

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
 Data File : BF132751.D
 Acq On : 10 Mar 2023 20:18
 Operator : CG\JU
 Sample : 01848-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-03082023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/13/2023
 Supervised By : Jagrut Upadhyay 03/13/2023

Quant Time: Mar 11 03:06:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	184550	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	616981	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	270011	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	454041	20.000	ng	0.00
76) Chrysene-d12	14.180	240	295511	20.000	ng	0.00
86) Perylene-d12	15.733	264	248095	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	925979	81.433	ng	0.00
7) Phenol-d6	6.604	99	1118370	75.360	ng	-0.02
23) Nitrobenzene-d5	7.539	82	684628	52.646	ng	-0.02
42) 2,4,6-Tribromophenol	10.816	330	210820	72.298	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	1028388	57.993	ng	0.00
79) Terphenyl-d14	13.110	244	1083688	62.002	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.575	166	41516	2.274	ng	99
71) Phenanthrene	11.545	178	281208	11.955	ng	98
72) Anthracene	11.592	178	76442	3.156	ng	99
75) Fluoranthene	12.739	202	405798	15.781	ng	100
78) Pyrene	12.974	202	425801	15.848	ng	99
81) Benzo(a)anthracene	14.168	228	148870	6.733	ng	# 93
83) Chrysene	14.204	228	126938	6.139	ng	95
87) Indeno(1,2,3-cd)pyrene	17.321	276	64782	3.985	ng	100
88) Benzo(b)fluoranthene	15.268	252	158577m	9.538	ng	
89) Benzo(k)fluoranthene	15.292	252	47851m	2.941	ng	
90) Benzo(a)pyrene	15.662	252	112458	7.227	ng	# 86
92) Benzo(g,h,i)perylene	17.815	276	74118	6.399	ng	# 88

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

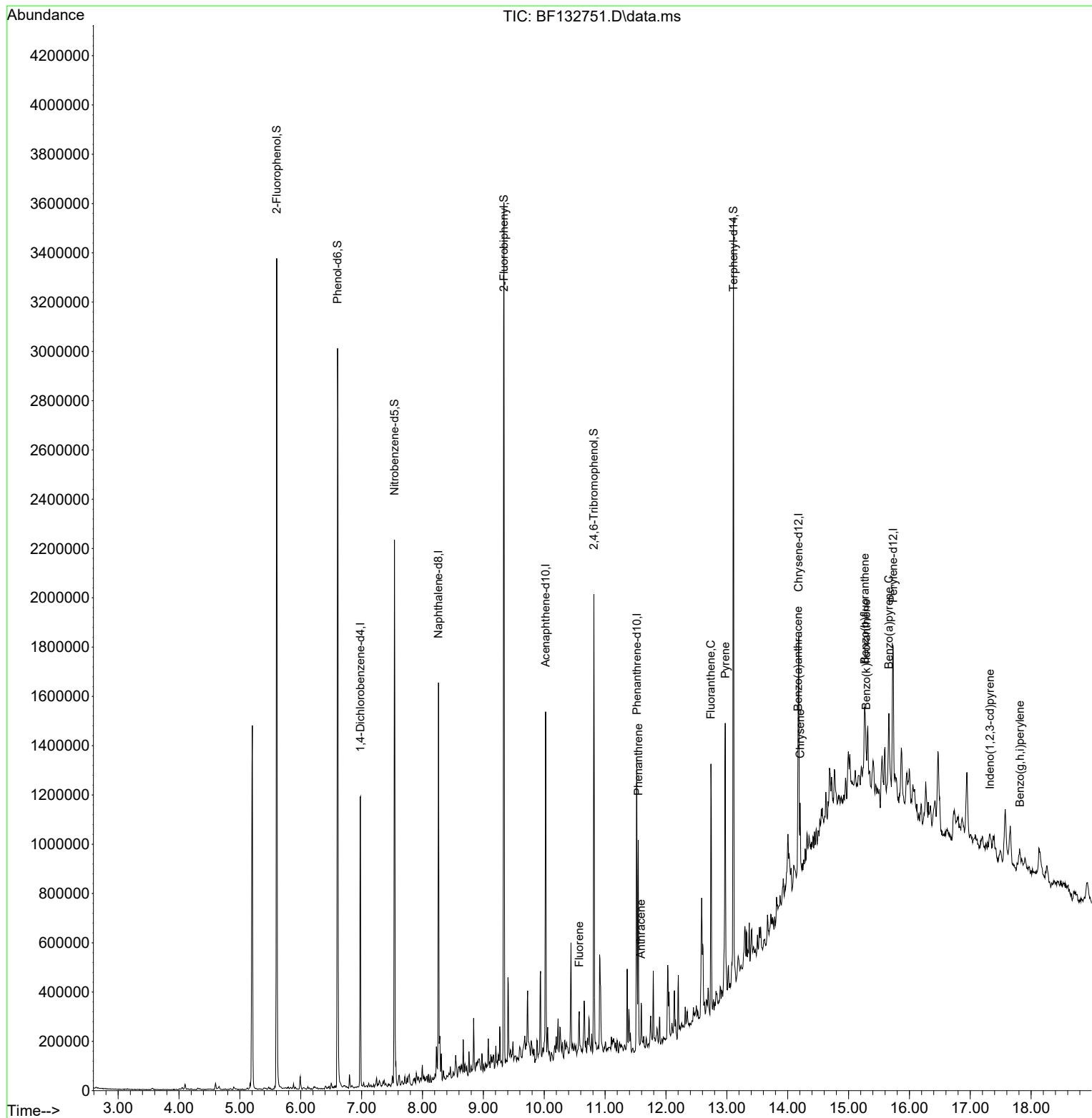
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
Data File : BF132751.D
Acq On : 10 Mar 2023 20:18
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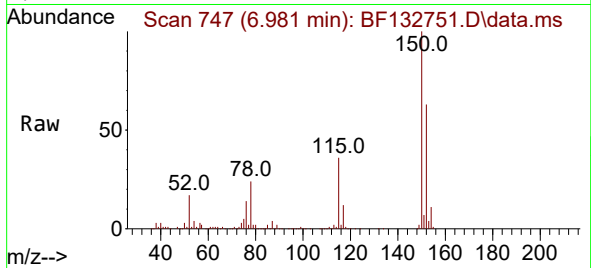
Reviewed By : Christian Giraldo 03/13/2023
Supervised By : Jagrut Upadhyay 03/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

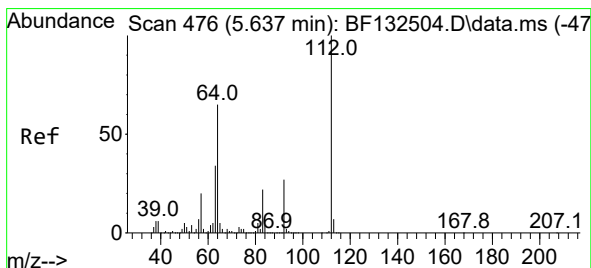
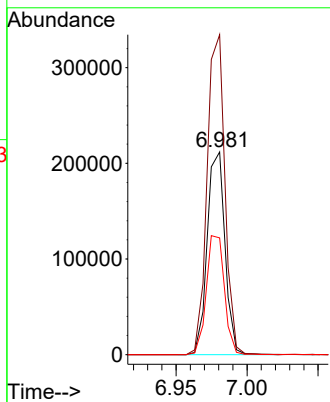
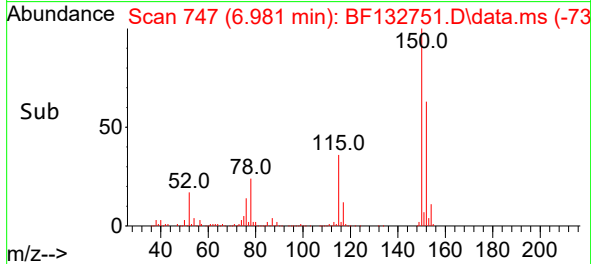
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023



