

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132267.D
 Acq On : 01 Feb 2023 18:58
 Operator : CG\JU
 Sample : 01358-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-3-012723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/02/2023
 Supervised By : Jagrut Upadhyay 02/02/2023

Quant Time: Feb 02 00:56:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	170589	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	653754	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	319992	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	549589	20.000	ng	0.00
76) Chrysene-d12	14.277	240	305596	20.000	ng	#-0.01
86) Perylene-d12	15.866	264	367487	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	1042657	98.246	ng	0.00
7) Phenol-d6	6.678	99	1268755	96.970	ng	0.00
23) Nitrobenzene-d5	7.631	82	768812	65.441	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	300867	91.430	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	1333045	64.331	ng	0.00
79) Terphenyl-d14	13.213	244	1120553	70.930	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.642	178	165471	5.762	ng	97
75) Fluoranthene	12.836	202	419764	14.323	ng	98
78) Pyrene	13.072	202	392168	15.955	ng	99
81) Benzo(a)anthracene	14.266	228	187070	8.752	ng	99
83) Chrysene	14.301	228	149053	7.447	ng	98
84) Bis(2-ethylhexyl)phtha...	14.242	149	47926	3.265	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.501	276	108063	4.426	ng	97
88) Benzo(b)fluoranthene	15.383	252	244242m	10.456	ng	
89) Benzo(k)fluoranthene	15.413	252	72309m	3.243	ng	
90) Benzo(a)pyrene	15.795	252	189745	8.723	ng	99
92) Benzo(g,h,i)perylene	18.001	276	102293	5.044	ng	99

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

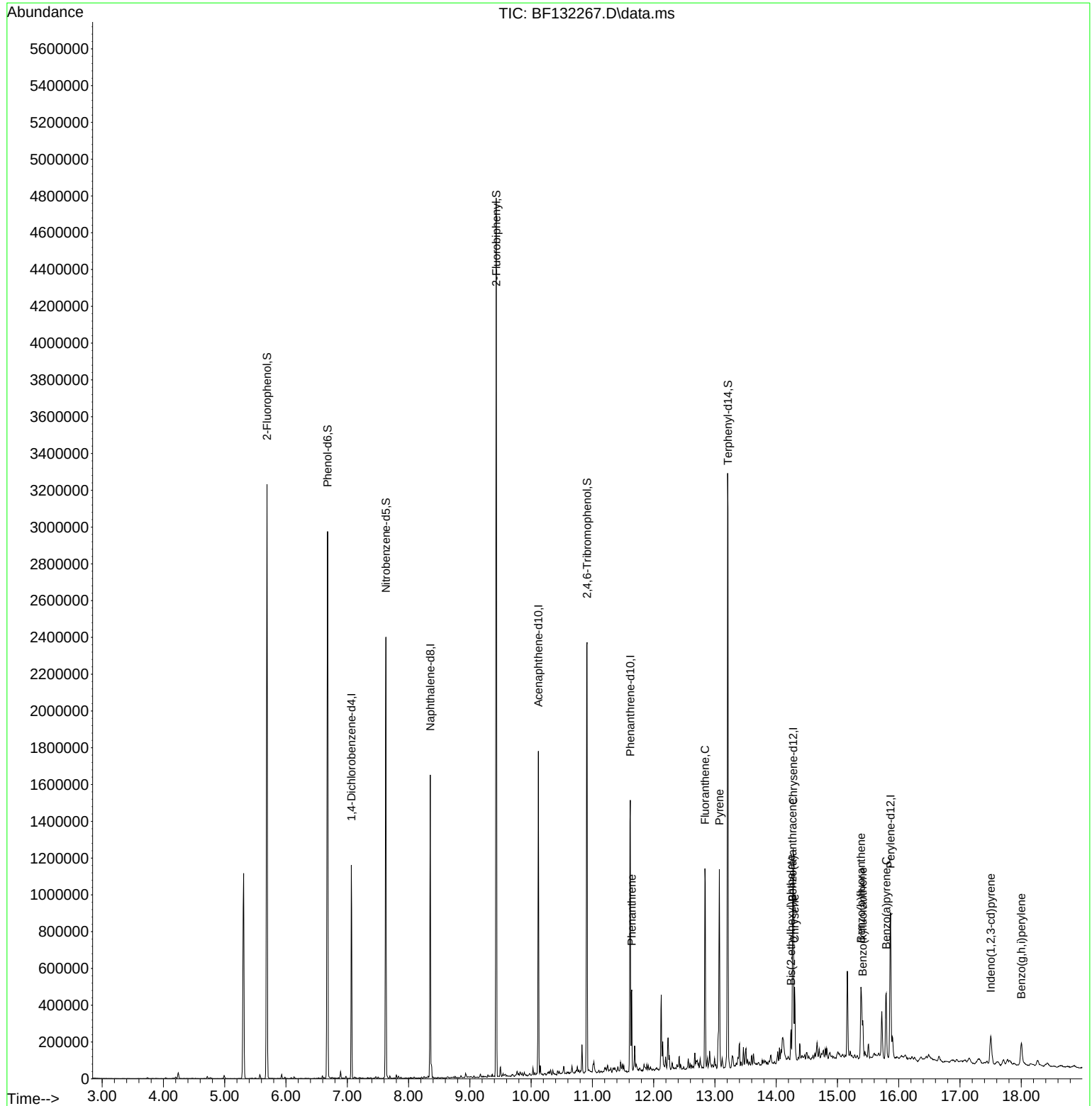
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132267.D
Acq On : 01 Feb 2023 18:58
Operator : CG\JU
Sample : 01358-11
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ALS Vial : 7 Sample Multiplier: 1

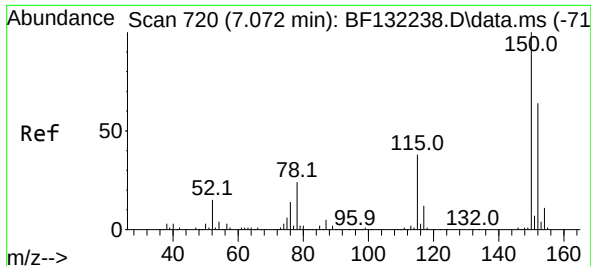
Instrument :
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JC-3-012723

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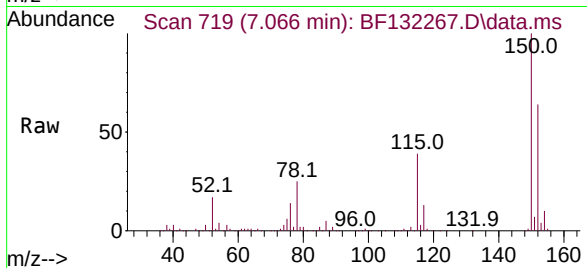
Quant Time: Feb 02 00:56:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

