

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009410.D
 Acq On : 15 Mar 2022 21:53
 Operator : CG/JU
 Sample : N1944-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-24449

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/16/2022
 Supervised By : Jagrut Upadhyay 03/16/2022

Quant Time: Mar 16 01:58:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	347265	20.000	ng	-0.01
21) Naphthalene-d8	10.605	136	1385476	20.000	ng	-0.01
39) Acenaphthene-d10	14.457	164	837372	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1435349	20.000	ng	# 0.02
76) Chrysene-d12	21.333	240	1856214	20.000	ng	# 0.00
86) Perylene-d12	23.739	264	2072339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	907490	38.145	ng	0.01
7) Phenol-d6	7.005	99	1112325	36.792	ng	0.02
23) Nitrobenzene-d5	8.963	82	733920	29.177	ng	-0.01
42) 2,4,6-Tribromophenol	15.969	330	615786	60.901	ng	0.01
45) 2-Fluorobiphenyl	13.075	172	1683946	27.655	ng	-0.01
79) Terphenyl-d14	19.810	244	2726609	27.720	ng	0.01
Target Compounds						Qvalue
75) Fluoranthene	19.275	202	812990	8.539	ng	76
78) Pyrene	19.622	202	757404	6.043	ng	# 84
81) Benzo(a)anthracene	21.316	228	457205	3.634	ng	97
83) Chrysene	21.369	228	560095	4.585	ng	97
87) Indeno(1,2,3-cd)pyrene	26.245	276	449990	2.795	ng	# 92
88) Benzo(b)fluoranthene	23.010	252	872565	6.236	ng	97
89) Benzo(k)fluoranthene	23.051	252	281919m	2.109	ng	
90) Benzo(a)pyrene	23.633	252	516930	3.895	ng	97
92) Benzo(g,h,i)perylene	27.015	276	463023	3.433	ng	95

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

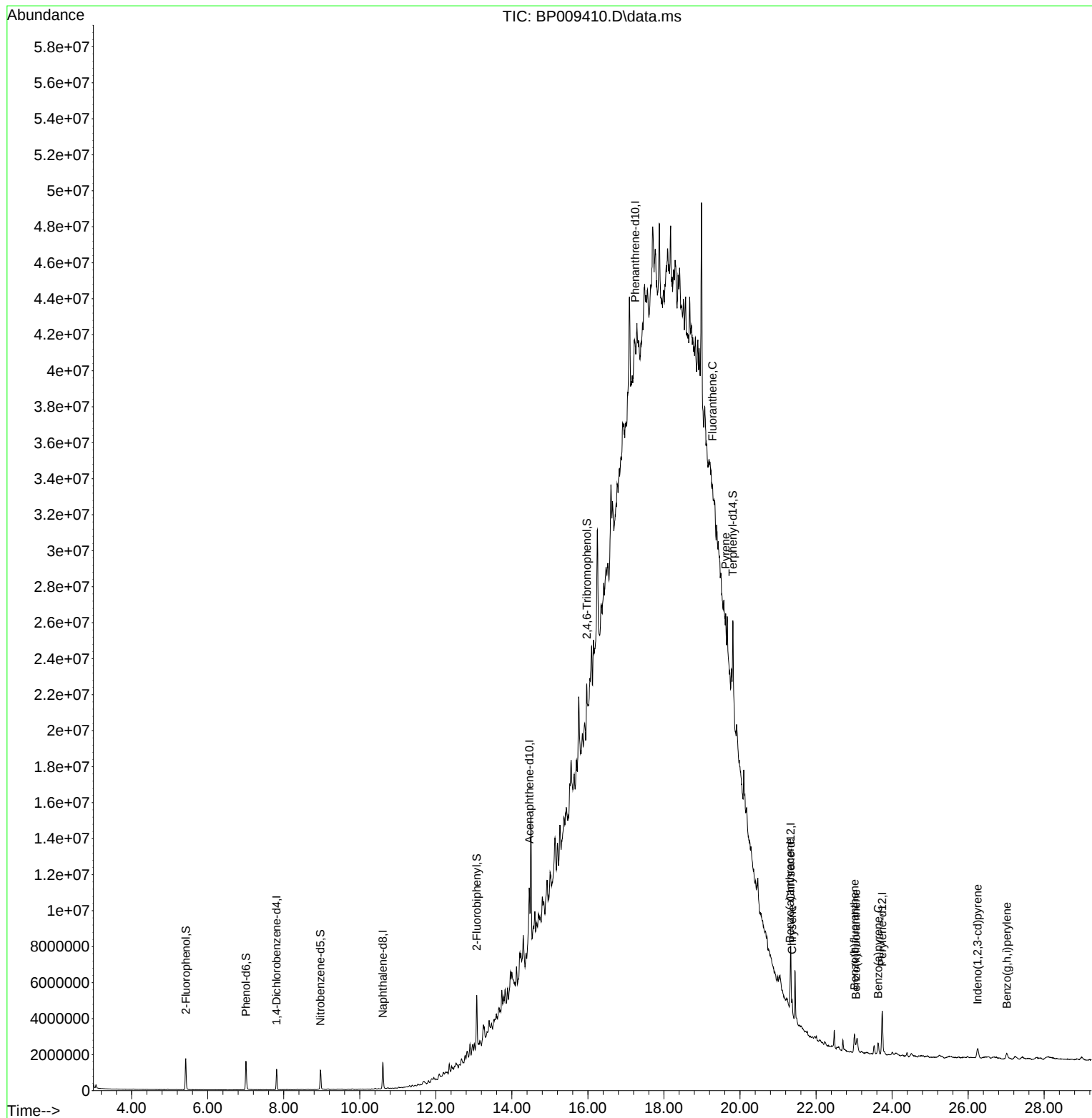
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
Data File : BP009410.D
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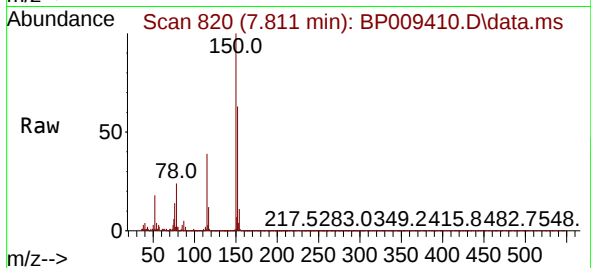
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

Instrument :

BNA_P

ClientSampleId :

