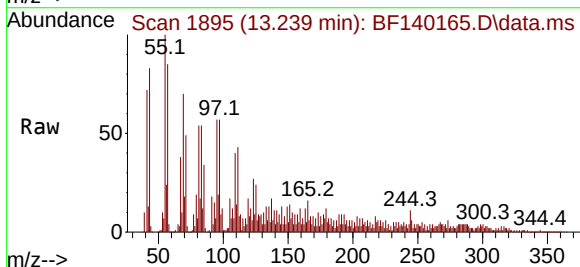
Delta R.T. 0.241 min

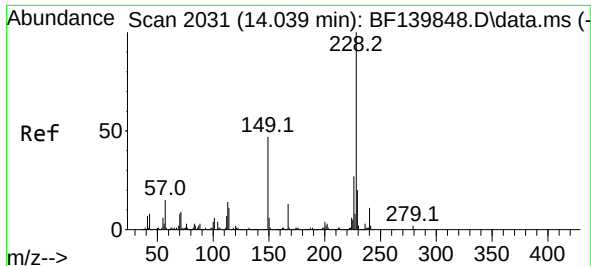
Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Tgt Ion:244 Resp: 189102

Ion	Ratio	Lower	Upper
244	100		
212	23.2	5.7	8.5
122	53.6	8.6	13.0





#81

Benzo(a)anthracene

Concen: 3.643 ng m

RT: 14.321 min Scan# 2031

Delta R.T. 0.282 min

Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Instrument :

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MOO-24-00335

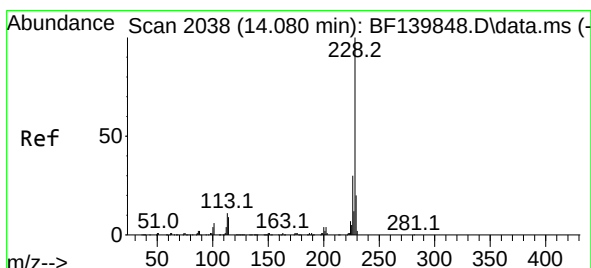
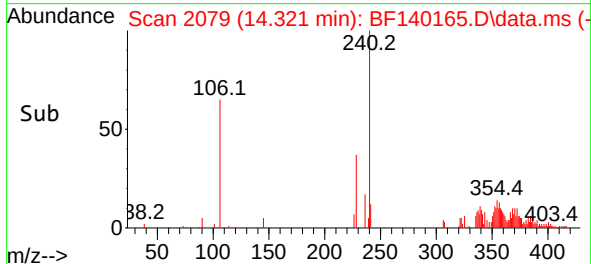
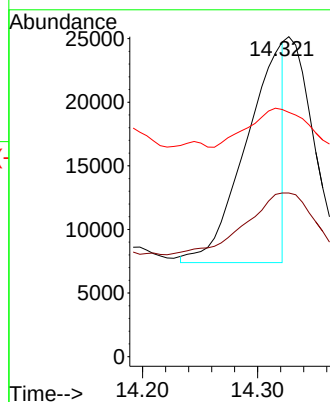
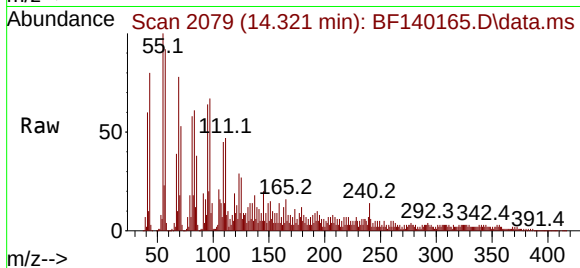
Tgt Ion:228	Resp:	3990
Ion Ratio	Lower	Upper
228	100	
226	52.0	21.6 32.4
229	78.6	16.1 24.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#83