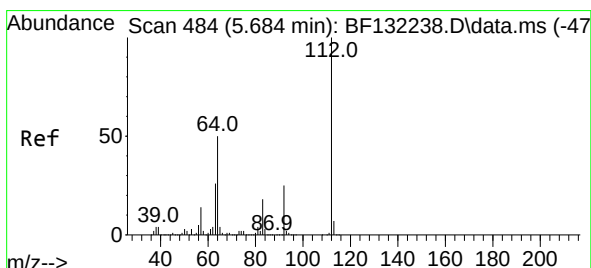
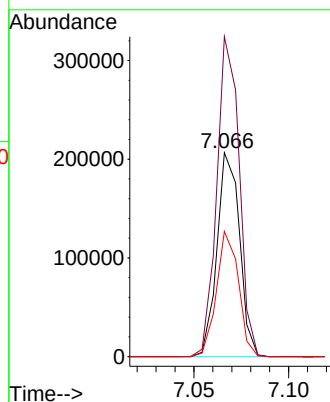
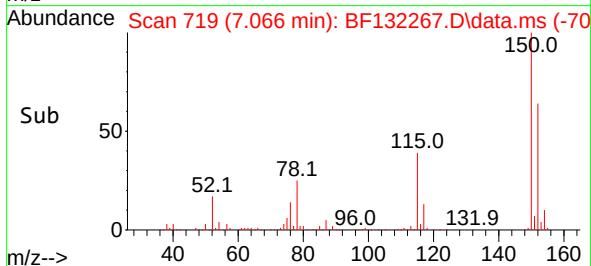
Instrument :
BNA_F
ClientSampleId :
JC-3-012723



Tgt Ion:152 Resp: 170589
Ion Ratio Lower Upper
152 100
150 156.9 124.2 186.2
115 61.4 47.3 70.9

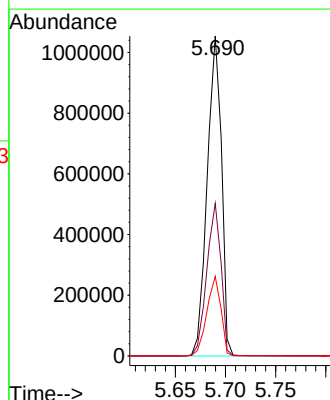
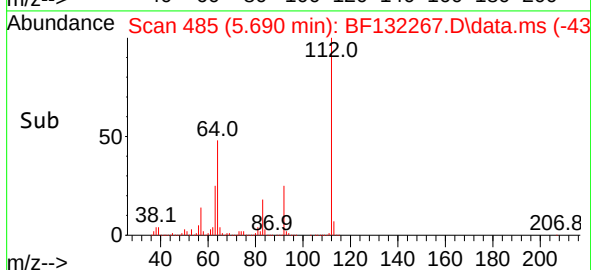
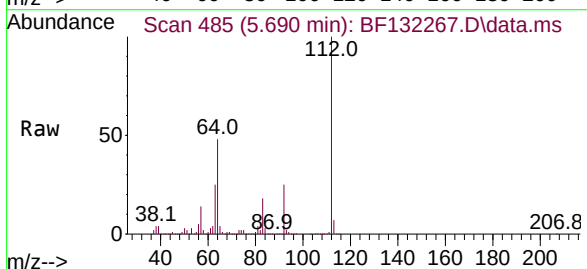
Manual Integrations
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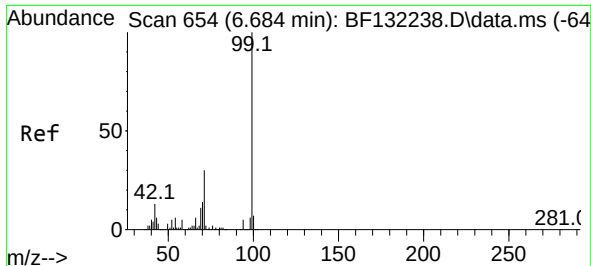
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#5
2-Fluorophenol
Concen: 98.246 ng
RT: 5.690 min Scan# 485
Delta R.T. 0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

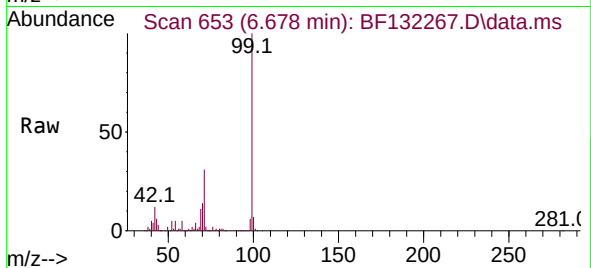
Tgt Ion:112 Resp: 1042657
Ion Ratio Lower Upper
112 100
64 47.7 40.0 60.0
63 24.8 20.5 30.7





#7
Phenol-d6
Concen: 96.970 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

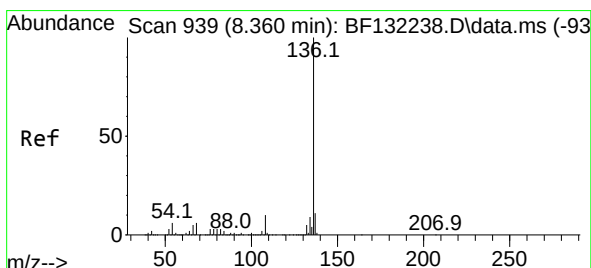
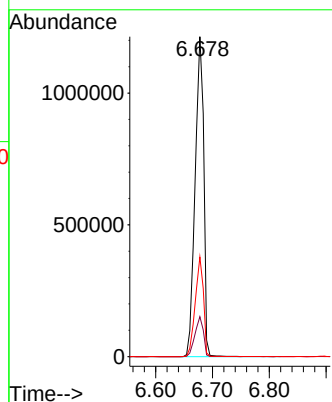
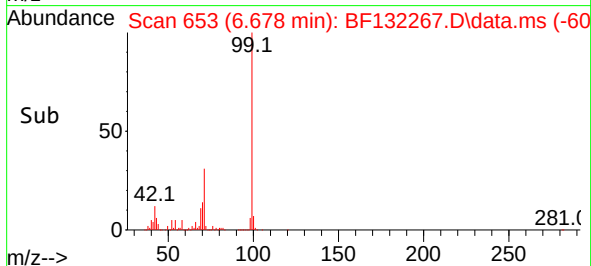
Instrument :
BNA_F
ClientSampleId :
JC-3-012723



Tgt Ion: 99 Resp: 126875
Ion Ratio Lower Upper
99 100
42 12.5 10.1 15.1
71 31.1 24.2 36.4

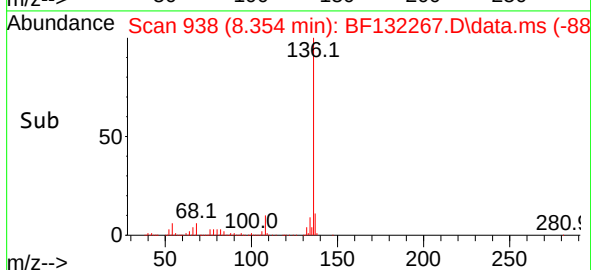
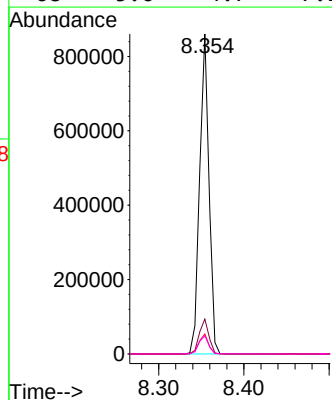
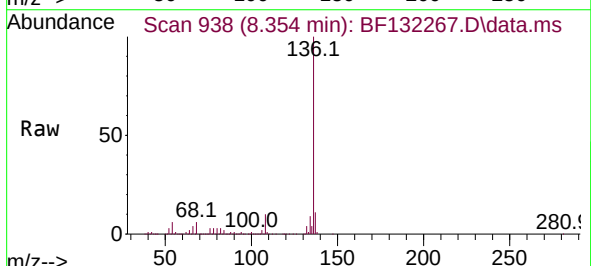
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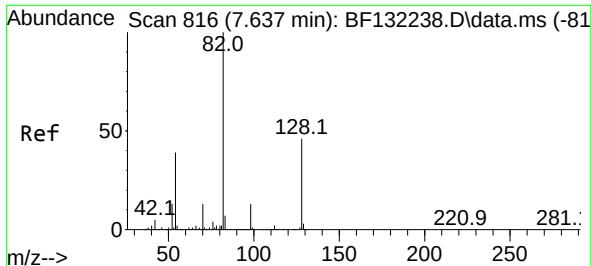
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

