

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135828.D
 Acq On : 17 Oct 2023 23:35
 Operator : CG\JU
 Sample : 04892-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-10132023-A

Quant Time: Oct 18 02:04:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	76455	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	250410	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	100905	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	197816	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	162714	20.000	ng	-0.01
86) Perylene-d12	15.421	264	126029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	248059	52.164	ng	0.00
7) Phenol-d6	6.398	99	284996	48.032	ng	0.00
23) Nitrobenzene-d5	7.304	82	169447	37.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	55885	57.717	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	264339	40.959	ng	-0.01
79) Terphenyl-d14	12.869	244	318696	36.272	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	44234	4.668	ng	99
75) Fluoranthene	12.498	202	74311	7.065	ng	96
78) Pyrene	12.727	202	77753	6.013	ng	99
81) Benzo(a)anthracene	13.933	228	30868	2.888	ng	98
83) Chrysene	13.968	228	30848	2.980	ng	94
88) Benzo(b)fluoranthene	14.992	252	27968m	3.965	ng	
90) Benzo(a)pyrene	15.363	252	20616	3.108	ng	# 81
92) Benzo(g,h,i)perylene	17.409	276	12733	2.202	ng	# 92

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

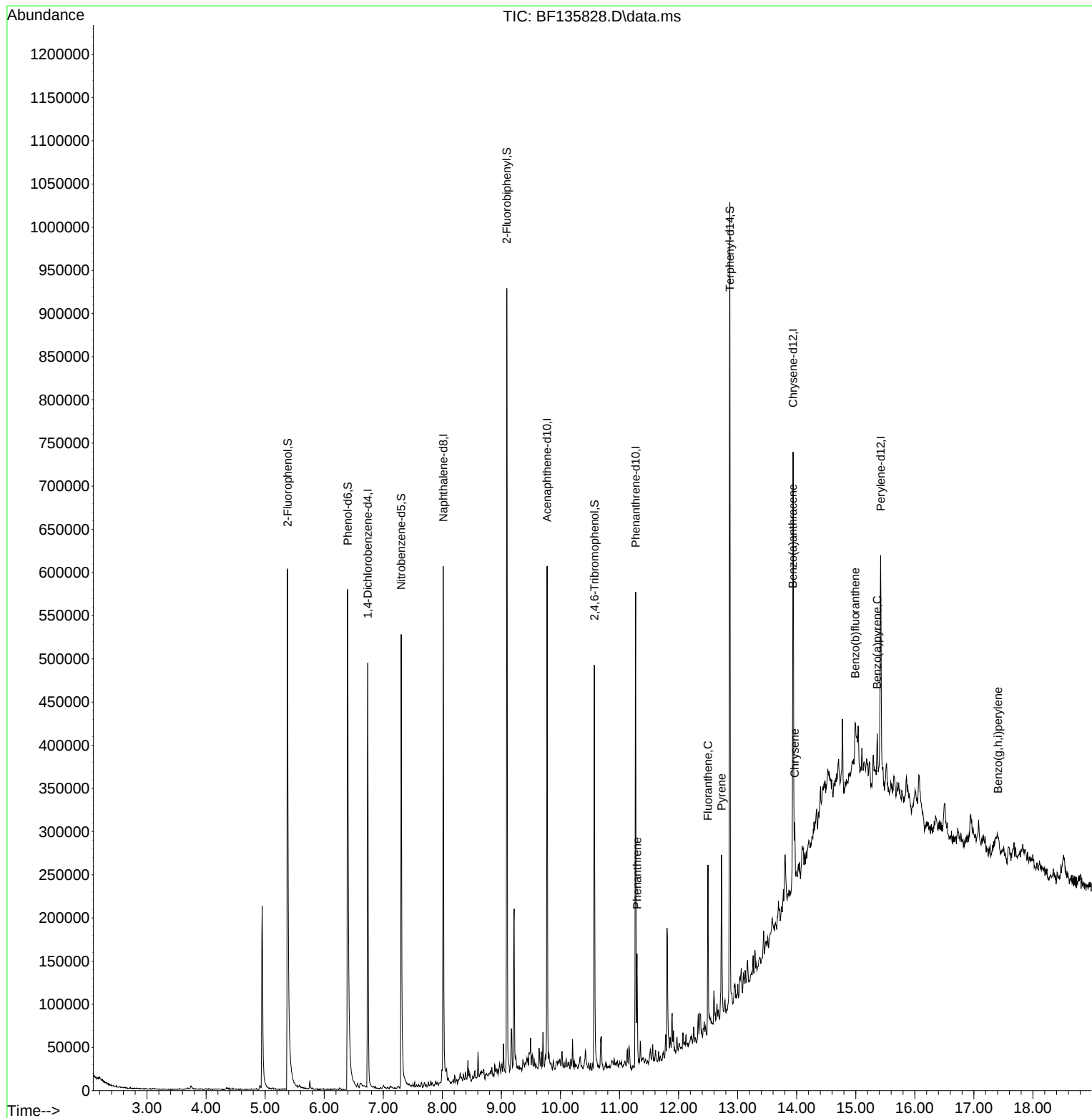
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
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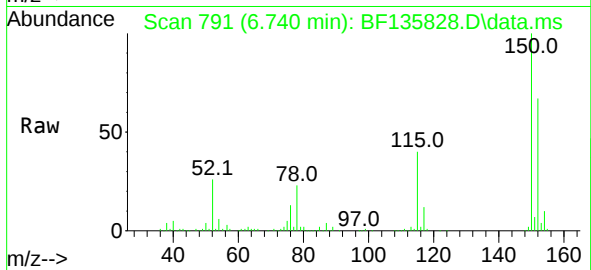
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

