

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133407.D
 Acq On : 16 May 2023 17:43
 Operator : CG\JU
 Sample : 02770-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-25990DL

Manual Integrations
 APPROVED

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

Quant Time: May 17 03:49:50 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	6.722	152	221310	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	850240	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	365427	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	437765	20.000	ng	# 0.01
76) Chrysene-d12	13.886	240	520206	20.000	ng	0.00
86) Perylene-d12	15.304	264	433637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	165835	11.320	ng	0.00
7) Phenol-d6	6.363	99	202511	11.137	ng	0.00
23) Nitrobenzene-d5	7.281	82	113747	7.221	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	36931	10.049	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	233464	10.688	ng	-0.01
79) Terphenyl-d14	12.833	244	235161	7.796	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.280	178	309817	13.168	ng	# 84
72) Anthracene	11.333	178	84754	3.520	ng	# 62
75) Fluoranthene	12.474	202	792629	33.567	ng	96
78) Pyrene	12.704	202	860267	19.291	ng	99
81) Benzo(a)anthracene	13.874	228	470400	13.150	ng	98
83) Chrysene	13.910	228	463564	12.962	ng	98
87) Indeno(1,2,3-cd)pyrene	16.686	276	194091	7.869	ng	95
88) Benzo(b)fluoranthene	14.898	252	494993m	17.943	ng	
89) Benzo(k)fluoranthene	14.921	252	161917m	5.921	ng	
90) Benzo(a)pyrene	15.245	252	351252	13.988	ng	98
91) Dibenzo(a,h)anthracene	16.692	278	49066	2.385	ng	# 85
92) Benzo(g,h,i)perylene	17.104	276	202206	9.956	ng	96

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

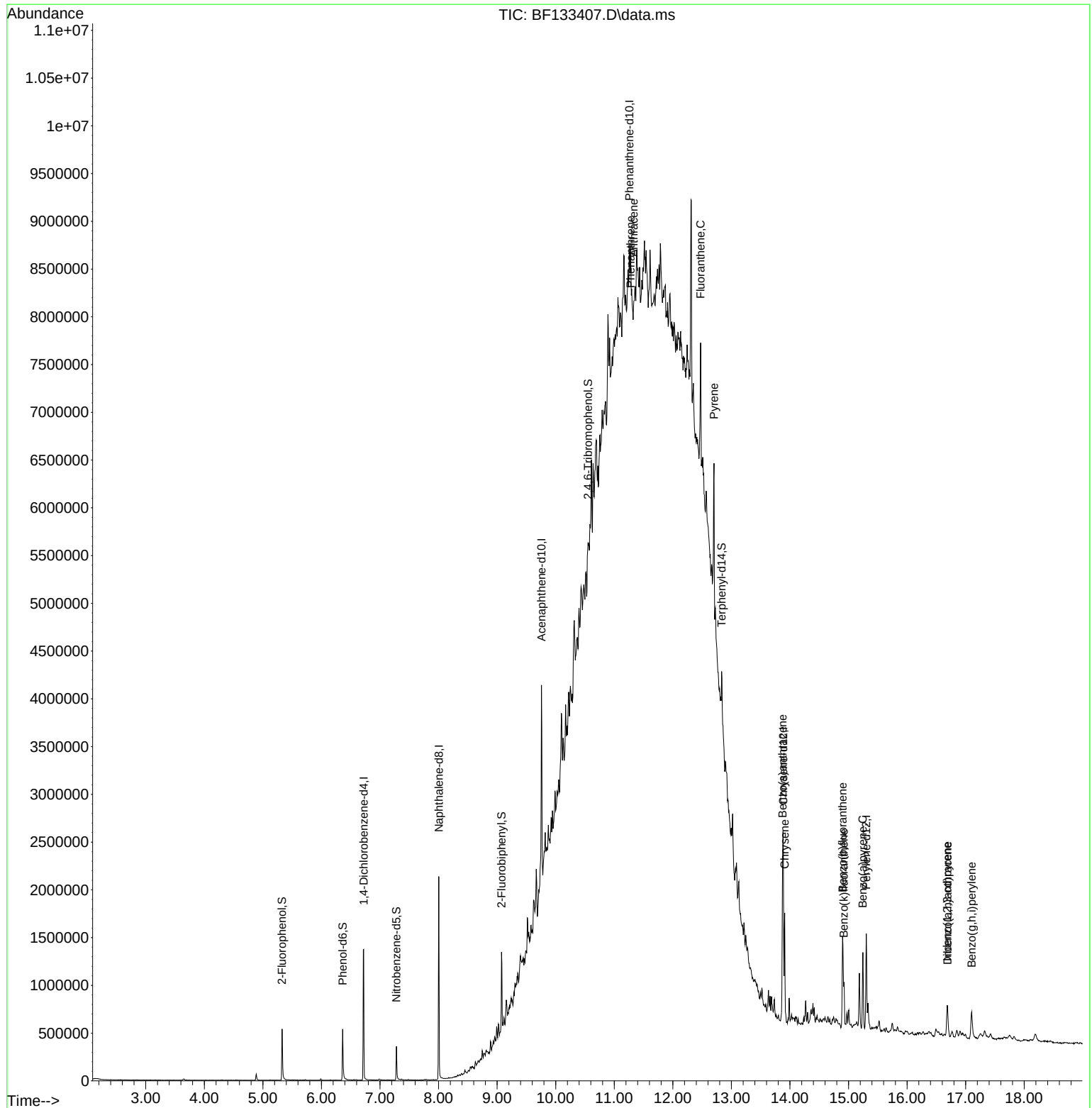
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
Data File : BF133407.D
Acq On : 16 May 2023 17:43
Operator : CG\JU
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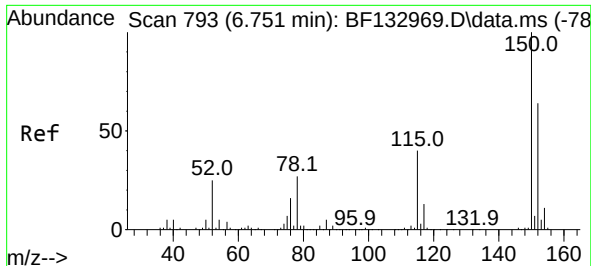
Instrument :
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Quant Time: May 17 03:49:50 2023
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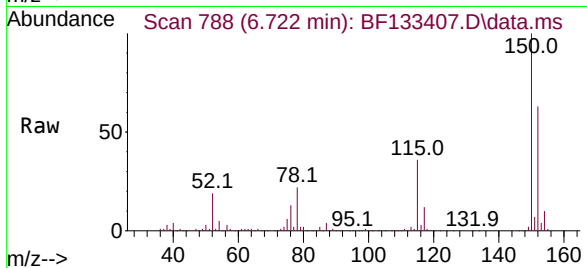
Reviewed By : Christian Giraldo 05/17/2023
Supervised By : Jagrut Upadhyay 05/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

