

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135721.D
 Acq On : 11 Oct 2023 19:16
 Operator : CG\JU
 Sample : 04804-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-100623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

Quant Time: Oct 12 00:50:45 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 11 02:43:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	88053	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	314432	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	136491	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	214403	20.000	ng	0.00
76) Chrysene-d12	13.933	240	165789	20.000	ng	0.00
86) Perylene-d12	15.410	264	148664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	512623	94.688	ng	0.00
7) Phenol-d6	6.387	99	646630	93.932	ng	0.00
23) Nitrobenzene-d5	7.304	82	348717	60.253	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	91557	67.500	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	611419	67.584	ng	0.00
79) Terphenyl-d14	12.863	244	489709	45.790	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	71932	7.094	ng	98
75) Fluoranthene	12.492	202	186843	17.683	ng	99
78) Pyrene	12.722	202	171818	10.885	ng	99
81) Benzo(a)anthracene	13.921	228	81599	7.622	ng	99
83) Chrysene	13.963	228	81124	7.622	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	37137	3.810	ng	# 93
88) Benzo(b)fluoranthene	14.980	252	98981m	12.299	ng	
89) Benzo(k)fluoranthene	15.010	252	36718m	4.619	ng	
90) Benzo(a)pyrene	15.351	252	65146	8.489	ng	99
92) Benzo(g,h,i)perylene	17.368	276	38130	4.578	ng	99

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

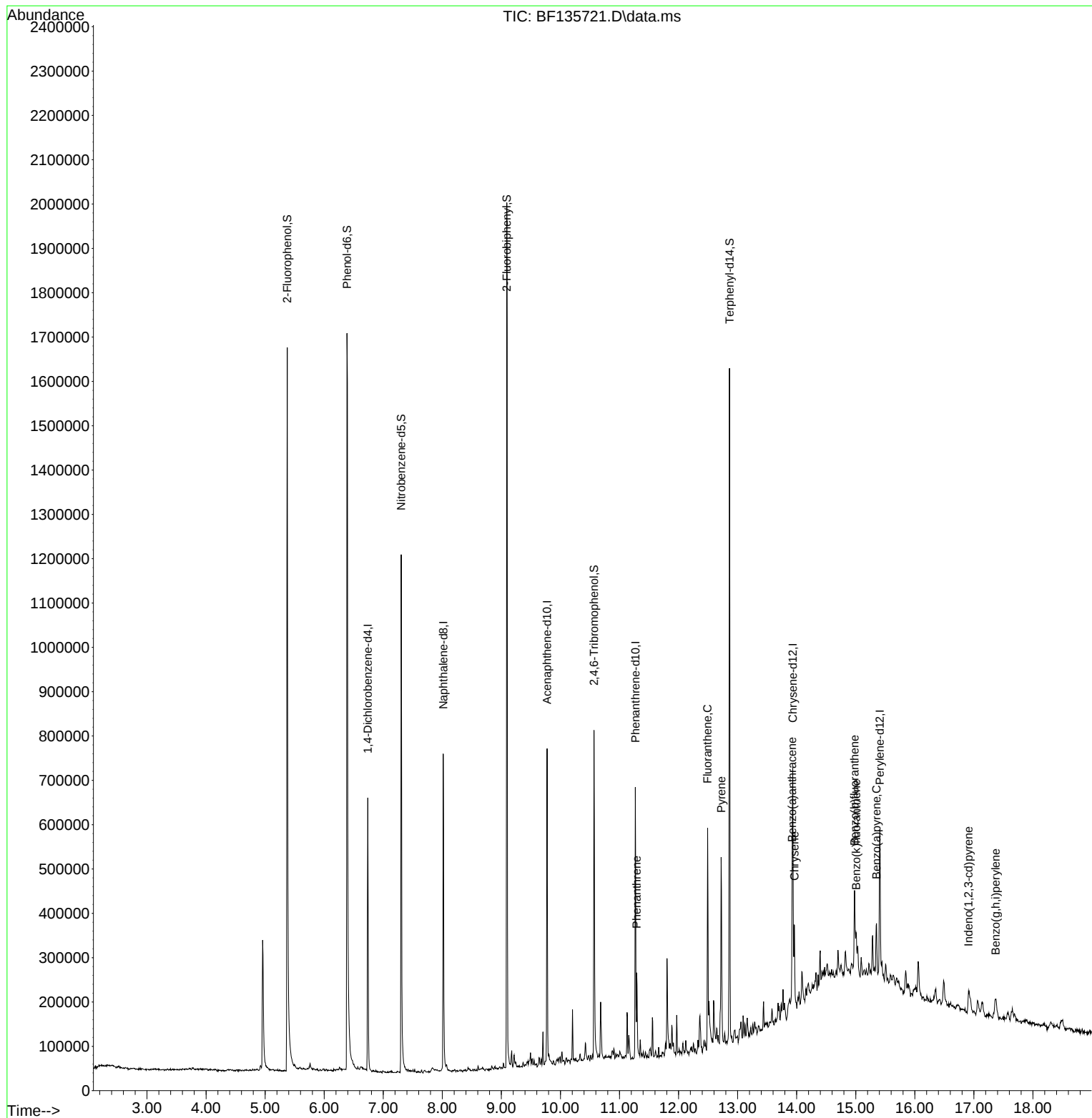
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

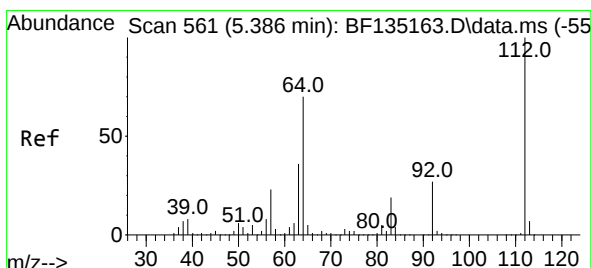
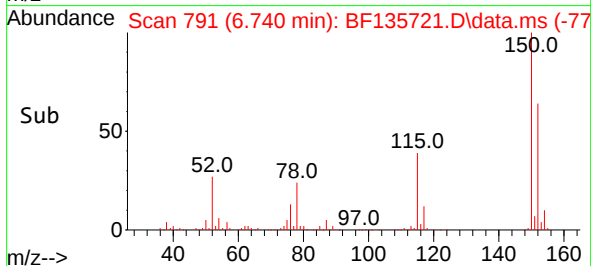
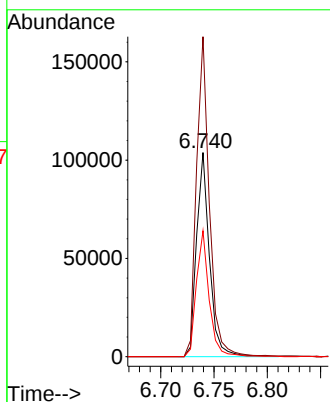
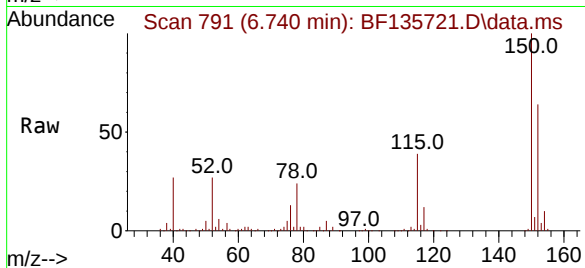
HD-02-100623

