

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131982.D
 Acq On : 10 Jan 2023 01:16
 Operator : CG\JU
 Sample : N6243-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2023
 Supervised By : Jagrut Upadhyay 01/10/2023

Quant Time: Jan 10 03:17:44 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	6.786	152	70231	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	242477	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	117985	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	171944	20.000	ng	0.00
76) Chrysene-d12	13.986	240	131587	20.000	ng	# 0.00
86) Perylene-d12	15.456	264	108679	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	385292	90.398	ng	0.01
7) Phenol-d6	6.428	99	482615	85.402	ng	0.00
23) Nitrobenzene-d5	7.357	82	355951	60.926	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	89197	65.752	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	572352	65.487	ng	0.00
79) Terphenyl-d14	12.921	244	430648	46.907	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.545	202	32396	3.214	ng	91
78) Pyrene	12.780	202	31540	2.628	ng	# 91
81) Benzo(a)anthracene	13.974	228	26546	2.773	ng	# 89
83) Chrysene	14.010	228	42524	4.753	ng	# 95
88) Benzo(b)fluoranthene	15.027	252	26235m	3.520	ng	
90) Benzo(a)pyrene	15.392	252	15535	2.313	ng	# 53
92) Benzo(g,h,i)perylene	17.362	276	12343	5.436	ng	# 90

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

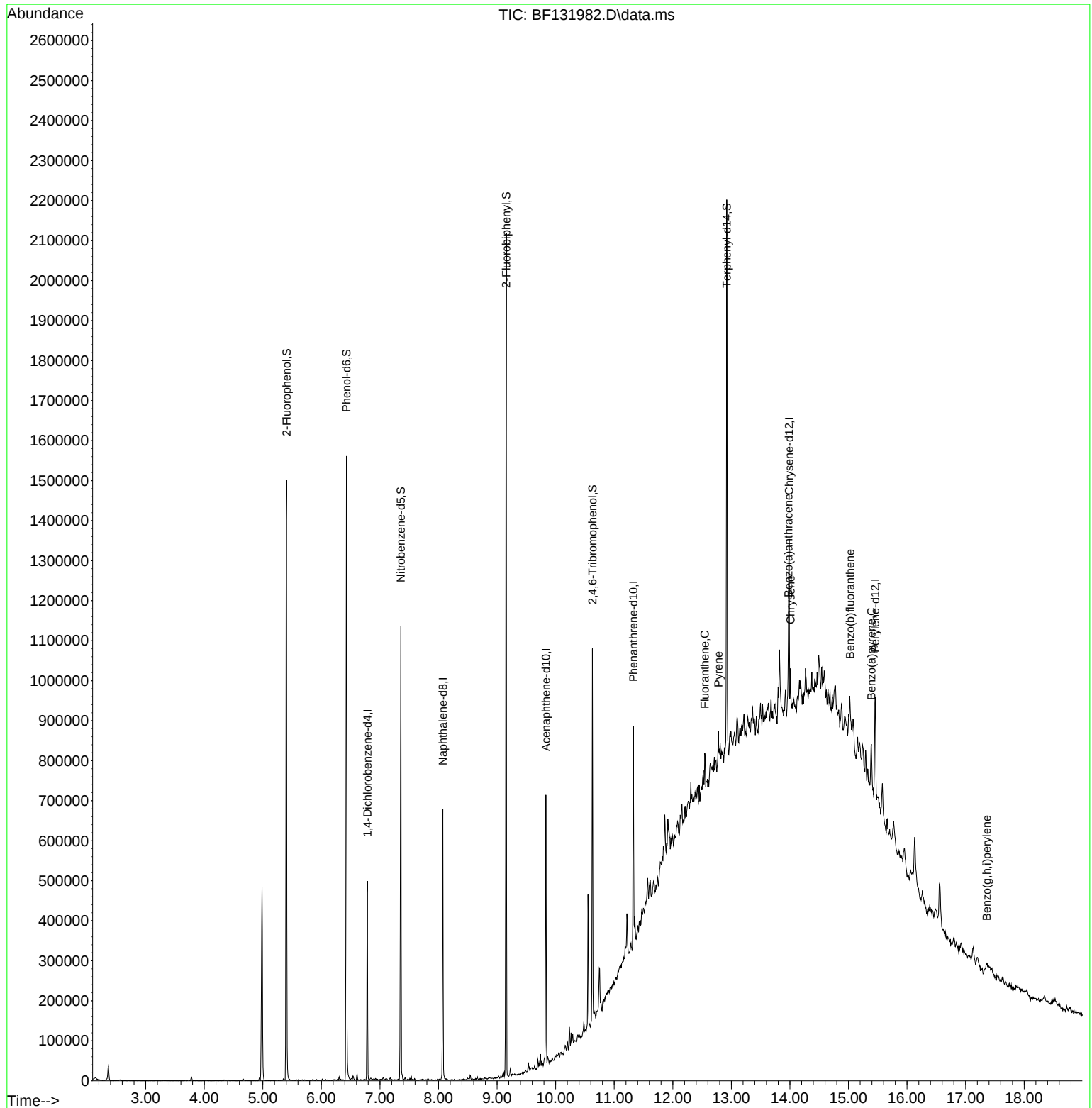
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131982.D
Acq On : 10 Jan 2023 01:16
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Sample : N6243-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

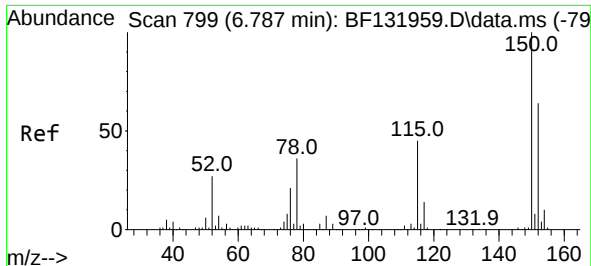
Instrument :
BNA_F
ClientSampleId :
PE-8

