

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132232.D
 Acq On : 31 Jan 2023 02:44
 Operator : CG\JU
 Sample : 01318-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RJ-1-012523

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/31/2023
 Supervised By : Jagrut Upadhyay 01/31/2023

Quant Time: Jan 31 03:10:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.084	152	142170	20.000	ng	0.00
21) Naphthalene-d8	8.372	136	441715	20.000	ng	0.00
39) Acenaphthene-d10	10.136	164	217066	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	452922	20.000	ng	# 0.00
76) Chrysene-d12	14.301	240	286631	20.000	ng	0.00
86) Perylene-d12	15.895	264	229923	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	776942	90.926	ng	0.00
7) Phenol-d6	6.689	99	895319	83.565	ng	0.00
23) Nitrobenzene-d5	7.642	82	498246	59.053	ng	0.00
42) 2,4,6-Tribromophenol	10.924	330	205237	102.108	ng	0.00
45) 2-Fluorobiphenyl	9.442	172	852611	57.797	ng	0.00
79) Terphenyl-d14	13.224	244	1046162	57.344	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.660	178	368034	15.973	ng	98
72) Anthracene	11.707	178	98526	4.199	ng	97
75) Fluoranthene	12.860	202	954200	40.701	ng	98
78) Pyrene	13.095	202	1118964	41.665	ng	99
81) Benzo(a)anthracene	14.289	228	455603	22.607	ng	99
83) Chrysene	14.324	228	366675	19.524	ng	97
87) Indeno(1,2,3-cd)pyrene	17.559	276	174982	11.511	ng	# 94
88) Benzo(b)fluoranthene	15.418	252	426586m	30.209	ng	
89) Benzo(k)fluoranthene	15.442	252	129105m	8.860	ng	
90) Benzo(a)pyrene	15.824	252	338954	25.433	ng	98
91) Dibenzo(a,h)anthracene	17.571	278	39609	3.187	ng	# 74
92) Benzo(g,h,i)perylene	18.065	276	185225	14.617	ng	98

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

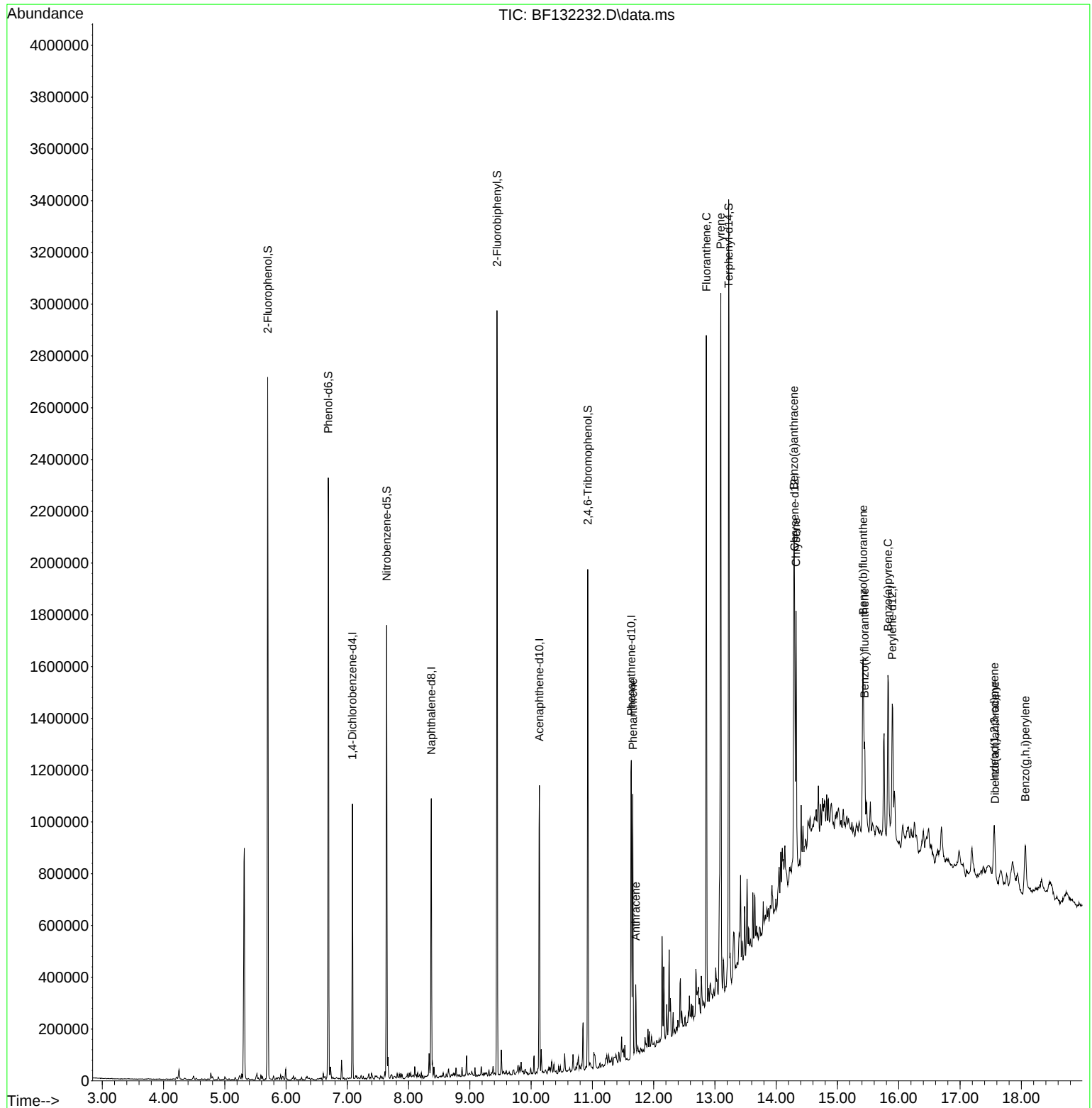
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132232.D
Acq On : 31 Jan 2023 02:44
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Misc :
ALS Vial : 22 Sample Multiplier: 1

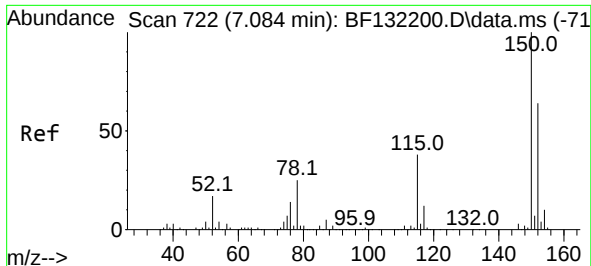
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BNA_F
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RJ-1-012523

Quant Time: Jan 31 03:10:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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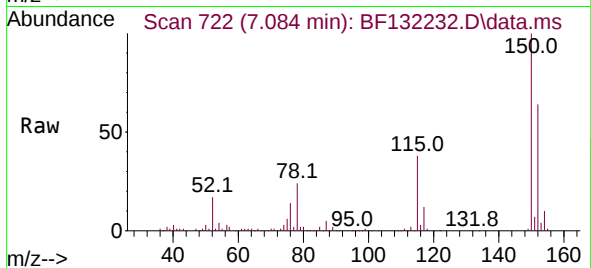
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.084 min Scan# 721
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