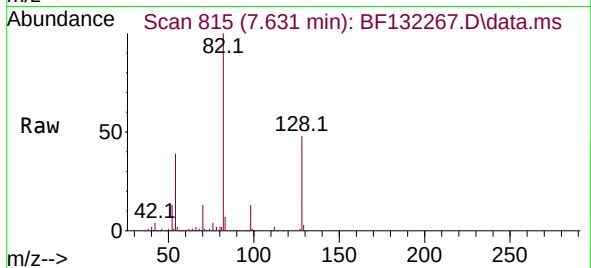
Tgt Ion:136 Resp: 653754
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.2 4.9 7.3
68 5.6 4.7 7.1





#23
Nitrobenzene-d5
Concen: 65.441 ng
RT: 7.631 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

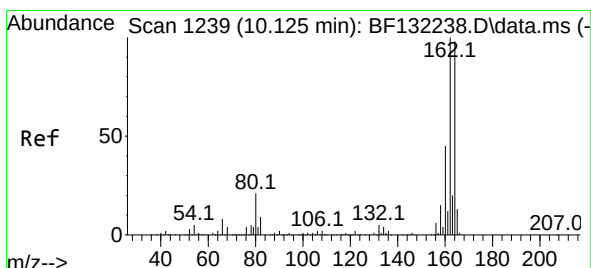
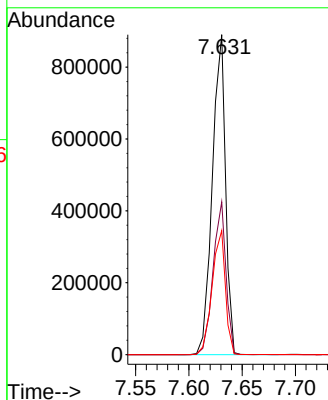
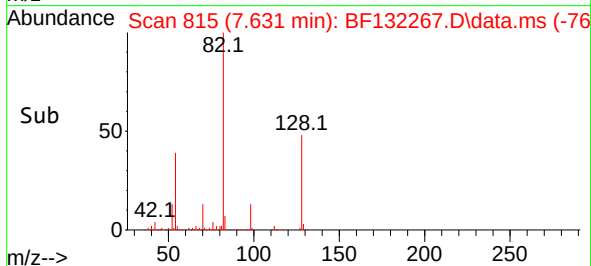
Instrument :
BNA_F
ClientSampleId :
JC-3-012723



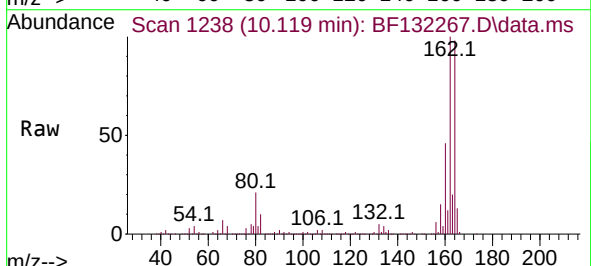
Tgt Ion: 82 Resp: 768812
Ion Ratio Lower Upper
82 100
128 47.7 37.0 55.4
54 38.7 31.5 47.3

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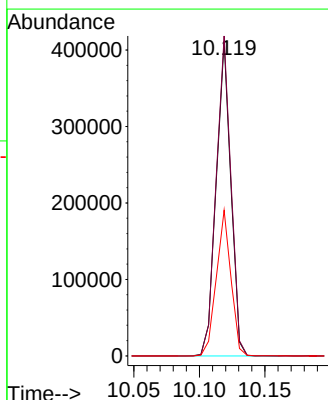
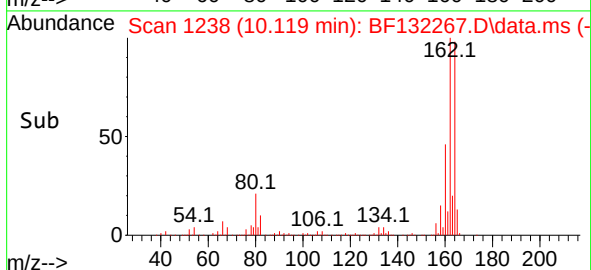
Reviewed By :Christian Giraldo 02/02/2023
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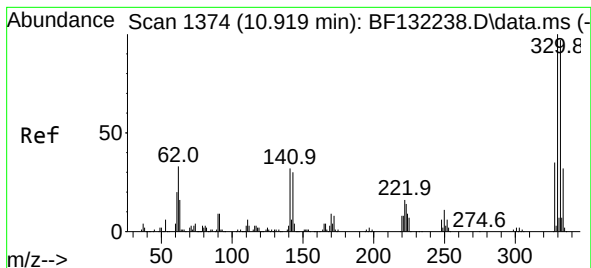


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58



Tgt Ion:164 Resp: 319992
Ion Ratio Lower Upper
164 100
162 101.8 82.0 123.0
160 46.3 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 91.430 ng
RT: 10.913 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

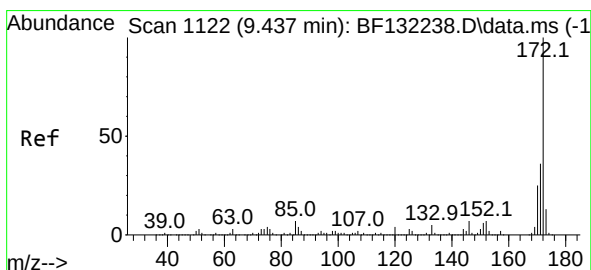
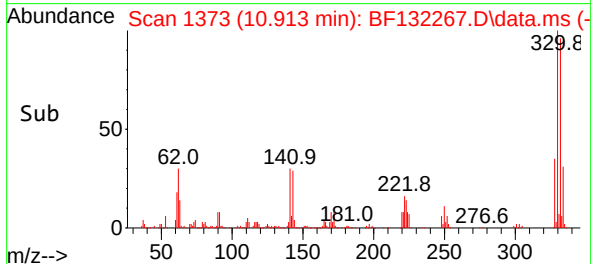
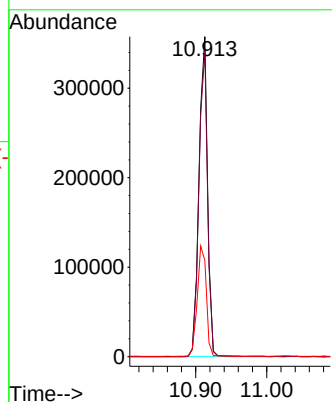
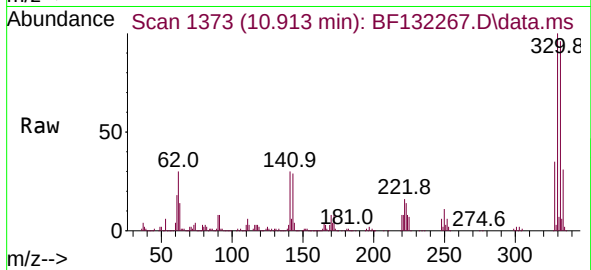
JC-3-012723

