

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137208.D
 Acq On : 31 Jan 2024 14:04
 Operator : CG\JU
 Sample : P1277-03DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

Quant Time: Feb 01 01:15:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	49935	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	182135	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	93401	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	174681	20.000	ng	0.00
76) Chrysene-d12	13.974	240	160817	20.000	ng	0.00
86) Perylene-d12	15.457	264	154055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	29128	9.625	ng	0.00
7) Phenol-d6	6.416	99	33944	7.860	ng	-0.01
23) Nitrobenzene-d5	7.351	82	23128	5.685	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	10255	9.722	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	40426	5.950	ng	0.00
79) Terphenyl-d14	12.910	244	45148	3.817	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	12383	2.393	ng	97
58) Fluorene	10.374	166	16512	2.558	ng	91
71) Phenanthrene	11.339	178	459856	50.286	ng	99
72) Anthracene	11.392	178	96527	10.127	ng	99
73) Carbazole	11.551	167	36689	4.606	ng	96
75) Fluoranthene	12.539	202	813290	84.991	ng	99
78) Pyrene	12.768	202	781567	50.572	ng	99
81) Benzo(a)anthracene	13.963	228	456478	40.080	ng	97
83) Chrysene	13.998	228	393879	35.177	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	139707	12.908	ng	95
88) Benzo(b)fluoranthene	15.027	252	442596m	46.716	ng	
89) Benzo(k)fluoranthene	15.051	252	177875m	17.747	ng	
90) Benzo(a)pyrene	15.392	252	293457	32.914	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	35803m	4.128	ng	
92) Benzo(g,h,i)perylene	17.398	276	124148	14.586	ng	97

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

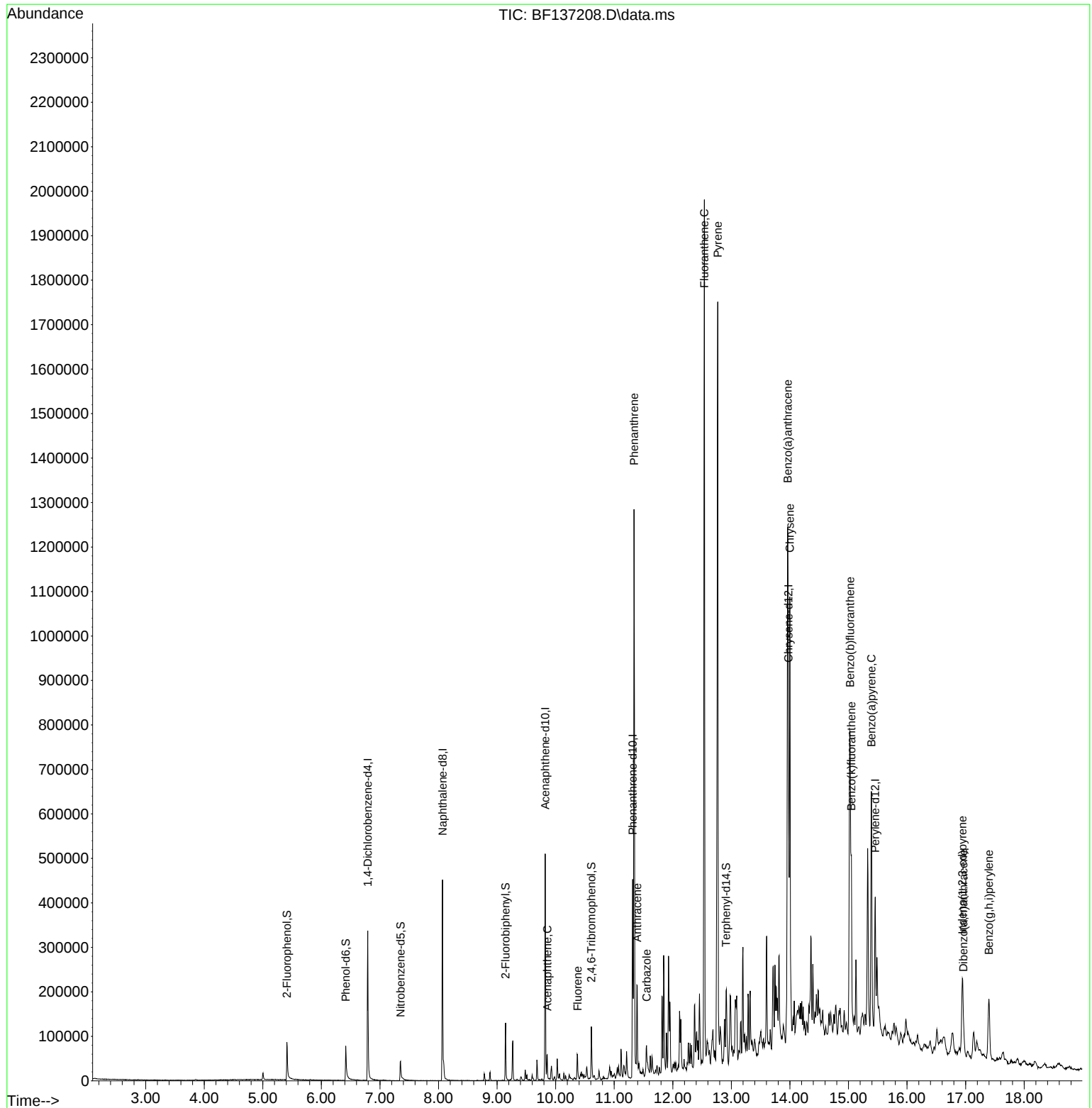
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
Data File : BF137208.D
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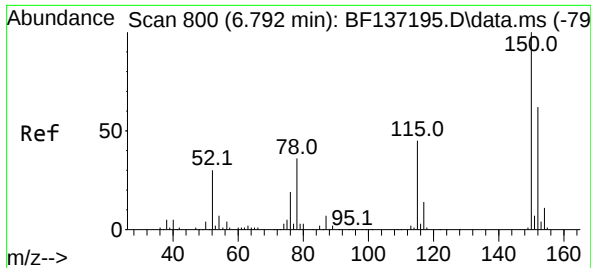
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Quant Time: Feb 01 01:15:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
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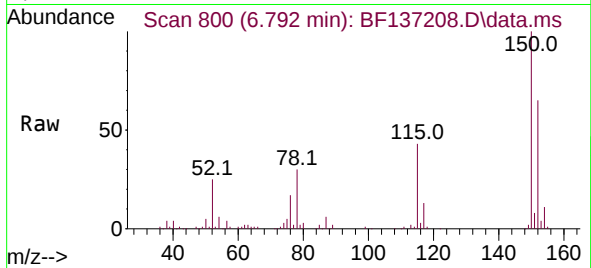
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