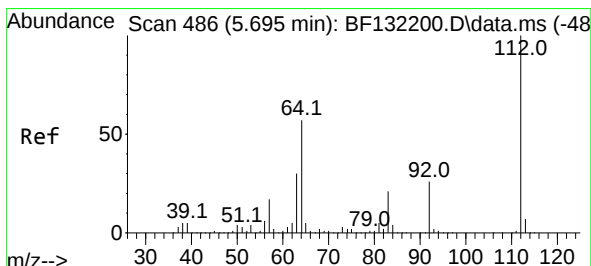
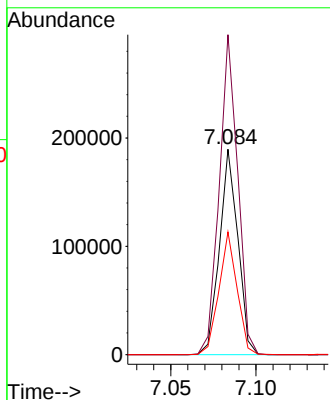
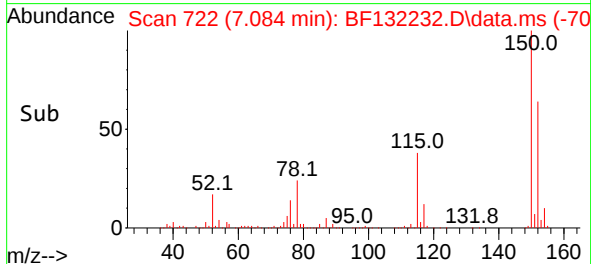
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523



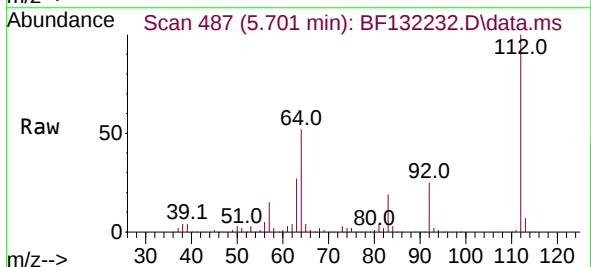
Tgt Ion:152 Resp: 142176
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 59.7 47.0 70.6

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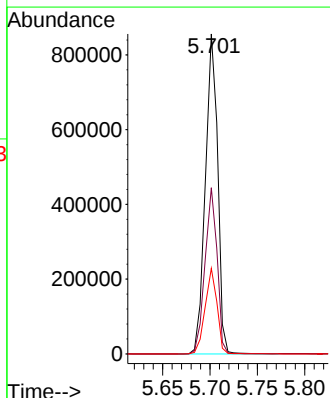
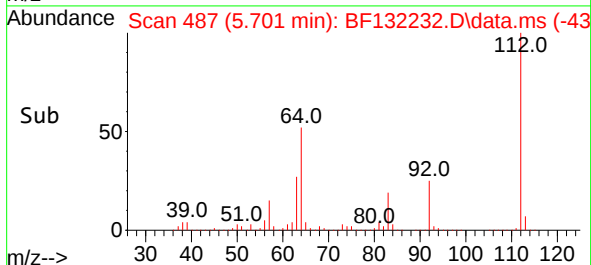
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

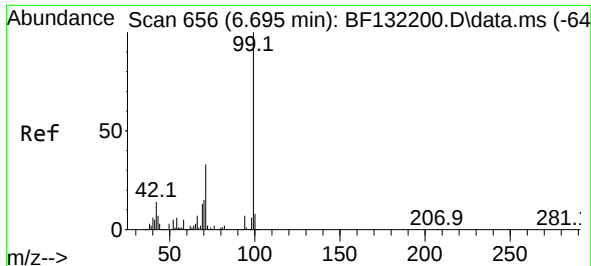


#5
2-Fluorophenol
Concen: 90.926 ng
RT: 5.701 min Scan# 487
Delta R.T. 0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44



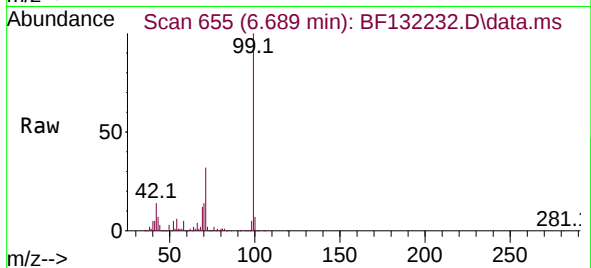
Tgt Ion:112 Resp: 776942
Ion Ratio Lower Upper
112 100
64 51.9 45.5 68.3
63 26.7 23.7 35.5





#7
Phenol-d6
Concen: 83.565 ng
RT: 6.689 min Scan# 60
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

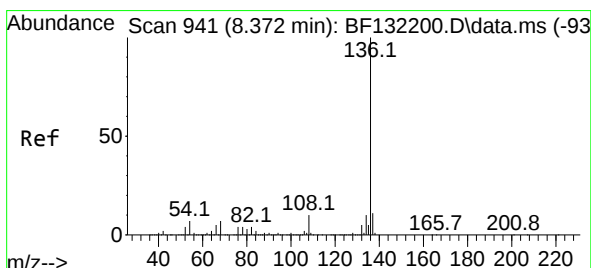
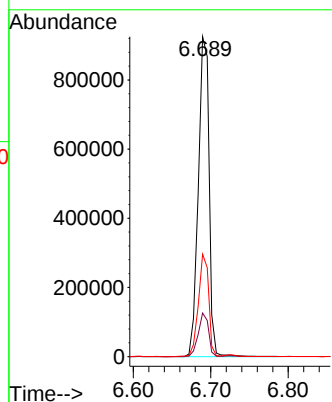
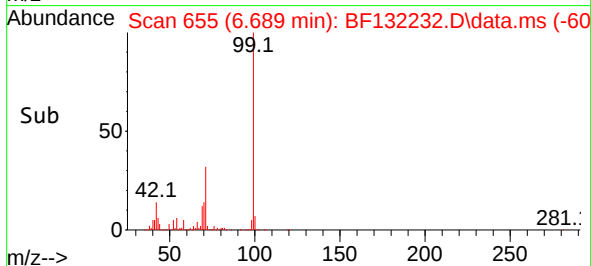
Instrument :
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ClientSampleId :
RJ-1-012523



Tgt Ion: 99 Resp: 895319
Ion Ratio Lower Upper
99 100
42 13.6 11.3 16.9
71 32.0 26.3 39.5

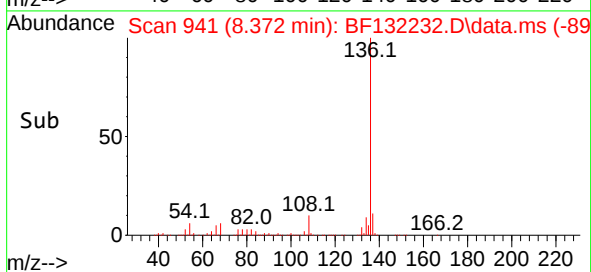
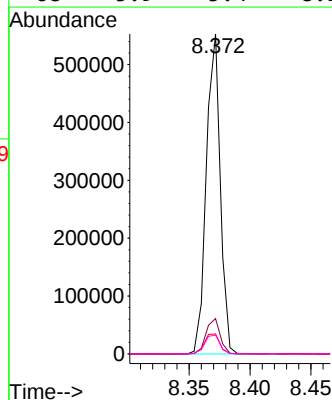
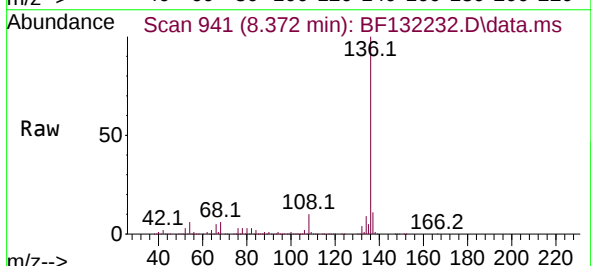
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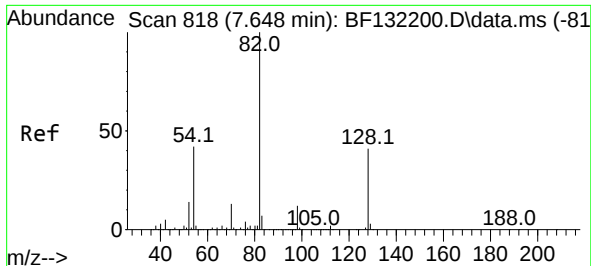
Reviewed By :Christian Giraldo 01/31/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.372 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