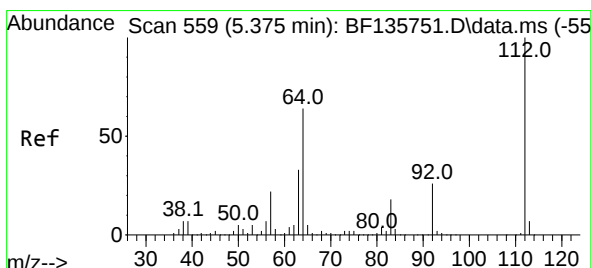
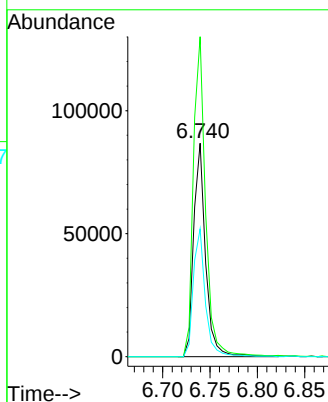
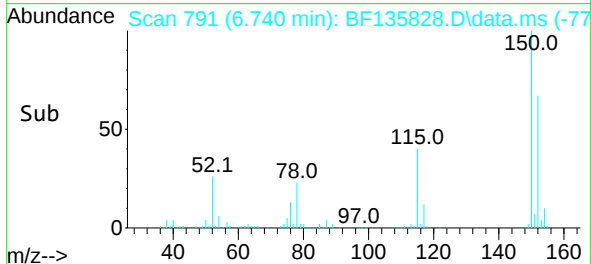
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A



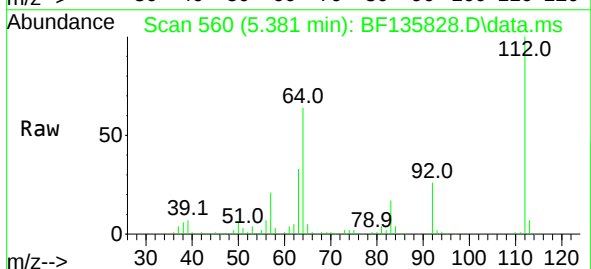
Tgt Ion:152 Resp: 76458
Ion Ratio Lower Upper
152 100
150 149.9 124.5 186.7
115 59.9 49.0 73.4

Manual Integrations
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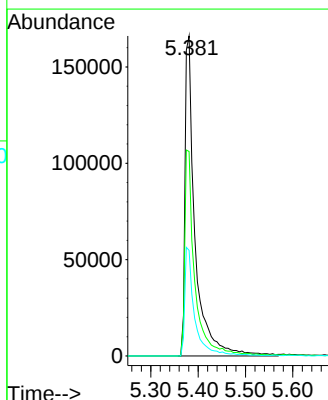
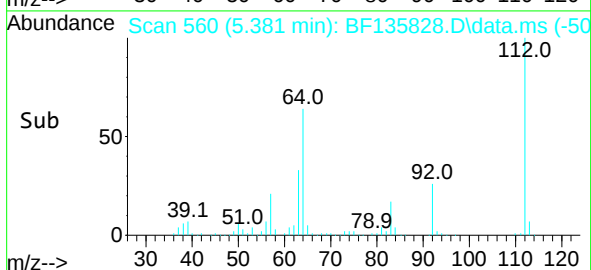
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

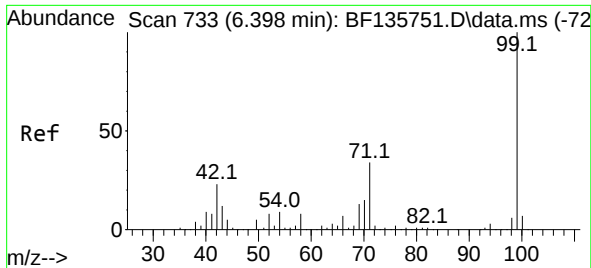


#5
2-Fluorophenol
Concen: 52.164 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35



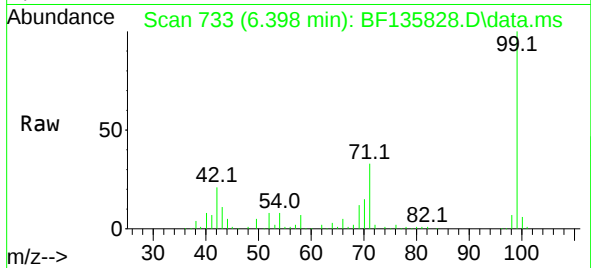
Tgt Ion:112 Resp: 248059
Ion Ratio Lower Upper
112 100
64 63.9 51.2 76.8
63 33.0 26.1 39.1





#7
Phenol-d6
Concen: 48.032 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

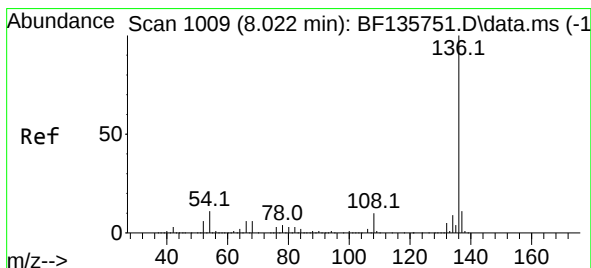
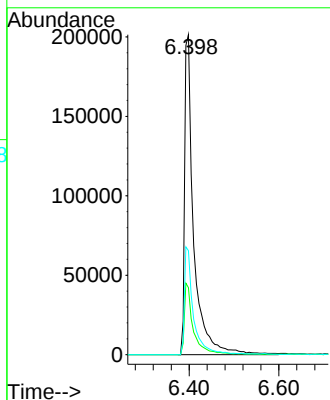
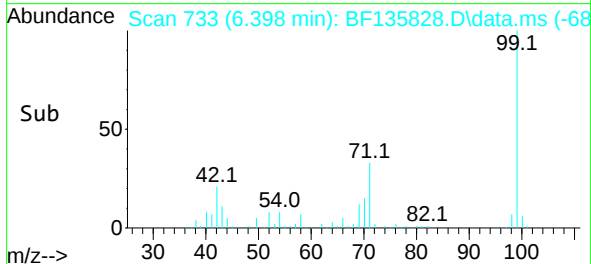
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A



Tgt Ion: 99 Resp: 284990
Ion Ratio Lower Upper
99 100
42 20.9 18.4 27.6
71 32.5 27.2 40.8

