

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
 Data File : BF132035.D
 Acq On : 11 Jan 2023 21:39
 Operator : CG\JU
 Sample : 01083-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-010923

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/12/2023
 Supervised By : Jagrut Upadhyay 01/12/2023

Quant Time: Jan 12 00:39:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71124	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	220895	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	105941	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	189760	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	118883	20.000	ng	0.00
86) Perylene-d12	15.451	264	95904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	196395	45.500	ng	0.00
7) Phenol-d6	6.422	99	240464	42.017	ng	-0.01
23) Nitrobenzene-d5	7.345	82	160466	30.150	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	41758	34.282	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	241071	30.719	ng	-0.02
79) Terphenyl-d14	12.916	244	236232	28.481	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	52536	5.311	ng	99
75) Fluoranthene	12.539	202	82911	7.452	ng	99
78) Pyrene	12.774	202	79874	7.367	ng	99
81) Benzo(a)anthracene	13.969	228	25315	2.927	ng	# 83
83) Chrysene	14.004	228	29425	3.640	ng	# 86
88) Benzo(b)fluoranthene	15.021	252	21016m	3.195	ng	
90) Benzo(a)pyrene	15.386	252	15906	2.684	ng	# 65
92) Benzo(g,h,i)perylene	17.368	276	11455	5.535	ng	# 75

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

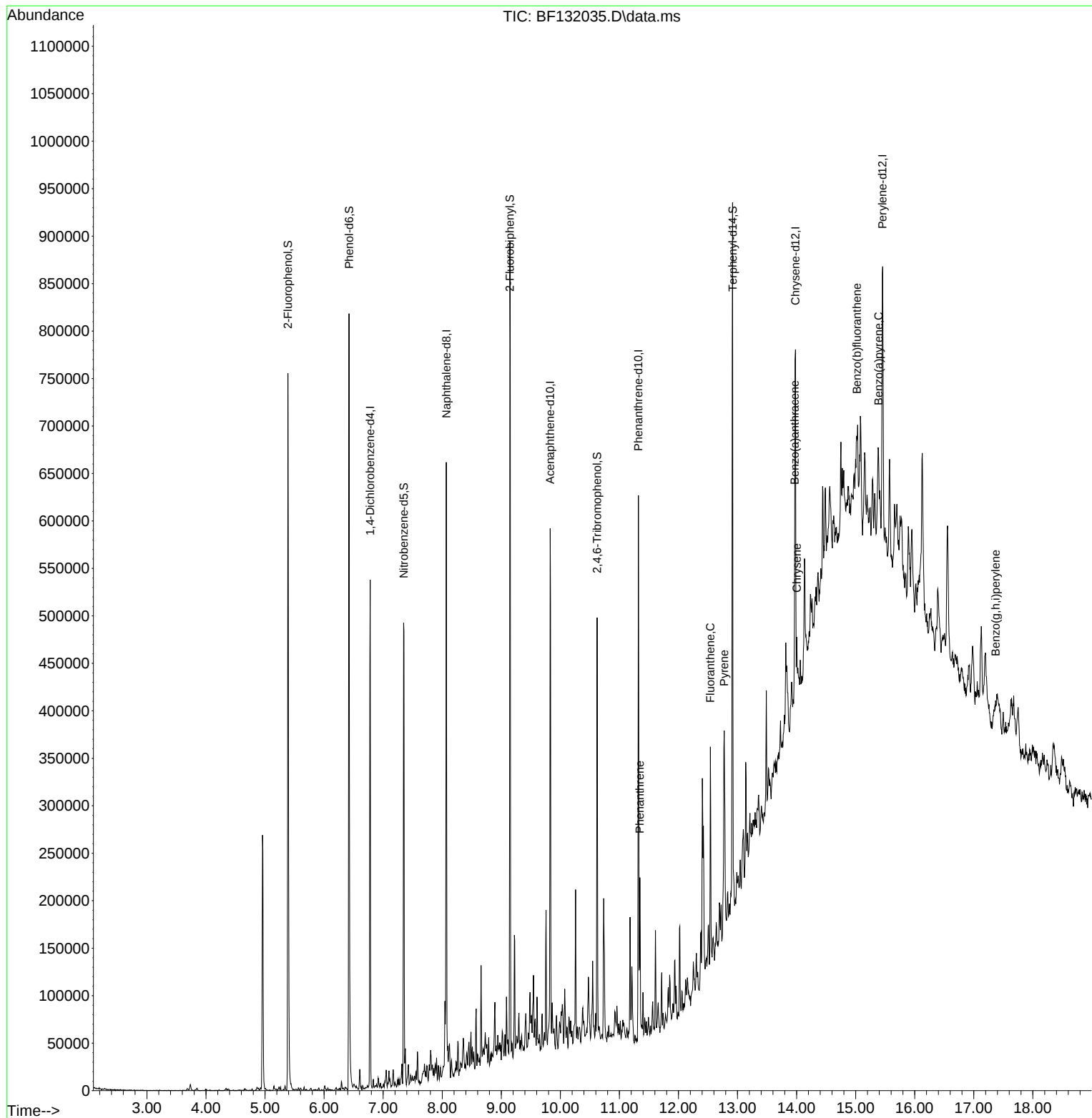
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011123\
Data File : BF132035.D
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Operator : CG\JU
Sample : 01083-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

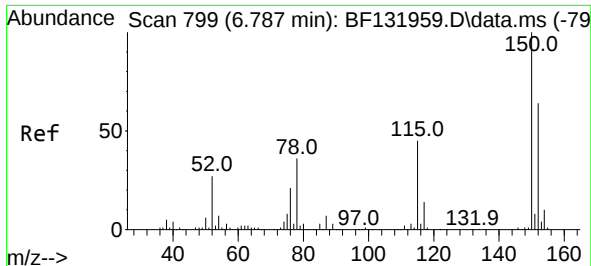
Instrument :
BNA_F
ClientSampleId :
OK-01-010923

Quant Time: Jan 12 00:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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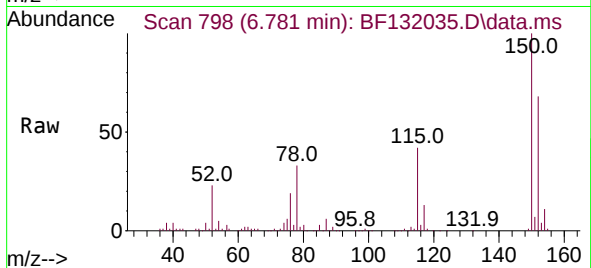
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