CHRT-24449

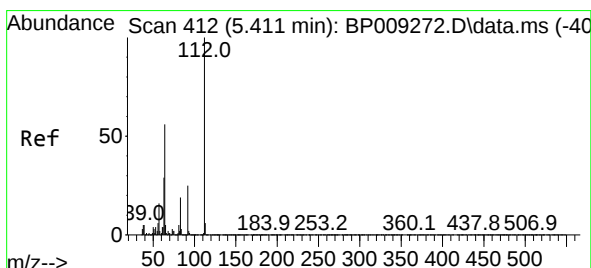
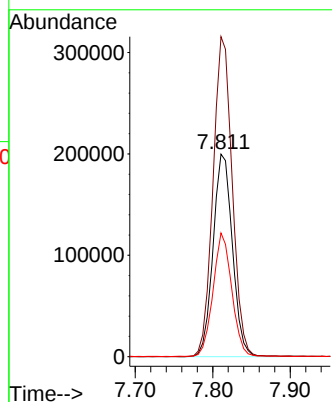
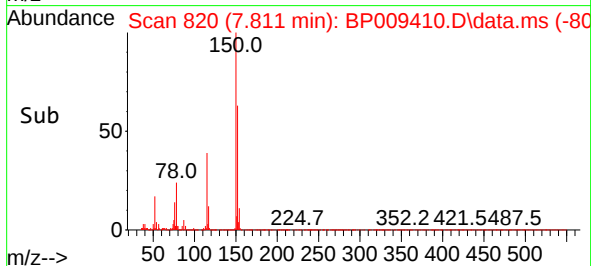


Tgt Ion:152 Resp: 34726
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 61.0 48.2 72.4

Manual Integrations

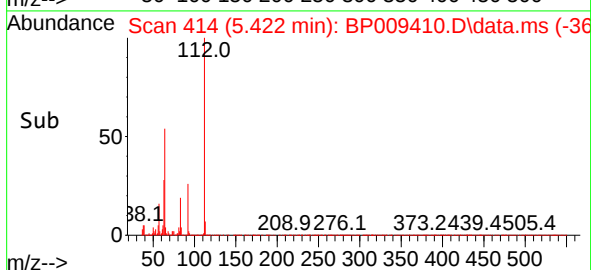
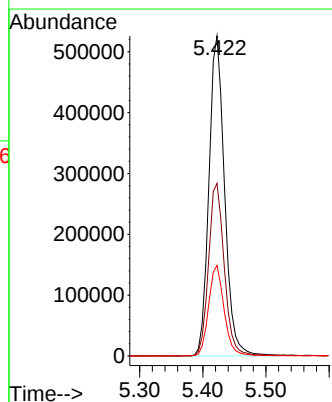
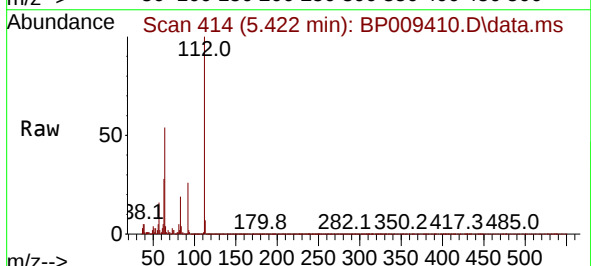
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Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#5
2-Fluorophenol
Concen: 38.145 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

Tgt Ion:112 Resp: 907490
Ion Ratio Lower Upper
112 100
64 53.9 45.0 67.4
63 28.3 23.0 34.6





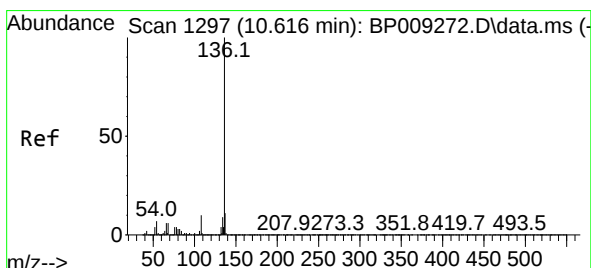
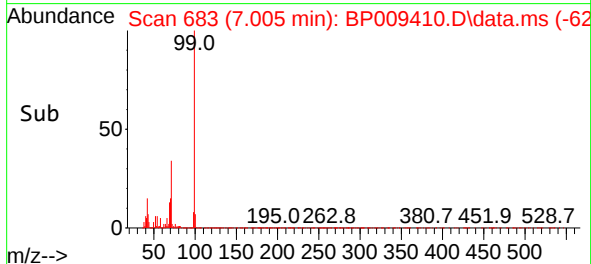
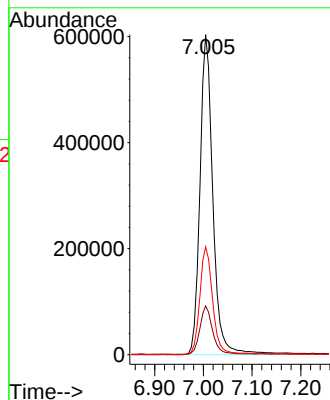
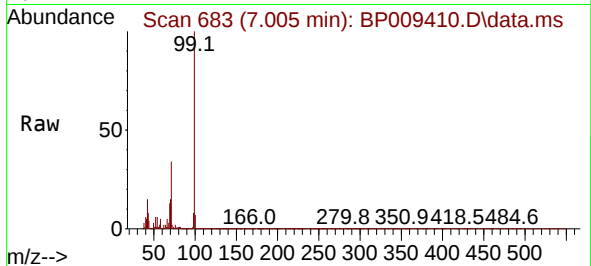
#7
Phenol-d6
Concen: 36.792 ng
RT: 7.005 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

Instrument :
BNA_P
ClientSampleId :
CHRT-24449

Tgt Ion: 99 Resp: 111232
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 33.7 26.3 39.5

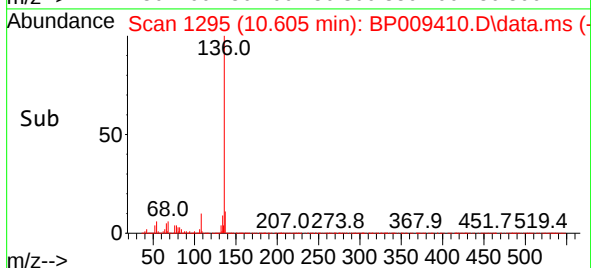
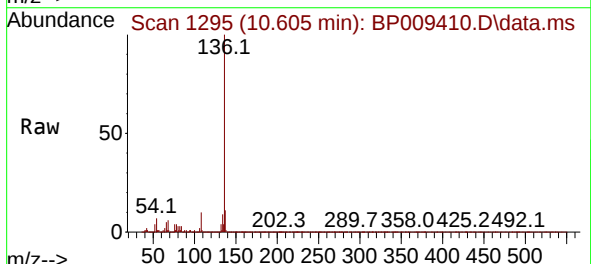
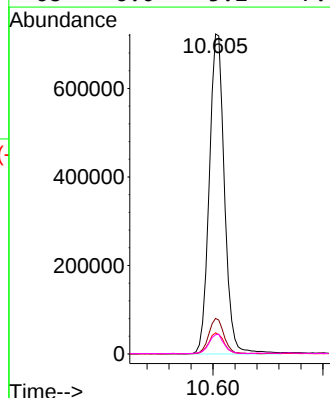
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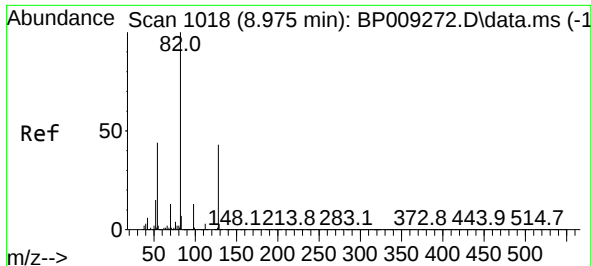
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