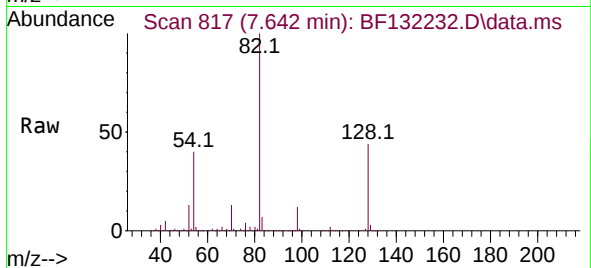
Tgt Ion:136 Resp: 441715
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.2 5.4 8.2
68 5.9 5.4 8.2





#23
Nitrobenzene-d5
Concen: 59.053 ng
RT: 7.642 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

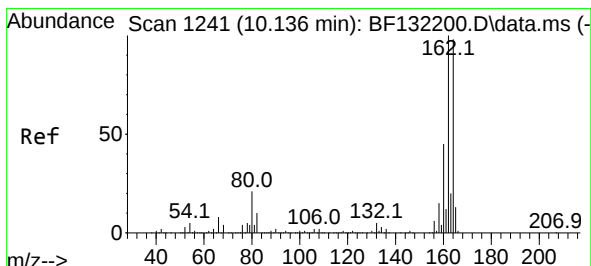
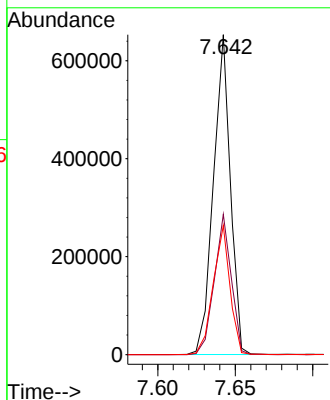
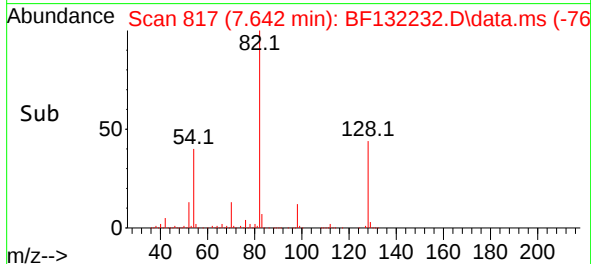
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523



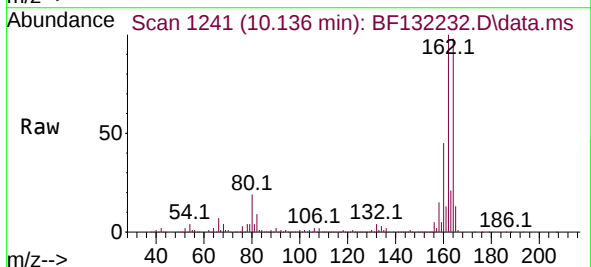
Tgt Ion: 82 Resp: 498246
Ion Ratio Lower Upper
82 100
128 43.8 32.7 49.1
54 40.3 33.3 49.9

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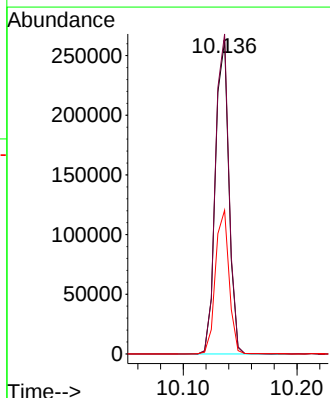
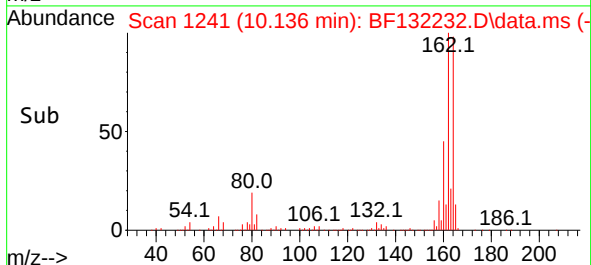
Reviewed By :Christian Giraldo 01/31/2023
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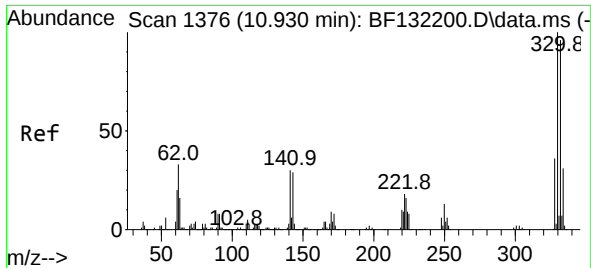


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.136 min Scan# 1241
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44



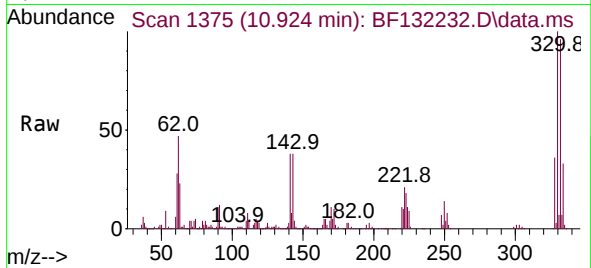
Tgt Ion:164 Resp: 217066
Ion Ratio Lower Upper
164 100
162 102.2 81.5 122.3
160 45.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 102.108 ng
RT: 10.924 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

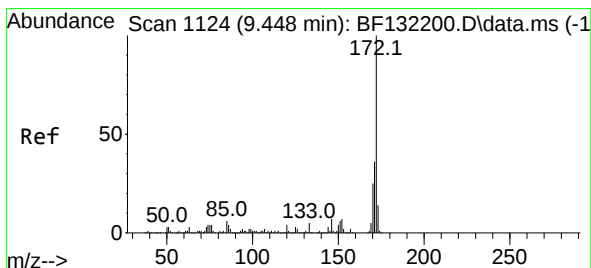
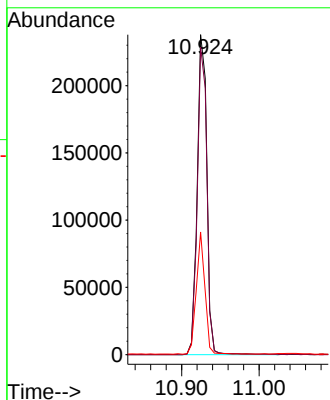
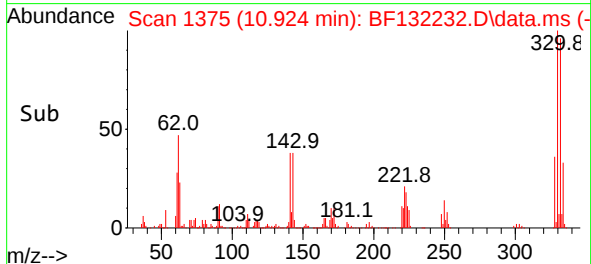
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523