Quant Time: Jan 10 03:17:44 2023
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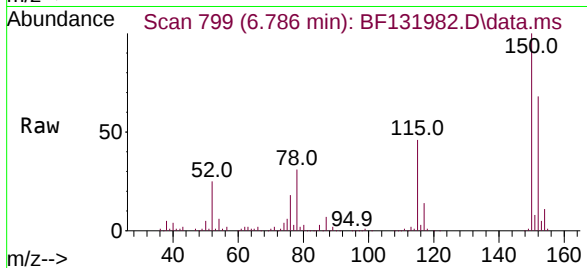
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

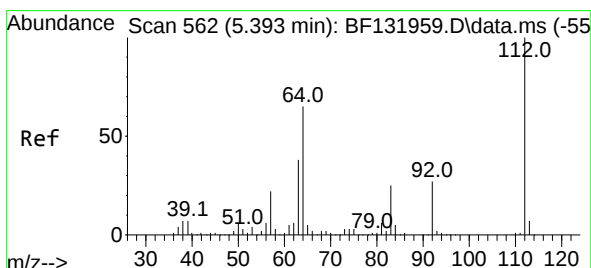
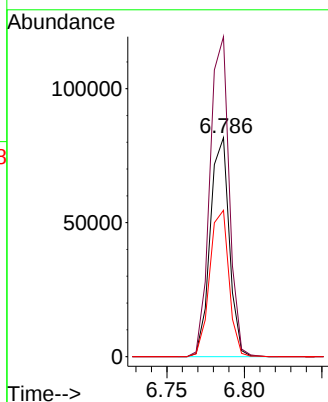
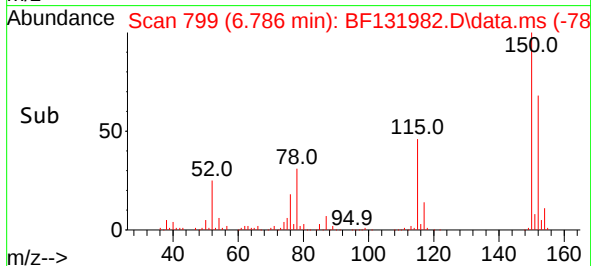
Instrument :
BNA_F
ClientSampleId :
PE-8



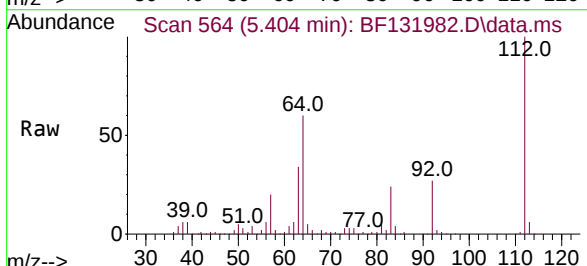
Tgt Ion:152 Resp: 70231
Ion Ratio Lower Upper
152 100
150 146.2 124.6 186.8
115 66.8 55.6 83.4

Manual Integrations
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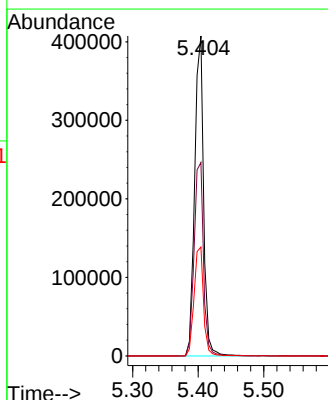
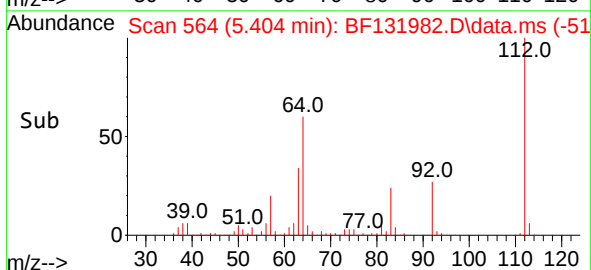
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

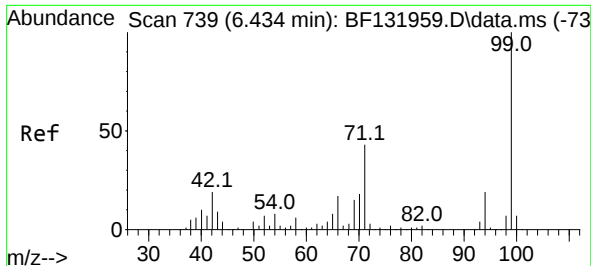


#5
2-Fluorophenol
Concen: 90.398 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16



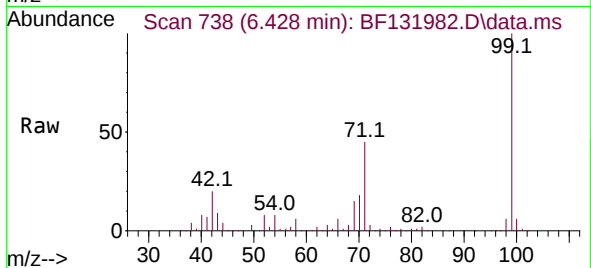
Tgt Ion:112 Resp: 385292
Ion Ratio Lower Upper
112 100
64 60.4 51.9 77.9
63 34.0 30.2 45.2





#7
Phenol-d6
Concen: 85.402 ng
RT: 6.428 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

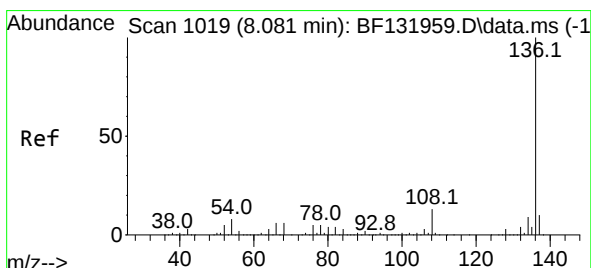
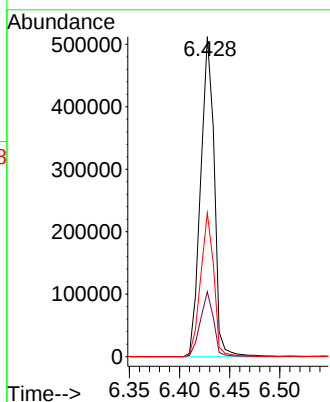
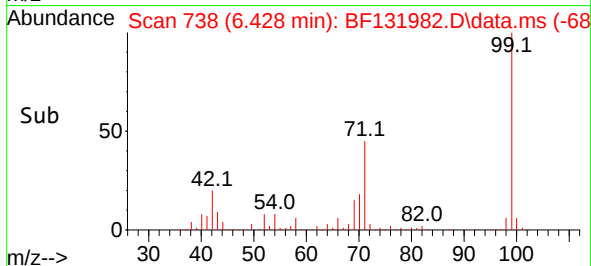
Instrument :
BNA_F
ClientSampleId :
PE-8