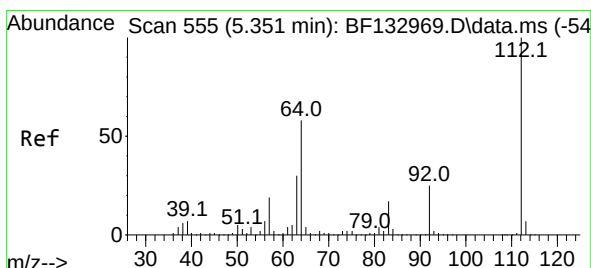
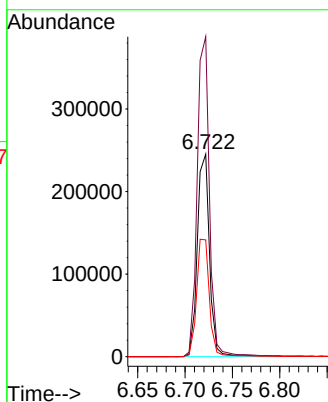
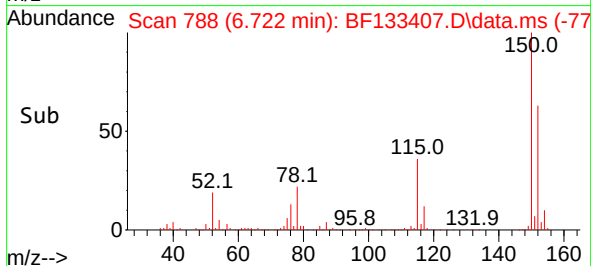
Instrument :
BNA_F
ClientSampleId :
CHRT-25990DL



Tgt Ion:152 Resp: 221310
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 57.6 49.9 74.9

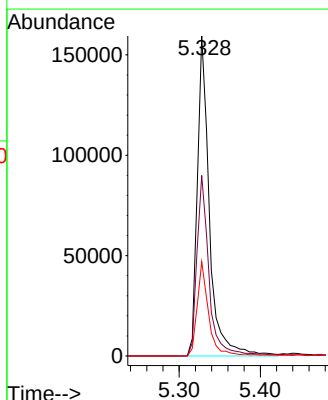
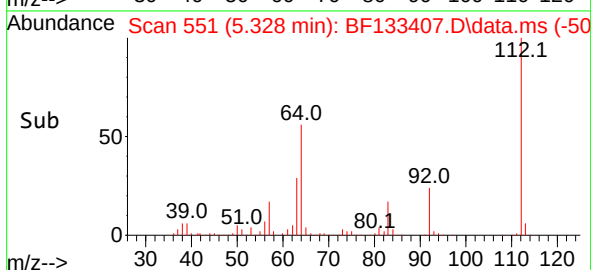
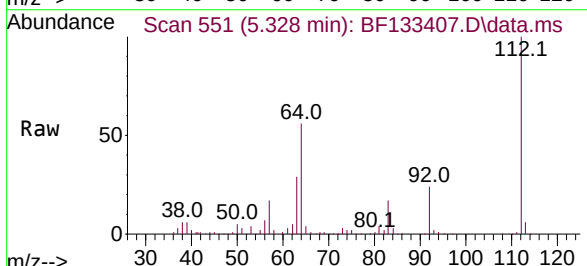
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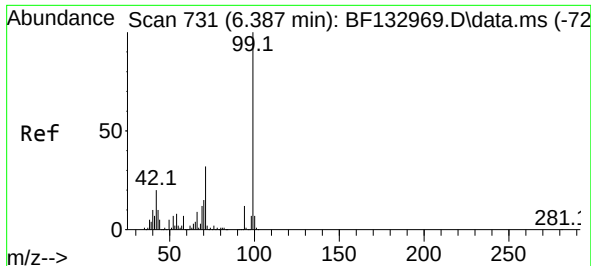
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#5
2-Fluorophenol
Concen: 11.320 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

Tgt Ion:112 Resp: 165835
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 29.5 23.8 35.8





#7

Phenol-d6

Concen: 11.137 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

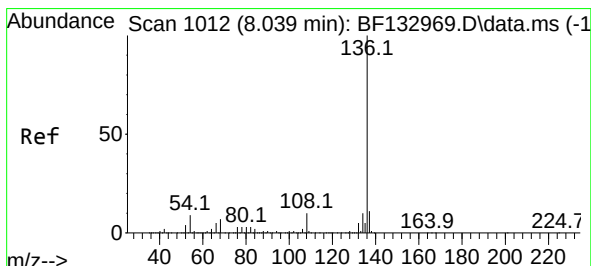
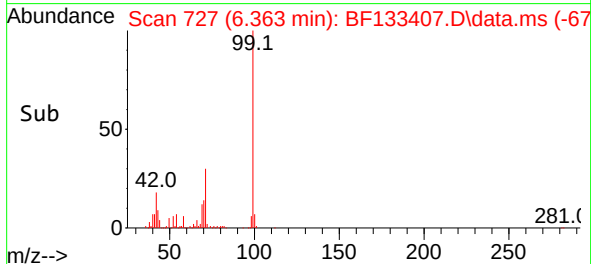
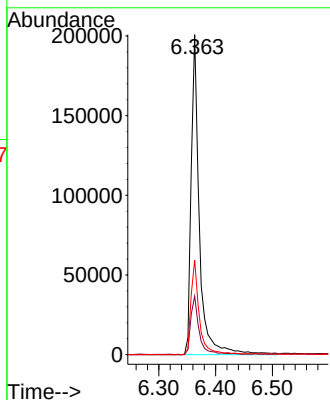
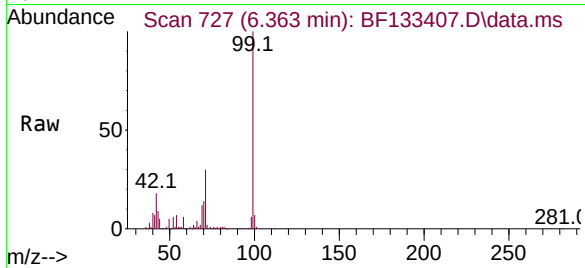
CHRT-25990DL

Tgt Ion:	99	Resp:	20251
Ion Ratio	Lower	Upper	
99	100		
42	18.3	16.3	24.5
71	29.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.000 ng

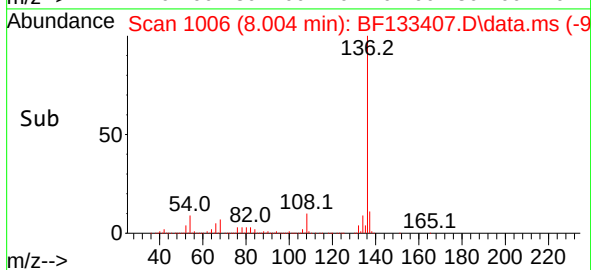
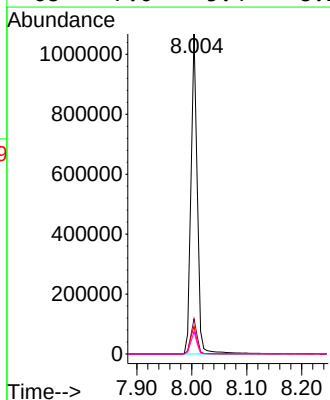
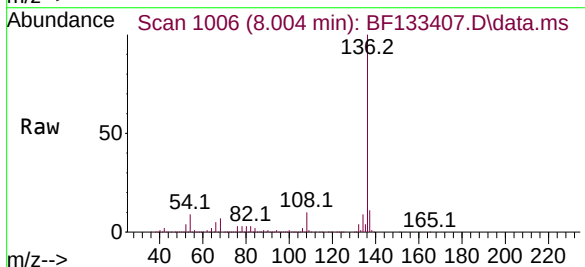
RT: 8.004 min Scan# 1006

