

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
 Data File : BF132809.D
 Acq On : 15 Mar 2023 18:21
 Operator : CG\JU
 Sample : 01919-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-03142023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/16/2023
 Supervised By : Jagrut Upadhyay 03/16/2023

Quant Time: Mar 16 05:46:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	189794	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	733544	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	320065	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	349056	20.000	ng	0.00
76) Chrysene-d12	14.157	240	253314	20.000	ng	0.00
86) Perylene-d12	15.692	264	199616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1049168	89.717	ng	0.00
7) Phenol-d6	6.598	99	1267997	83.082	ng	0.00
23) Nitrobenzene-d5	7.528	82	779463	50.414	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	227637	65.856	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1151782	54.794	ng	0.00
79) Terphenyl-d14	13.086	244	706037	47.124	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.522	178	207315	11.465	ng	97
72) Anthracene	11.575	178	48431m	2.601	ng	
75) Fluoranthene	12.722	202	274778	13.900	ng	96
78) Pyrene	12.951	202	298537	12.963	ng	99
81) Benzo(a)anthracene	14.145	228	131524m	6.939	ng	
83) Chrysene	14.180	228	138717m	7.827	ng	
87) Indeno(1,2,3-cd)pyrene	17.262	276	60730	4.643	ng	96
88) Benzo(b)fluoranthene	15.233	252	107598m	8.043	ng	
89) Benzo(k)fluoranthene	15.257	252	34431m	2.630	ng	
90) Benzo(a)pyrene	15.621	252	81829	6.536	ng	# 93
92) Benzo(g,h,i)perylene	17.745	276	69761	7.212	ng	95

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

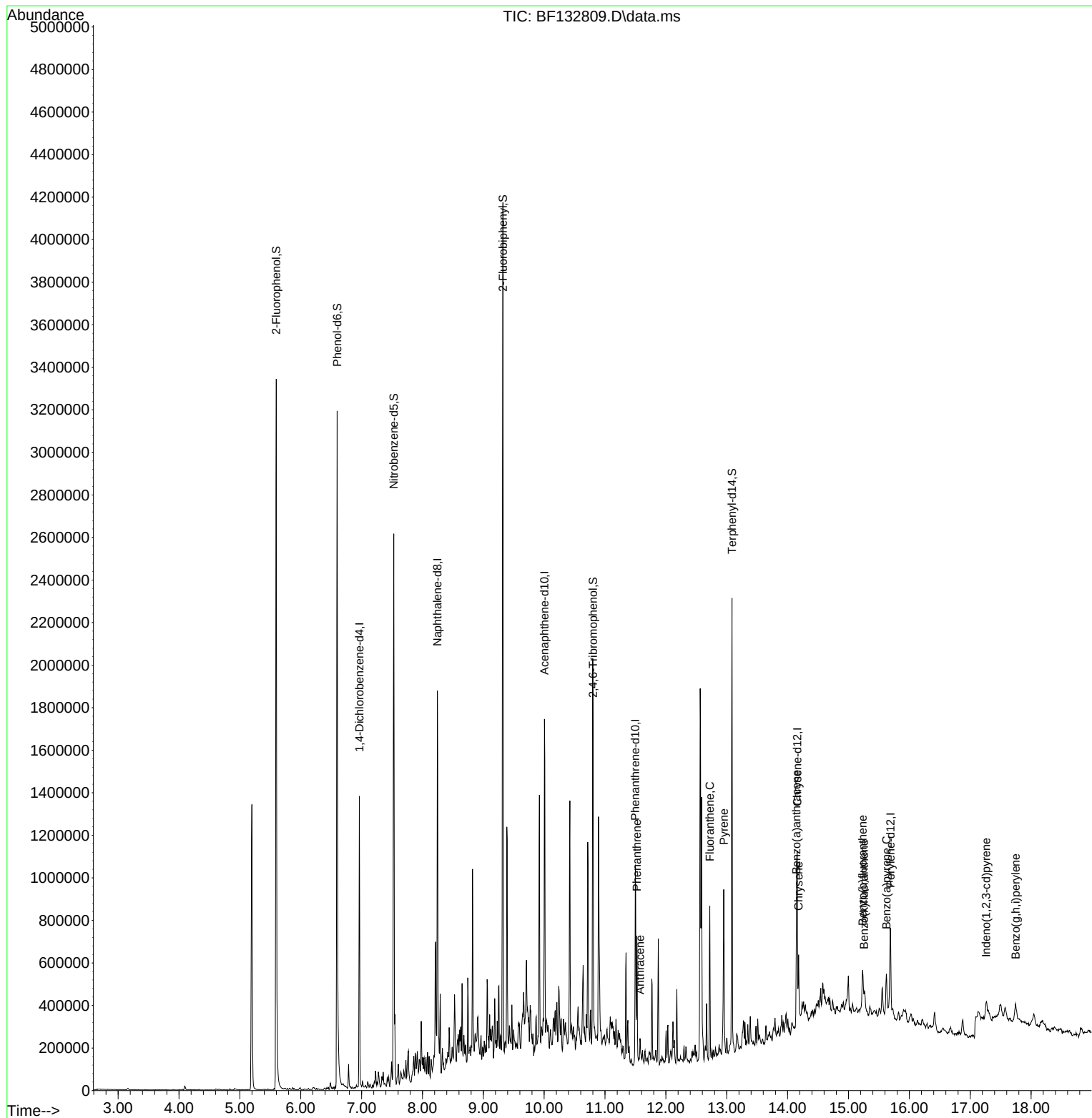
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
Data File : BF132809.D
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Sample : 01919-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

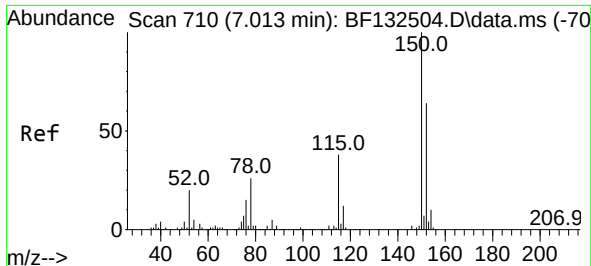
Instrument :
BNA_F
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SU-02-03142023

Quant Time: Mar 16 05:46:57 2023
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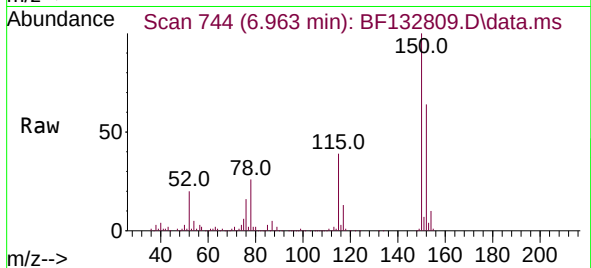
Reviewed By : Christian Giraldo 03/16/2023
Supervised By : Jagrut Upadhyay 03/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