Tgt Ion:152 Resp: 184550
Ion Ratio Lower Upper
152 100
150 157.9 125.4 188.2
115 57.6 47.8 71.6

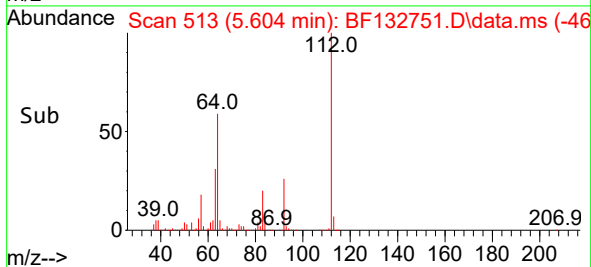
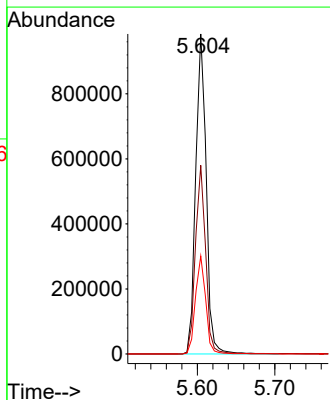
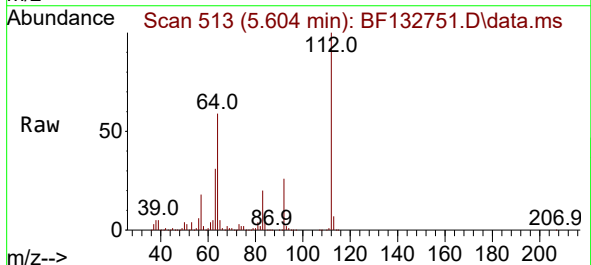
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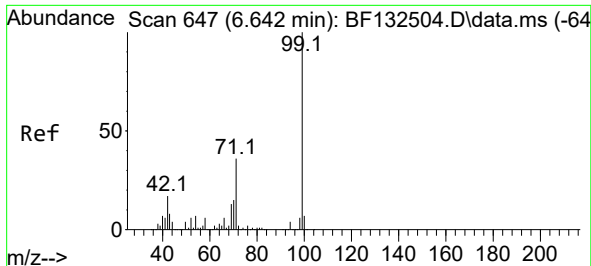
Reviewed By :Christian Giraldo 03/13/2023
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#5
2-Fluorophenol
Concen: 81.433 ng
RT: 5.604 min Scan# 513
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

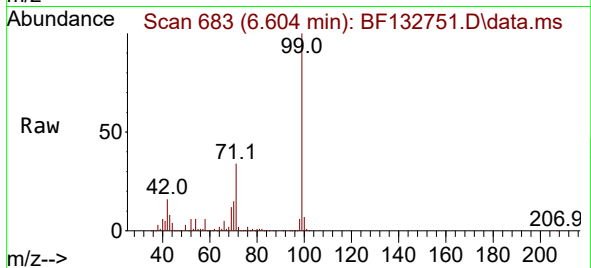
Tgt Ion:112 Resp: 925979
Ion Ratio Lower Upper
112 100
64 58.9 51.6 77.4
63 30.6 27.4 41.2





#7
Phenol-d6
Concen: 75.360 ng
RT: 6.604 min Scan# 61
Delta R.T. -0.017 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

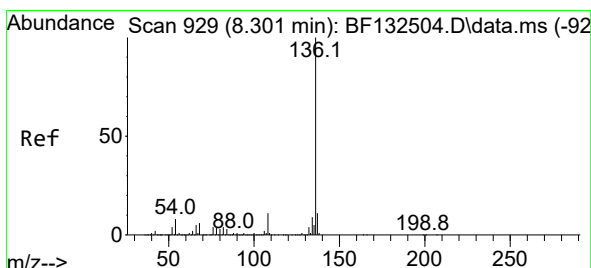
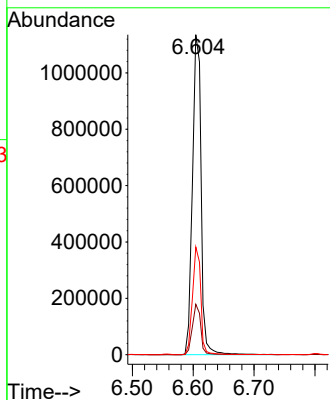
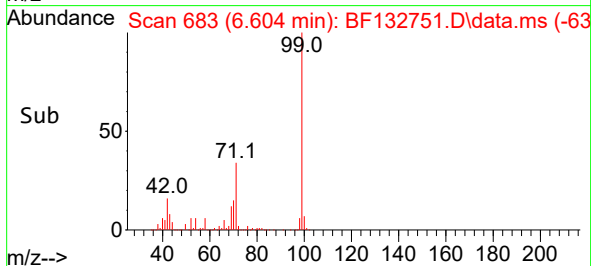
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023



Tgt Ion: 99 Resp: 1118370
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 33.6 28.5 42.7

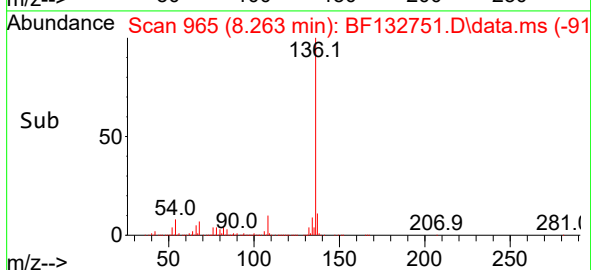
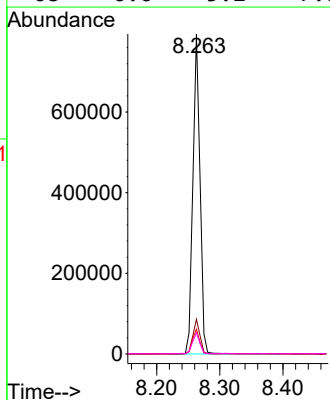
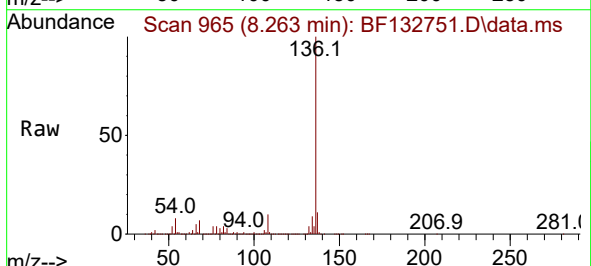
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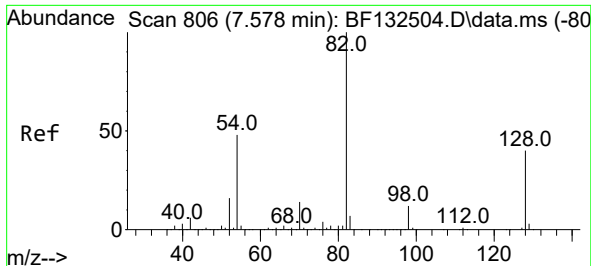
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:136 Resp: 616981
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.2 9.4
68 6.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 52.646 ng