Tgt Ion:330 Resp: 300862
Ion Ratio Lower Upper
330 100
332 95.9 77.9 116.9
141 36.5 31.0 46.4

Manual Integrations

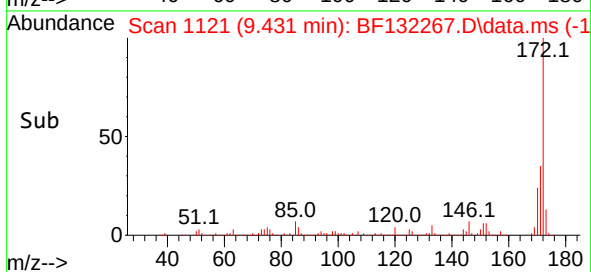
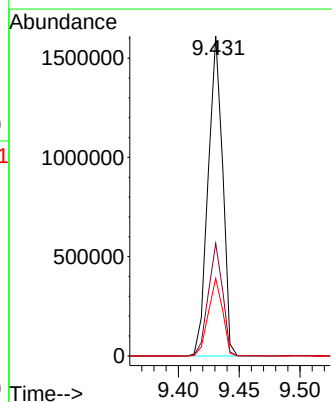
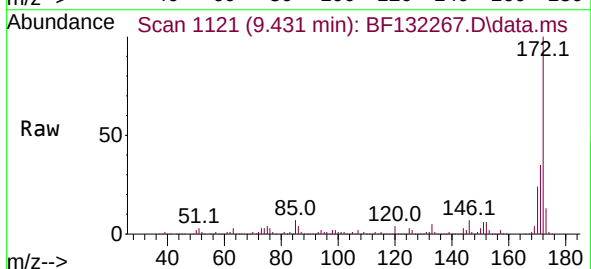
APPROVED

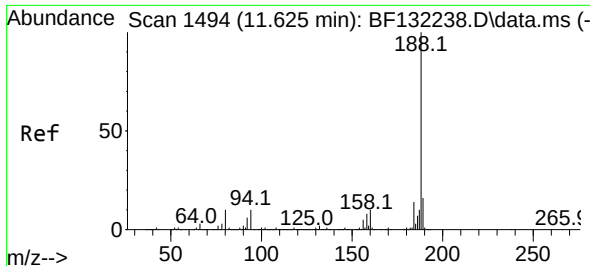
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#45
2-Fluorobiphenyl
Concen: 64.331 ng
RT: 9.431 min Scan# 1121
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:172 Resp: 1333045
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 24.2 19.7 29.5





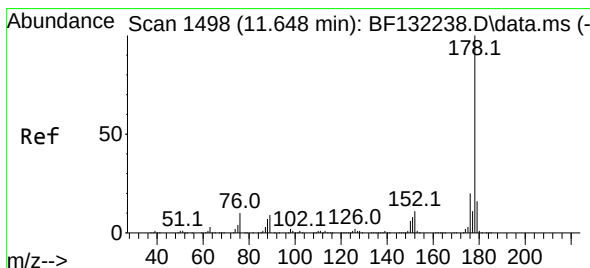
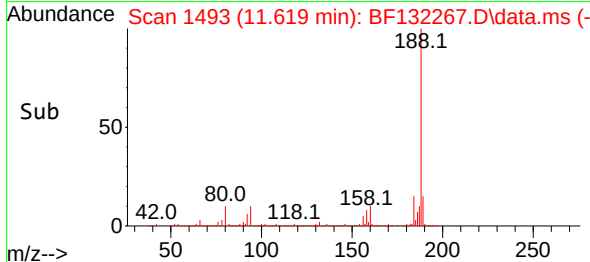
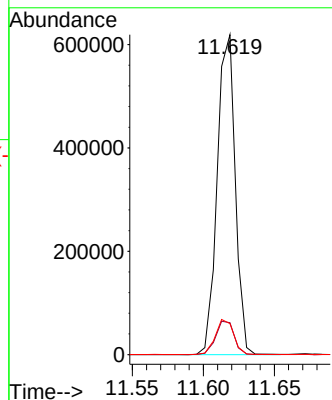
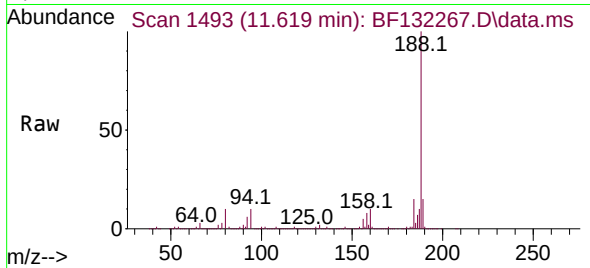
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Instrument :
BNA_F
ClientSampleId :
JC-3-012723

Tgt Ion:188 Resp: 549589
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 9.7 8.3 12.5

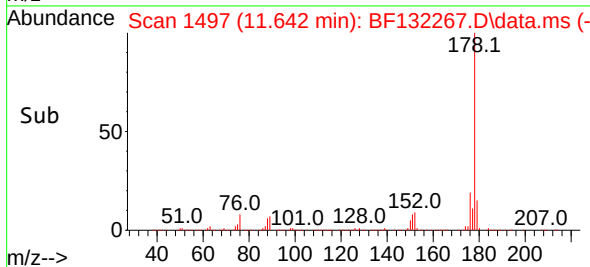
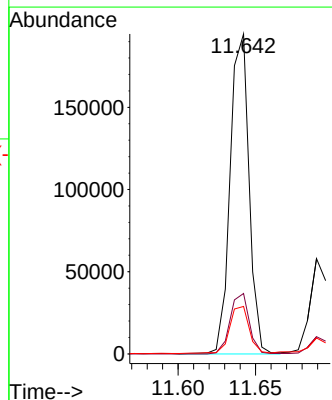
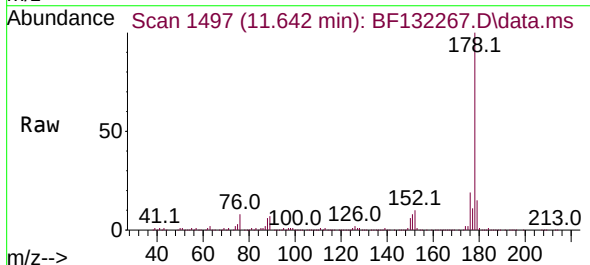
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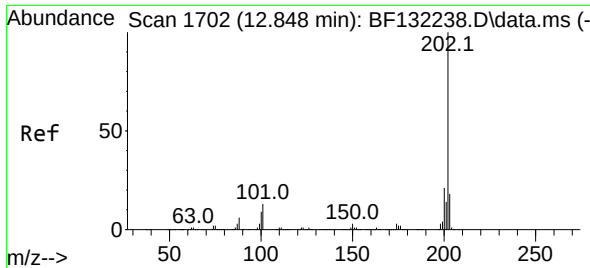
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#71
Phenanthrene
Concen: 5.762 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:178 Resp: 165471
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 14.8 12.8 19.2