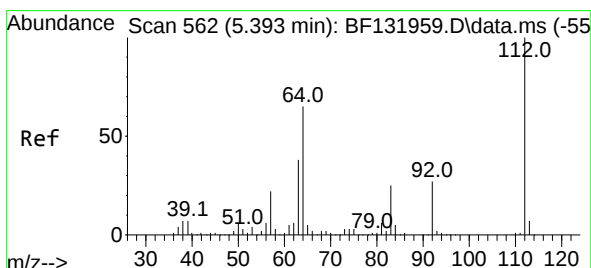
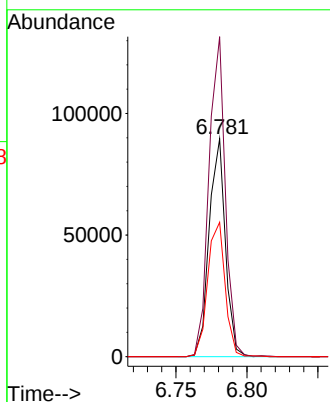
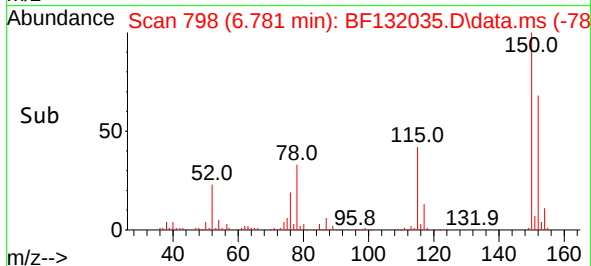
Instrument :
BNA_F
ClientSampleId :
OK-01-010923



Tgt Ion:152 Resp: 71124
Ion Ratio Lower Upper
152 100
150 146.8 124.6 186.8
115 61.6 55.6 83.4

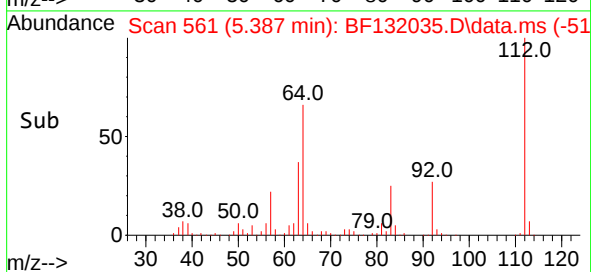
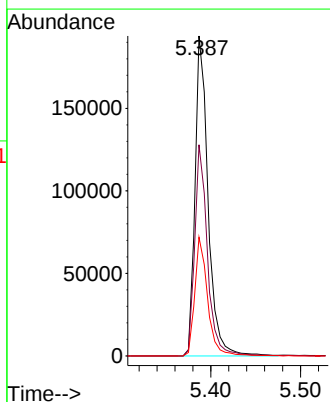
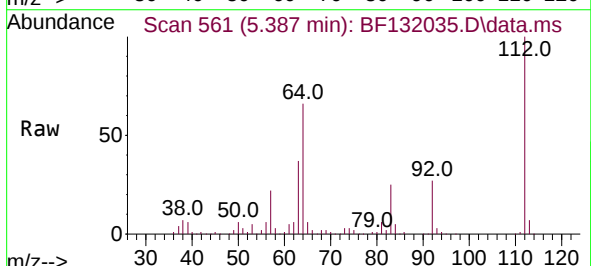
Manual Integrations
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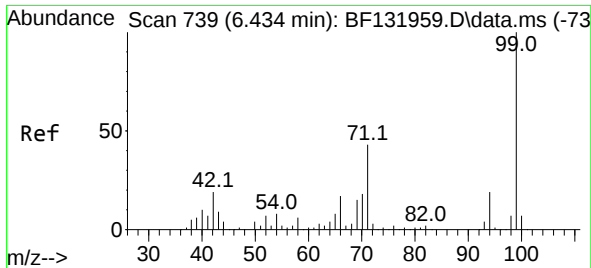
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#5
2-Fluorophenol
Concen: 45.500 ng
RT: 5.387 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

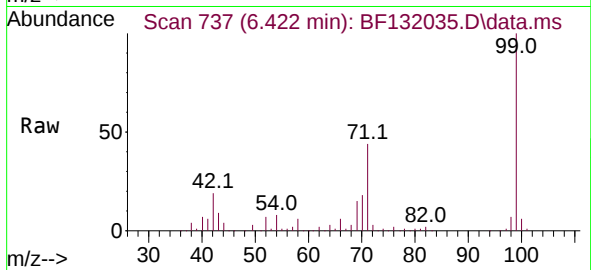
Tgt Ion:112 Resp: 196395
Ion Ratio Lower Upper
112 100
64 66.0 51.9 77.9
63 37.1 30.2 45.2





#7
Phenol-d6
Concen: 42.017 ng
RT: 6.422 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

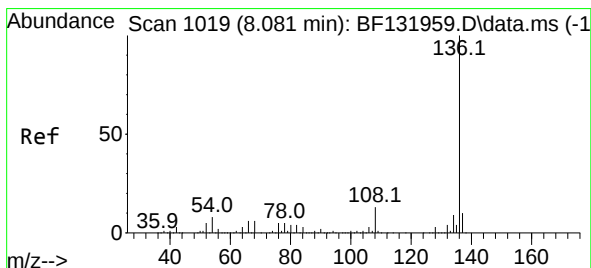
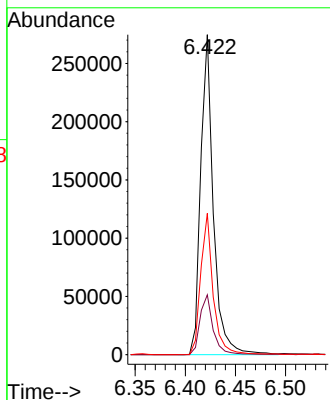
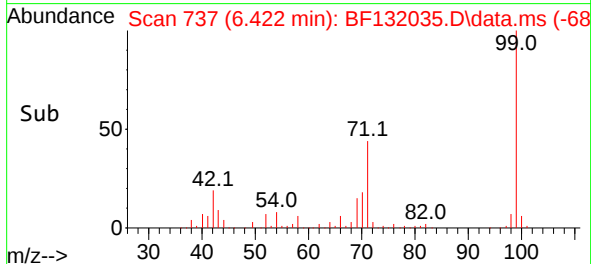
Instrument :
BNA_F
ClientSampleId :
OK-01-010923