RT: 7.539 min Scan# 842

Delta R.T. -0.018 min

Lab File: BF132751.D

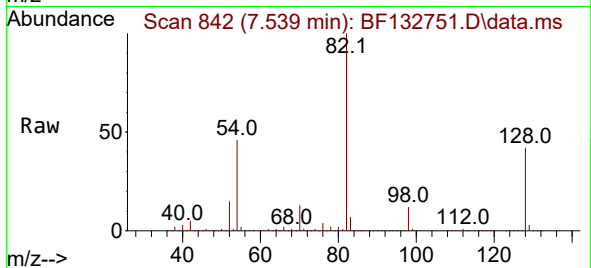
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Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

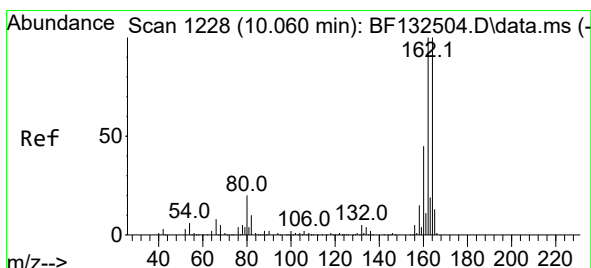
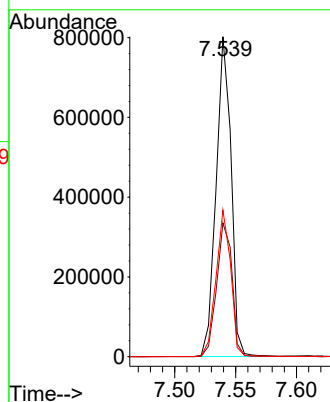
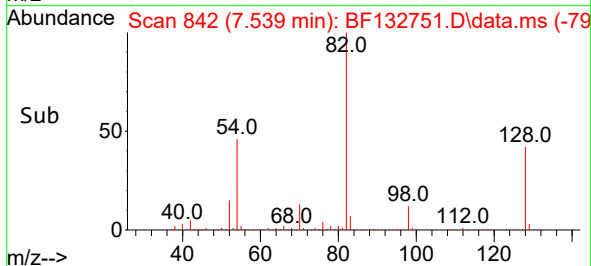


Tgt Ion: 82	Resp: 684628
Ion Ratio	Lower Upper
82 100	
128 41.8	32.2 48.2
54 45.8	38.4 57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

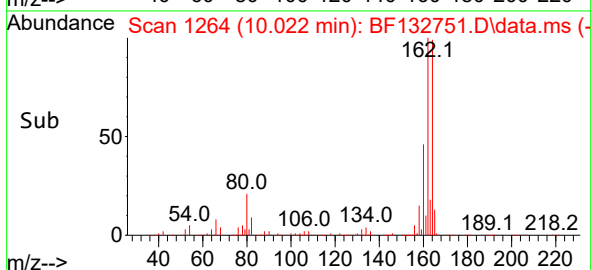
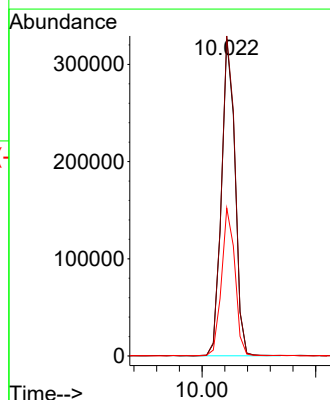
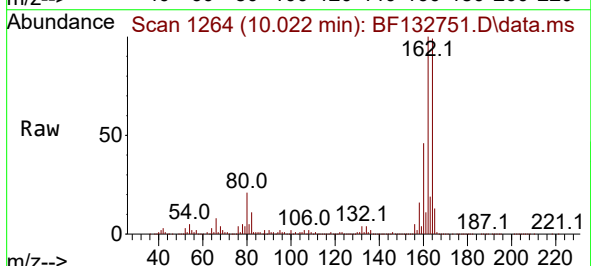
RT: 10.022 min Scan# 1264

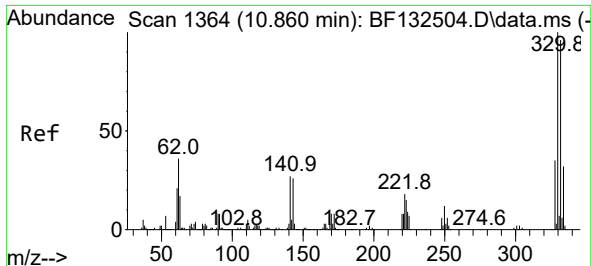
Delta R.T. -0.012 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Tgt Ion:164	Resp: 270011		
Ion Ratio	Lower	Upper	
164	100		
162	100.9	79.8	119.8
160	46.7	35.8	53.6





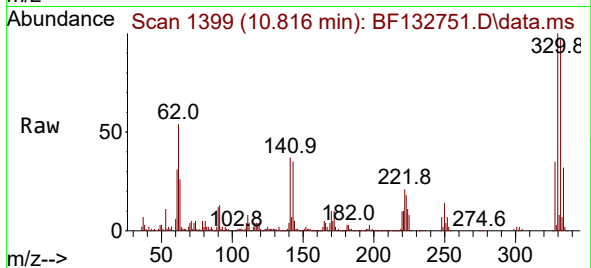
#42
2,4,6-Tribromophenol
Concen: 72.298 ng
RT: 10.816 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

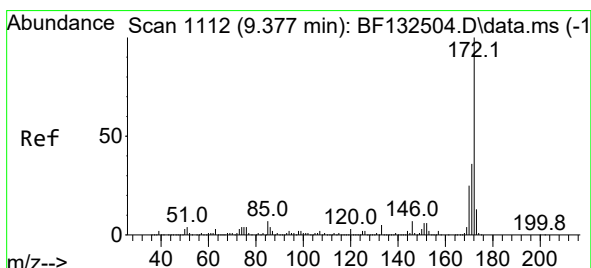
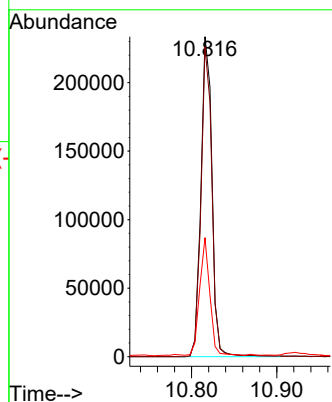
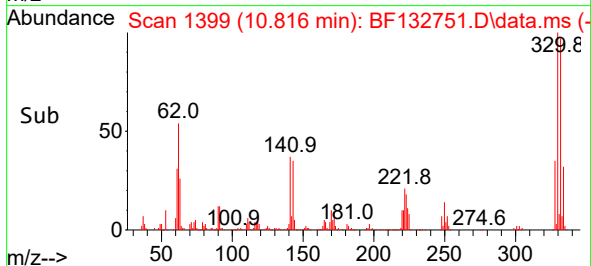


Tgt Ion:330 Resp: 210820
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 34.0 28.4 42.6

