

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133400.D
 Acq On : 16 May 2023 14:01
 Operator : CG\JU
 Sample : 02782-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/17/2023
 Supervised By : Jagrut Upadhyay 05/17/2023

Quant Time: May 16 14:41:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	211158	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	819850	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	359168	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	559357	20.000	ng	0.00
76) Chrysene-d12	13.898	240	308765	20.000	ng	0.01
86) Perylene-d12	15.333	264	522686	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	71833	5.139	ng	0.00
7) Phenol-d6	6.363	99	87555	5.046	ng	0.00
23) Nitrobenzene-d5	7.281	82	50872	3.349	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	15584	4.314	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	99520	4.636	ng	-0.01
79) Terphenyl-d14	12.833	244	73020	4.079	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	142005m	4.723	ng	
75) Fluoranthene	12.457	202	264800	8.776	ng	97
78) Pyrene	12.686	202	208050m	7.860	ng	
81) Benzo(a)anthracene	13.886	228	65926	3.105	ng	97
83) Chrysene	13.921	228	91600m	4.315	ng	
84) Bis(2-ethylhexyl)phtha...	13.886	149	513252	43.632	ng	96
87) Indeno(1,2,3-cd)pyrene	16.715	276	79674	2.680	ng	96
88) Benzo(b)fluoranthene	14.927	252	172077m	5.175	ng	
90) Benzo(a)pyrene	15.274	252	104262	3.445	ng	# 27
92) Benzo(g,h,i)perylene	17.127	276	69457	2.837	ng	# 92

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

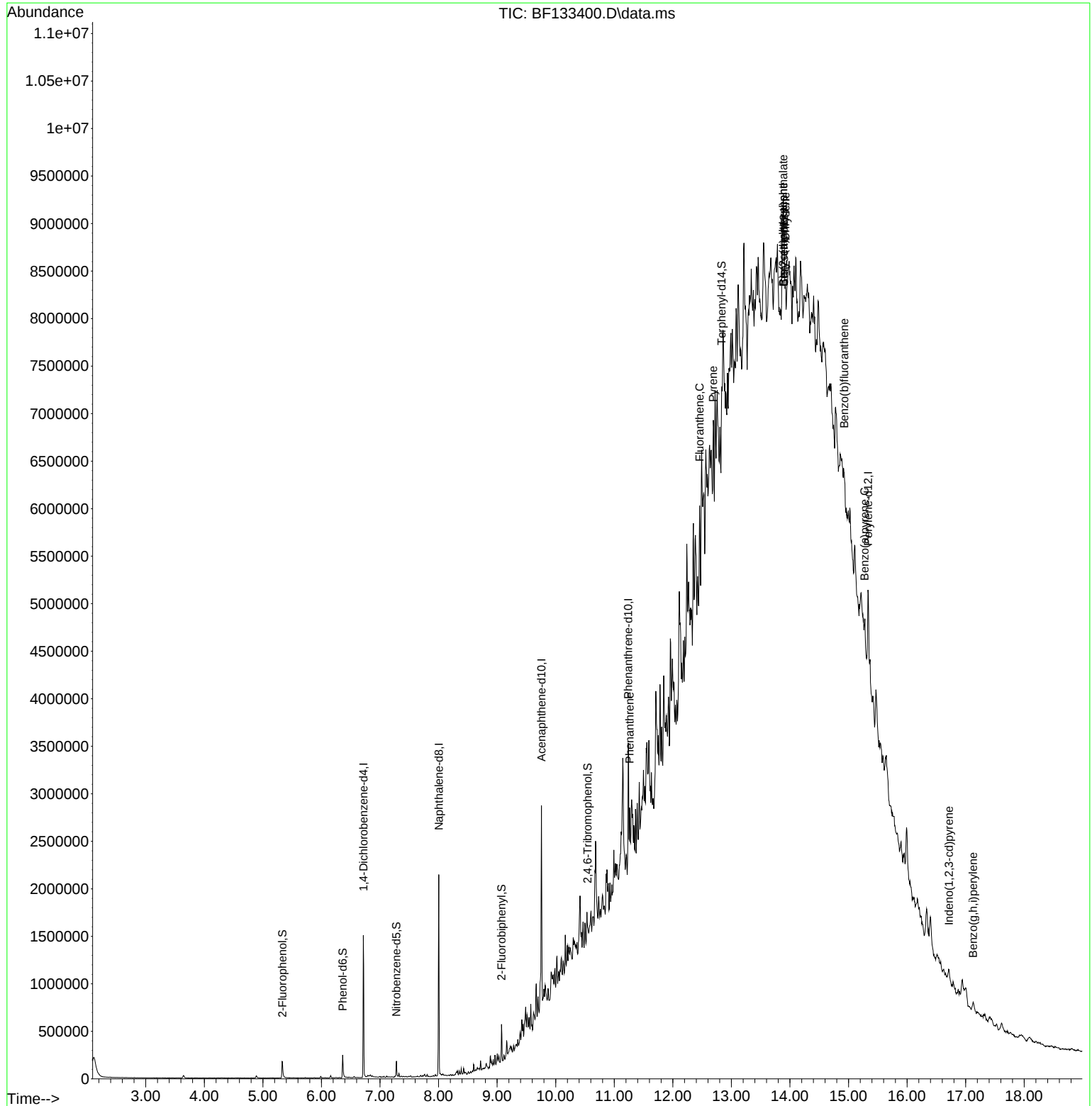
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
Data File : BF133400.D
Acq On : 16 May 2023 14:01
Operator : CG\JU
Sample : 02782-02DL 10X
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ALS Vial : 5 Sample Multiplier: 1

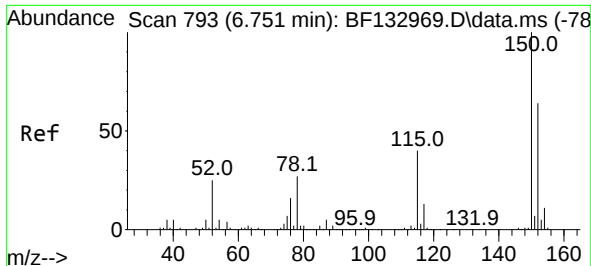
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL

Quant Time: May 16 14:41:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration

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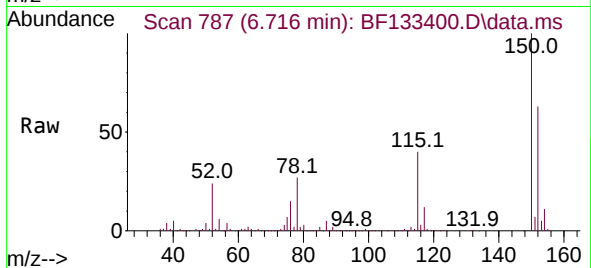
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