Tgt Ion:136 Resp: 1385476
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.6 5.8 8.8
68 6.0 5.2 7.8





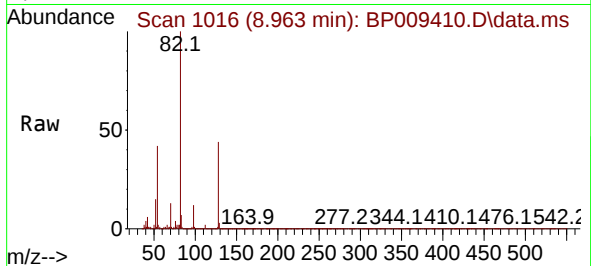
#23
Nitrobenzene-d5
Concen: 29.177 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

Instrument :

BNA_P

ClientSampleId :

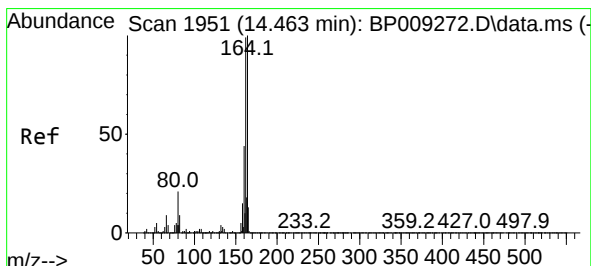
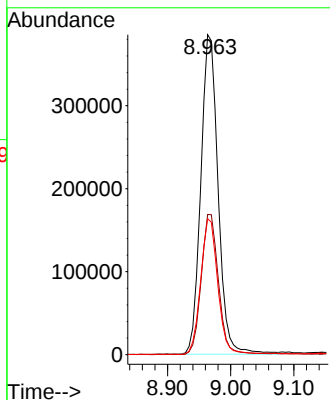
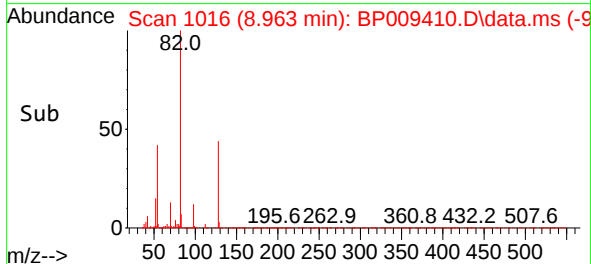
CHRT-24449



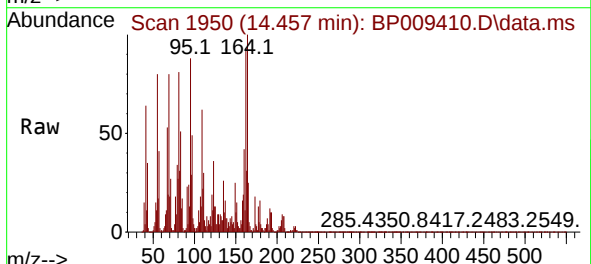
Tgt Ion: 82 Resp: 733920
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 42.5 34.7 52.1

Manual Integrations
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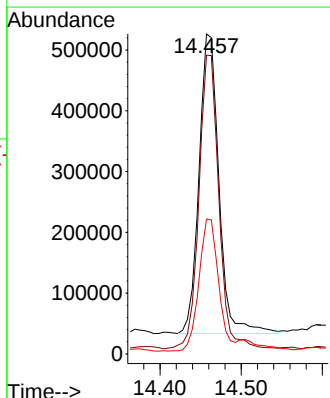
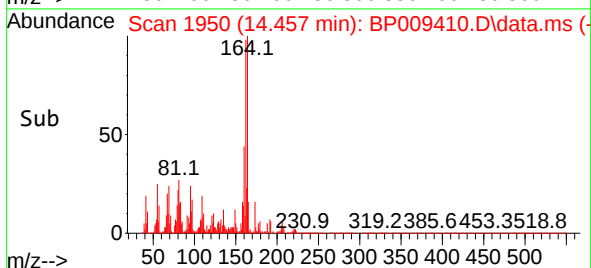
Reviewed By :Christian Giraldo 03/16/2022
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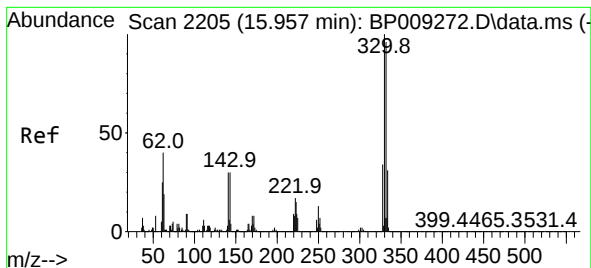


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53



Tgt Ion:164 Resp: 837372
Ion Ratio Lower Upper
164 100
162 93.4 79.1 118.7
160 42.1 34.9 52.3





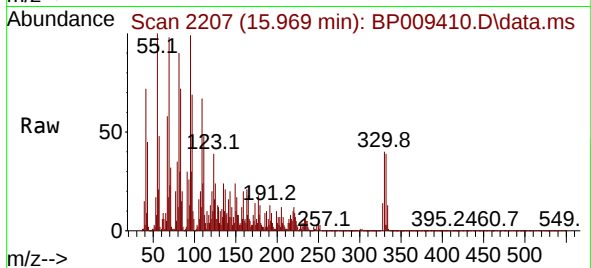
#42
2,4,6-Tribromophenol
Concen: 60.901 ng
RT: 15.969 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

Instrument :

BNA_P

ClientSampleId :

