

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135594.D
 Acq On : 05 Oct 2023 04:07
 Operator : CG\JU
 Sample : 04703-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-002

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 06:52:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	111577	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	408892	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	189743	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	280326	20.000	ng	0.00
76) Chrysene-d12	13.927	240	194017	20.000	ng	0.00
86) Perylene-d12	15.392	264	193483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	189956	27.690	ng	0.00
7) Phenol-d6	6.387	99	419260	48.063	ng	0.00
23) Nitrobenzene-d5	7.304	82	271399	36.061	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	10167	5.392	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	503075	40.001	ng	0.00
79) Terphenyl-d14	12.857	244	357117	28.534	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.292	178	88509	6.676	ng	98
75) Fluoranthene	12.486	202	93795	6.789	ng	99
78) Pyrene	12.716	202	105967	5.737	ng	100
81) Benzo(a)anthracene	13.915	228	43279	3.455	ng	96
83) Chrysene	13.951	228	44068m	3.538	ng	
88) Benzo(b)fluoranthene	14.968	252	46472m	4.437	ng	
90) Benzo(a)pyrene	15.333	252	35355	3.540	ng	# 80

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

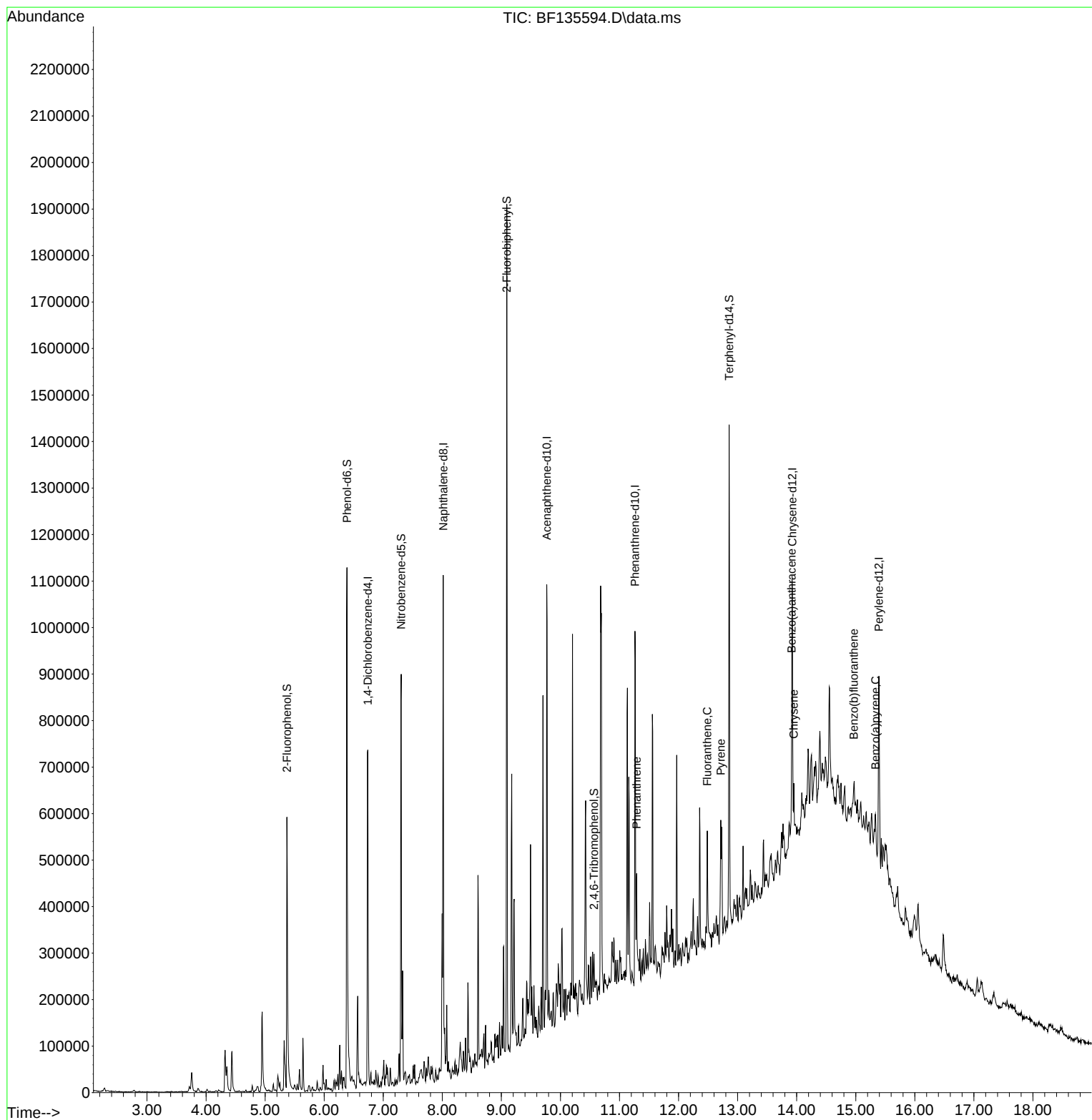
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
Data File : BF135594.D
Acq On : 05 Oct 2023 04:07
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Quant Time: Oct 05 06:52:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
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Manual Integrations
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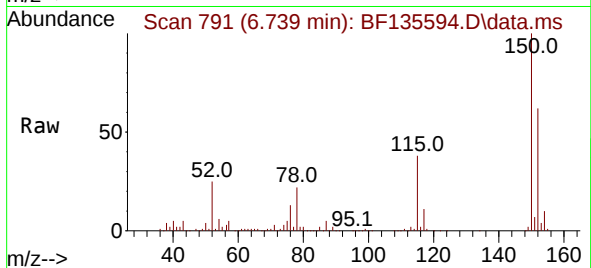
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

