

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135827.D
 Acq On : 17 Oct 2023 23:05
 Operator : CG\JU
 Sample : 04892-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-10132023-B

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 02:03:51 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	83363	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	307042	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	134463	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	226069	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	173792	20.000	ng	-0.01
86) Perylene-d12	15.421	264	140759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	236232	45.560	ng	0.00
7) Phenol-d6	6.393	99	289513	44.750	ng	0.00
23) Nitrobenzene-d5	7.304	82	164316	29.433	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	54781	42.457	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	306439	35.632	ng	-0.01
79) Terphenyl-d14	12.869	244	278625	29.690	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	73838	6.818	ng	97
75) Fluoranthene	12.498	202	174415	14.511	ng	98
78) Pyrene	12.727	202	191872	13.893	ng	99
81) Benzo(a)anthracene	13.927	228	82733	7.248	ng	97
83) Chrysene	13.969	228	74706	6.757	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	29970	3.908	ng	95
88) Benzo(b)fluoranthene	14.992	252	74417m	9.446	ng	
89) Benzo(k)fluoranthene	15.016	252	23212m	3.035	ng	
90) Benzo(a)pyrene	15.363	252	53602	7.236	ng	# 91
92) Benzo(g,h,i)perylene	17.398	276	29018	4.493	ng	# 87

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

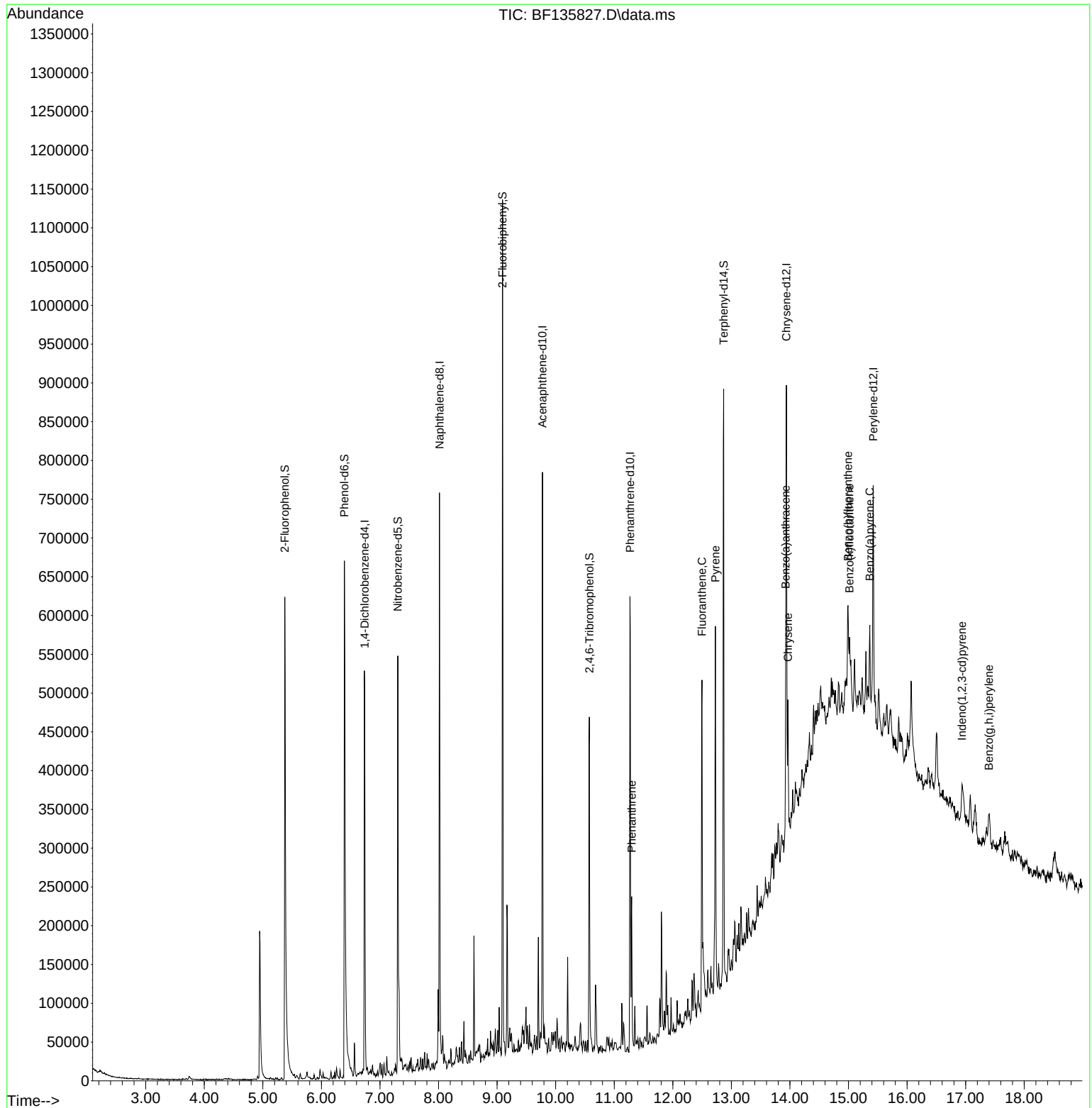
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135827.D
Acq On : 17 Oct 2023 23:05
Operator : CG\JU
Sample : 04892-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

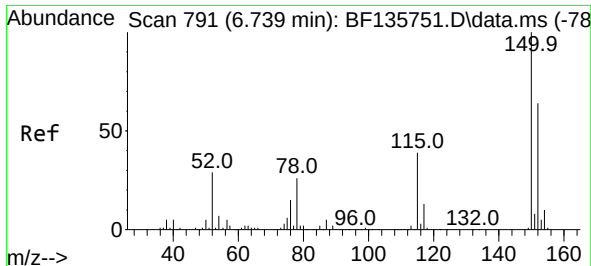
Instrument :
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EO-03-10132023-B

Quant Time: Oct 18 02:03:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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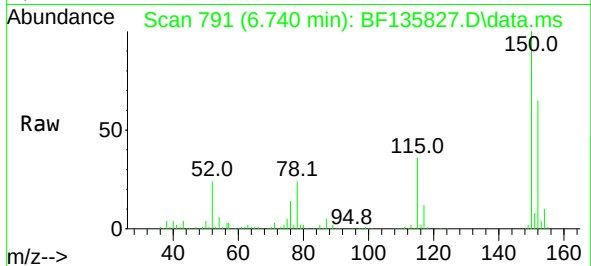
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