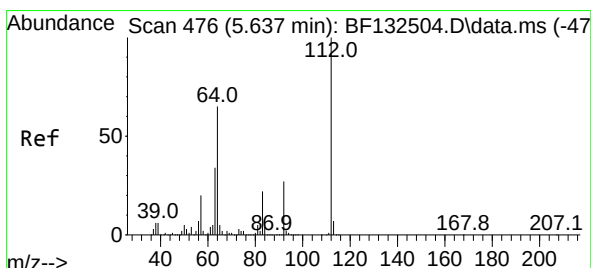
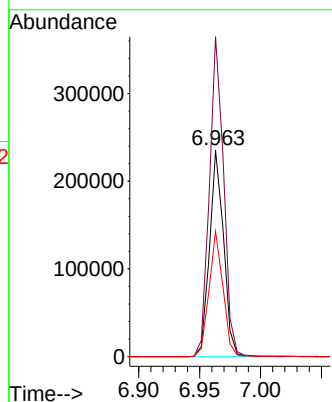
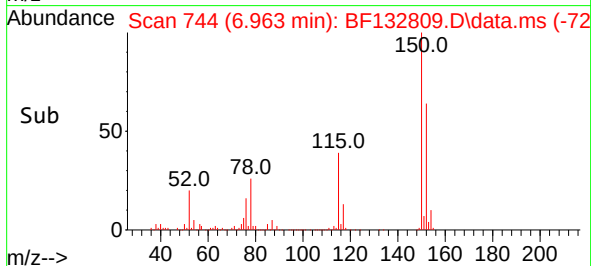
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023



Tgt Ion:152 Resp: 189794
Ion Ratio Lower Upper
152 100
150 155.2 125.4 188.2
115 60.8 47.8 71.6

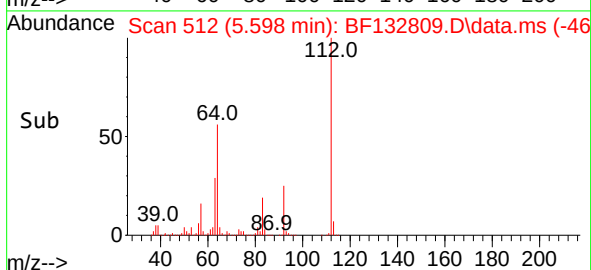
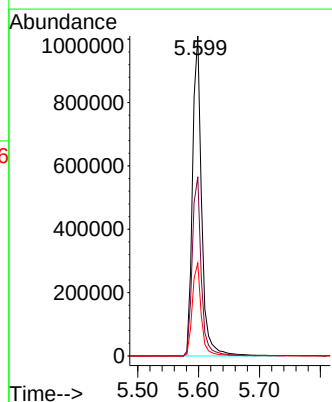
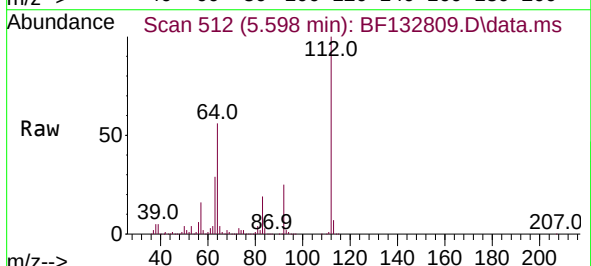
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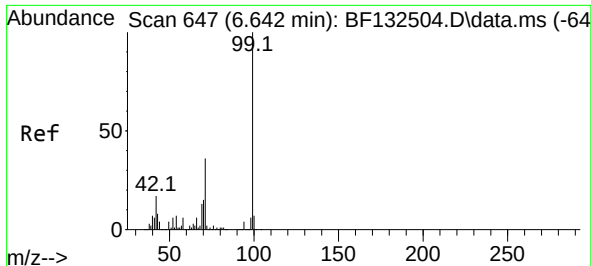
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#5
2-Fluorophenol
Concen: 89.717 ng
RT: 5.598 min Scan# 512
Delta R.T. 0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

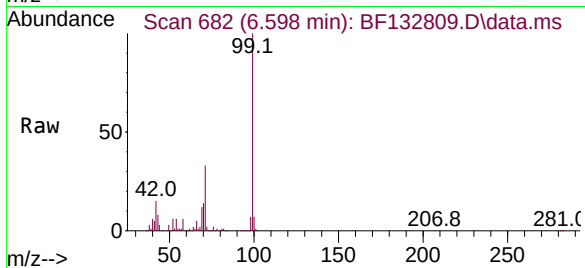
Tgt Ion:112 Resp: 1049168
Ion Ratio Lower Upper
112 100
64 56.0 51.6 77.4
63 29.0 27.4 41.2





#7
Phenol-d6
Concen: 83.082 ng
RT: 6.598 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

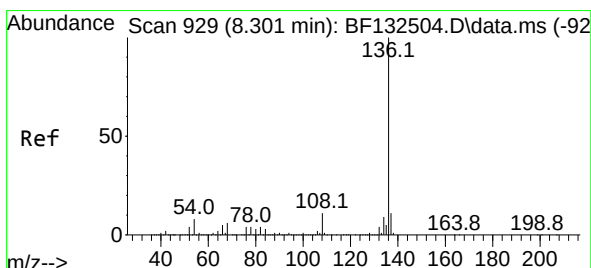
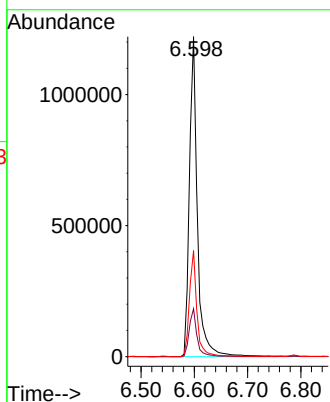
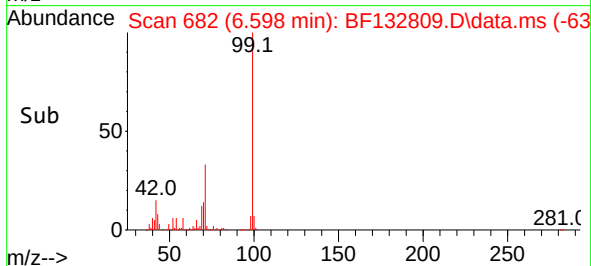
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023



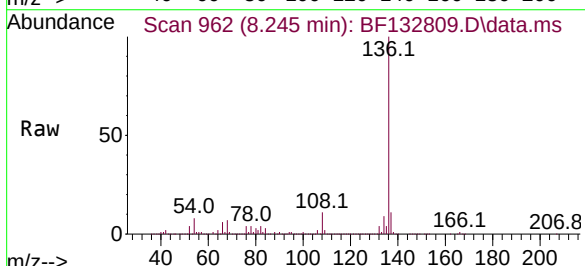
Tgt Ion: 99 Resp: 126799
Ion Ratio Lower Upper
99 100
42 15.0 13.9 20.9
71 33.1 28.5 42.7

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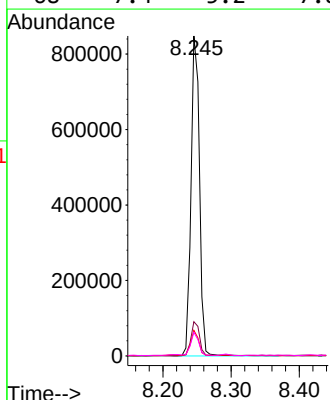
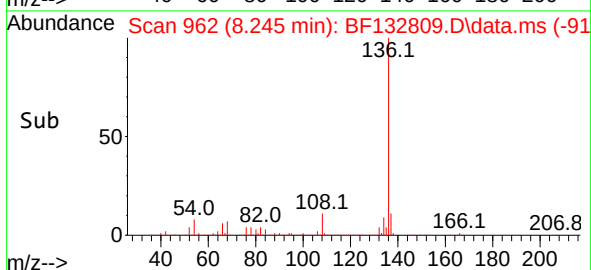
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023