CHRT-24449

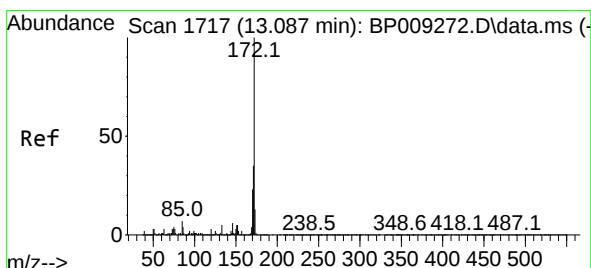
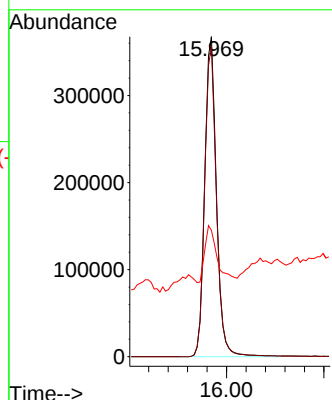
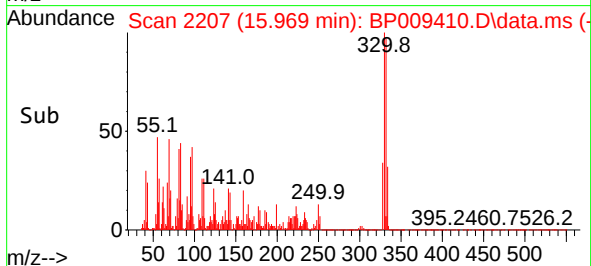


Tgt Ion: 330 Resp: 615780
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 18.9 27.6 41.4

Manual Integrations

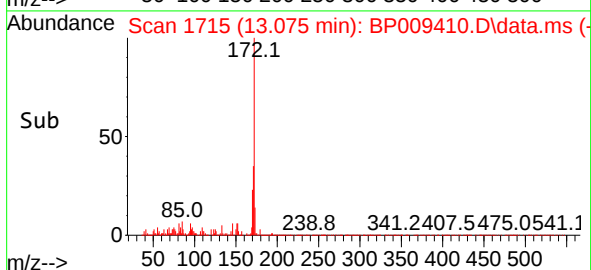
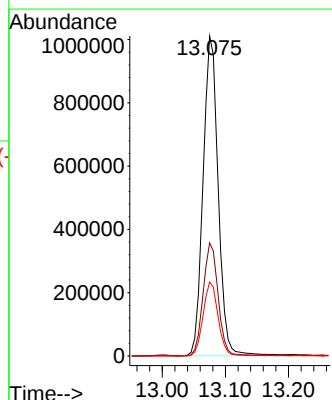
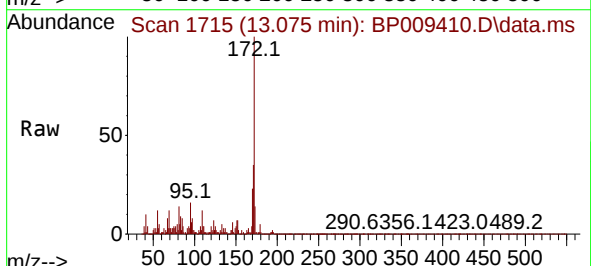
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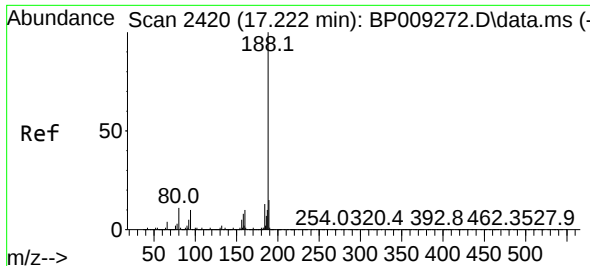
Reviewed By : Christian Giraldo 03/16/2022
Supervised By : Jagrut Upadhyay 03/16/2022



#45
2-Fluorobiphenyl
Concen: 27.655 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

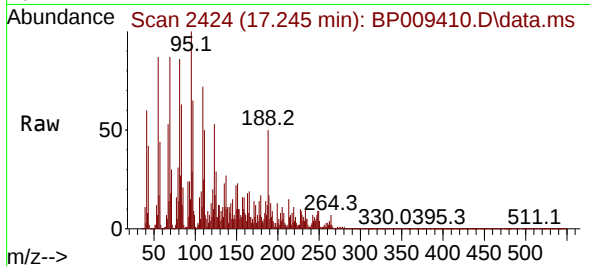
Tgt Ion: 172 Resp: 1683946
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.1 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.024 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

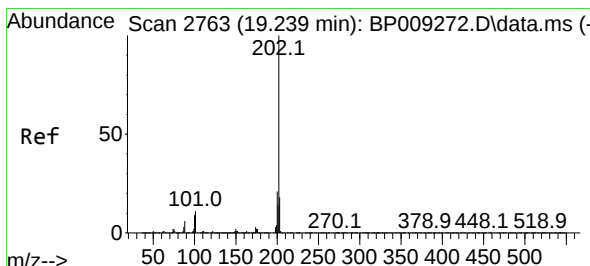
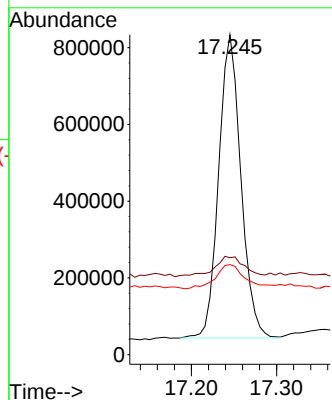
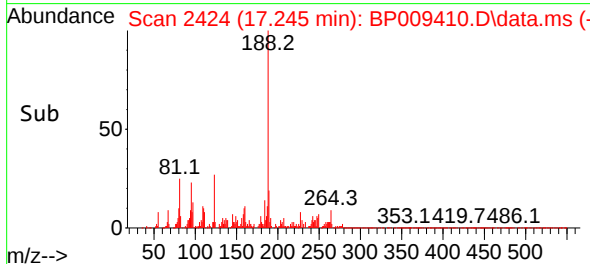
Instrument :
BNA_P
ClientSampleId :
CHRT-24449



Tgt Ion:188 Resp: 1435349
Ion Ratio Lower Upper
188 100
94 30.3 7.9 11.9
80 28.1 8.8 13.2