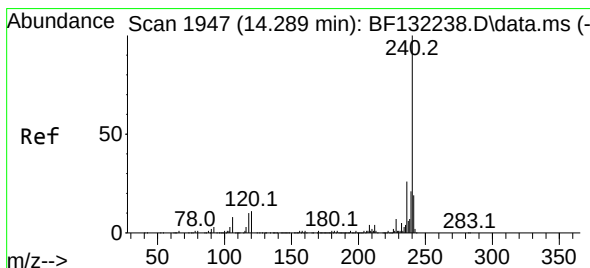
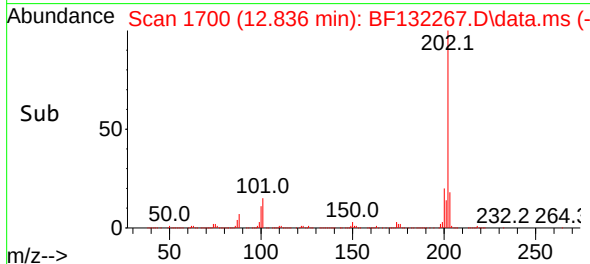
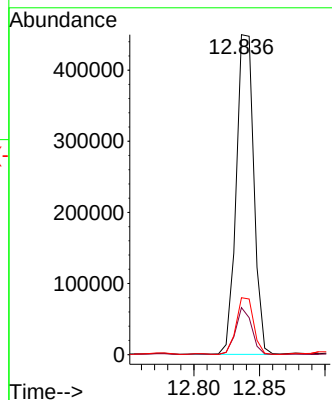
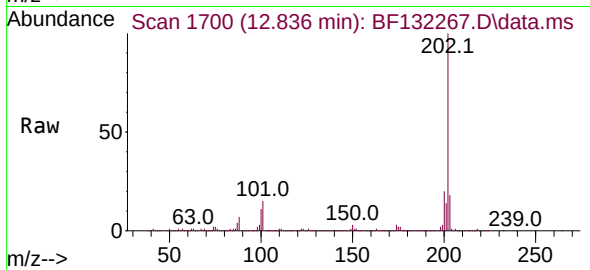
#75
Fluoranthene
Concen: 14.323 ng
RT: 12.836 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Instrument :
BNA_F
ClientSampleId :
JC-3-012723

Tgt Ion:202 Resp: 419764
Ion Ratio Lower Upper
202 100
101 14.7 0.0 32.7
203 17.8 0.0 37.9

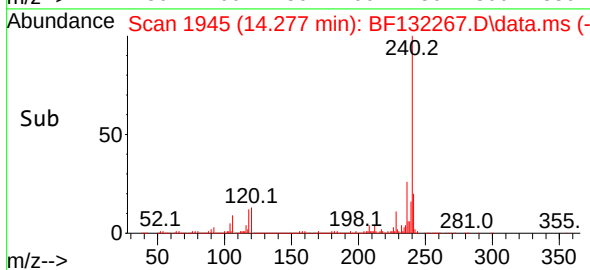
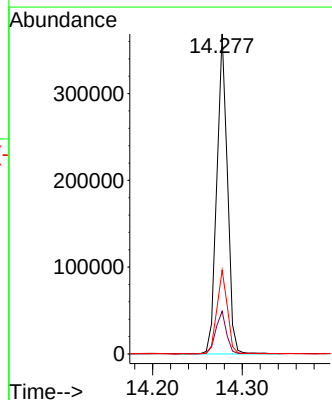
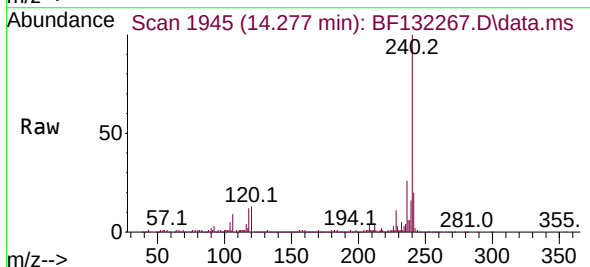
Manual Integrations
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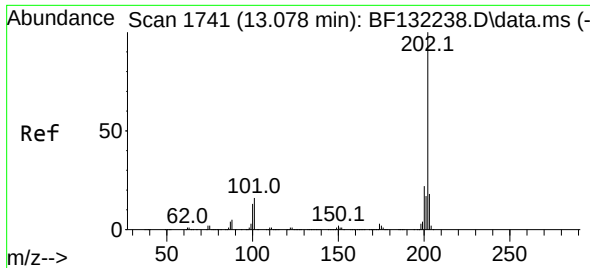
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

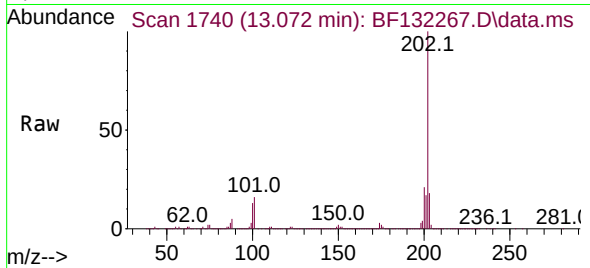
Tgt Ion:240 Resp: 305596
Ion Ratio Lower Upper
240 100
120 13.4 8.8 13.2#
236 26.2 21.0 31.6





#78
Pyrene
Concen: 15.955 ng
RT: 13.072 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

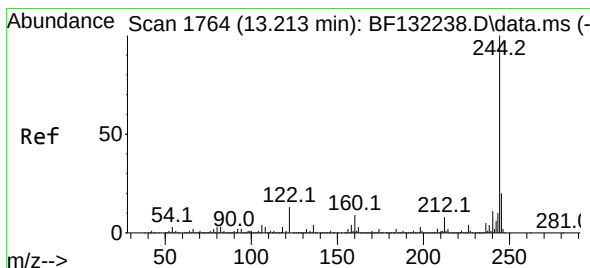
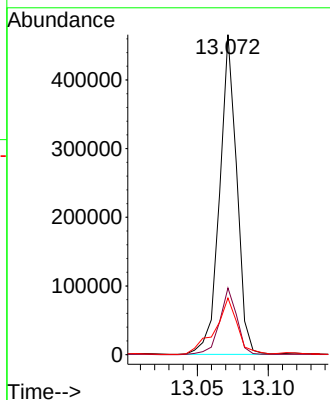
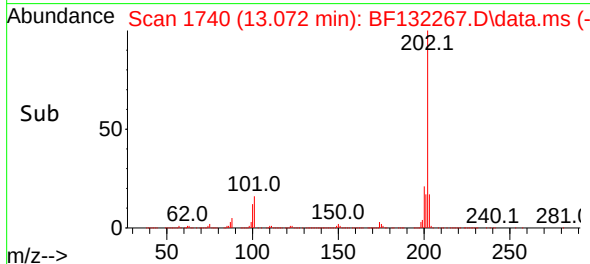
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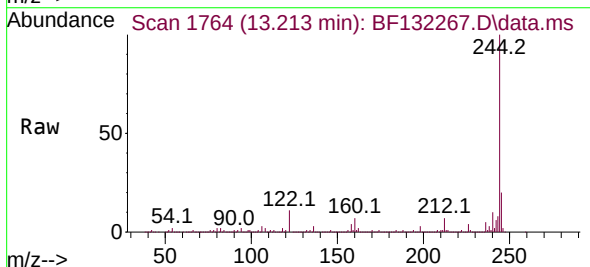
Tgt Ion:202 Resp: 392168
Ion Ratio Lower Upper
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200 20.8 17.3 25.9
203 17.7 14.4 21.6