Tgt Ion:152 Resp: 8805
Ion Ratio Lower Upper
152 100
150 156.7 127.8 191.6
115 61.6 49.8 74.8

Manual Integrations

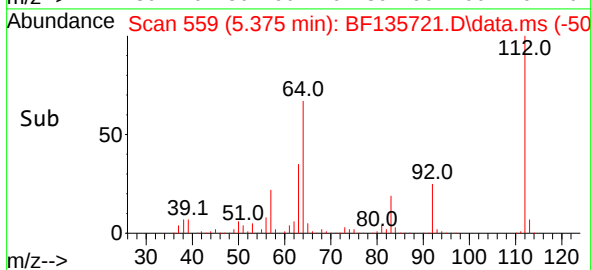
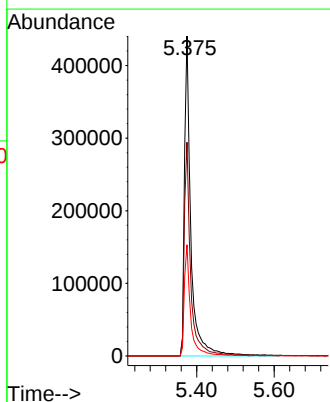
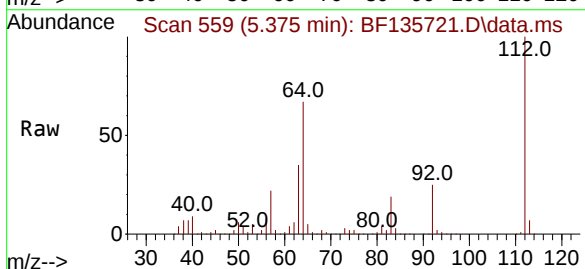
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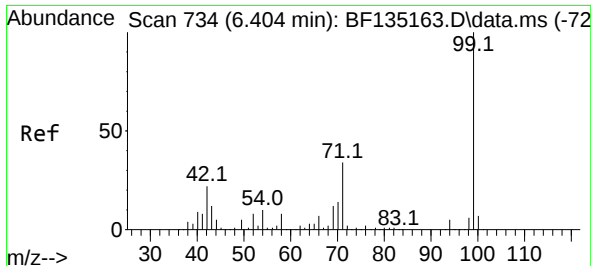
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#5
2-Fluorophenol
Concen: 94.688 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:112 Resp: 512623
Ion Ratio Lower Upper
112 100
64 66.8 55.9 83.9
63 34.7 29.0 43.6





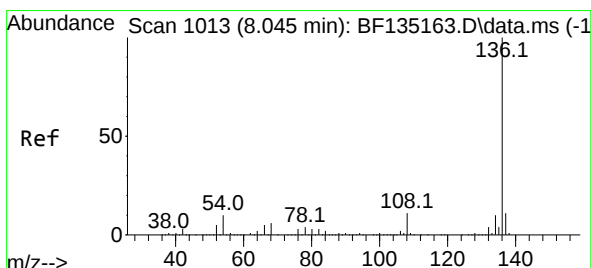
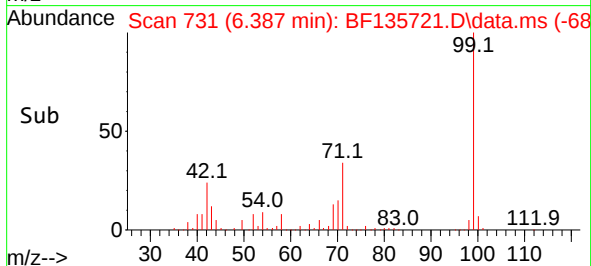
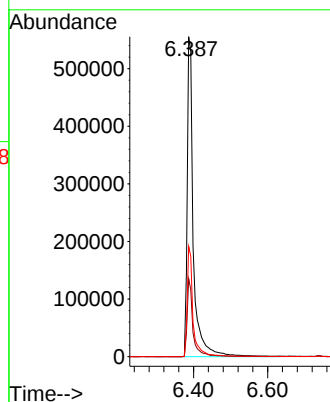
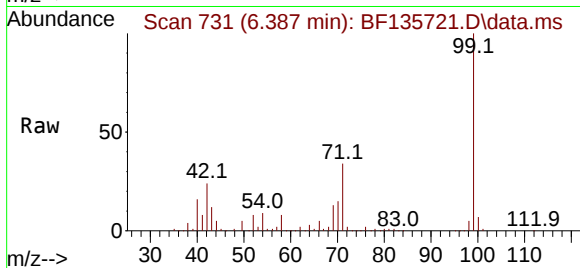
#7
Phenol-d6
Concen: 93.932 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :
BNA_F
ClientSampleId :
HD-02-100623

Tgt Ion: 99 Resp: 646630
Ion Ratio Lower Upper
99 100
42 24.3 17.9 26.9
71 34.5 27.0 40.6