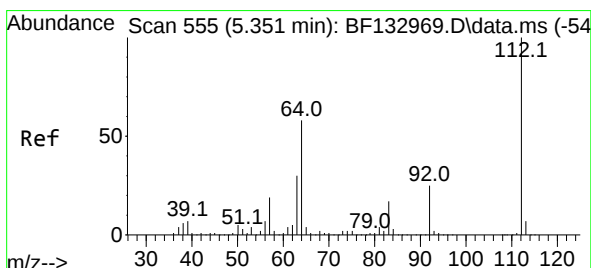
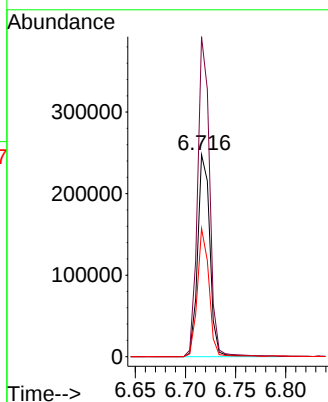
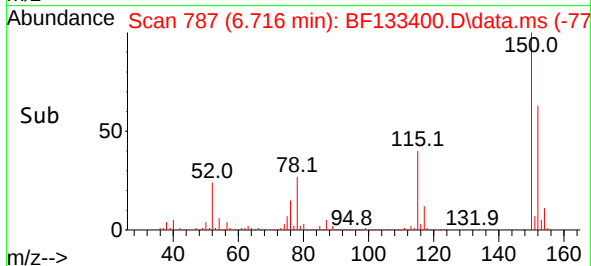


Tgt Ion:152 Resp: 211158
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 63.5 49.9 74.9

Manual Integrations

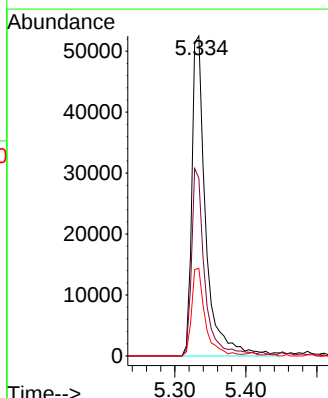
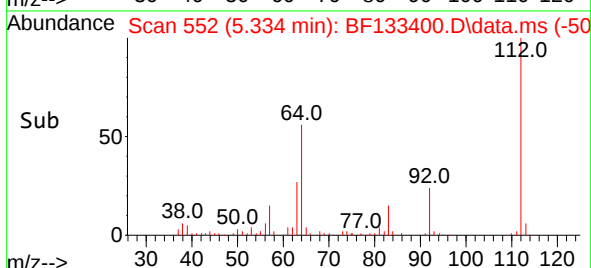
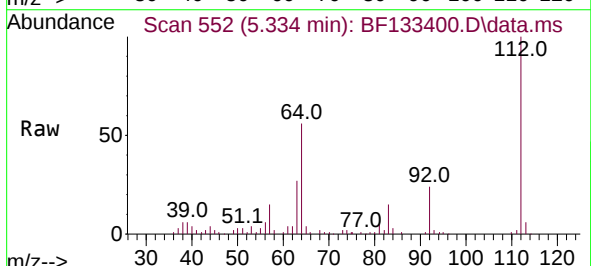
APPROVED

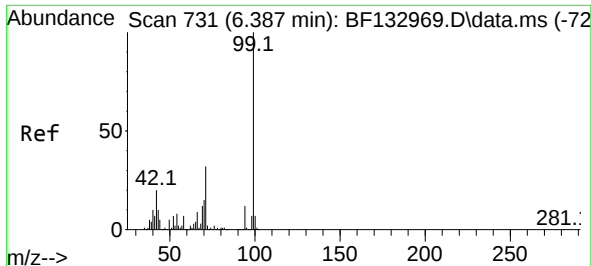
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#5
2-Fluorophenol
Concen: 5.139 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

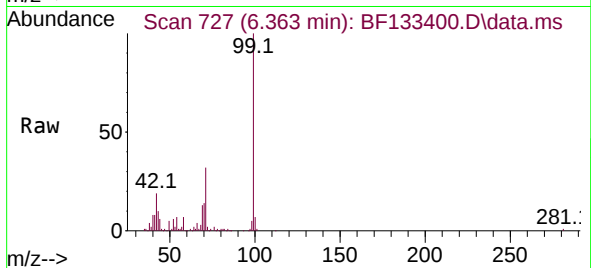
Tgt Ion:112 Resp: 71833
Ion Ratio Lower Upper
112 100
64 55.6 46.8 70.2
63 27.4 23.8 35.8





#7
Phenol-d6
Concen: 5.046 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

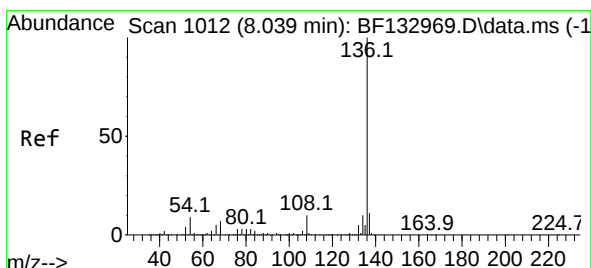
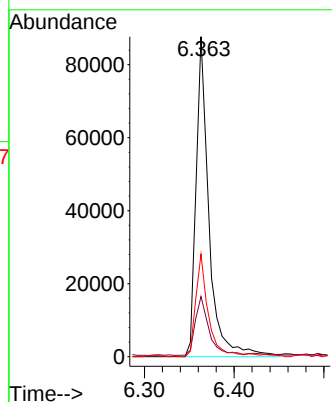
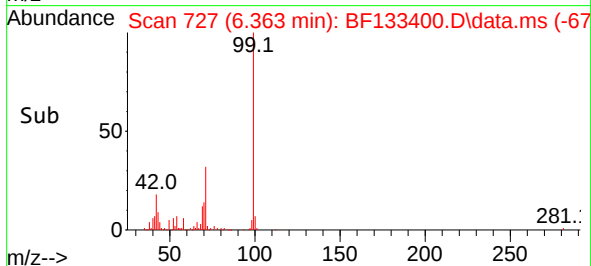
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL



Tgt Ion: 99 Resp: 8755
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 32.0 25.6 38.4