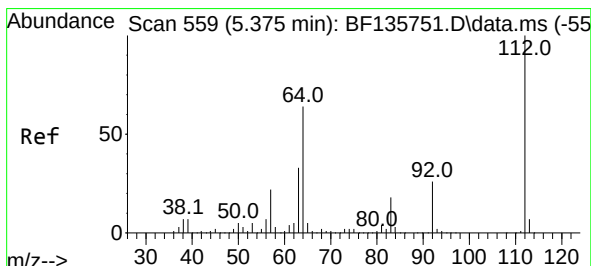
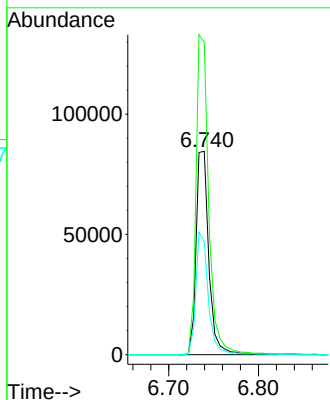
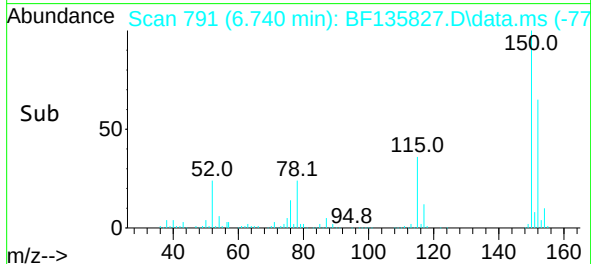
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-B



Tgt Ion:152 Resp: 8336
Ion Ratio Lower Upper
152 100
150 153.5 124.5 186.7
115 55.4 49.0 73.4

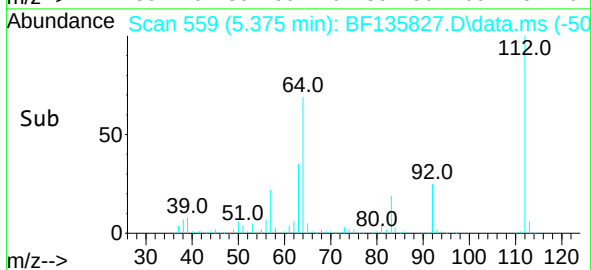
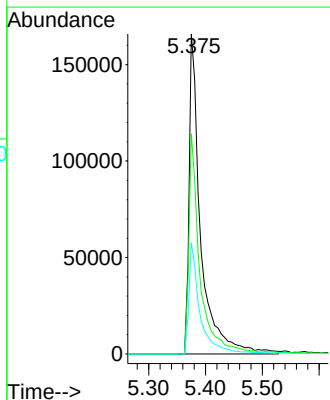
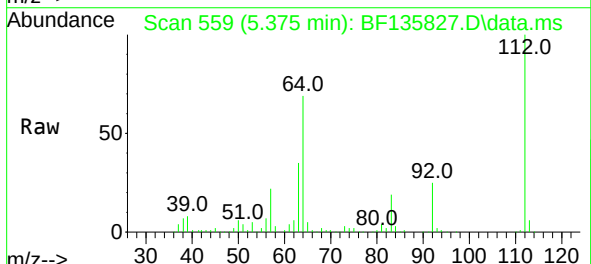
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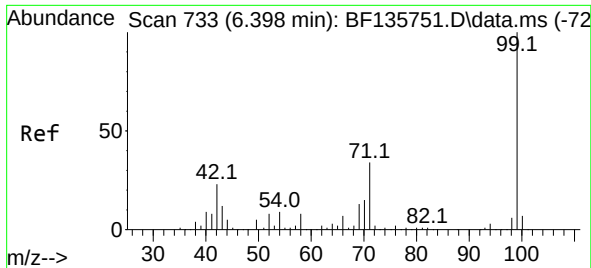
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#5
2-Fluorophenol
Concen: 45.560 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

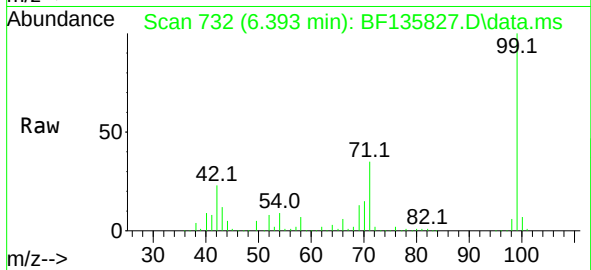
Tgt Ion:112 Resp: 236232
Ion Ratio Lower Upper
112 100
64 68.8 51.2 76.8
63 34.8 26.1 39.1





#7
Phenol-d6
Concen: 44.750 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

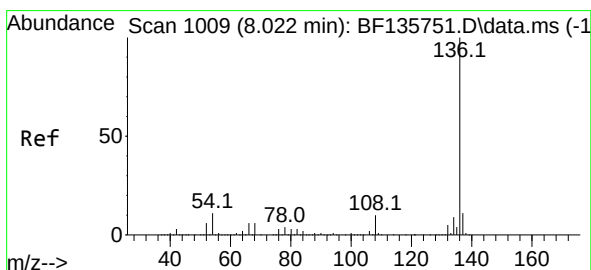
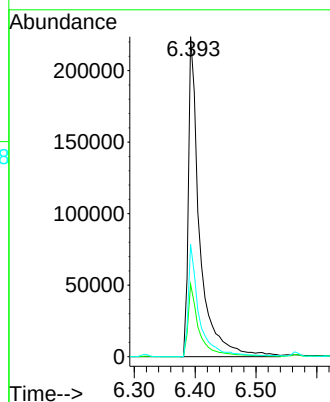
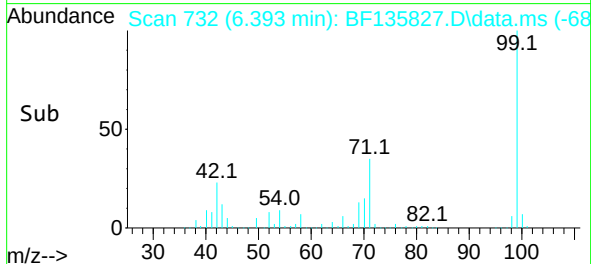
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-B



Tgt Ion: 99 Resp: 28951
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 35.1 27.2 40.8