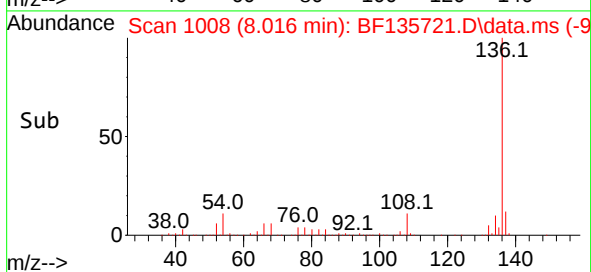
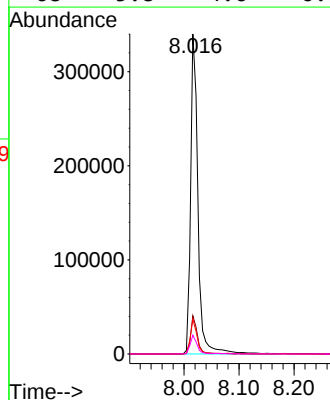
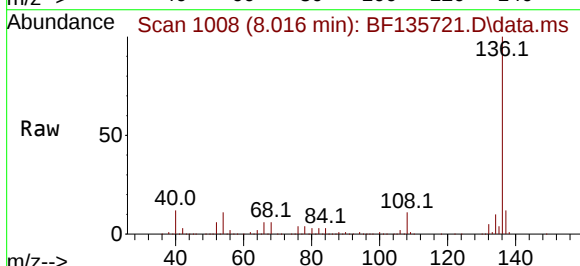
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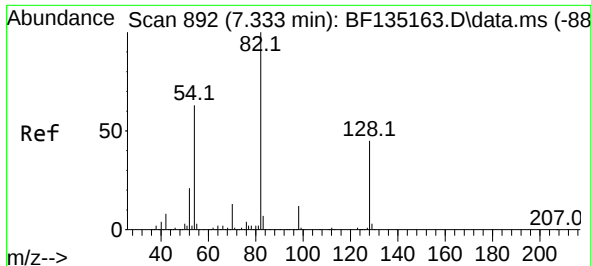
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:136 Resp: 314432
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 10.8 7.7 11.5
68 5.8 4.6 6.8





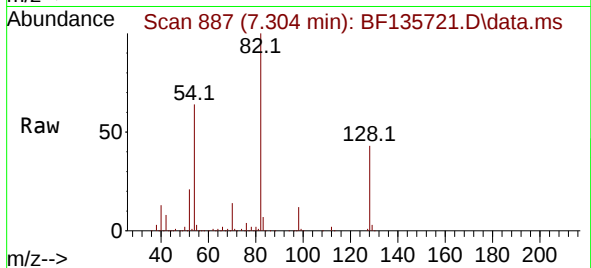
#23
Nitrobenzene-d5
Concen: 60.253 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

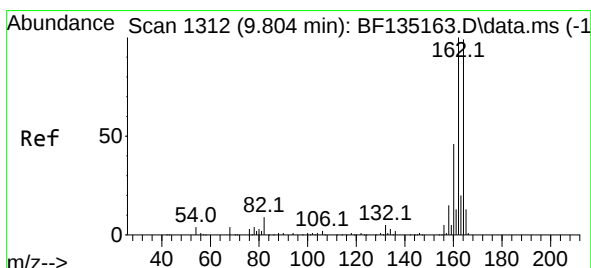
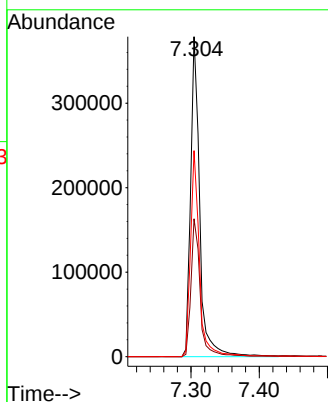
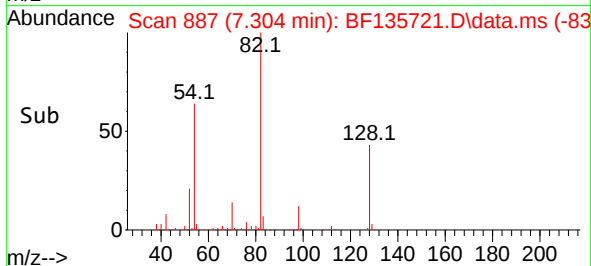
HD-02-100623



Tgt Ion: 82 Resp: 34871
Ion Ratio Lower Upper
82 100
128 43.1 35.8 53.6
54 64.4 50.6 76.0

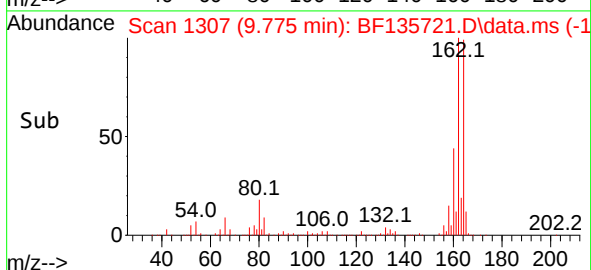
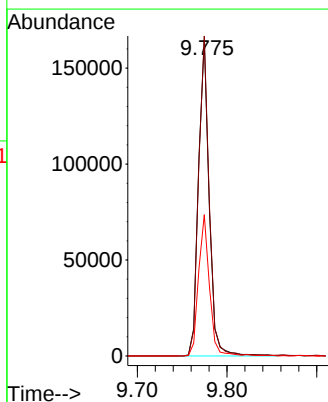
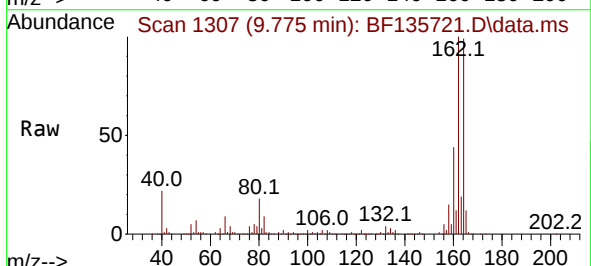
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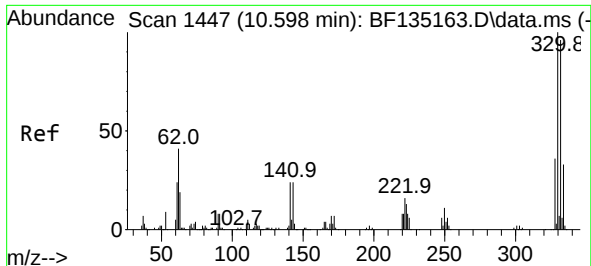
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:164 Resp: 136491
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 44.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 67.500 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