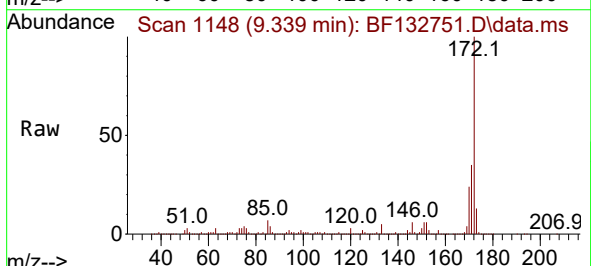
Manual Integrations

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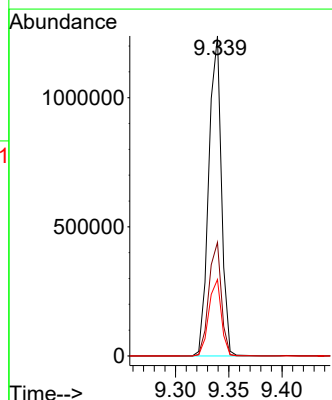
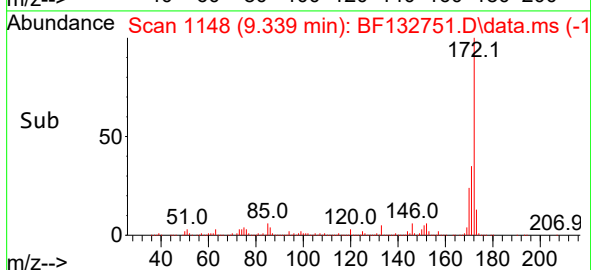
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

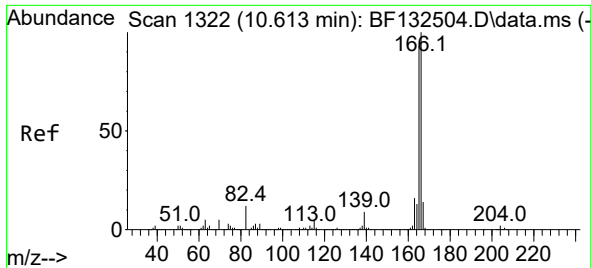


#45
2-Fluorobiphenyl
Concen: 57.993 ng
RT: 9.339 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18



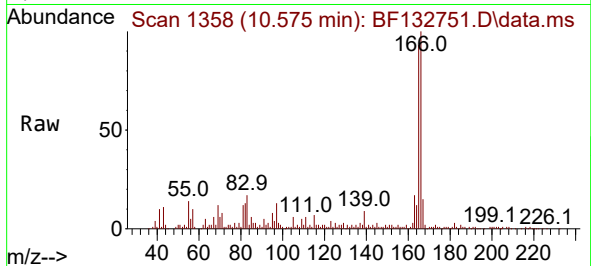
Tgt Ion:172 Resp: 1028388
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.9 19.7 29.5





#58
Fluorene
Concen: 2.274 ng
RT: 10.575 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

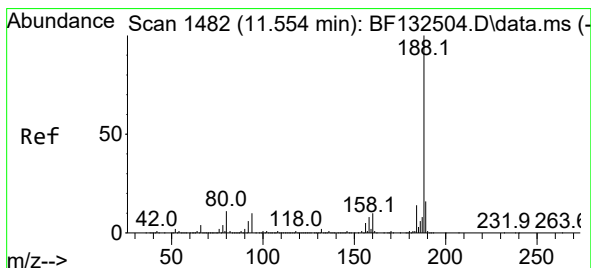
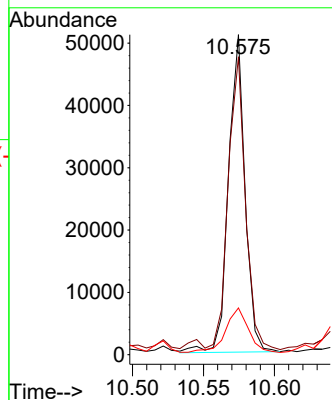
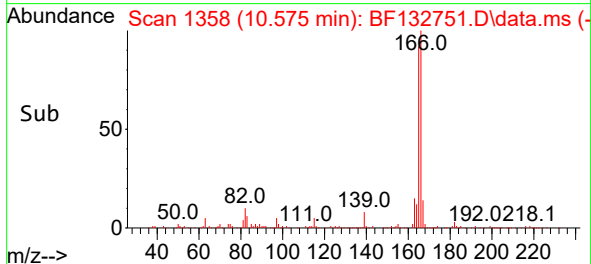
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023



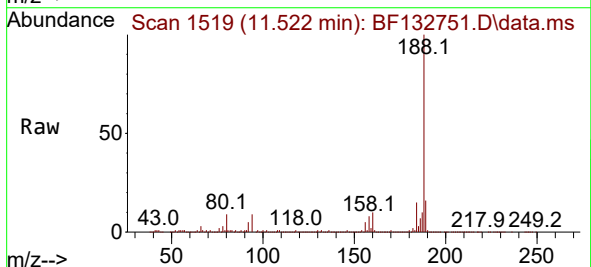
Tgt Ion:166 Resp: 41510
Ion Ratio Lower Upper
166 100
165 93.1 74.2 111.4
167 14.6 11.1 16.7

Manual Integrations
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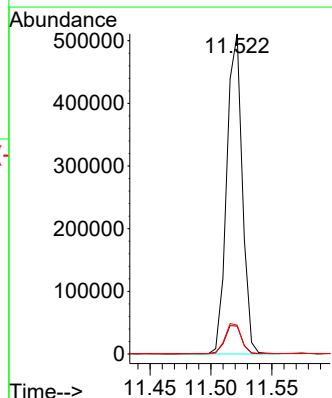
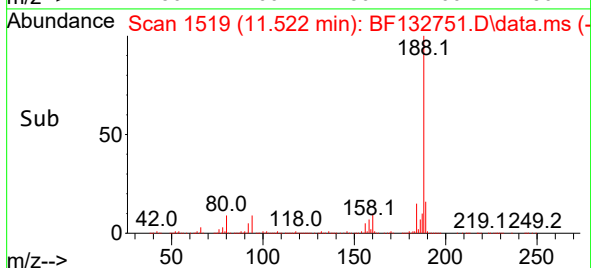
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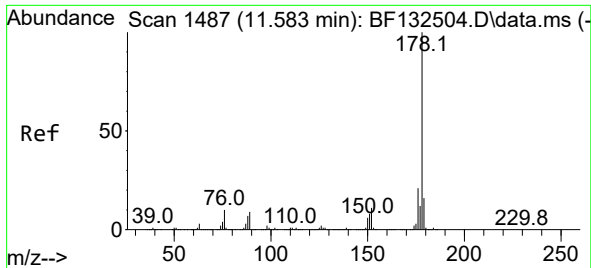


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18



Tgt Ion:188 Resp: 454041
Ion Ratio Lower Upper
188 100
94 8.7 8.3 12.5
80 9.0 8.7 13.1