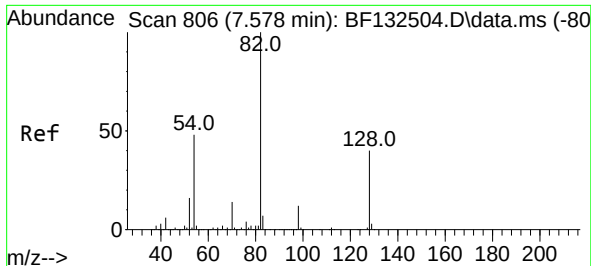


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21



Tgt Ion:136 Resp: 733544
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.0 6.2 9.4
68 7.4 5.2 7.8





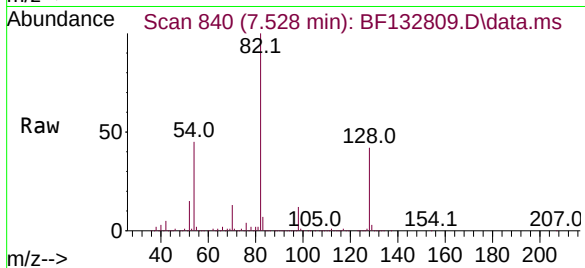
#23
Nitrobenzene-d5
Concen: 50.414 ng
RT: 7.528 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

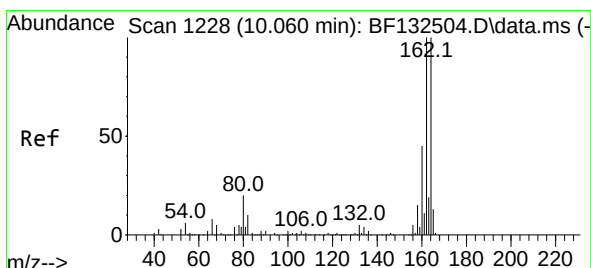
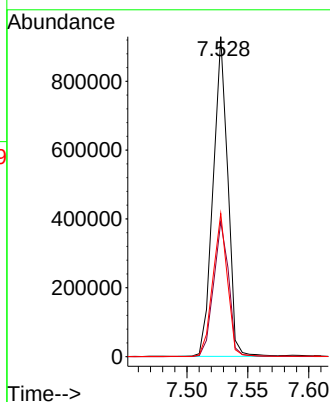
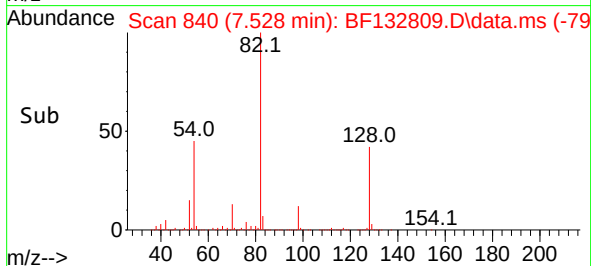


Tgt Ion: 82 Resp: 779463
Ion Ratio Lower Upper
82 100
128 42.2 32.2 48.2
54 44.7 38.4 57.6

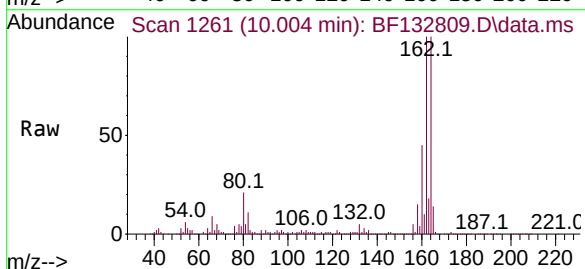
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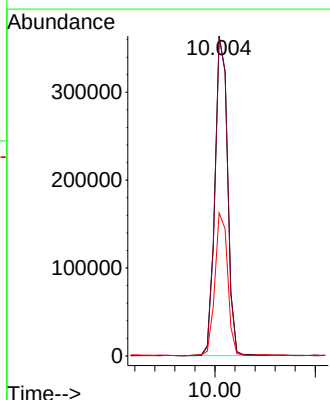
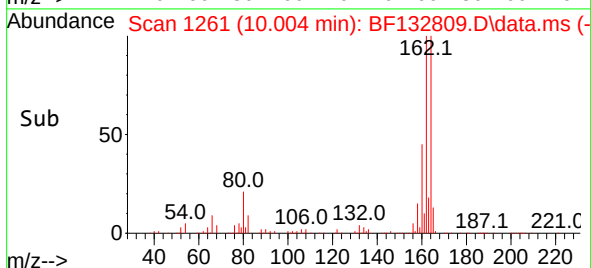
Reviewed By :Christian Giraldo 03/16/2023
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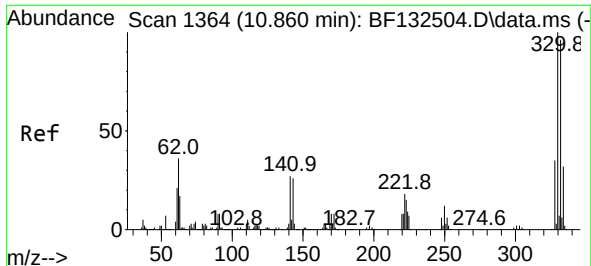


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21



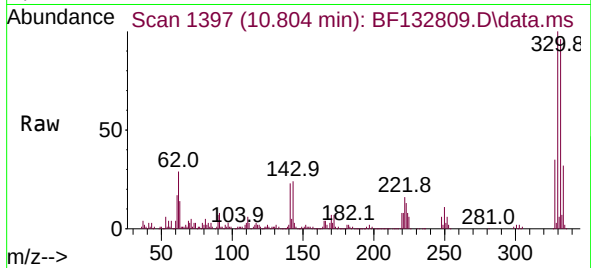
Tgt Ion:164 Resp: 320065
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 44.7 35.8 53.6





#42
 2,4,6-Tribromophenol
 Concen: 65.856 ng
 RT: 10.804 min Scan# 1137
 Delta R.T. -0.006 min
 Lab File: BF132809.D
 Acq: 15 Mar 2023 18:21

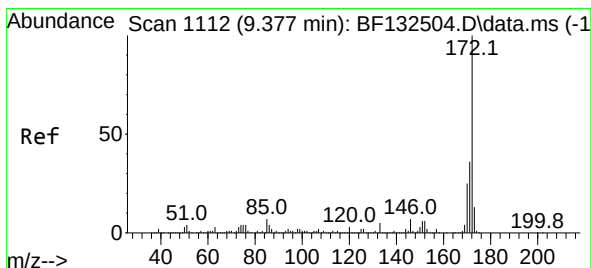
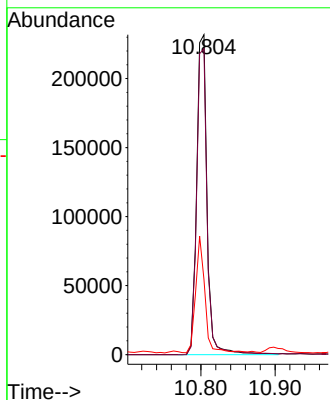
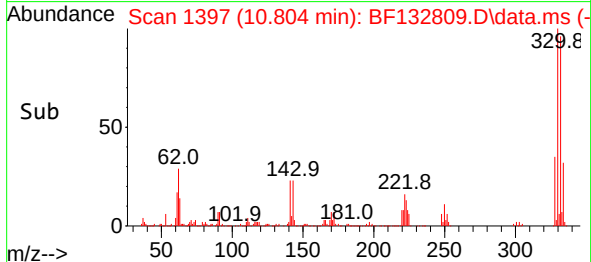
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-03142023