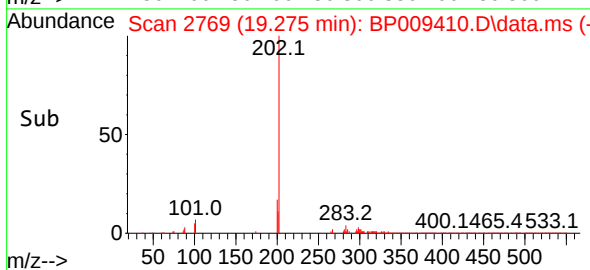
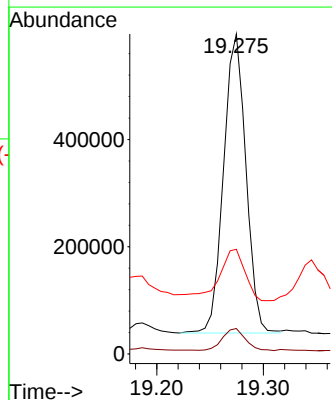
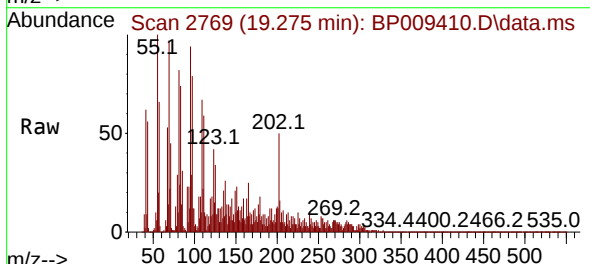
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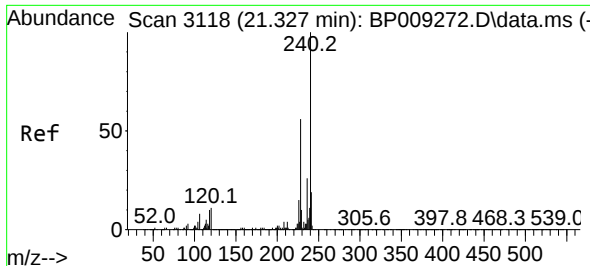
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#75
Fluoranthene
Concen: 8.539 ng
RT: 19.275 min Scan# 2769
Delta R.T. 0.035 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

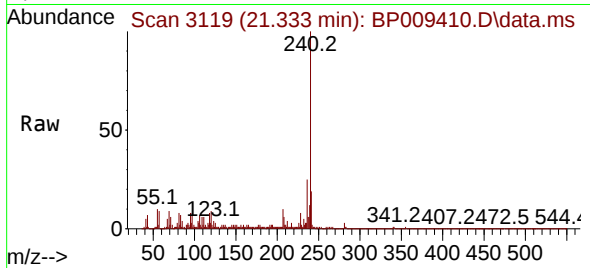
Tgt Ion:202 Resp: 812990
Ion Ratio Lower Upper
202 100
101 7.9 0.0 31.5
203 32.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

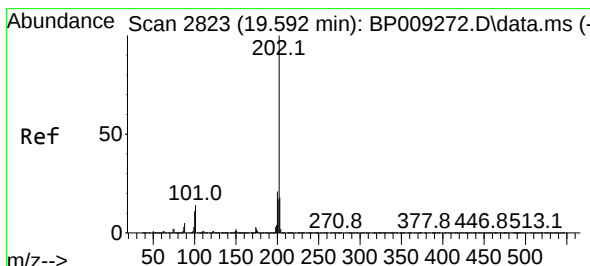
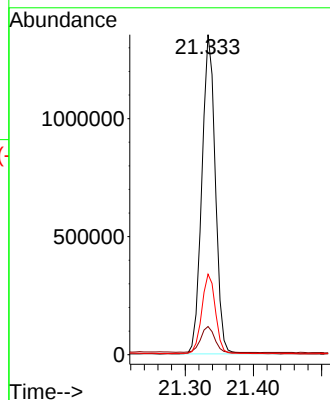
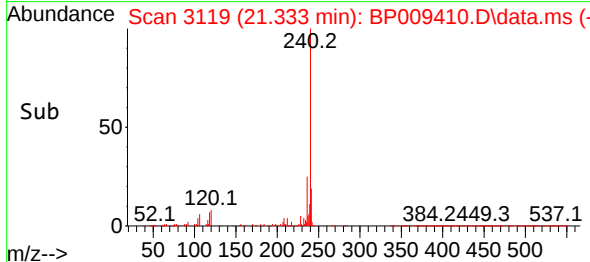
Instrument :
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CHRT-24449



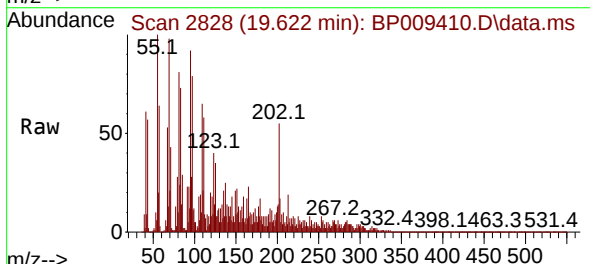
Tgt Ion:240 Resp: 1856214
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4
236 25.1 20.6 30.8

Manual Integrations
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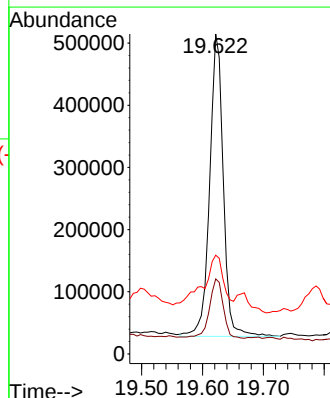
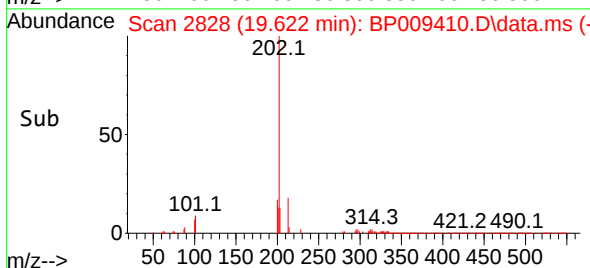
Reviewed By :Christian Giraldo 03/16/2022
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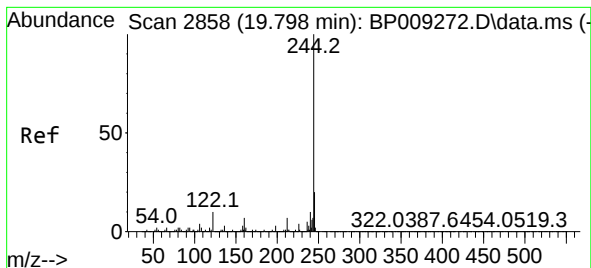


#78
Pyrene
Concen: 6.043 ng
RT: 19.622 min Scan# 2828
Delta R.T. 0.029 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53



Tgt Ion:202 Resp: 757404
Ion Ratio Lower Upper
202 100
200 23.5 16.8 25.2
203 30.8 14.2 21.4





#79

Terphenyl-d14

Concen: 27.720 ng

RT: 19.810 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP009410.D

Acq: 15 Mar 2022 21:53

Instrument :

BNA_P

ClientSampleId :