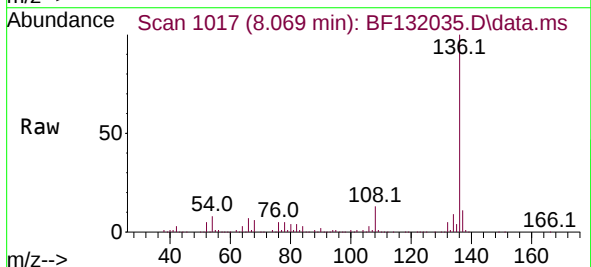
Tgt Ion: 99 Resp: 240464
Ion Ratio Lower Upper
99 100
42 18.7 15.4 23.2
71 44.1 34.6 51.8

Manual Integrations
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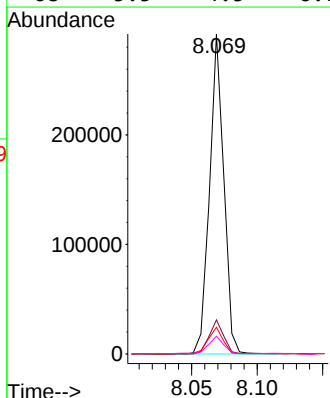
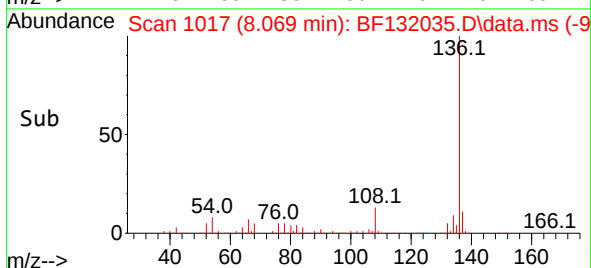
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

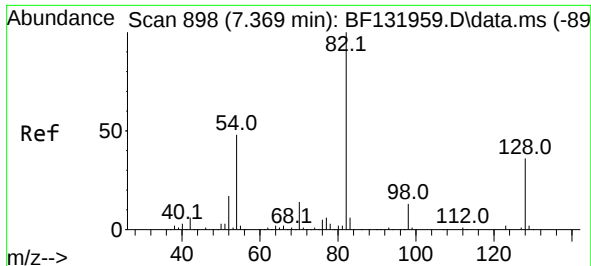


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39



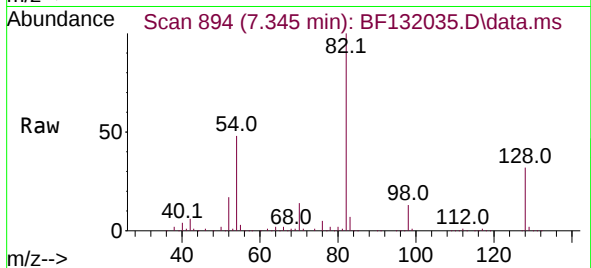
Tgt Ion:136 Resp: 220895
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.2
54 8.3 6.6 9.8
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 30.150 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.024 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

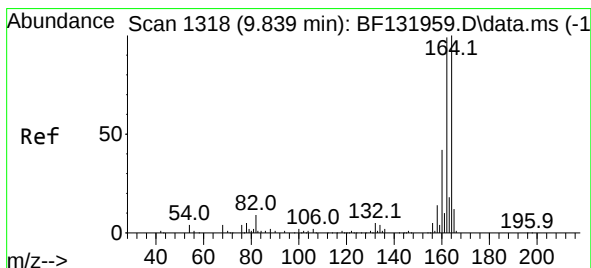
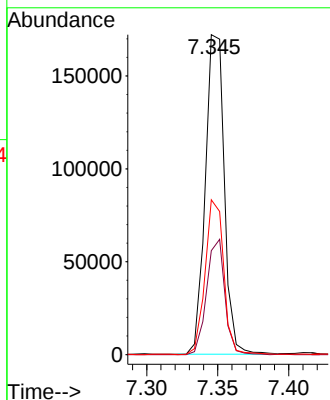
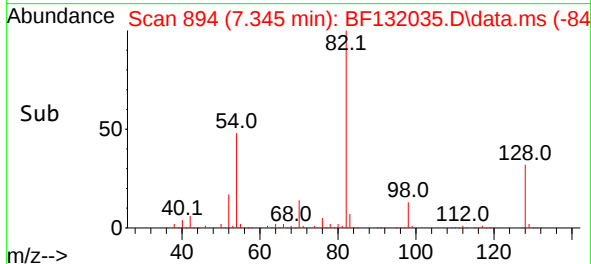
Instrument :
BNA_F
ClientSampleId :
OK-01-010923



Tgt Ion: 82 Resp: 160466
Ion Ratio Lower Upper
82 100
128 32.5 28.7 43.1
54 48.4 38.1 57.1

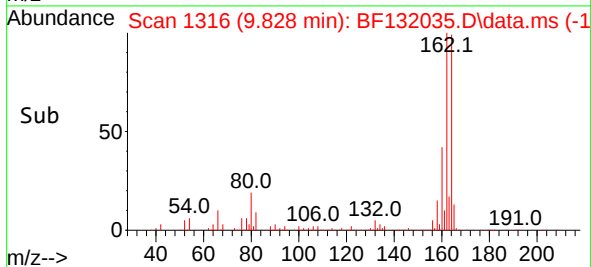
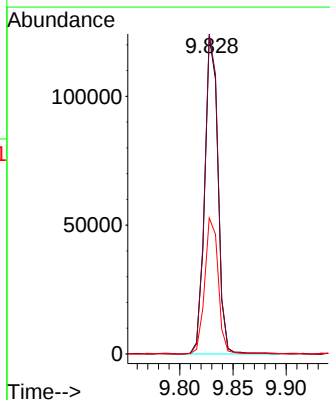
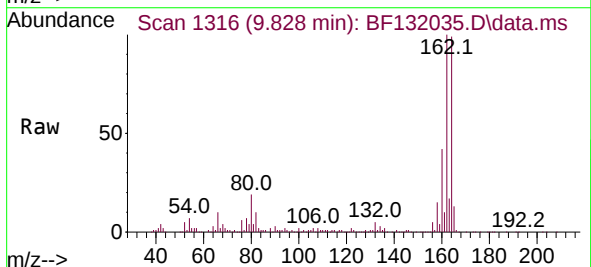
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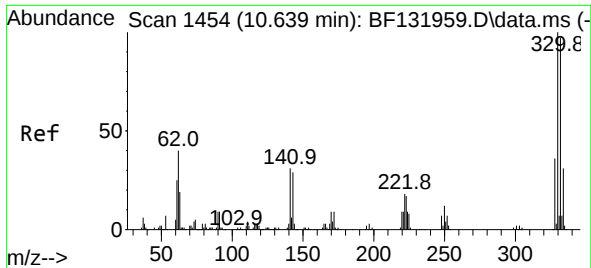
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:164 Resp: 105941
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.0
160 42.8 33.9 50.9