Tgt Ion: 330 Resp: 227637
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 32.6 28.4 42.6

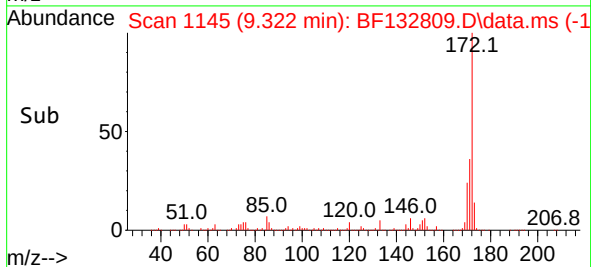
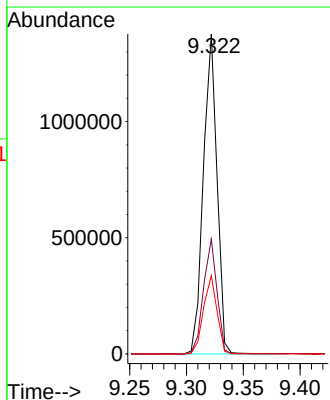
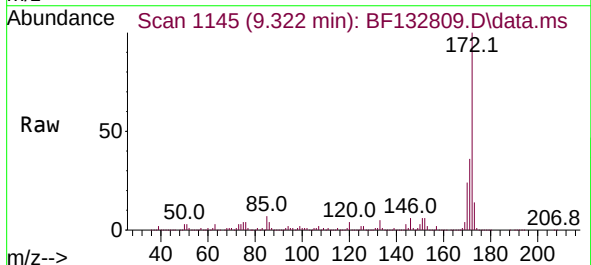
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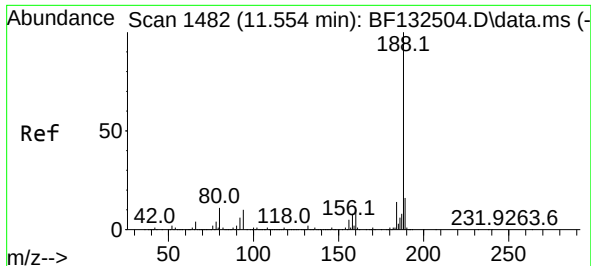
Reviewed By : Christian Giraldo 03/16/2023
 Supervised By : Jagrut Upadhyay 03/16/2023



#45
 2-Fluorobiphenyl
 Concen: 54.794 ng
 RT: 9.322 min Scan# 1145
 Delta R.T. -0.006 min
 Lab File: BF132809.D
 Acq: 15 Mar 2023 18:21

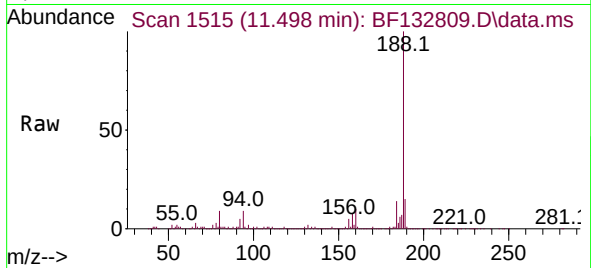
Tgt Ion: 172 Resp: 1151782
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.8 43.2
 170 24.5 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

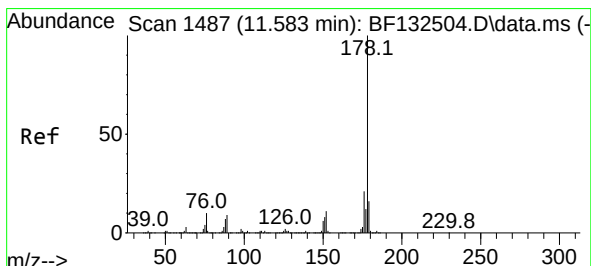
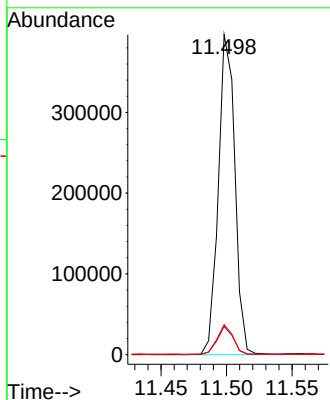
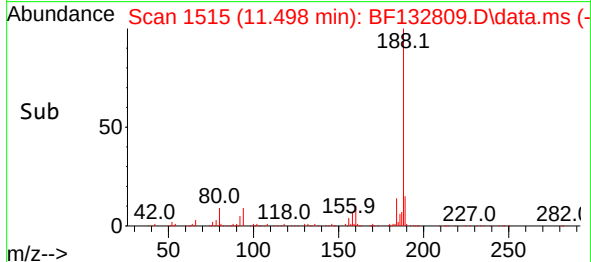
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023



Tgt Ion:188 Resp: 349056
Ion Ratio Lower Upper
188 100
94 8.8 8.3 12.5
80 9.4 8.7 13.1

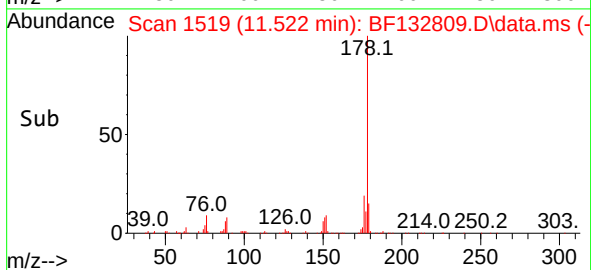
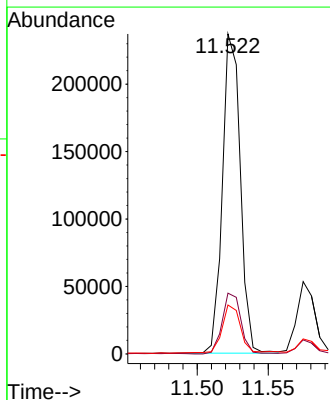
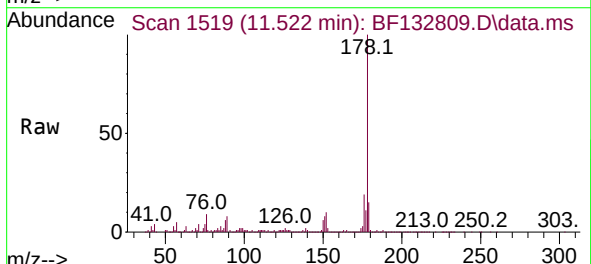
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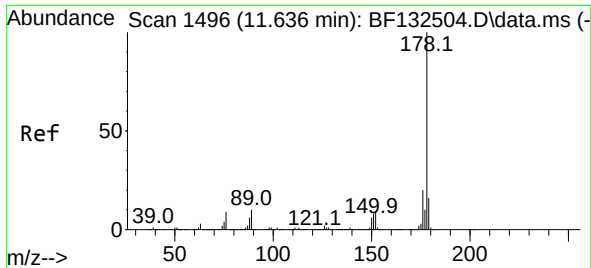
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#71
Phenanthrene
Concen: 11.465 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:178 Resp: 207315
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.3 13.0 19.6