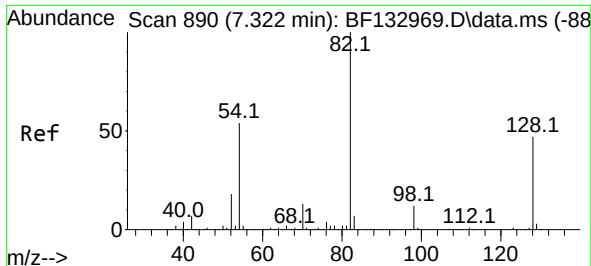
Delta R.T. -0.006 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Tgt Ion:	136	Resp:	850240
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	8.6	7.0	10.4
68	7.0	5.4	8.2





#23

Nitrobenzene-d5

Concen: 7.221 ng

RT: 7.281 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

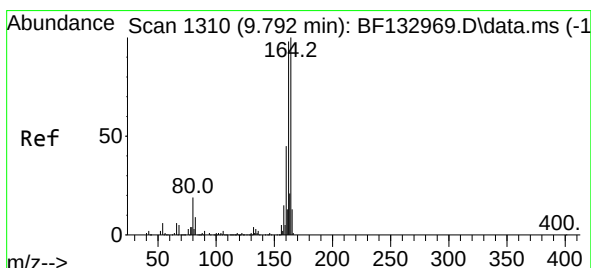
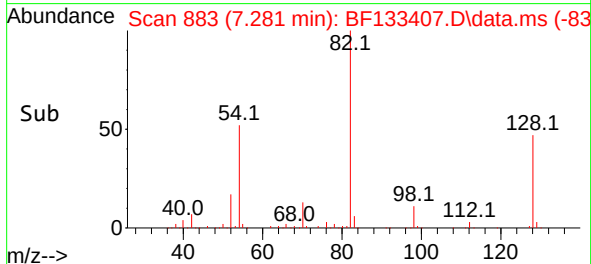
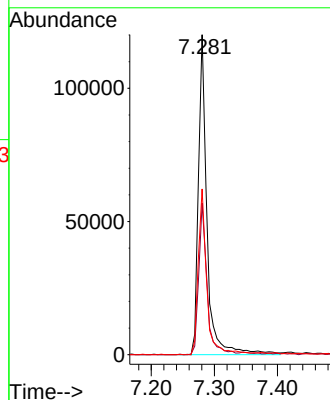
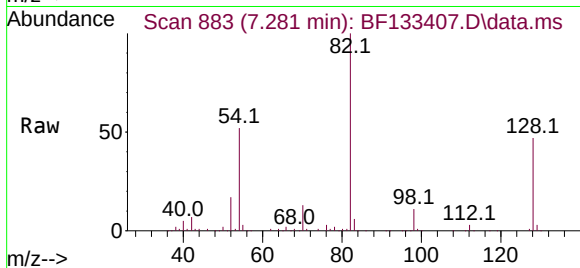
CHRT-25990DL

Tgt Ion:	82	Resp:	11374
Ion Ratio	Lower	Upper	
82	100		
128	47.3	37.7	56.5
54	51.8	43.0	64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

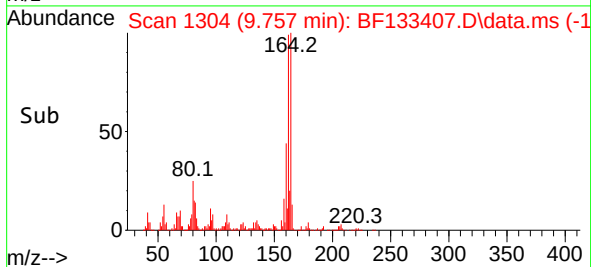
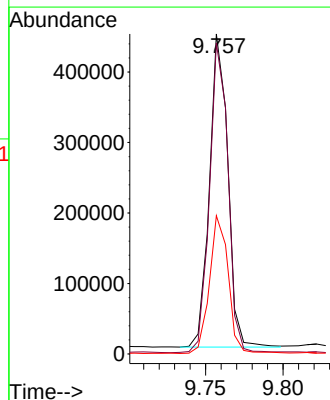
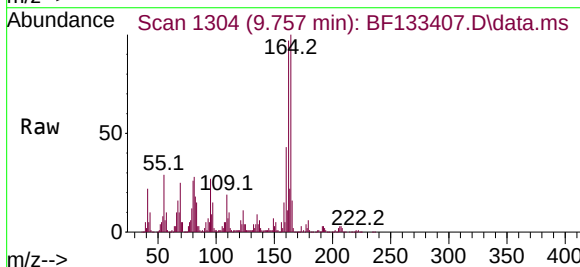
RT: 9.757 min Scan# 1304

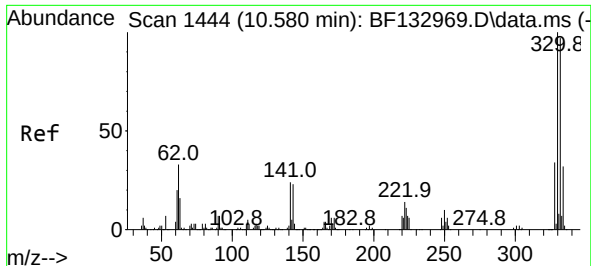
Delta R.T. -0.006 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Tgt Ion:	164	Resp:	365427
Ion Ratio	Lower	Upper	
164	100		
162	97.2	78.7	118.1
160	43.2	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 10.049 ng
RT: 10.551 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

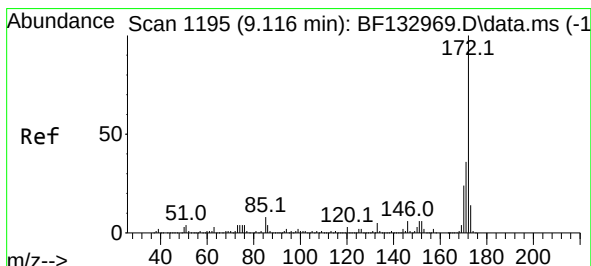
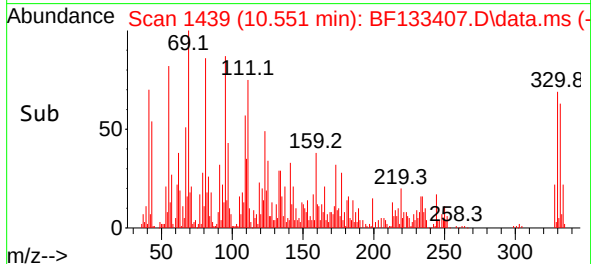
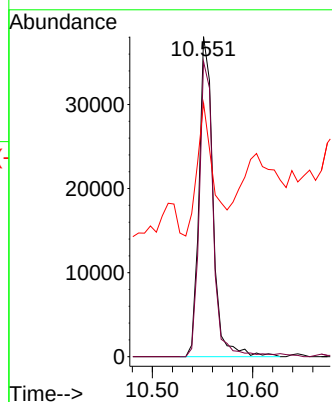
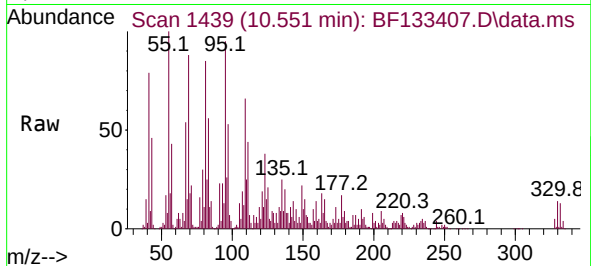
CHRT-25990DL

Tgt Ion:330 Resp: 3693
Ion Ratio Lower Upper
330 100
332 92.4 77.1 115.7
141 47.4 25.8 38.8