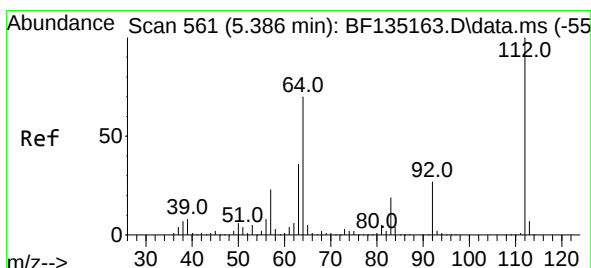
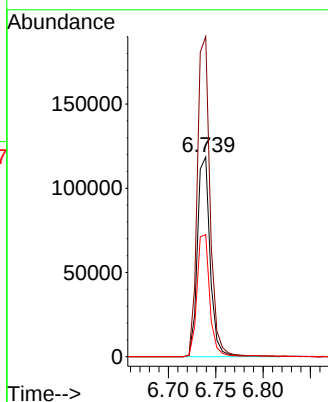
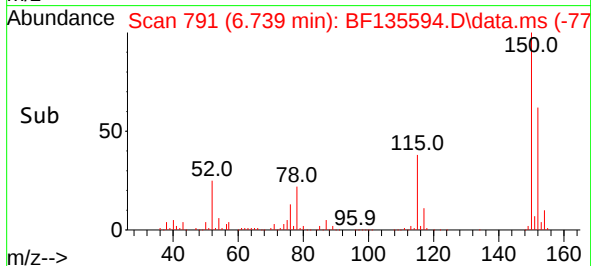
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002



Tgt Ion:152 Resp: 111572
Ion Ratio Lower Upper
152 100
150 160.2 127.8 191.6
115 61.1 49.8 74.8

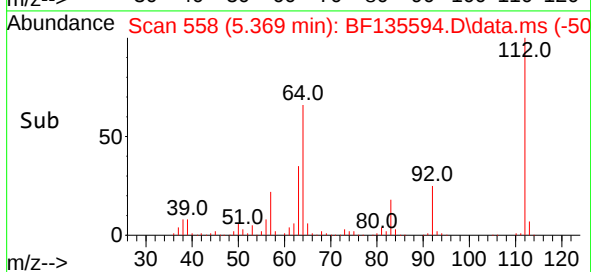
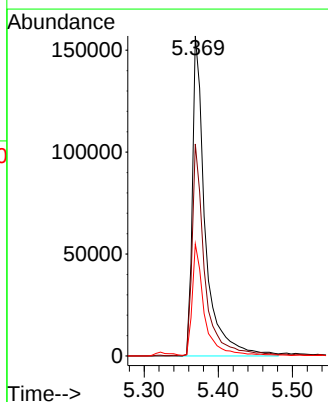
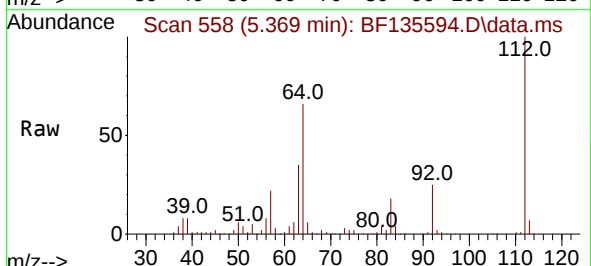
Manual Integrations
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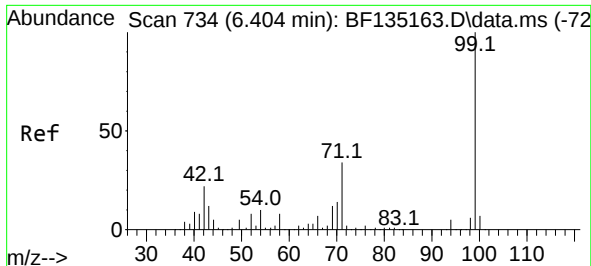
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#5
2-Fluorophenol
Concen: 27.690 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

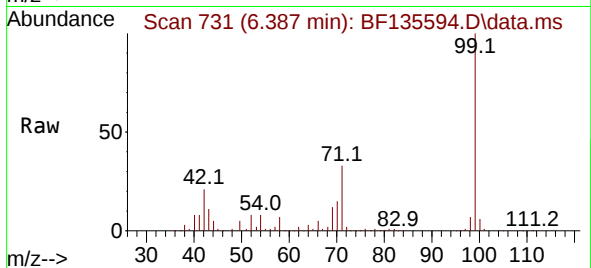
Tgt Ion:112 Resp: 189956
Ion Ratio Lower Upper
112 100
64 66.3 55.9 83.9
63 35.0 29.0 43.6





#7
Phenol-d6
Concen: 48.063 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

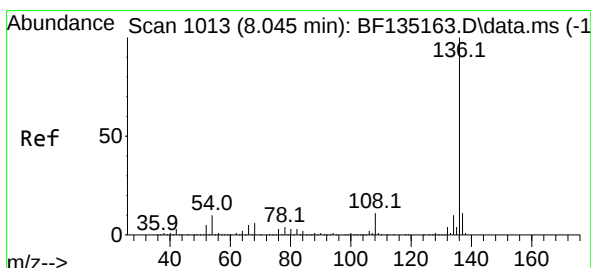
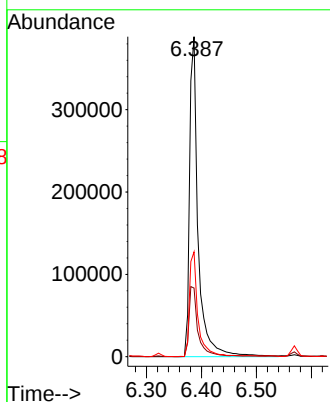
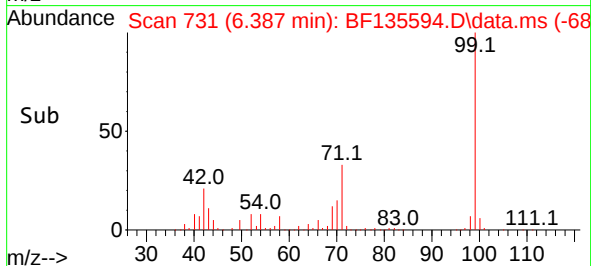
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002



