

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134772.D
 Acq On : 14 Aug 2023 21:59
 Operator : CG\JU
 Sample : 03981-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC081023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

Quant Time: Aug 15 00:35:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	111209	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	407915	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	201976	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	345197	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	218834	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	229458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	50921	6.960	ng	-0.01
7) Phenol-d6	6.422	99	60843	6.506	ng	-0.02
23) Nitrobenzene-d5	7.351	82	36657	5.616	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	14271	6.931	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	79675	6.559	ng	-0.01
79) Terphenyl-d14	12.910	244	73946	5.957	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	114785	6.260	ng	99
75) Fluoranthene	12.533	202	162752	8.403	ng	95
78) Pyrene	12.769	202	144127	7.611	ng	99
81) Benzo(a)anthracene	13.957	228	70362	4.497	ng	99
83) Chrysene	13.998	228	62221	4.081	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	15515	2.059	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.927	276	33610	2.491	ng	# 89
88) Benzo(b)fluoranthene	15.010	252	81366m	5.814	ng	
89) Benzo(k)fluoranthene	15.039	252	32535m	2.334	ng	
90) Benzo(a)pyrene	15.374	252	63155	4.840	ng	# 94
92) Benzo(g,h,i)perylene	17.380	276	32471	2.919	ng	# 91

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

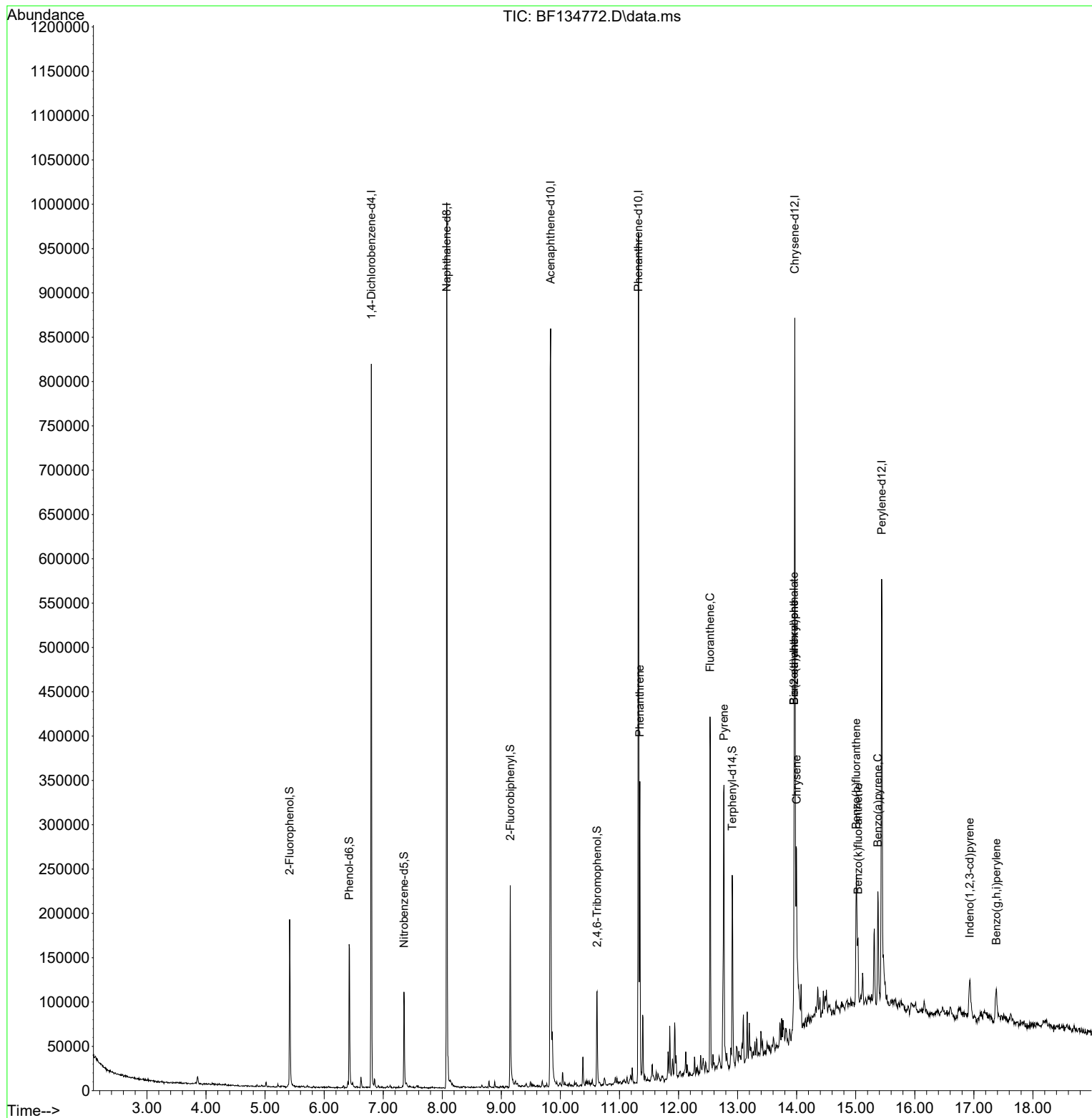
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
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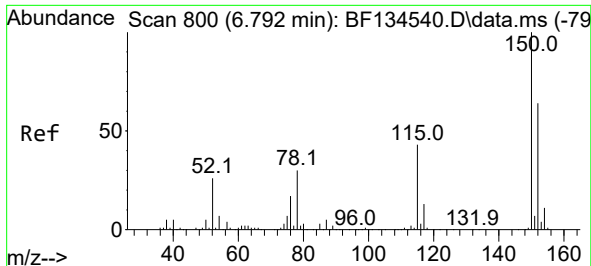
Instrument :
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Quant Time: Aug 15 00:35:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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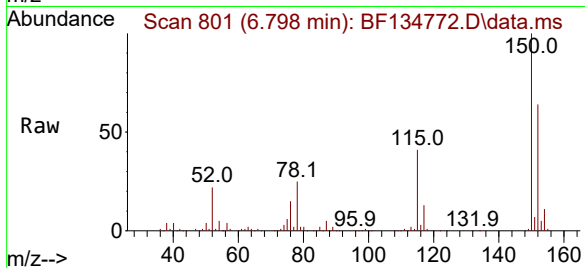
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

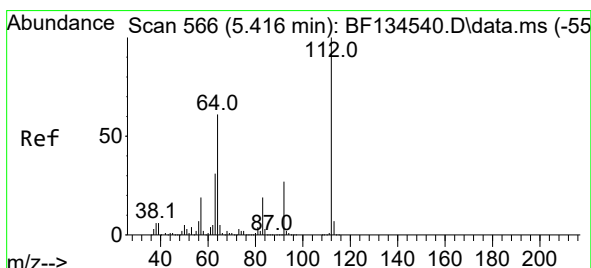
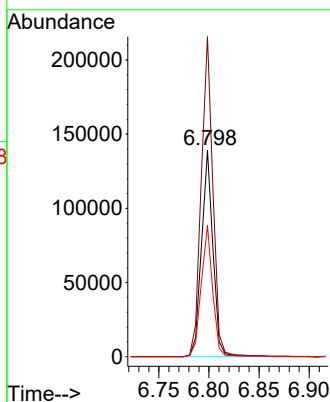
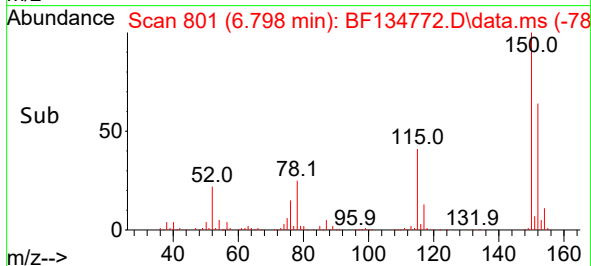
Instrument :
BNA_F
ClientSampleId :
WC081023