Manual Integrations

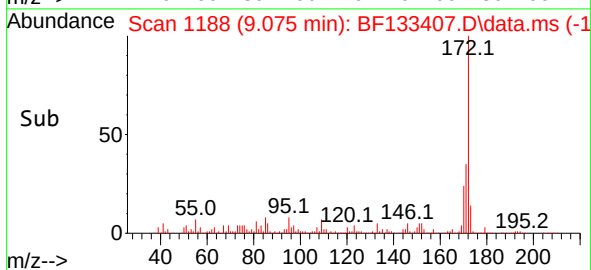
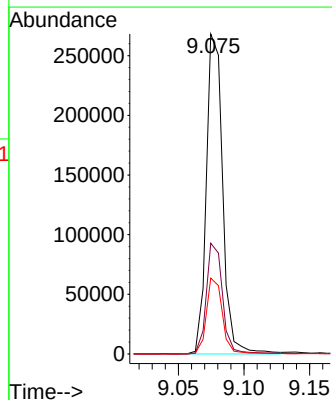
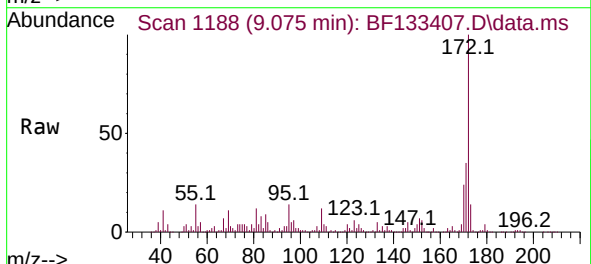
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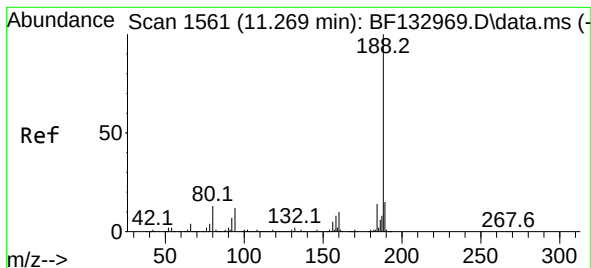
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#45
2-Fluorobiphenyl
Concen: 10.688 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

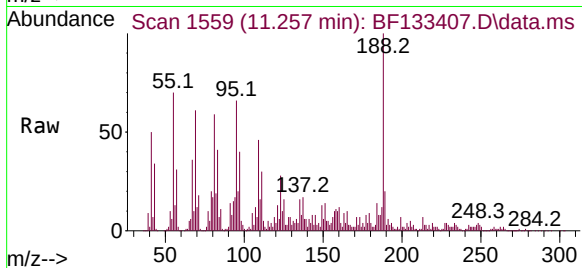
Tgt Ion:172 Resp: 233464
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.7 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. 0.012 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

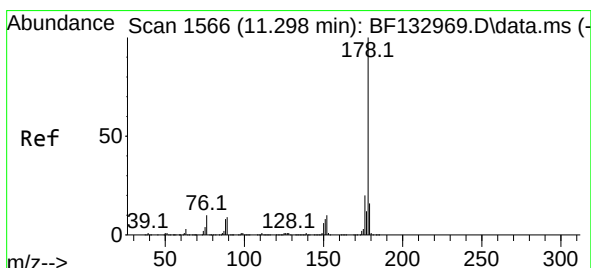
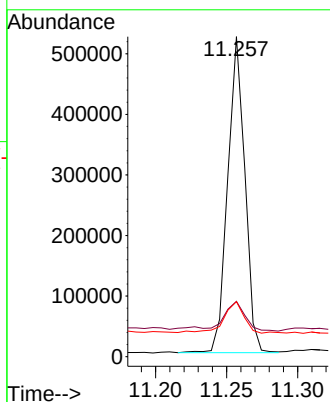
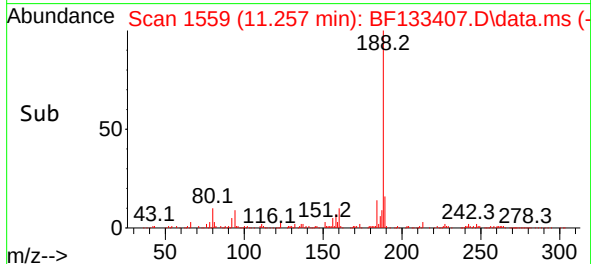
Instrument :
BNA_F
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CHRT-25990DL



Tgt Ion:188 Resp: 43776
Ion Ratio Lower Upper
188 100
94 17.3 9.7 14.5
80 17.2 10.4 15.6

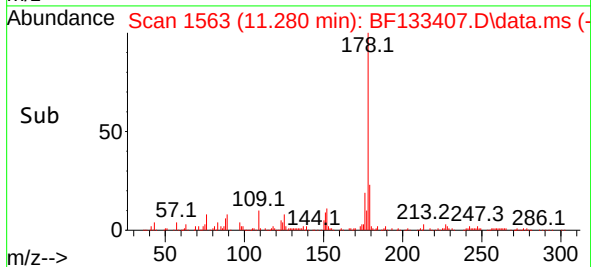
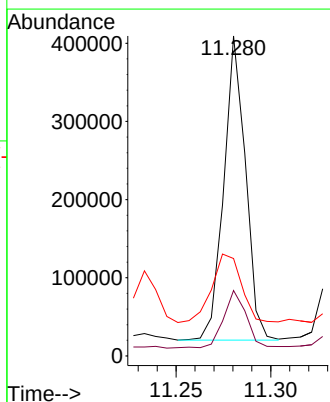
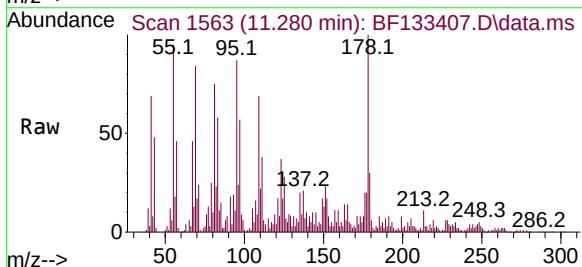
Manual Integrations
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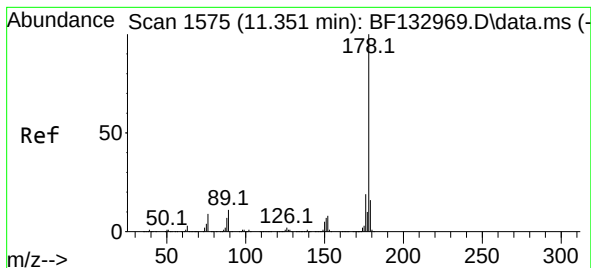
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#71
Phenanthrene
Concen: 13.168 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.012 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

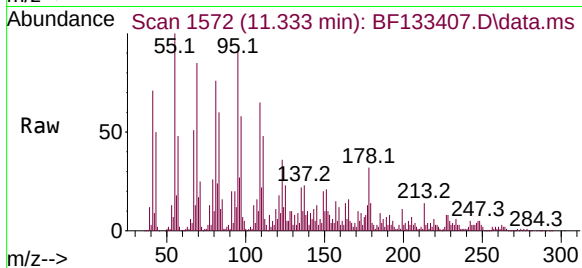
Tgt Ion:178 Resp: 309817
Ion Ratio Lower Upper
178 100
176 20.5 15.9 23.9
179 30.4 12.5 18.7





#72
 Anthracene
 Concen: 3.520 ng
 RT: 11.333 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF133407.D
 Acq: 16 May 2023 17:43