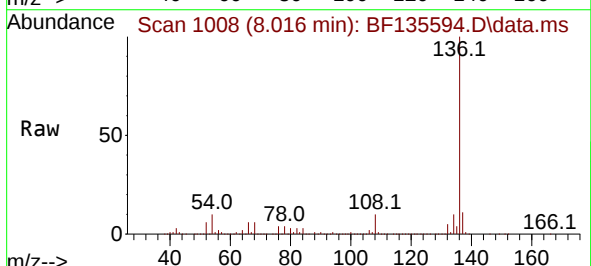
Tgt Ion: 99 Resp: 419260
Ion Ratio Lower Upper
99 100
42 21.4 17.9 26.9
71 32.8 27.0 40.6

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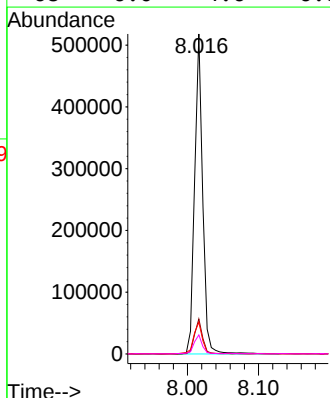
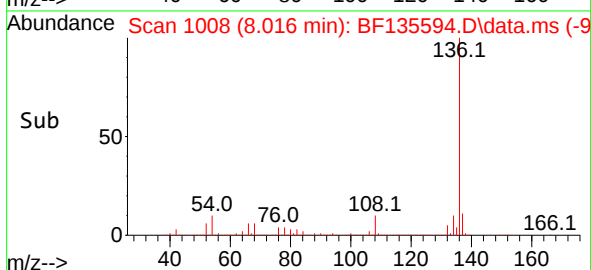
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07



Tgt Ion:136 Resp: 408892
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.9 7.7 11.5
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 36.061 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

Tgt Ion: 82 Resp: 271399

Ion Ratio Lower Upper

82 100

128 46.1 35.8 53.6

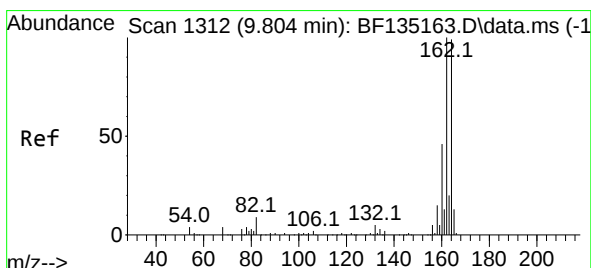
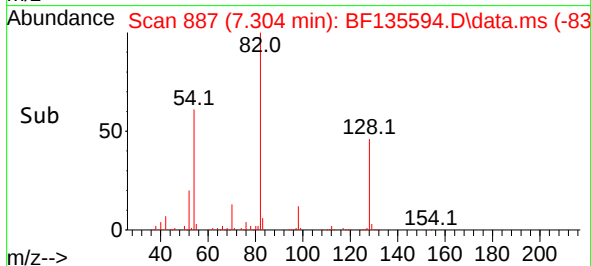
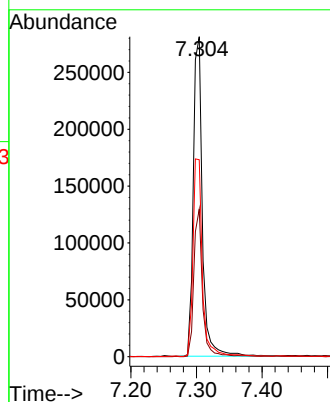
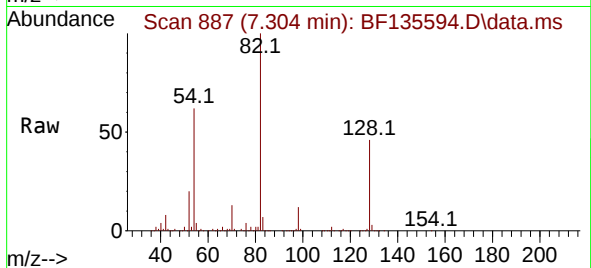
54 61.5 50.6 76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

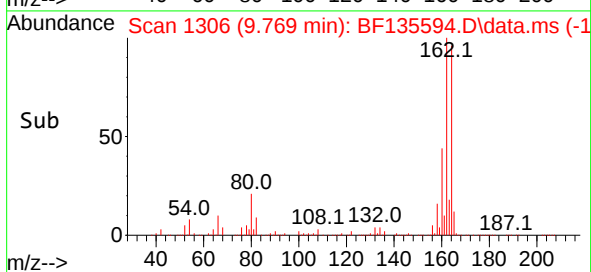
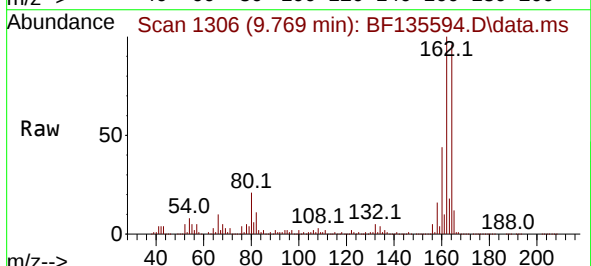
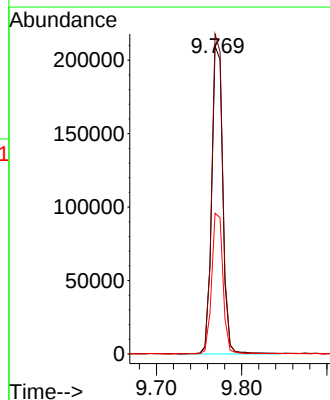
Tgt Ion:164 Resp: 189743