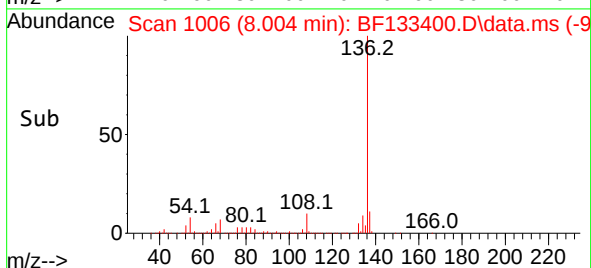
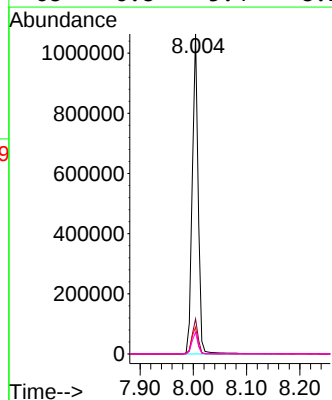
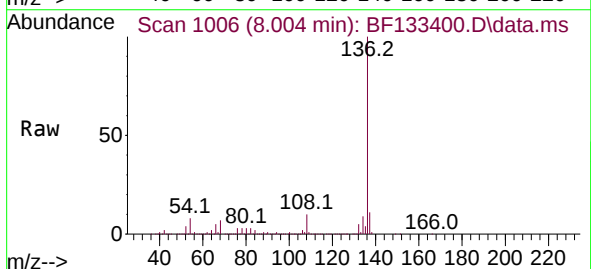
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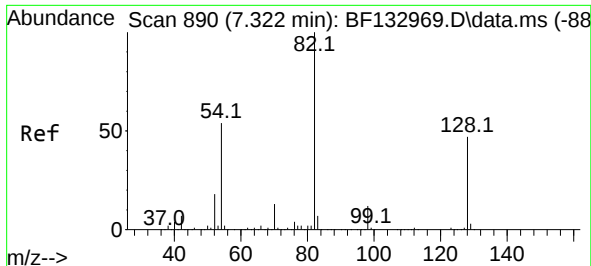
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion:136 Resp: 819850
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 7.0 10.4
68 6.8 5.4 8.2





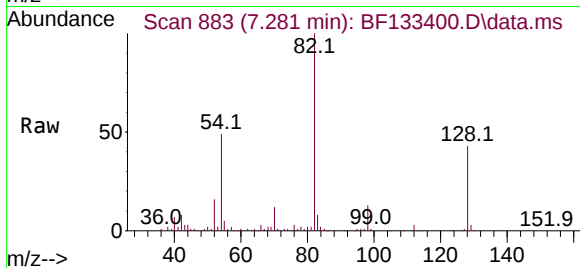
#23
Nitrobenzene-d5
Concen: 3.349 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

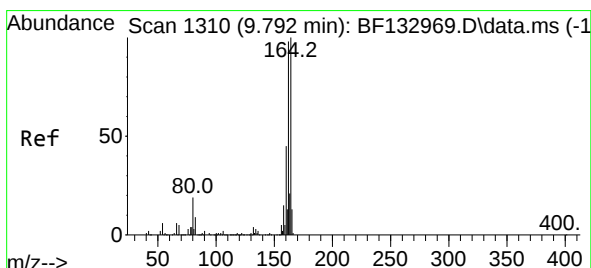
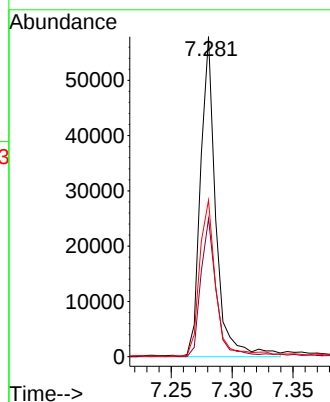
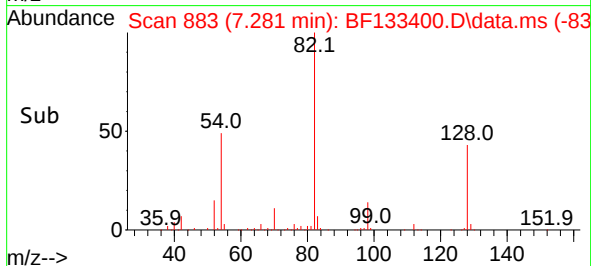


Tgt Ion: 82 Resp: 50872
Ion Ratio Lower Upper
82 100
128 43.1 37.7 56.5
54 48.9 43.0 64.4

Manual Integrations

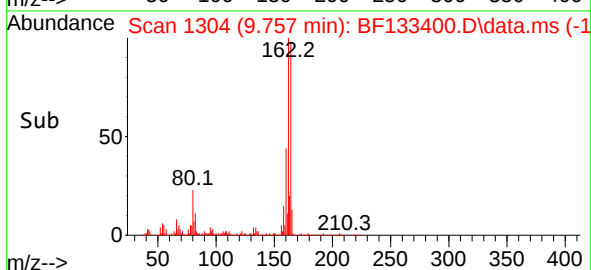
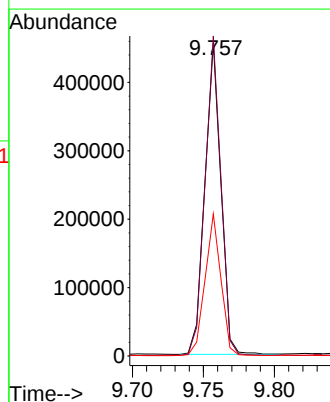
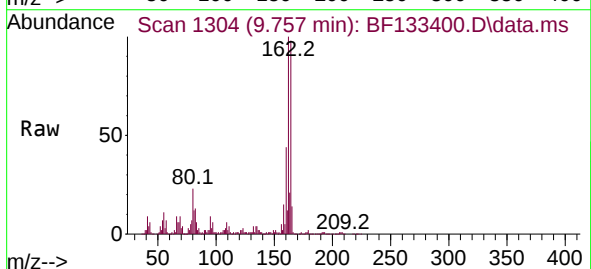
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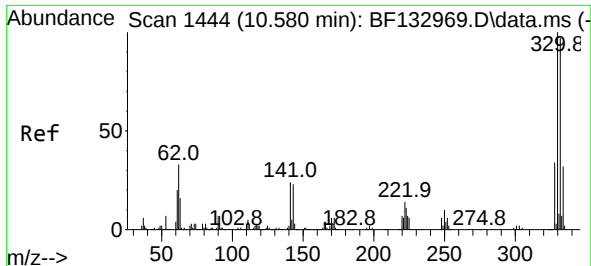
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion:164 Resp: 359168
Ion Ratio Lower Upper
164 100
162 102.2 78.7 118.1
160 45.4 35.8 53.6