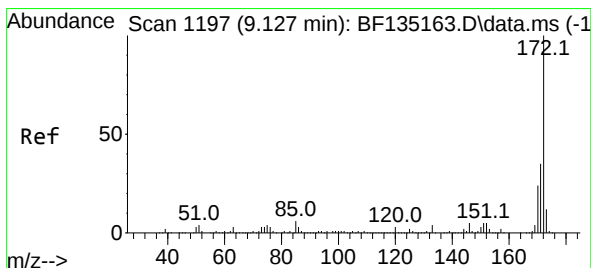
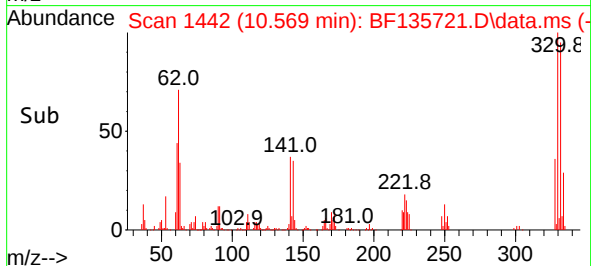
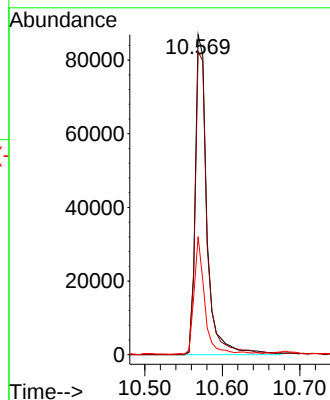
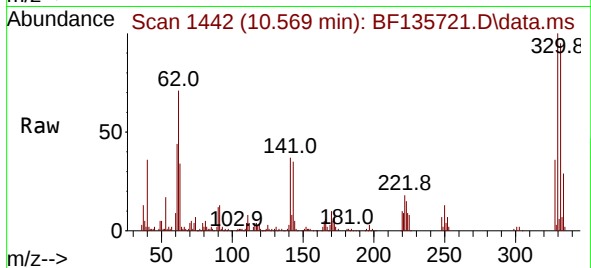
HD-02-100623

Tgt Ion:330 Resp: 9155
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 33.1 25.8 38.8

Manual Integrations

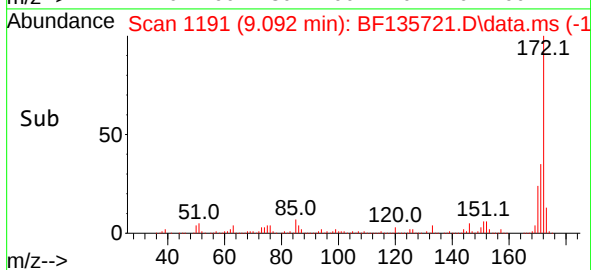
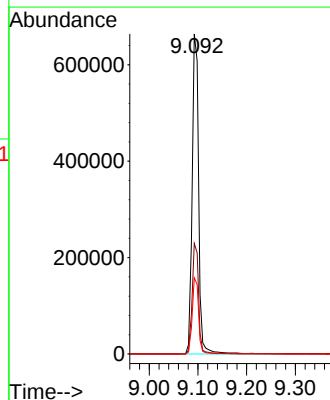
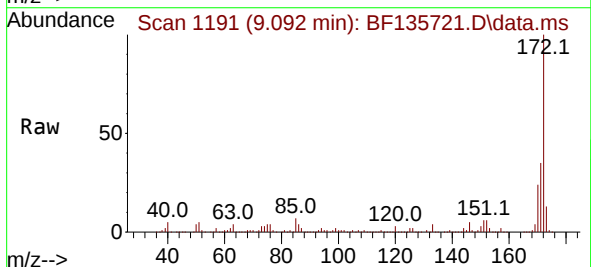
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Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#45
2-Fluorobiphenyl
Concen: 67.584 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

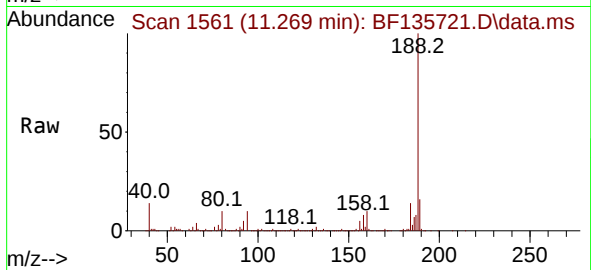
Tgt Ion:172 Resp: 611419
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.8 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

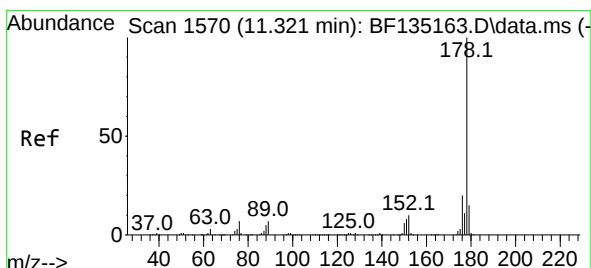
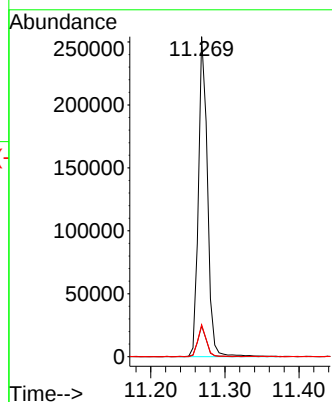
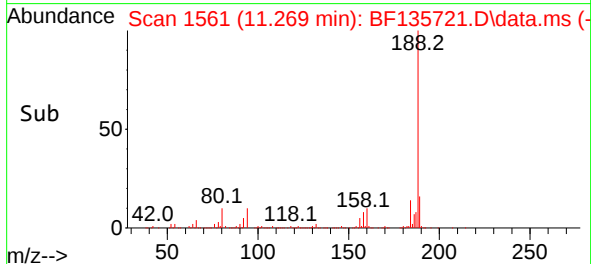
Instrument :
BNA_F
ClientSampleId :
HD-02-100623



Tgt Ion:188 Resp: 21440
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.0 7.5 11.3

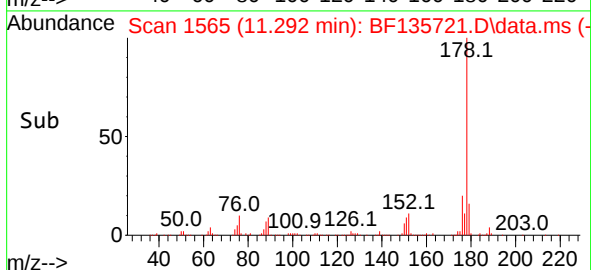
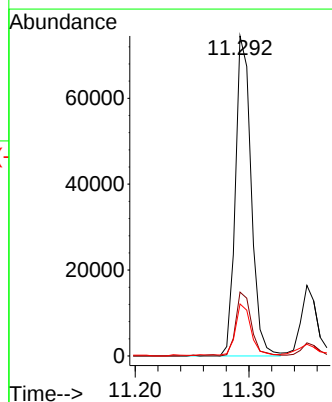
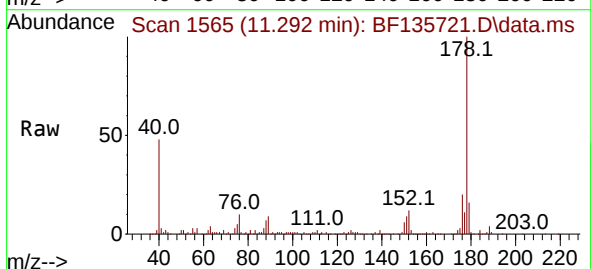
Manual Integrations
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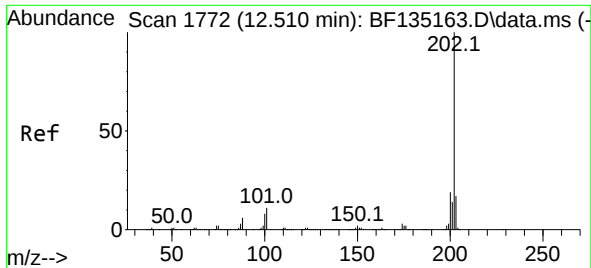
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#71
Phenanthrene
Concen: 7.094 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