Tgt Ion:152 Resp: 111209
Ion Ratio Lower Upper
152 100
150 155.1 128.3 192.5
115 63.6 52.4 78.6

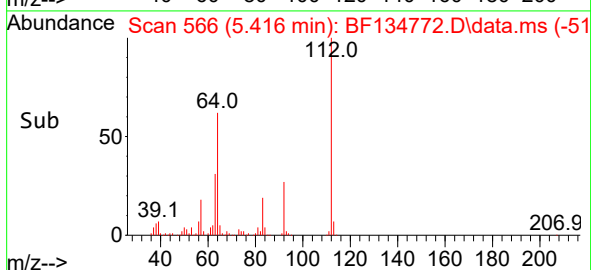
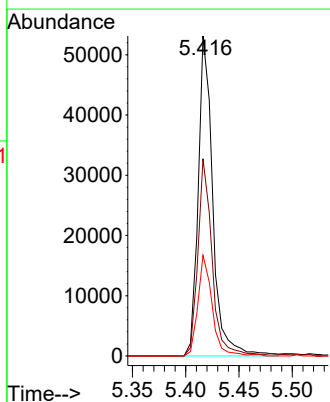
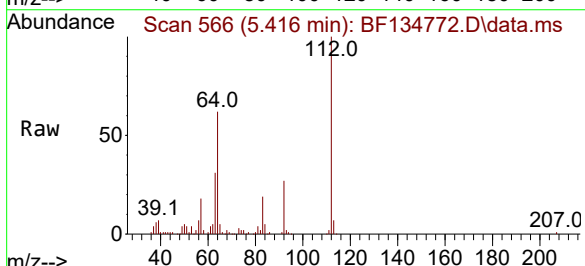
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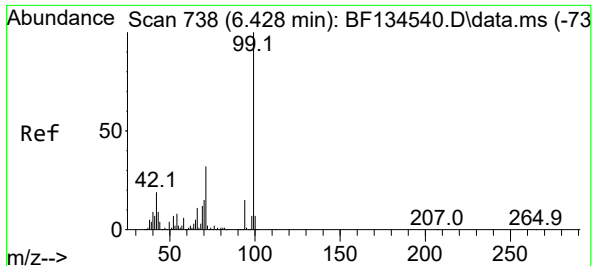
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 6.960 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

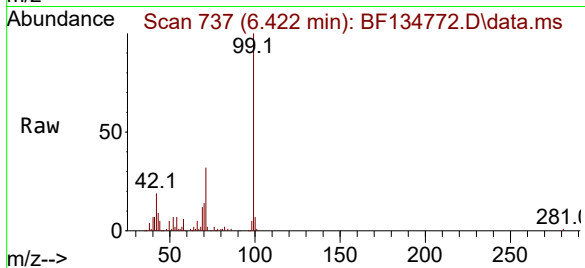
Tgt Ion:112 Resp: 50921
Ion Ratio Lower Upper
112 100
64 61.7 44.9 67.3
63 31.5 25.4 38.0





#7
Phenol-d6
Concen: 6.506 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

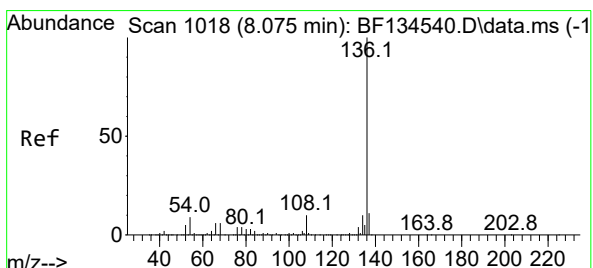
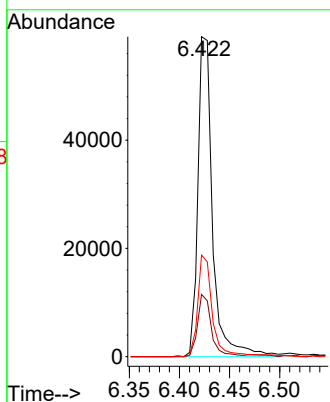
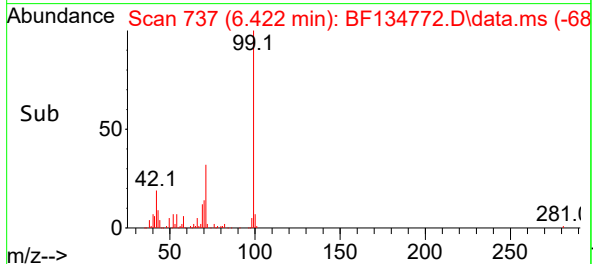
Instrument :
BNA_F
ClientSampleId :
WC081023



Tgt Ion: 99 Resp: 6084
Ion Ratio Lower Upper
99 100
42 19.4 18.7 28.1
71 31.8 36.4 54.6

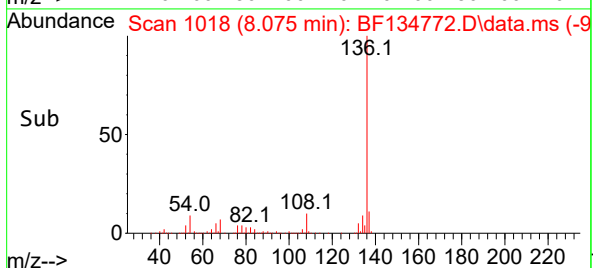
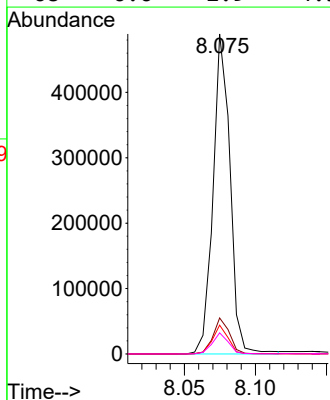
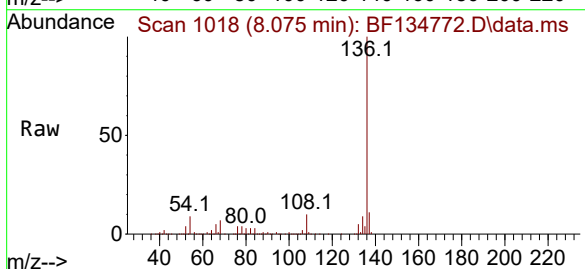
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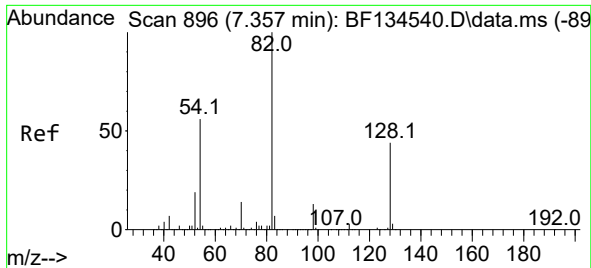
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