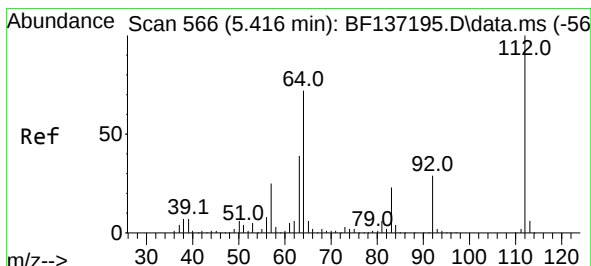
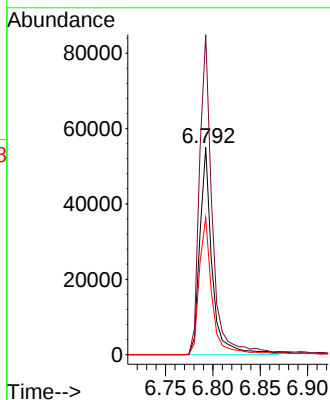
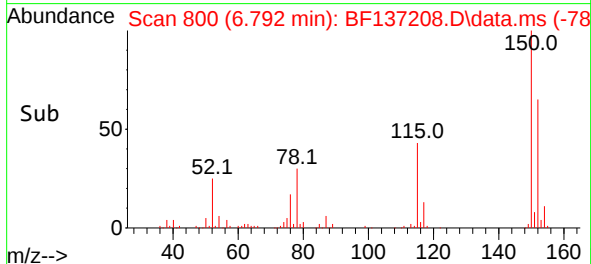
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ClientSampleId :
TP-40DL



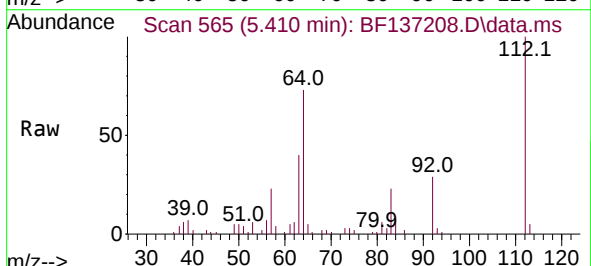
Tgt Ion:152 Resp: 49935
Ion Ratio Lower Upper
152 100
150 154.4 129.8 194.8
115 66.1 58.5 87.7

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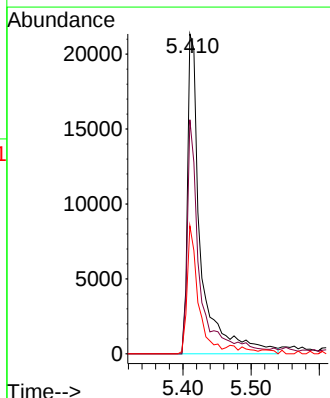
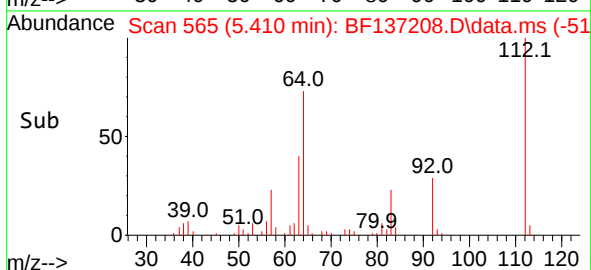
Reviewed By :Jagrut Upadhyay 02/01/2024
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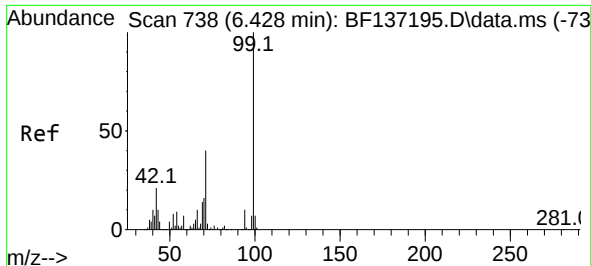


#5
2-Fluorophenol
Concen: 9.625 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



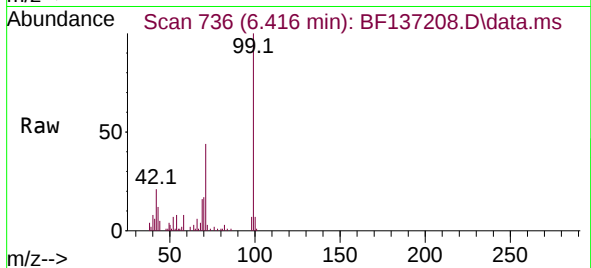
Tgt Ion:112 Resp: 29128
Ion Ratio Lower Upper
112 100
64 73.2 57.8 86.6
63 40.0 31.4 47.0