Chrysene

Concen: 3.011 ng m

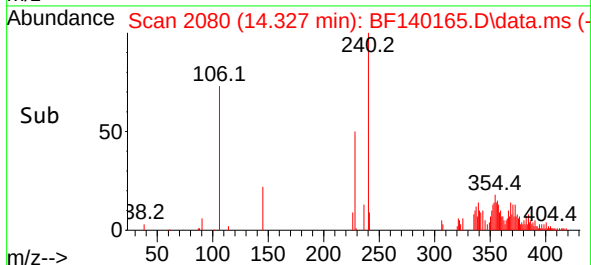
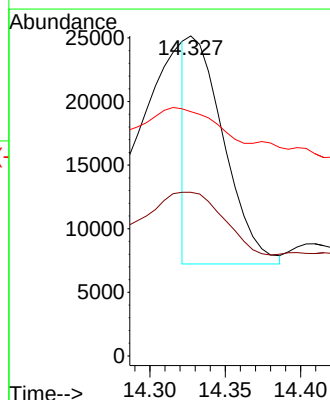
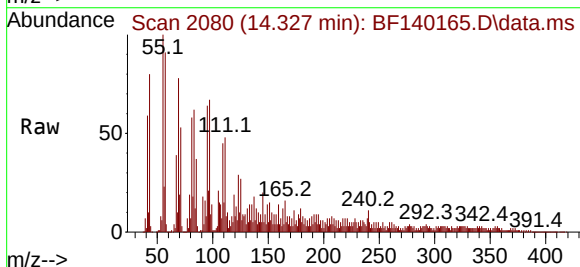
RT: 14.327 min Scan# 2080

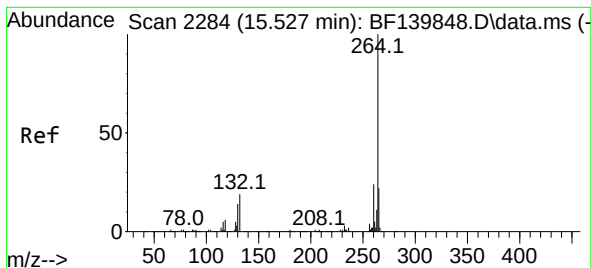
Delta R.T. 0.247 min

Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Tgt Ion:228	Resp:	30237
Ion Ratio	Lower	Upper
228	100	
226	51.1	24.1 36.1
229	76.3	15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.751 min Scan# 21

Delta R.T. 0.223 min

Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00335

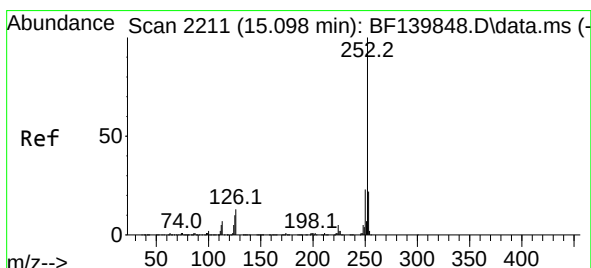
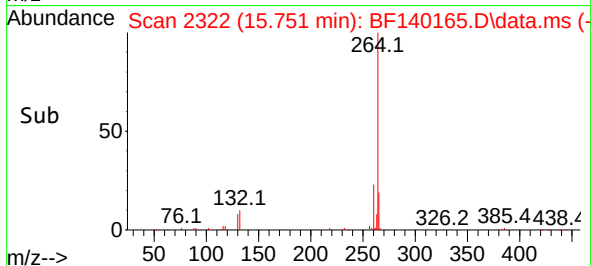
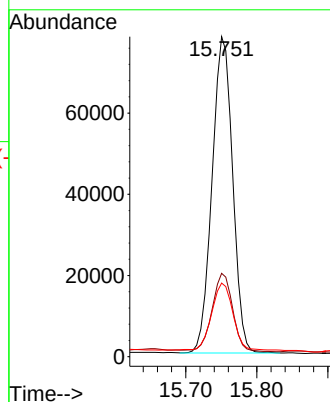
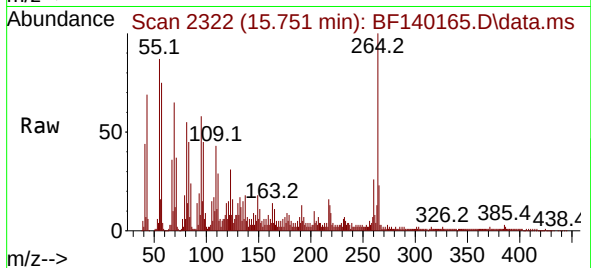
Tgt Ion:	264	Resp:	15678
Ion Ratio	Lower	Upper	
264	100		
260	26.1	19.4	29.2
265	23.0	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#88