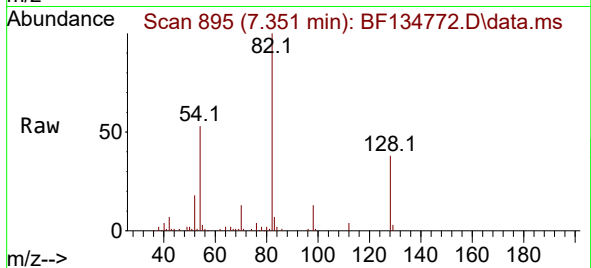
Tgt Ion:136 Resp: 407915
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.0 5.2 7.8#
68 6.6 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 5.616 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

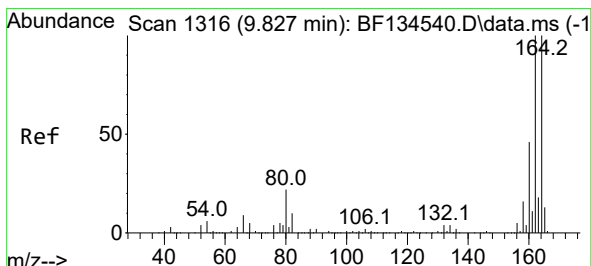
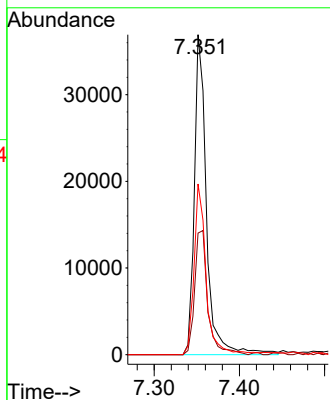
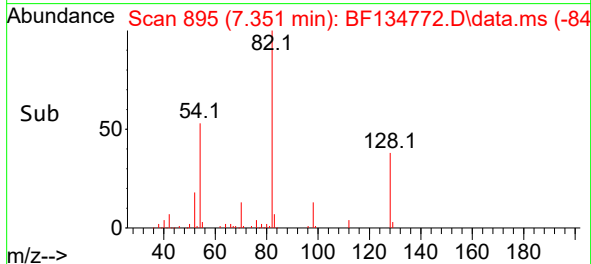
Instrument :
BNA_F
ClientSampleId :
WC081023



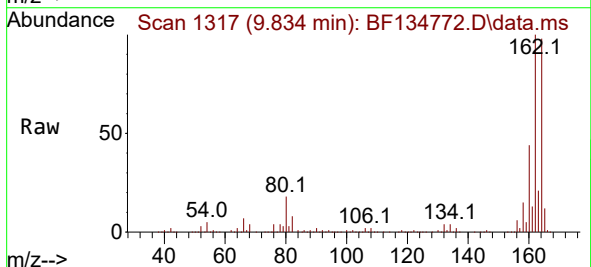
Tgt Ion: 82 Resp: 3665
Ion Ratio Lower Upper
82 100
128 38.0 34.3 51.5
54 53.3 43.8 65.6

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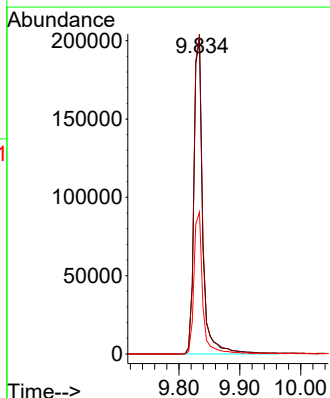
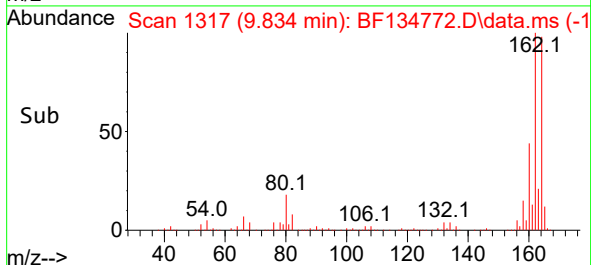
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

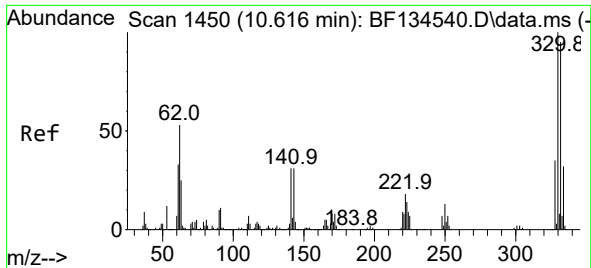


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59



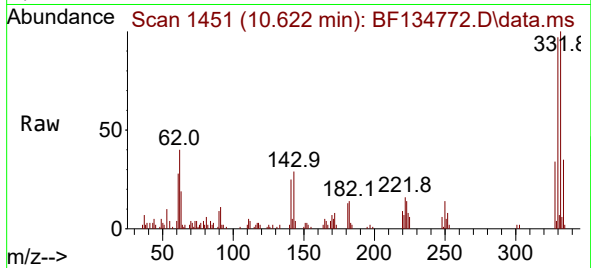
Tgt Ion:164 Resp: 201976
Ion Ratio Lower Upper
164 100
162 102.1 82.6 123.8
160 45.3 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 6.931 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

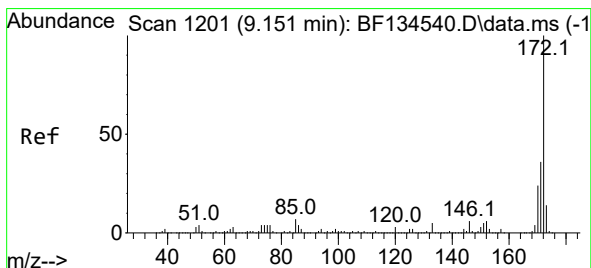
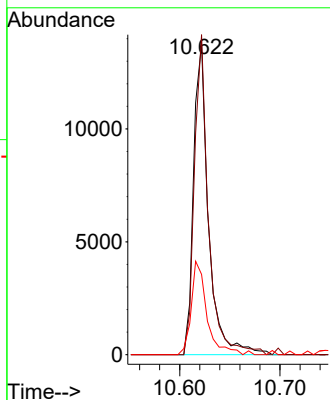
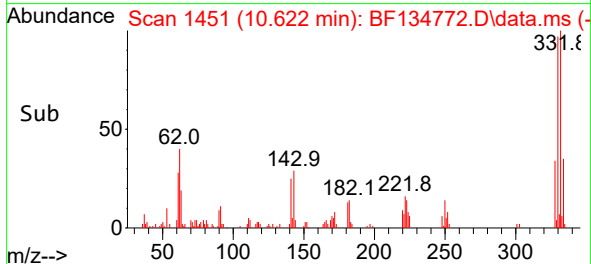
Instrument :
BNA_F
ClientSampleId :
WC081023