CHRT-24449

Tgt Ion:244 Resp: 2726609

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.6

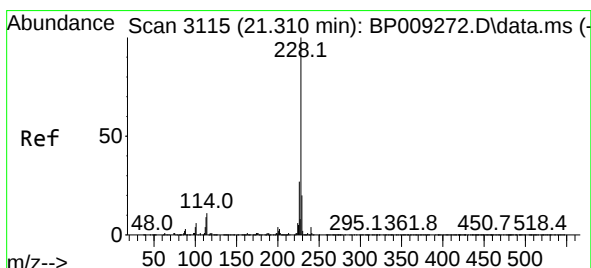
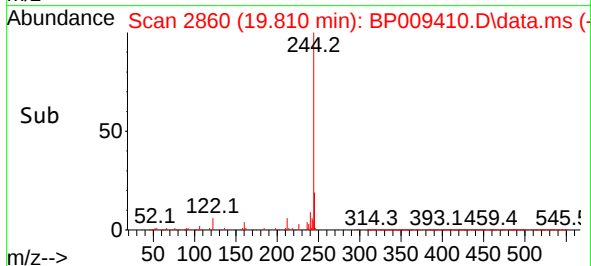
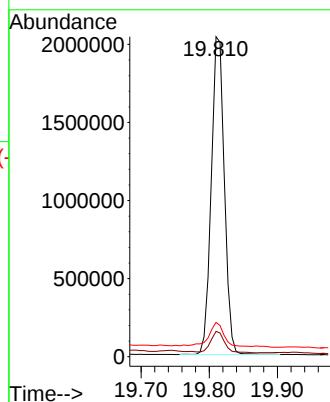
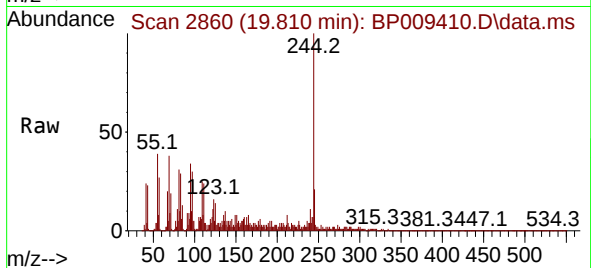
122 10.7 8.3 12.5

Manual Integrations

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#81

Benzo(a)anthracene

Concen: 3.634 ng

RT: 21.316 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BP009410.D

Acq: 15 Mar 2022 21:53

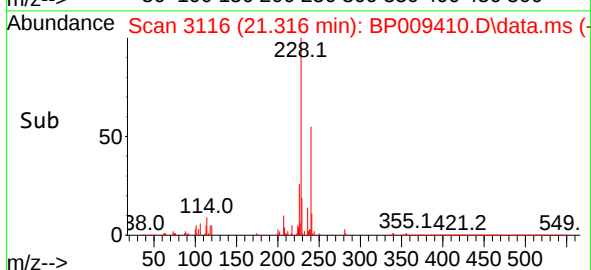
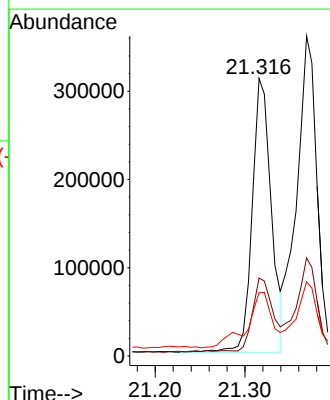
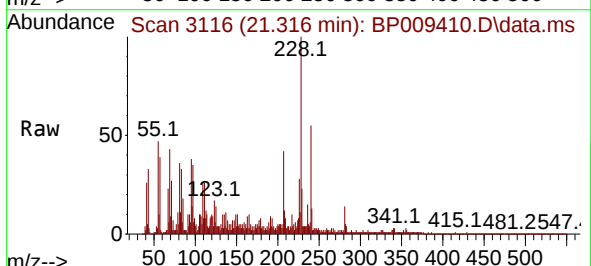
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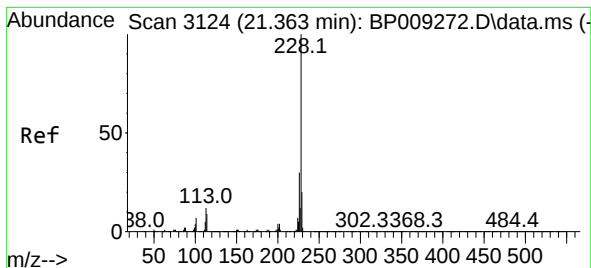
Ion Ratio Lower Upper

228 100

226 28.1 22.0 33.0

229 22.8 16.1 24.1





#83

Chrysene

Concen: 4.585 ng

RT: 21.369 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP009410.D

Acq: 15 Mar 2022 21:53

Instrument :

BNA_P

ClientSampleId :

CHRT-24449

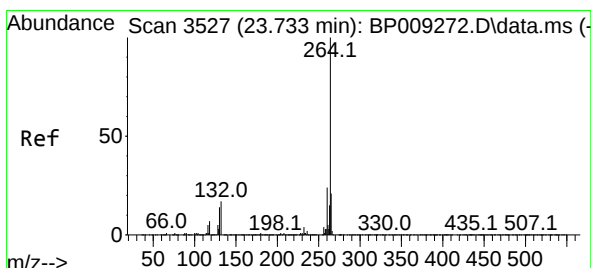
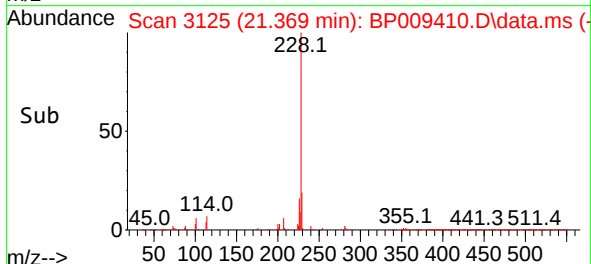
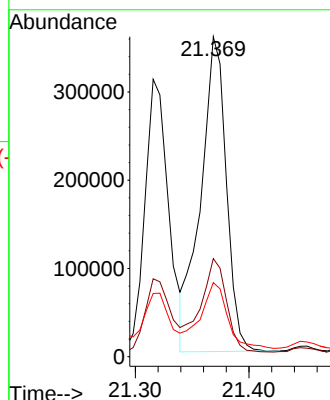
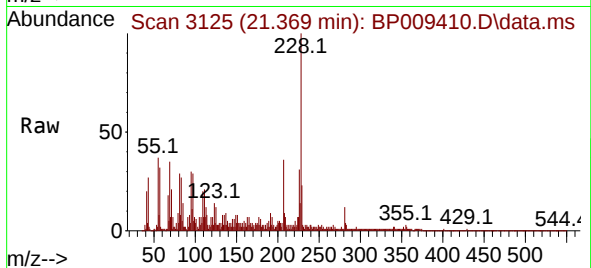
Tgt Ion:228 Resp: 560095
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.2 36.2
 229 23.1 16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2022