#7
Phenol-d6
Concen: 7.860 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

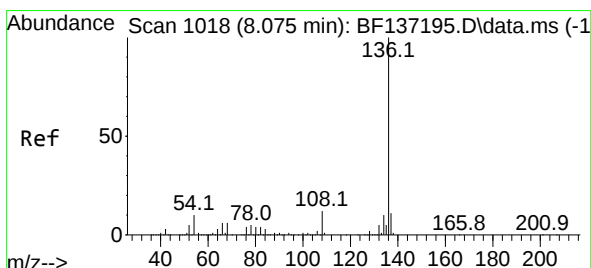
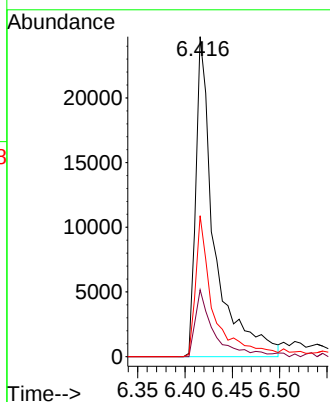
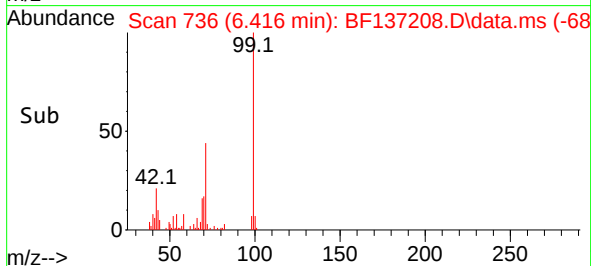
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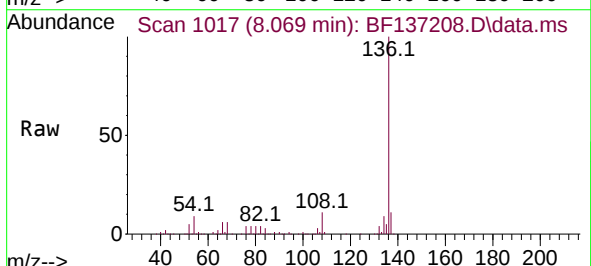
Tgt Ion: 99 Resp: 33944
Ion Ratio Lower Upper
99 100
42 20.9 16.4 24.6
71 44.0 32.4 48.6

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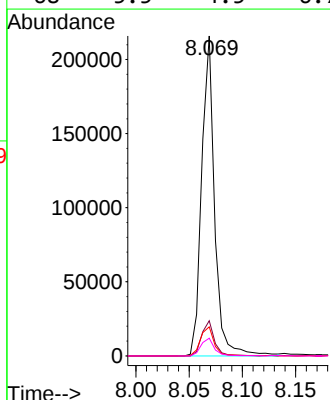
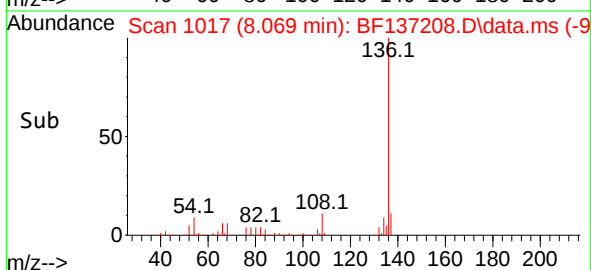
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

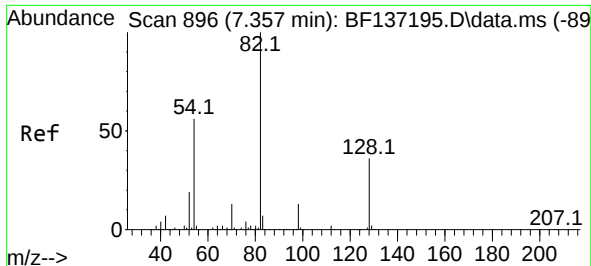


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



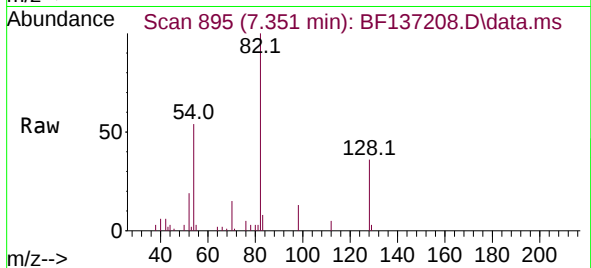
Tgt Ion:136 Resp: 182135
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.1 7.8 11.8
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 5.685 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

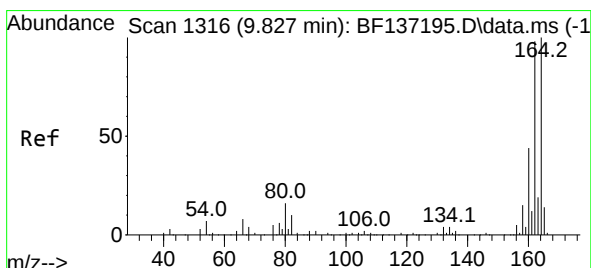
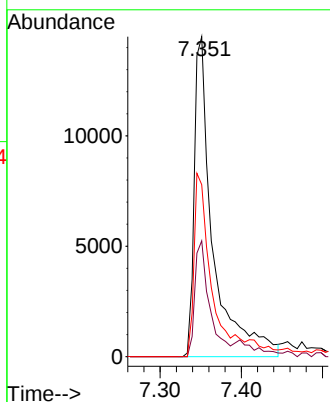
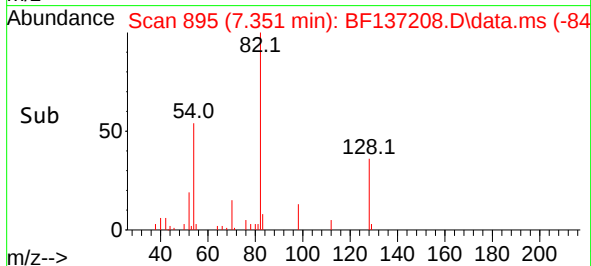
Instrument :
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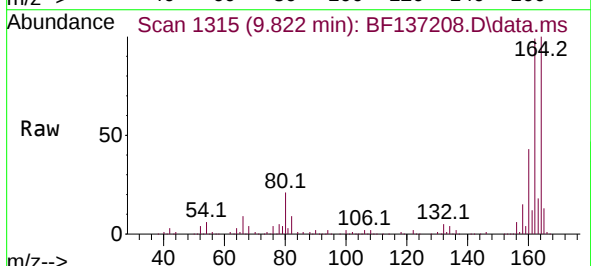
Tgt Ion: 82 Resp: 23128
Ion Ratio Lower Upper
82 100
128 36.2 29.1 43.7
54 53.7 45.0 67.6