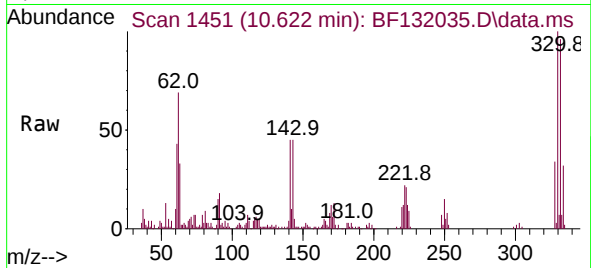
#42
2,4,6-Tribromophenol
Concen: 34.282 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

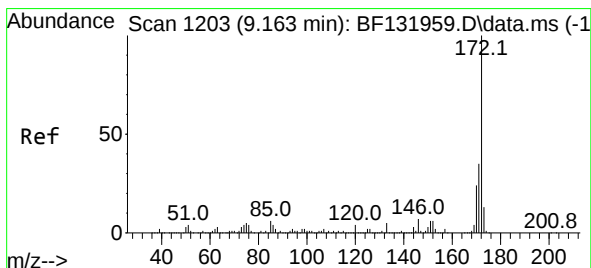
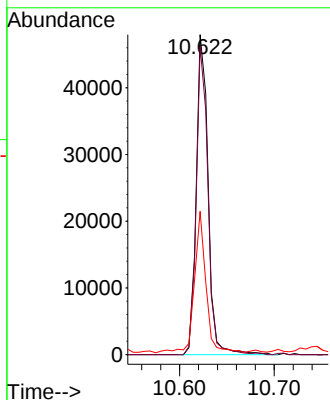
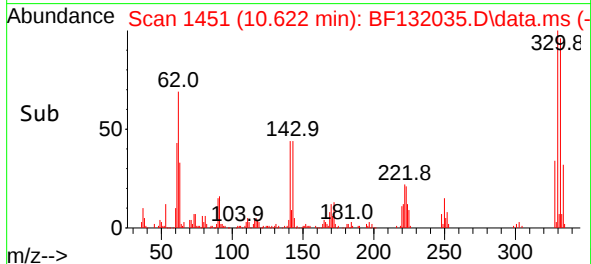


Tgt Ion: 330 Resp: 41758
Ion Ratio Lower Upper
330 100
332 94.5 76.9 115.3
141 42.7 31.3 46.9

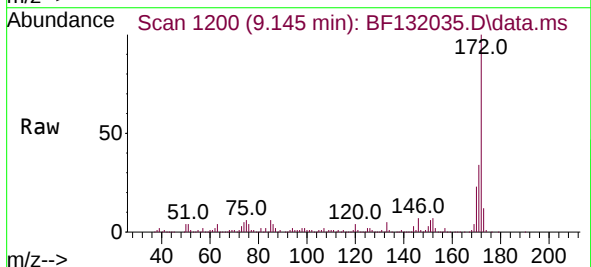
Manual Integrations

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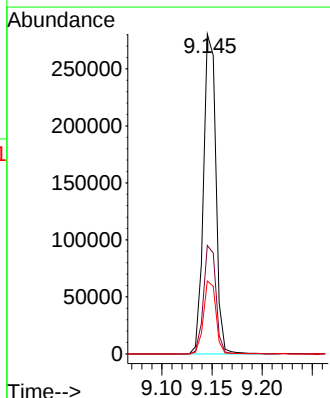
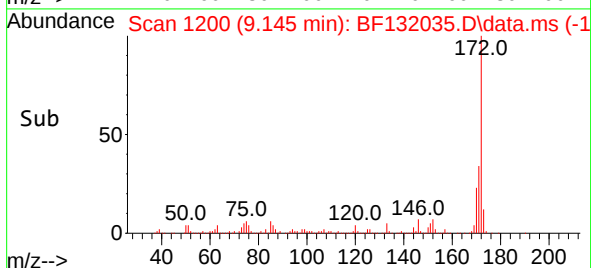
Reviewed By : Christian Giraldo 01/12/2023
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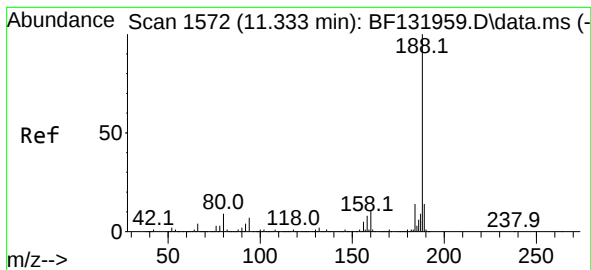


#45
2-Fluorobiphenyl
Concen: 30.719 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39



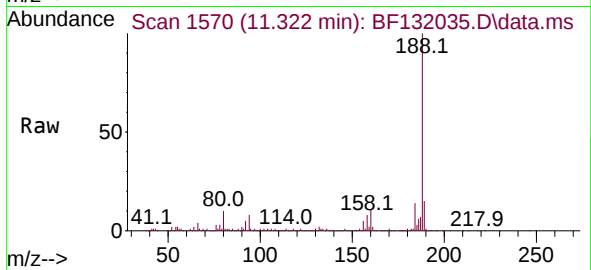
Tgt Ion: 172 Resp: 241071
Ion Ratio Lower Upper
172 100
171 33.9 28.0 42.0
170 22.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