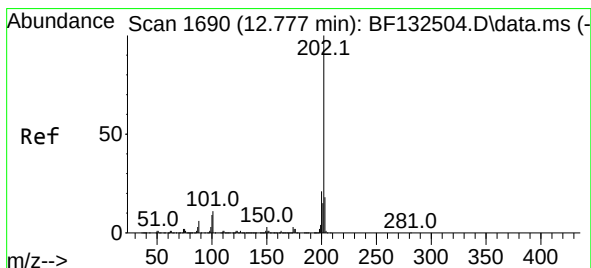
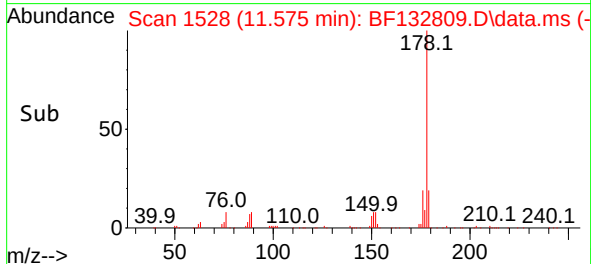
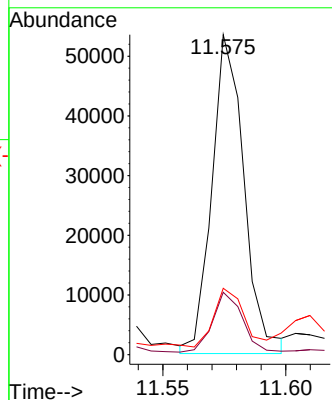
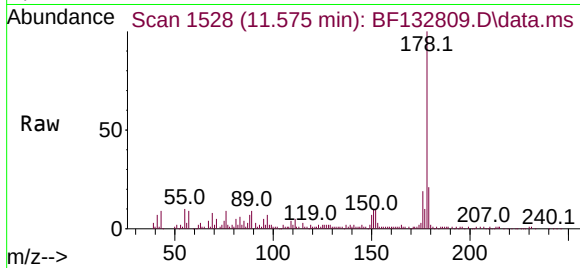
#72
 Anthracene
 Concen: 2.601 ng m
 RT: 11.575 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132809.D
 Acq: 15 Mar 2023 18:21

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-03142023

Tgt Ion:178 Resp: 48431
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 20.7 12.5 18.7

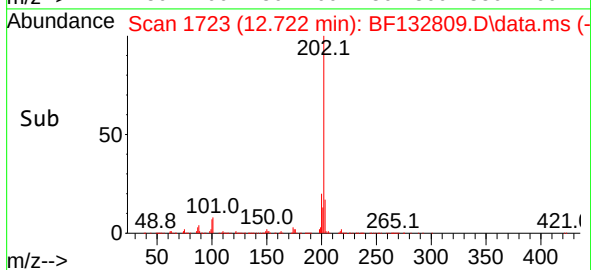
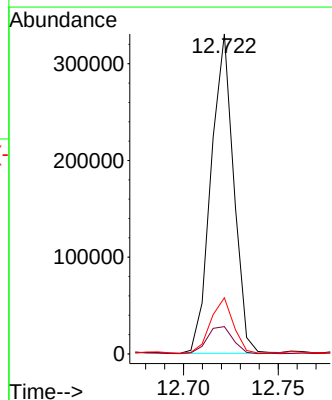
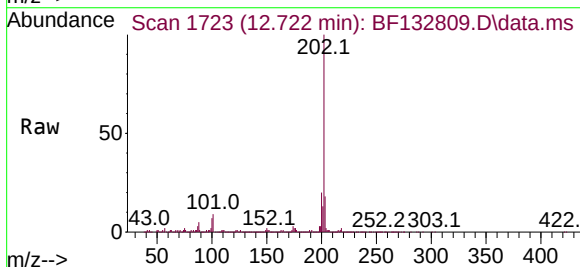
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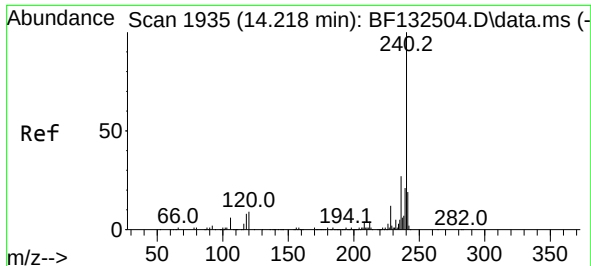
Reviewed By :Christian Giraldo 03/16/2023
 Supervised By :Jagrut Upadhyay 03/16/2023



#75
 Fluoranthene
 Concen: 13.900 ng
 RT: 12.722 min Scan# 1723
 Delta R.T. -0.006 min
 Lab File: BF132809.D
 Acq: 15 Mar 2023 18:21

Tgt Ion:202 Resp: 274778
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 31.4
 203 17.5 0.0 38.0





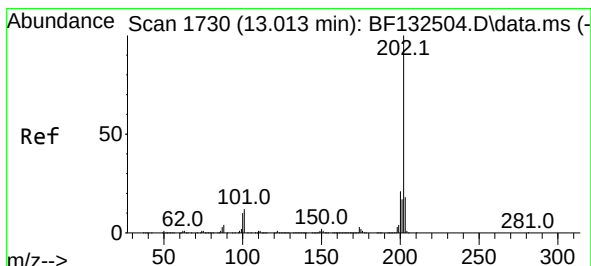
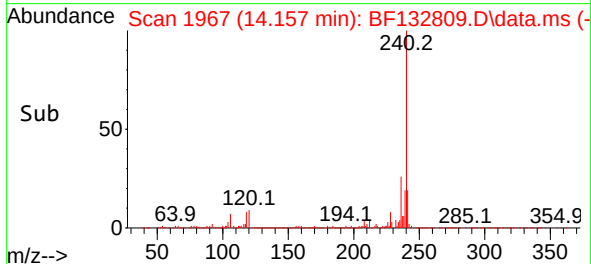
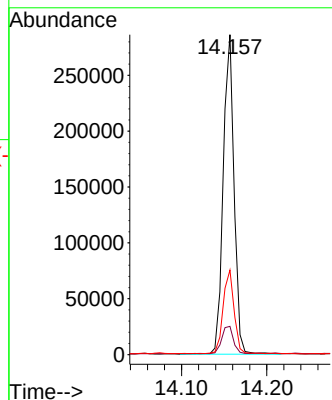
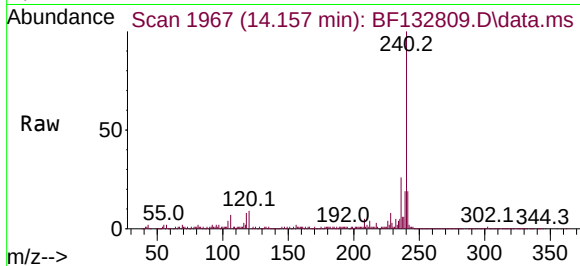
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