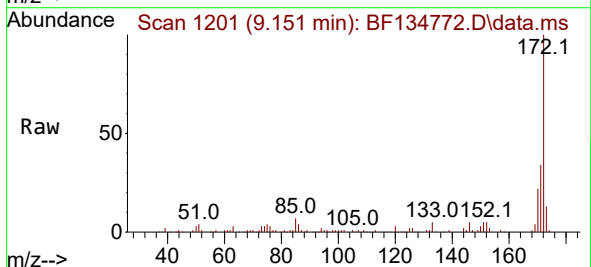
Tgt Ion: 330 Resp: 1427
Ion Ratio Lower Upper
330 100
332 96.5 78.8 118.2
141 31.6 25.4 38.2

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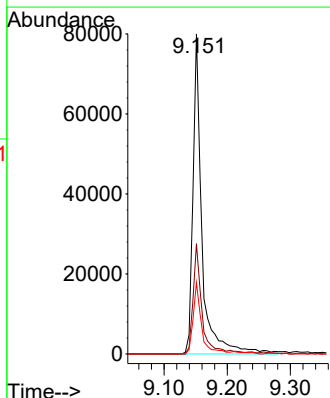
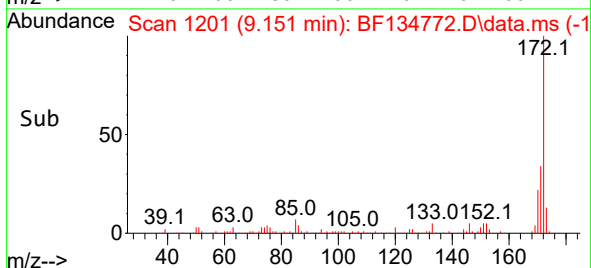
Reviewed By : Yogesh Patel 08/15/2023
Supervised By : Sohil Jodhani 08/15/2023

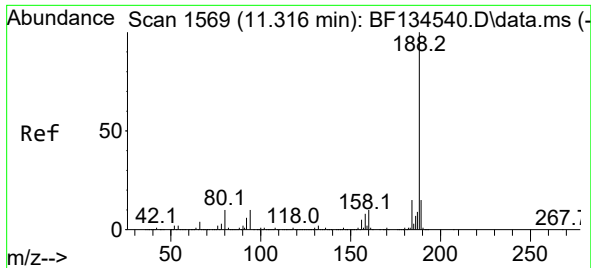


#45
2-Fluorobiphenyl
Concen: 6.559 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59



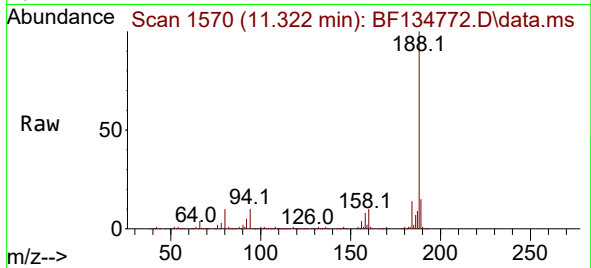
Tgt Ion: 172 Resp: 79675
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 22.3 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

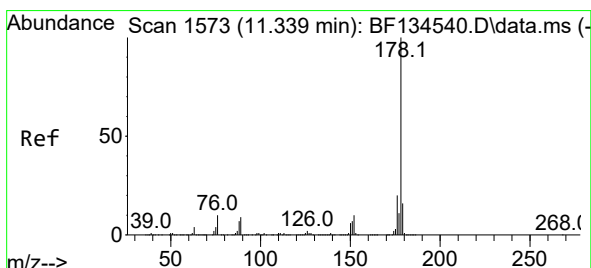
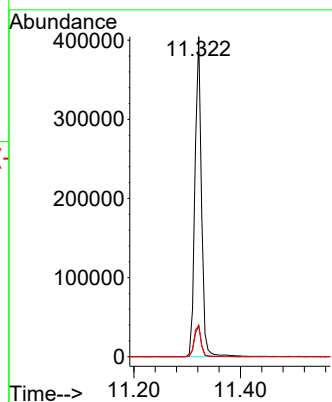
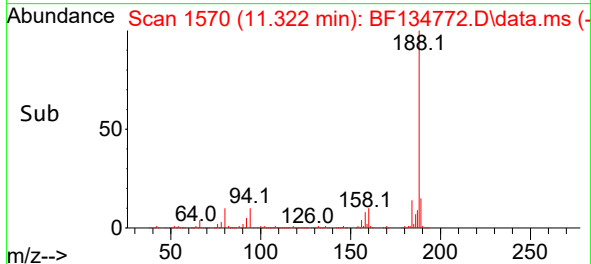
Instrument :
BNA_F
ClientSampleId :
WC081023



Tgt Ion:188 Resp: 345197
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7
80 9.7 6.6 9.8

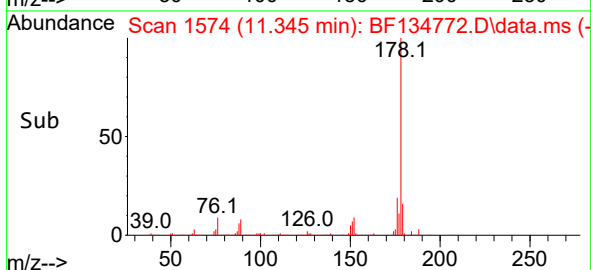
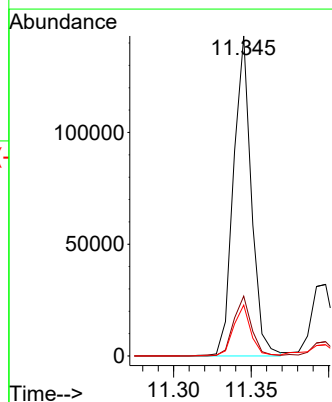
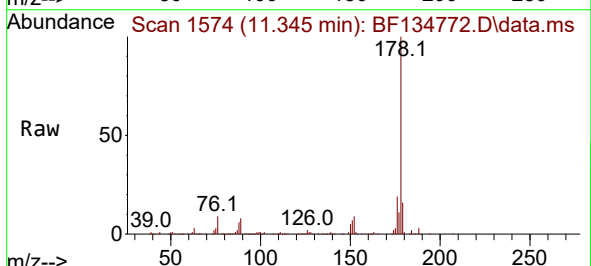
Manual Integrations
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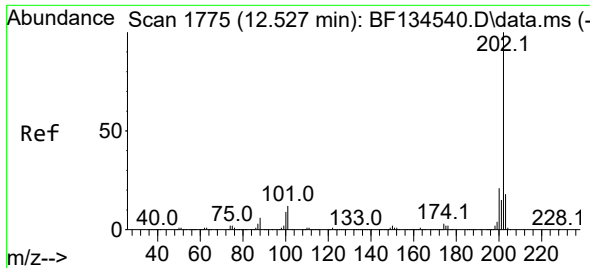
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#71
Phenanthrene
Concen: 6.260 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

