

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133529.D
 Acq On : 30 May 2023 18:53
 Operator : CG\JU
 Sample : 02965-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-338

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/31/2023
 Supervised By : Yogesh Patel 06/01/2023

Quant Time: May 31 05:21:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	151751	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	575049	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	280716	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	541276	20.000	ng	0.00
76) Chrysene-d12	13.998	240	333933	20.000	ng	0.00
86) Perylene-d12	15.451	264	299820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	777942	85.533	ng	0.00
7) Phenol-d6	6.457	99	936298	83.625	ng	0.00
23) Nitrobenzene-d5	7.392	82	586757	68.128	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	242812	86.774	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1018977	56.026	ng	0.00
79) Terphenyl-d14	12.945	244	1119338	59.598	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.151	266	44894	12.490	ng	99
71) Phenanthrene	11.374	178	69200	2.524	ng	98
75) Fluoranthene	12.563	202	172033	5.681	ng	98
78) Pyrene	12.792	202	165688	5.831	ng	98
81) Benzo(a)anthracene	13.986	228	79881	3.591	ng	95
83) Chrysene	14.021	228	91039	4.054	ng	97
84) Bis(2-ethylhexyl)phtha...	13.986	149	38369	2.730	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	48609	2.545	ng	98
88) Benzo(b)fluoranthene	15.027	252	136541m	6.994	ng	
89) Benzo(k)fluoranthene	15.051	252	43491m	2.285	ng	
90) Benzo(a)pyrene	15.386	252	74793	4.210	ng	99
92) Benzo(g,h,i)perylene	17.327	276	41567	2.662	ng	# 91

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

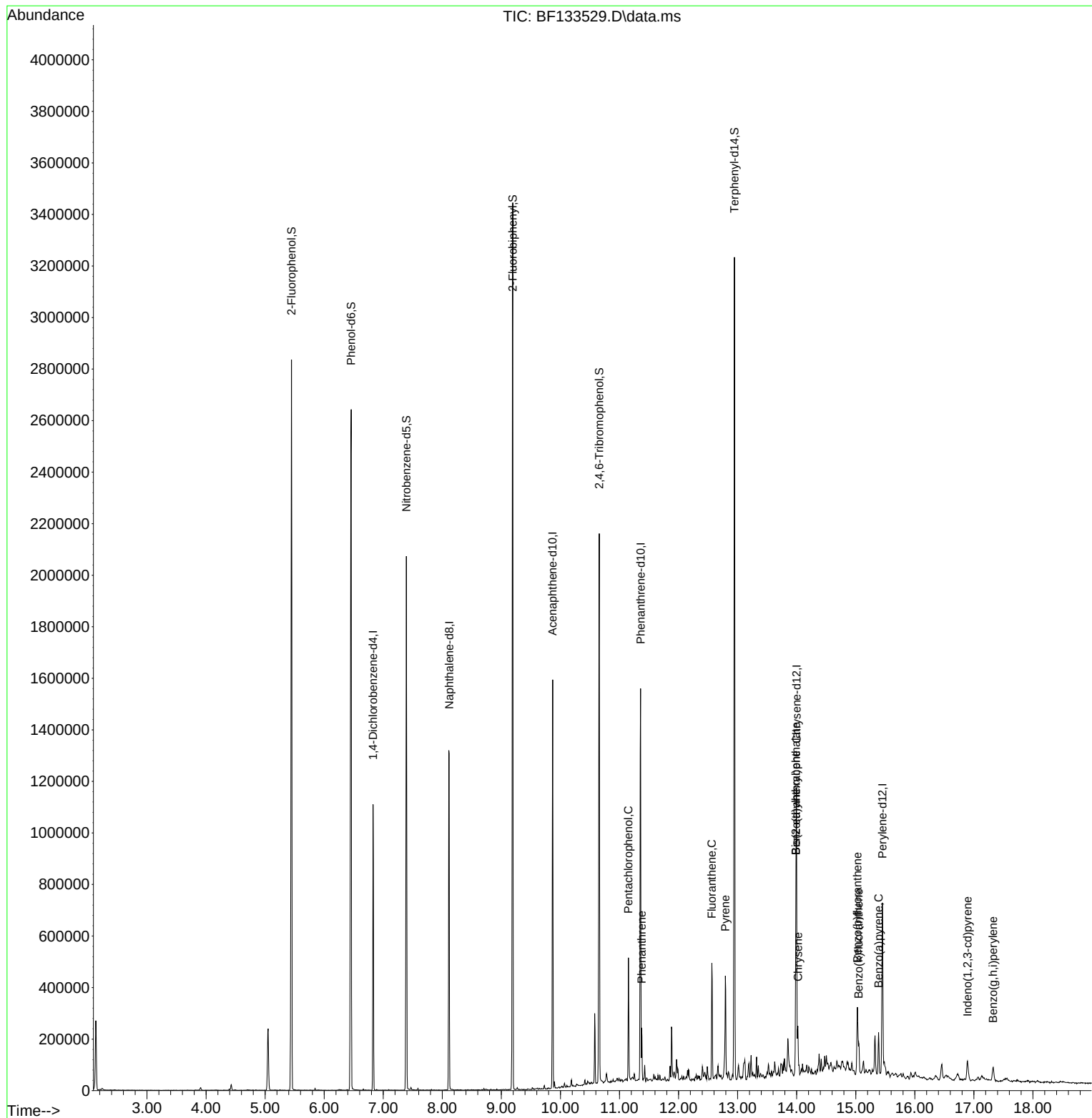
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Data File : BF133529.D
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Operator : CG\JU
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ALS Vial : 15 Sample Multiplier: 1

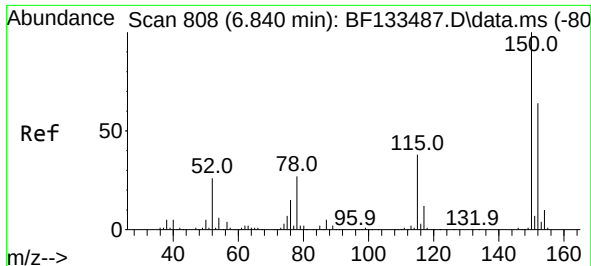
Instrument :
BNA_F
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Quant Time: May 31 05:21:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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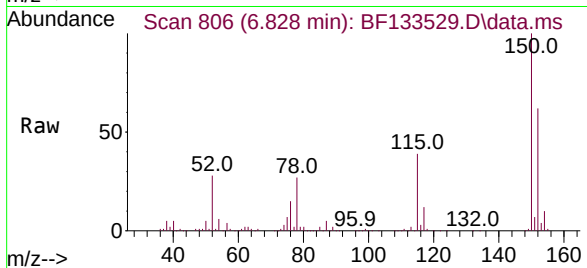
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