Tgt Ion: 330 Resp: 205237
Ion Ratio Lower Upper
330 100
332 96.0 75.7 113.5
141 34.3 30.7 46.1

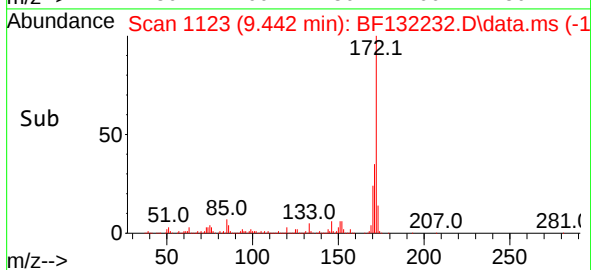
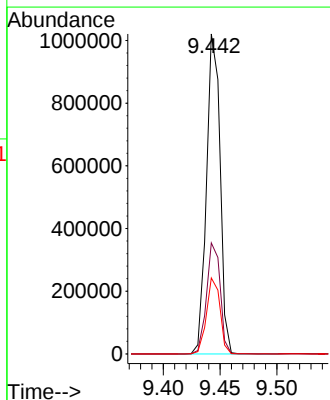
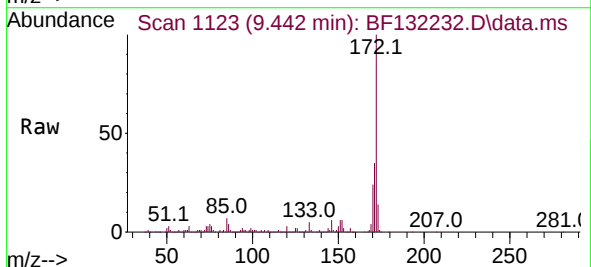
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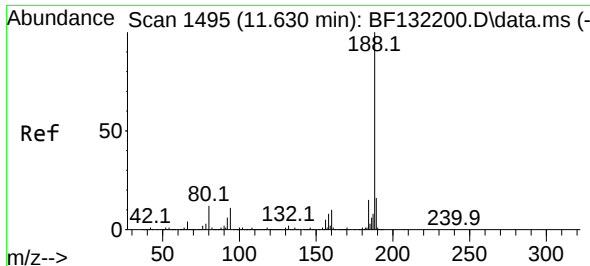
Reviewed By : Christian Giraldo 01/31/2023
Supervised By : Jagrut Upadhyay 01/31/2023



#45
2-Fluorobiphenyl
Concen: 57.797 ng
RT: 9.442 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion: 172 Resp: 852611
Ion Ratio Lower Upper
172 100
171 34.7 29.0 43.6
170 23.7 20.2 30.4





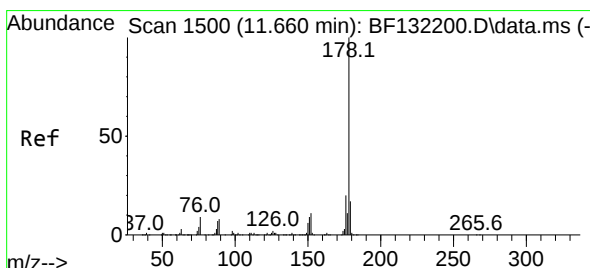
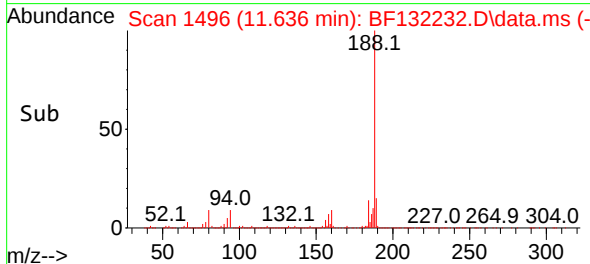
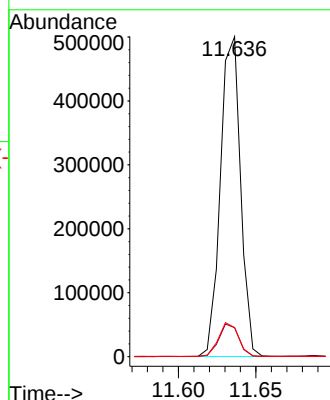
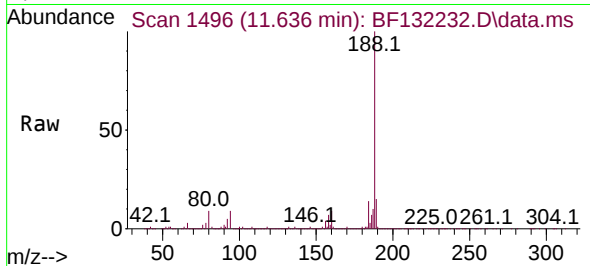
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.636 min Scan# 1495
Delta R.T. 0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Instrument :
BNA_F
ClientSampleId :
RJ-1-012523

Tgt Ion:188 Resp: 452922
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.1 9.2 13.8

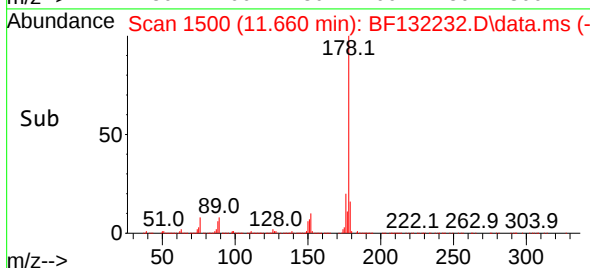
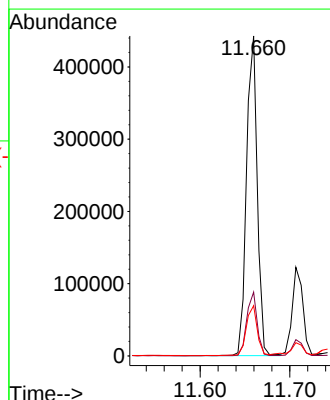
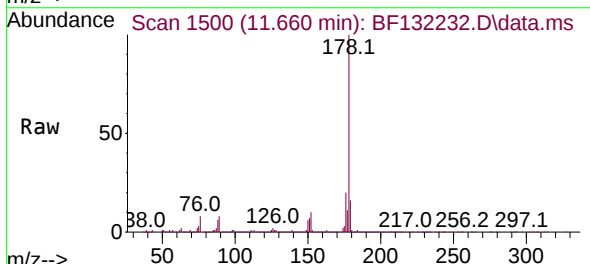
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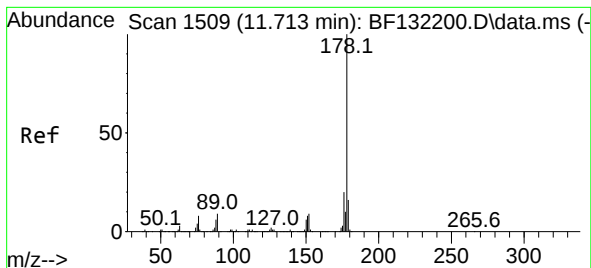
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#71
Phenanthrene
Concen: 15.973 ng
RT: 11.660 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:178 Resp: 368034
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 15.7 13.3 19.9