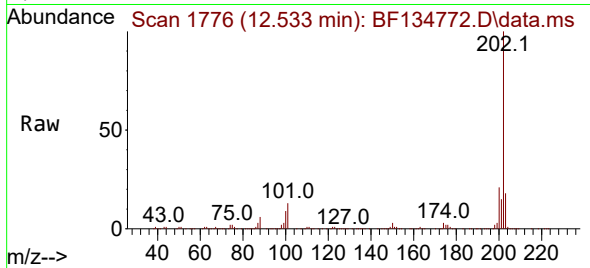
Tgt Ion:178 Resp: 114785
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.9 12.7 19.1





#75
Fluoranthene
Concen: 8.403 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

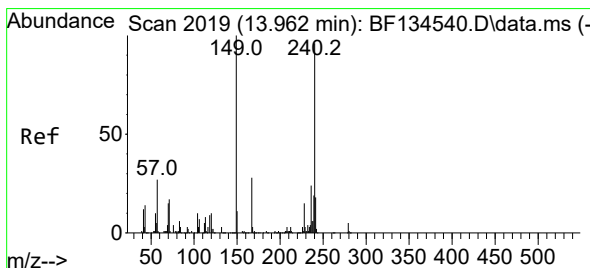
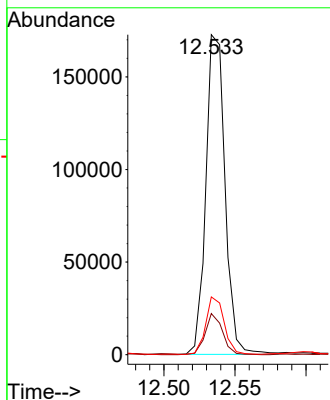
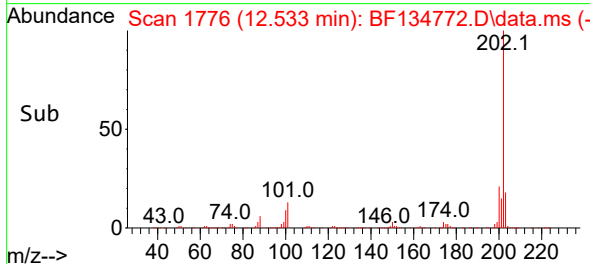
Instrument :
BNA_F
ClientSampleId :
WC081023



Tgt Ion:202 Resp: 162752
Ion Ratio Lower Upper
202 100
101 12.9 0.0 28.5
203 18.1 0.0 37.5

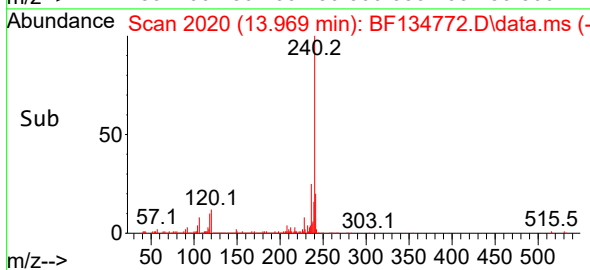
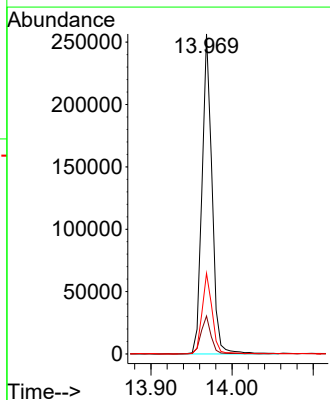
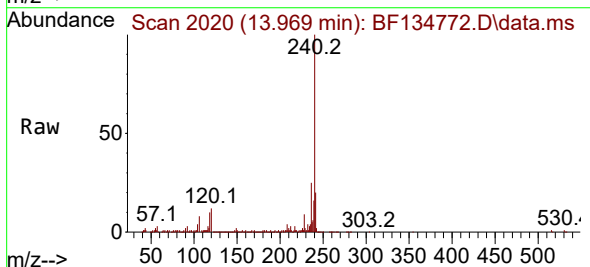
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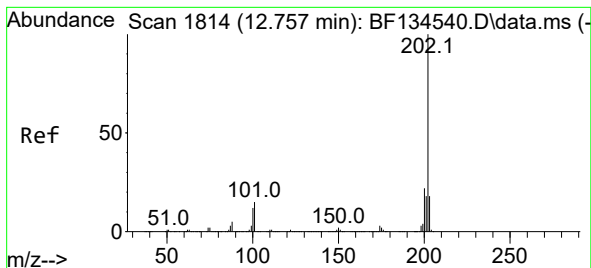
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

Tgt Ion:240 Resp: 218834
Ion Ratio Lower Upper
240 100
120 11.9 6.6 10.0#
236 25.2 20.2 30.2





#78

Pyrene

Concen: 7.611 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134772.D

Acq: 14 Aug 2023 21:59

Instrument :

BNA_F

ClientSampleId :

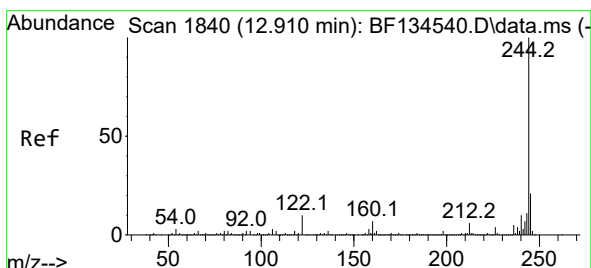
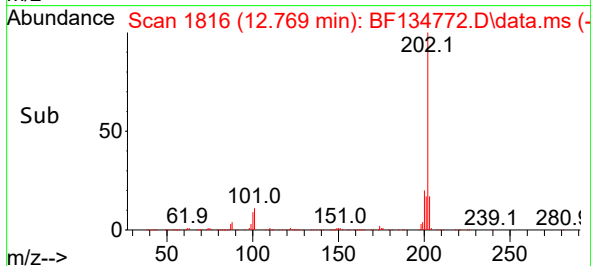
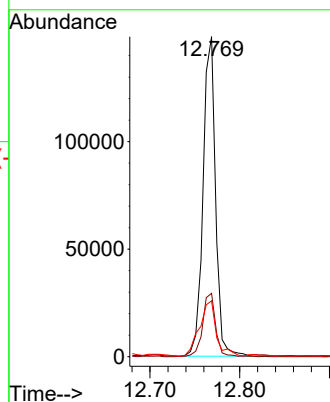
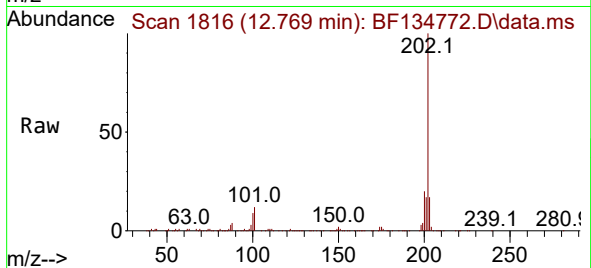
WC081023

Tgt Ion:202 Resp: 14412
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.8 23.8
 203 17.5 13.5 20.3

Manual Integrations

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 Supervised By :Sohil Jodhani 08/15/2023