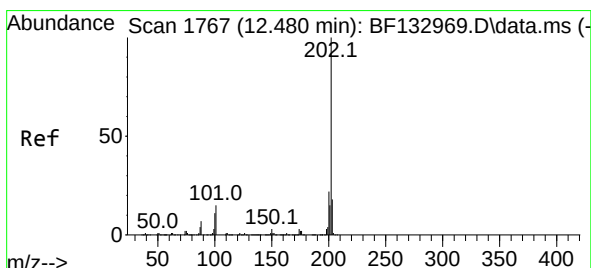
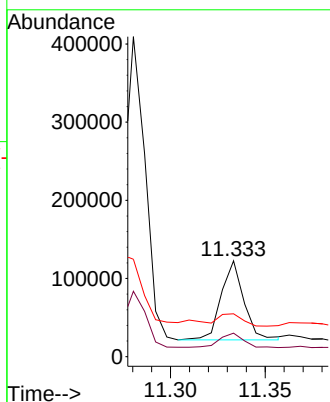
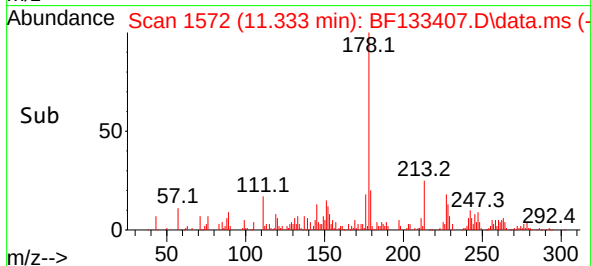
Instrument :
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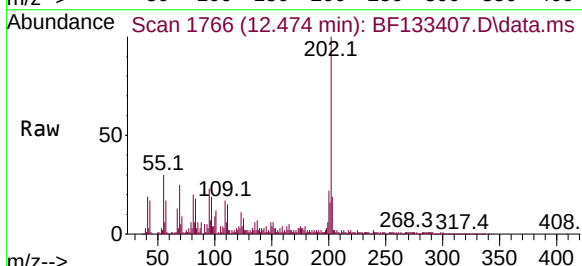
Tgt Ion:178 Resp: 84754
 Ion Ratio Lower Upper
 178 100
 176 24.6 15.4 23.0
 179 44.7 12.4 18.6

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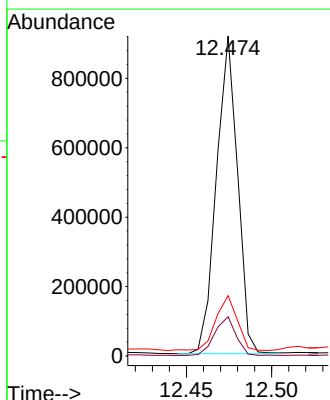
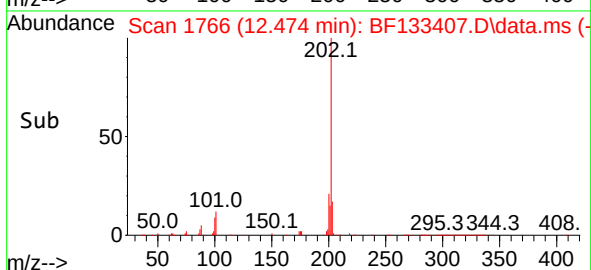
Reviewed By :Christian Giraldo 05/17/2023
 Supervised By :Jagrut Upadhyay 05/17/2023

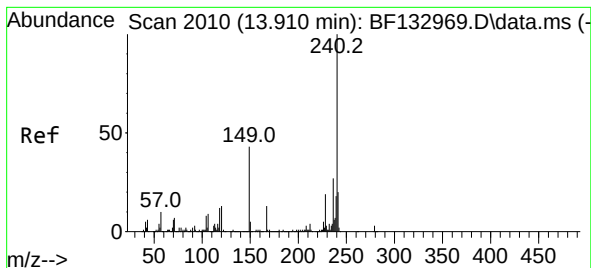


#75
 Fluoranthene
 Concen: 33.567 ng
 RT: 12.474 min Scan# 1766
 Delta R.T. 0.018 min
 Lab File: BF133407.D
 Acq: 16 May 2023 17:43



Tgt Ion:202 Resp: 792629
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 35.3
 203 18.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

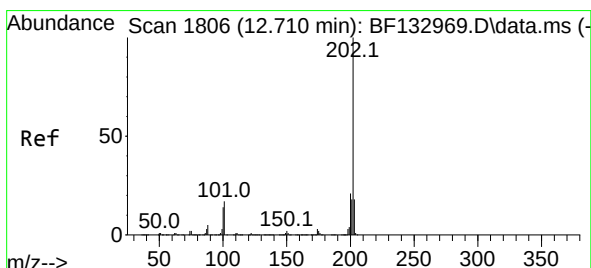
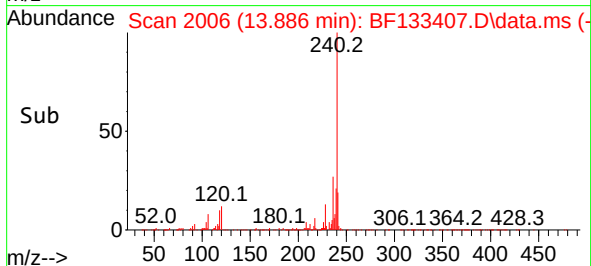
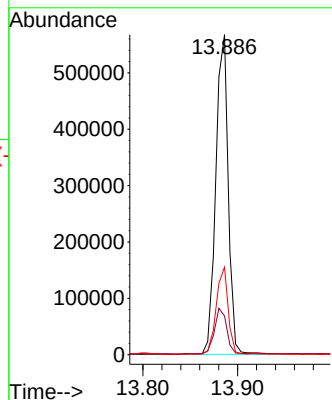
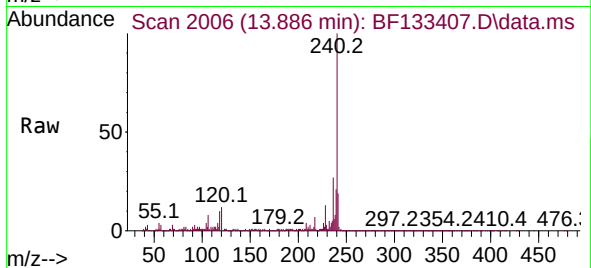
CHRT-25990DL

Tgt Ion:240 Resp: 520200
Ion Ratio Lower Upper
240 100
120 12.1 10.5 15.7
236 27.3 21.5 32.3

Manual Integrations

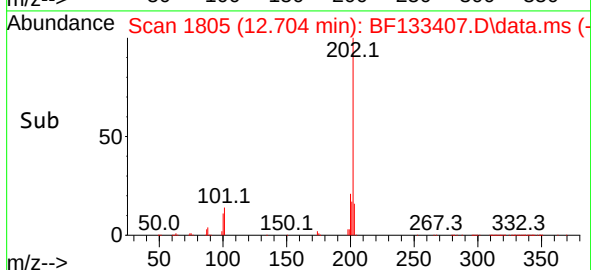
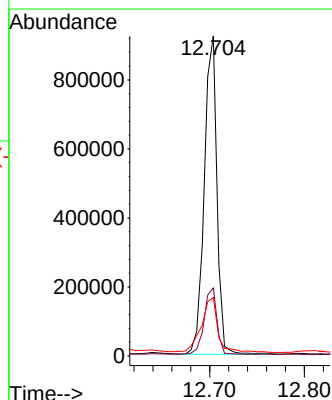
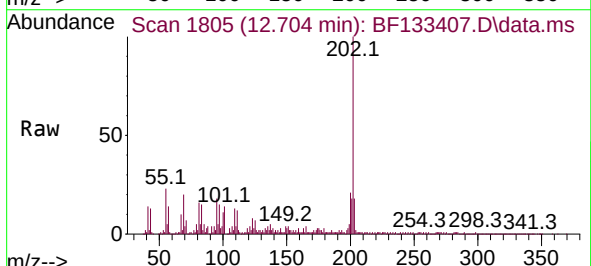
APPROVED