Supervised By :Jagrut Upadhyay 03/16/2022



#86

Perylene-d12

Concen: 20.000 ng

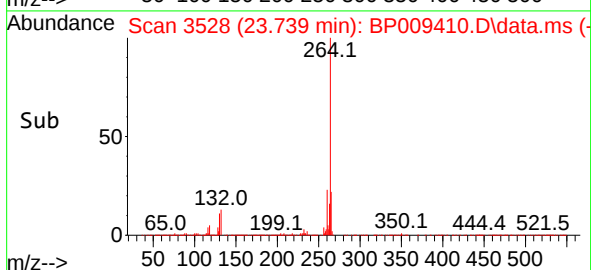
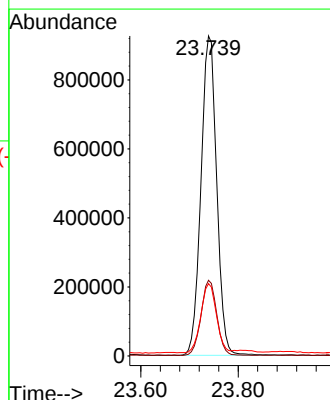
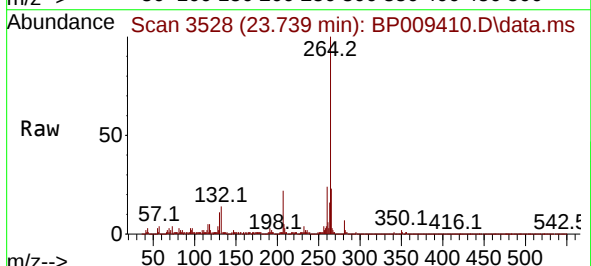
RT: 23.739 min Scan# 3528

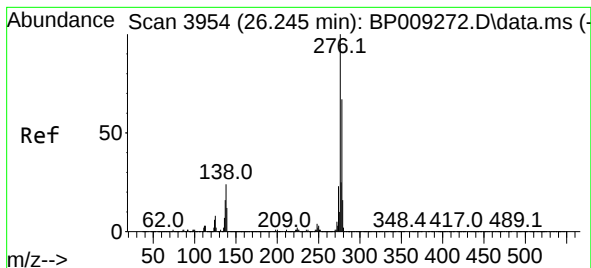
Delta R.T. 0.006 min

Lab File: BP009410.D

Acq: 15 Mar 2022 21:53

Tgt Ion:264 Resp: 2072339
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.0
 265 22.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.795 ng

RT: 26.245 min Scan# 3954

Delta R.T. 0.000 min

Lab File: BP009410.D

Acq: 15 Mar 2022 21:53

Instrument :

BNA_P

ClientSampleId :

CHRT-24449

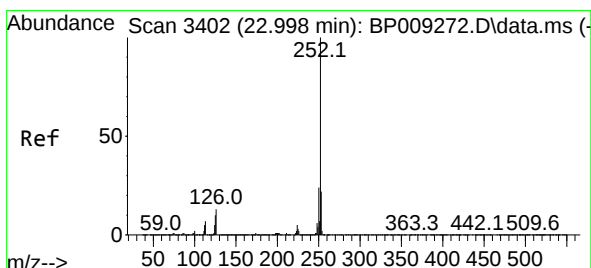
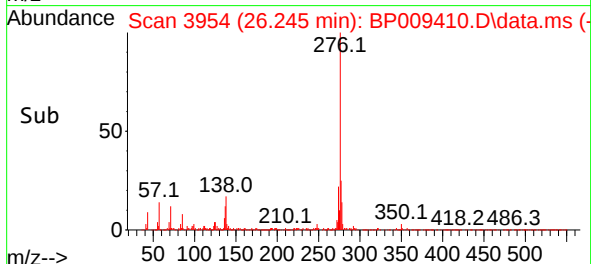
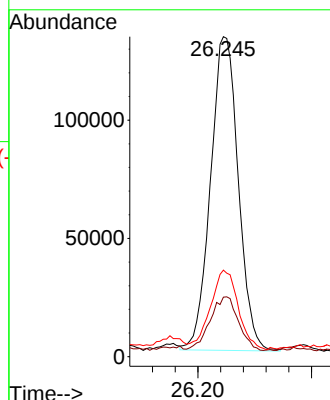
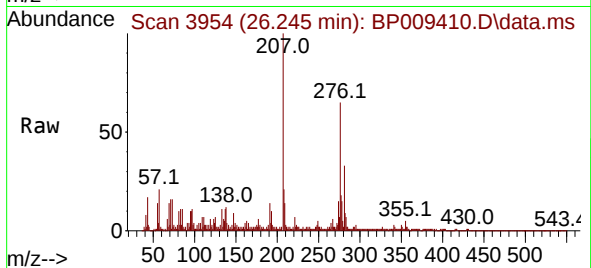
Tgt Ion:	276	Resp:	449990
Ion Ratio	Lower	Upper	
276	100		
138	17.4	20.5	30.7
277	25.6	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/16/2022

Supervised By :Jagrut Upadhyay 03/16/2022



#88

Benzo(b)fluoranthene

Concen: 6.236 ng

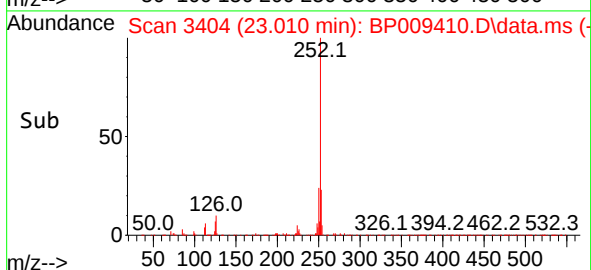
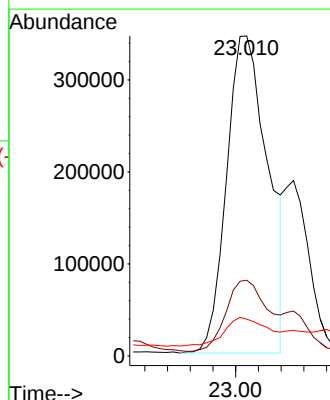
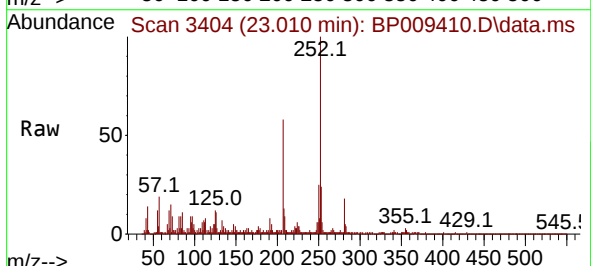
RT: 23.010 min Scan# 3404