#72

Anthracene

Concen: 4.199 ng

RT: 11.707 min Scan# 1509

Delta R.T. -0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

Tgt Ion:178 Resp: 98526

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

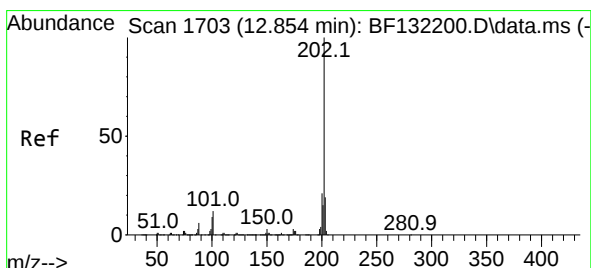
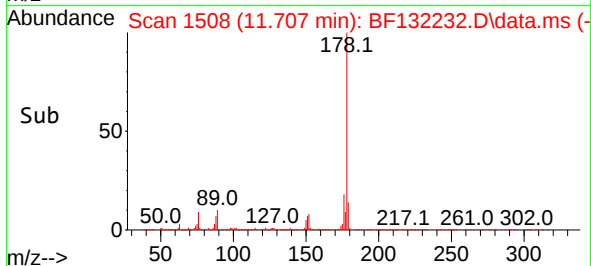
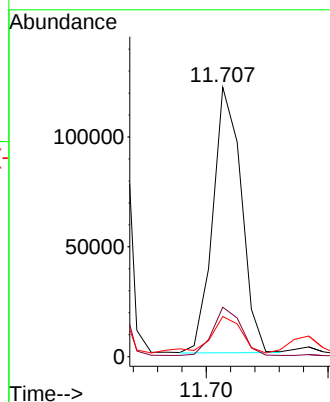
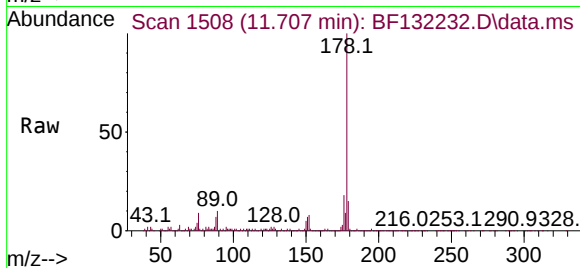
179 14.9 13.0 19.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/31/2023



#75

Fluoranthene

Concen: 40.701 ng

RT: 12.860 min Scan# 1704

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

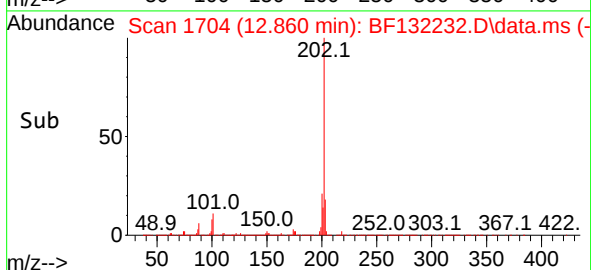
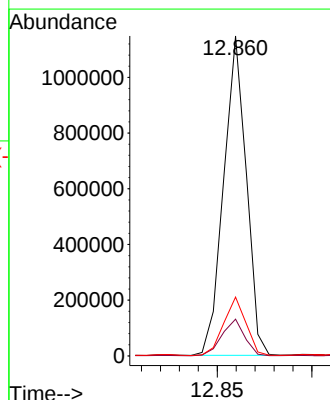
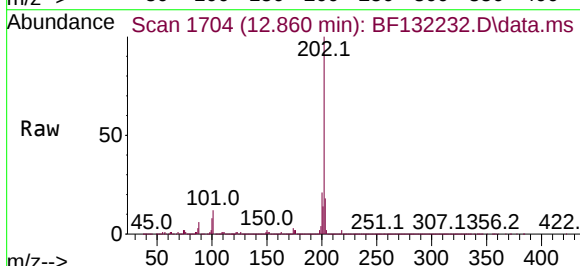
Tgt Ion:202 Resp: 954200

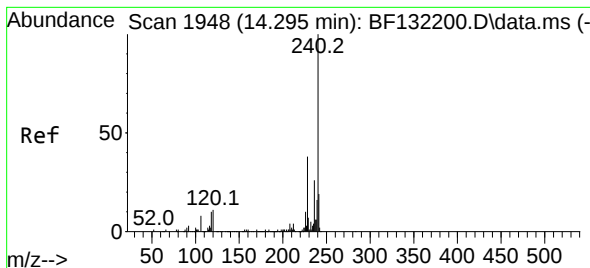
Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.5

203 18.4 0.0 38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.301 min Scan# 1949

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

Tgt Ion:240 Resp: 286631

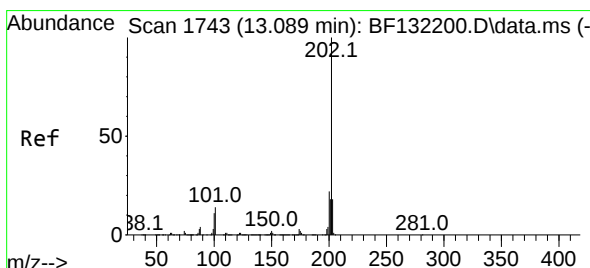
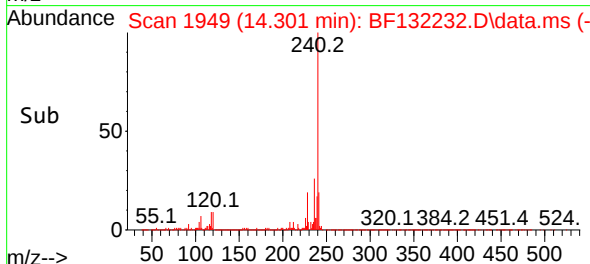
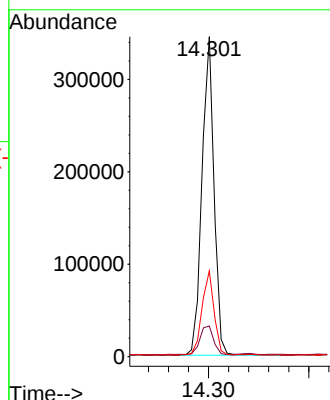
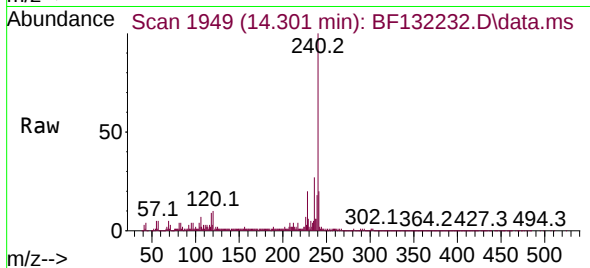
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.0	13.4
236	26.8	20.8	31.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/31/2023