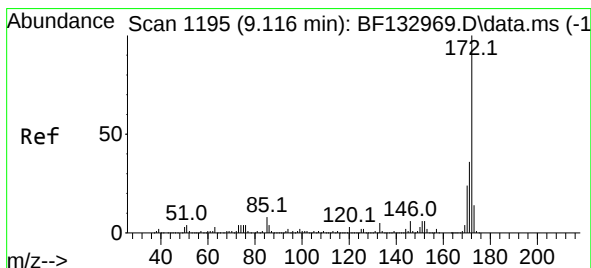
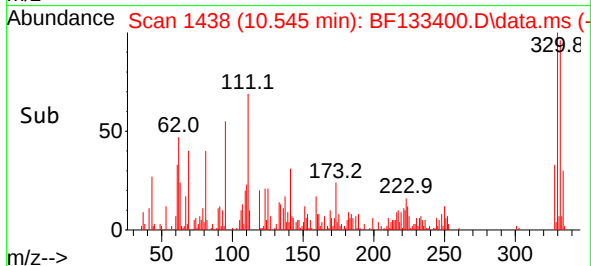
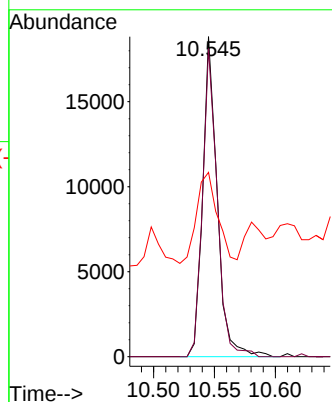
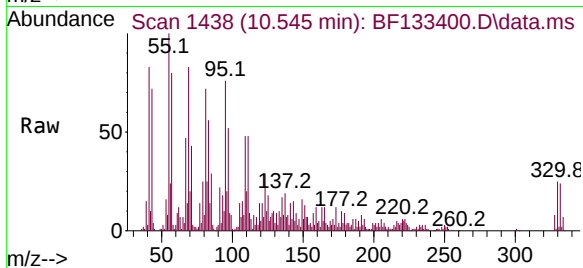
#42
2,4,6-Tribromophenol
Concen: 4.314 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Instrument :
BNA_F
ClientSampleId :
ETGI-363DL

Tgt Ion:330 Resp: 15584
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 41.1 25.8 38.8

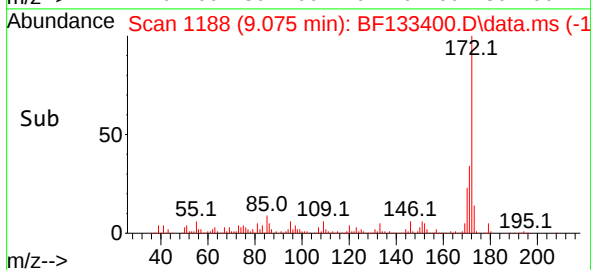
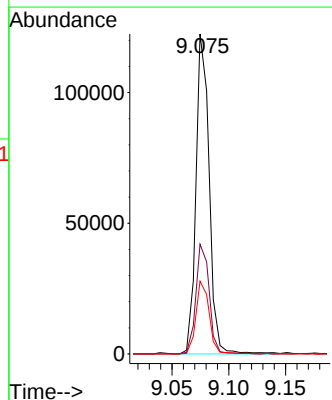
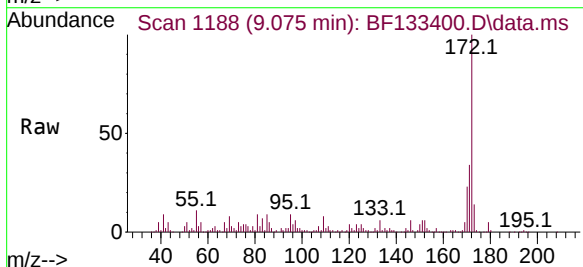
Manual Integrations
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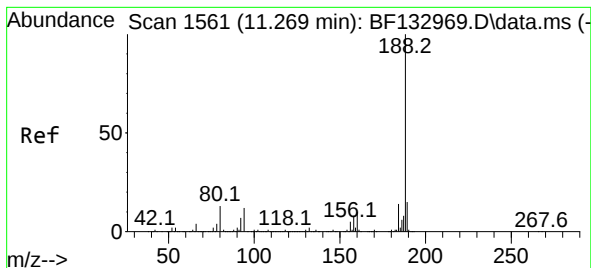
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#45
2-Fluorobiphenyl
Concen: 4.636 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

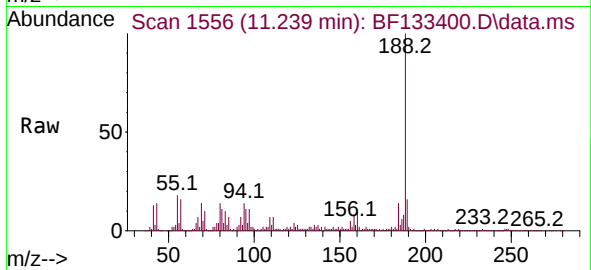
Tgt Ion:172 Resp: 99520
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 22.8 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

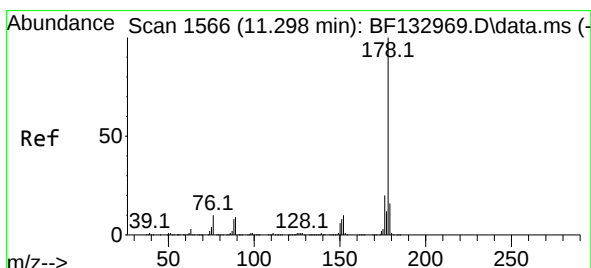
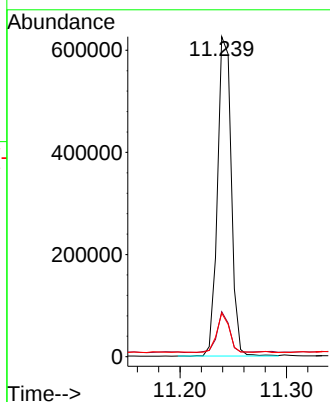
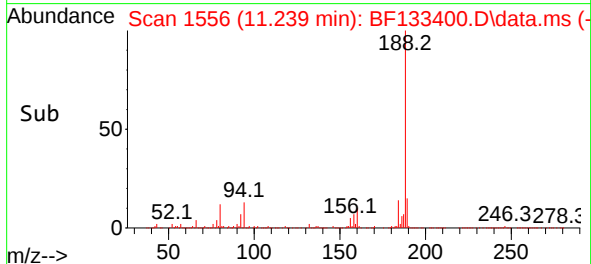
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL



Tgt Ion:188 Resp: 55935
Ion Ratio Lower Upper
188 100
94 14.1 9.7 14.5
80 13.6 10.4 15.6