Manual Integrations
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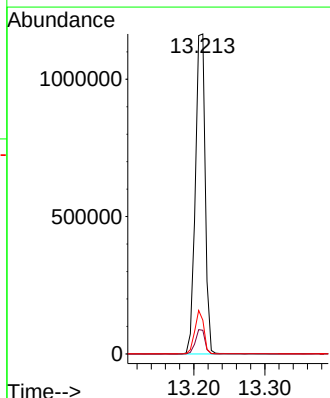
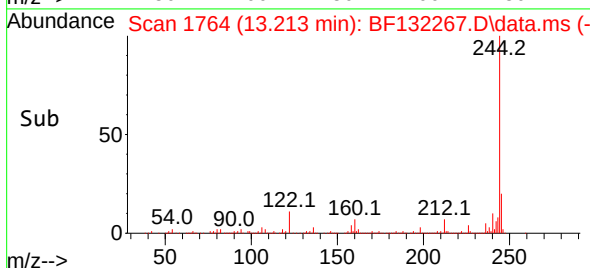
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

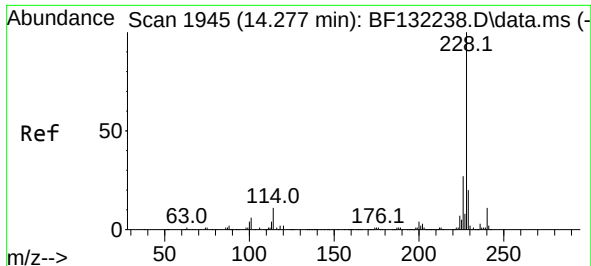


#79
Terphenyl-d14
Concen: 70.930 ng
RT: 13.213 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58



Tgt Ion:244 Resp: 1120553
Ion Ratio Lower Upper
244 100
212 7.4 6.4 9.6
122 10.5 10.5 15.7





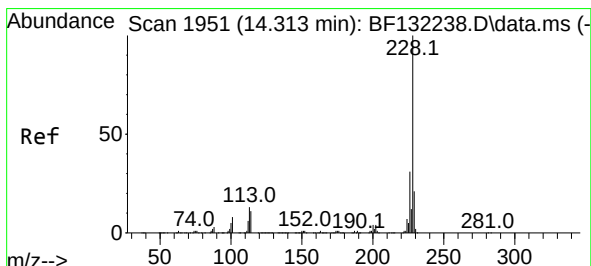
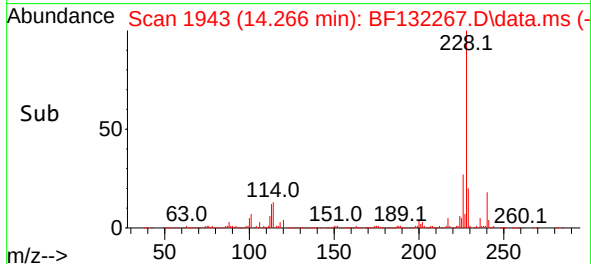
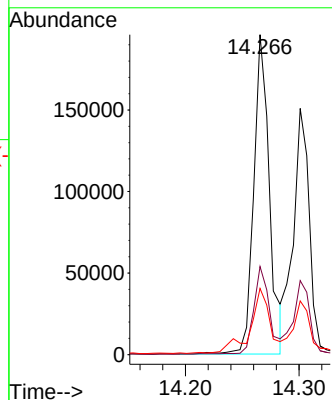
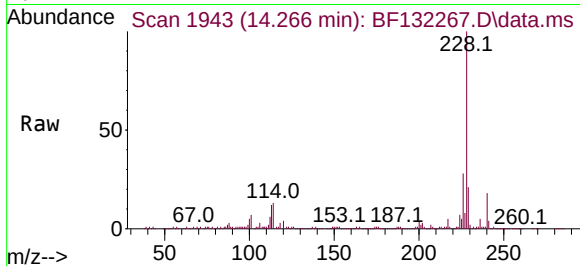
#81
Benzo(a)anthracene
Concen: 8.752 ng
RT: 14.266 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Instrument :
BNA_F
ClientSampleId :
JC-3-012723

Tgt Ion:228 Resp: 187076
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 20.7 15.8 23.6

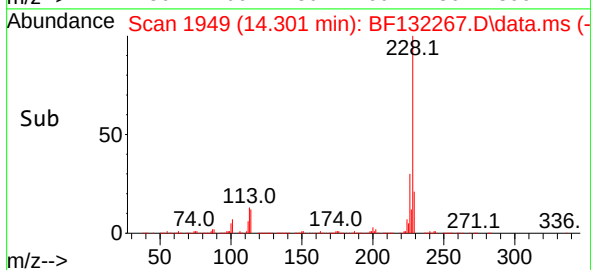
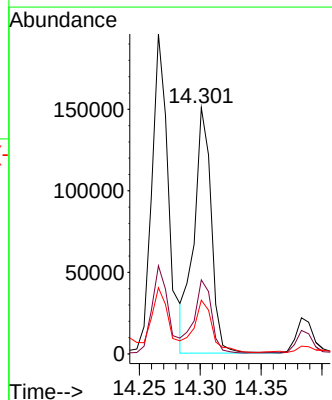
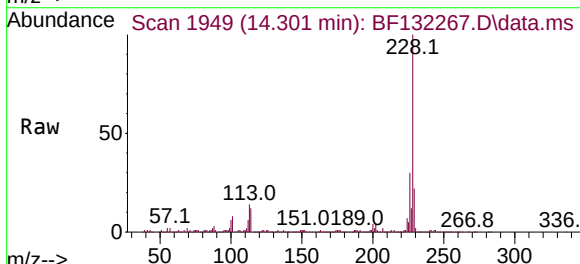
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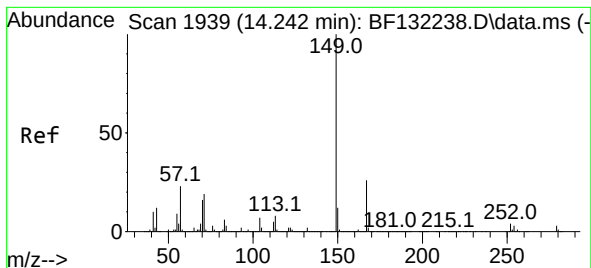
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#83
Chrysene
Concen: 7.447 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:228 Resp: 149053
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 21.8 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.265 ng
RT: 14.242 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