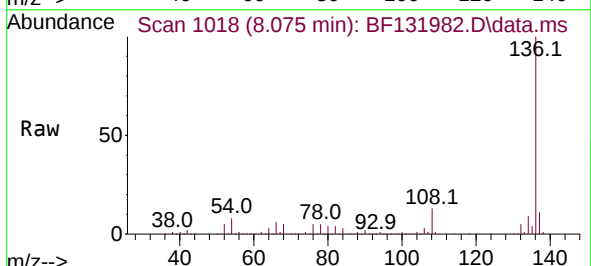
Tgt Ion: 99 Resp: 482615
Ion Ratio Lower Upper
99 100
42 20.3 15.4 23.2
71 44.9 34.6 51.8

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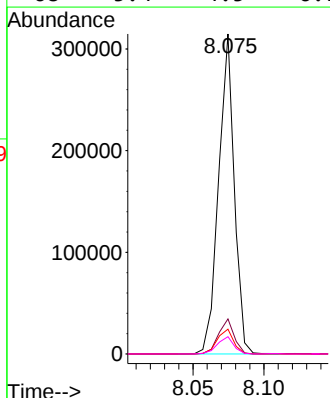
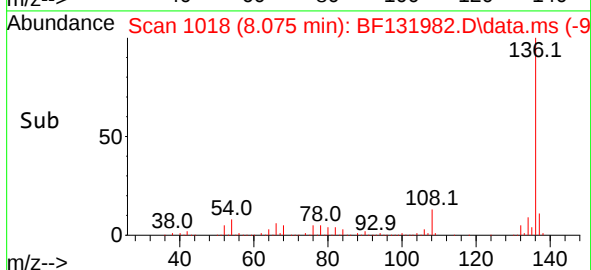
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

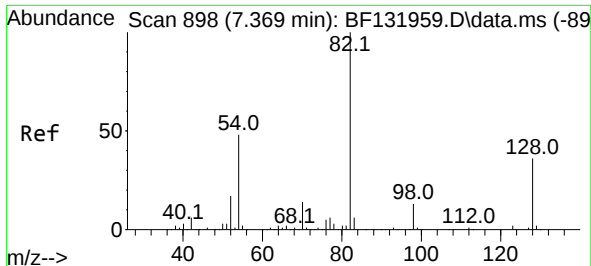


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16



Tgt Ion:136 Resp: 242477
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 7.7 6.6 9.8
68 5.4 4.5 6.7





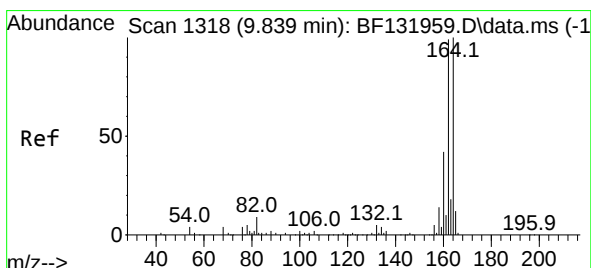
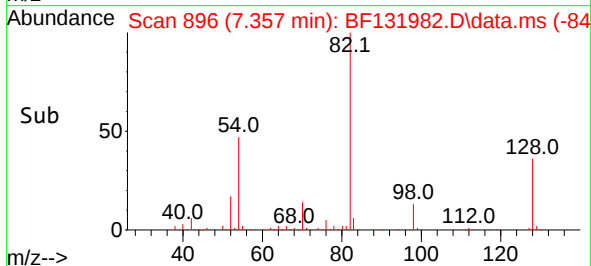
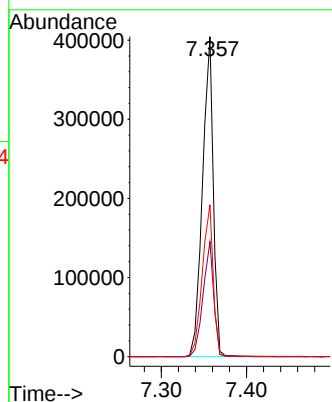
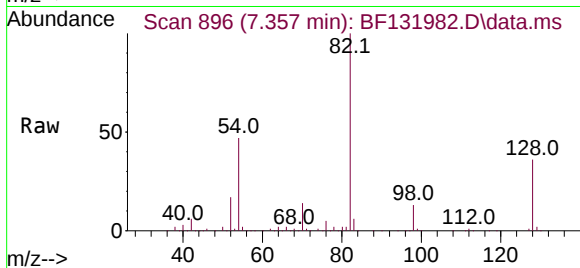
#23
Nitrobenzene-d5
Concen: 60.926 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

Instrument :
BNA_F
Client SampleId :
PE-8

Tgt Ion: 82 Resp: 35595
Ion Ratio Lower Upper
82 100
128 35.9 28.7 43.1
54 47.4 38.1 57.1