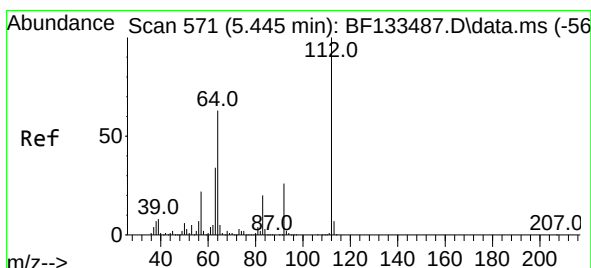
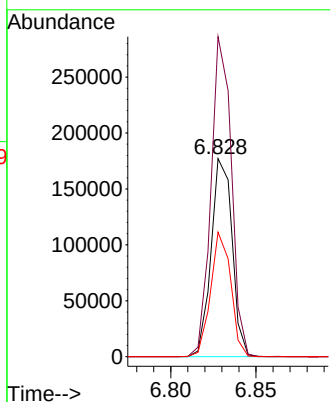
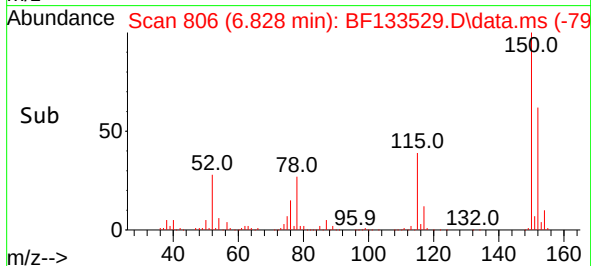
Instrument :
BNA_F
ClientSampleId :
ETGI-338



Tgt Ion:152 Resp: 15175
Ion Ratio Lower Upper
152 100
150 161.6 124.9 187.3
115 62.9 48.1 72.1

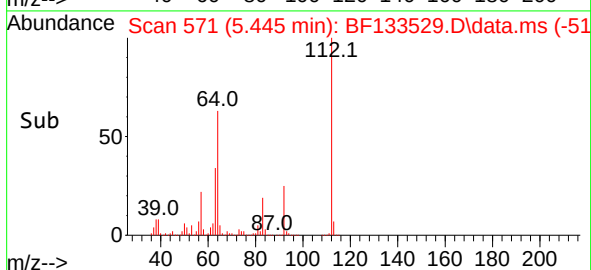
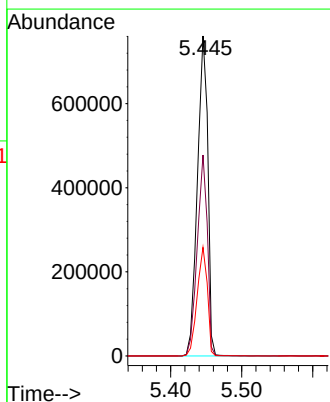
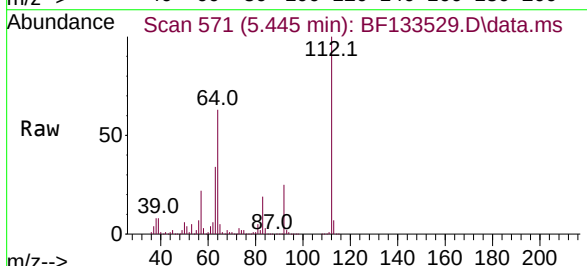
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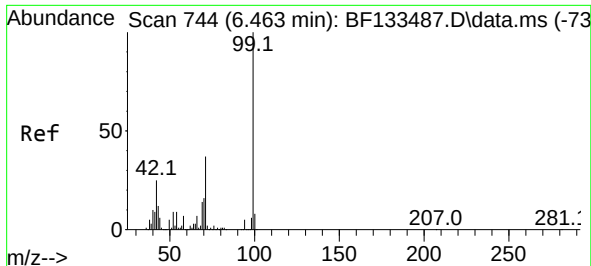
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#5
2-Fluorophenol
Concen: 85.533 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

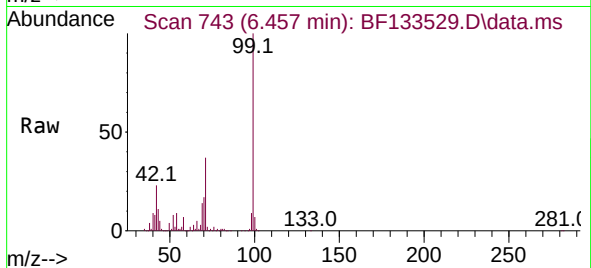
Tgt Ion:112 Resp: 777942
Ion Ratio Lower Upper
112 100
64 62.8 50.1 75.1
63 33.9 27.5 41.3





#7
Phenol-d6
Concen: 83.625 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

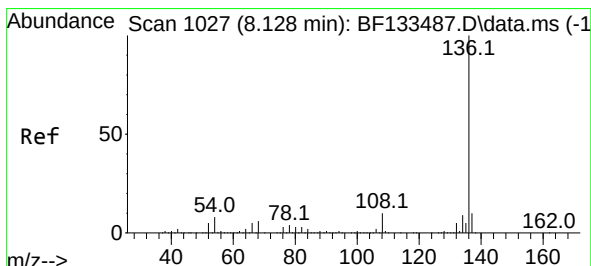
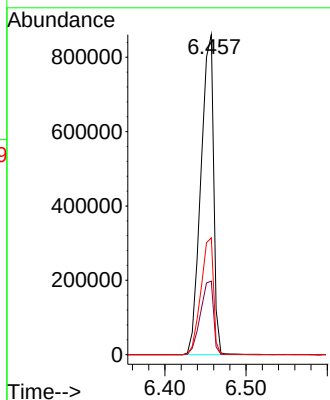
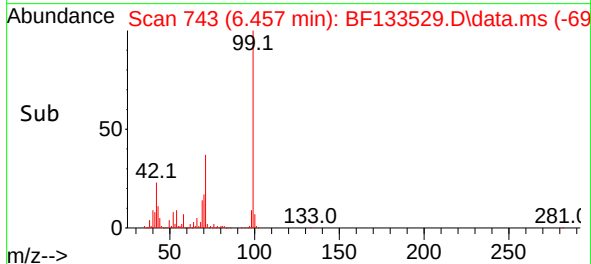
Instrument :
BNA_F
ClientSampleId :
ETGI-338



Tgt Ion: 99 Resp: 936298
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 36.5 29.8 44.8

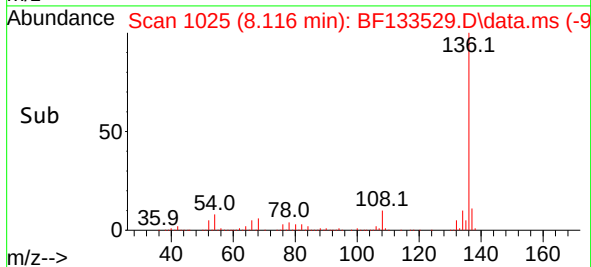
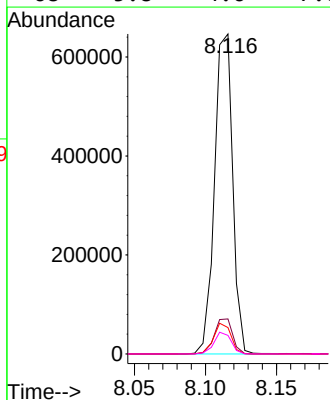
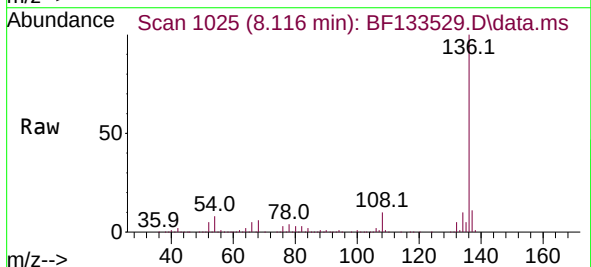
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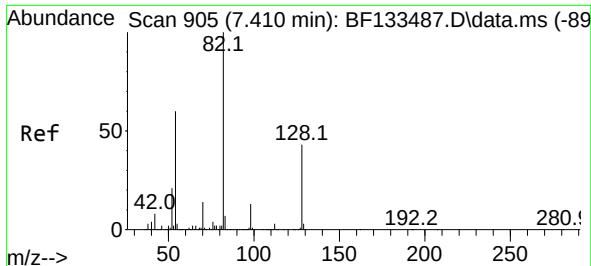
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:136 Resp: 575049
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 8.3 6.6 10.0
68 5.8 4.6 7.0