Tgt Ion:240 Resp: 253314
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 26.4 21.8 32.6

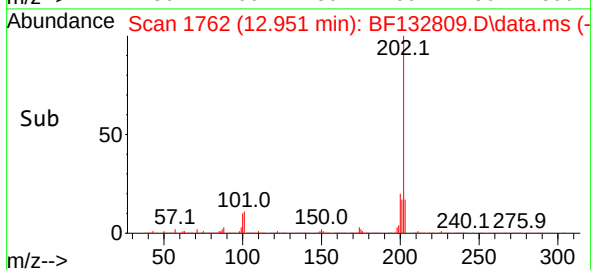
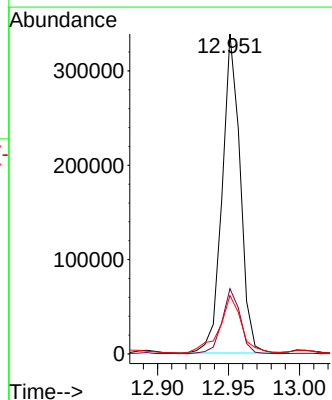
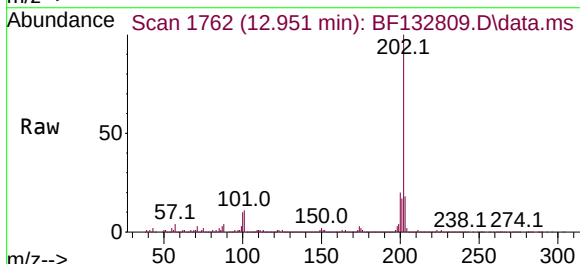
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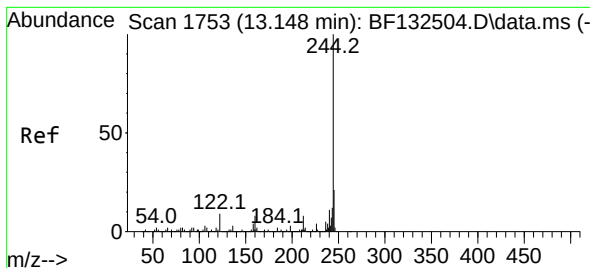
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#78
Pyrene
Concen: 12.963 ng
RT: 12.951 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:202 Resp: 298537
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 47.124 ng

RT: 13.086 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132809.D

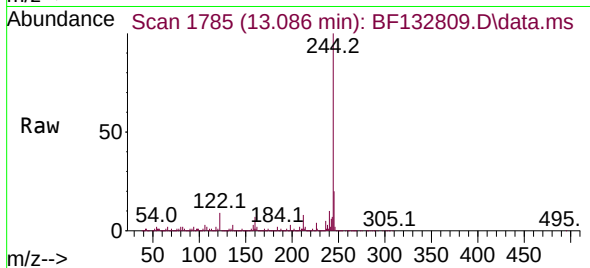
Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023



Tgt Ion:244 Resp: 70603

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

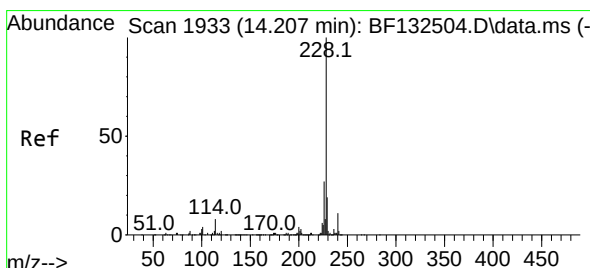
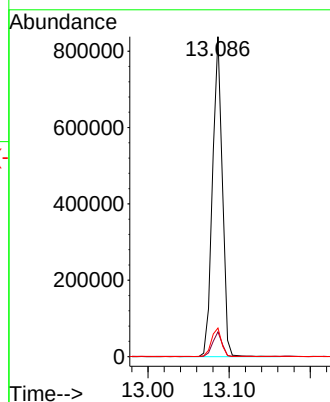
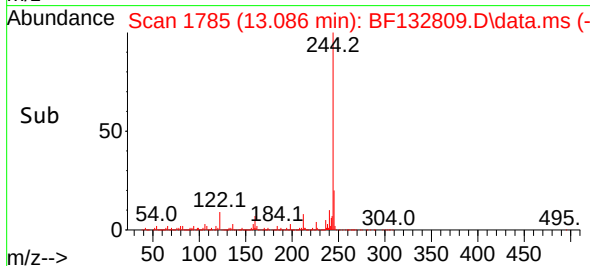
122 8.9 7.5 11.3

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Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#81

Benzo(a)anthracene

Concen: 6.939 ng m

RT: 14.145 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

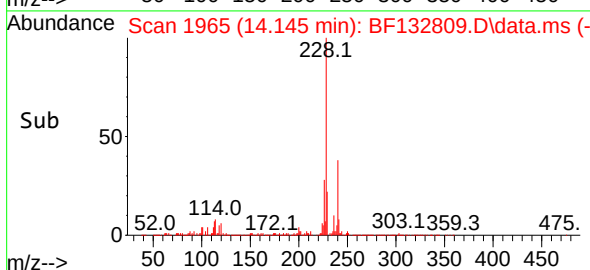
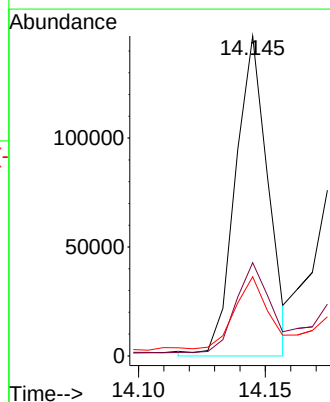
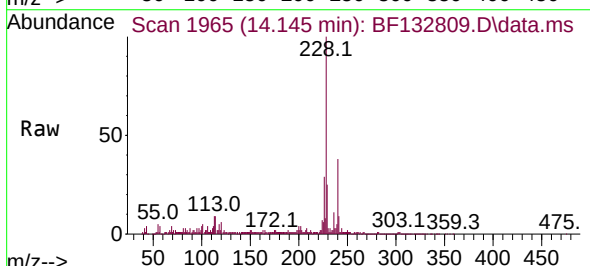
Tgt Ion:228 Resp: 131524

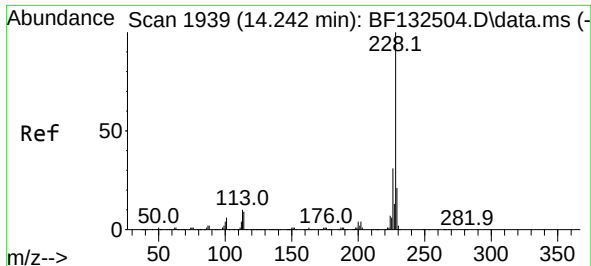
Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