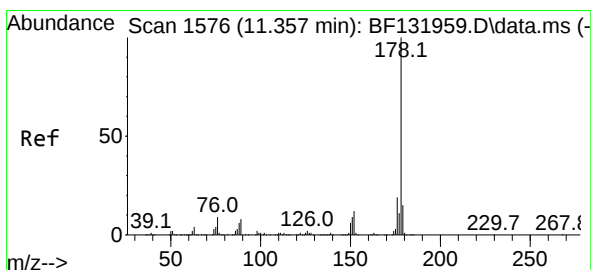
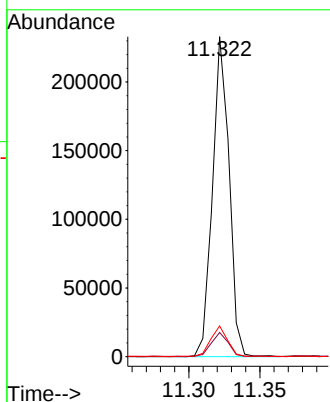
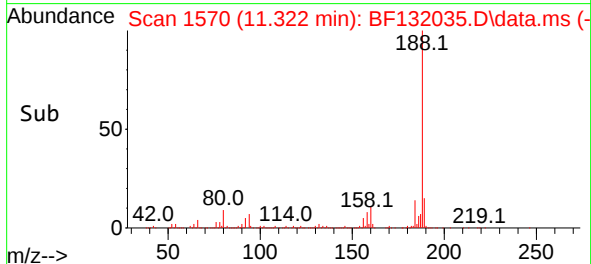
Instrument :
BNA_F
ClientSampleId :
OK-01-010923



Tgt Ion:188 Resp: 189760
Ion Ratio Lower Upper
188 100
94 7.6 5.8 8.6
80 9.6 7.4 11.0

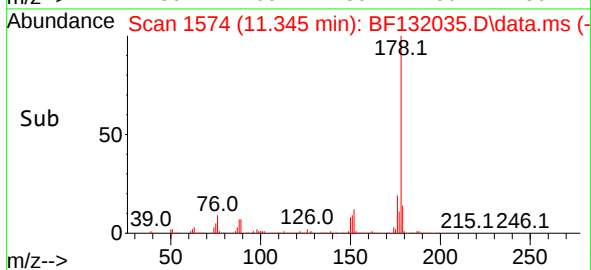
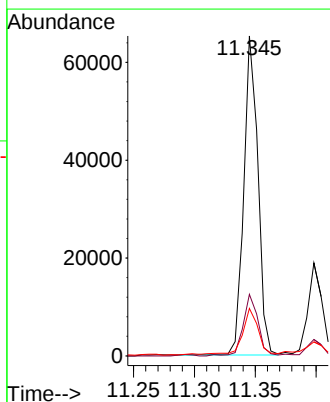
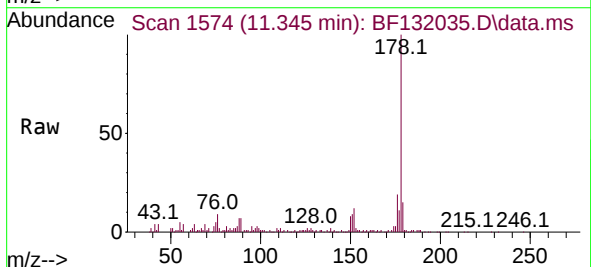
Manual Integrations
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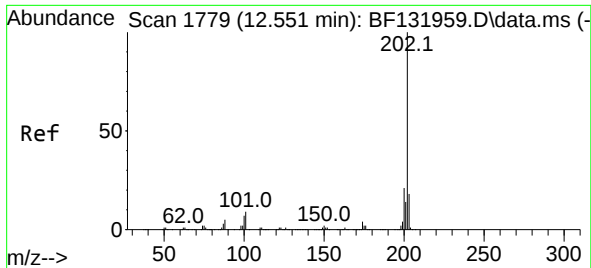
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#71
Phenanthrene
Concen: 5.311 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

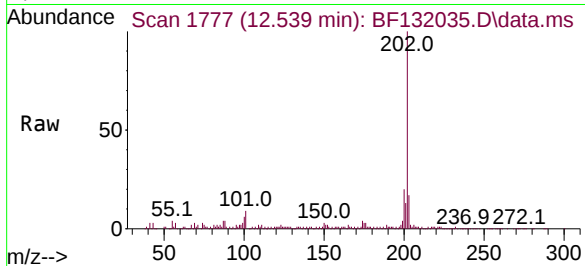
Tgt Ion:178 Resp: 52536
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.8 12.4 18.6





#75
Fluoranthene
Concen: 7.452 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

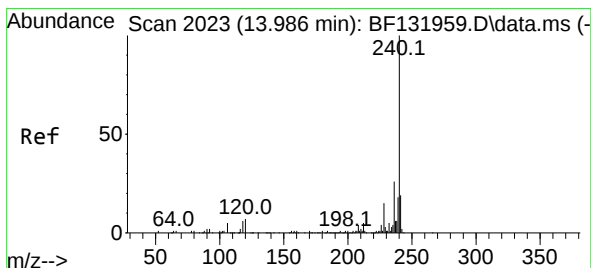
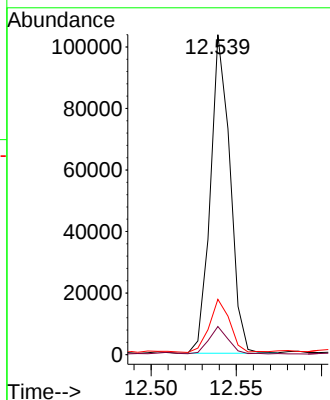
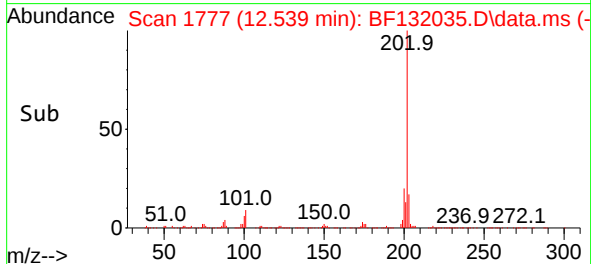
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OK-01-010923