#79

Terphenyl-d14

Concen: 5.957 ng

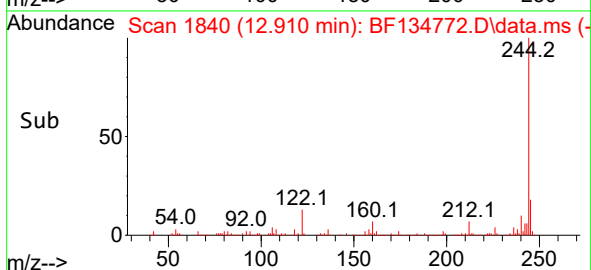
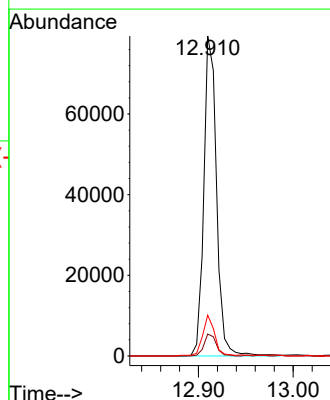
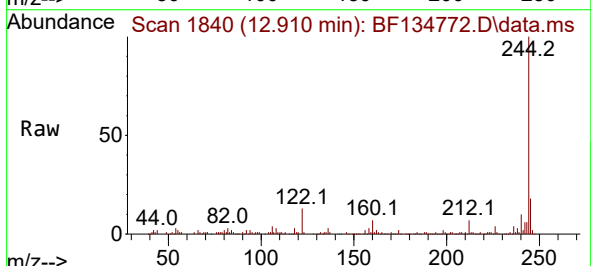
RT: 12.910 min Scan# 1840

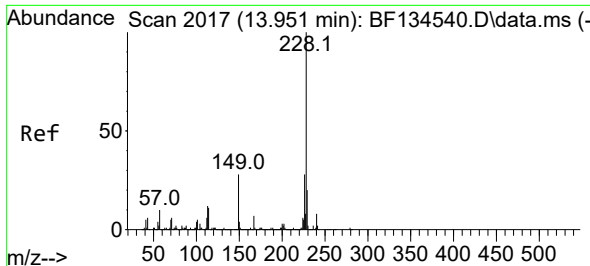
Delta R.T. -0.012 min

Lab File: BF134772.D

Acq: 14 Aug 2023 21:59

Tgt Ion:244 Resp: 73946
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.7 8.0 12.0#





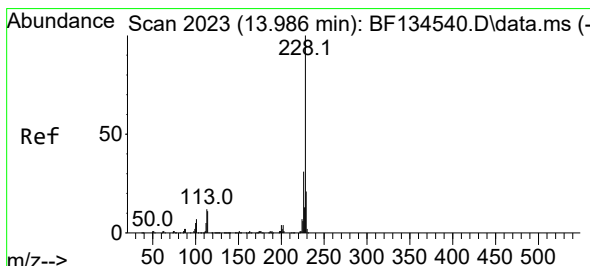
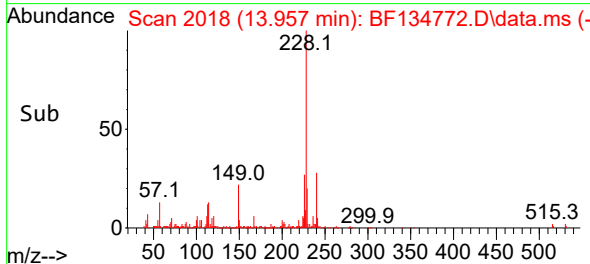
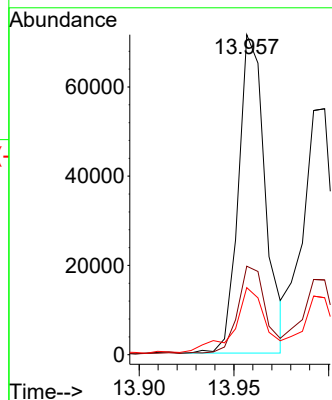
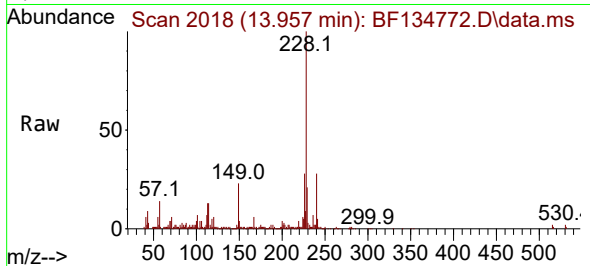
#81
Benzo(a)anthracene
Concen: 4.497 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

Instrument :
BNA_F
ClientSampleId :
WC081023

Tgt Ion:228 Resp: 70362
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 20.9 15.8 23.6

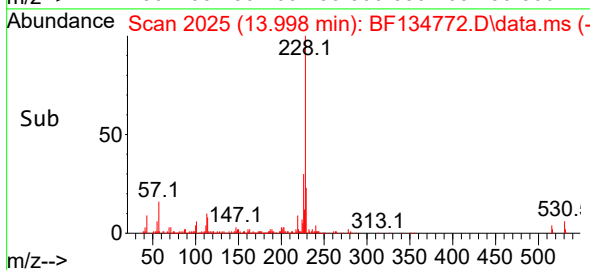
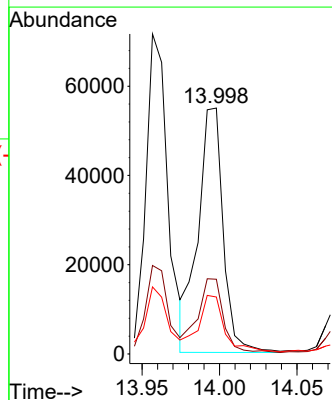
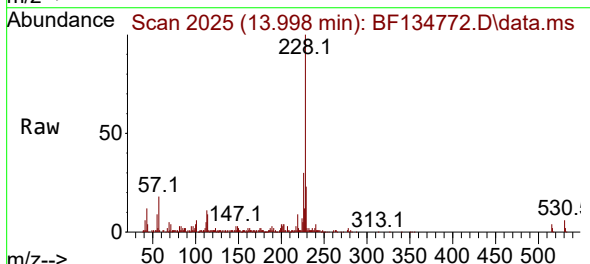
Manual Integrations
APPROVED

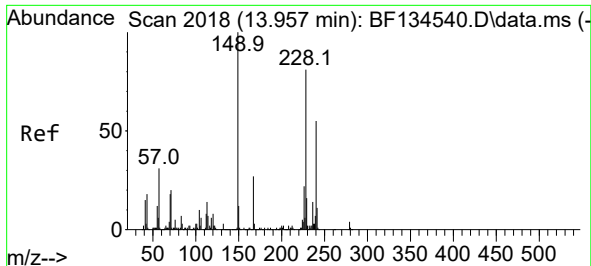
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#83
Chrysene
Concen: 4.081 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

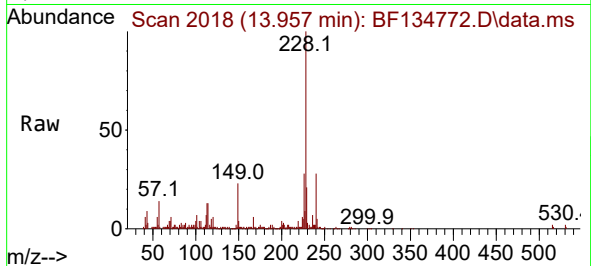
Tgt Ion:228 Resp: 62221
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 23.1 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.059 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59