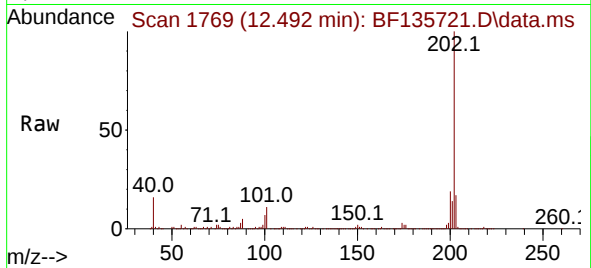
Tgt Ion:178 Resp: 71932
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 16.3 12.0 18.0





#75
Fluoranthene
Concen: 17.683 ng
RT: 12.492 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

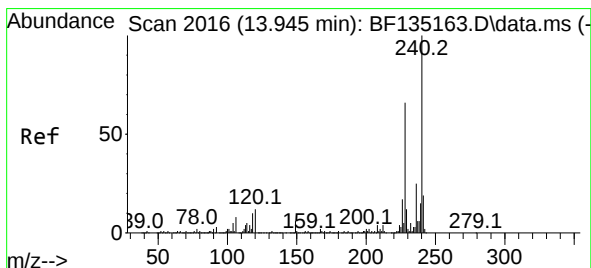
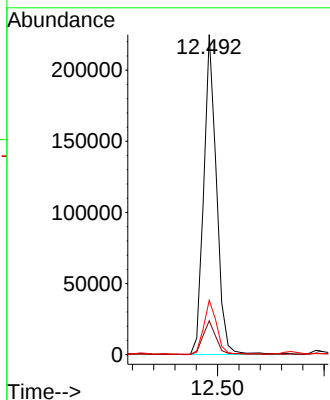
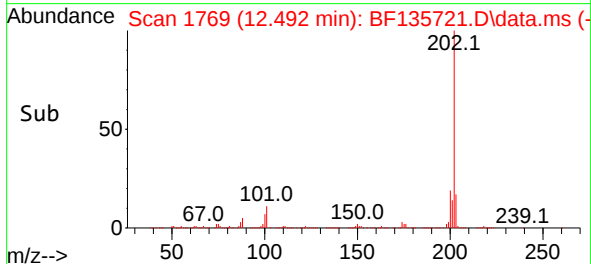
Instrument :
BNA_F
ClientSampleId :
HD-02-100623



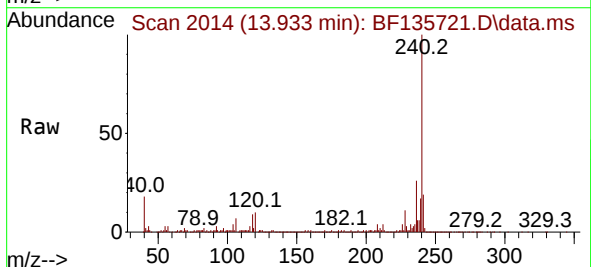
Tgt Ion:202 Resp: 18684
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 17.0 0.0 37.4

Manual Integrations
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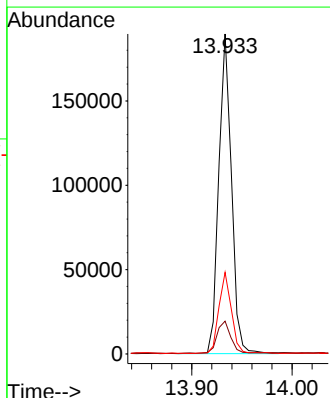
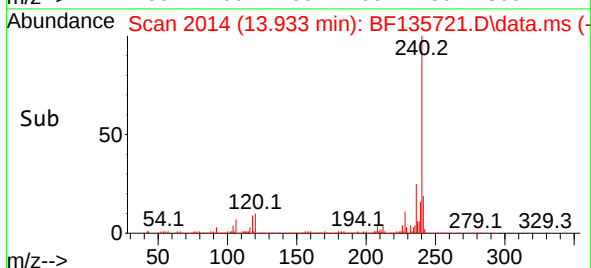
Reviewed By :Yogesh Patel 10/12/2023
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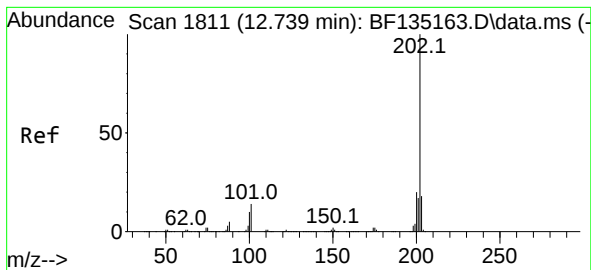


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16



Tgt Ion:240 Resp: 165789
Ion Ratio Lower Upper
240 100
120 10.2 9.4 14.2
236 25.5 19.8 29.8