Ion Ratio Lower Upper

164 100

162 103.9 81.0 121.4

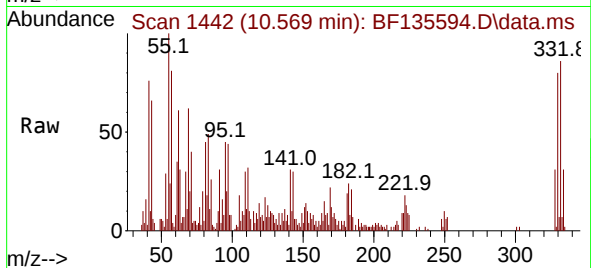
160 45.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 5.392 ng
RT: 10.569 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

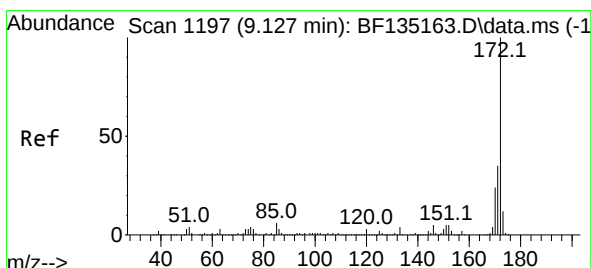
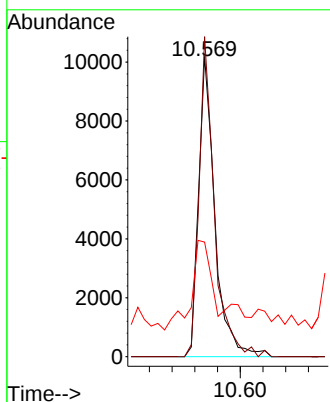
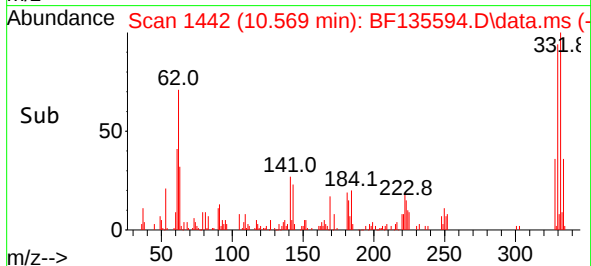
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002



Tgt Ion: 330 Resp: 1016
Ion Ratio Lower Upper
330 100
332 100.5 77.3 115.9
141 38.6 25.8 38.8

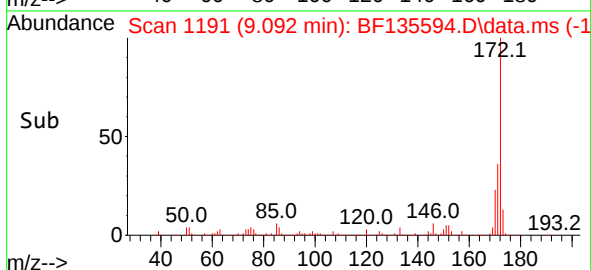
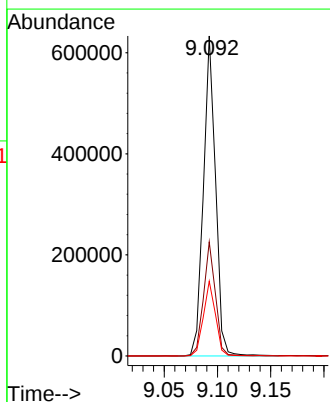
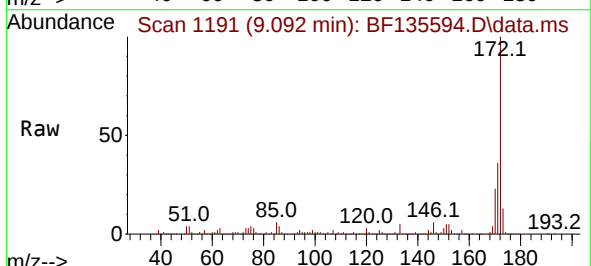
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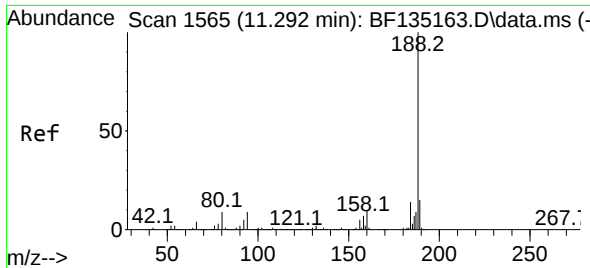
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#45
2-Fluorobiphenyl
Concen: 40.001 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

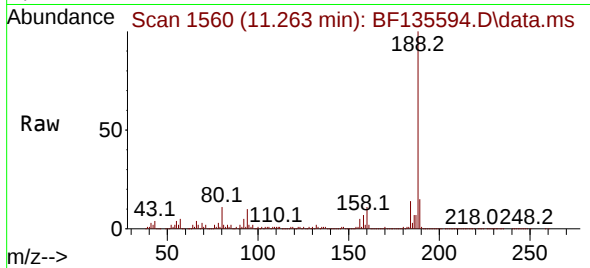
Tgt Ion: 172 Resp: 503075
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