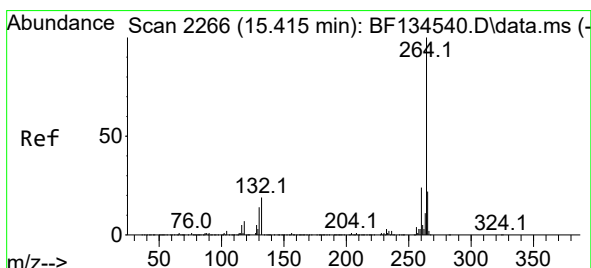
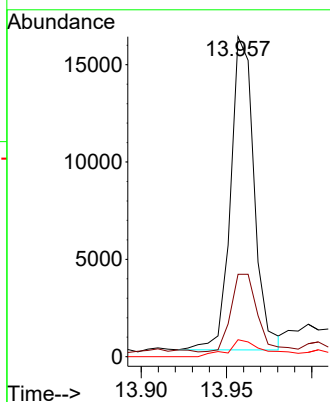
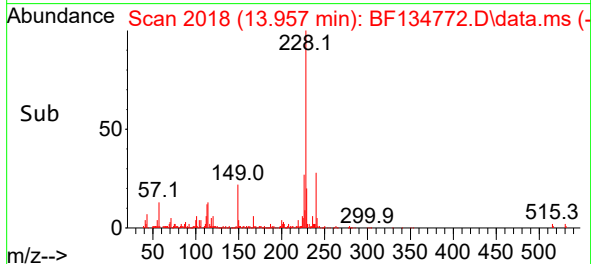
Instrument :
BNA_F
ClientSampleId :
WC081023



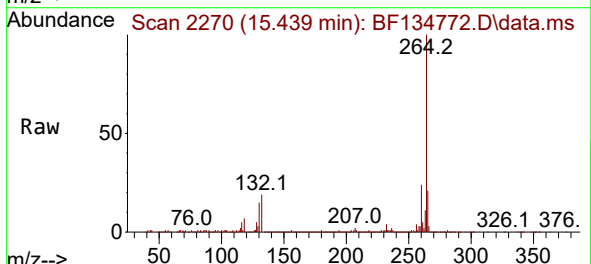
Tgt Ion:149 Resp: 1551
Ion Ratio Lower Upper
149 100
167 25.8 21.6 32.4
279 5.3 3.5 5.3

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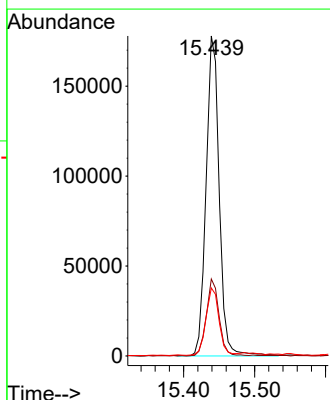
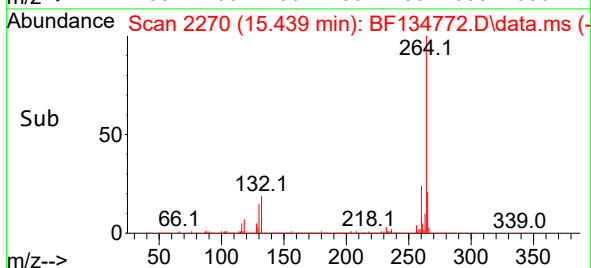
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

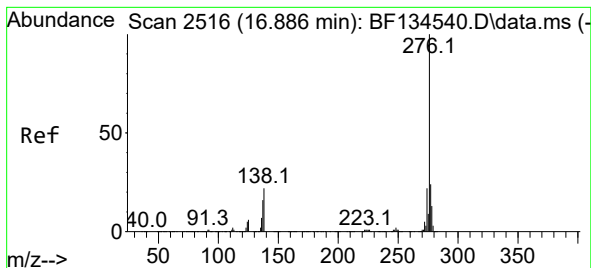


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134772.D
Acq: 14 Aug 2023 21:59



Tgt Ion:264 Resp: 229458
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 21.3 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.491 ng

RT: 16.927 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134772.D

Acq: 14 Aug 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC081023

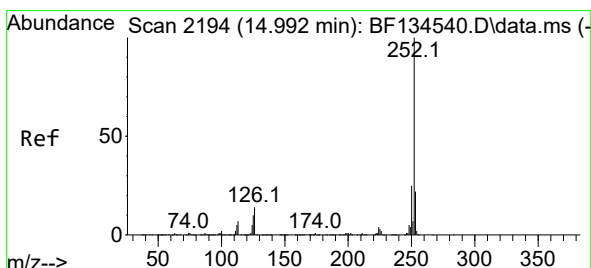
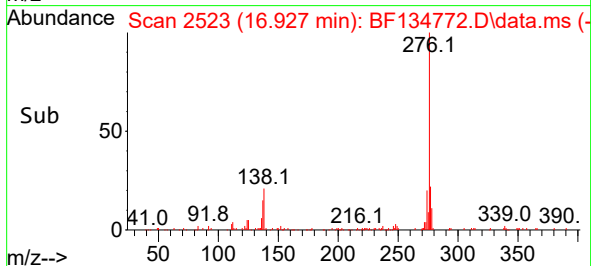
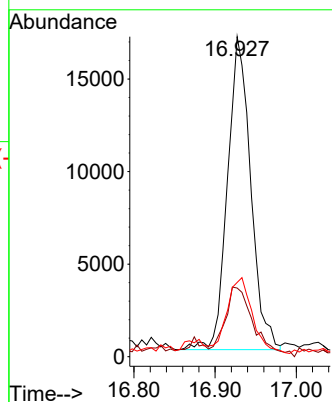
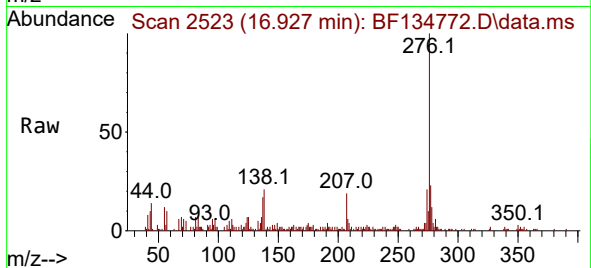
Tgt Ion:	276	Resp:	33610
Ion Ratio	Lower	Upper	
276	100		
138	27.7	14.2	21.4
277	26.6	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#88