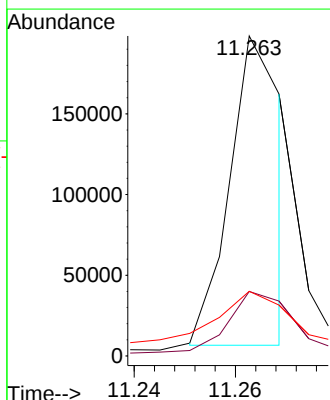
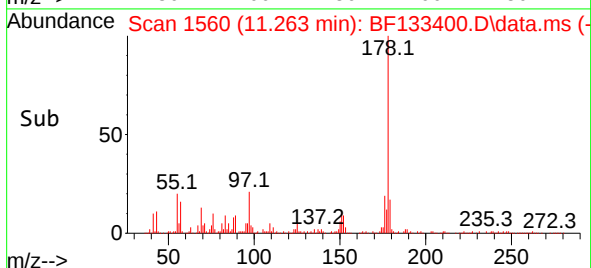
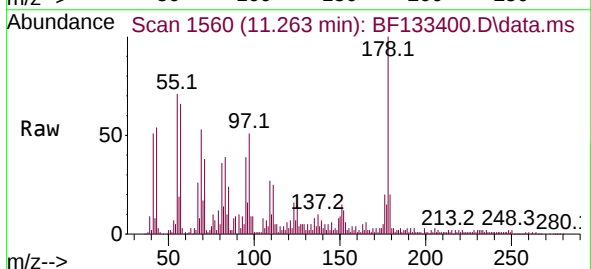
Manual Integrations
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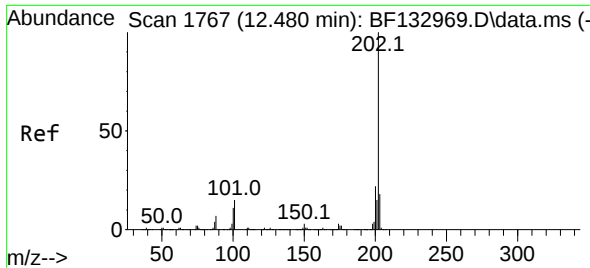
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#71
Phenanthrene
Concen: 4.723 ng m
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

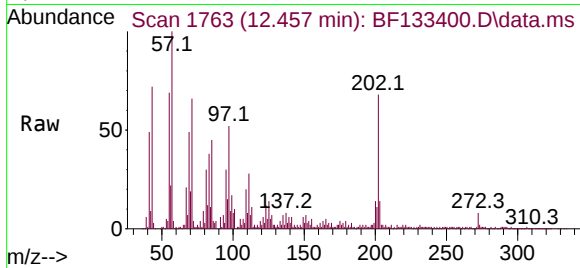
Tgt Ion:178 Resp: 142005
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 20.2 12.5 18.7#





#75
Fluoranthene
Concen: 8.776 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

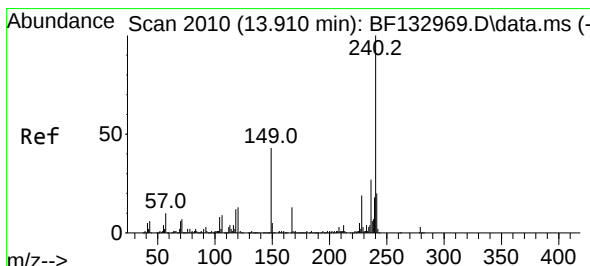
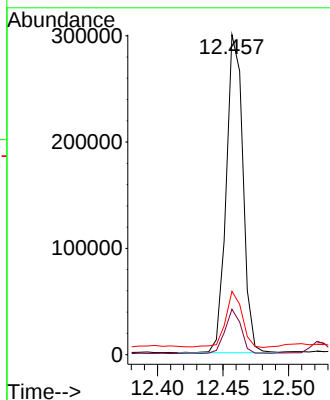
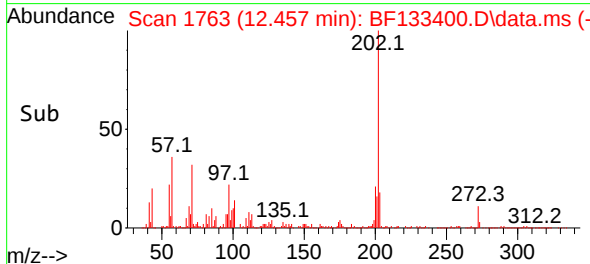
Instrument :
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ETGI-363DL



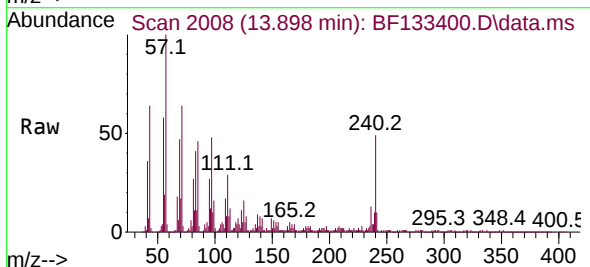
Tgt Ion:202 Resp: 264800
Ion Ratio Lower Upper
202 100
101 14.2 0.0 35.3
203 19.8 0.0 38.1

Manual Integrations
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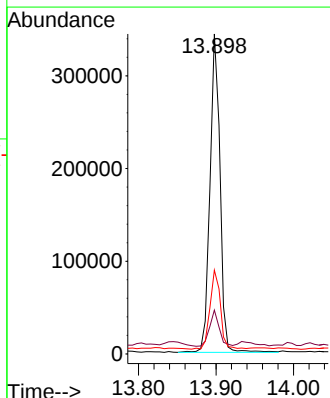
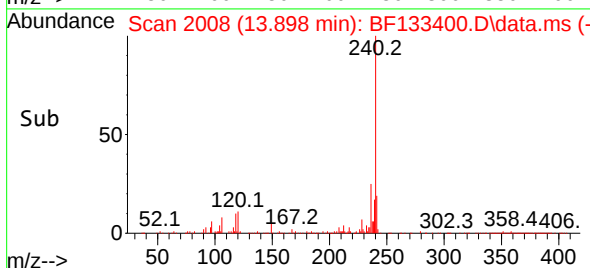
Reviewed By :Christian Giraldo 05/17/2023
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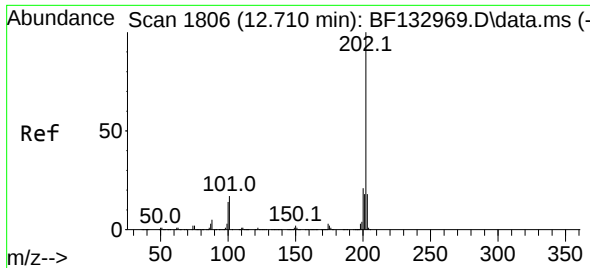


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.012 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01



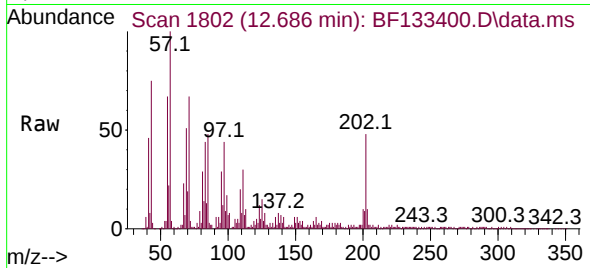
Tgt Ion:240 Resp: 308765
Ion Ratio Lower Upper
240 100
120 13.7 10.5 15.7
236 26.2 21.5 32.3





#78
Pyrene
Concen: 7.860 ng m
RT: 12.686 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