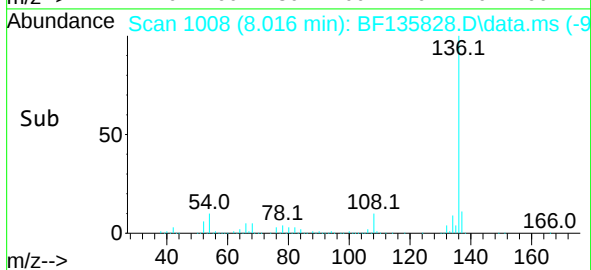
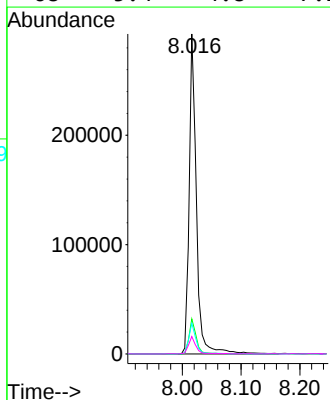
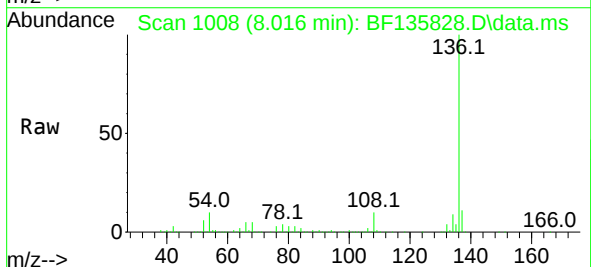
Manual Integrations
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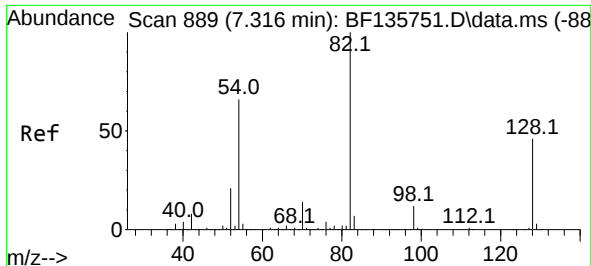
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion:136 Resp: 250410
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.6 8.5 12.7
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 37.217 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

Tgt Ion: 82 Resp: 16944

Ion Ratio Lower Upper

82 100

128 43.3 37.0 55.6

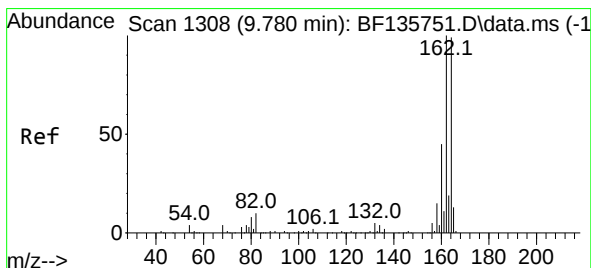
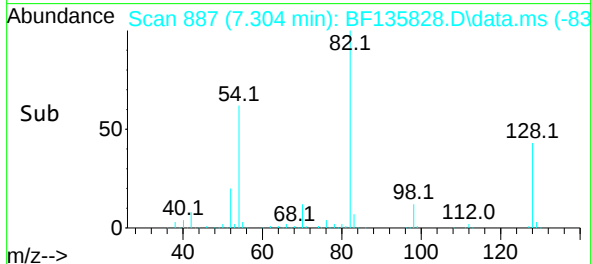
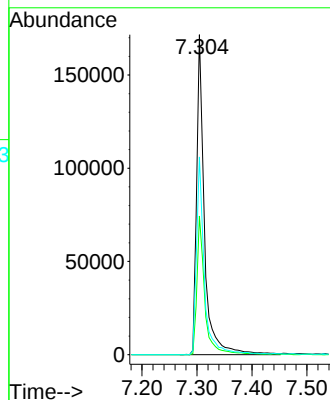
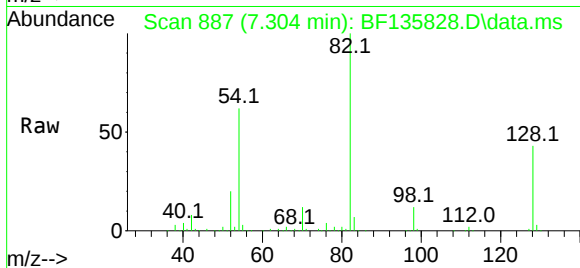
54 61.8 52.8 79.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

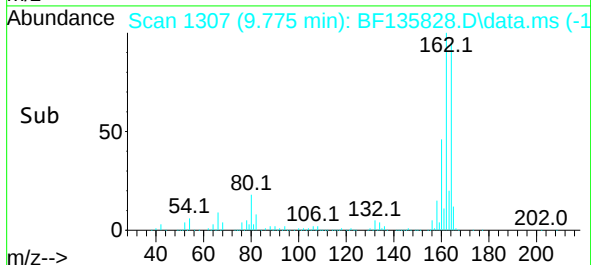
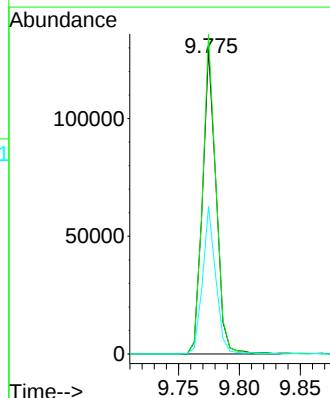
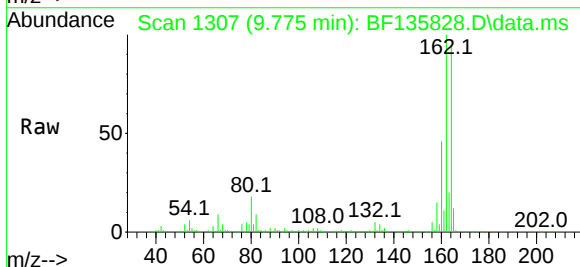
Tgt Ion:164 Resp: 100905