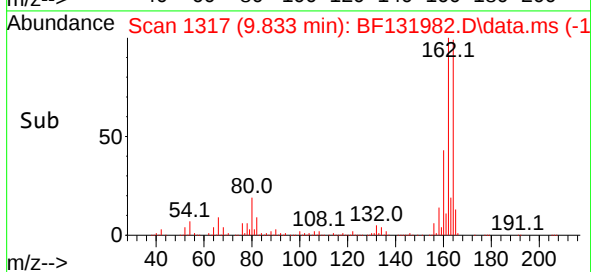
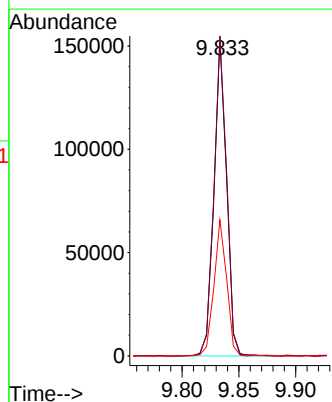
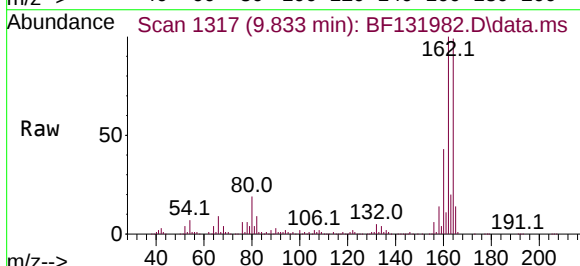
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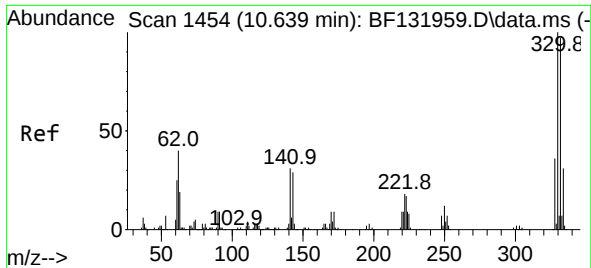
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

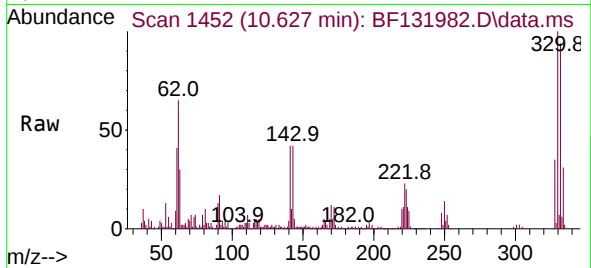
Tgt Ion:164 Resp: 117985
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.0
160 42.9 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 65.752 ng
RT: 10.627 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

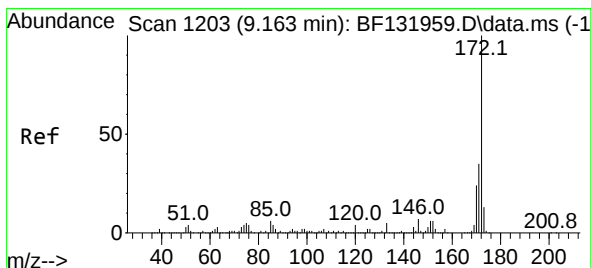
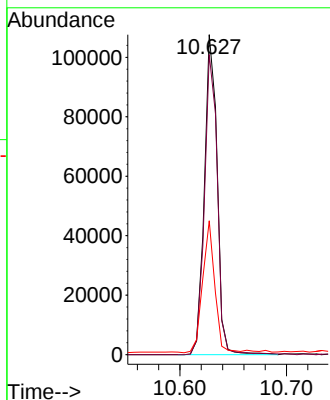
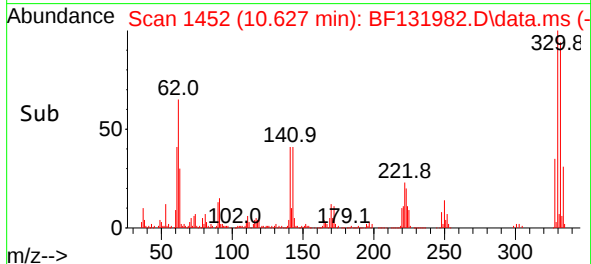
Instrument :
BNA_F
ClientSampleId :
PE-8



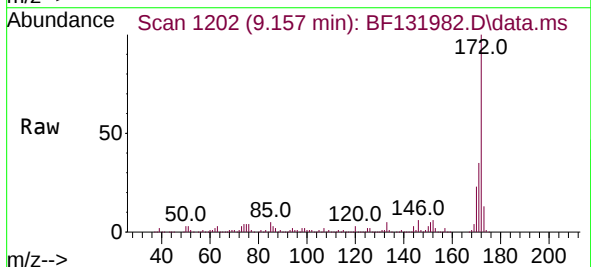
Tgt Ion: 330 Resp: 89197
Ion Ratio Lower Upper
330 100
332 95.3 76.9 115.3
141 39.1 31.3 46.9

Manual Integrations
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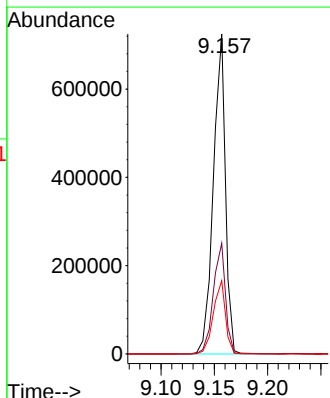
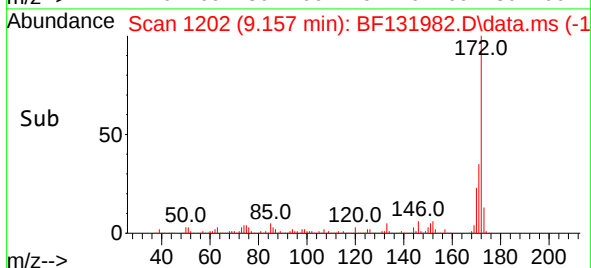
Reviewed By : Christian Giraldo 01/10/2023
Supervised By : Jagrut Upadhyay 01/10/2023

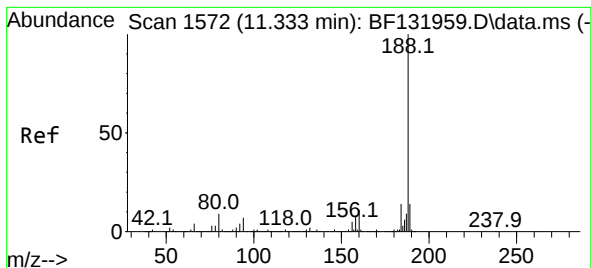


#45
2-Fluorobiphenyl
Concen: 65.487 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16



Tgt Ion: 172 Resp: 572352
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.9 18.9 28.3