Manual Integrations
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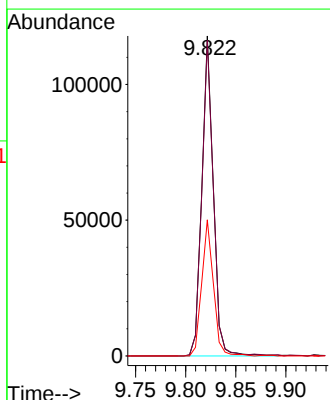
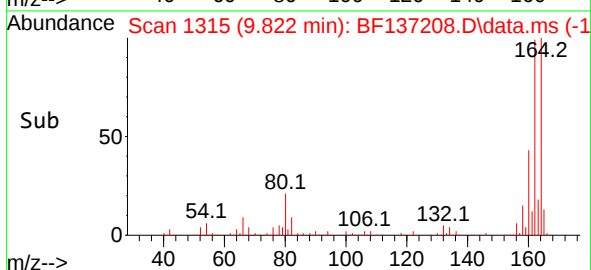
Reviewed By :Jagrut Upadhyay 02/01/2024
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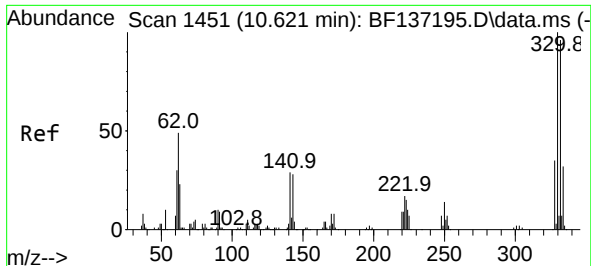


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



Tgt Ion:164 Resp: 93401
Ion Ratio Lower Upper
164 100
162 98.6 78.3 117.5
160 42.5 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 9.722 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

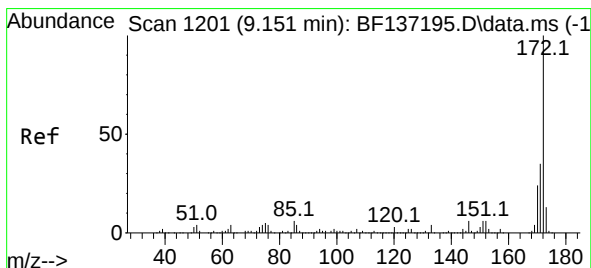
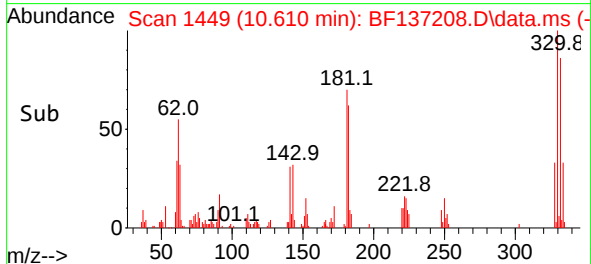
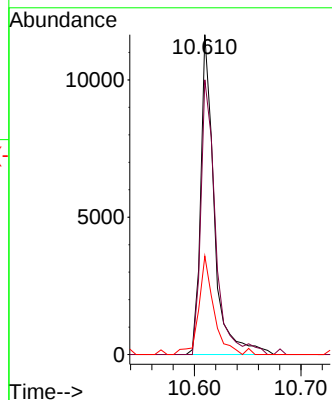
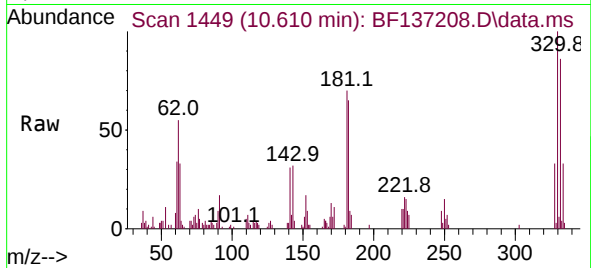
TP-40DL

Tgt Ion: 330 Resp: 1025
Ion Ratio Lower Upper
330 100
332 93.6 77.3 115.9
141 33.8 25.2 37.8

Manual Integrations

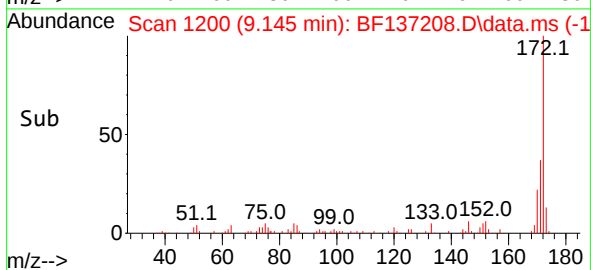
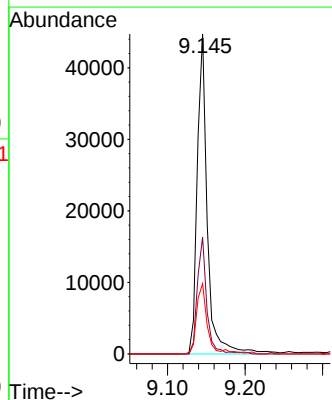
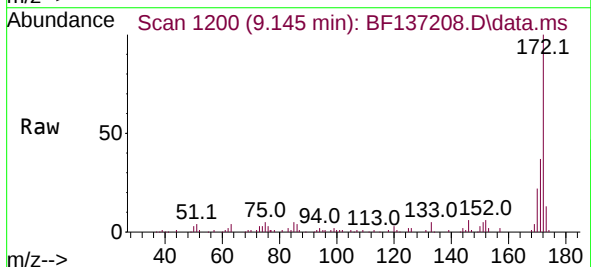
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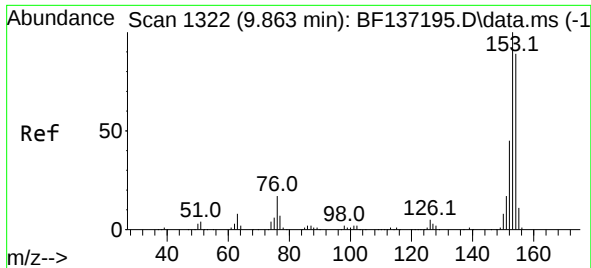
Reviewed By : Jagrut Upadhyay 02/01/2024
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#45
2-Fluorobiphenyl
Concen: 5.950 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