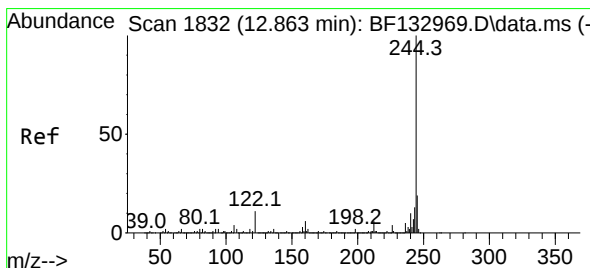
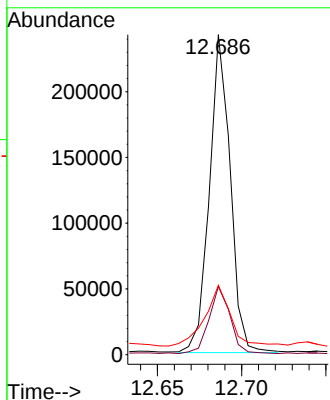
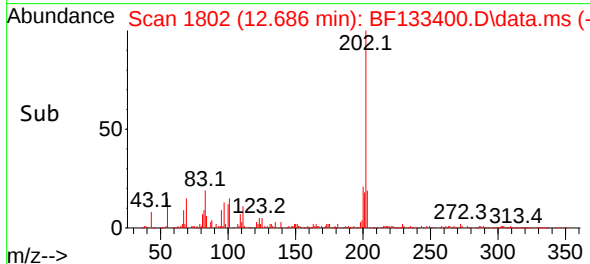
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL



Tgt Ion:202 Resp: 208050
Ion Ratio Lower Upper
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203 21.7 14.1 21.1

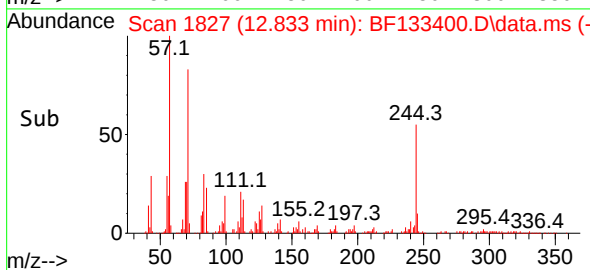
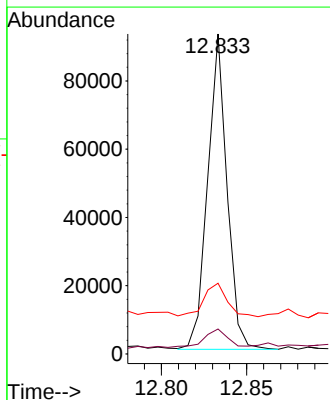
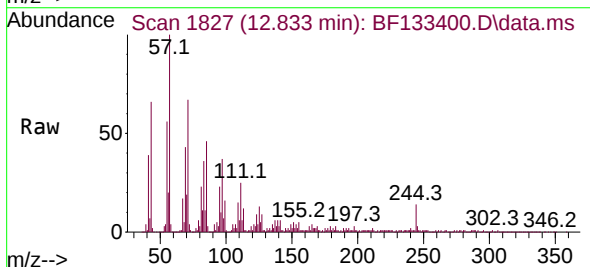
Manual Integrations
APPROVED

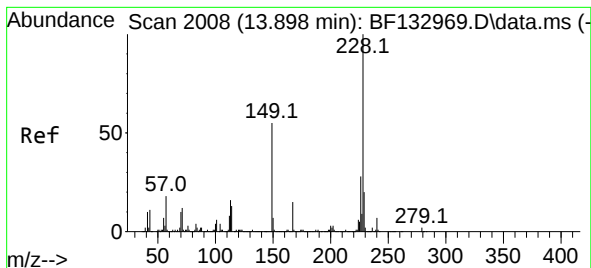
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#79
Terphenyl-d14
Concen: 4.079 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion:244 Resp: 73020
Ion Ratio Lower Upper
244 100
212 7.8 5.1 7.7#
122 22.1 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 3.105 ng

RT: 13.886 min Scan# 2012

Delta R.T. 0.012 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

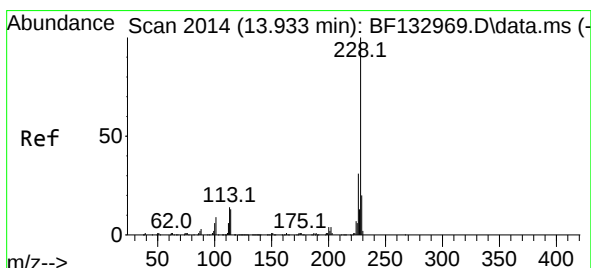
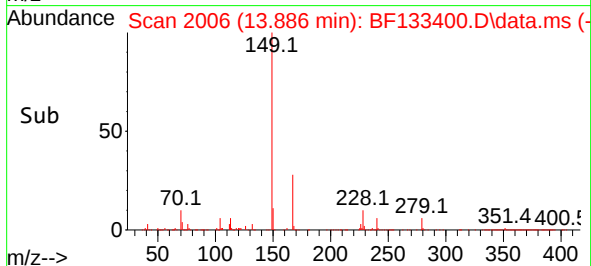
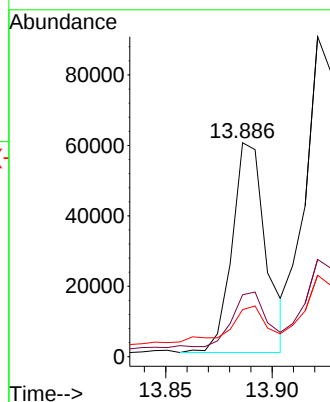
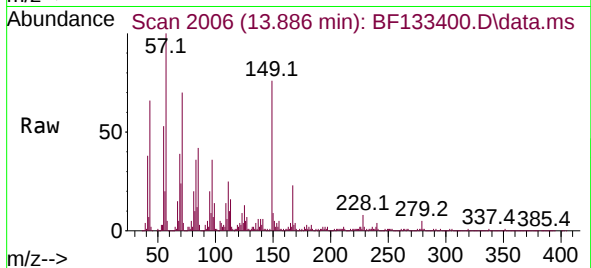
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Tgt Ion:228	Resp:	65920
Ion Ratio	Lower	Upper
228	100	
226	28.9	22.2 33.4
229	22.0	16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#83