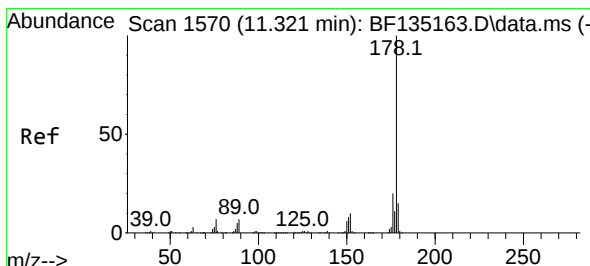
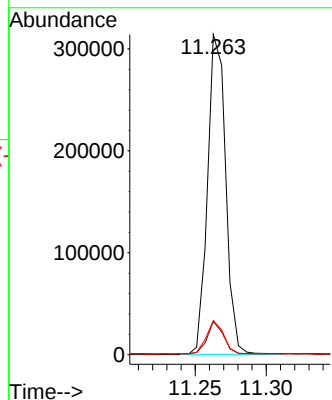
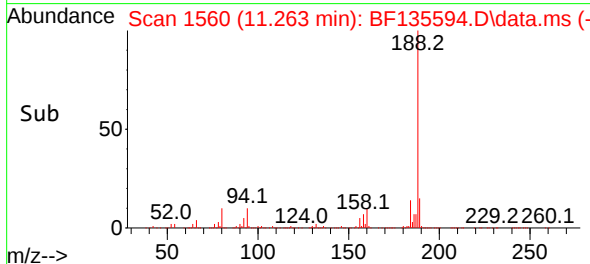
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002



Tgt Ion:188 Resp: 280320
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.6
80 10.7 7.5 11.3

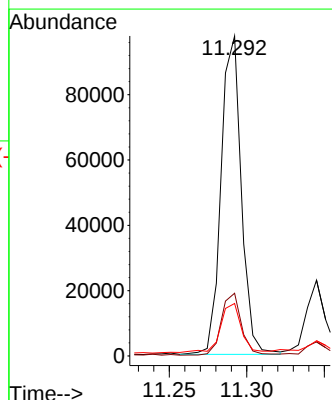
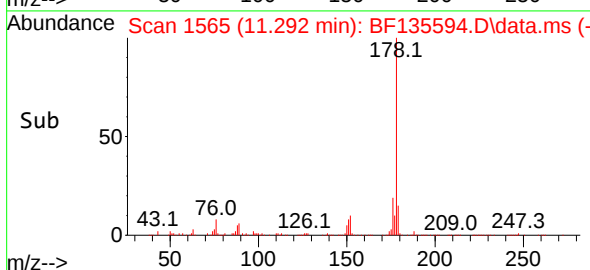
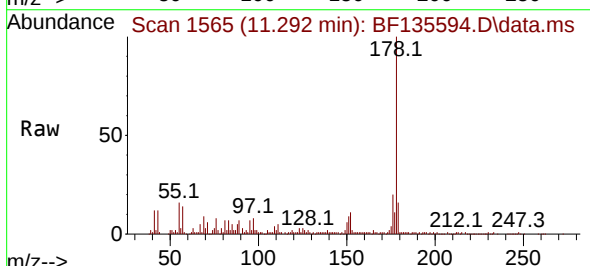
Manual Integrations
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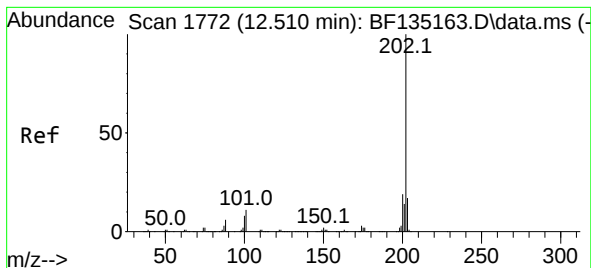
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#71
Phenanthrene
Concen: 6.676 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Tgt Ion:178 Resp: 88509
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 16.4 12.0 18.0





#75

Fluoranthene

Concen: 6.789 ng

RT: 12.486 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

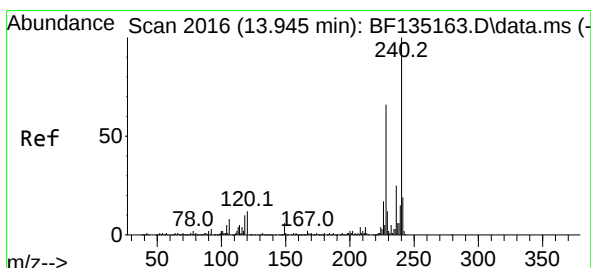
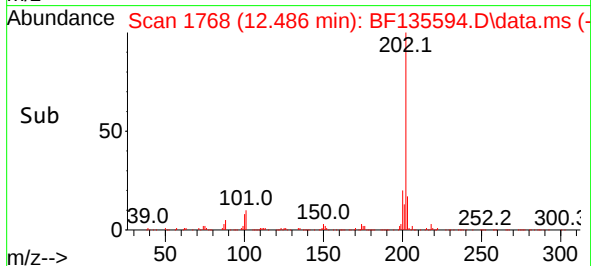
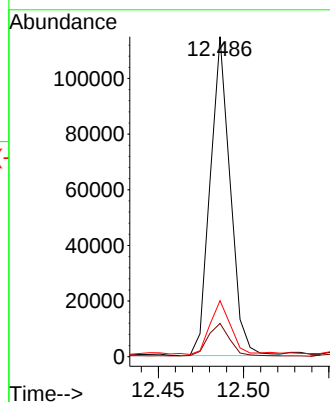
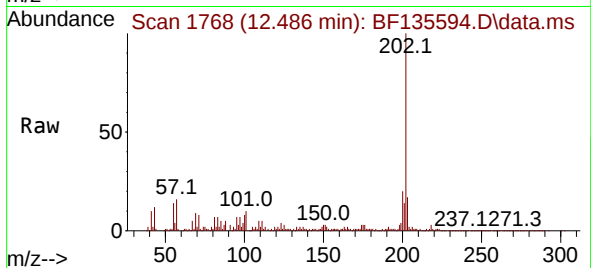
Tgt Ion:	202	Resp:	9379
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.3
203	17.5	0.0	37.4