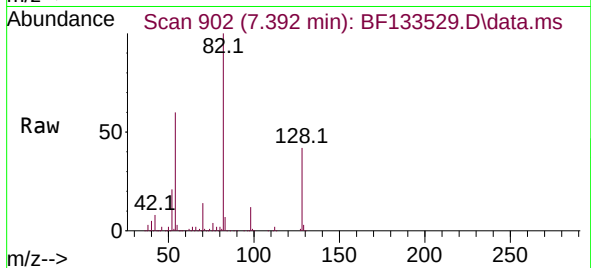
#23
Nitrobenzene-d5
Concen: 68.128 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

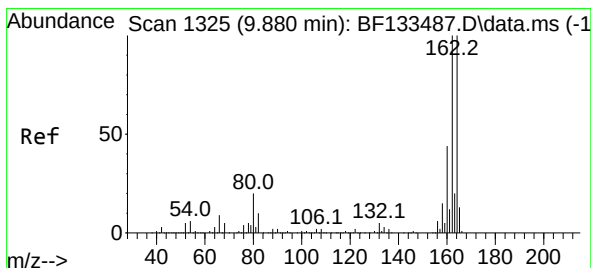
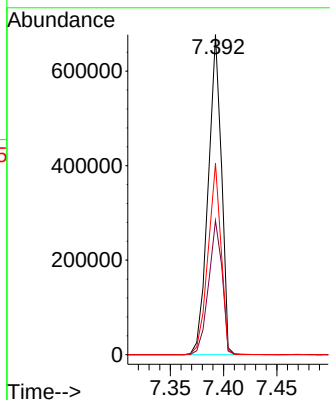
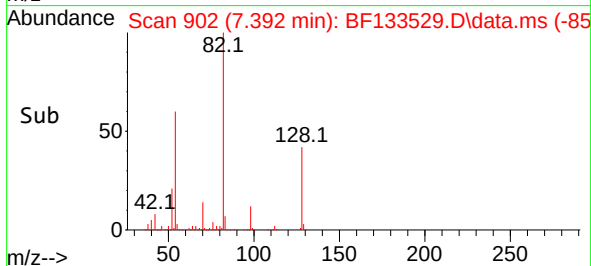


Tgt Ion: 82 Resp: 58675
Ion Ratio Lower Upper
82 100
128 41.9 34.2 51.4
54 59.8 48.2 72.4

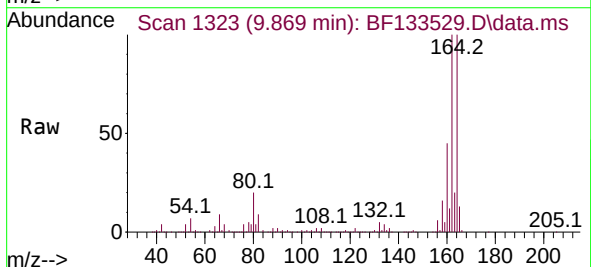
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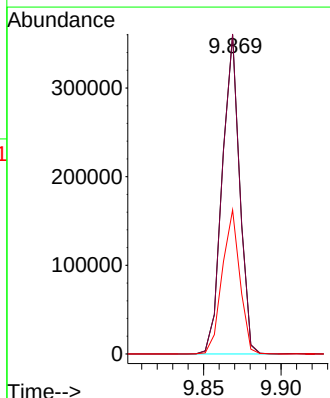
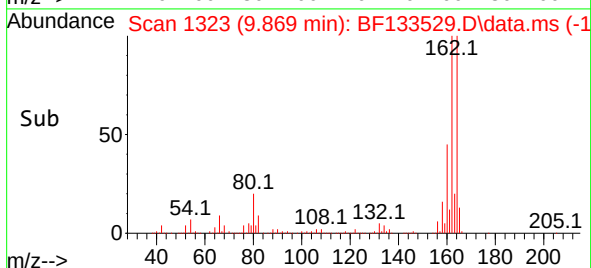
Reviewed By :Christian Giraldo 05/31/2023
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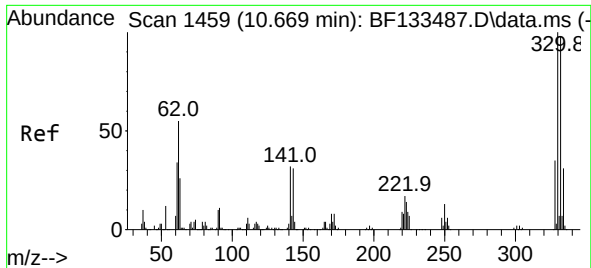


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53



Tgt Ion:164 Resp: 280716
Ion Ratio Lower Upper
164 100
162 100.3 79.7 119.5
160 45.1 35.4 53.0





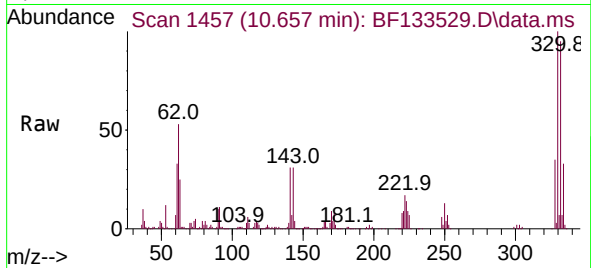
#42
2,4,6-Tribromophenol
Concen: 86.774 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

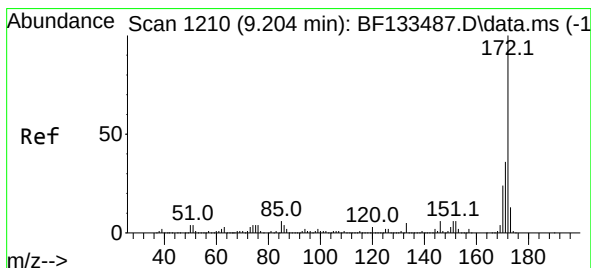
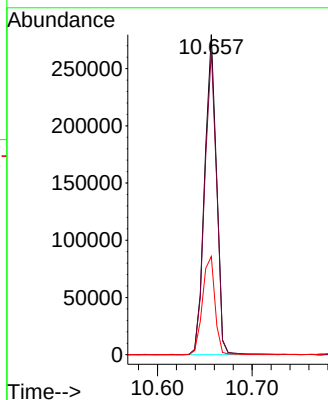
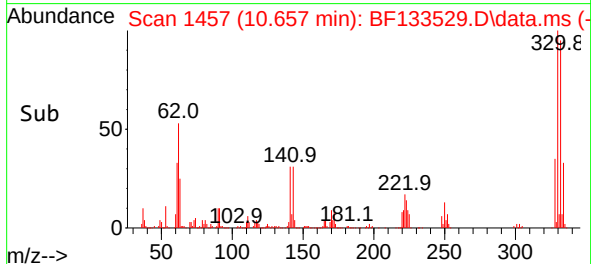


Tgt Ion: 330 Resp: 242812
Ion Ratio Lower Upper
330 100
332 95.6 77.8 116.6
141 32.5 26.6 40.0