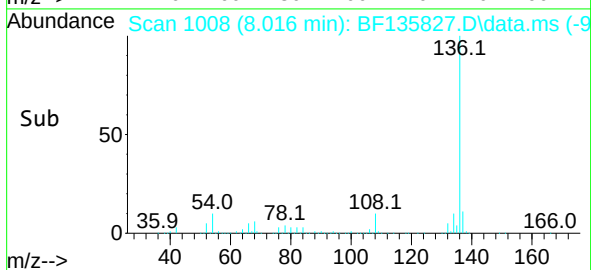
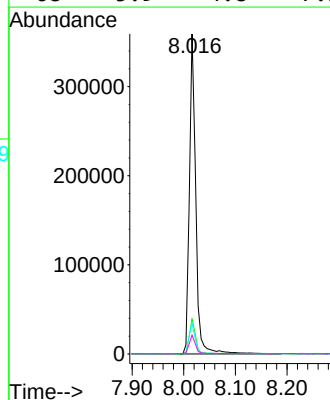
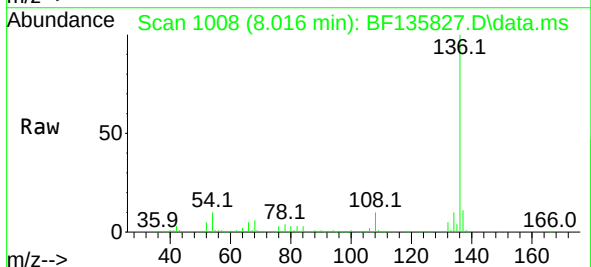
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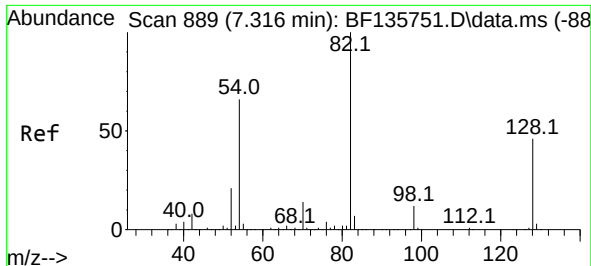
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion:136 Resp: 307042
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.6 8.5 12.7
68 5.9 4.8 7.2





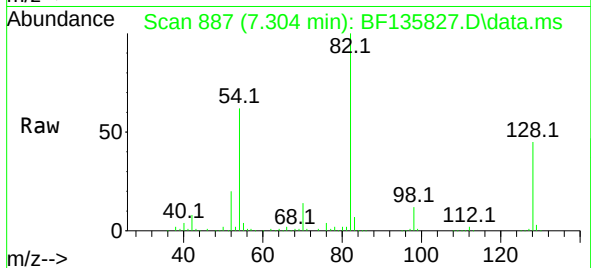
#23
Nitrobenzene-d5
Concen: 29.433 ng
RT: 7.304 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

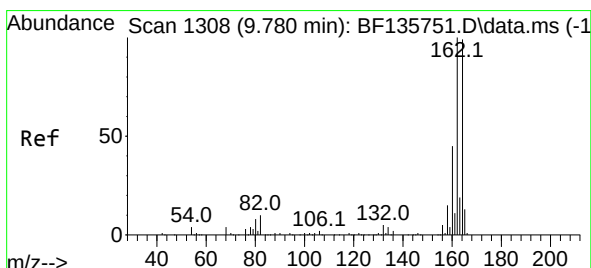
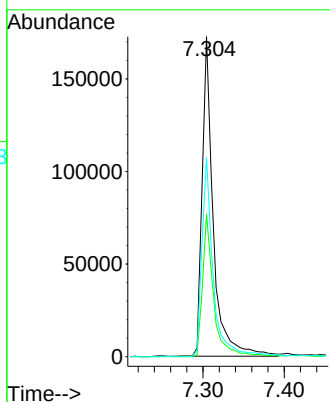
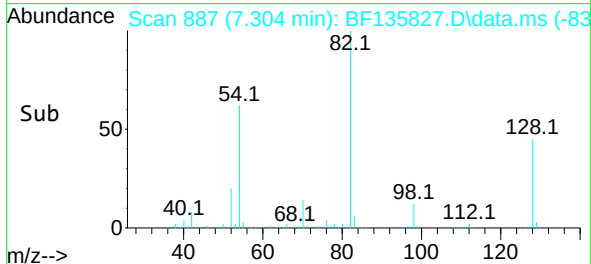


Tgt Ion: 82 Resp: 164310
Ion Ratio Lower Upper
82 100
128 44.6 37.0 55.6
54 62.3 52.8 79.2

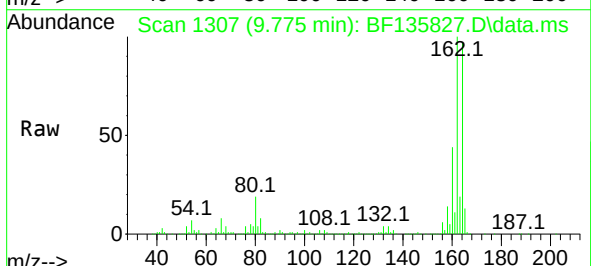
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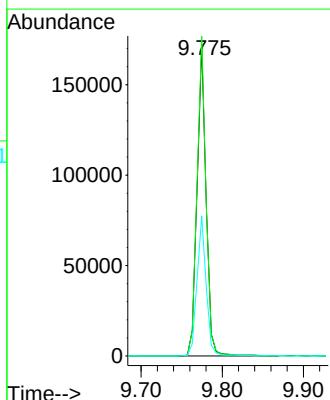
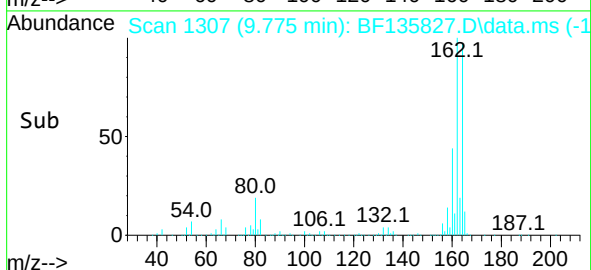
Reviewed By :Yogesh Patel 10/18/2023
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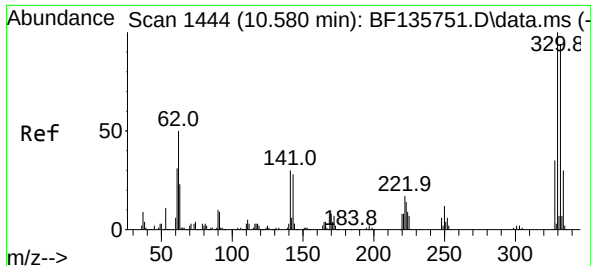


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05



Tgt Ion:164 Resp: 134463
Ion Ratio Lower Upper
164 100
162 102.7 80.8 121.2
160 45.0 36.6 54.8





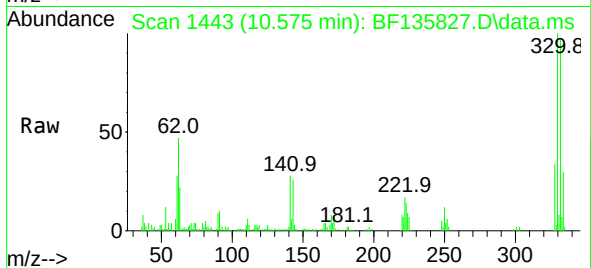
#42
2,4,6-Tribromophenol
Concen: 42.457 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B