#78

Pyrene

Concen: 41.665 ng

RT: 13.095 min Scan# 1744

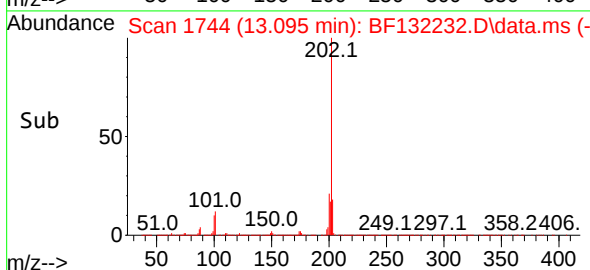
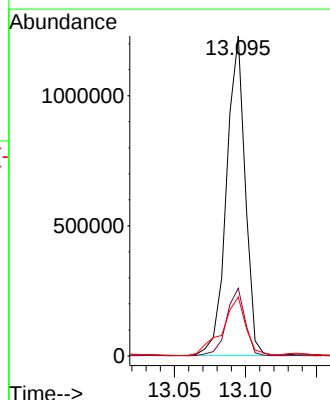
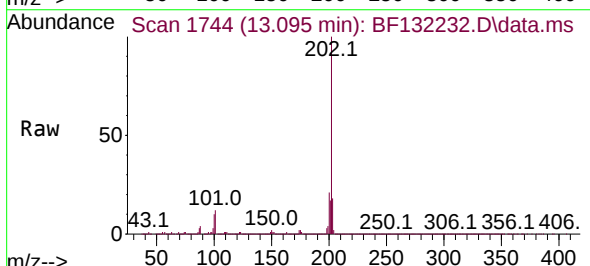
Delta R.T. 0.006 min

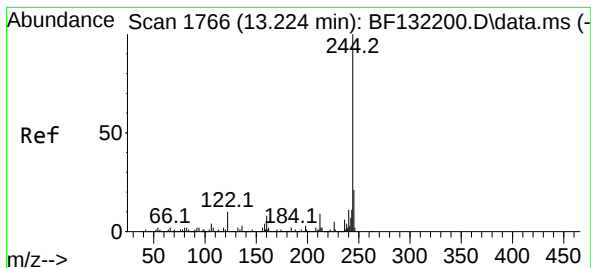
Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Tgt Ion:202 Resp: 1118964

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.4	14.7	22.1





#79

Terphenyl-d14

Concen: 57.344 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

Tgt Ion:244 Resp: 1046162

Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

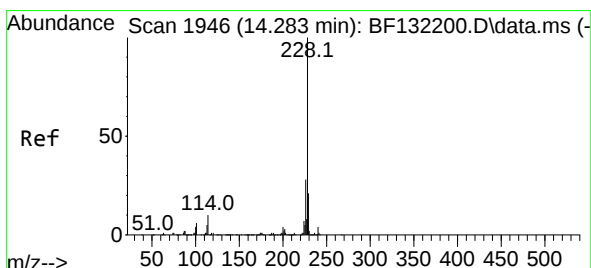
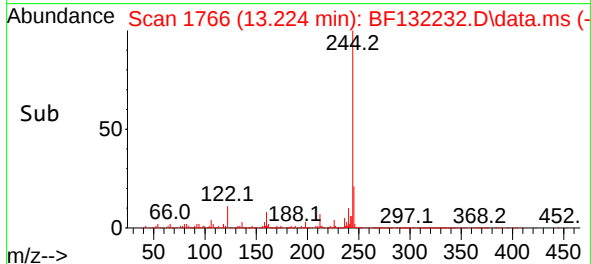
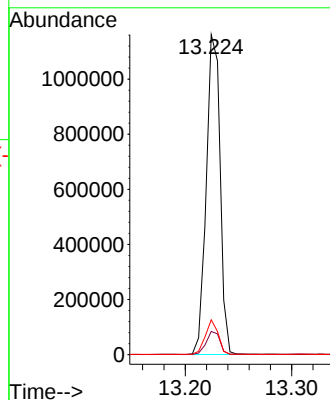
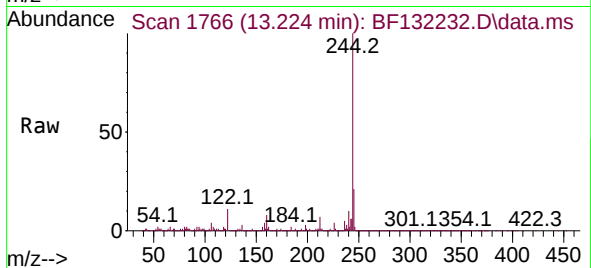
122 10.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#81

Benzo(a)anthracene

Concen: 22.607 ng

RT: 14.289 min Scan# 1947

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

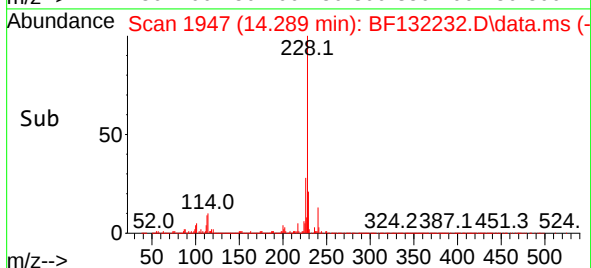
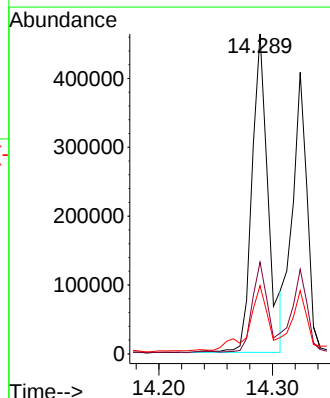
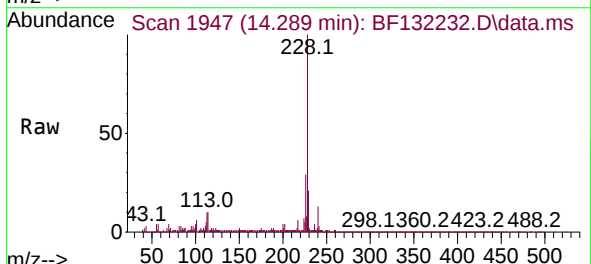
Tgt Ion:228 Resp: 455603

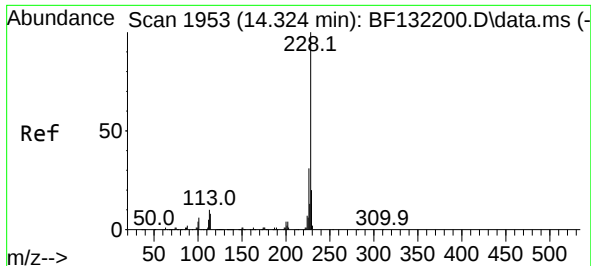
Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

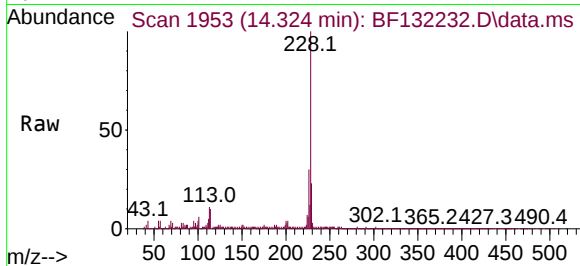
229 21.3 16.5 24.7





#83
Chrysene
Concen: 19.524 ng
RT: 14.324 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