Benzo(b)fluoranthene

Concen: 4.056 ng m

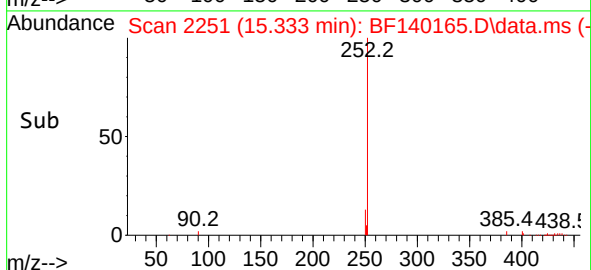
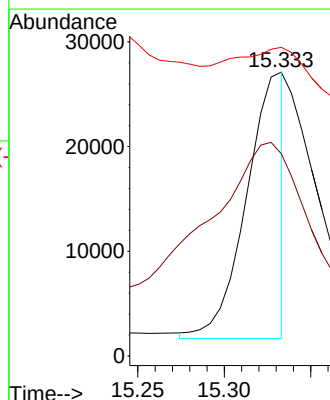
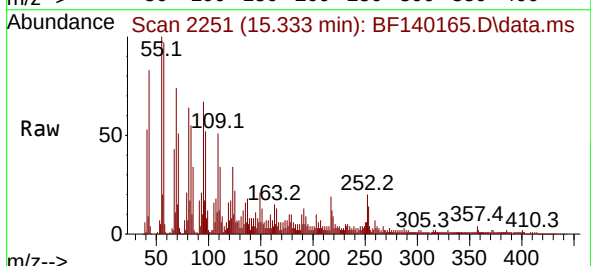
RT: 15.333 min Scan# 2251

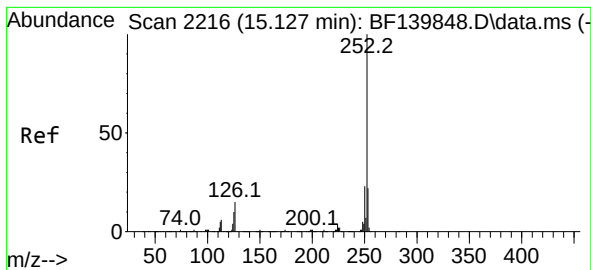
Delta R.T. 0.235 min

Lab File: BF140165.D

Acq: 30 Oct 2024 18:39

Tgt Ion:	252	Resp:	38737
Ion Ratio	Lower	Upper	
252	100		
253	71.2	17.6	26.4#
125	108.7	7.9	11.9#





#89

Benzo(k)fluoranthene

Concen: 4.025 ng m

RT: 15.333 min Scan# 21

Delta R.T. 0.206 min

Lab File: BF140165.D

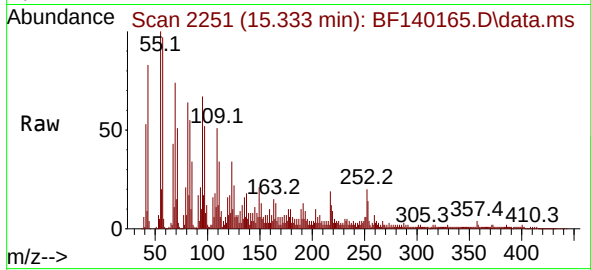
Acq: 30 Oct 2024 18:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00335



Tgt Ion:252 Resp: 33154

Ion Ratio Lower Upper

252 100

253 71.2 17.6 26.4

125 108.7 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024