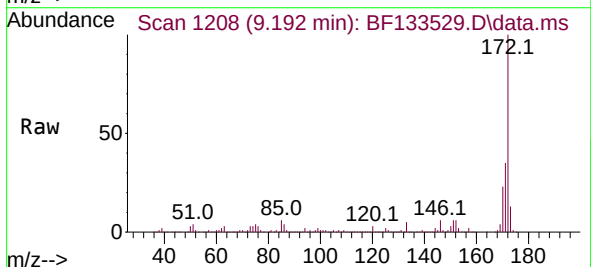
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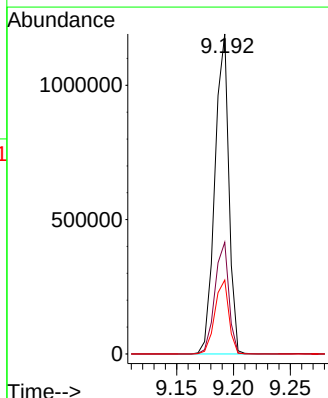
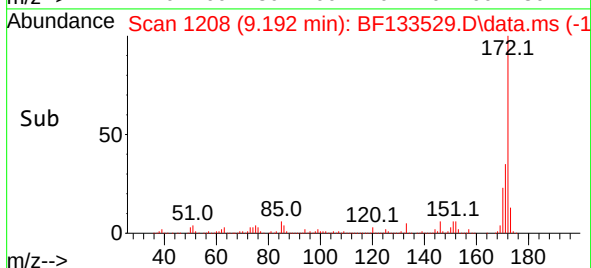
Reviewed By : Christian Giraldo 05/31/2023
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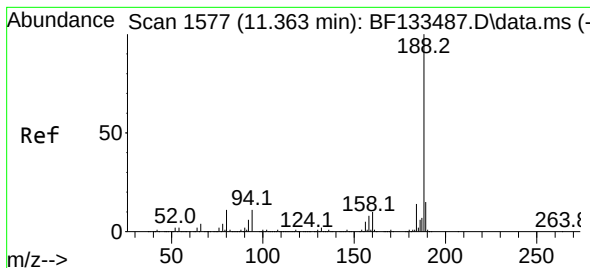


#45
2-Fluorobiphenyl
Concen: 56.026 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53



Tgt Ion: 172 Resp: 1018977
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.1 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

Tgt Ion:188 Resp: 541270

Ion Ratio Lower Upper

188 100

94 9.3 8.6 12.8

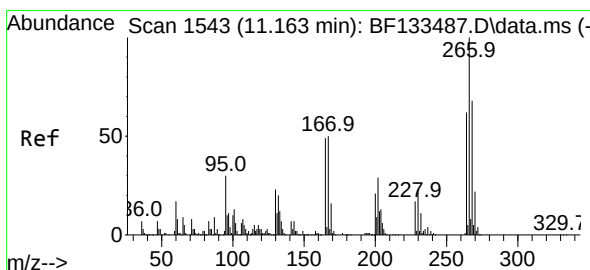
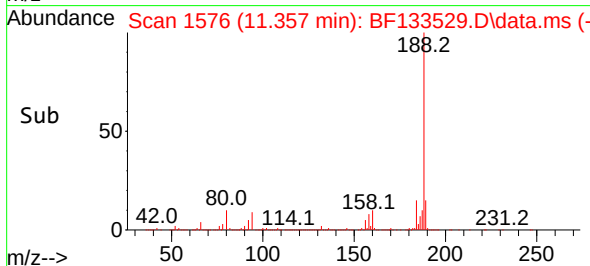
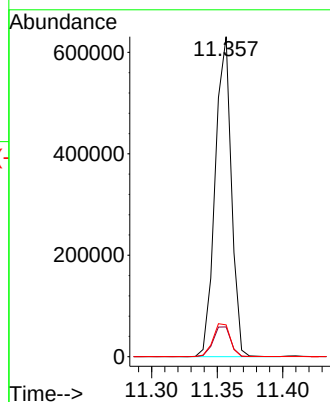
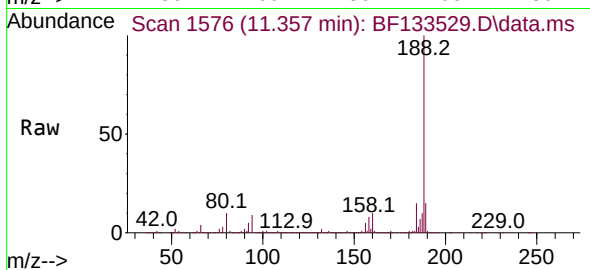
80 10.0 9.2 13.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#70

Pentachlorophenol

Concen: 12.490 ng

RT: 11.151 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

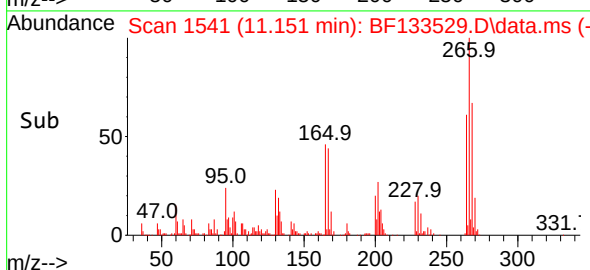
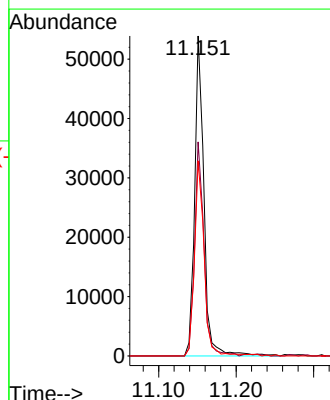
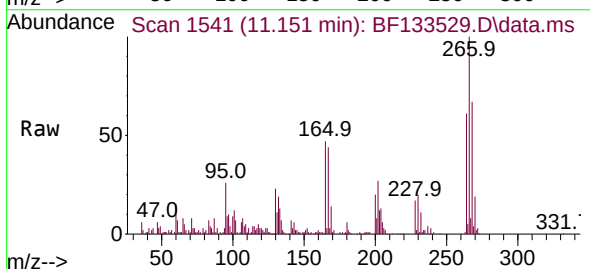
Tgt Ion:266 Resp: 44894