Benzo(b)fluoranthene

Concen: 5.814 ng m

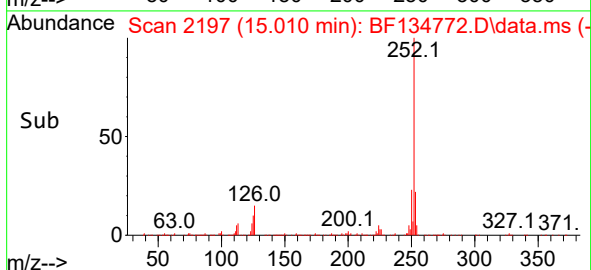
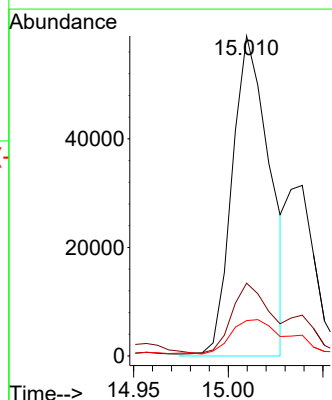
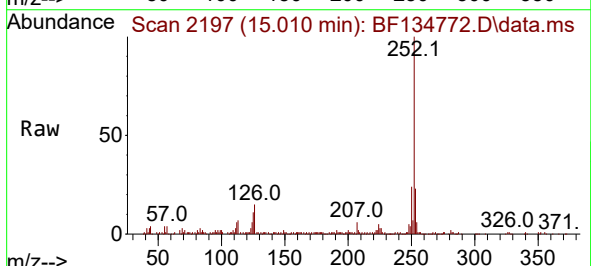
RT: 15.010 min Scan# 2197

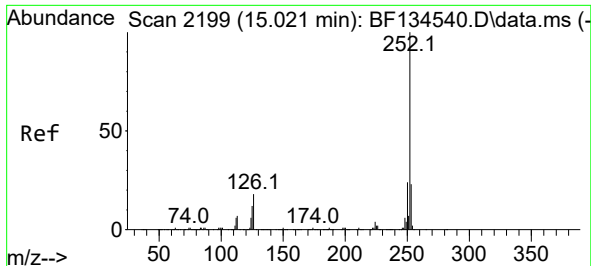
Delta R.T. 0.000 min

Lab File: BF134772.D

Acq: 14 Aug 2023 21:59

Tgt Ion:	252	Resp:	81366
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	11.0	6.0	9.0





#89

Benzo(k)fluoranthene

Concen: 2.334 ng m

RT: 15.039 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF134772.D

Acq: 14 Aug 2023 21:59

Instrument :

BNA_F

ClientSampleId :

WC081023

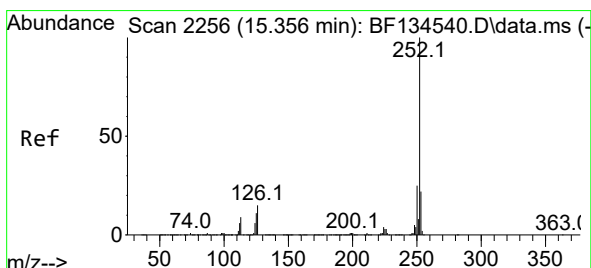
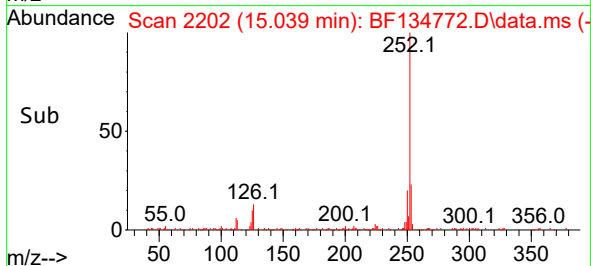
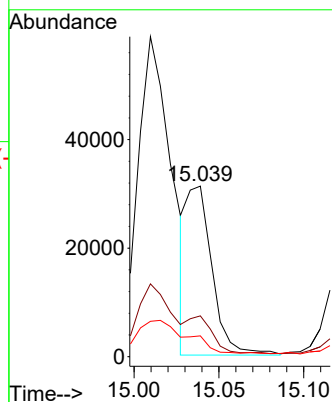
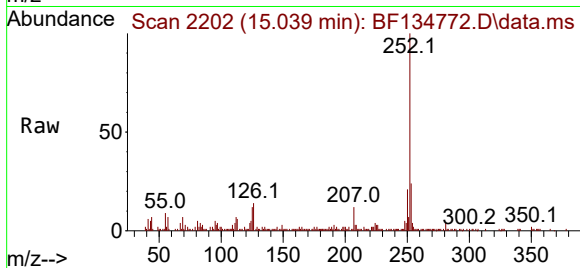
Tgt Ion:252 Resp: 3253

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.2	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#90

Benzo(a)pyrene

Concen: 4.840 ng

RT: 15.374 min Scan# 2259

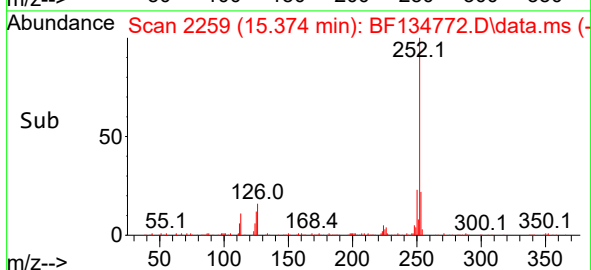
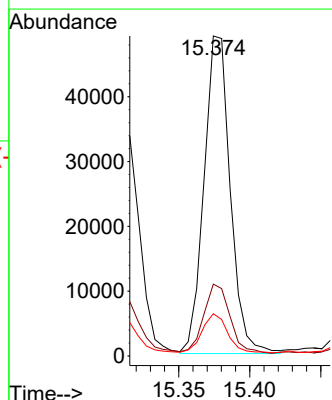
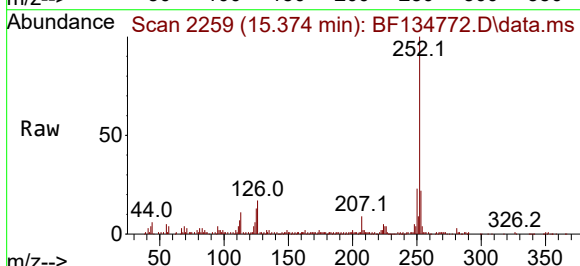
Delta R.T. -0.006 min

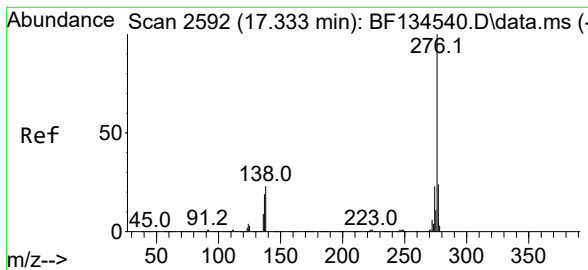
Lab File: BF134772.D

Acq: 14 Aug 2023 21:59

Tgt Ion:252 Resp: 63155

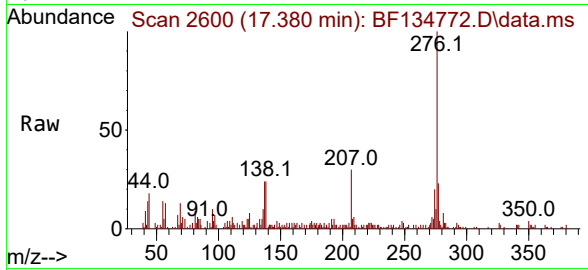
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	13.2	6.2	9.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.919 ng
 RT: 17.380 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF134772.D
 Acq: 14 Aug 2023 21:59

Instrument :
 BNA_F
 ClientSampleId :
 WC081023



Tgt Ion: 276 Resp: 3247

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.6
138	23.7	12.2	18.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