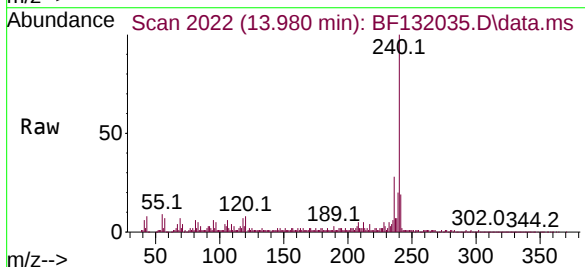
Tgt Ion:202 Resp: 82911
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.8
203 17.3 0.0 37.6

Manual Integrations
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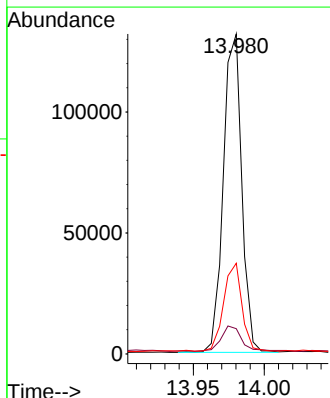
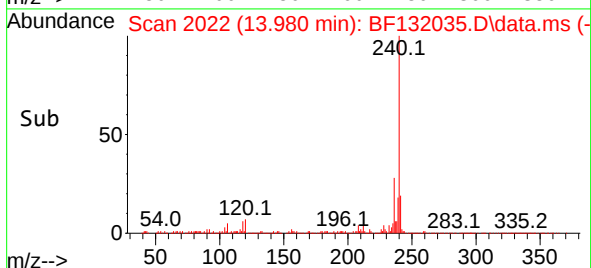
Reviewed By :Christian Giraldo 01/12/2023
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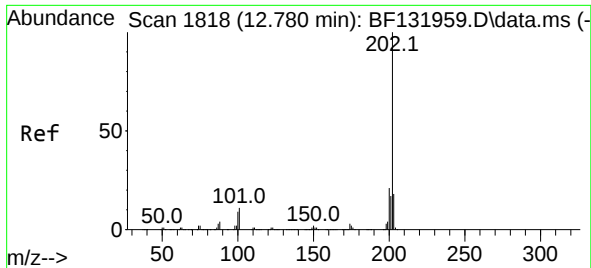


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39



Tgt Ion:240 Resp: 118883
Ion Ratio Lower Upper
240 100
120 7.9 5.4 8.0
236 28.3 21.1 31.7





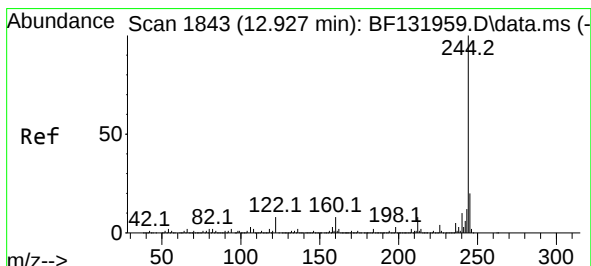
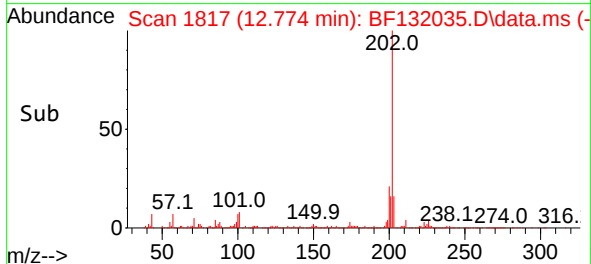
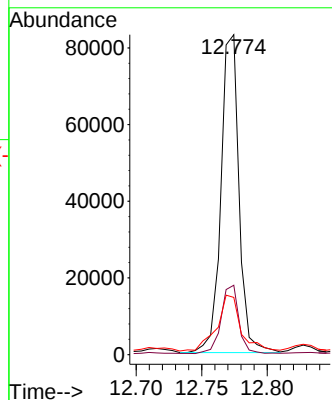
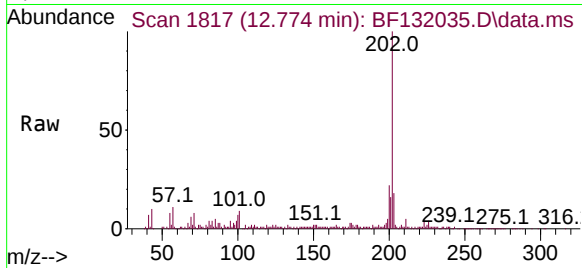
#78
Pyrene
Concen: 7.367 ng
RT: 12.774 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Instrument :
BNA_F
ClientSampleId :
OK-01-010923

Tgt Ion:202 Resp: 79874
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 17.9 14.1 21.1

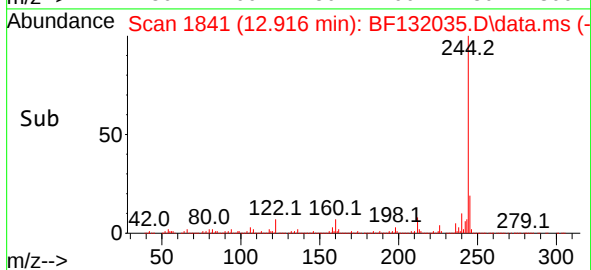
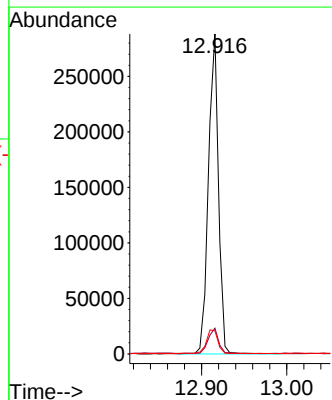
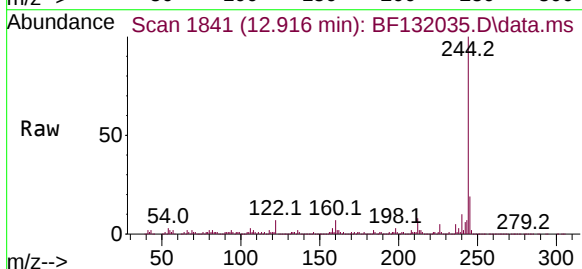
Manual Integrations
APPROVED