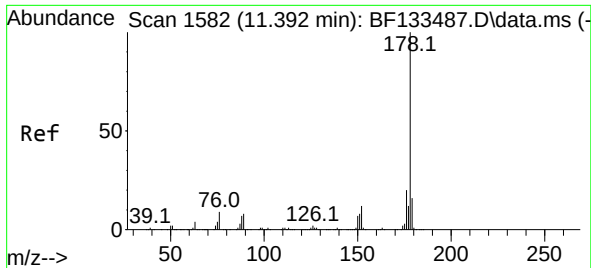
Ion Ratio Lower Upper

266 100

268 66.9 54.6 82.0

264 61.0 49.2 73.8





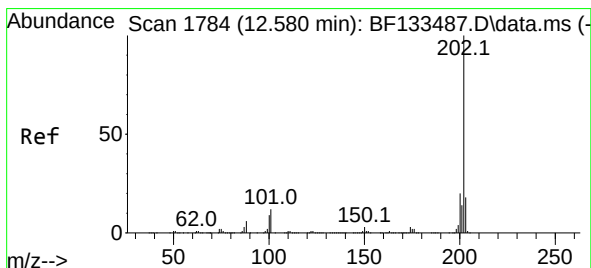
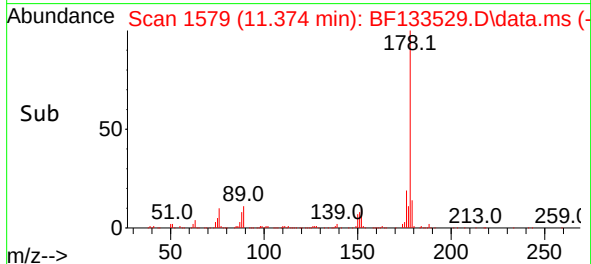
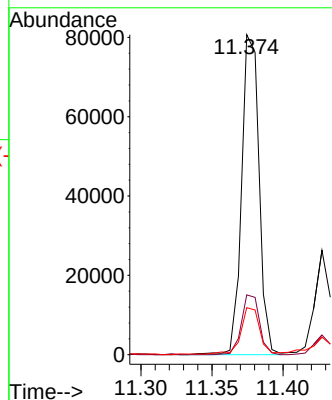
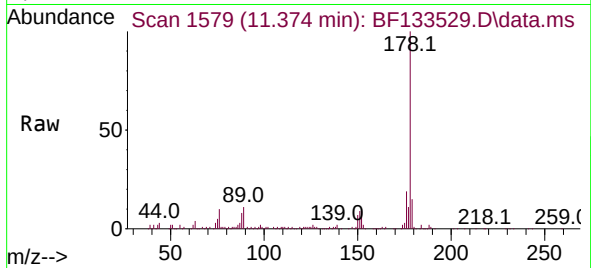
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Phenanthrene
Concen: 2.524 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Instrument :
BNA_F
ClientSampleId :
ETGI-338

Tgt Ion:178 Resp: 69200
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.7 12.4 18.6

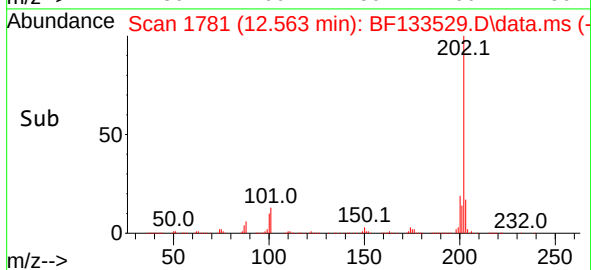
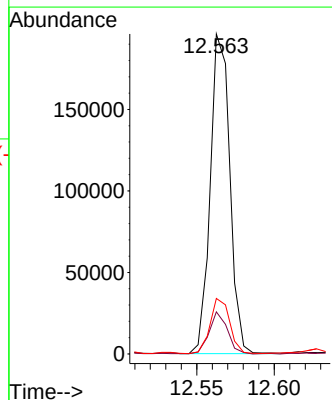
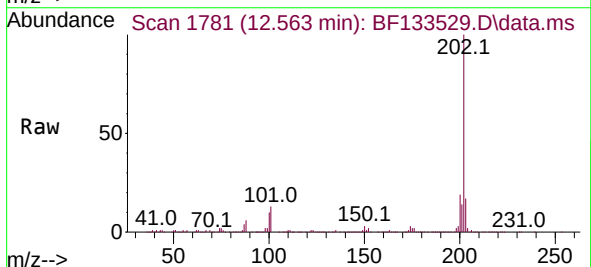
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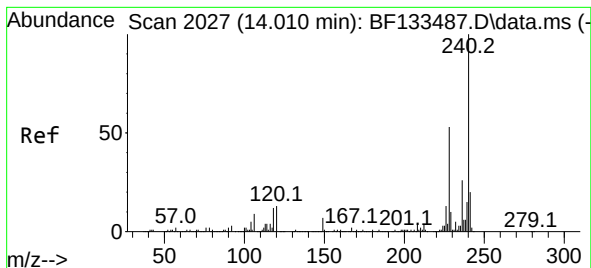
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#75
Fluoranthene
Concen: 5.681 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:202 Resp: 172033
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 17.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

Tgt Ion:240 Resp: 33393

Ion Ratio Lower Upper

240 100

120 11.1 10.3 15.5

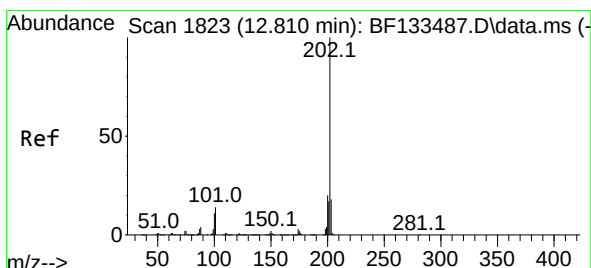
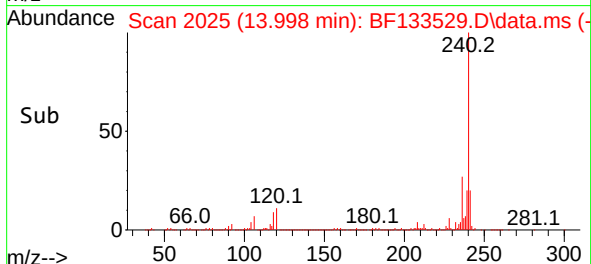
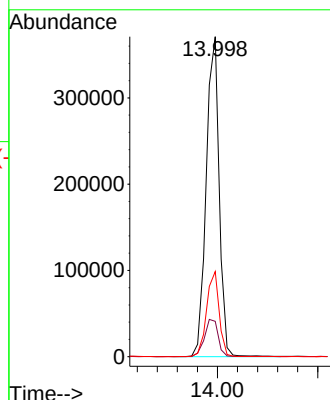
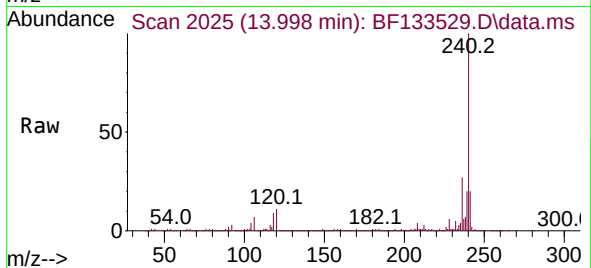
236 26.6 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#78

Pyrene

Concen: 5.831 ng

RT: 12.792 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

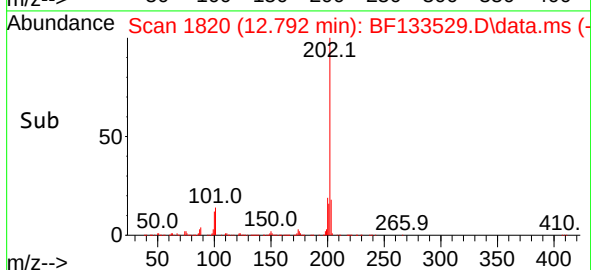
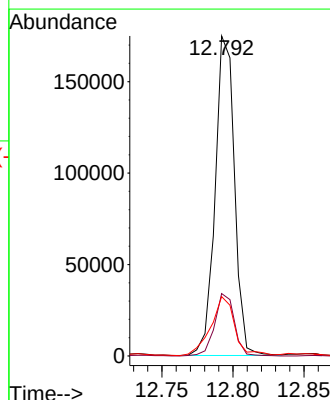
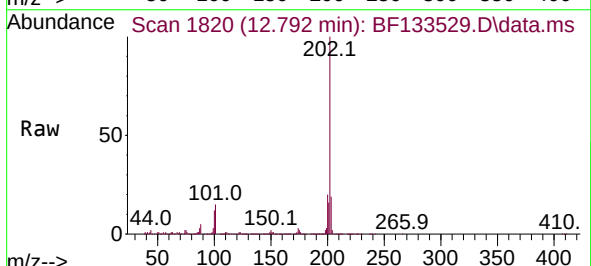
Tgt Ion:202 Resp: 165688