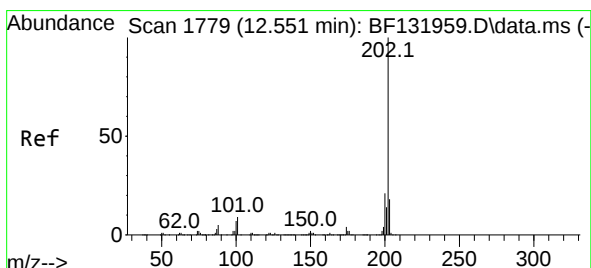
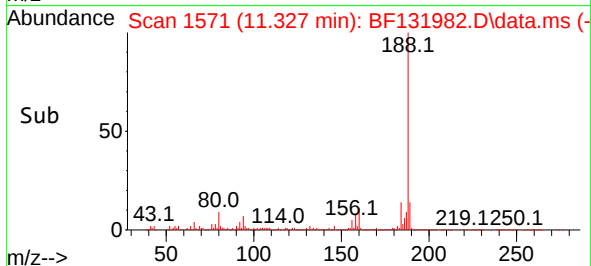
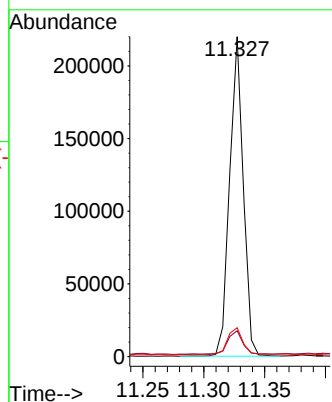
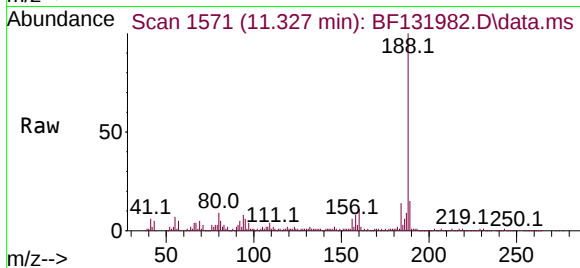
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

Instrument :
BNA_F
ClientSampleId :
PE-8

Tgt Ion:188 Resp: 171944
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.6
80 9.0 7.4 11.0

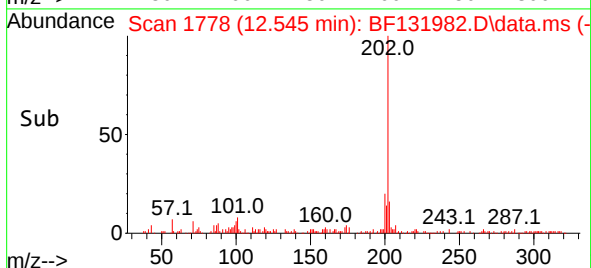
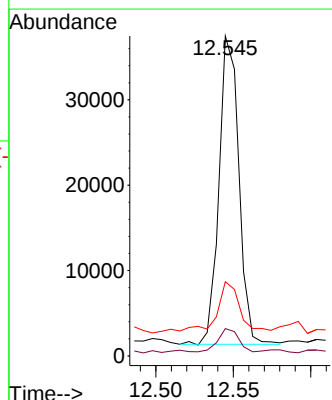
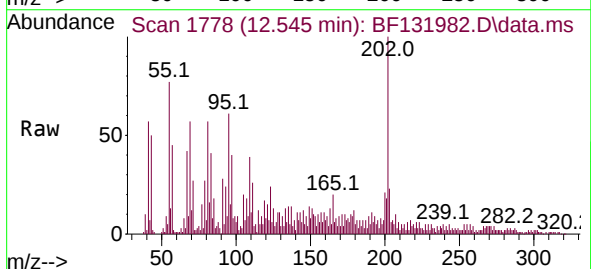
Manual Integrations
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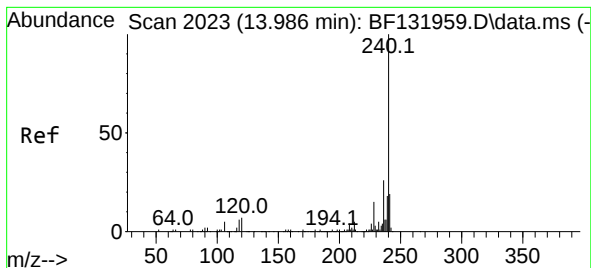
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#75
Fluoranthene
Concen: 3.214 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

Tgt Ion:202 Resp: 32396
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.8
203 23.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF131982.D

Acq: 10 Jan 2023 01:16

Instrument :

BNA_F

ClientSampleId :

PE-8

Tgt Ion:240 Resp: 131587

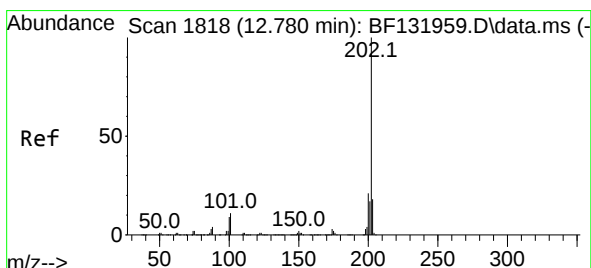
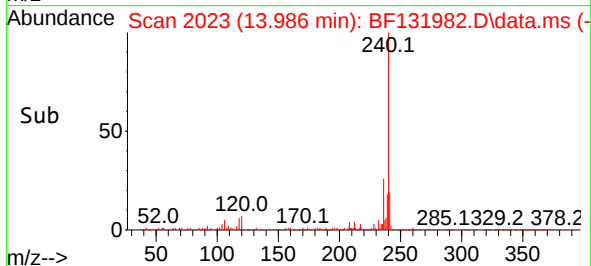
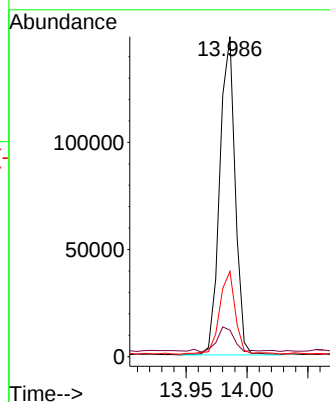
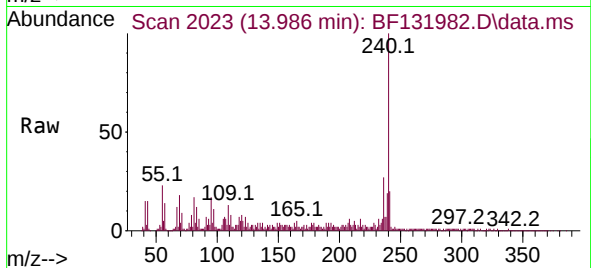
Ion	Ratio	Lower	Upper
240	100		
120	8.3	5.4	8.0
236	26.6	21.1	31.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#78