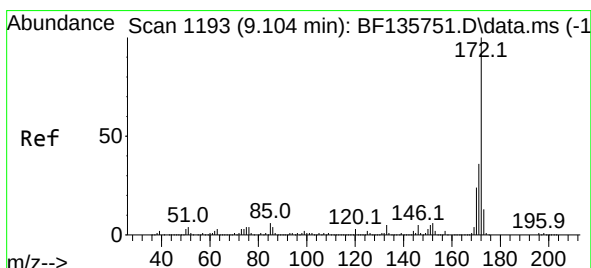
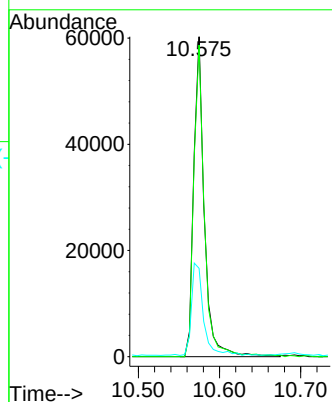
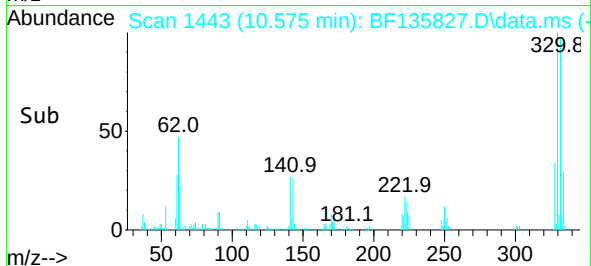
Tgt Ion: 330 Resp: 5478
Ion Ratio Lower Upper
330 100
332 96.6 75.0 112.4
141 33.0 25.8 38.6

Manual Integrations

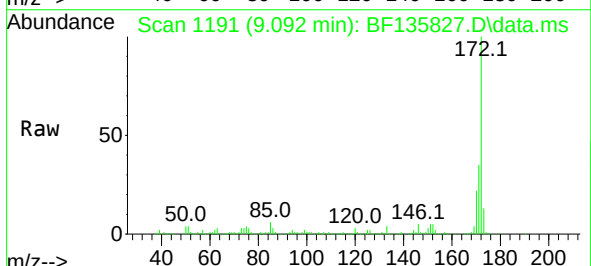
APPROVED

Reviewed By : Yogesh Patel 10/18/2023

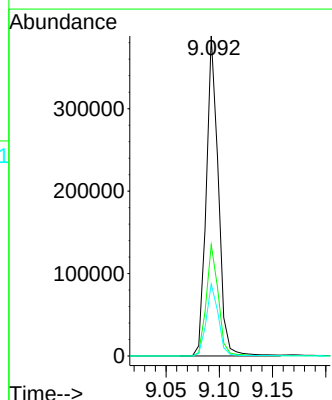
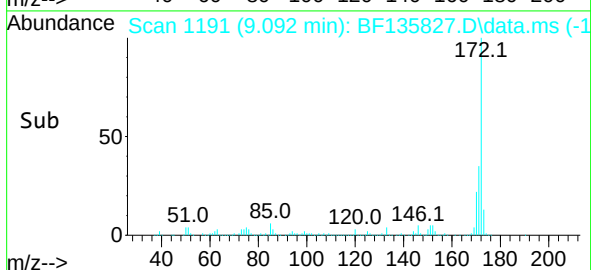
Supervised By : mohammad ahmed 10/18/2023

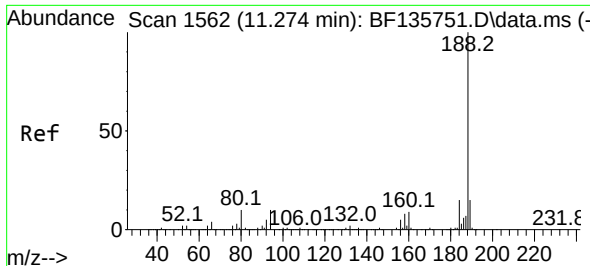


#45
2-Fluorobiphenyl
Concen: 35.632 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05



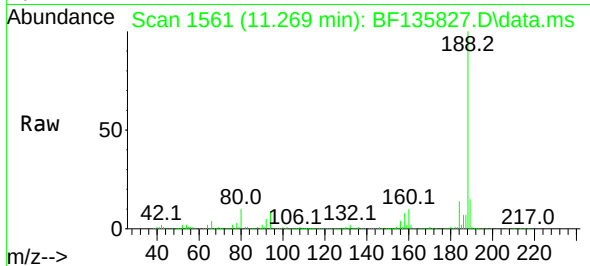
Tgt Ion: 172 Resp: 306439
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 22.5 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

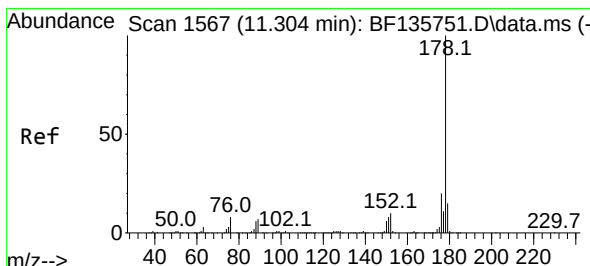
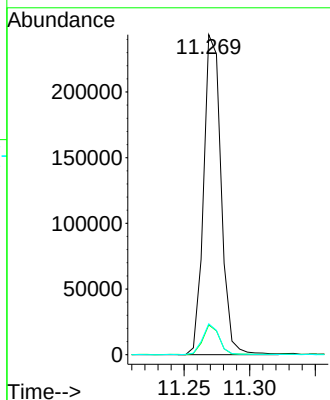
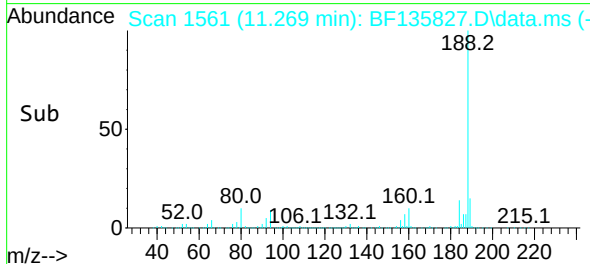
Instrument :
BNA_F
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EO-03-10132023-B



Tgt Ion:188 Resp: 226069
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 9.6 8.3 12.5