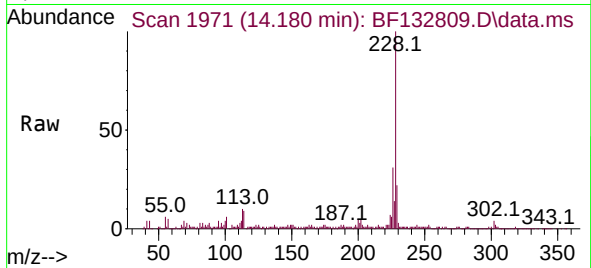
229 24.7 15.4 23.2#





#83
Chrysene
Concen: 7.827 ng m
RT: 14.180 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

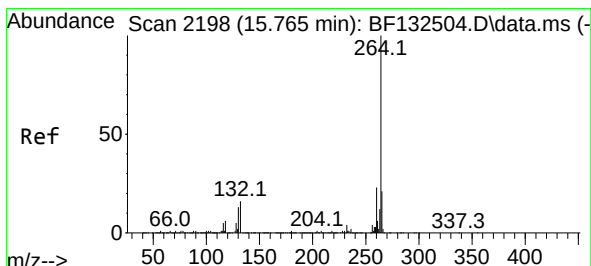
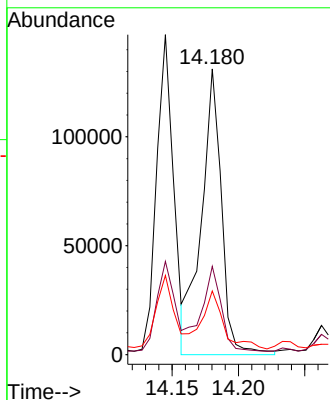
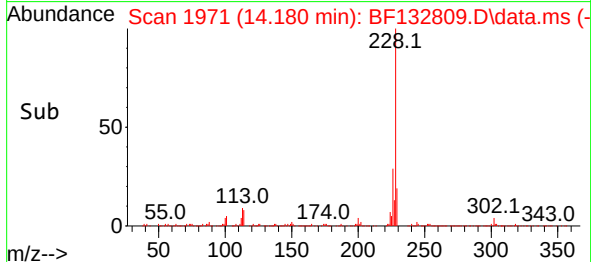
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023



Tgt Ion:228 Resp: 138717
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 22.3 16.4 24.6

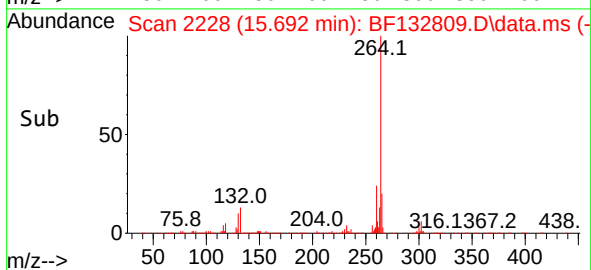
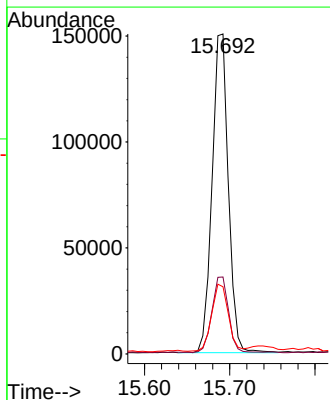
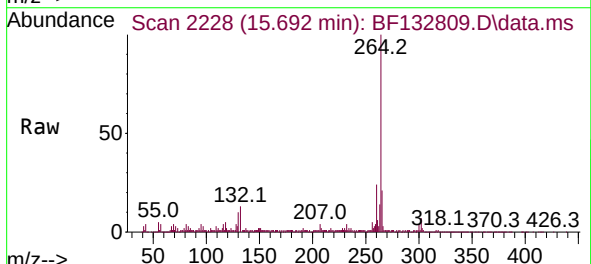
Manual Integrations
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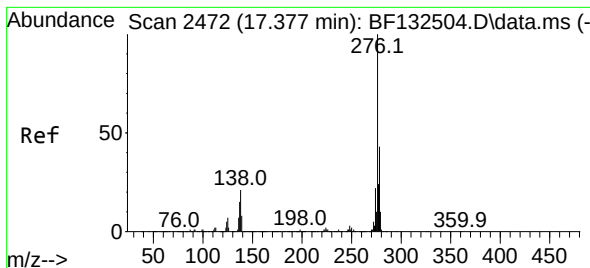
Reviewed By :Christian Giraldo 03/16/2023
Supervised By :Jagrut Upadhyay 03/16/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:264 Resp: 199616
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.643 ng

RT: 17.262 min Scan# 2472

Delta R.T. -0.012 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

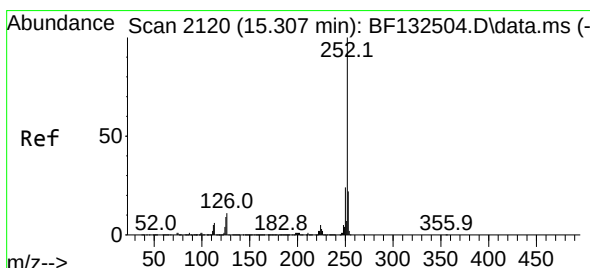
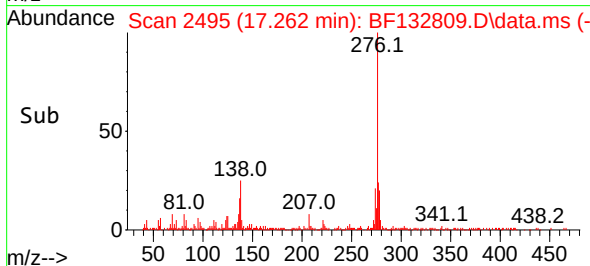
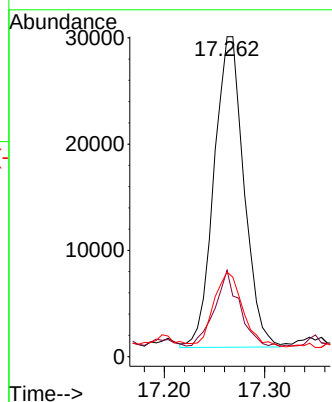
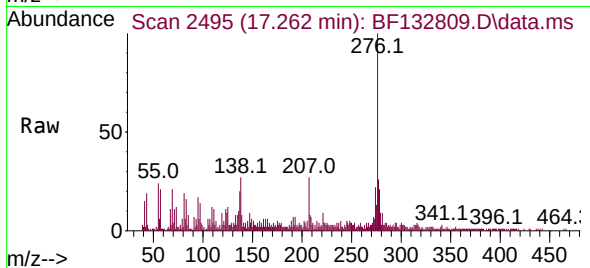
Tgt Ion:	276	Resp:	60730
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.0	28.4
277	23.3	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#88