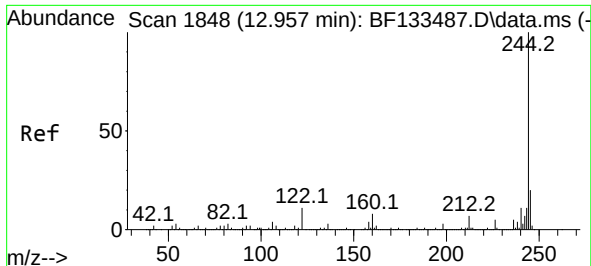
Ion Ratio Lower Upper

202 100

200 19.5 16.3 24.5

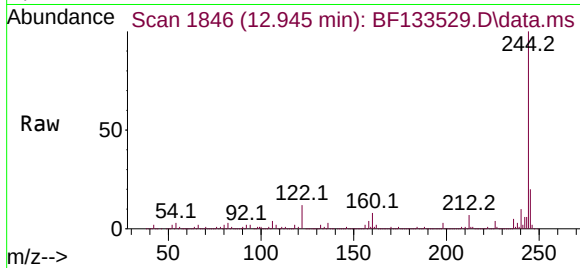
203 18.6 14.3 21.5





#79
Terphenyl-d14
Concen: 59.598 ng
RT: 12.945 min Scan# 1119338
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

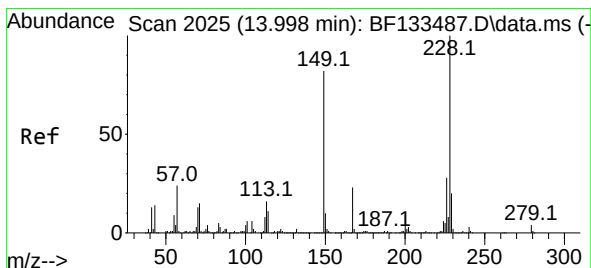
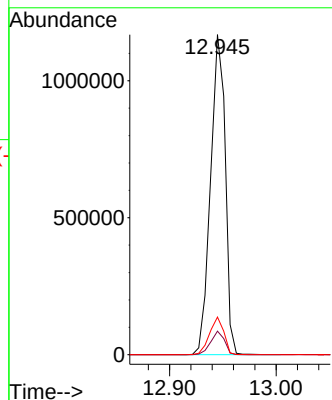
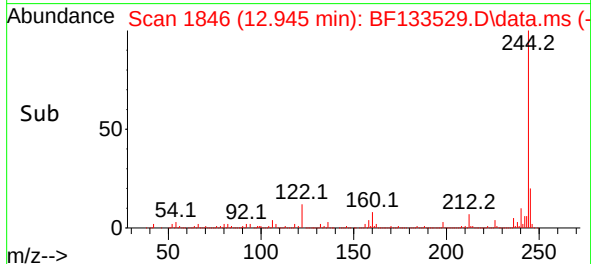
Instrument :
BNA_F
ClientSampleId :
ETGI-338



Tgt Ion:244 Resp: 1119338
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 11.7 8.5 12.7

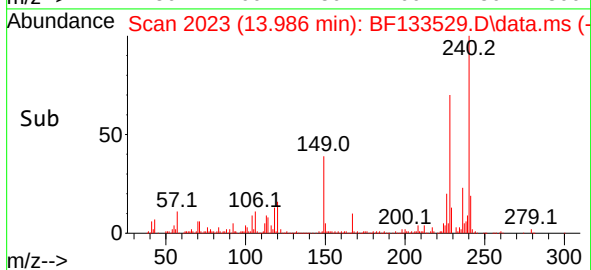
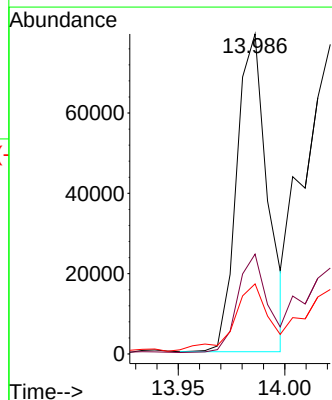
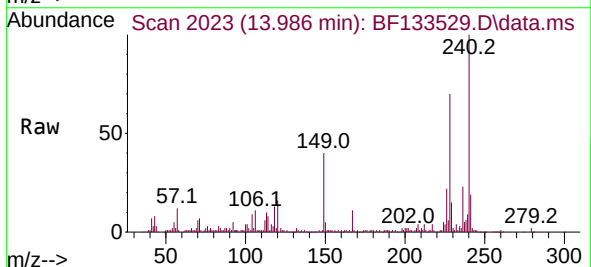
Manual Integrations
APPROVED

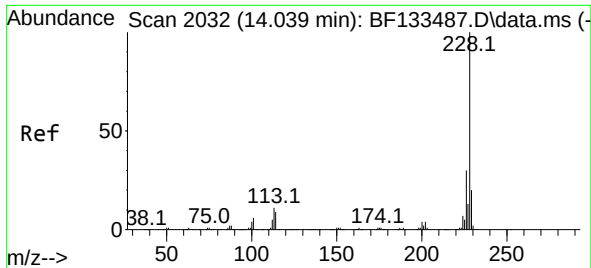
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#81
Benzo(a)anthracene
Concen: 3.591 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:228 Resp: 79881
Ion Ratio Lower Upper
228 100
226 31.2 22.3 33.5
229 21.9 16.1 24.1





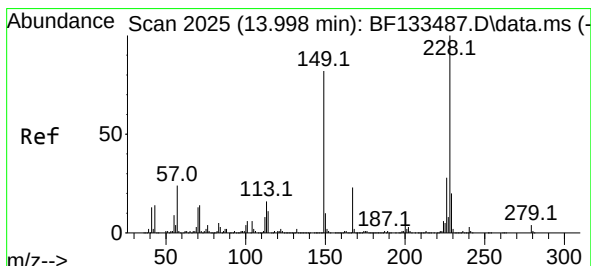
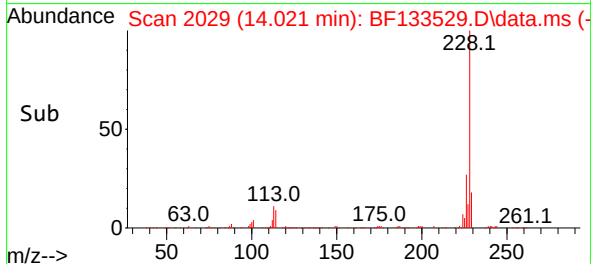
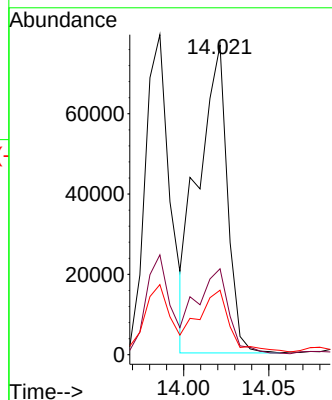
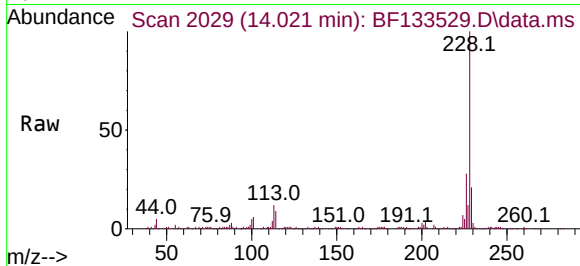
#83
Chrysene
Concen: 4.054 ng
RT: 14.021 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Instrument :
BNA_F
ClientSampleId :
ETGI-338