Pyrene

Concen: 2.628 ng

RT: 12.780 min Scan# 1818

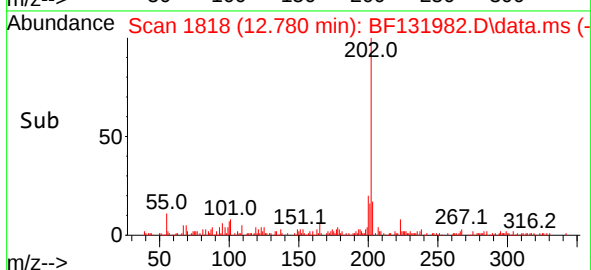
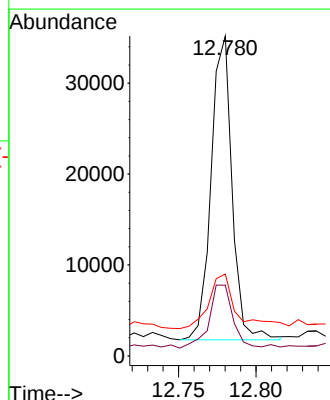
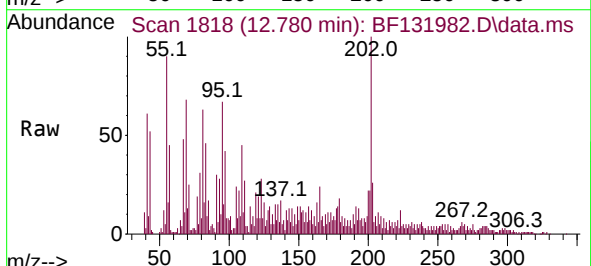
Delta R.T. -0.000 min

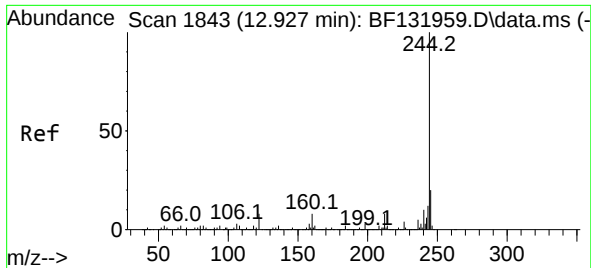
Lab File: BF131982.D

Acq: 10 Jan 2023 01:16

Tgt Ion:202 Resp: 31540

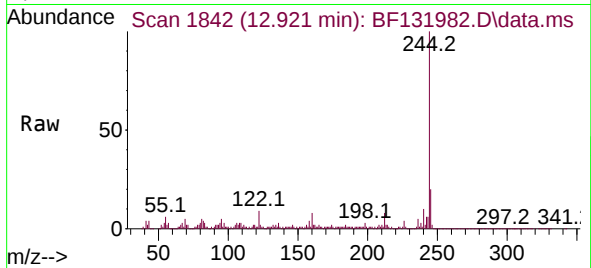
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.0	25.6
203	25.6	14.1	21.1





#79
Terphenyl-d14
Concen: 46.907 ng
RT: 12.921 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

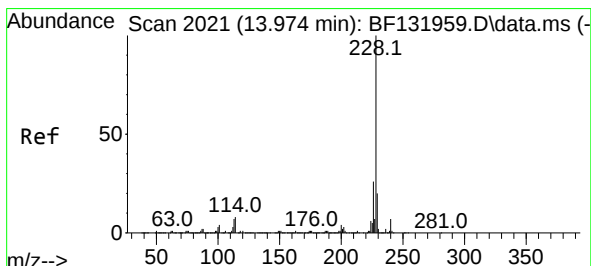
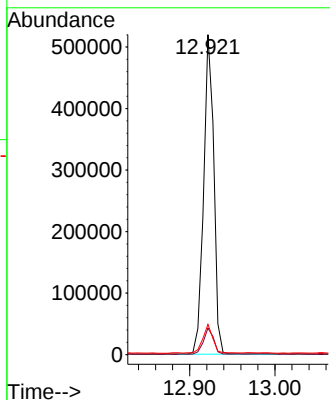
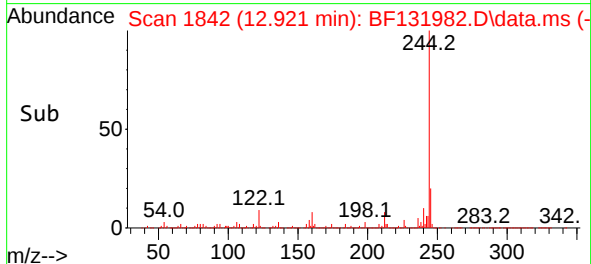
Instrument :
BNA_F
ClientSampleId :
PE-8



Tgt Ion:244 Resp: 430648
Ion Ratio Lower Upper
244 100
212 8.3 6.3 9.5
122 9.4 6.8 10.2