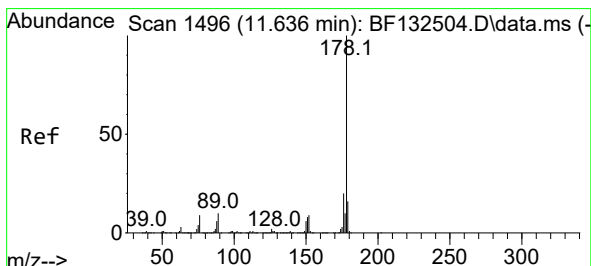
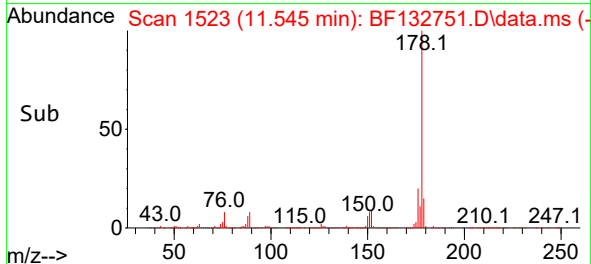
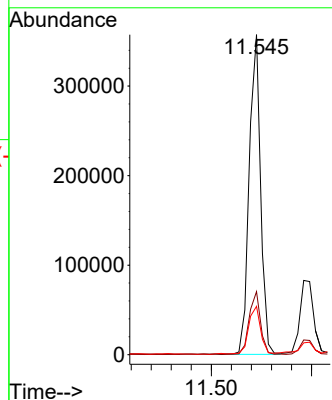
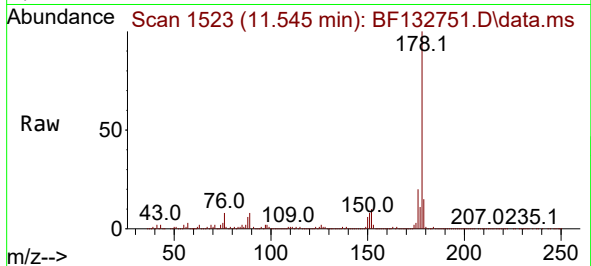
#71
Phenanthrene
Concen: 11.955 ng
RT: 11.545 min Scan# 11531
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Instrument :
BNA_F
ClientSampleId :
OR-02-03082023

Tgt Ion:178 Resp: 281208
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.1 13.0 19.6

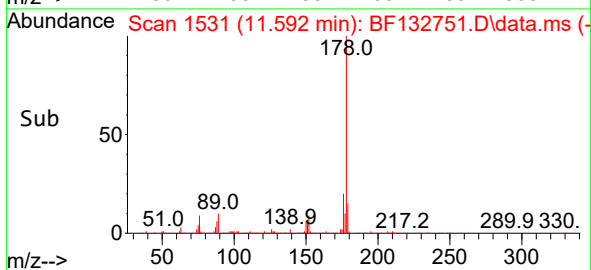
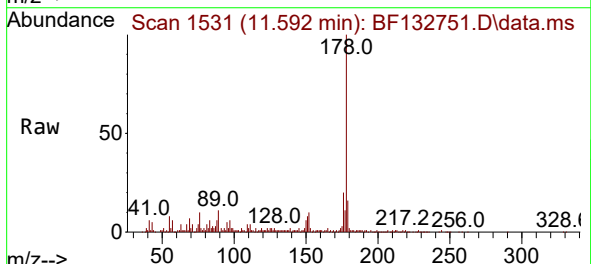
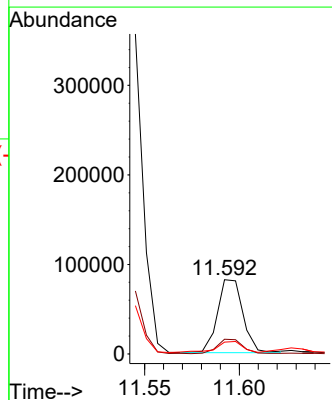
Manual Integrations
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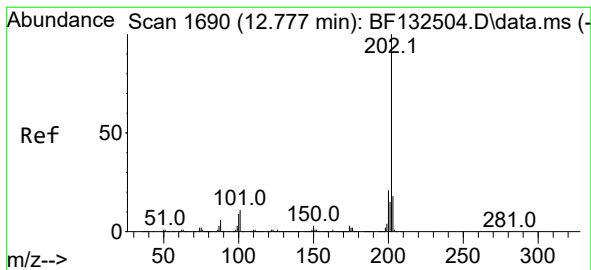
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#72
Anthracene
Concen: 3.156 ng
RT: 11.592 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

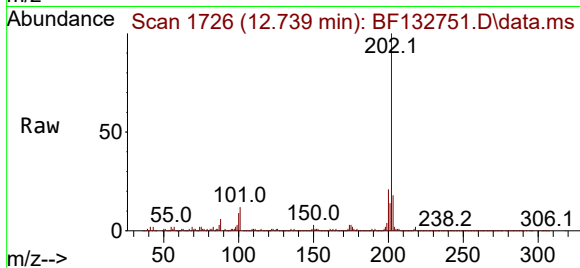
Tgt Ion:178 Resp: 76442
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 15.781 ng
RT: 12.739 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

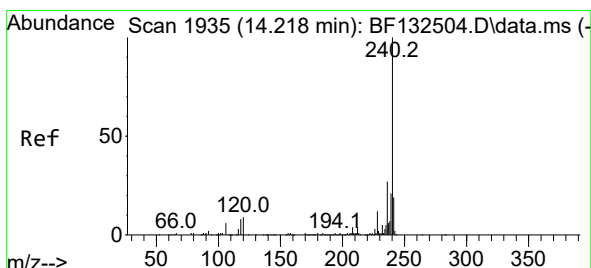
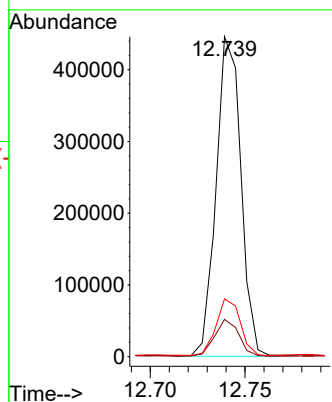
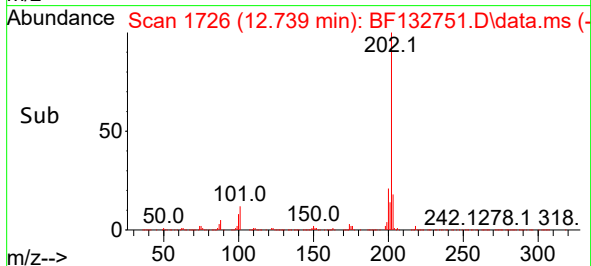
Instrument :
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OR-02-03082023



Tgt Ion:202 Resp: 405798
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 18.0 0.0 38.0