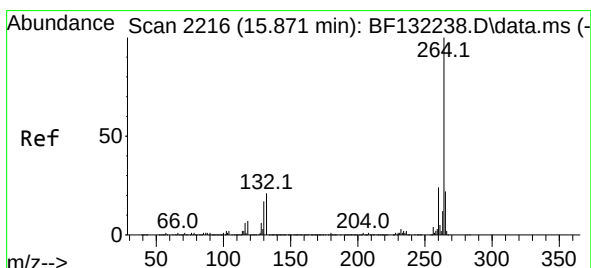
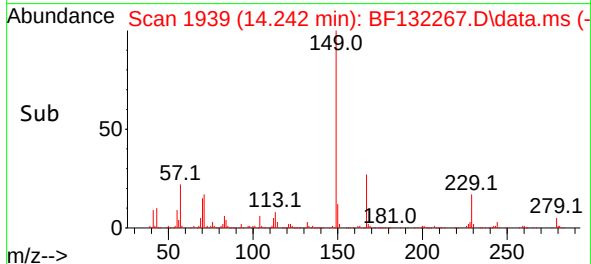
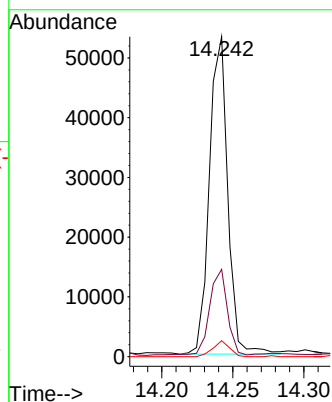
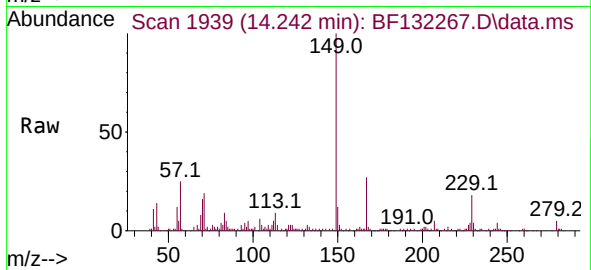
JC-3-012723

Tgt Ion:149 Resp: 47926
Ion Ratio Lower Upper
149 100
167 27.3 20.7 31.1
279 5.0 2.7 4.1

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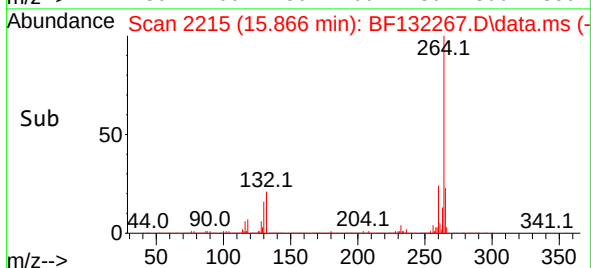
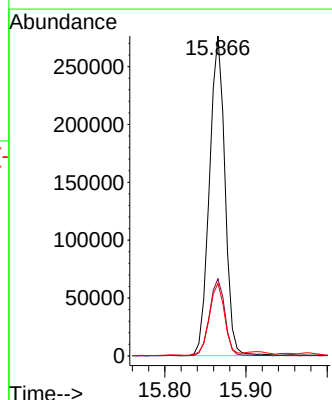
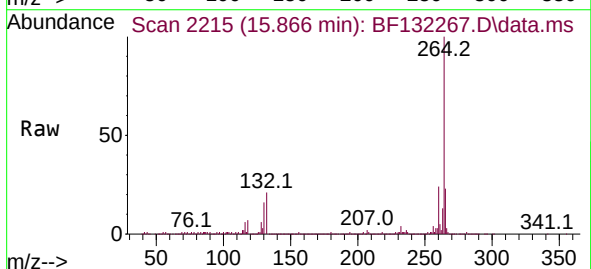
APPROVED

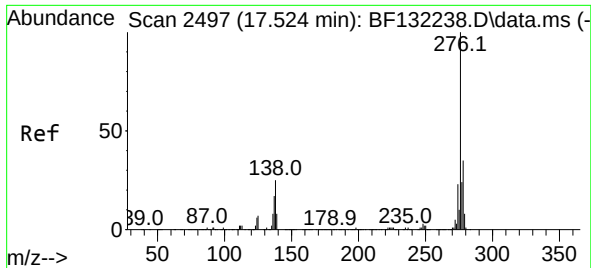
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.866 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

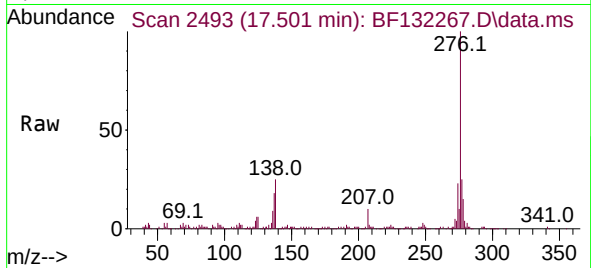
Tgt Ion:264 Resp: 367487
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 22.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.426 ng
RT: 17.501 min Scan# 2493
Delta R.T. -0.024 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

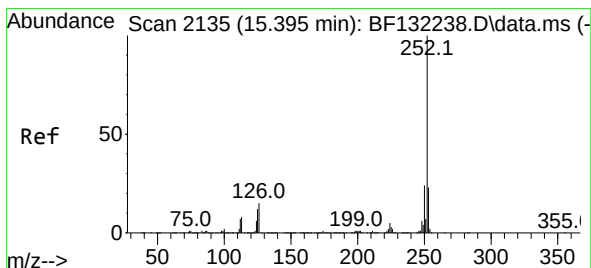
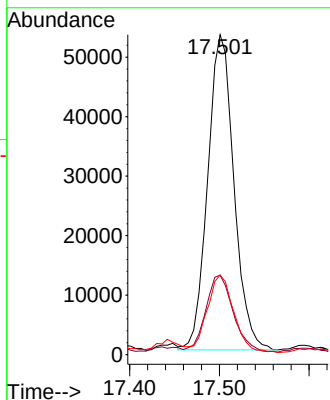
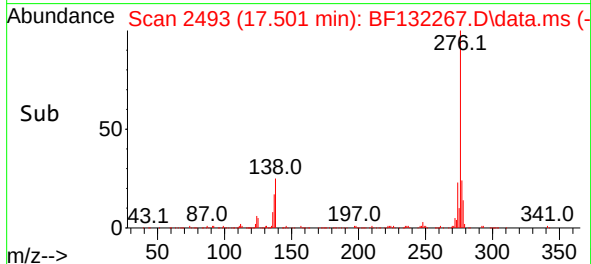
Instrument :
BNA_F
ClientSampleId :
JC-3-012723



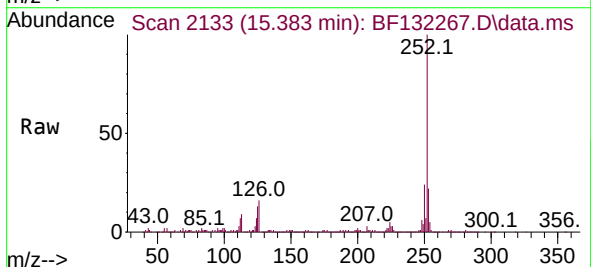
Tgt Ion:276 Resp: 108063
Ion Ratio Lower Upper
276 100
138 26.0 23.3 34.9
277 24.9 20.0 30.0