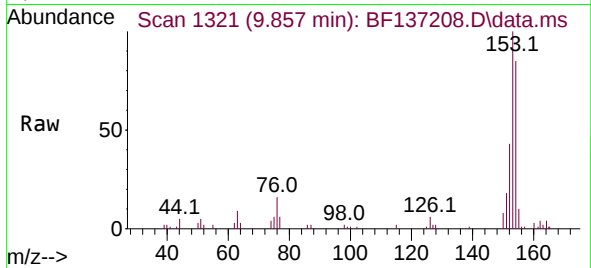
Tgt Ion: 172 Resp: 40426
Ion Ratio Lower Upper
172 100
171 36.5 28.3 42.5
170 21.9 19.1 28.7





#52
Acenaphthene
Concen: 2.393 ng
RT: 9.857 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

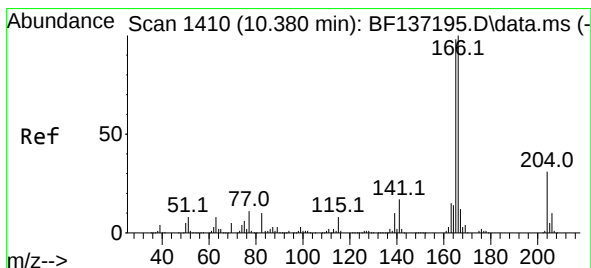
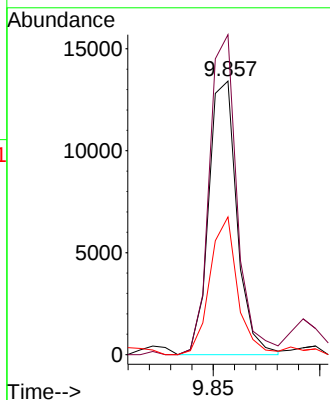
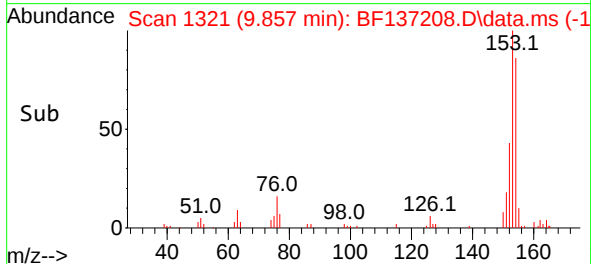
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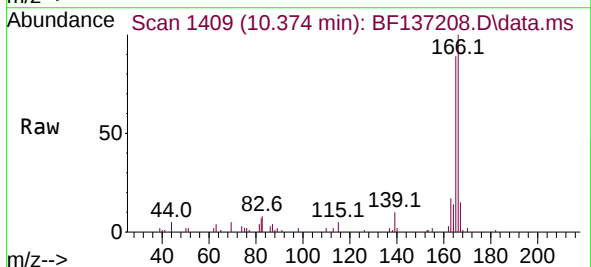
Tgt Ion:154 Resp: 12383
Ion Ratio Lower Upper
154 100
153 117.0 90.2 135.4
152 50.4 40.6 60.8

Manual Integrations
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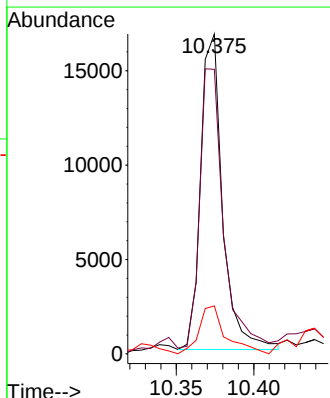
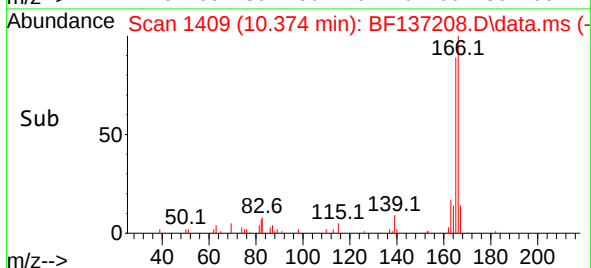
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

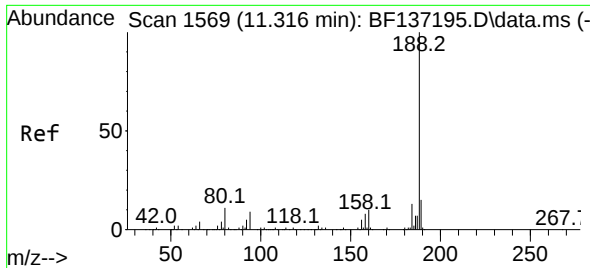


#58
Fluorene
Concen: 2.558 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



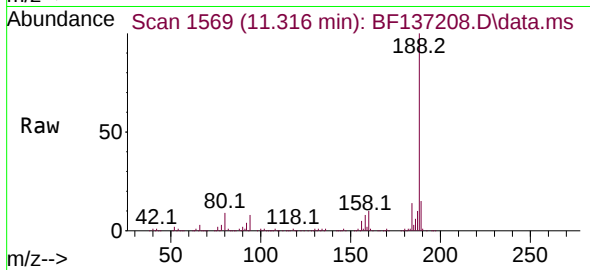
Tgt Ion:166 Resp: 16512
Ion Ratio Lower Upper
166 100
165 88.9 78.5 117.7
167 15.0 10.0 15.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