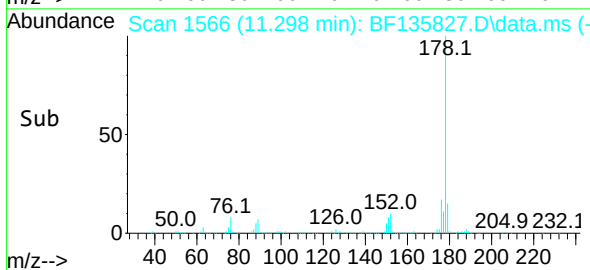
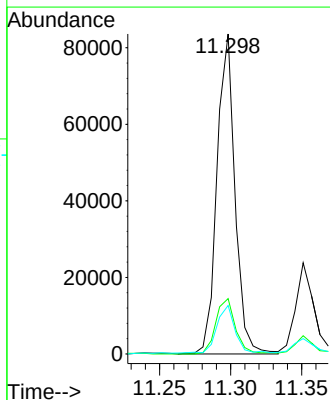
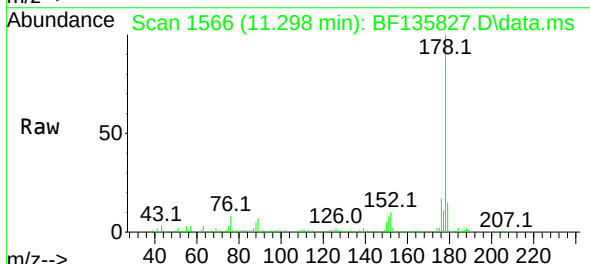
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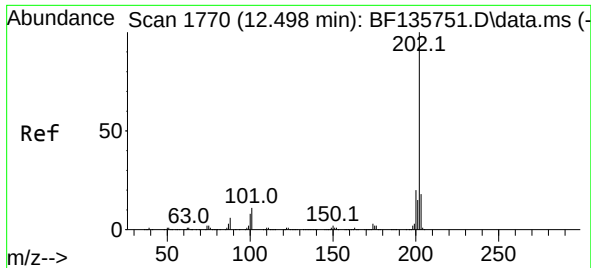
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#71
Phenanthrene
Concen: 6.818 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

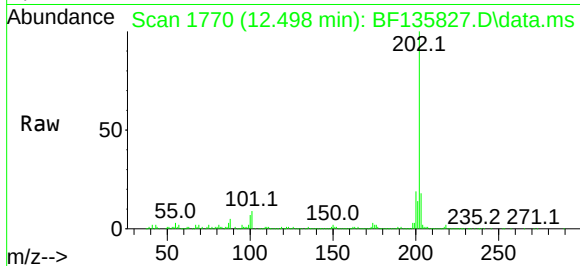
Tgt Ion:178 Resp: 73838
Ion Ratio Lower Upper
178 100
176 17.3 16.0 24.0
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 14.511 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

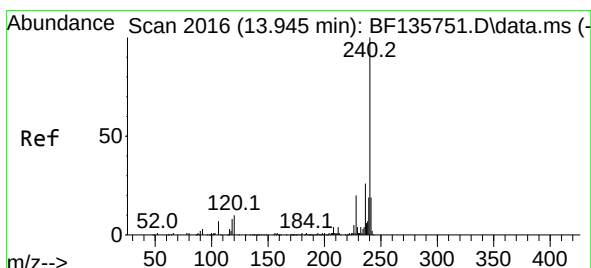
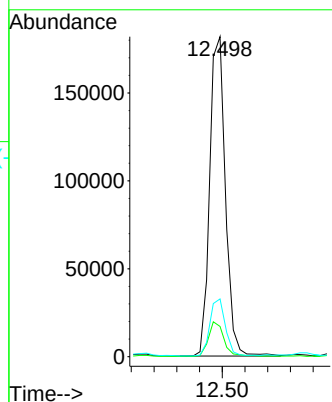
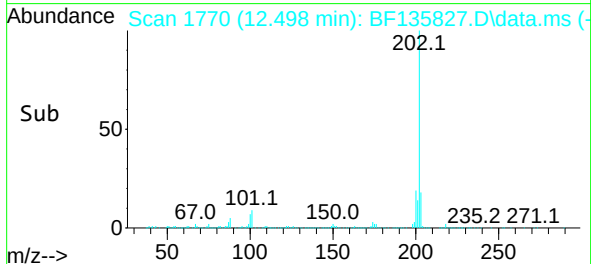
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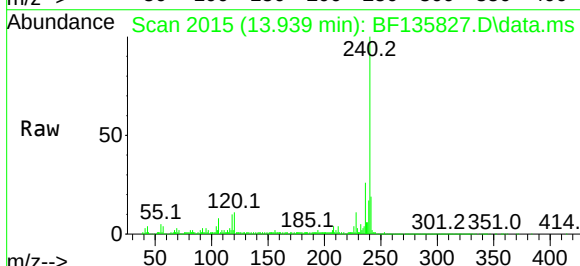
Tgt Ion:202 Resp: 174415
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.5
203 18.1 0.0 38.3

Manual Integrations
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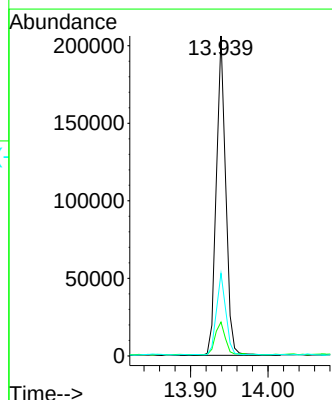
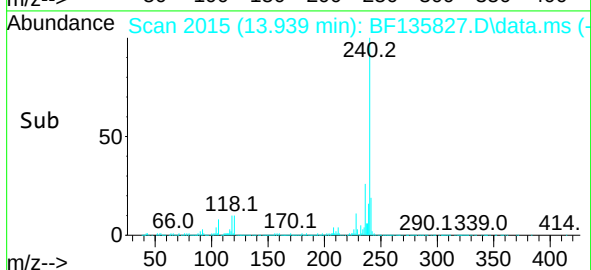
Reviewed By :Yogesh Patel 10/18/2023
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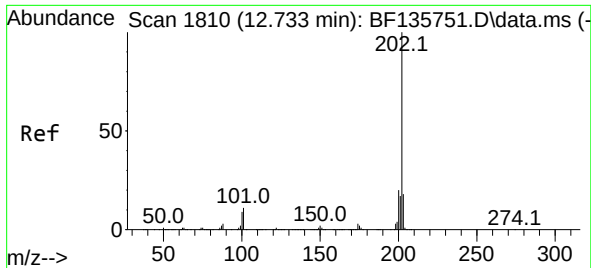


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05



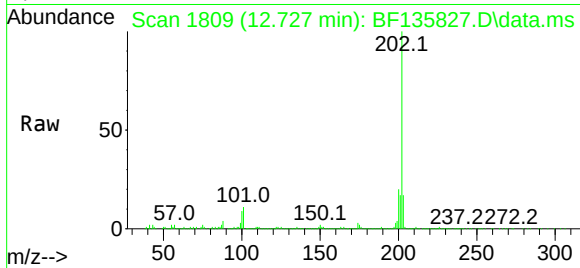
Tgt Ion:240 Resp: 173792
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 25.9 21.2 31.8