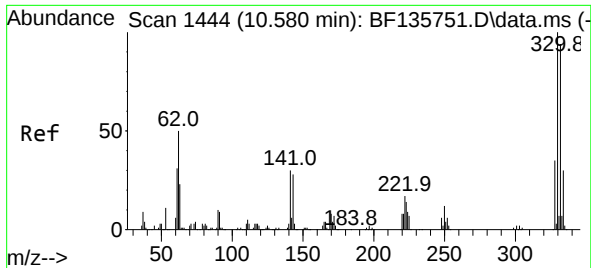
Ion Ratio Lower Upper

164 100

162 105.1 80.8 121.2

160 48.6 36.6 54.8





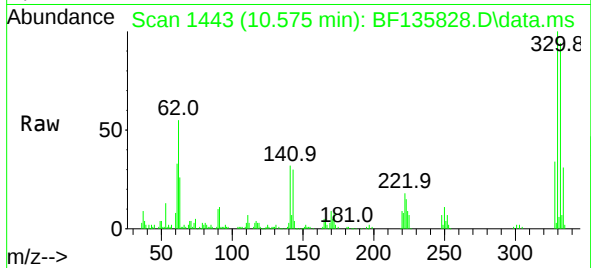
#42
2,4,6-Tribromophenol
Concen: 57.717 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A



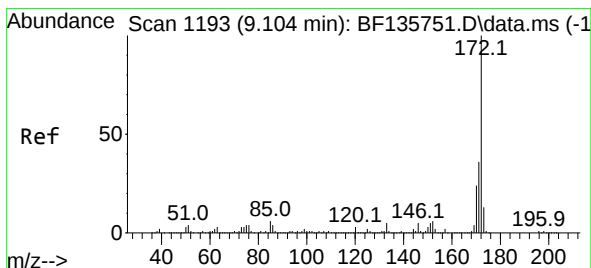
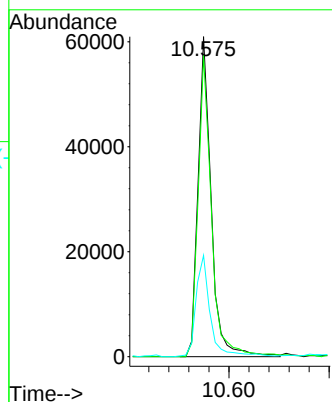
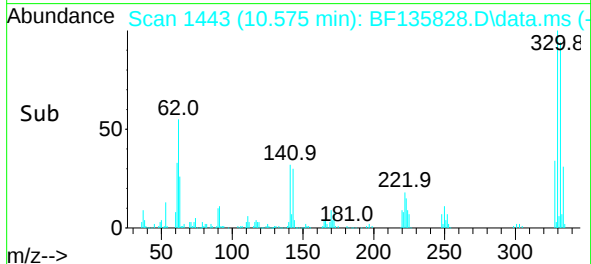
Tgt Ion: 330 Resp: 5588
Ion Ratio Lower Upper
330 100
332 96.1 75.0 112.4
141 34.2 25.8 38.6

Manual Integrations

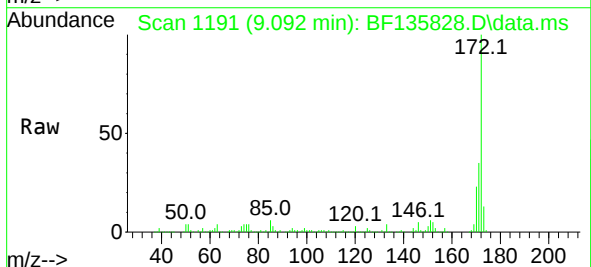
APPROVED

Reviewed By : Yogesh Patel 10/18/2023

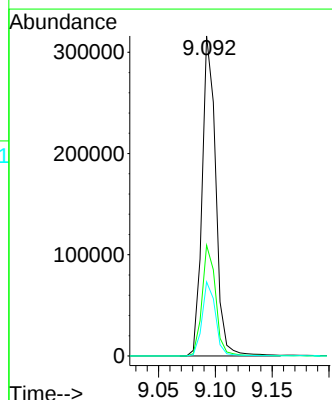
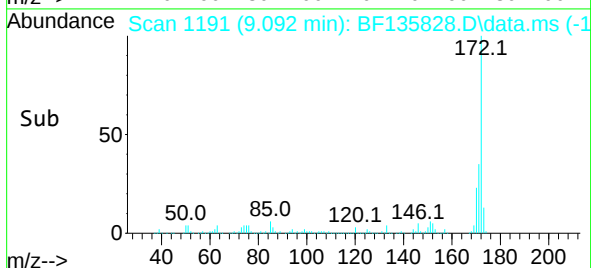
Supervised By : mohammad ahmed 10/18/2023

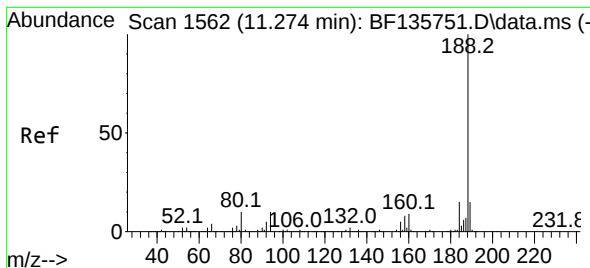


#45
2-Fluorobiphenyl
Concen: 40.959 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35



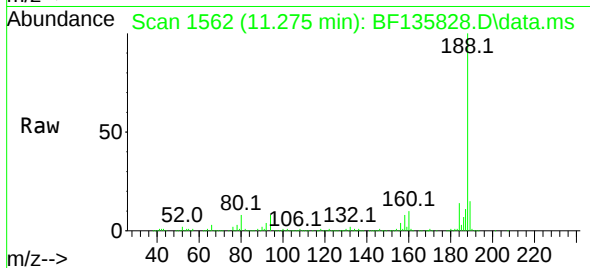
Tgt Ion: 172 Resp: 264339
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