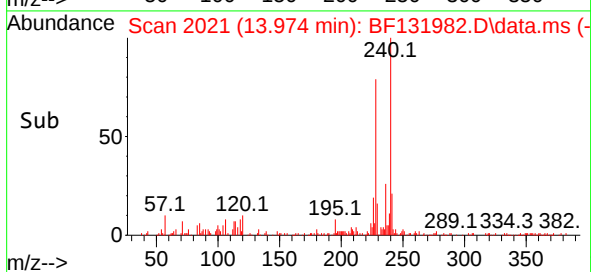
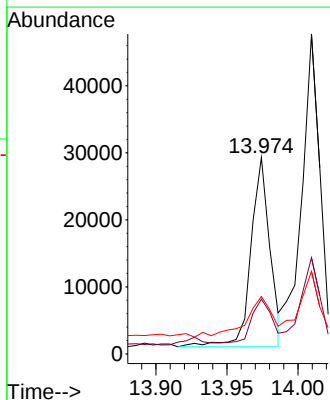
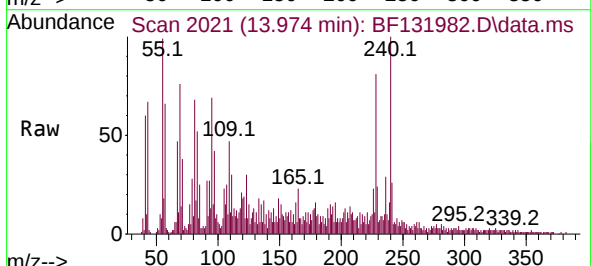
Manual Integrations
APPROVED

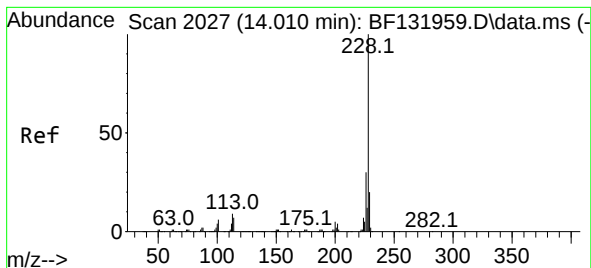
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#81
Benzo(a)anthracene
Concen: 2.773 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

Tgt Ion:228 Resp: 26546
Ion Ratio Lower Upper
228 100
226 27.9 21.0 31.4
229 29.2 15.8 23.6#





#83

Chrysene

Concen: 4.753 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF131982.D

Acq: 10 Jan 2023 01:16

Instrument :

BNA_F

ClientSampleId :

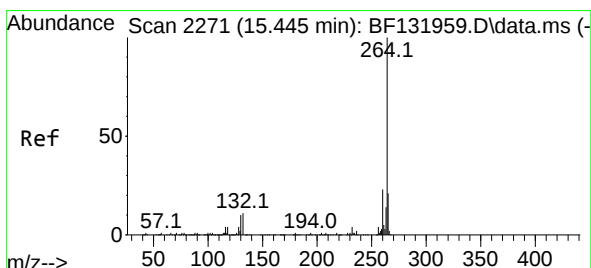
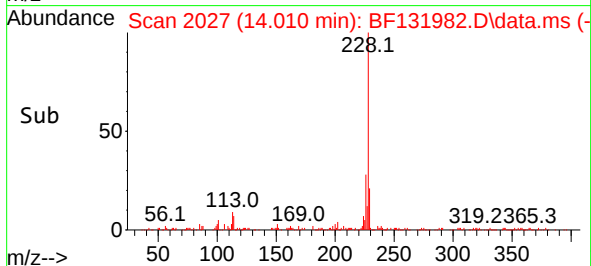
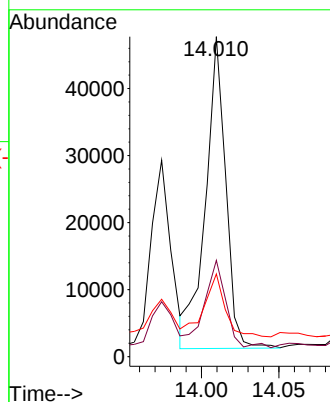
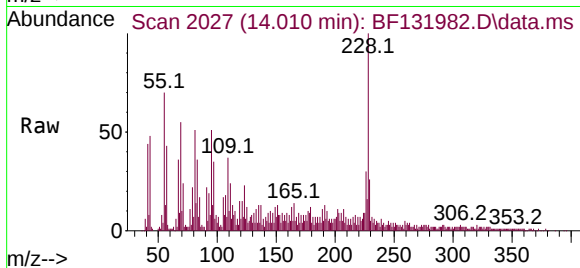
PE-8

Tgt Ion:228	Resp:	42524
Ion Ratio	Lower	Upper
228	100	
226	30.1	24.0 36.0
229	25.8	16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#86

Perylene-d12

Concen: 20.000 ng

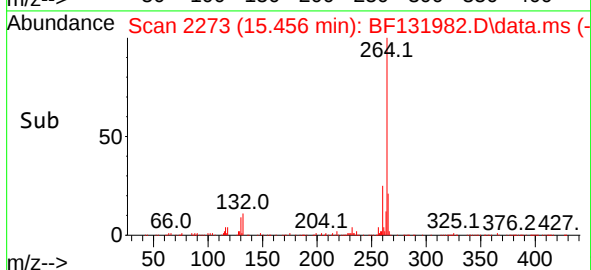
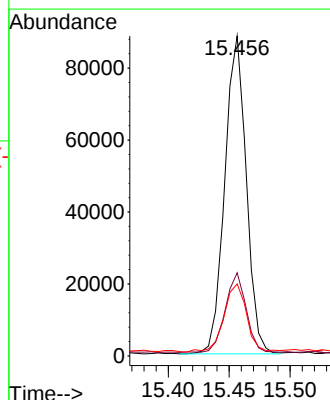
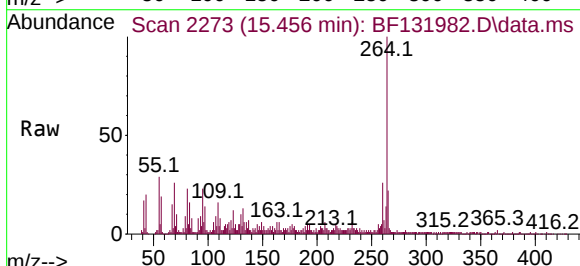
RT: 15.456 min Scan# 2273

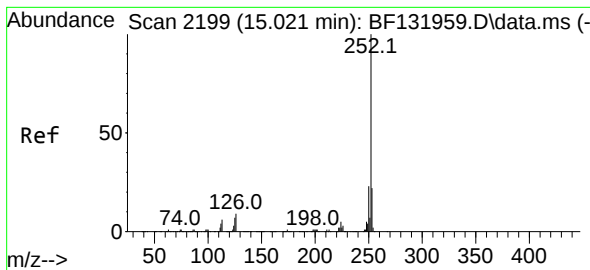
Delta R.T. 0.012 min

Lab File: BF131982.D

Acq: 10 Jan 2023 01:16

Tgt Ion:264	Resp:	108679
Ion Ratio	Lower	Upper
264	100	
260	26.0	18.3 27.5
265	22.5	16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 3.520 ng m