#78
Pyrene
Concen: 13.893 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

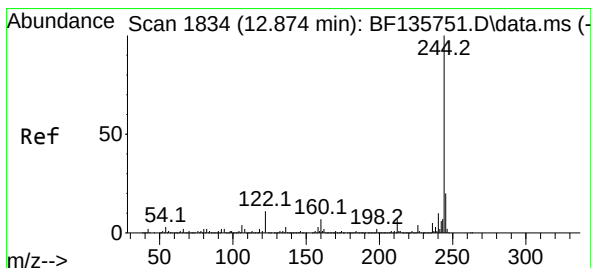
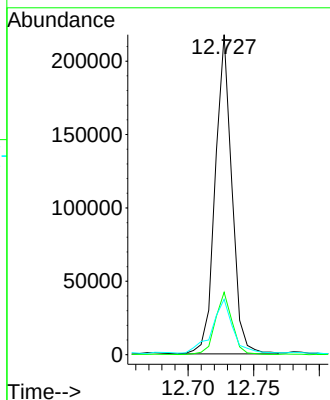
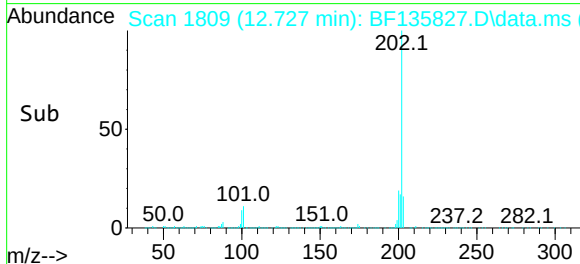
Instrument :
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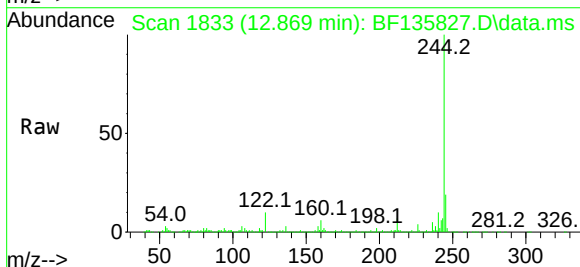
Tgt Ion:202 Resp: 191872
Ion Ratio Lower Upper
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200 19.5 16.1 24.1
203 17.3 14.2 21.2

Manual Integrations
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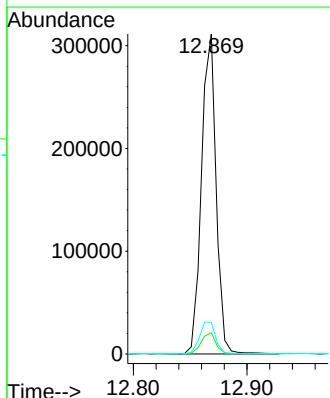
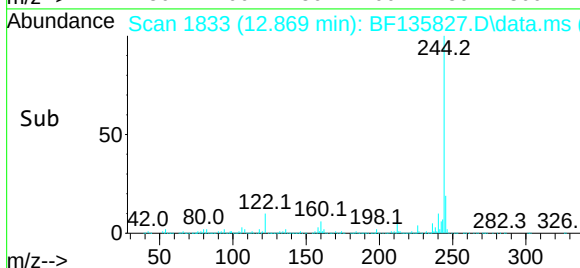
Reviewed By :Yogesh Patel 10/18/2023
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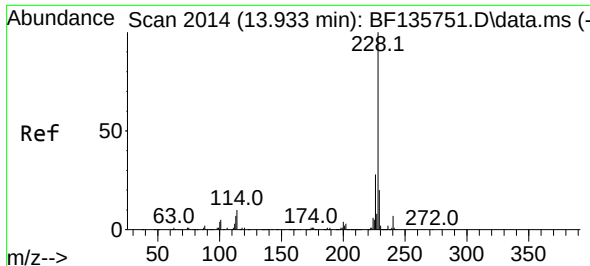


#79
Terphenyl-d14
Concen: 29.690 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05



Tgt Ion:244 Resp: 278625
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 9.9 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.248 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

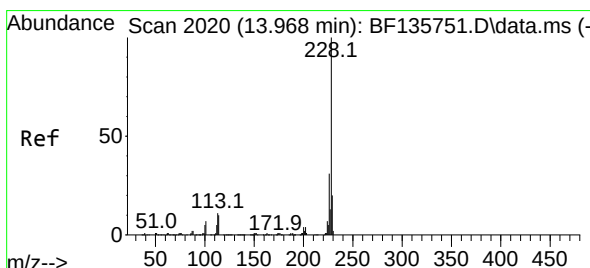
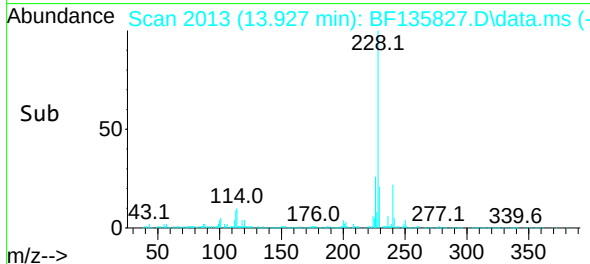
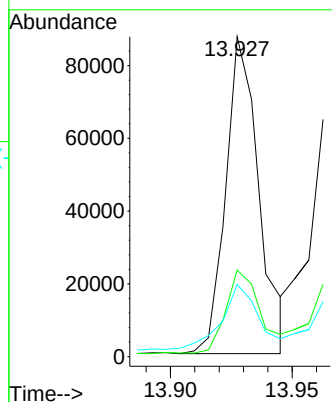
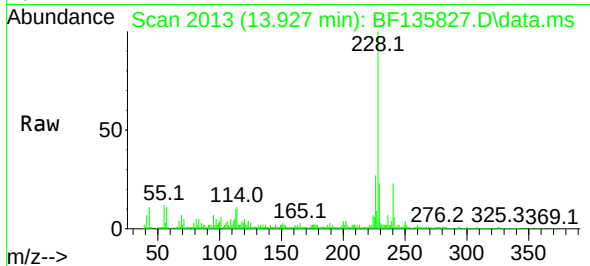
EO-03-10132023-B

Tgt Ion:228 Resp: 8273
Ion Ratio Lower Upper
228 100
226 27.1 22.2 33.2
229 22.5 16.1 24.1