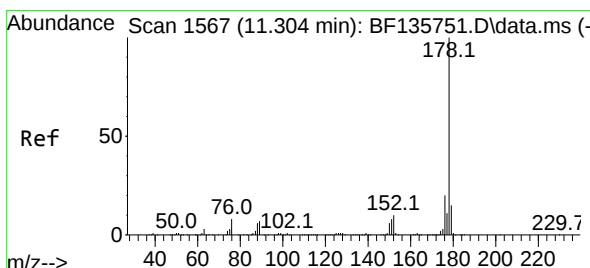
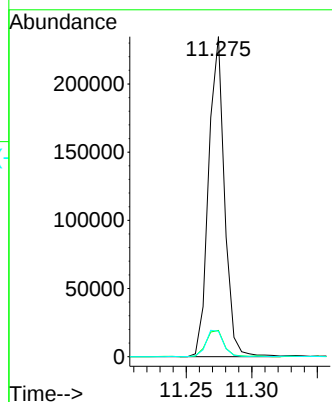
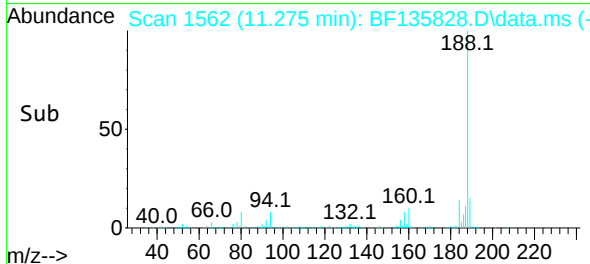
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A



Tgt Ion:188 Resp: 197810
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 8.0 8.3 12.5

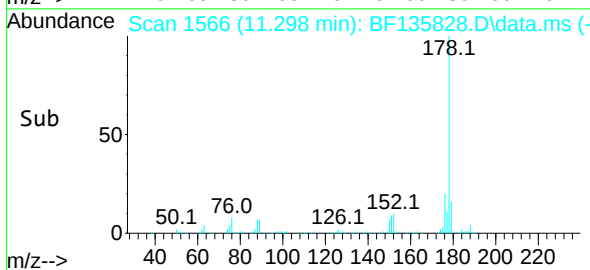
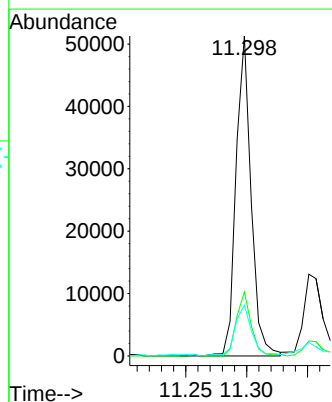
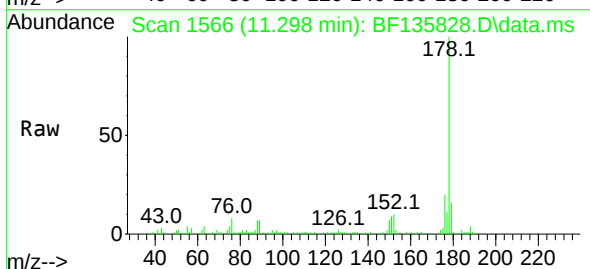
Manual Integrations
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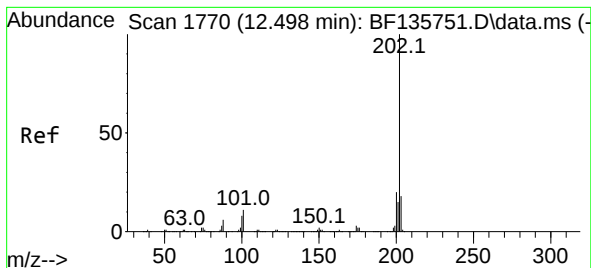
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#71
Phenanthrene
Concen: 4.668 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion:178 Resp: 44234
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 7.065 ng

RT: 12.498 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

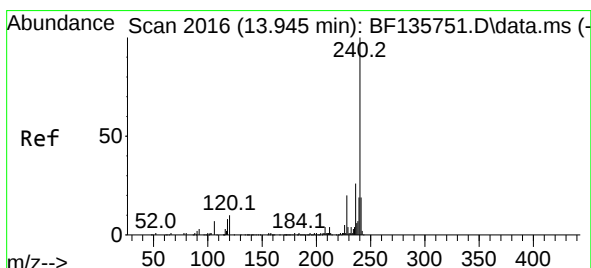
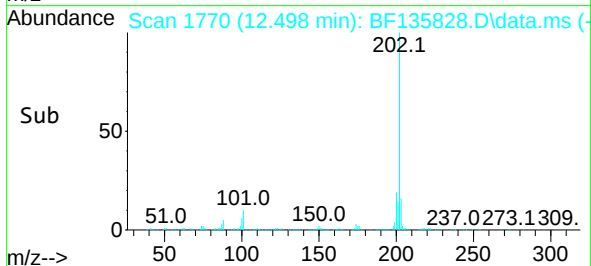
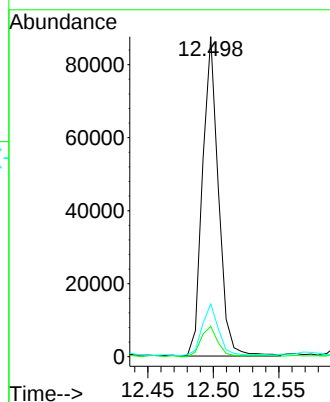
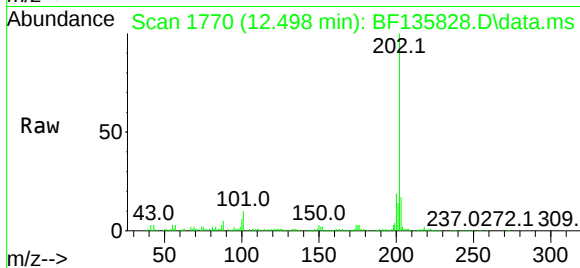
Tgt Ion:	202	Resp:	7431
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	31.5
203	16.5	0.0	38.3

Manual Integrations

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Supervised By :mohammad ahmed 10/18/2023