#78

Pyrene

Concen: 10.885 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

Tgt Ion:202 Resp: 171818

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

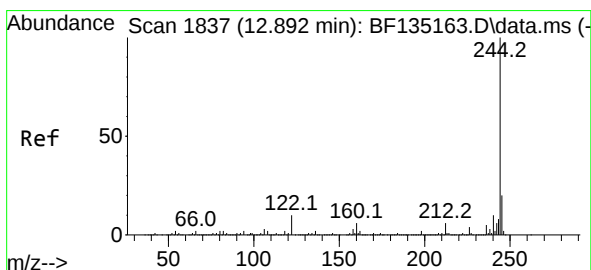
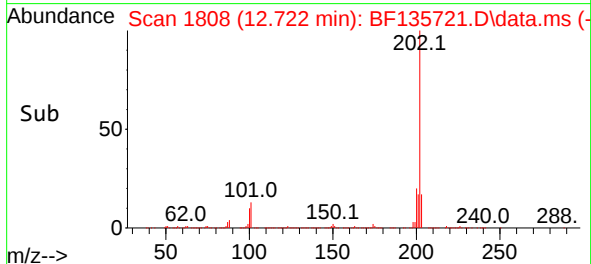
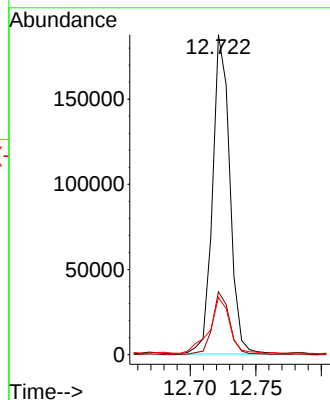
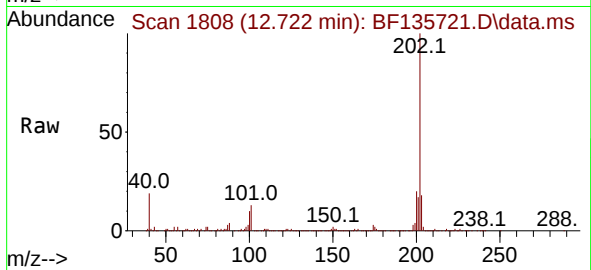
203 17.9 14.2 21.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#79

Terphenyl-d14

Concen: 45.790 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

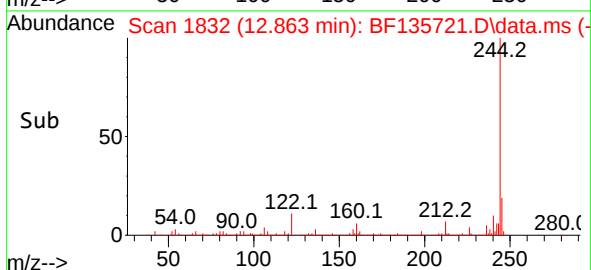
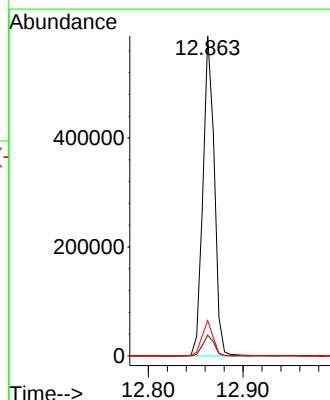
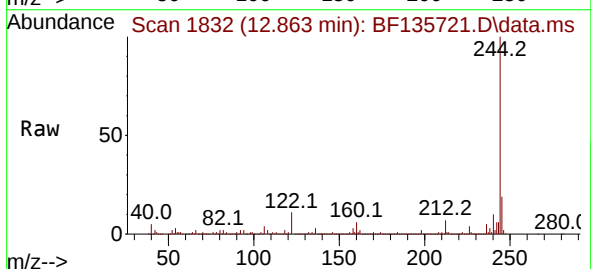
Tgt Ion:244 Resp: 489709

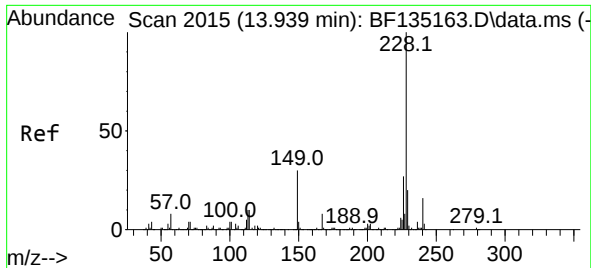
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

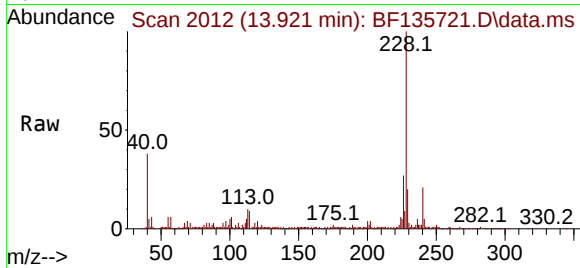
122 11.0 7.9 11.9





#81
Benzo(a)anthracene
Concen: 7.622 ng
RT: 13.921 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

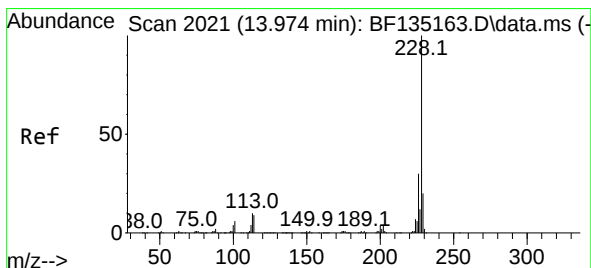
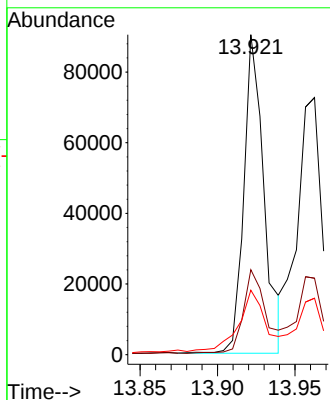
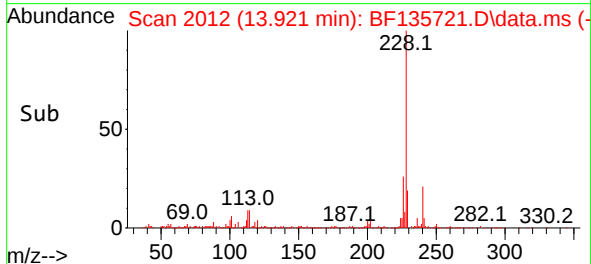
Instrument :
BNA_F
ClientSampleId :
HD-02-100623



Tgt Ion:228 Resp: 81599
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 20.2 15.8 23.8