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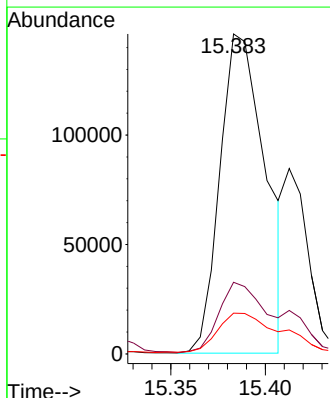
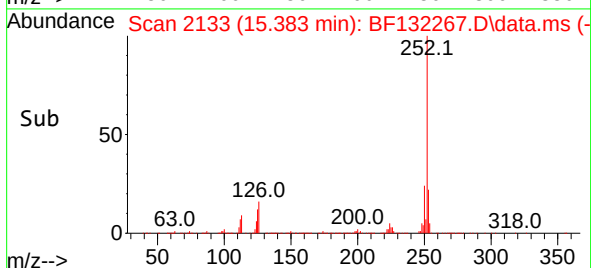
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

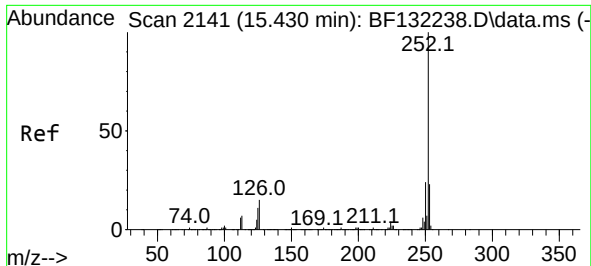


#88
Benzo(b)fluoranthene
Concen: 10.456 ng m
RT: 15.383 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58



Tgt Ion:252 Resp: 244242
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.7 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 3.243 ng m

RT: 15.413 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

Tgt Ion:252 Resp: 72309

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

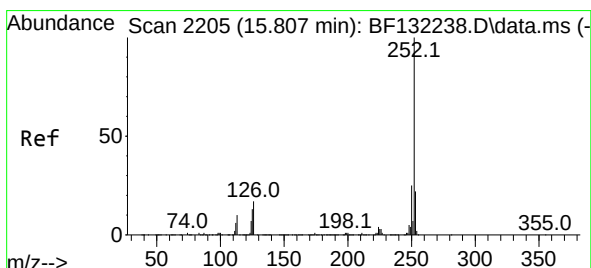
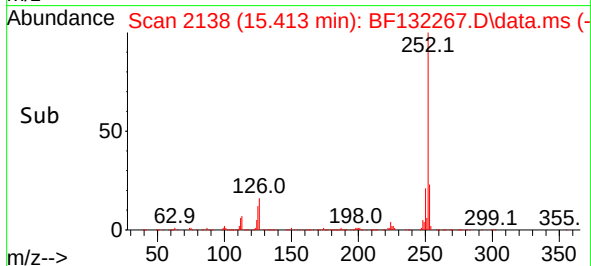
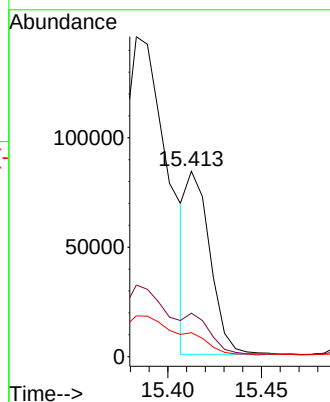
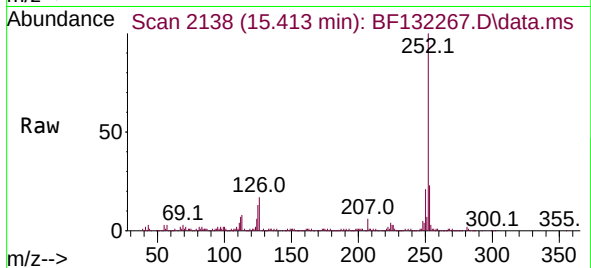
125 12.9 9.0 13.6

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Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#90

Benzo(a)pyrene

Concen: 8.723 ng

RT: 15.795 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

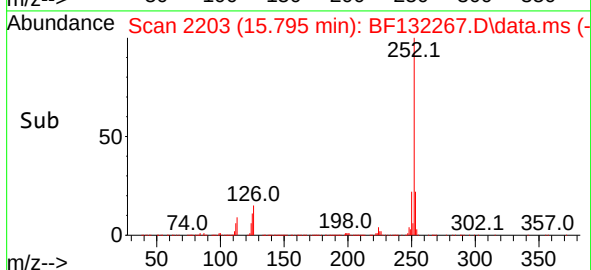
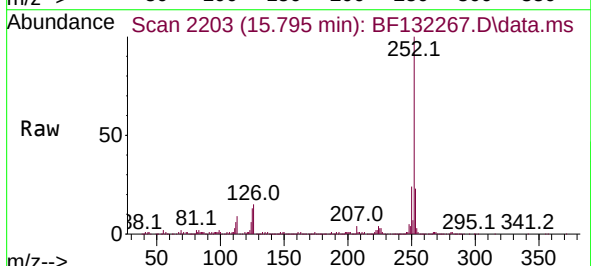
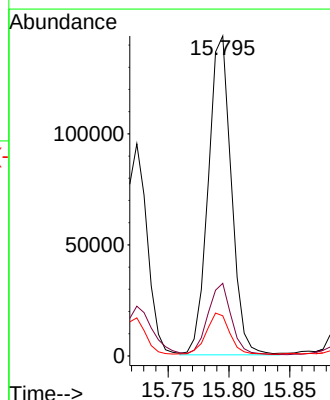
Tgt Ion:252 Resp: 189745

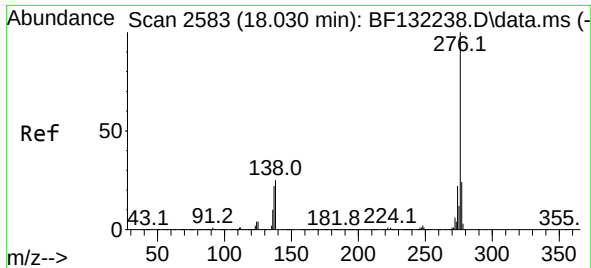
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

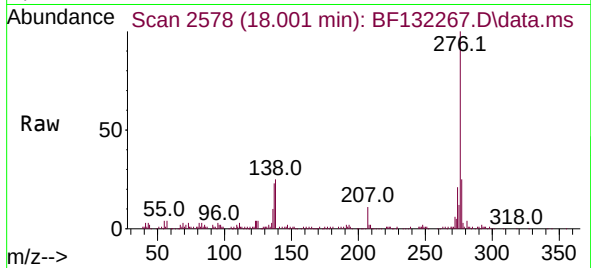
125 12.5 10.2 15.4





#92
 Benzo(g,h,i)perylene
 Concen: 5.044 ng
 RT: 18.001 min Scan# 2578
 Delta R.T. -0.029 min
 Lab File: BF132267.D
 Acq: 01 Feb 2023 18:58

Instrument :
 BNA_F
 ClientSampleId :
 JC-3-012723



Tgt Ion: 276 Resp: 102293
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.4 29.2
 138 24.6 20.3 30.5

Manual Integrations
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Reviewed By : Christian Giraldo 02/02/2023
 Supervised By : Jagrut Upadhyay 02/02/2023