Chrysene

Concen: 4.315 ng m

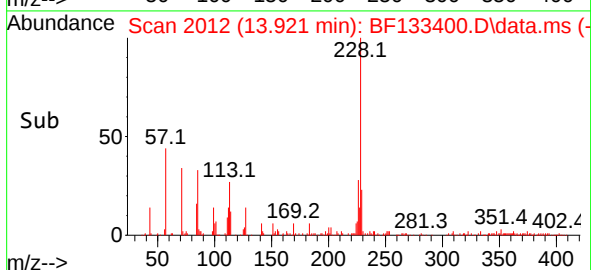
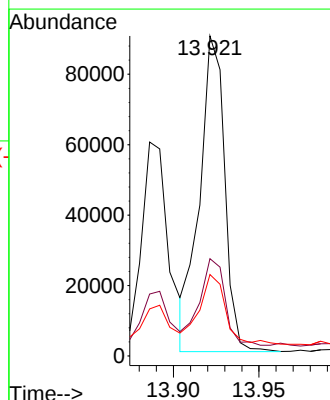
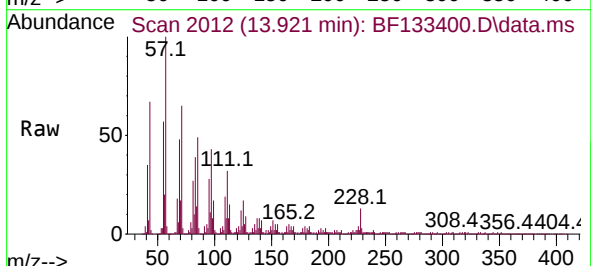
RT: 13.921 min Scan# 2012

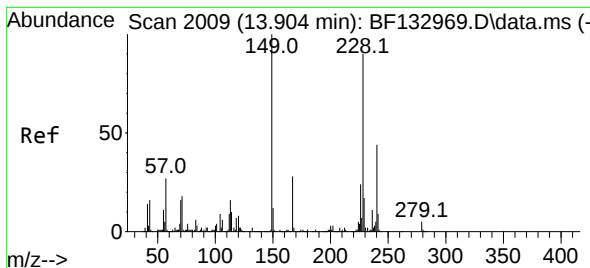
Delta R.T. 0.012 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

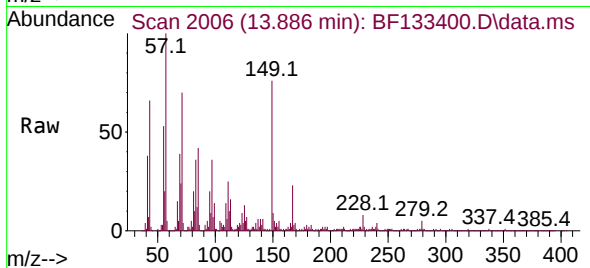
Tgt Ion:228	Resp:	91600
Ion Ratio	Lower	Upper
228	100	
226	30.4	24.7 37.1
229	25.5	16.1 24.1#





#84
Bis(2-ethylhexyl)phthalate
Concen: 43.632 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.023 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

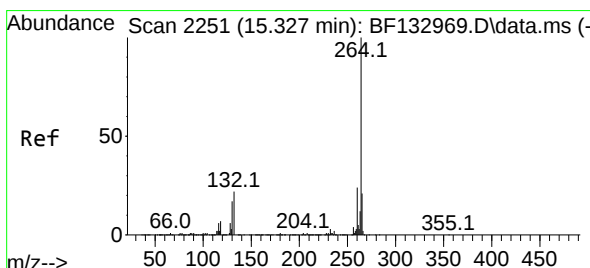
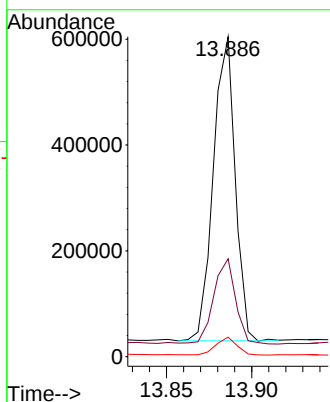
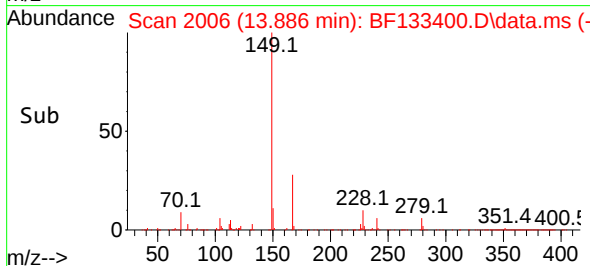
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL



Tgt Ion:149 Resp: 51325
Ion Ratio Lower Upper
149 100
167 30.6 22.5 33.7
279 6.1 4.2 6.4

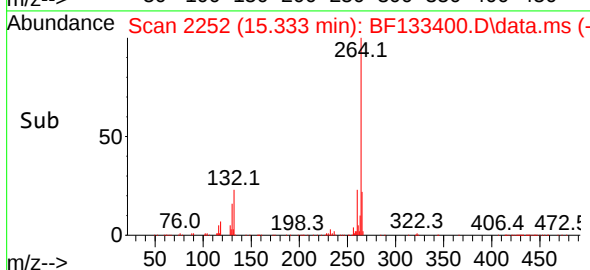
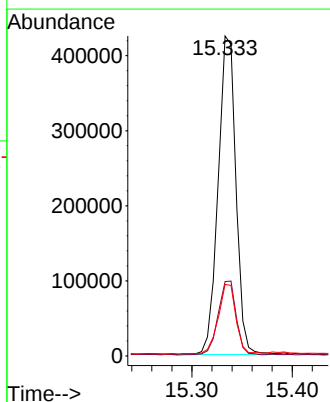
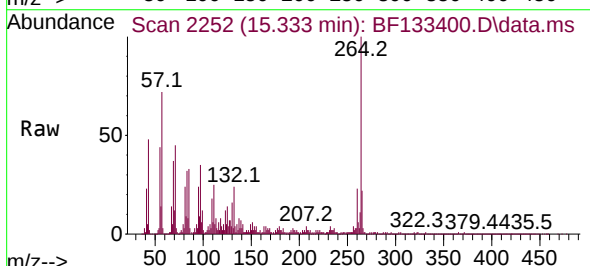
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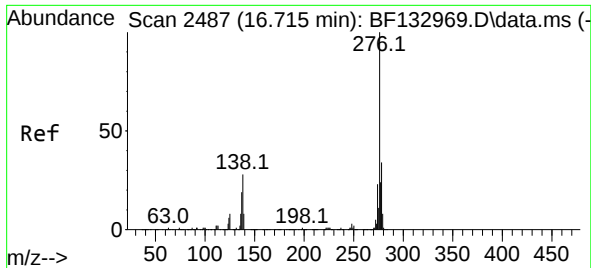
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.333 min Scan# 2252
Delta R.T. 0.029 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

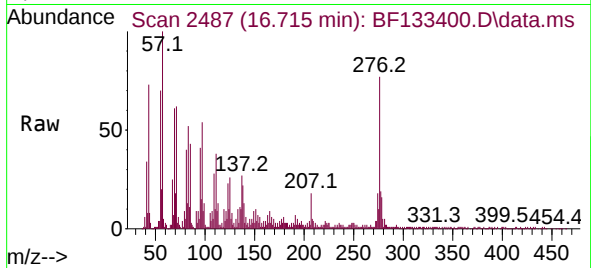
Tgt Ion:264 Resp: 522686
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.3 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.680 ng
RT: 16.715 min Scan# 2487
Delta R.T. 0.018 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