Manual Integrations

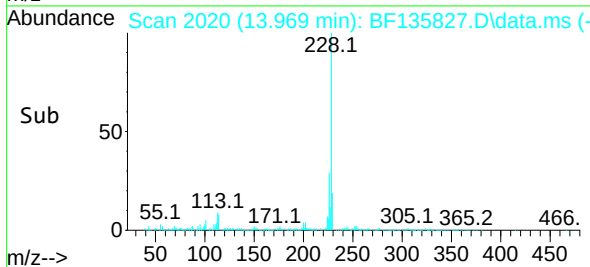
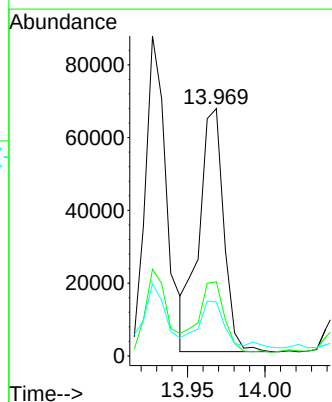
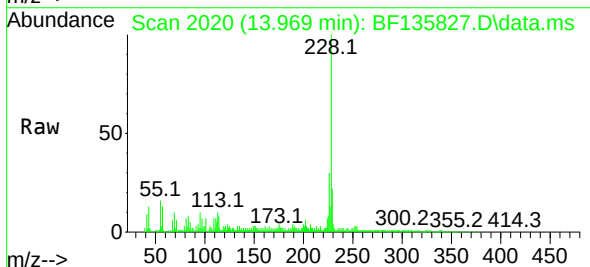
APPROVED

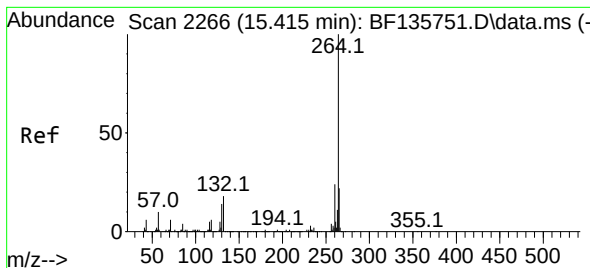
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 6.757 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion:228 Resp: 74706
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

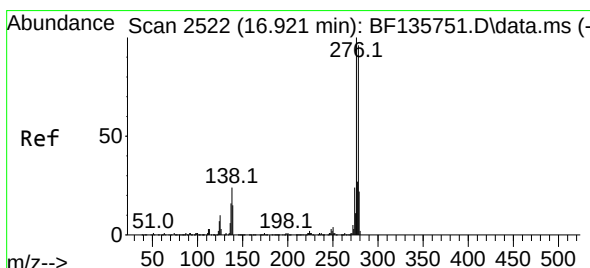
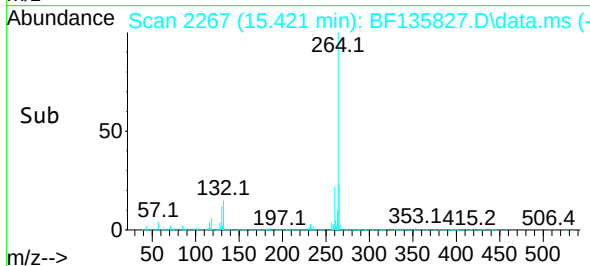
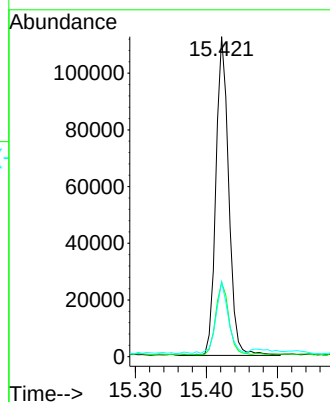
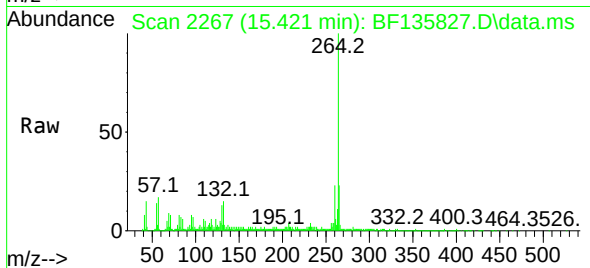
Tgt Ion:	264	Resp:	140759
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	23.4	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.908 ng

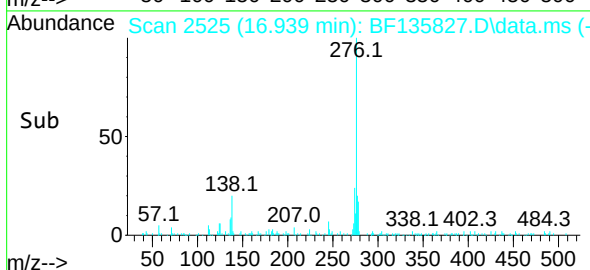
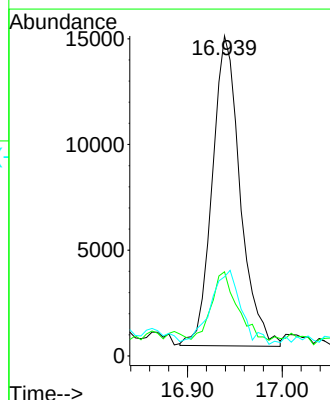
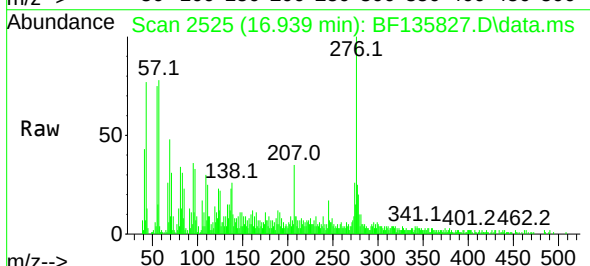
RT: 16.939 min Scan# 2525

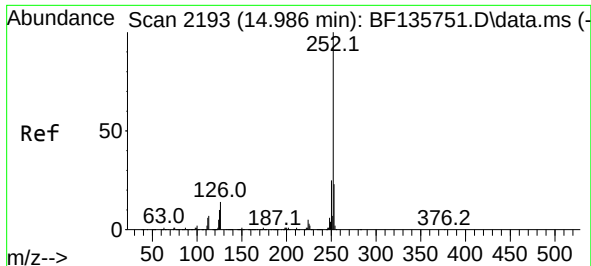
Delta R.T. 0.006 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

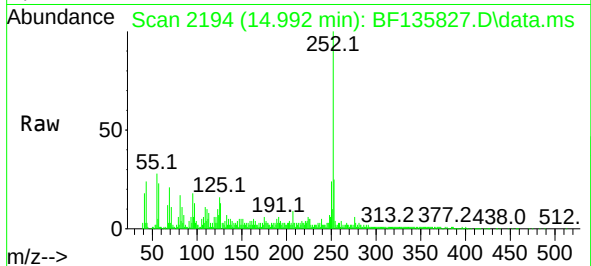
Tgt Ion:	276	Resp:	29970
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.8	29.6
277	24.5	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 9.446 ng m
RT: 14.992 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