Manual Integrations

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Supervised By :mohammad ahmed 10/06/2023



#76

Chrysene-d12

Concen: 20.000 ng

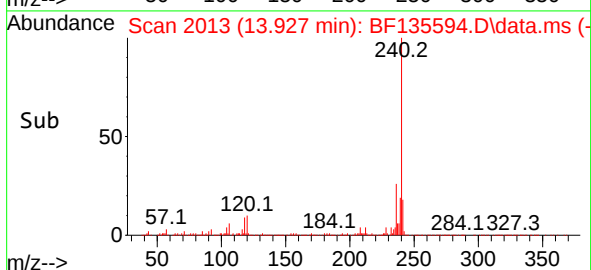
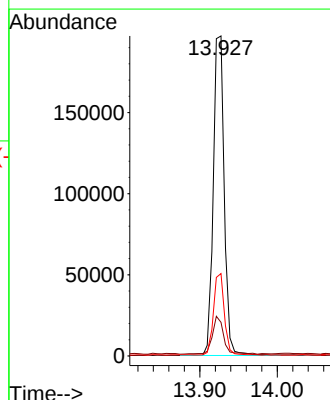
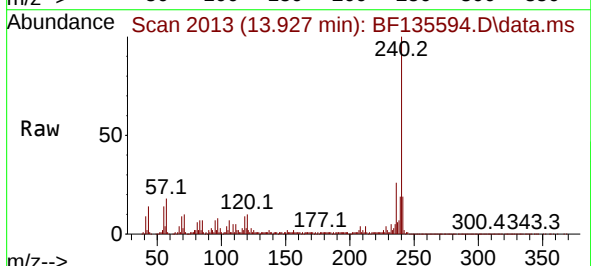
RT: 13.927 min Scan# 2013

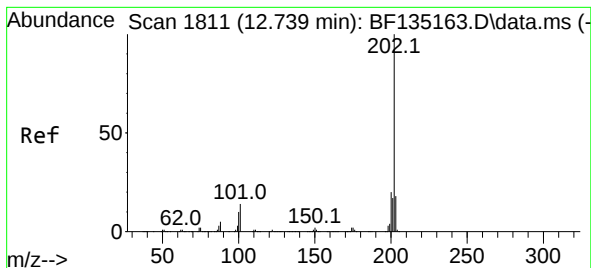
Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Tgt Ion:	240	Resp:	194017
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.4	14.2
236	25.8	19.8	29.8





#78

Pyrene

Concen: 5.737 ng

RT: 12.716 min Scan# 1807

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

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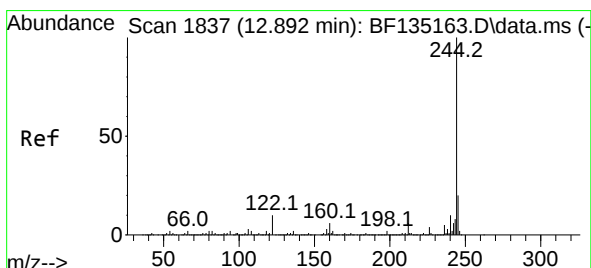
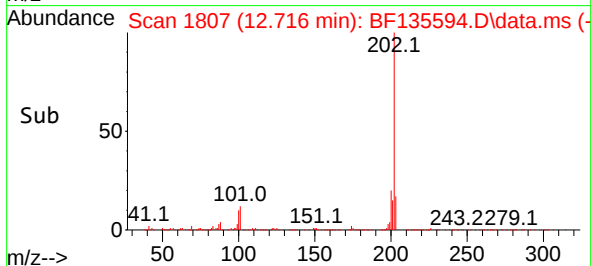
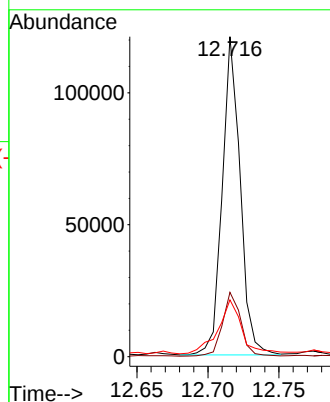
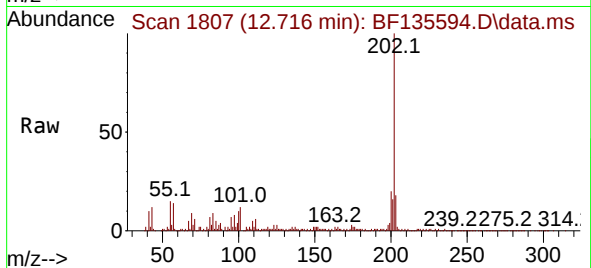
Tgt Ion:	202	Resp:	10596
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.2	24.2
203	17.8	14.2	21.4

Manual Integrations

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Supervised By :mohammad ahmed 10/06/2023