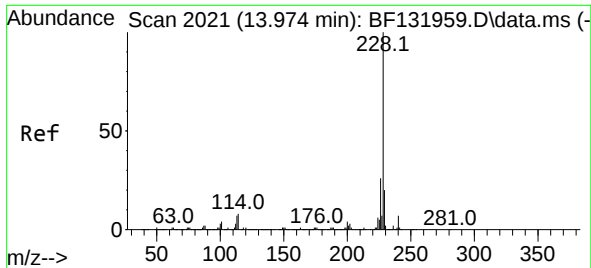
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#79
Terphenyl-d14
Concen: 28.481 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:244 Resp: 236232
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 7.2 6.8 10.2





#81
Benzo(a)anthracene
Concen: 2.927 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

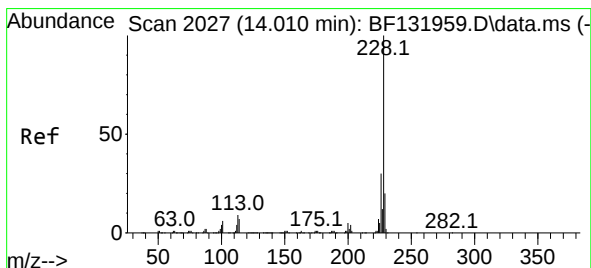
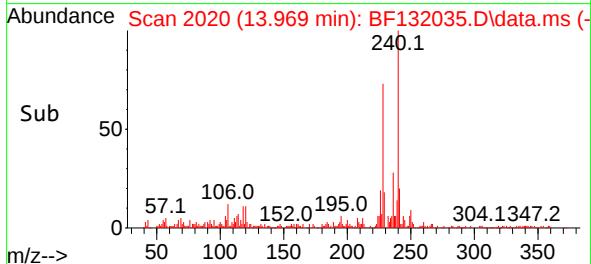
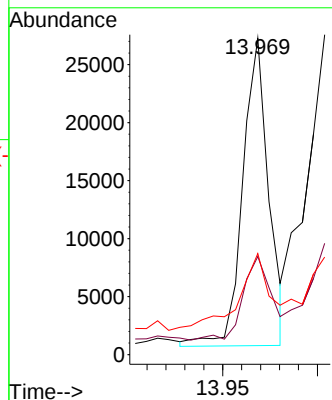
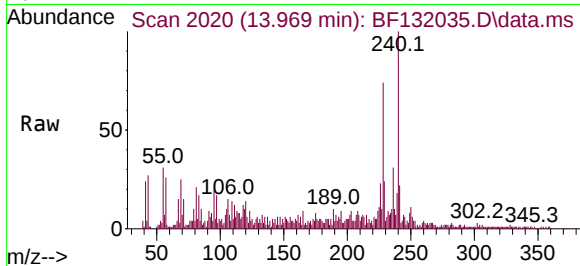
OK-01-010923

Tgt Ion:228 Resp: 25315
Ion Ratio Lower Upper
228 100
226 31.0 21.0 31.4
229 31.9 15.8 23.6

Manual Integrations

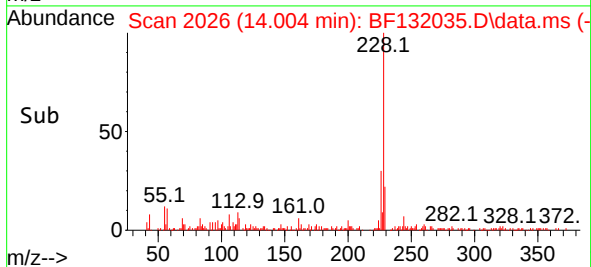
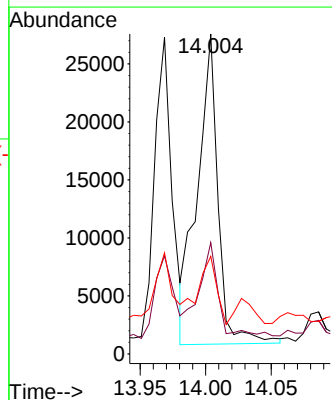
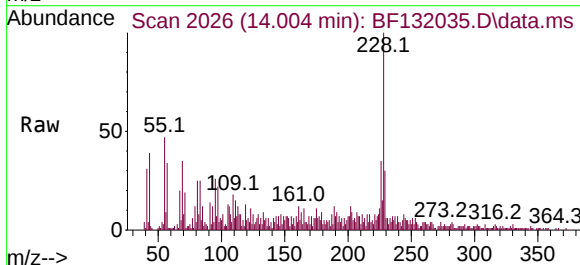
APPROVED

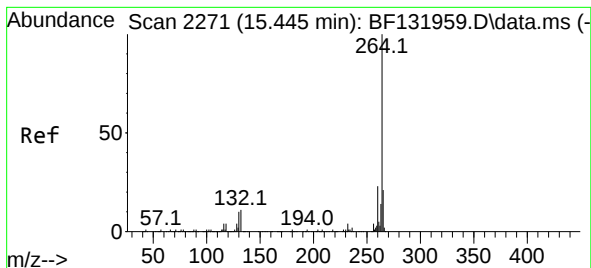
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#83
Chrysene
Concen: 3.640 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF132035.D
Acq: 11 Jan 2023 21:39

Tgt Ion:228 Resp: 29425
Ion Ratio Lower Upper
228 100
226 34.8 24.0 36.0
229 30.5 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