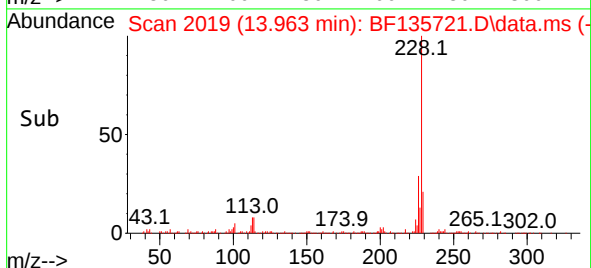
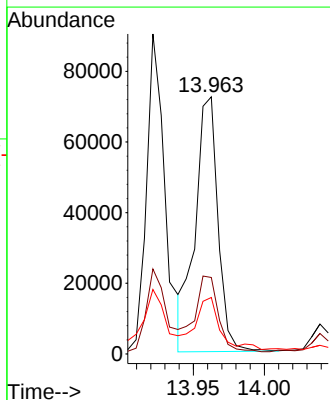
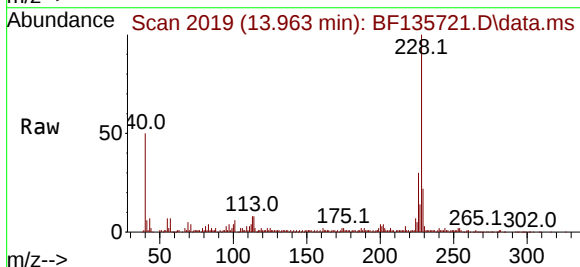
Manual Integrations
APPROVED

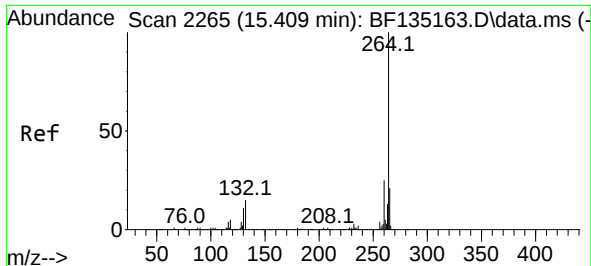
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#83
Chrysene
Concen: 7.622 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:228 Resp: 81124
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 22.0 16.0 24.0





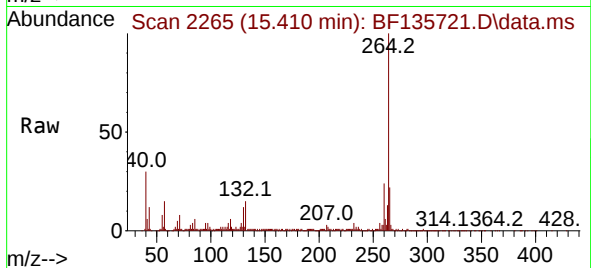
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

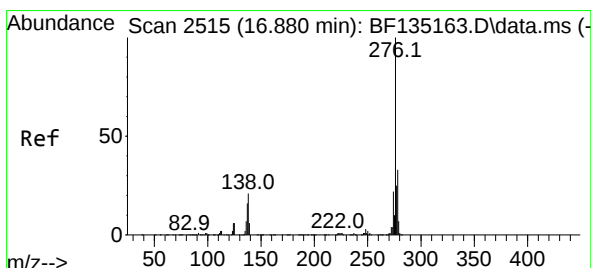
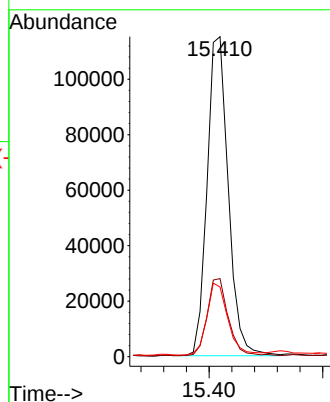
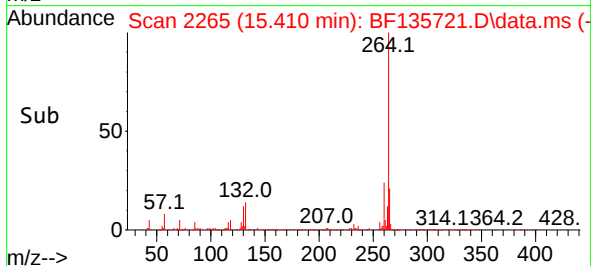


Tgt Ion:264 Resp: 14866
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.6
265 21.8 17.0 25.4

Manual Integrations

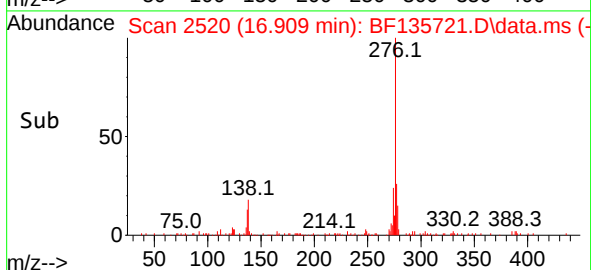
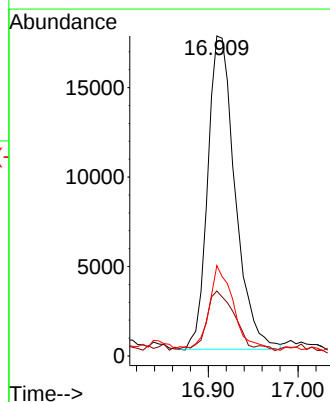
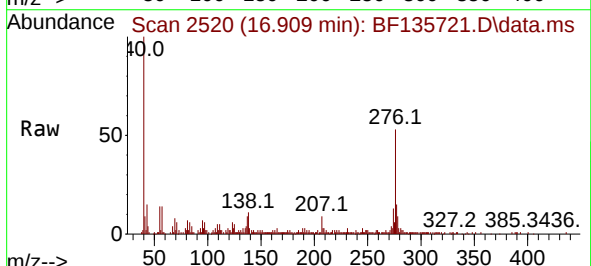
APPROVED

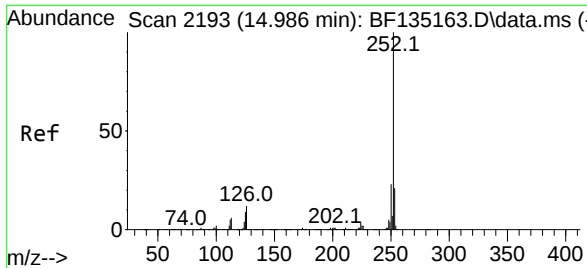
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.810 ng
RT: 16.909 min Scan# 2520
Delta R.T. 0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:276 Resp: 37137
Ion Ratio Lower Upper
276 100
138 17.5 19.2 28.8#
277 24.1 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 12.299 ng m
RT: 14.980 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