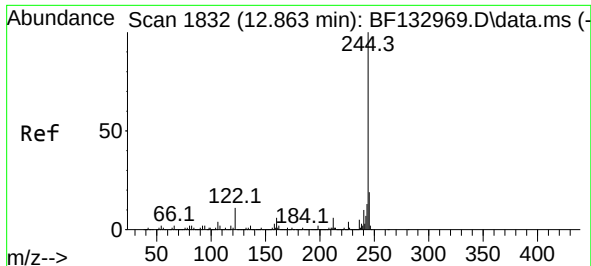
Reviewed By :Christian Giraldo 05/17/2023
Supervised By :Jagrut Upadhyay 05/17/2023



#78
Pyrene
Concen: 19.291 ng
RT: 12.704 min Scan# 1805
Delta R.T. 0.018 min
Lab File: BF133407.D
Acq: 16 May 2023 17:43

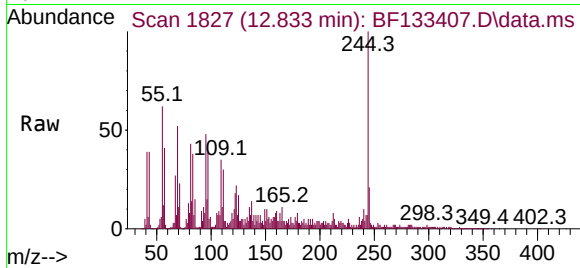
Tgt Ion:202 Resp: 860267
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 7.796 ng
 RT: 12.833 min Scan# 1832
 Delta R.T. -0.000 min
 Lab File: BF133407.D
 Acq: 16 May 2023 17:43

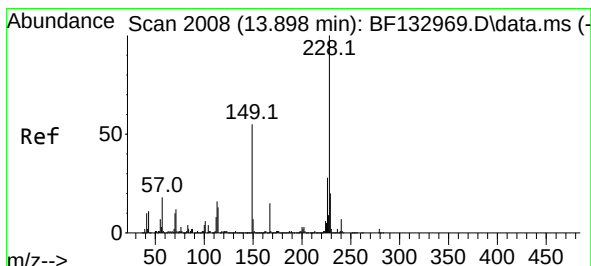
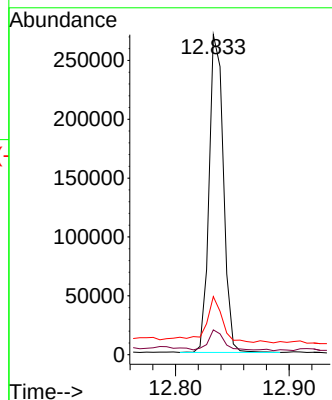
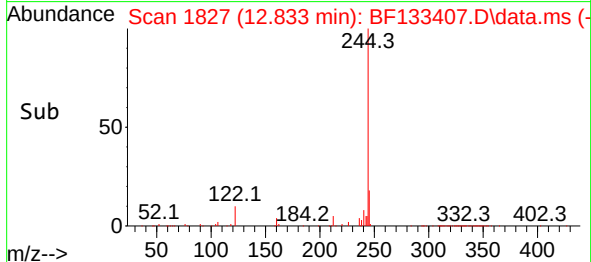
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-25990DL



Tgt Ion:244 Resp: 23516
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.1 7.7
 122 18.2 8.6 13.0

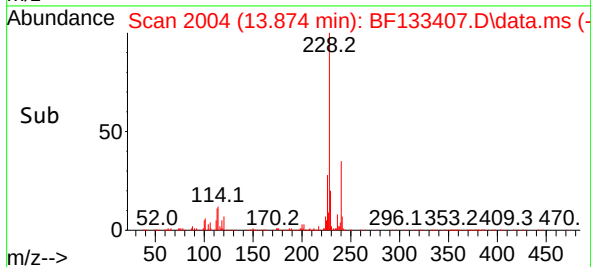
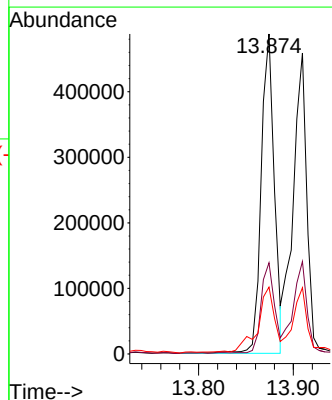
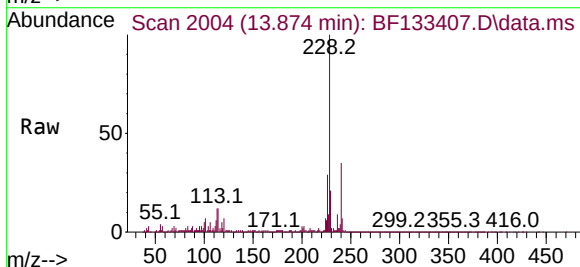
Manual Integrations
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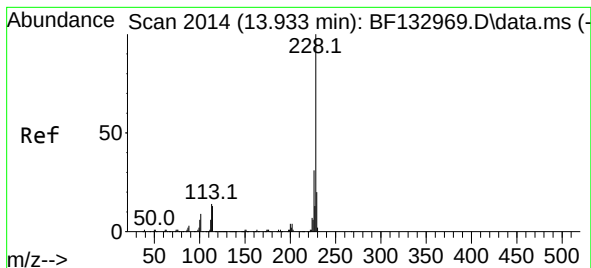
Reviewed By :Christian Giraldo 05/17/2023
 Supervised By :Jagrut Upadhyay 05/17/2023



#81
 Benzo(a)anthracene
 Concen: 13.150 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. -0.000 min
 Lab File: BF133407.D
 Acq: 16 May 2023 17:43

Tgt Ion:228 Resp: 470400
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.2 33.4
 229 20.9 16.0 24.0





#83

Chrysene

Concen: 12.962 ng

RT: 13.910 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

CHRT-25990DL

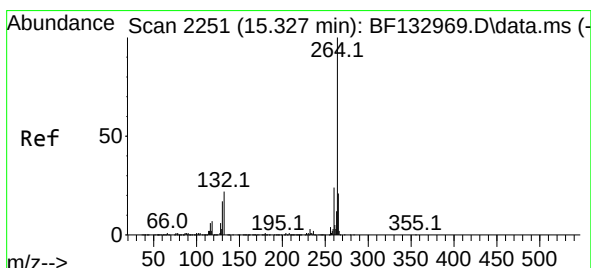
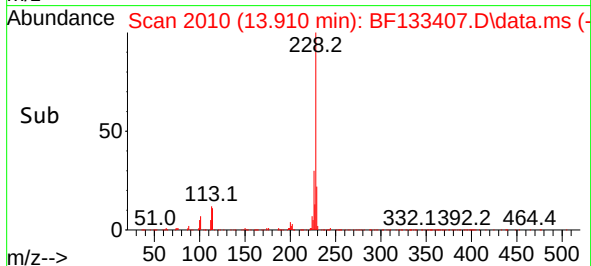
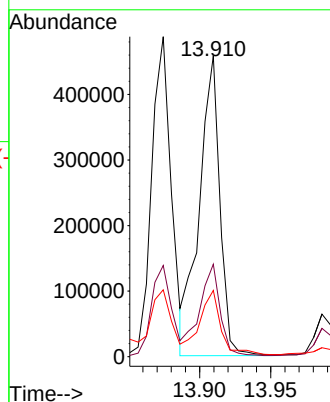
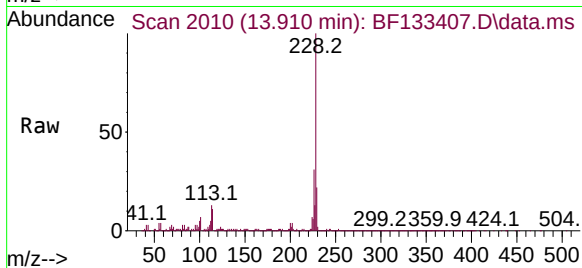
Tgt Ion:228 Resp: 463564