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF131982.D

Acq: 10 Jan 2023 01:16

Instrument :

BNA_F

ClientSampleId :

PE-8

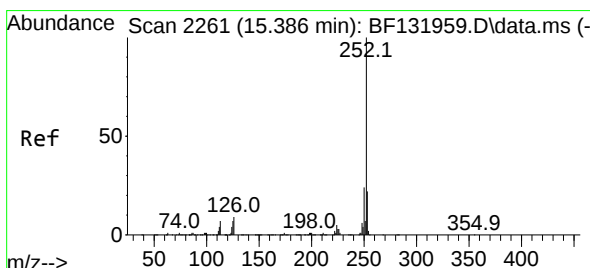
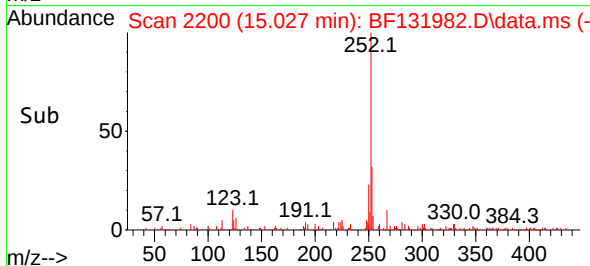
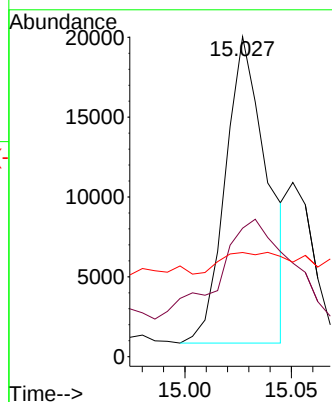
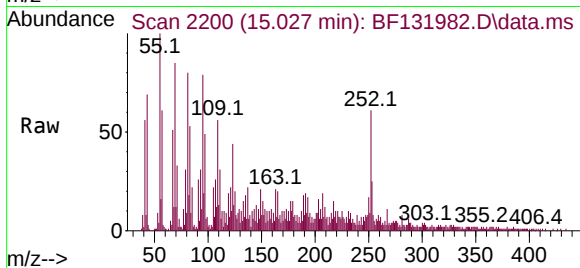
Tgt Ion:252	Resp:	26235
Ion Ratio	Lower	Upper
252	100	
253	40.1	18.0 27.0
125	32.5	5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#90

Benzo(a)pyrene

Concen: 2.313 ng

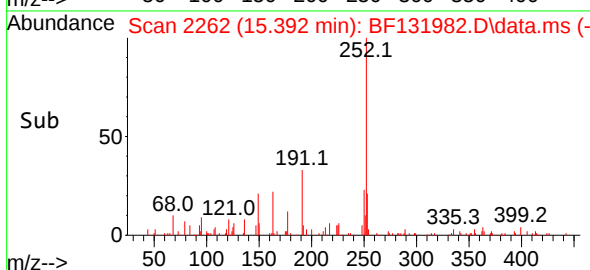
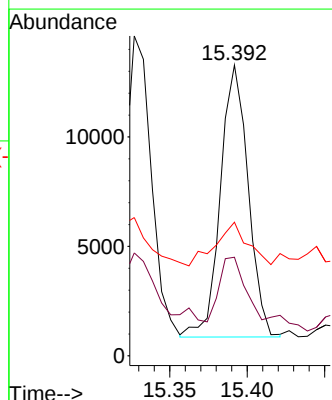
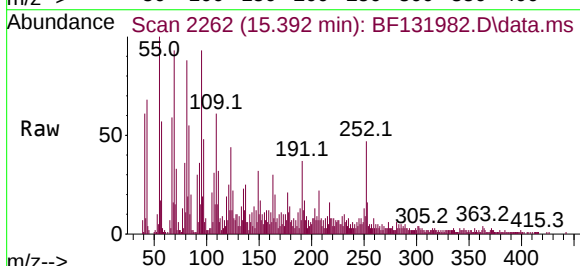
RT: 15.392 min Scan# 2262

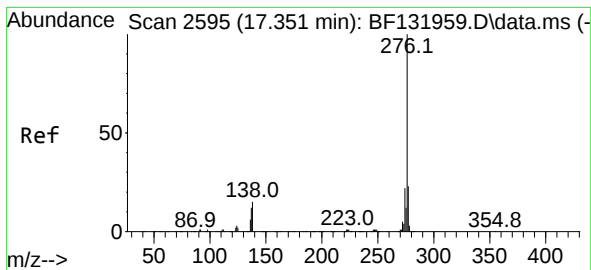
Delta R.T. 0.006 min

Lab File: BF131982.D

Acq: 10 Jan 2023 01:16

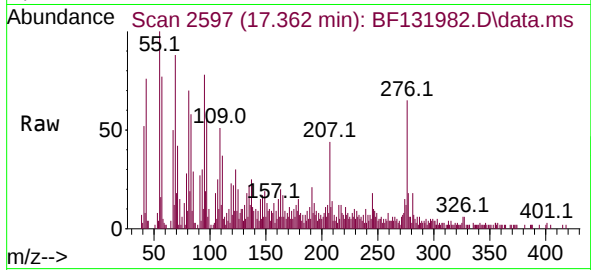
Tgt Ion:252	Resp:	15535
Ion Ratio	Lower	Upper
252	100	
253	33.9	17.4 26.0
125	46.0	5.7 8.5





#92
Benzo(g,h,i)perylene
Concen: 5.436 ng
RT: 17.362 min Scan# 2597
Delta R.T. 0.011 min
Lab File: BF131982.D
Acq: 10 Jan 2023 01:16

Instrument :
BNA_F
ClientSampleId :
PE-8



Tgt Ion:	276	Resp:	1234
Ion Ratio	Lower	Upper	
276	100		
277	28.3	18.2	27.2
138	17.6	11.7	17.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