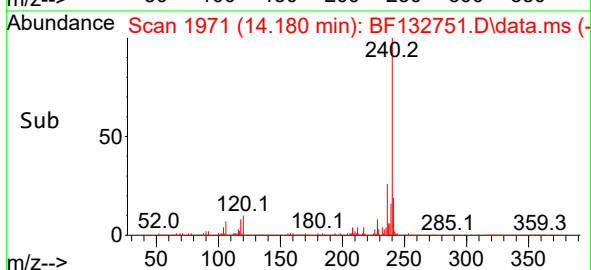
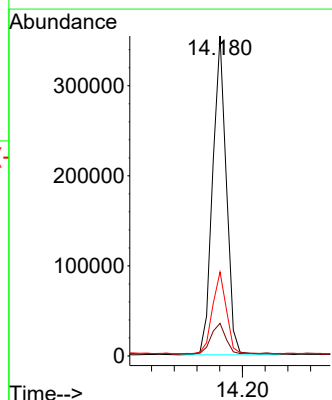
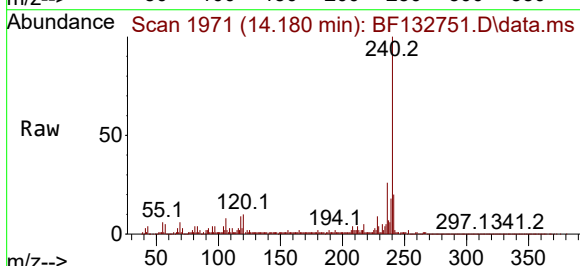
Manual Integrations
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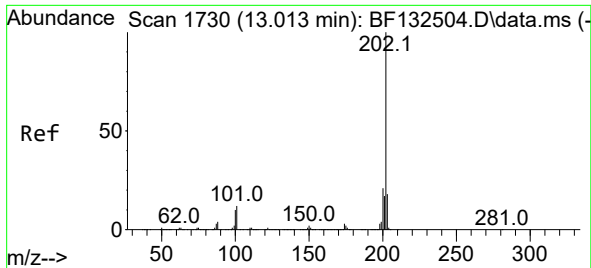
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

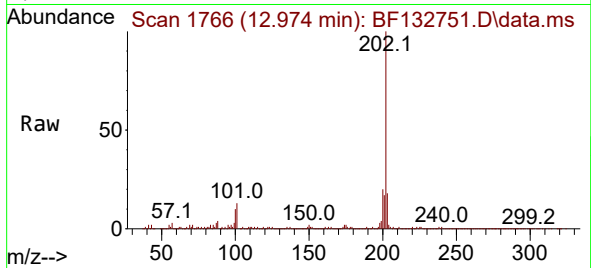
Tgt Ion:240 Resp: 295511
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 26.3 21.8 32.6





#78
Pyrene
Concen: 15.848 ng
RT: 12.974 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

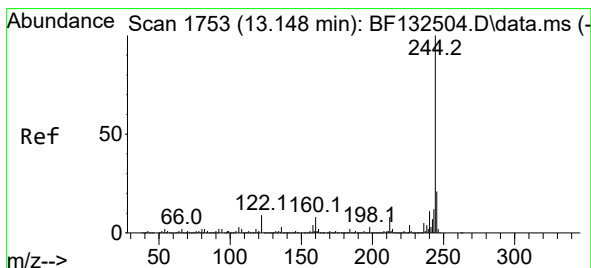
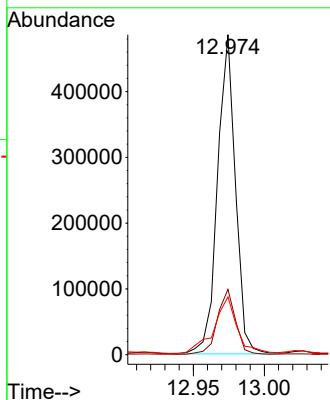
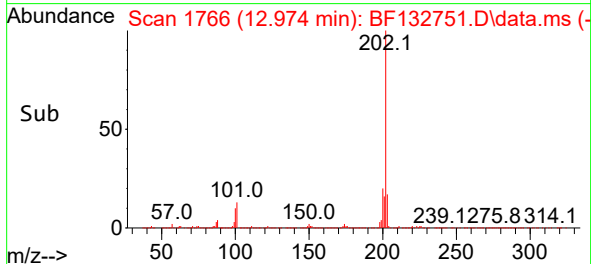
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023



Tgt Ion:202 Resp: 42580
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 18.1 14.6 21.8

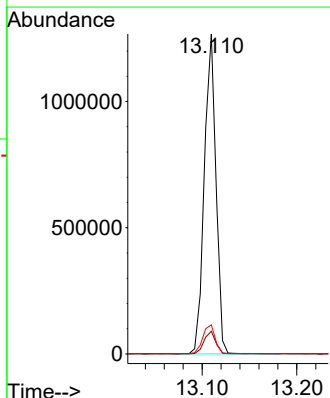
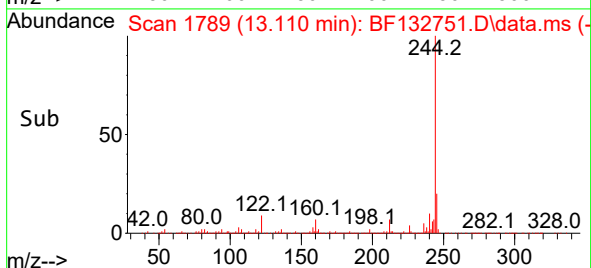
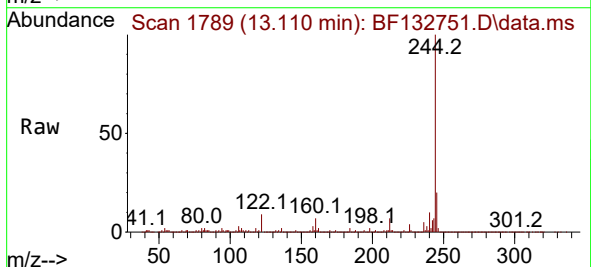
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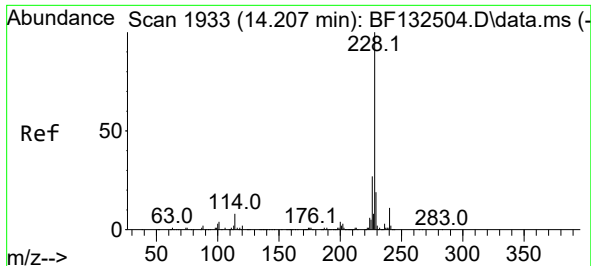
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#79
Terphenyl-d14
Concen: 62.002 ng
RT: 13.110 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

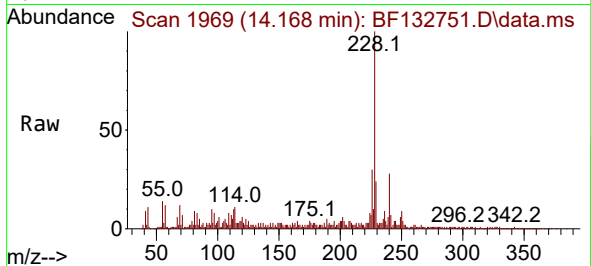
Tgt Ion:244 Resp: 1083688
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 9.1 7.5 11.3





#81
Benzo(a)anthracene
Concen: 6.733 ng
RT: 14.168 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

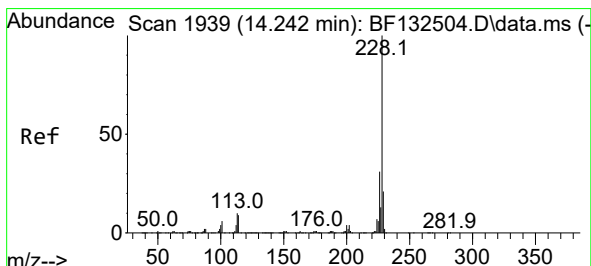
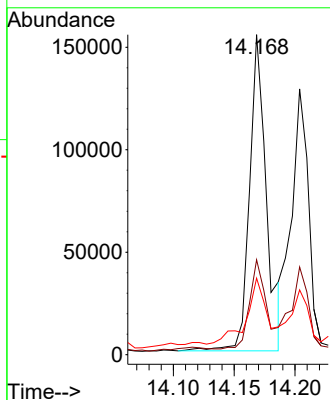
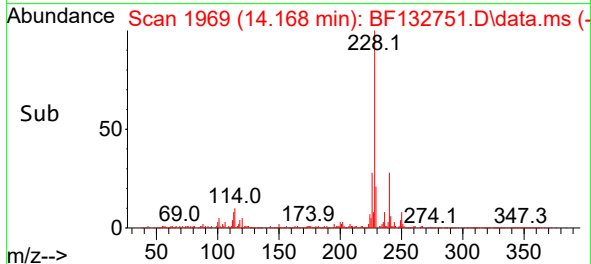
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023