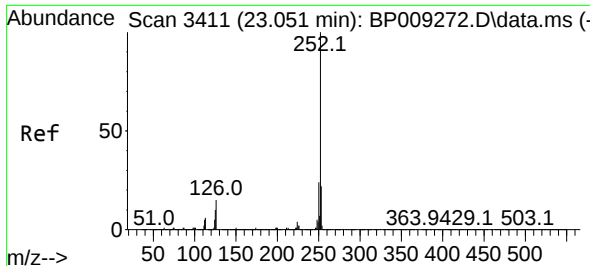
Delta R.T. 0.012 min

Lab File: BP009410.D

Acq: 15 Mar 2022 21:53

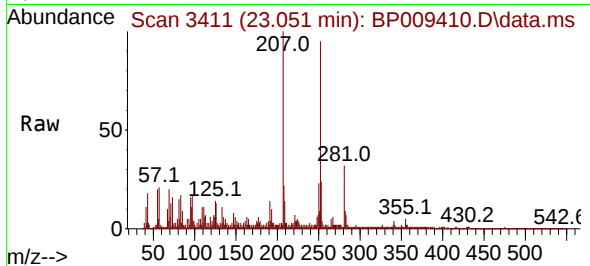
Tgt Ion:	252	Resp:	872565
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	11.5	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 2.109 ng m
RT: 23.051 min Scan# 3411
Delta R.T. 0.000 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

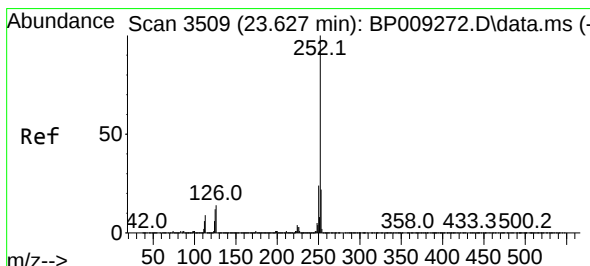
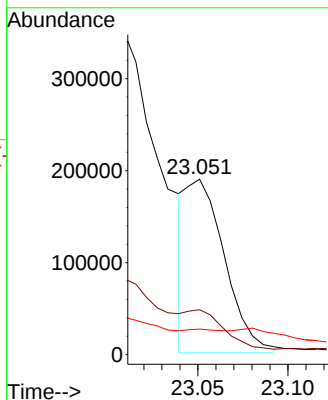
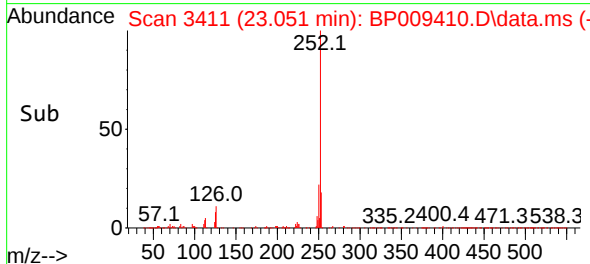
Instrument :
BNA_P
ClientSampleId :
CHRT-24449



Tgt Ion:252 Resp: 281919
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 14.6 8.3 12.5

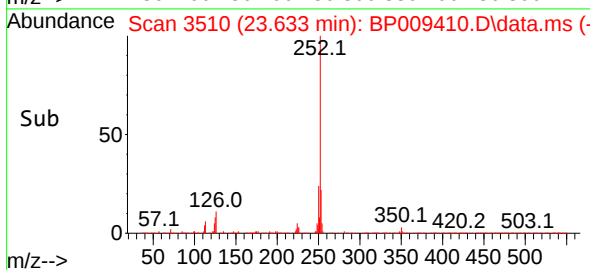
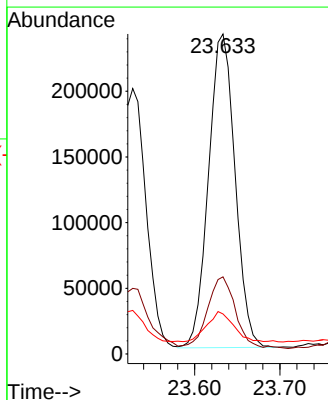
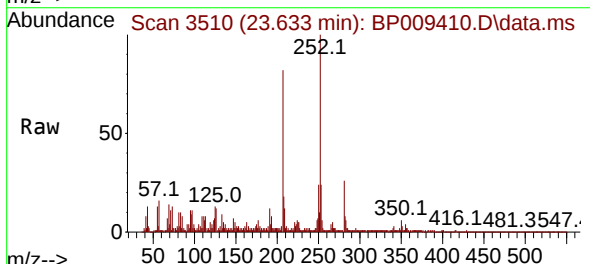
Manual Integrations
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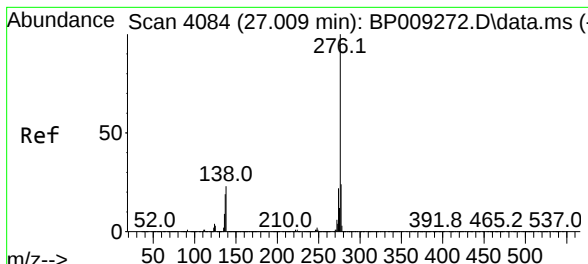
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#90
Benzo(a)pyrene
Concen: 3.895 ng
RT: 23.633 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BP009410.D
Acq: 15 Mar 2022 21:53

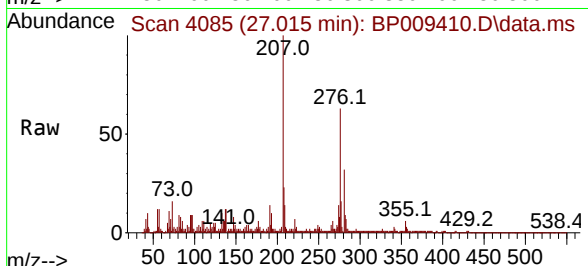
Tgt Ion:252 Resp: 516930
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 12.5 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.433 ng
 RT: 27.015 min Scan# 4085
 Delta R.T. 0.006 min
 Lab File: BP009410.D
 Acq: 15 Mar 2022 21:53

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-24449



Tgt Ion: 276 Resp: 46302

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	18.7	18.0	27.0

Manual Integrations
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Reviewed By : Christian Giraldo 03/16/2022
 Supervised By : Jagrut Upadhyay 03/16/2022