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	22.0	16.1	24.1

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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: 15.304 min Scan# 2247

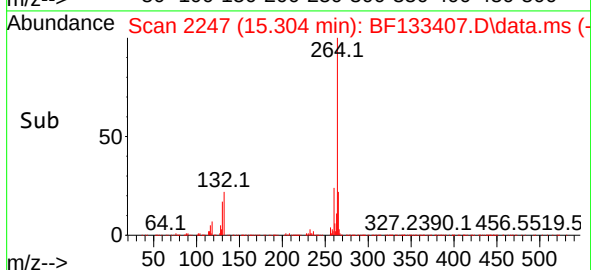
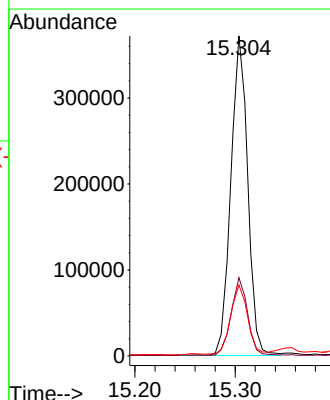
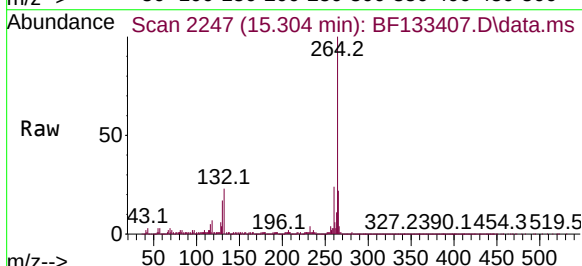
Delta R.T. -0.000 min

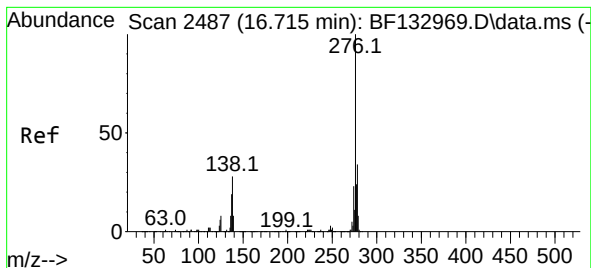
Lab File: BF133407.D

Acq: 16 May 2023 17:43

Tgt Ion:264 Resp: 433637

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.1	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.869 ng

RT: 16.686 min Scan# 2487

Delta R.T. -0.012 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

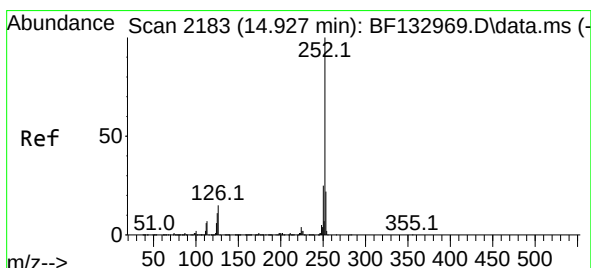
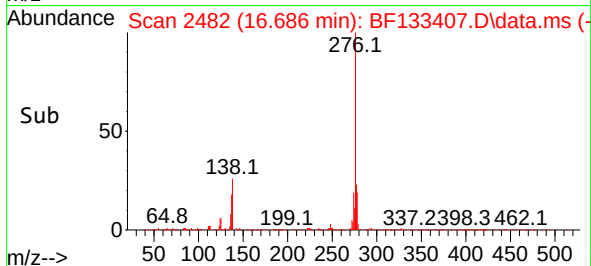
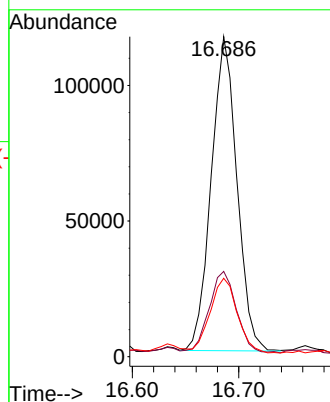
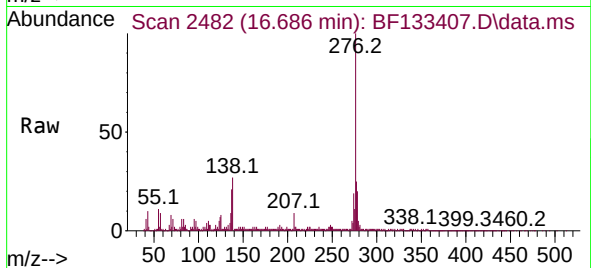
CHRT-25990DL

Tgt Ion:276 Resp: 194091
 Ion Ratio Lower Upper
 276 100
 138 27.5 25.5 38.3
 277 25.3 20.4 30.6

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 17.943 ng m

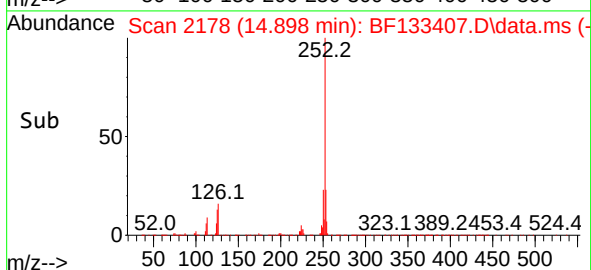
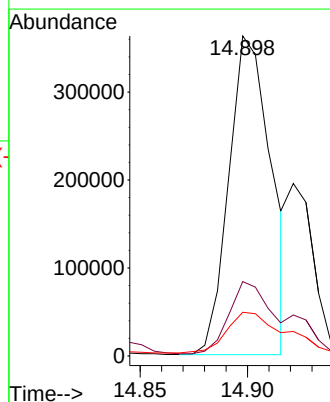
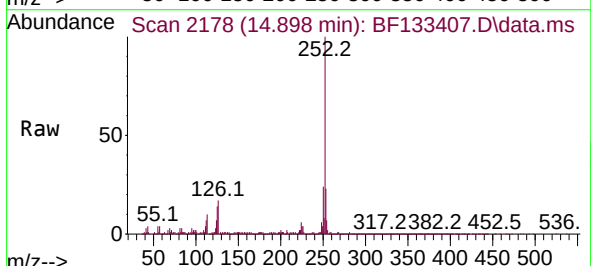
RT: 14.898 min Scan# 2178