#79

Terphenyl-d14

Concen: 28.534 ng

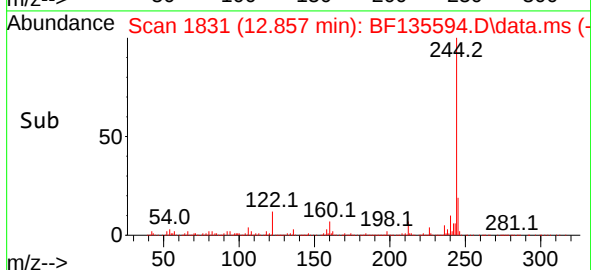
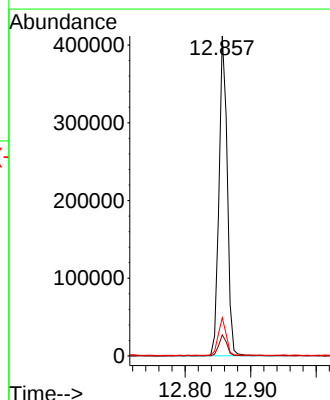
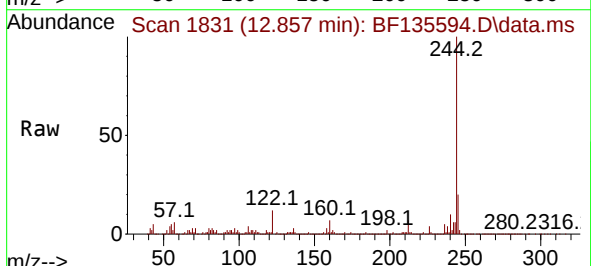
RT: 12.857 min Scan# 1831

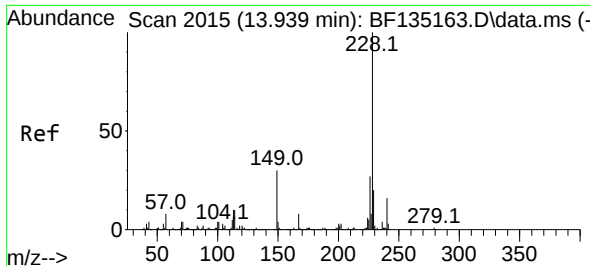
Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

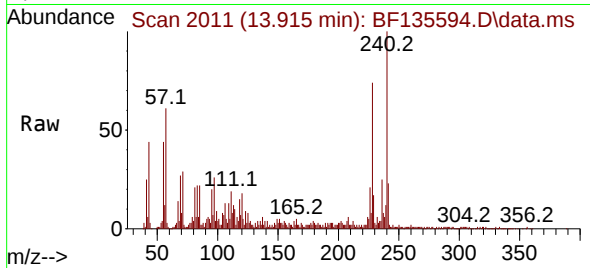
Tgt Ion:	244	Resp:	357117
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.1	7.7
122	11.9	7.9	11.9





#81
Benzo(a)anthracene
Concen: 3.455 ng
RT: 13.915 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

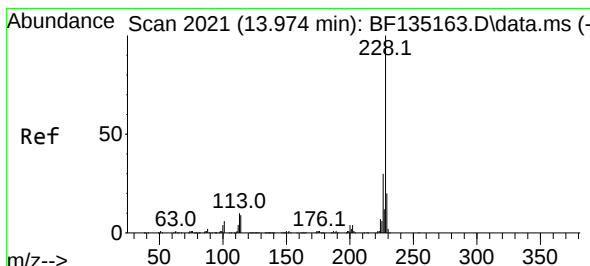
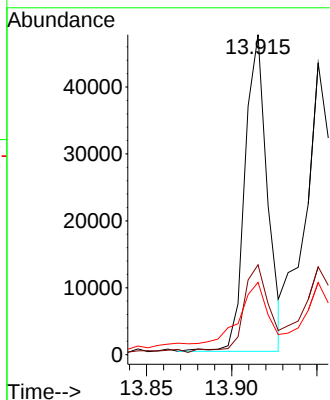
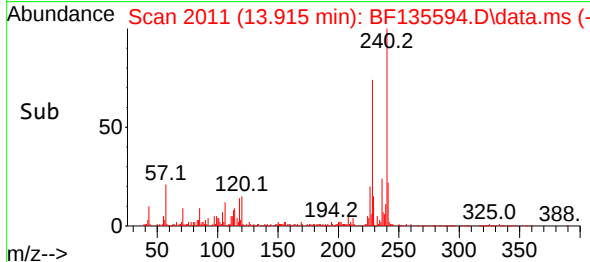
Instrument :
BNA_F
Client Sample Id :
E9066-OB-002



Tgt Ion:228 Resp: 43279
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 22.6 15.8 23.8

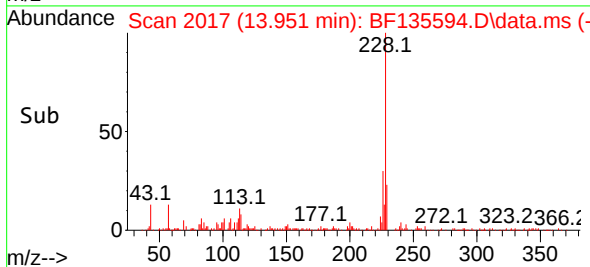
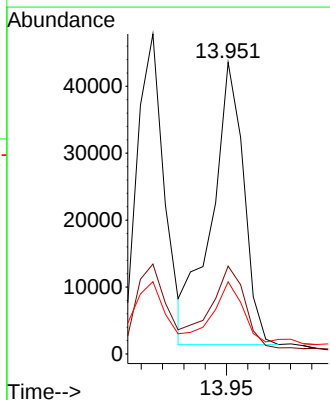
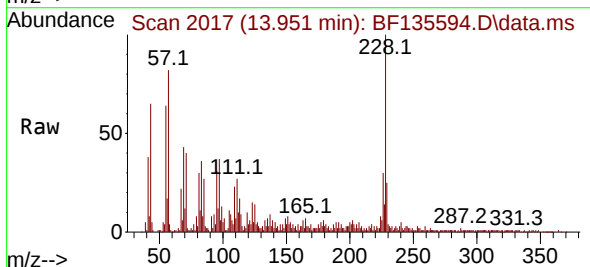
Manual Integrations
APPROVED