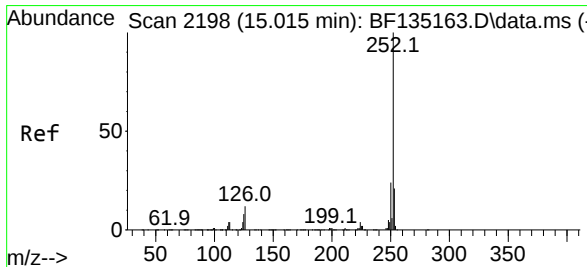
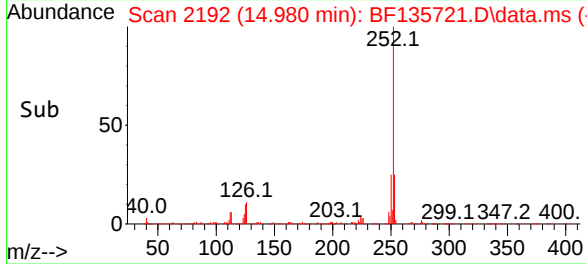
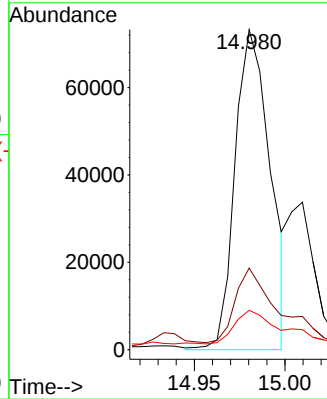
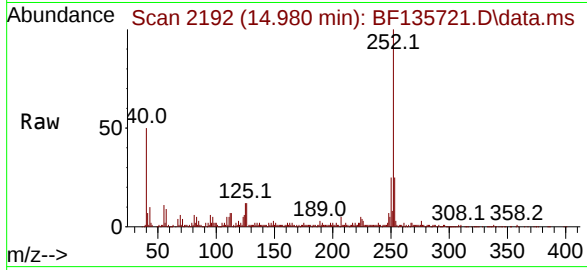
Tgt Ion:252 Resp: 9898
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 12.3 7.1 10.7

Manual Integrations

APPROVED

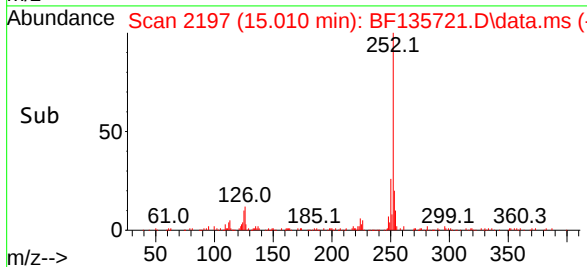
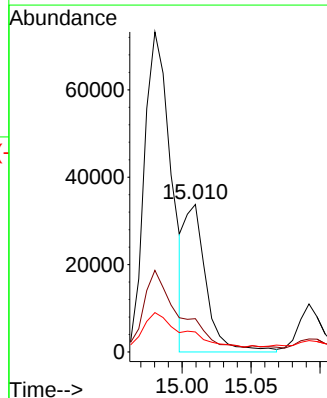
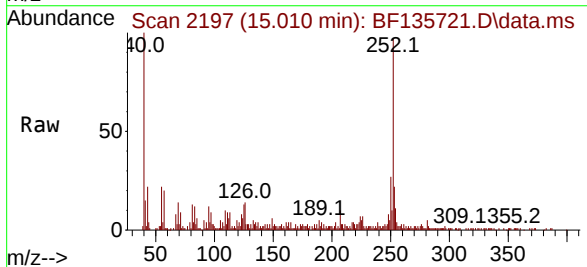
Reviewed By :Yogesh Patel 10/12/2023

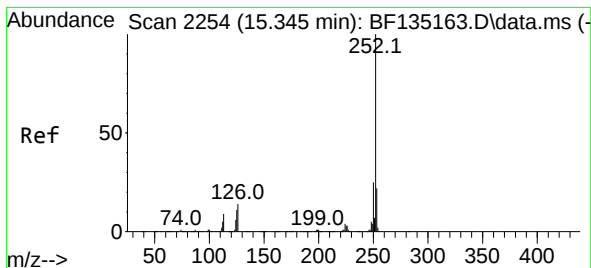
Supervised By :mohammad ahmed 10/13/2023



#89
Benzo(k)fluoranthene
Concen: 4.619 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:252 Resp: 36718
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 13.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 8.489 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

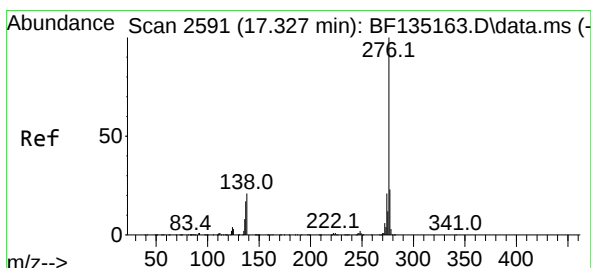
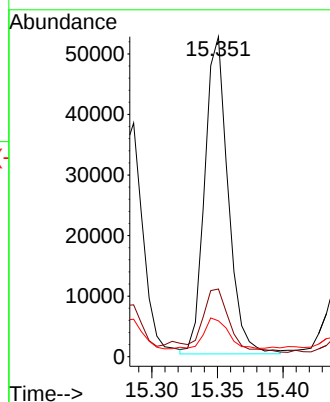
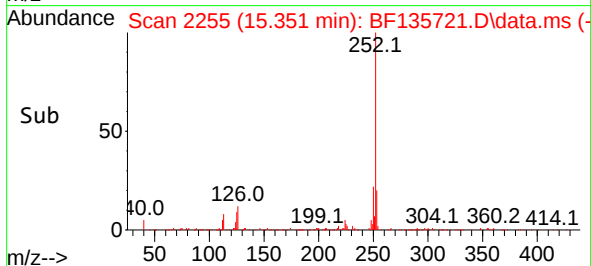
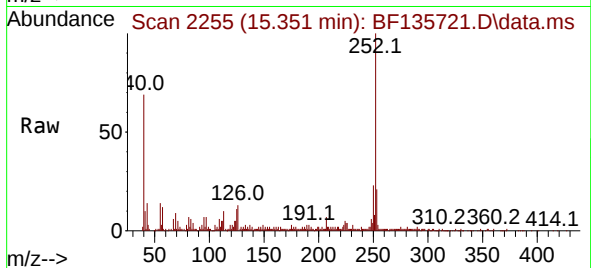
Tgt Ion:	252	Resp:	65140
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.5	26.3
125	11.2	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#92

Benzo(g,h,i)perylene

Concen: 4.578 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.018 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Tgt Ion:	276	Resp:	38130
Ion Ratio	Lower	Upper	
276	100		
277	22.4	18.8	28.2
138	20.9	16.9	25.3