Tgt Ion:264 Resp: 95904

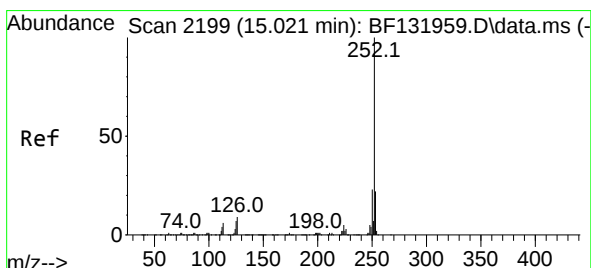
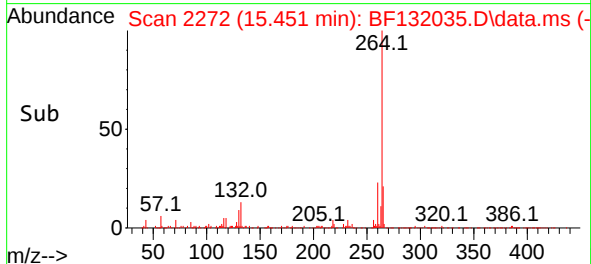
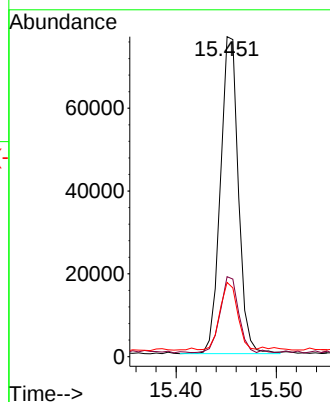
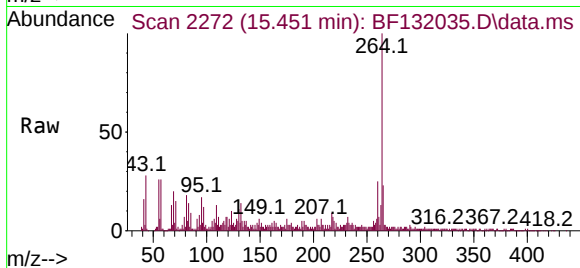
Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.3	27.5
265	23.2	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023



#88

Benzo(b)fluoranthene

Concen: 3.195 ng m

RT: 15.021 min Scan# 2199

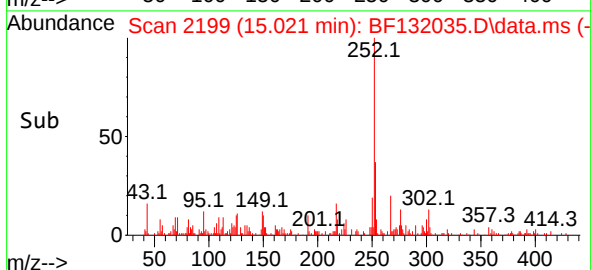
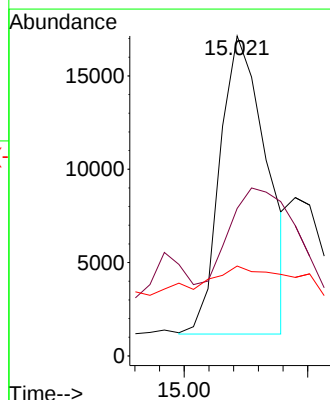
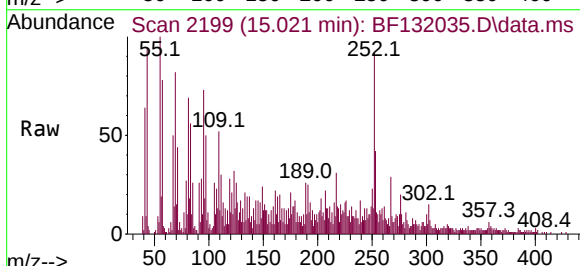
Delta R.T. -0.000 min

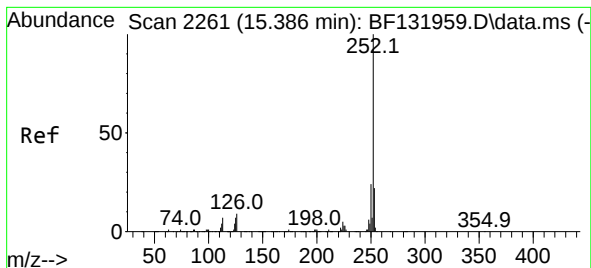
Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Tgt Ion:252 Resp: 21016

Ion	Ratio	Lower	Upper
252	100		
253	46.1	18.0	27.0#
125	28.1	5.8	8.6#





#90

Benzo(a)pyrene

Concen: 2.684 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.000 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Instrument :

BNA_F

ClientSampleId :

OK-01-010923

Tgt Ion:252 Resp: 15906

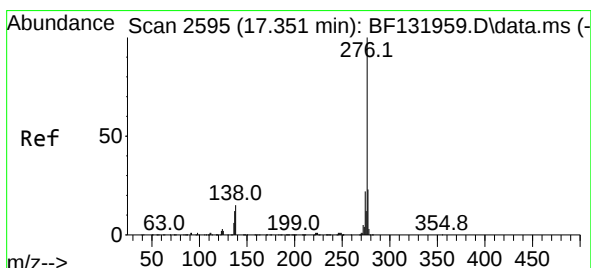
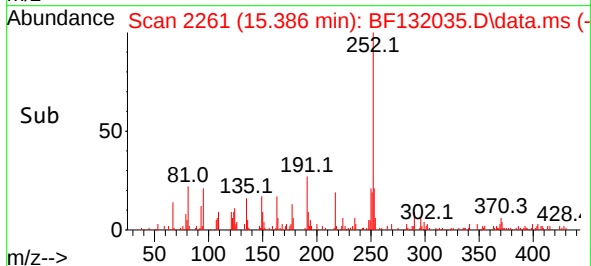
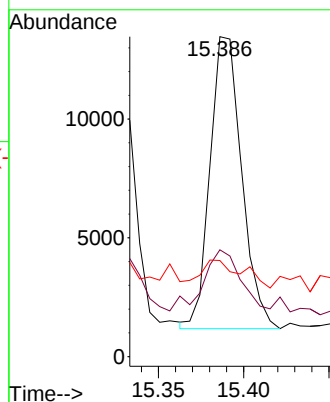
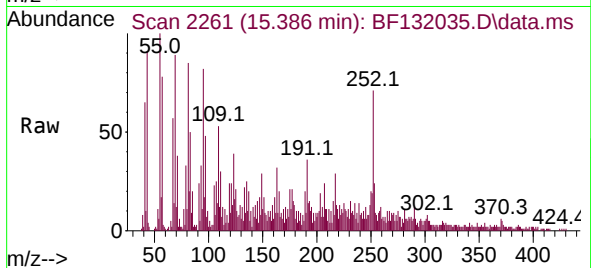
Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.4	26.0
125	30.0	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023



#92

Benzo(g,h,i)perylene

Concen: 5.535 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.017 min

Lab File: BF132035.D

Acq: 11 Jan 2023 21:39

Tgt Ion:276 Resp: 11455

Ion	Ratio	Lower	Upper
276	100		
277	37.0	18.2	27.2
138	21.5	11.7	17.5