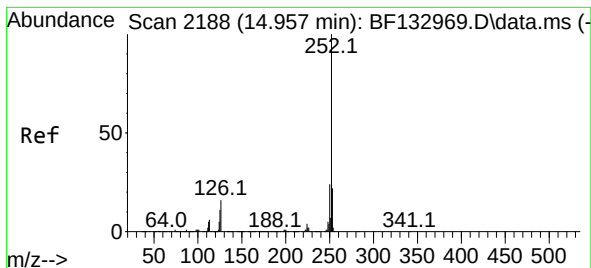
Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Tgt Ion:252 Resp: 494993
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.6 26.4
 125 13.7 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.921 ng m

RT: 14.921 min Scan# 2188

Delta R.T. -0.006 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

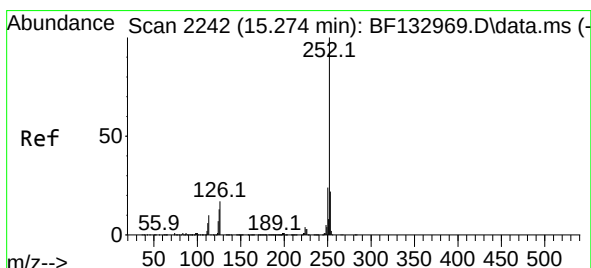
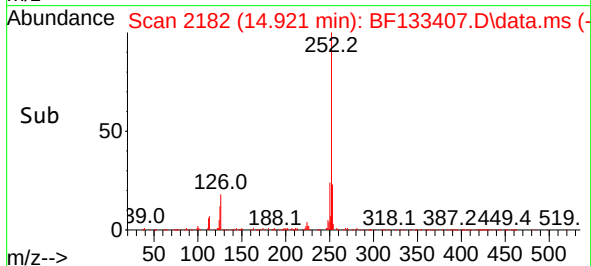
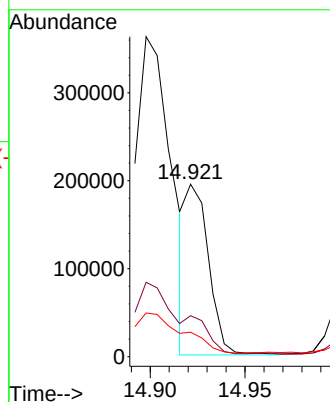
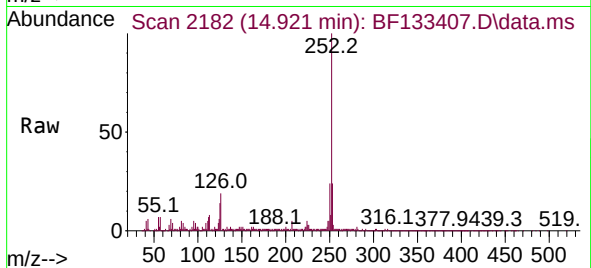
CHRT-25990DL

Tgt Ion:	252	Resp:	16191
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	14.2	9.0	13.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/17/2023



#90

Benzo(a)pyrene

Concen: 13.988 ng

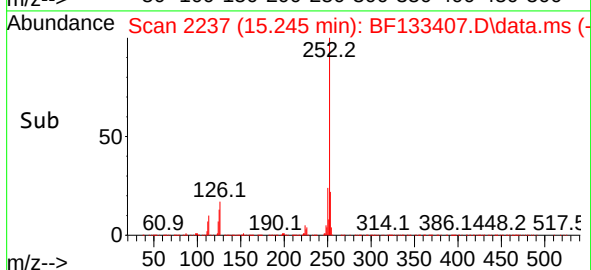
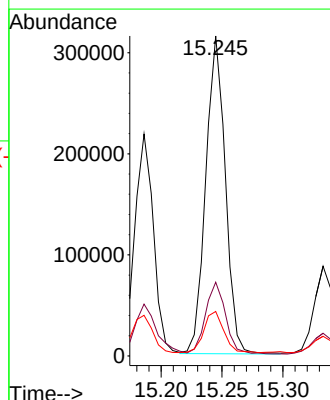
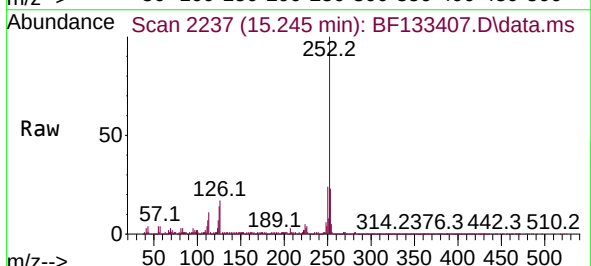
RT: 15.245 min Scan# 2237

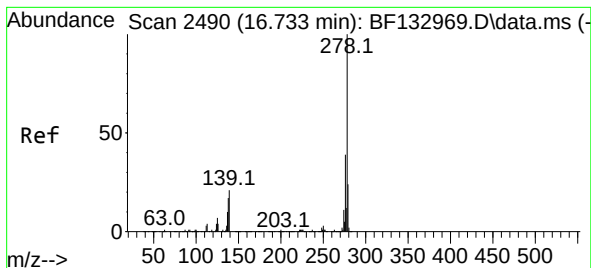
Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Tgt Ion:	252	Resp:	351252
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	13.9	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 2.385 ng

RT: 16.692 min Scan# 2490

Delta R.T. -0.012 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA_F

ClientSampleId :

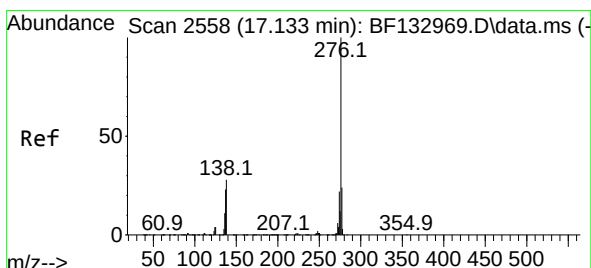
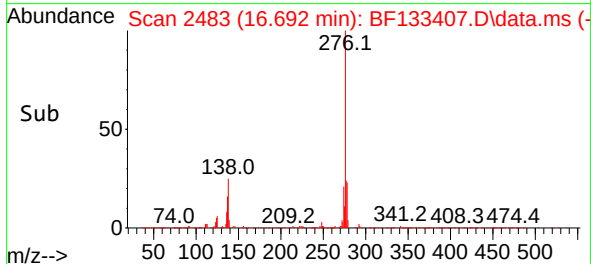
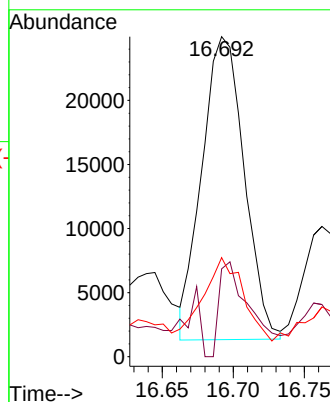
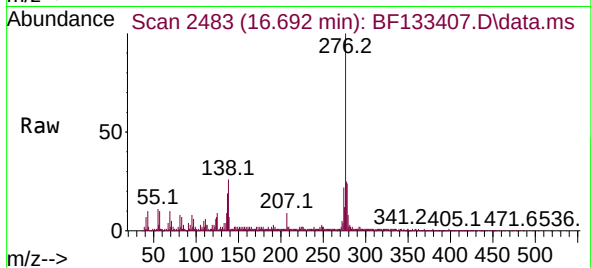
CHRT-25990DL

Tgt Ion:	278	Resp:	4906
Ion Ratio	Lower	Upper	
278	100		
139	27.4	16.6	24.8
279	30.9	18.8	28.2

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: 9.956 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.006 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Tgt Ion:	276	Resp:	202206
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.4	29.0
138	25.6	22.7	34.1