#76

Chrysene-d12

Concen: 20.000 ng

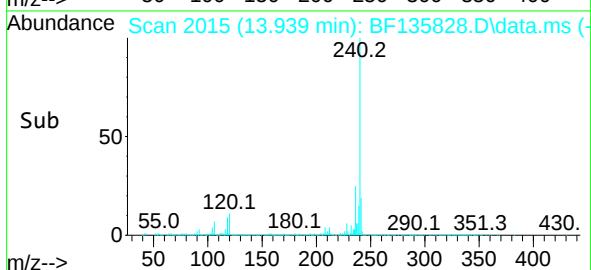
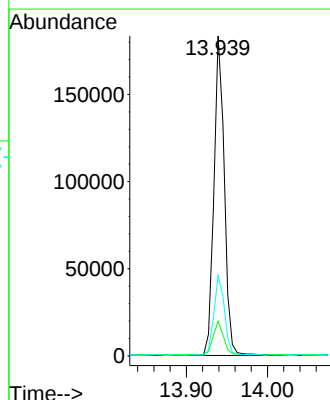
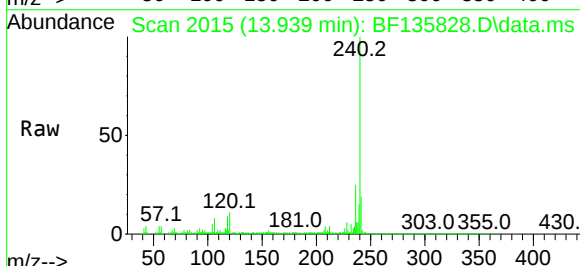
RT: 13.939 min Scan# 2015

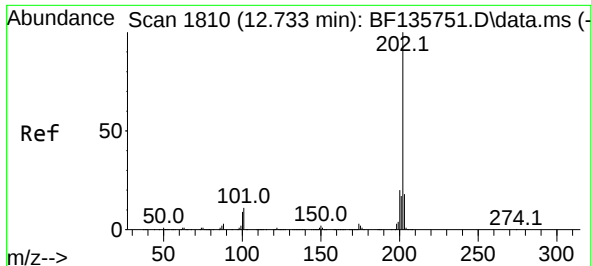
Delta R.T. -0.012 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

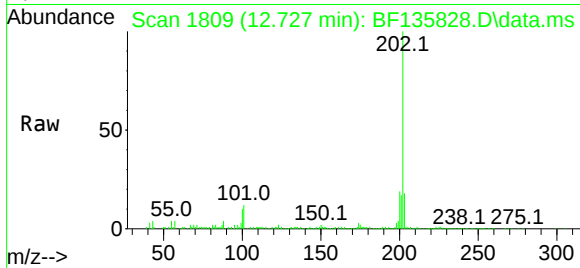
Tgt Ion:	240	Resp:	162714
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.2	12.2
236	25.1	21.2	31.8





#78
Pyrene
Concen: 6.013 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

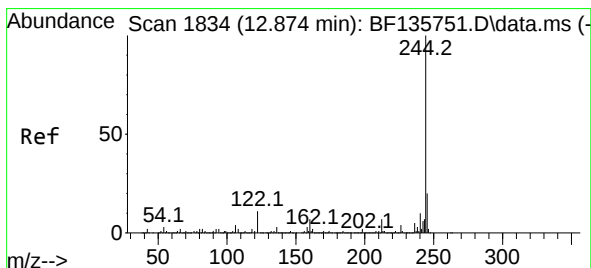
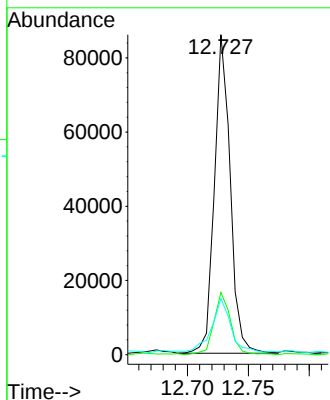
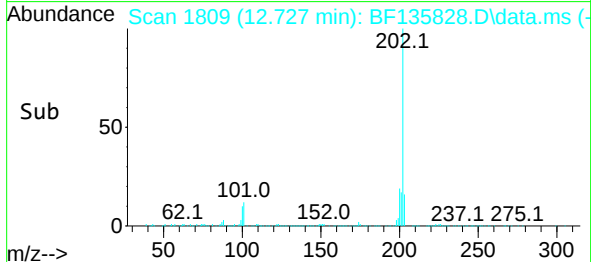
Instrument :
BNA_F
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EO-02-10132023-A



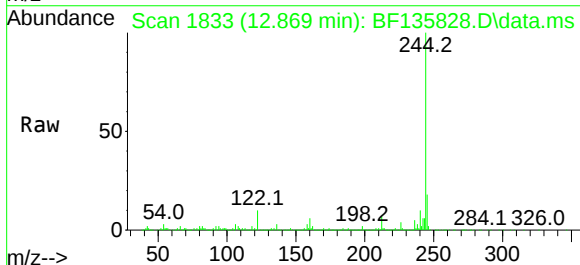
Tgt Ion:202 Resp: 7775
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 17.5 14.2 21.2

Manual Integrations
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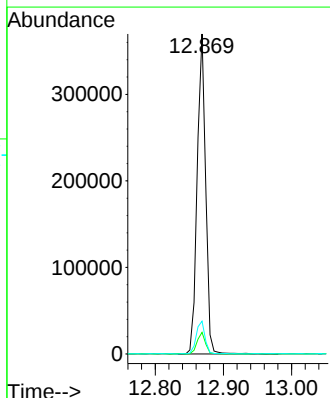
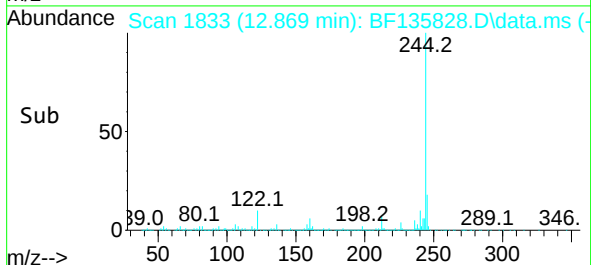
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