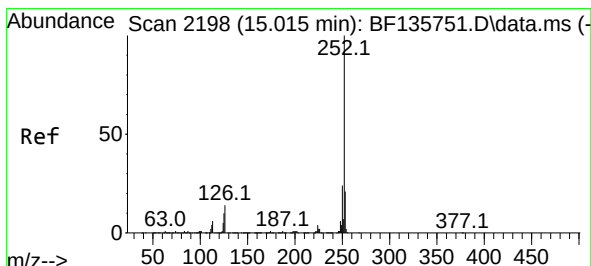
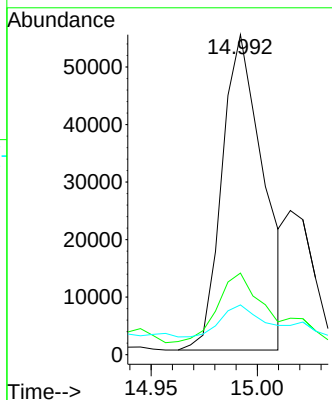
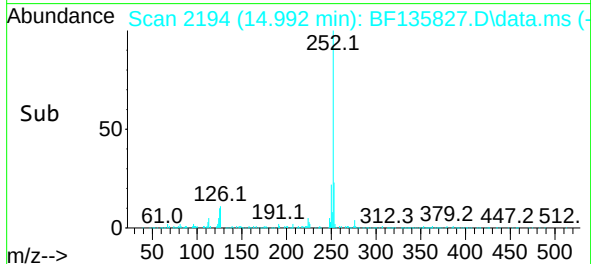
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-B



Tgt Ion:252 Resp: 7441
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.2
125 15.6 8.2 12.2

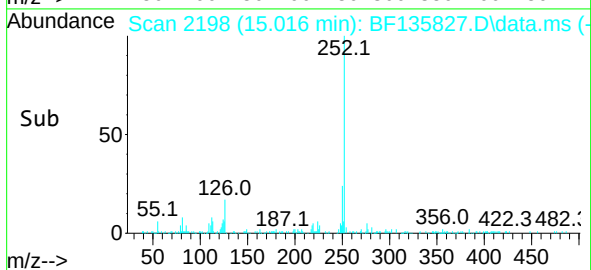
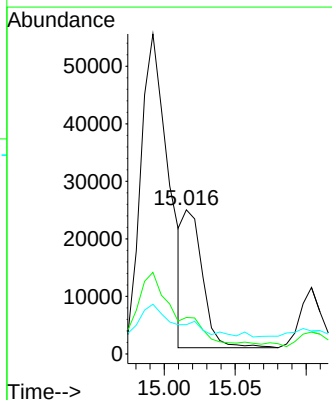
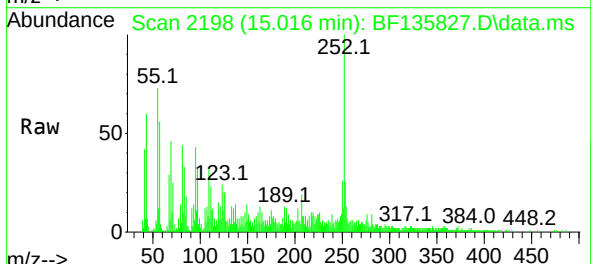
Manual Integrations
APPROVED

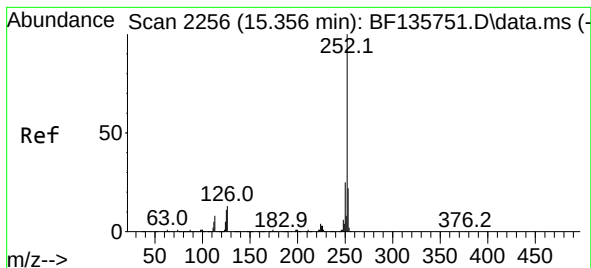
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#89
Benzo(k)fluoranthene
Concen: 3.035 ng m
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion:252 Resp: 23212
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.0
125 20.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 7.236 ng

RT: 15.363 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNF

ClientSampleId :

EO-03-10132023-B

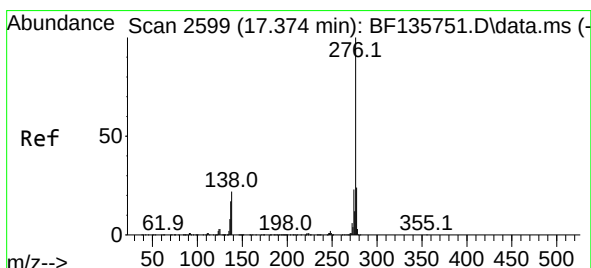
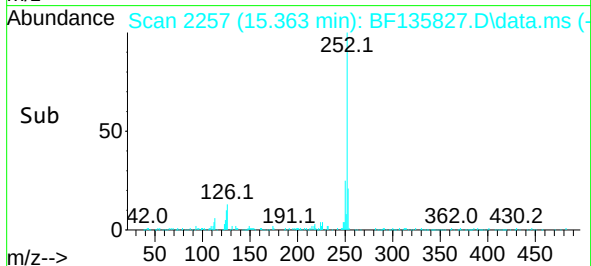
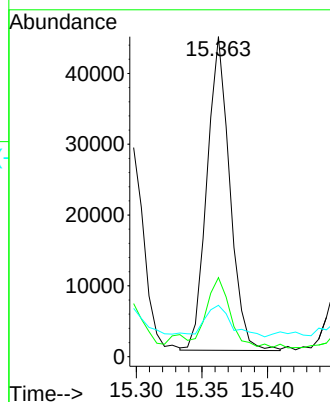
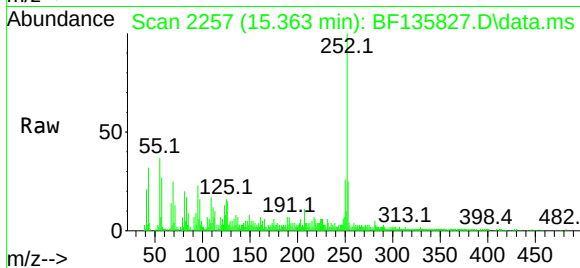
Tgt Ion:	252	Resp:	5360
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.4	26.2
125	16.1	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#92

Benzo(g,h,i)perylene

Concen: 4.493 ng

RT: 17.398 min Scan# 2603

Delta R.T. 0.012 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Tgt Ion:	276	Resp:	29018
Ion Ratio	Lower	Upper	
276	100		
277	34.0	19.4	29.2
138	24.4	17.3	25.9