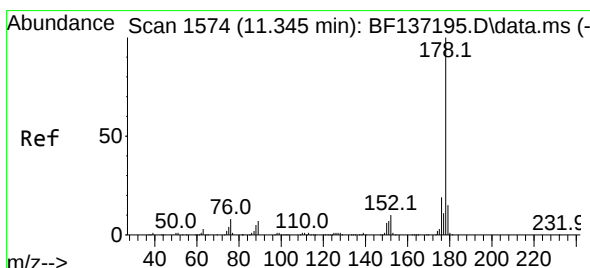
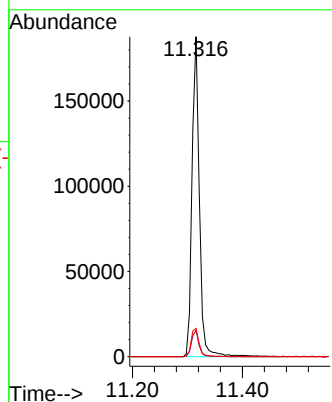
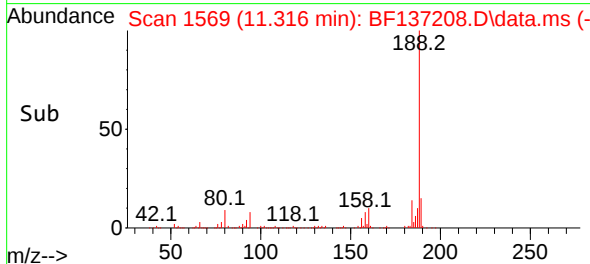
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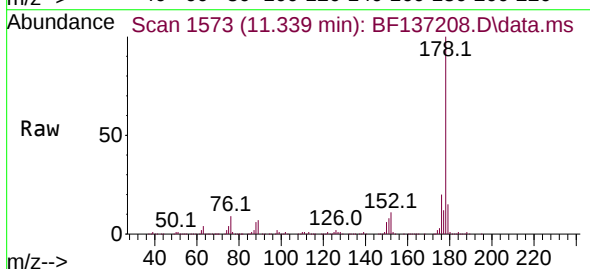
Tgt Ion:188 Resp: 174681
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.8 8.8 13.2

Manual Integrations
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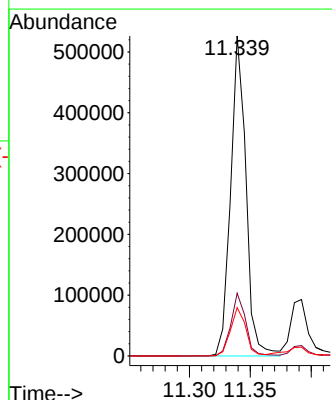
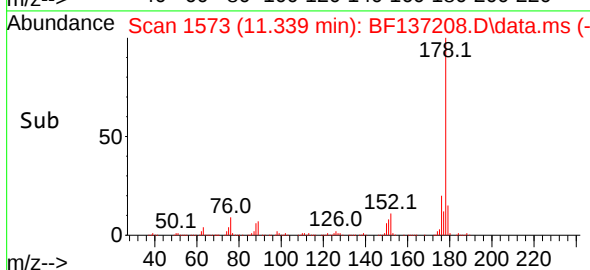
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

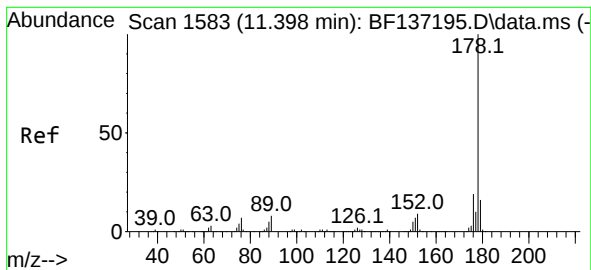


#71
Phenanthrene
Concen: 50.286 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



Tgt Ion:178 Resp: 459856
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.1 12.1 18.1





#72

Anthracene

Concen: 10.127 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

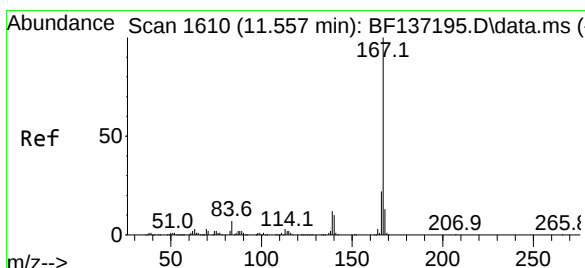
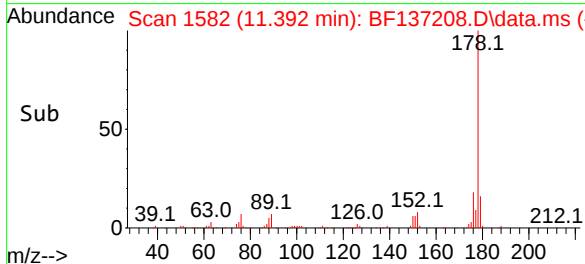
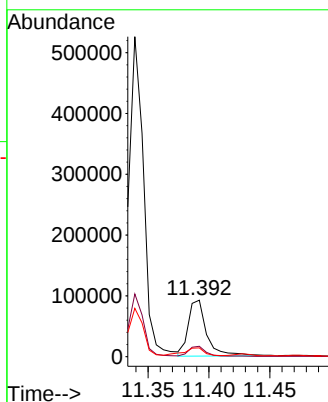
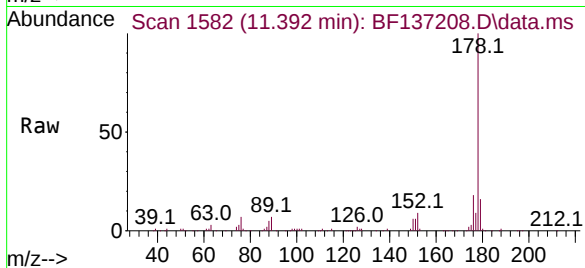
TP-40DL