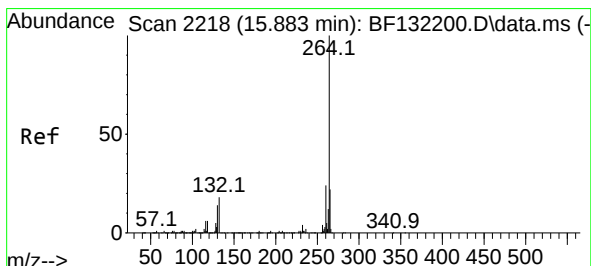
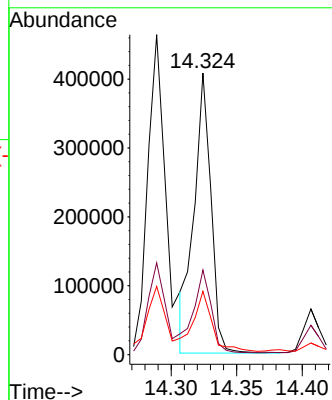
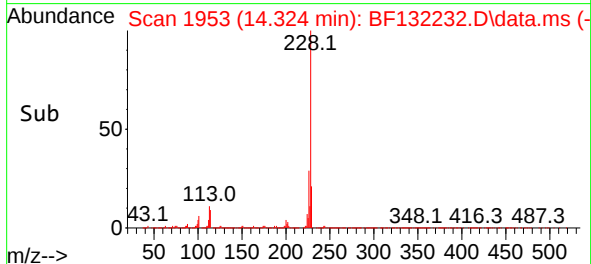
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523



Tgt Ion:228 Resp: 366675
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 22.5 16.2 24.4

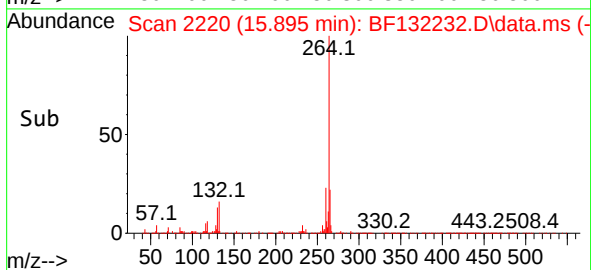
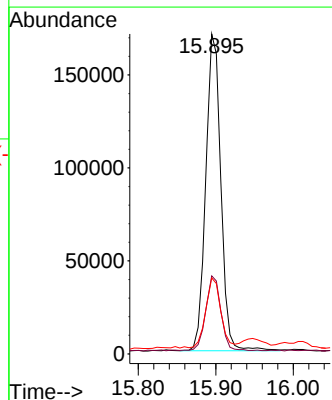
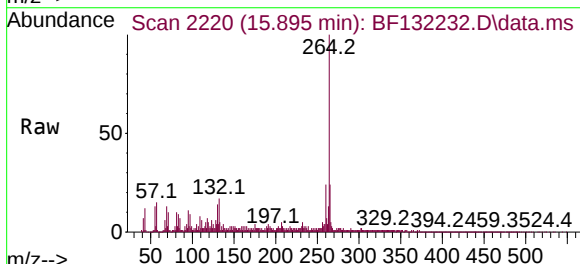
Manual Integrations
APPROVED

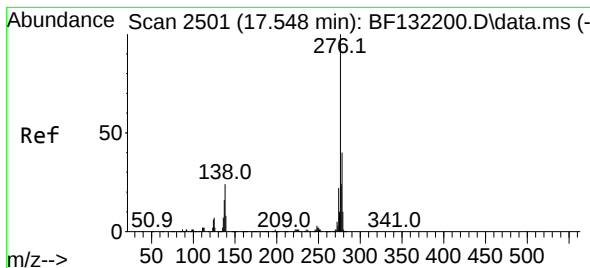
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.895 min Scan# 2220
Delta R.T. 0.012 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:264 Resp: 229923
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 23.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.511 ng

RT: 17.559 min Scan# 2501

Delta R.T. 0.012 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

Tgt Ion:276 Resp: 174982

Ion Ratio Lower Upper

276 100

138 20.6 21.0 31.6

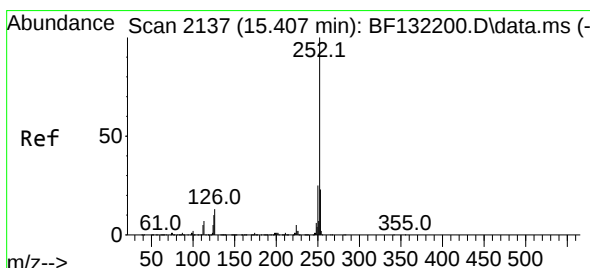
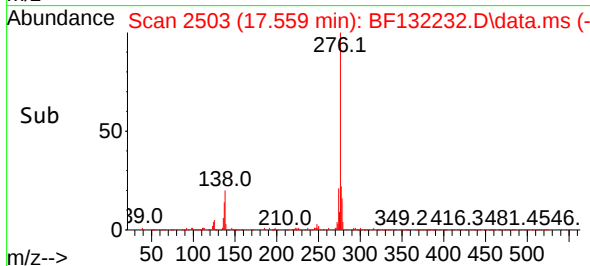
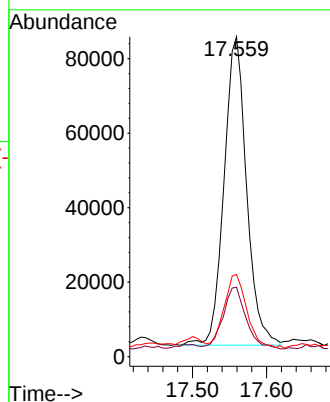
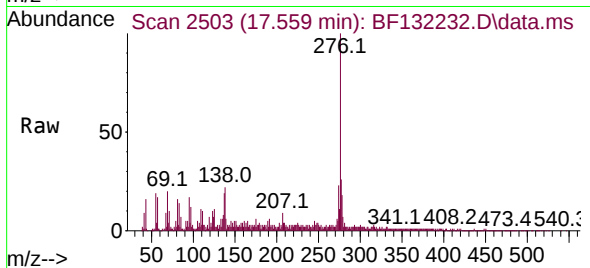
277 24.9 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#88

Benzo(b)fluoranthene

Concen: 30.209 ng m

RT: 15.418 min Scan# 2139

Delta R.T. 0.012 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

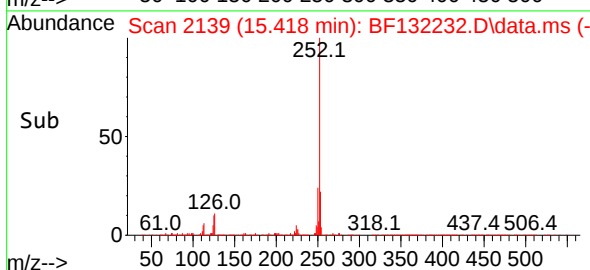
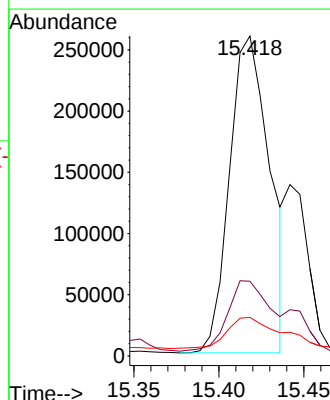
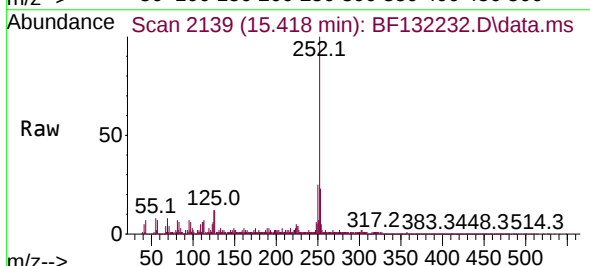
Tgt Ion:252 Resp: 426586