Tgt Ion:228 Resp: 91039
Ion Ratio Lower Upper
228 100
226 27.8 24.1 36.1
229 20.8 15.8 23.8

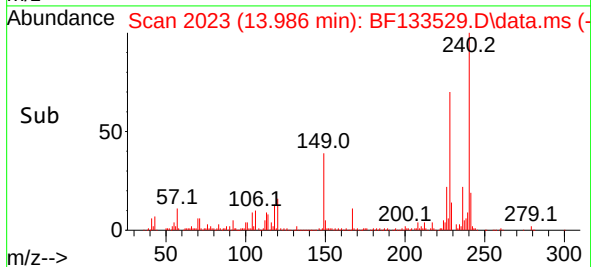
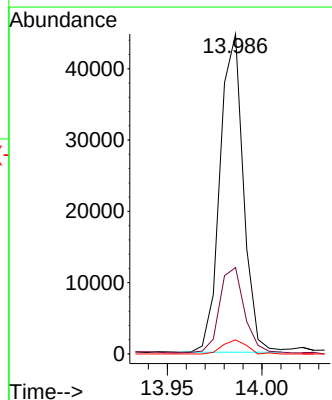
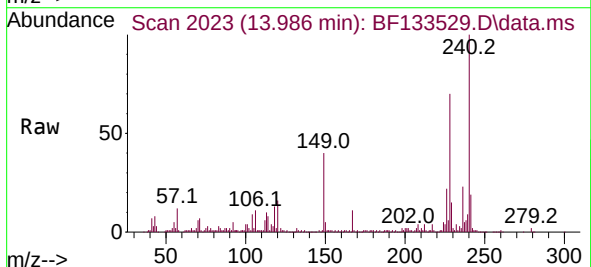
Manual Integrations
APPROVED

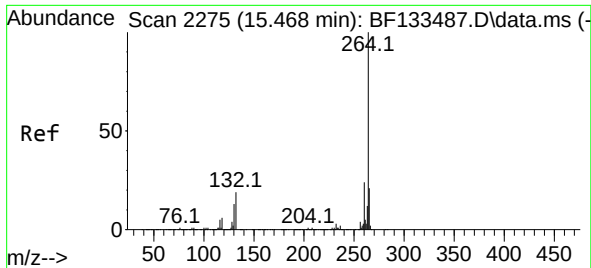
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.730 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

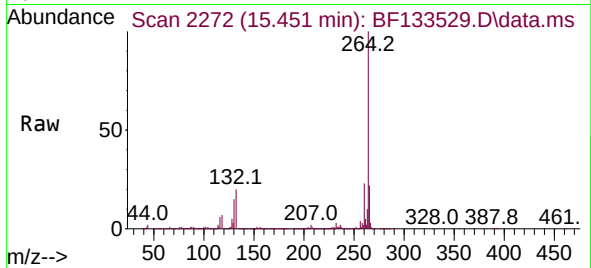
Tgt Ion:149 Resp: 38369
Ion Ratio Lower Upper
149 100
167 27.0 22.0 33.0
279 4.4 3.6 5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

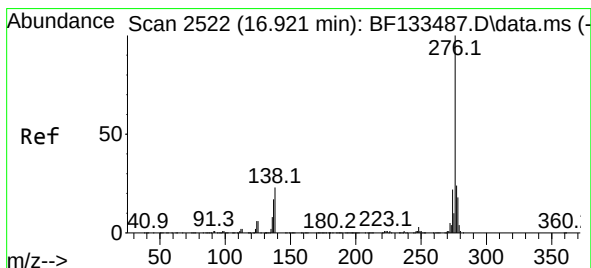
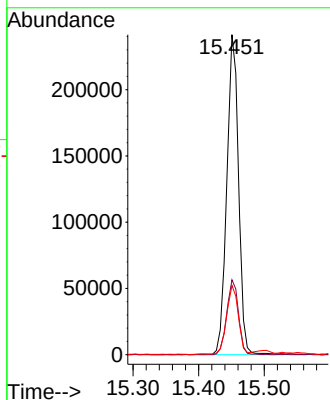
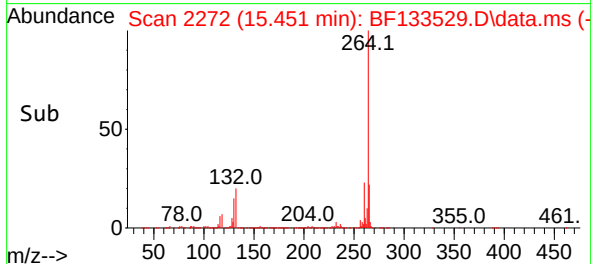
Instrument :
BNA_F
ClientSampleId :
ETGI-338



Tgt Ion:264 Resp: 299820
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 21.7 16.8 25.2

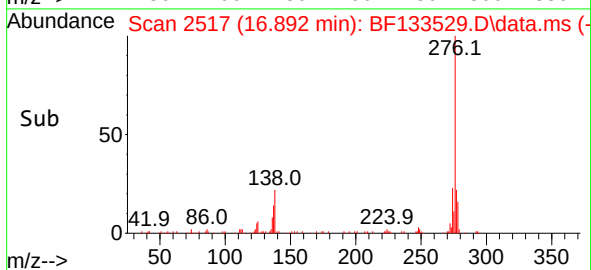
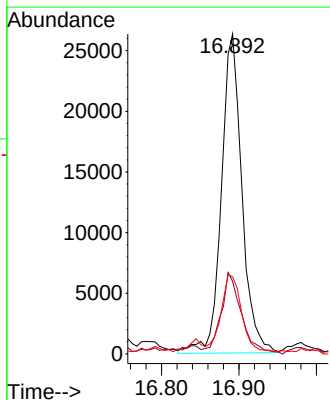
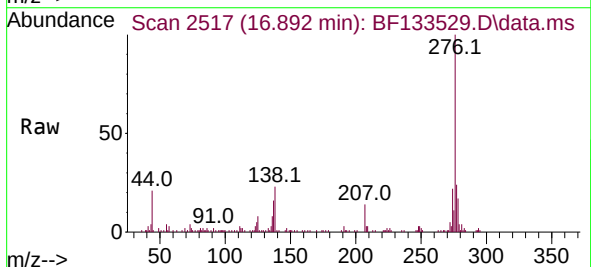
Manual Integrations
APPROVED

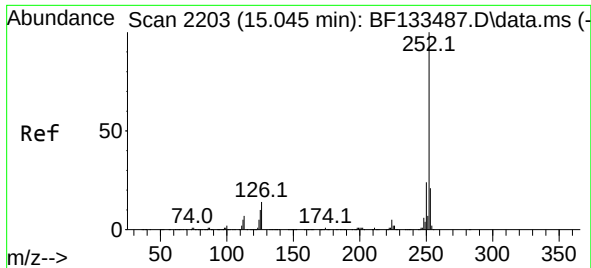
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.545 ng
RT: 16.892 min Scan# 2517
Delta R.T. -0.018 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