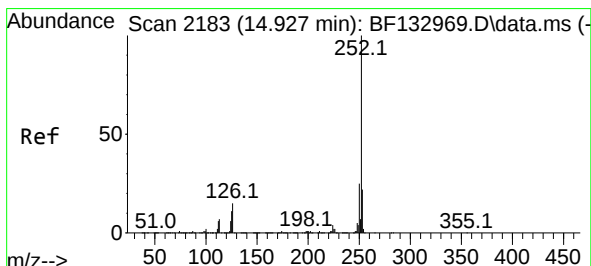
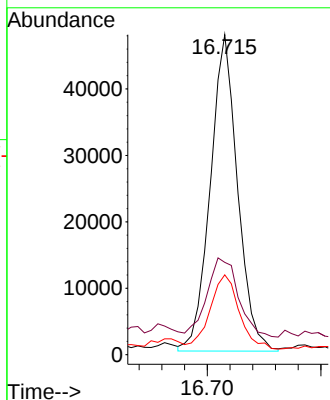
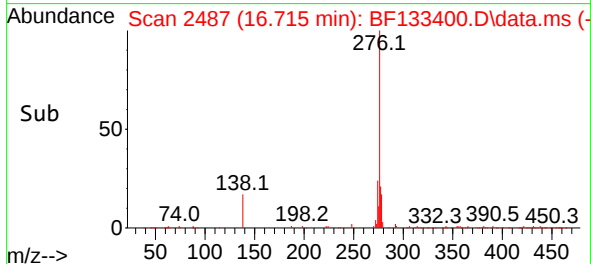
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL



Tgt Ion: 276 Resp: 79674
Ion Ratio Lower Upper
276 100
138 28.7 25.5 38.3
277 25.1 20.4 30.6

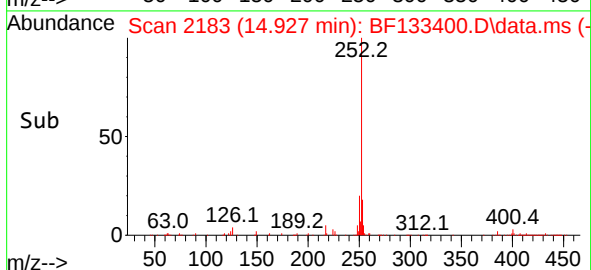
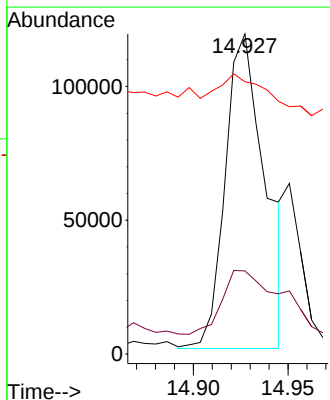
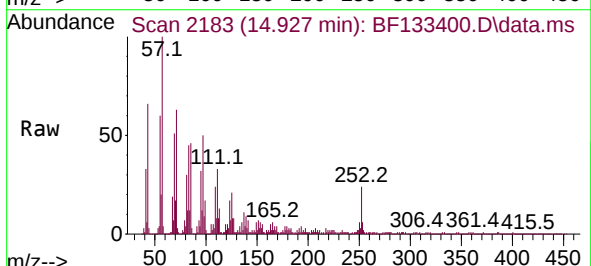
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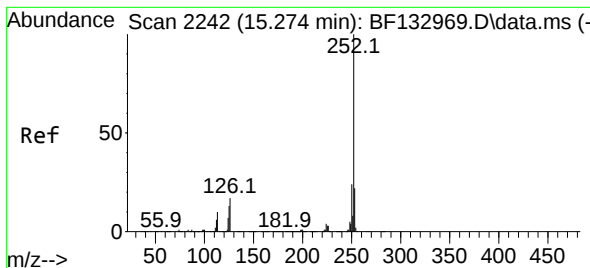
Reviewed By : Christian Giraldo 05/17/2023
Supervised By : Jagrut Upadhyay 05/17/2023



#88
Benzo(b)fluoranthene
Concen: 5.175 ng m
RT: 14.927 min Scan# 2183
Delta R.T. 0.029 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion: 252 Resp: 172077
Ion Ratio Lower Upper
252 100
253 25.9 17.6 26.4
125 85.1 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 3.445 ng

RT: 15.274 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

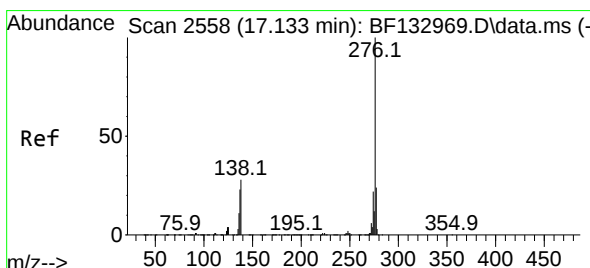
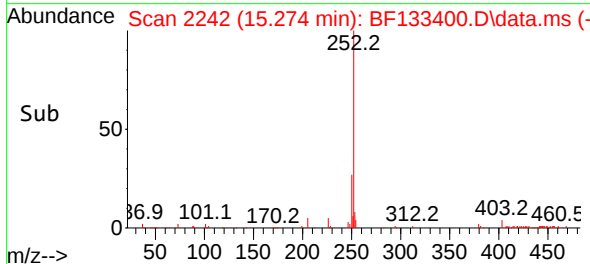
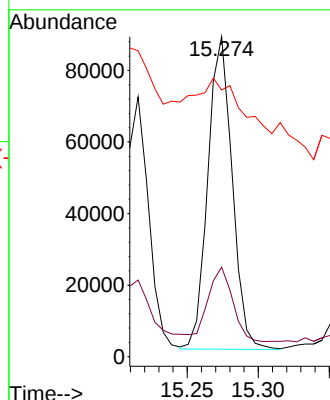
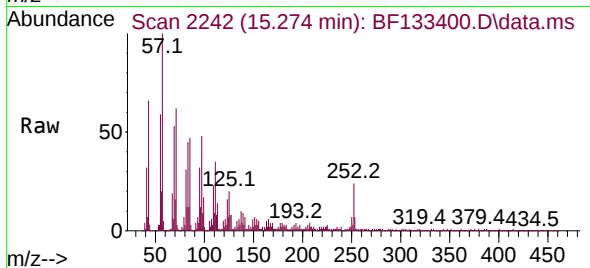
ETGI-363DL

Tgt Ion:	252	Resp:	10426
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.7	26.5
125	83.4	10.5	15.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#92

Benzo(g,h,i)perylene

Concen: 2.837 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.018 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Tgt Ion:	276	Resp:	69457
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.4	29.0
138	34.8	22.7	34.1