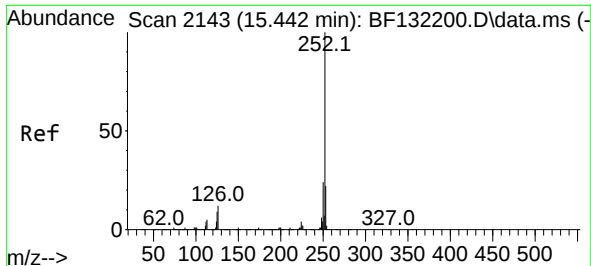
Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

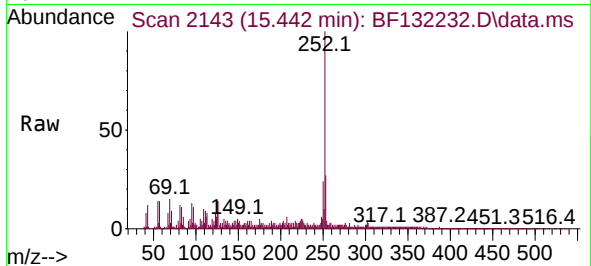
125 12.0 8.2 12.4





#89
Benzo(k)fluoranthene
Concen: 8.860 ng m
RT: 15.442 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

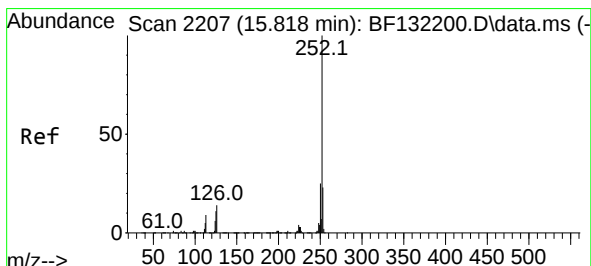
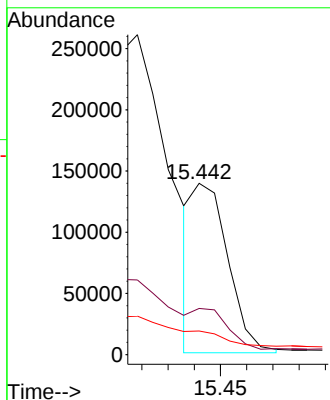
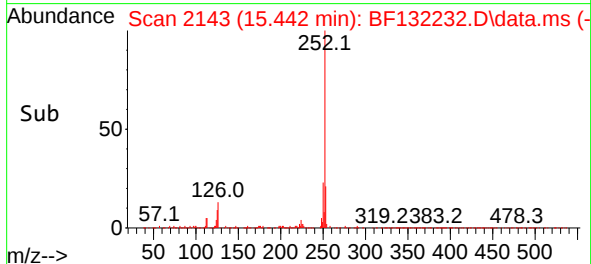
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523



Tgt Ion:252 Resp: 129105
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.6
125 13.8 7.7 11.5

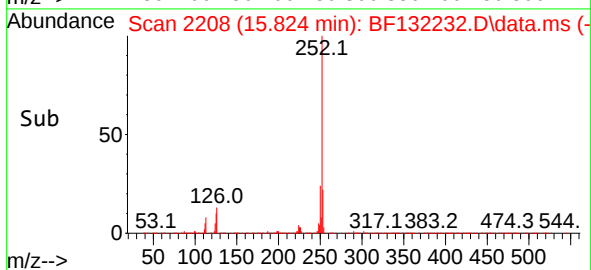
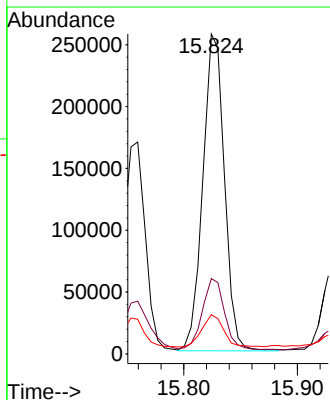
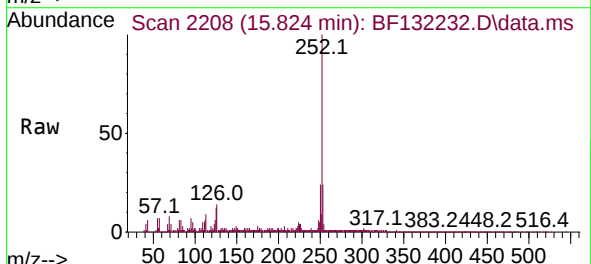
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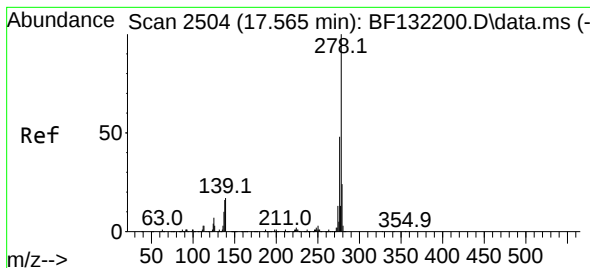
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#90
Benzo(a)pyrene
Concen: 25.433 ng
RT: 15.824 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:252 Resp: 338954
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 12.2 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.187 ng

RT: 17.571 min Scan# 2504

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

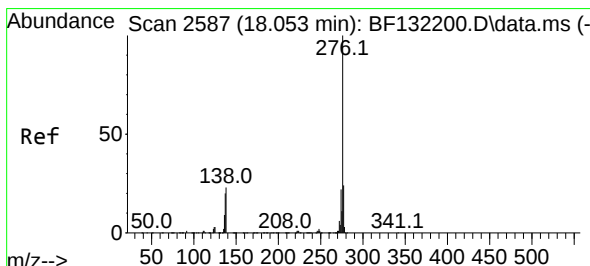
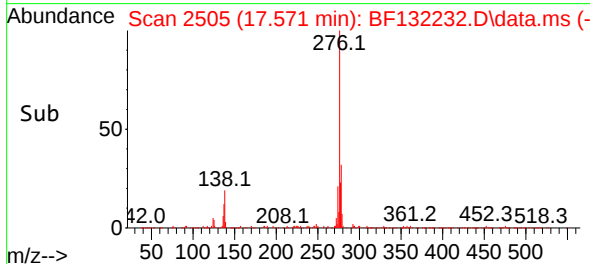
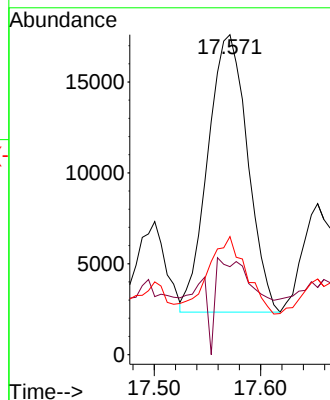
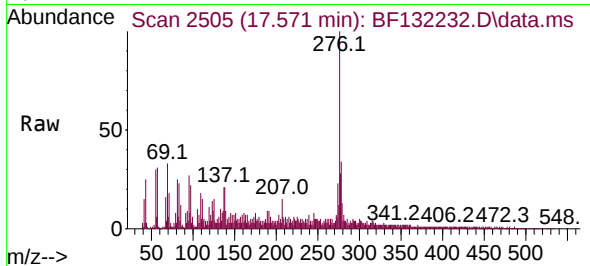
Tgt Ion:	278	Resp:	39609
Ion Ratio	Lower	Upper	
278	100		
139	27.5	13.2	19.8
279	36.9	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#92

Benzo(g,h,i)perylene

Concen: 14.617 ng

RT: 18.065 min Scan# 2589

Delta R.T. 0.012 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Tgt Ion:	276	Resp:	185225
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.1	28.7
138	23.0	18.3	27.5