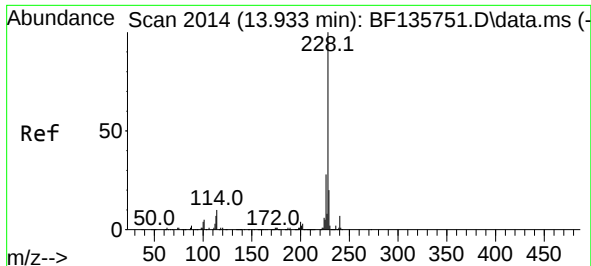


#79
Terphenyl-d14
Concen: 36.272 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35



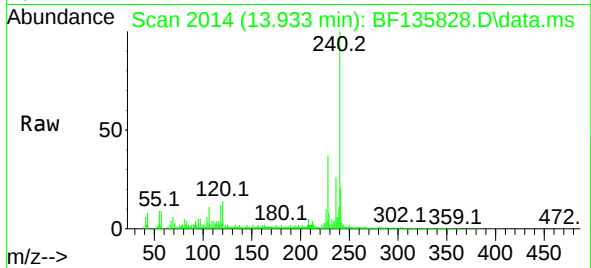
Tgt Ion:244 Resp: 318696
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.3 9.0 13.6





#81
Benzo(a)anthracene
Concen: 2.888 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

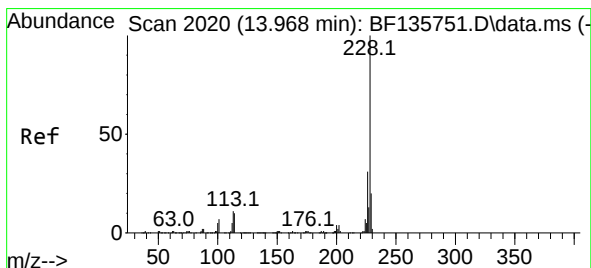
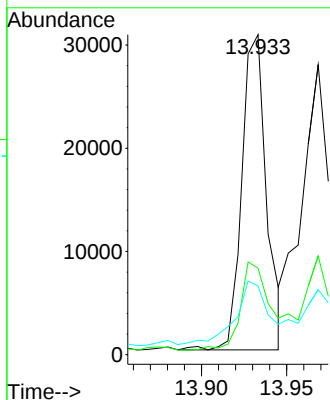
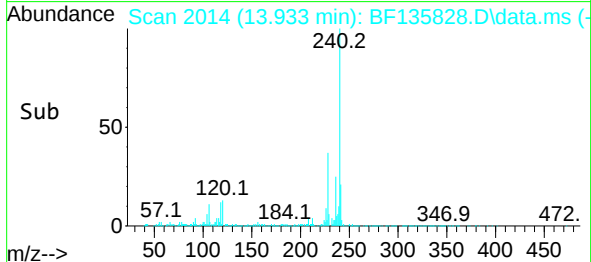
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A



Tgt Ion:228 Resp: 3086
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.2
229 21.5 16.1 24.1

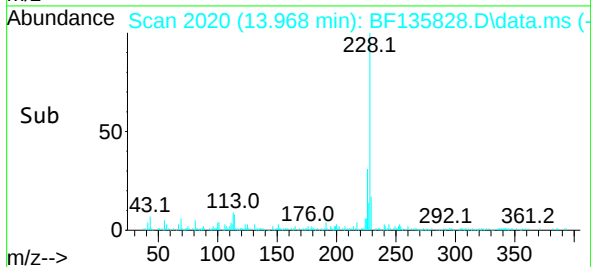
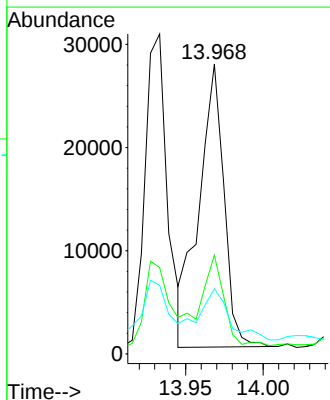
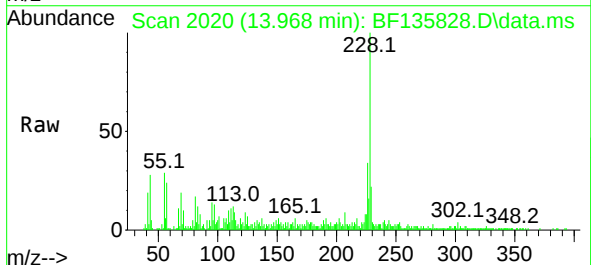
Manual Integrations
APPROVED

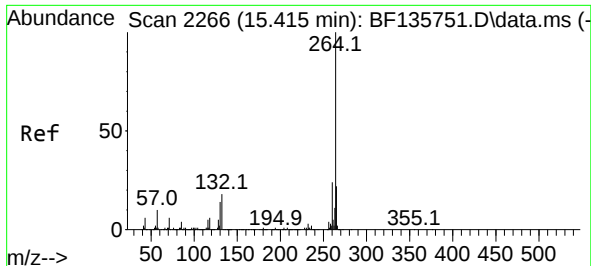
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 2.980 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

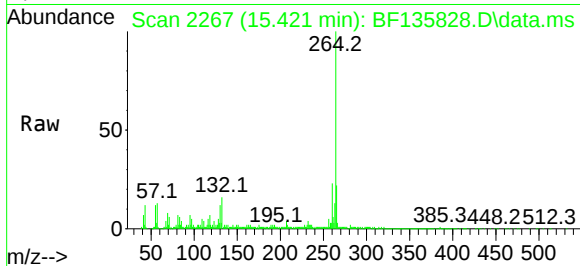
Tgt Ion:228 Resp: 30848
Ion Ratio Lower Upper
228 100
226 34.0 24.4 36.6
229 22.5 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