Tgt Ion:228 Resp: 148870
Ion Ratio Lower Upper
228 100
226 29.7 21.7 32.5
229 23.9 15.4 23.2

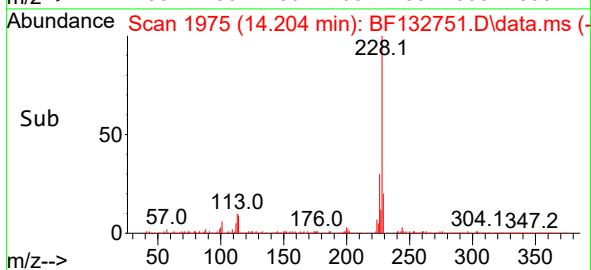
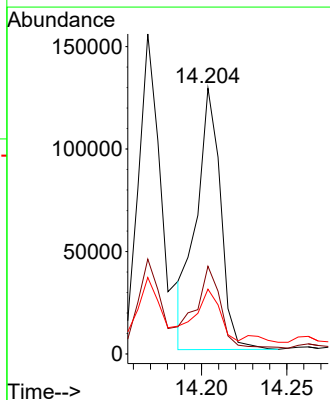
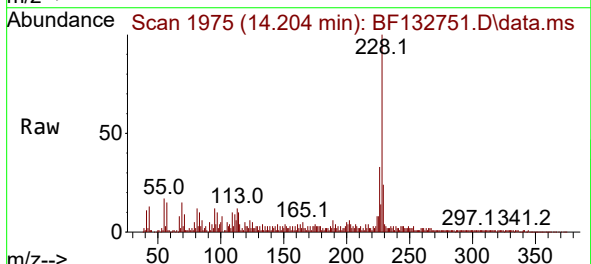
Manual Integrations
APPROVED

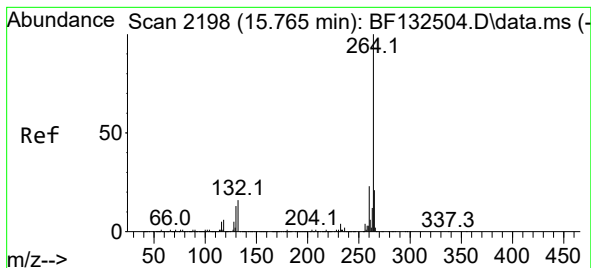
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#83
Chrysene
Concen: 6.139 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:228 Resp: 126938
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 24.4 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.733 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

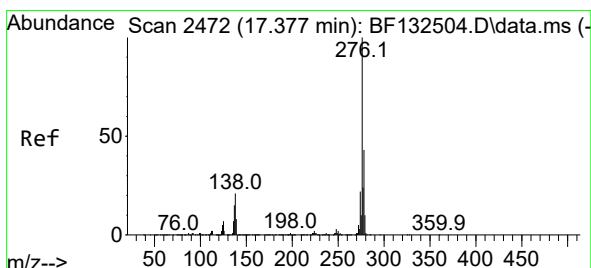
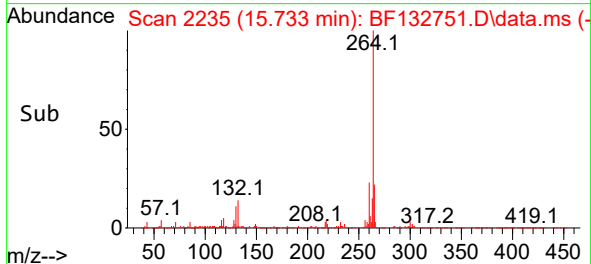
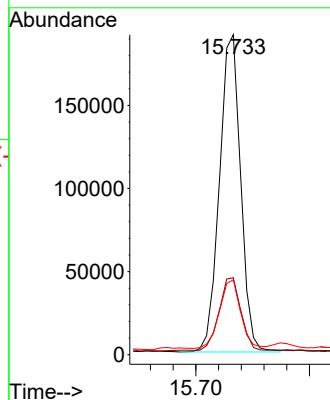
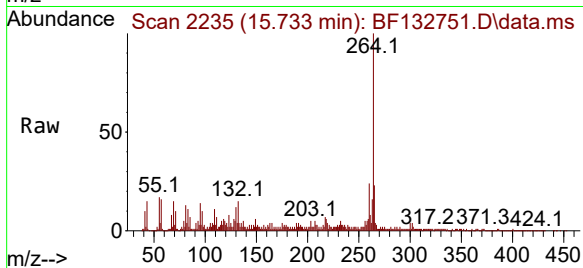
Tgt Ion:264 Resp: 248095
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 23.4 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023

Supervised By :Jagrut Upadhyay 03/13/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.985 ng

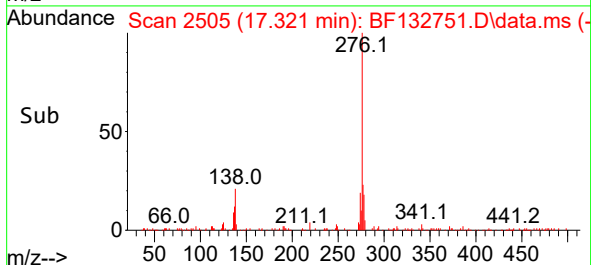
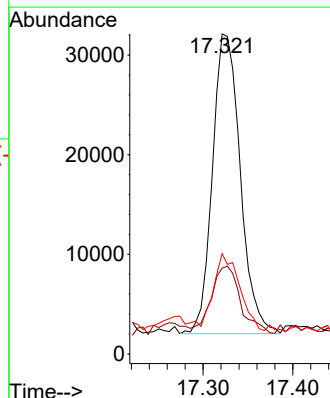
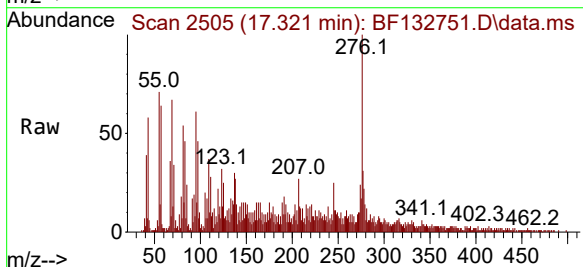
RT: 17.321 min Scan# 2505

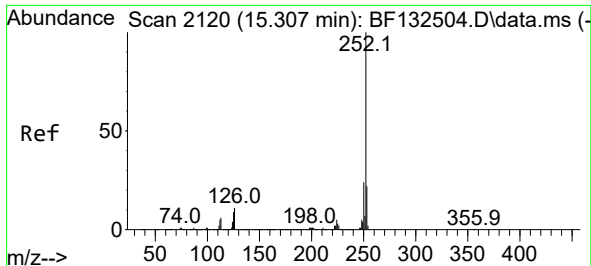
Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