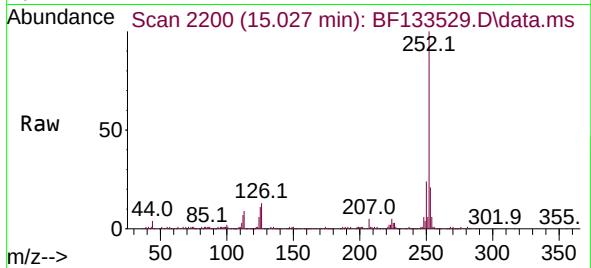
Tgt Ion:276 Resp: 48609
Ion Ratio Lower Upper
276 100
138 25.4 21.4 32.2
277 24.7 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 6.994 ng m
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

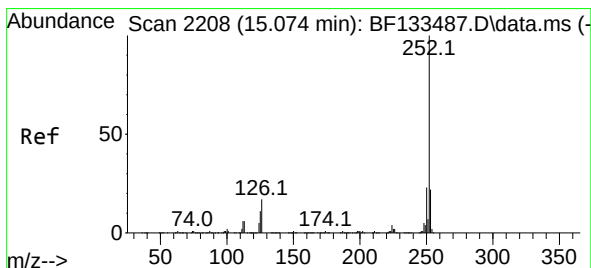
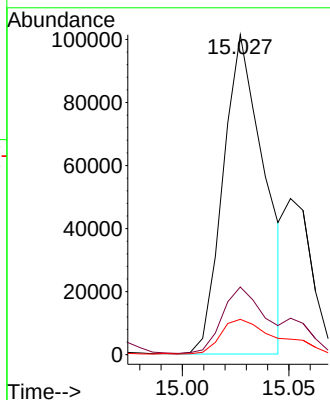
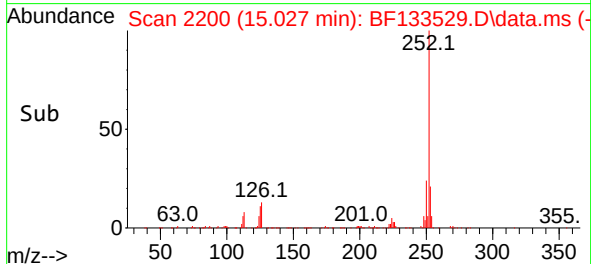
Instrument :
BNA_F
ClientSampleId :
ETGI-338



Tgt Ion:252 Resp: 13654
Ion Ratio Lower Upper
252 100
253 21.1 17.2 25.8
125 11.0 8.1 12.1

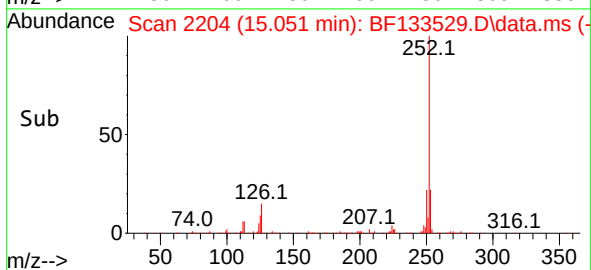
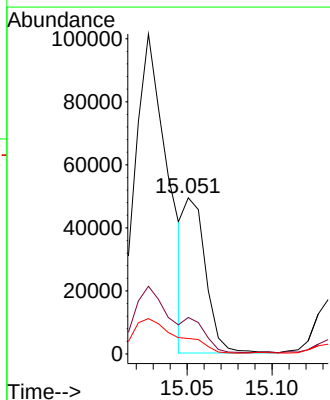
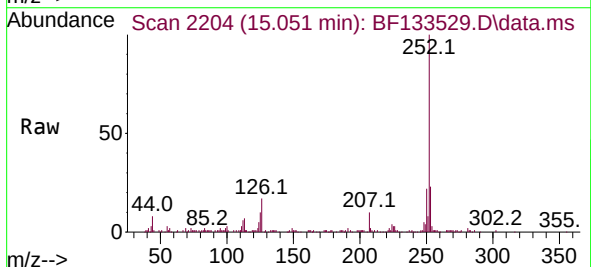
Manual Integrations
APPROVED

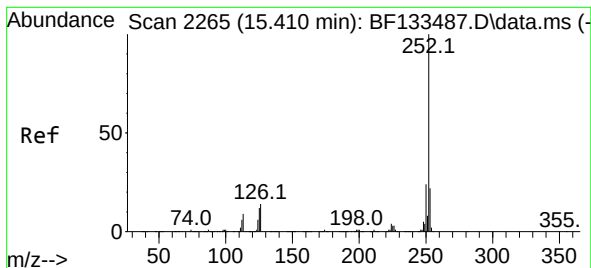
Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Yogesh Patel 06/01/2023



#89
Benzo(k)fluoranthene
Concen: 2.285 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:252 Resp: 43491
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 10.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 4.210 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

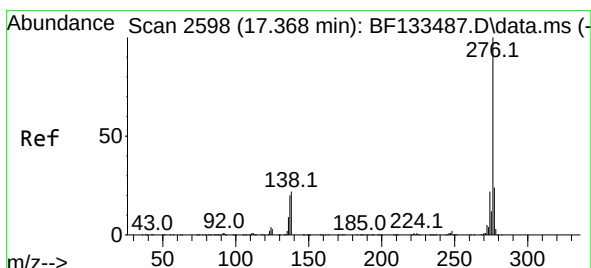
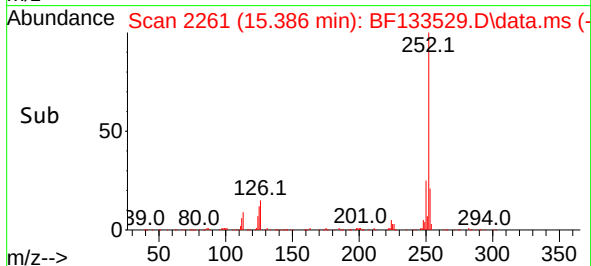
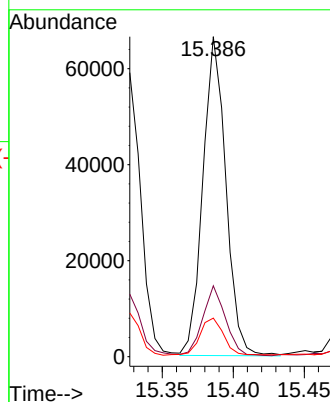
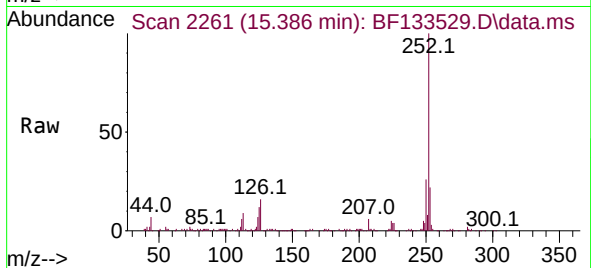
Tgt Ion:	252	Resp:	7479
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.0
125	12.0	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#92

Benzo(g,h,i)perylene

Concen: 2.662 ng

RT: 17.327 min Scan# 2591

Delta R.T. -0.024 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Tgt Ion:	276	Resp:	41567
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.8	28.2
138	29.2	17.8	26.6