Tgt Ion:178 Resp: 96527
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 15.5 12.7 19.1

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#73

Carbazole

Concen: 4.606 ng

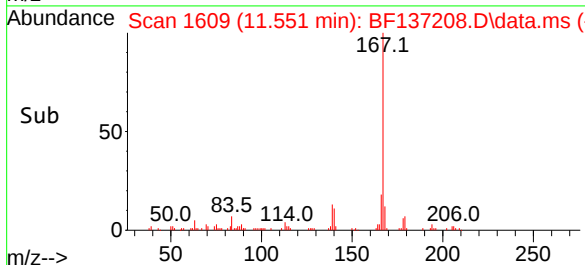
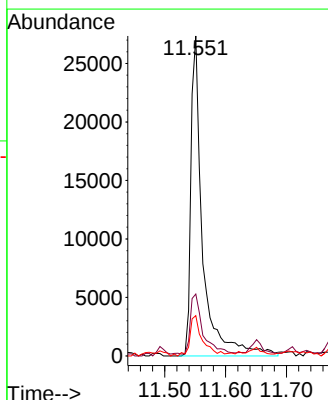
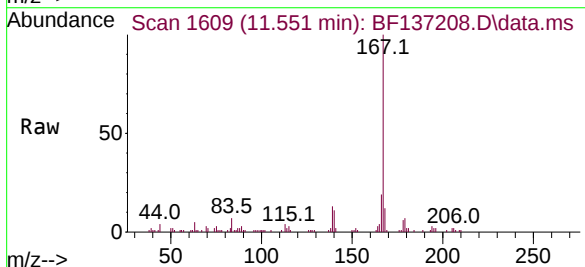
RT: 11.551 min Scan# 1609

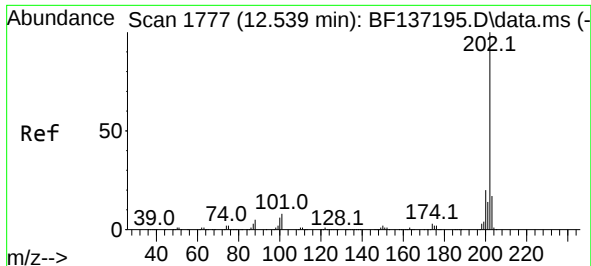
Delta R.T. -0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

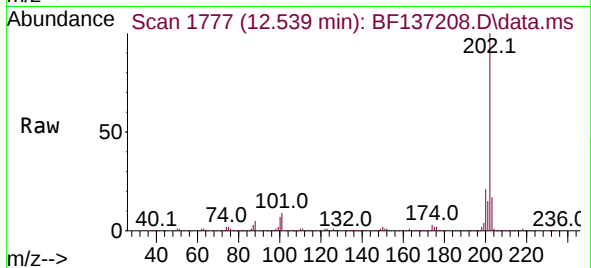
Tgt Ion:167 Resp: 36689
 Ion Ratio Lower Upper
 167 100
 166 19.3 17.6 26.4
 139 12.6 9.7 14.5





#75
Fluoranthene
Concen: 84.991 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

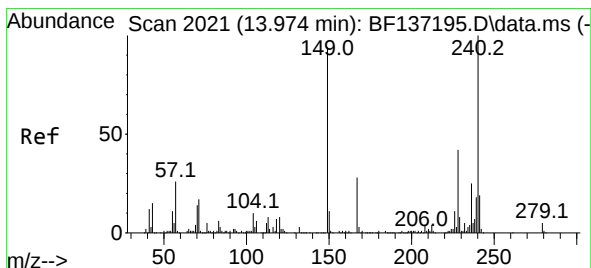
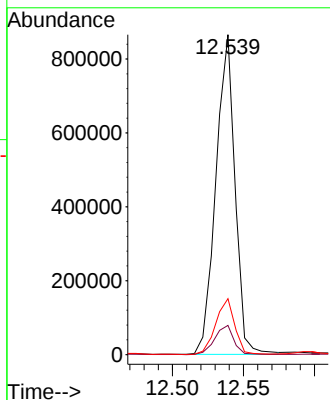
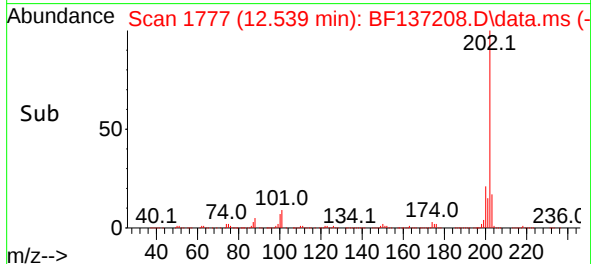
Instrument :
BNA_F
ClientSampleId :
TP-40DL



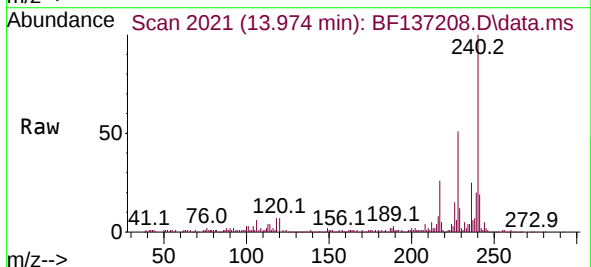
Tgt Ion:202 Resp: 813290
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.4
203 17.5 0.0 37.3