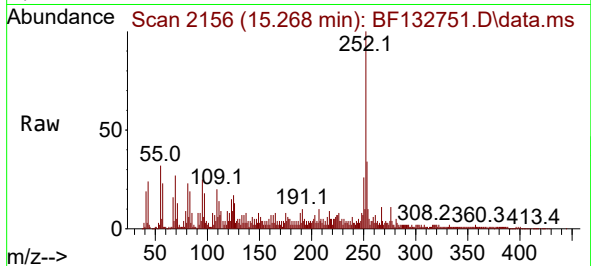
Tgt Ion:276 Resp: 64782
 Ion Ratio Lower Upper
 276 100
 138 23.9 19.0 28.4
 277 25.0 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 9.538 ng m
RT: 15.268 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

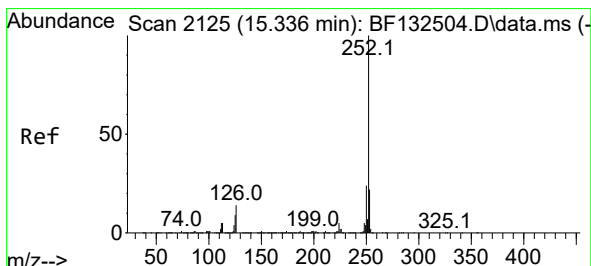
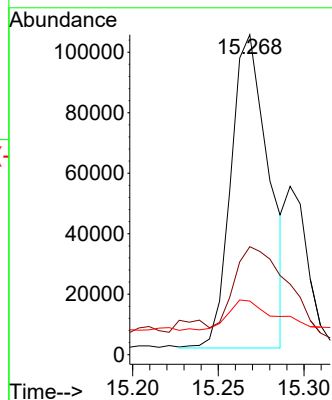
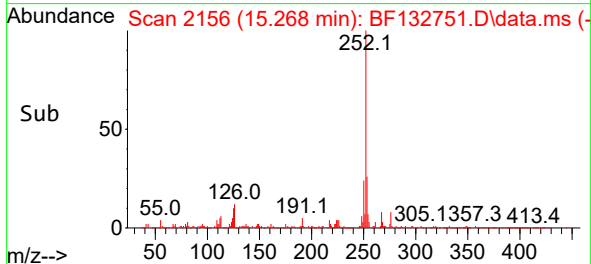
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023



Tgt Ion:252 Resp: 15857
Ion Ratio Lower Upper
252 100
253 33.7 17.4 26.0#
125 16.8 7.0 10.6#

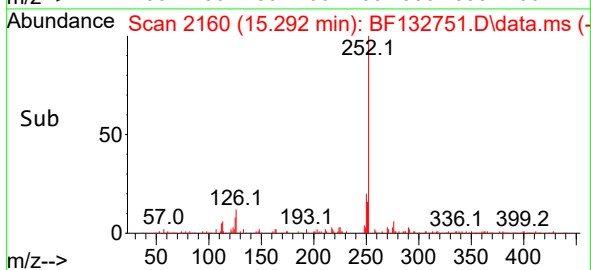
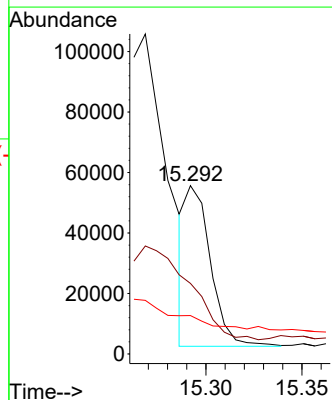
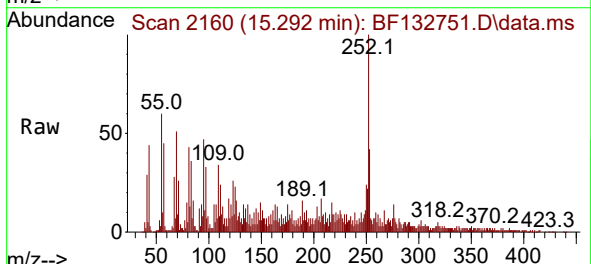
Manual Integrations
APPROVED

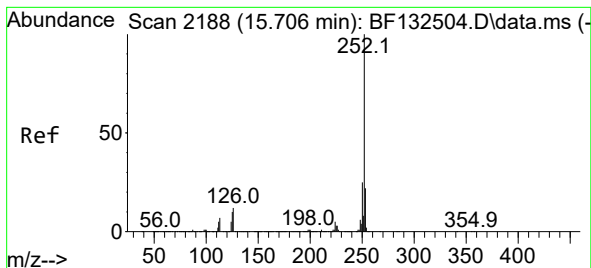
Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023



#89
Benzo(k)fluoranthene
Concen: 2.941 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:252 Resp: 47851
Ion Ratio Lower Upper
252 100
253 41.9 17.5 26.3#
125 22.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.227 ng

RT: 15.662 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

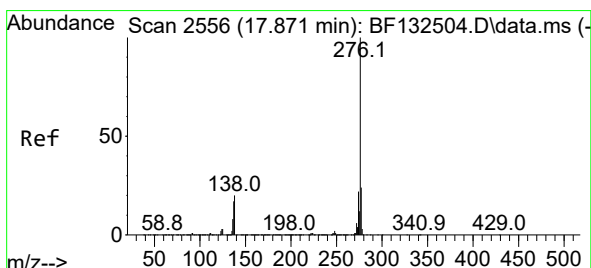
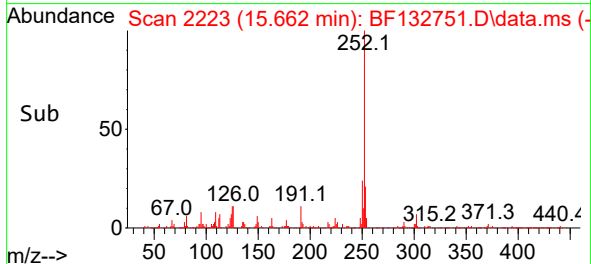
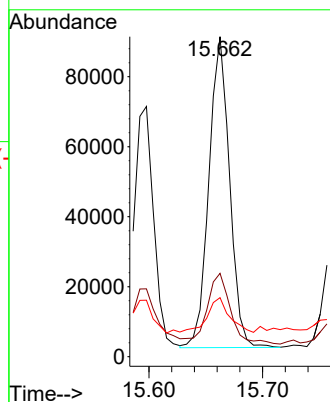
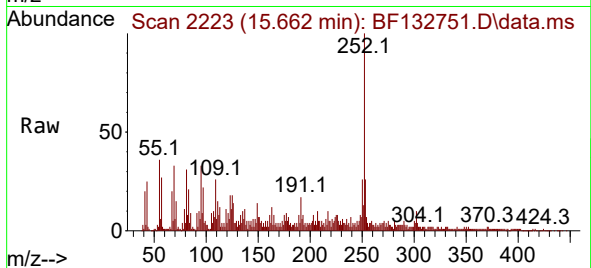
OR-02-03082023

Tgt Ion:252 Resp: 112458
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.2 25.8
 125 18.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/13/2023
 Supervised By :Jagrut Upadhyay 03/13/2023



#92

Benzo(g,h,i)perylene

Concen: 6.399 ng

RT: 17.815 min Scan# 2589

Delta R.T. 0.000 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Tgt Ion:276 Resp: 74118
 Ion Ratio Lower Upper
 276 100
 277 28.9 18.9 28.3#
 138 26.0 16.2 24.4#