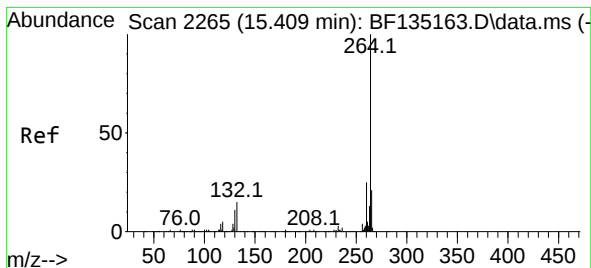
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#83
Chrysene
Concen: 3.538 ng m
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Tgt Ion:228 Resp: 44068
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 24.8 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

Tgt Ion:264 Resp: 19348

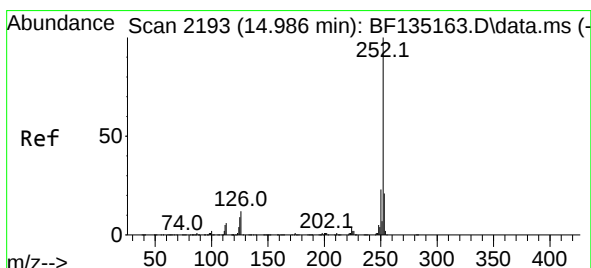
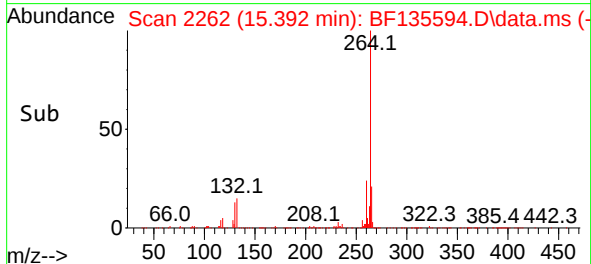
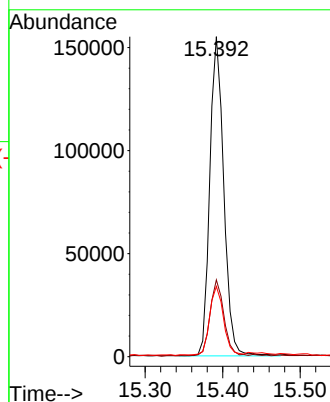
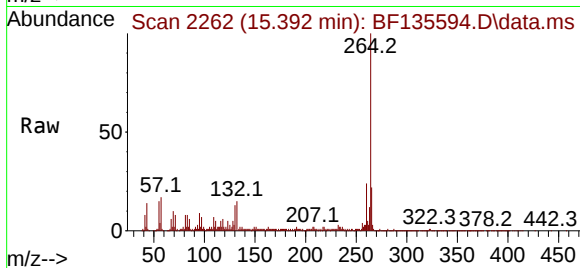
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	21.9	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#88

Benzo(b)fluoranthene

Concen: 4.437 ng m

RT: 14.968 min Scan# 2190

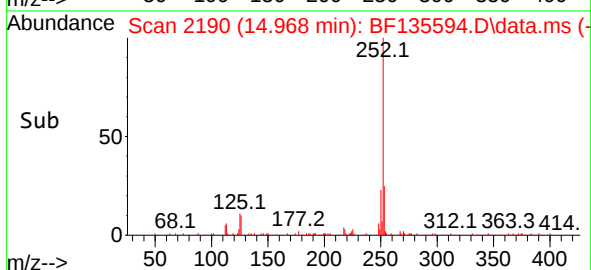
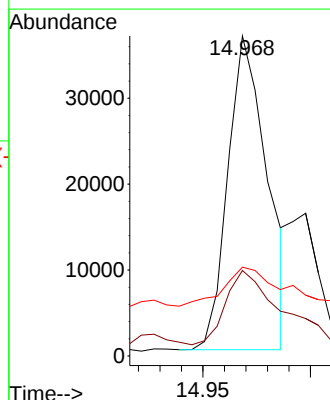
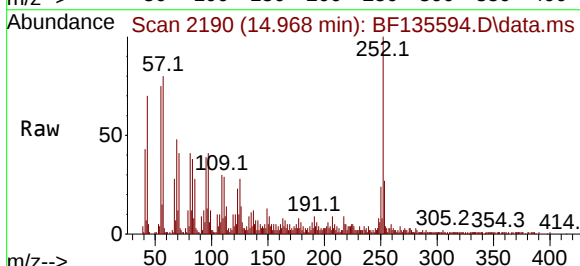
Delta R.T. 0.006 min

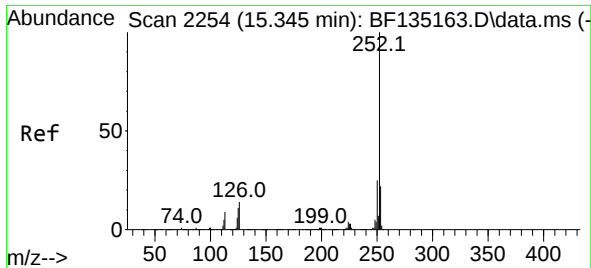
Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Tgt Ion:252 Resp: 46472

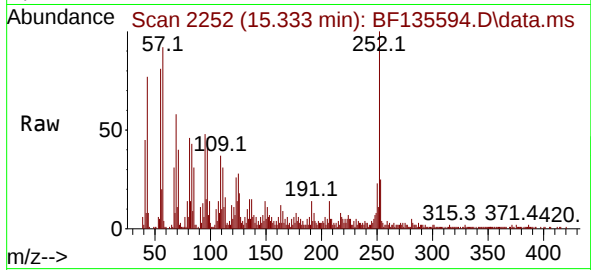
Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.2	25.8#
125	27.8	7.1	10.7#





#90
Benzo(a)pyrene
Concen: 3.540 ng
RT: 15.333 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Instrument :
BNA_F
ClientSampleId :
E9066-OB-002



Tgt Ion:252 Resp: 3535

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	28.2	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