Benzo(b)fluoranthene

Concen: 8.043 ng m

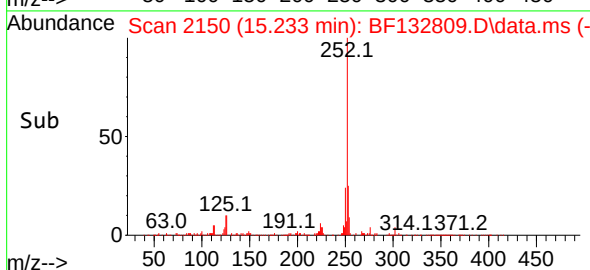
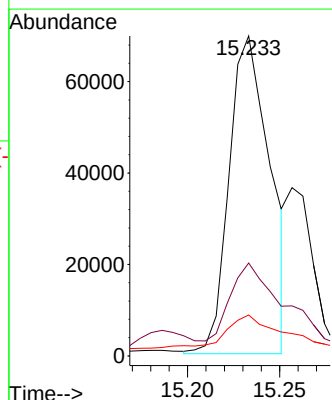
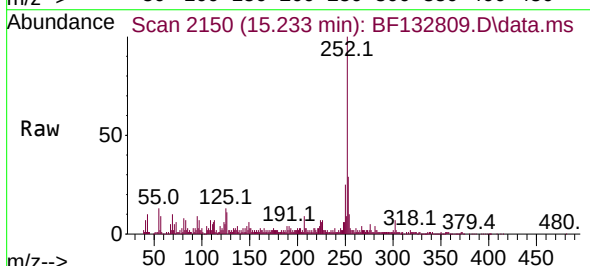
RT: 15.233 min Scan# 2150

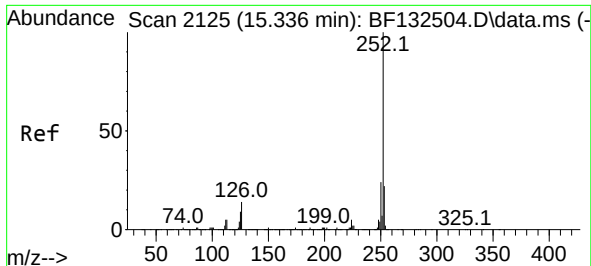
Delta R.T. 0.000 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Tgt Ion:	252	Resp:	107598
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.4	26.0#
125	12.8	7.0	10.6#





#89

Benzo(k)fluoranthene

Concen: 2.630 ng m

RT: 15.257 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

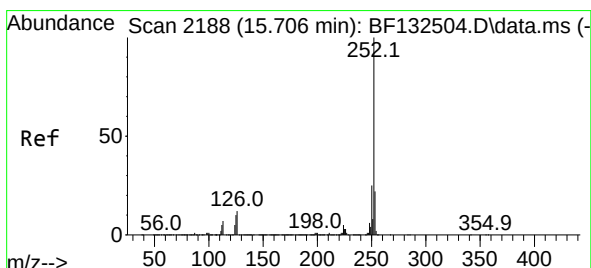
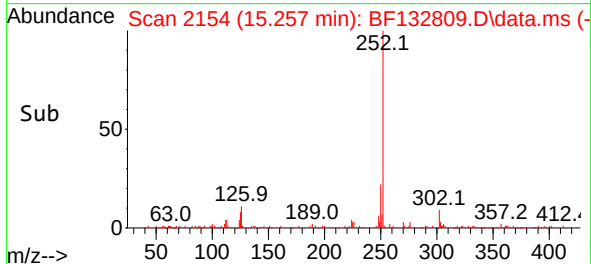
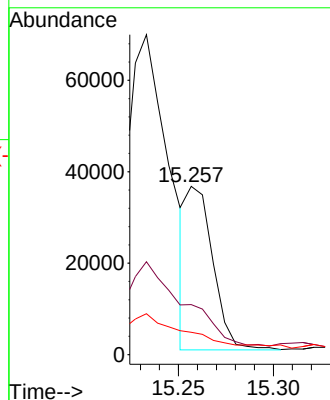
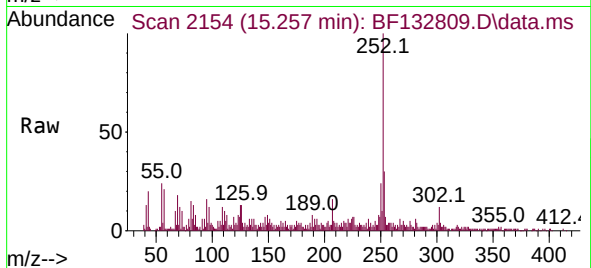
Tgt Ion:252	Resp:	34431
Ion Ratio	Lower	Upper
252	100	
253	29.8	17.5 26.3
125	13.3	7.2 10.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2023

Supervised By :Jagrut Upadhyay 03/16/2023



#90

Benzo(a)pyrene

Concen: 6.536 ng

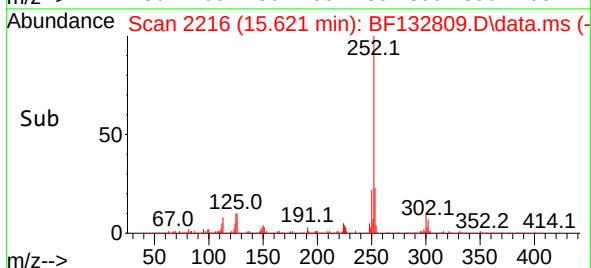
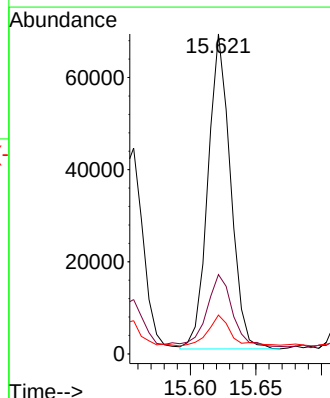
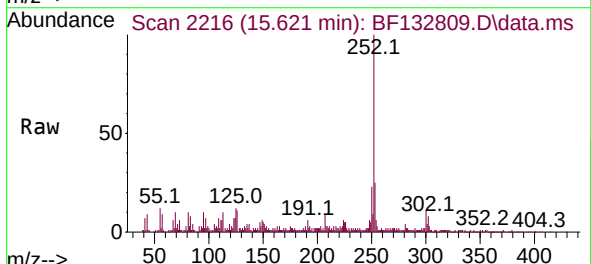
RT: 15.621 min Scan# 2216

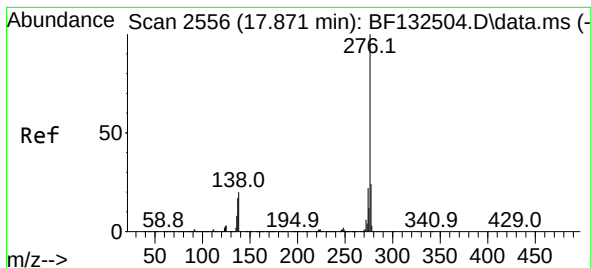
Delta R.T. -0.006 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Tgt Ion:252	Resp:	81829
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.2 25.8
125	12.1	8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 7.212 ng

RT: 17.745 min Scan# 2577

Delta R.T. -0.012 min

Lab File: BF132809.D

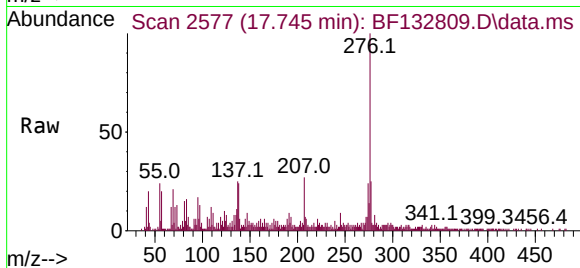
Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023



Tgt Ion: 276 Resp: 6976

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 23.8 16.2 24.4

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 03/16/2023

Supervised By : Jagrut Upadhyay 03/16/2023