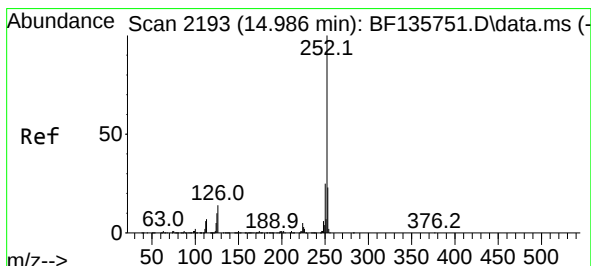
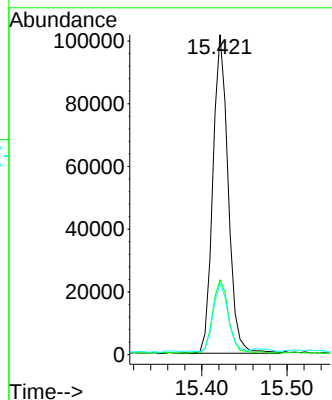
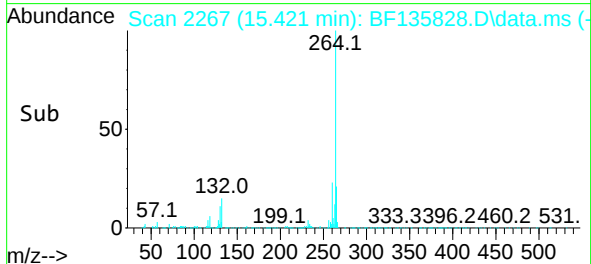
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A



Tgt Ion:264 Resp: 126029
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.2 17.4 26.2

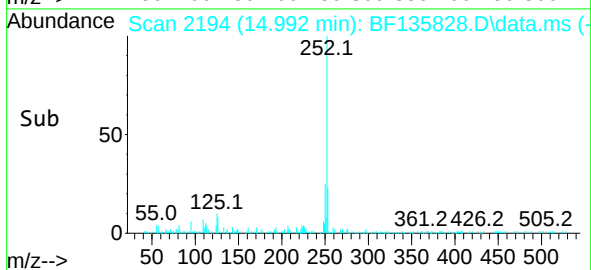
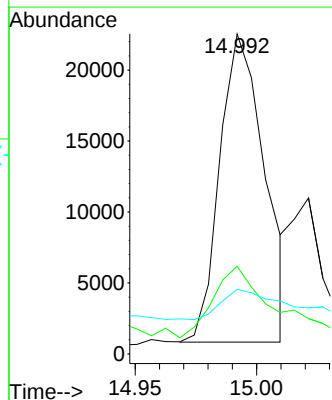
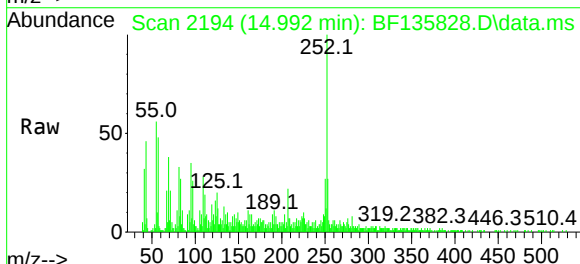
Manual Integrations
APPROVED

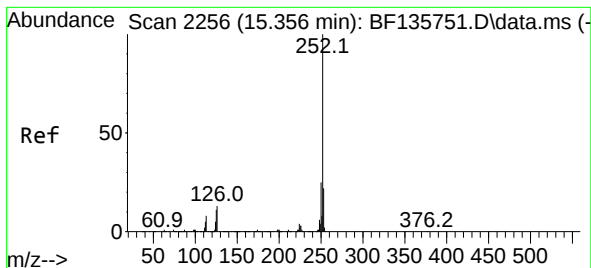
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#88
Benzo(b)fluoranthene
Concen: 3.965 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion:252 Resp: 27968
Ion Ratio Lower Upper
252 100
253 27.4 18.2 27.2#
125 20.2 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 3.108 ng

RT: 15.363 min Scan# 20610

Delta R.T. -0.000 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

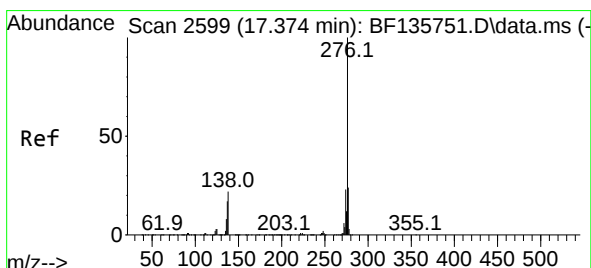
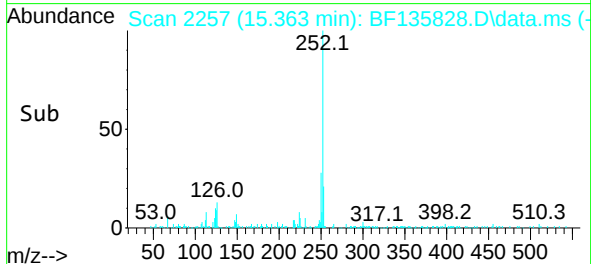
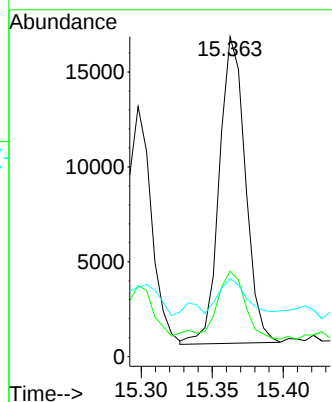
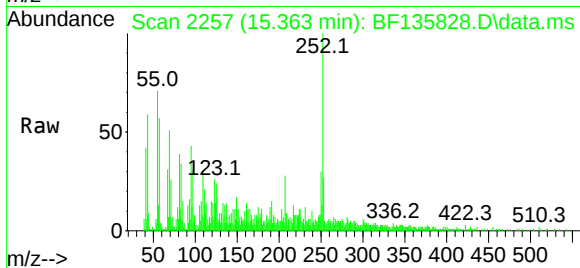
Tgt Ion:	252	Resp:	20610
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.4	26.2
125	24.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#92

Benzo(g,h,i)perylene

Concen: 2.202 ng

RT: 17.409 min Scan# 2605

Delta R.T. 0.023 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Tgt Ion:	276	Resp:	12733
Ion Ratio	Lower	Upper	
276	100		
277	29.2	19.4	29.2
138	24.2	17.3	25.9