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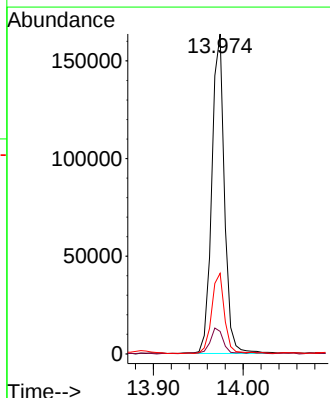
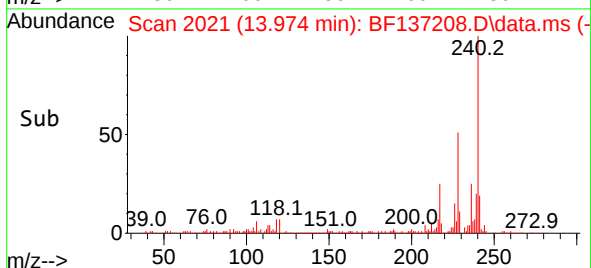
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

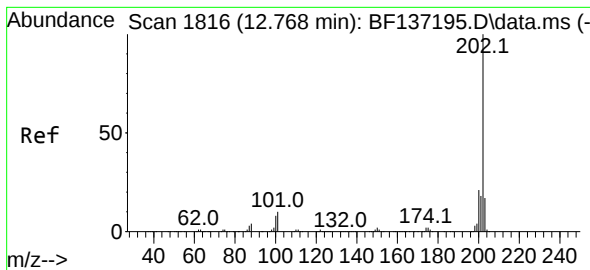


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



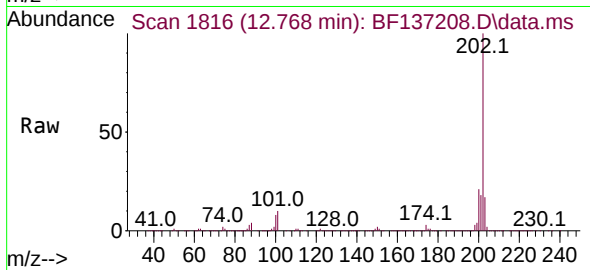
Tgt Ion:240 Resp: 160817
Ion Ratio Lower Upper
240 100
120 7.0 6.3 9.5
236 25.2 20.3 30.5





#78
Pyrene
Concen: 50.572 ng
RT: 12.768 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

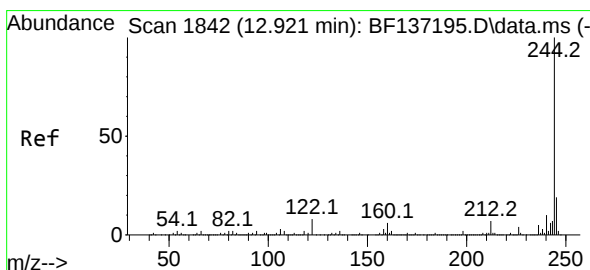
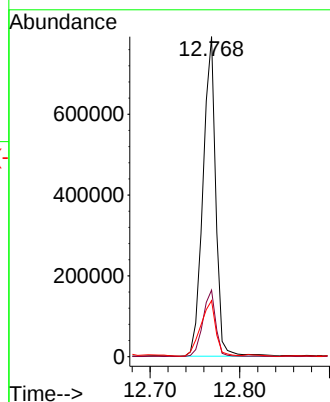
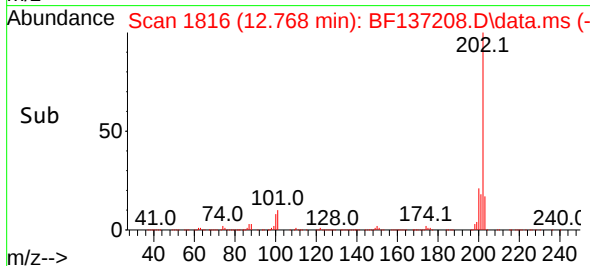
Instrument :
BNA_F
ClientSampleId :
TP-40DL



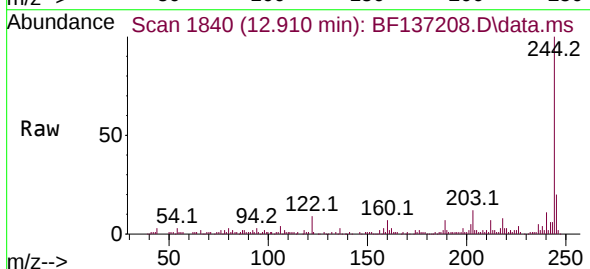
Tgt Ion:202 Resp: 78156
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 17.5 13.8 20.6

Manual Integrations
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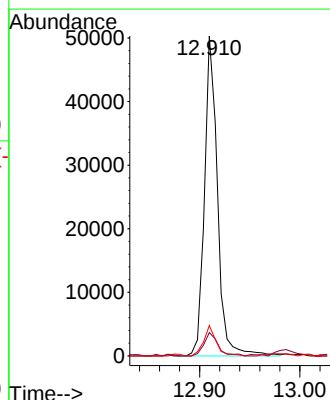
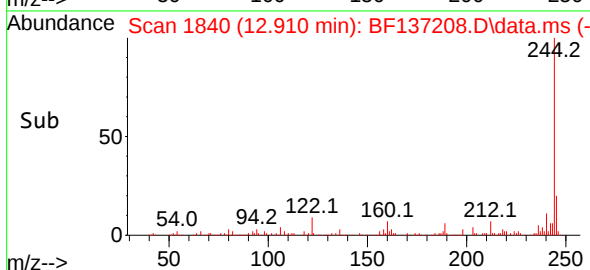
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

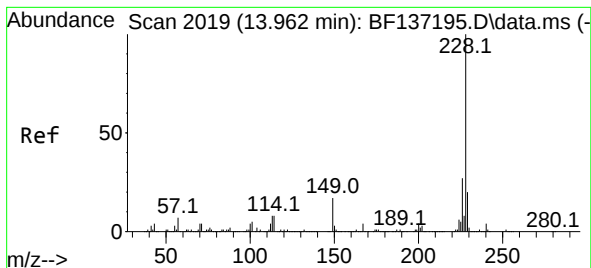


#79
Terphenyl-d14
Concen: 3.817 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04



Tgt Ion:244 Resp: 45148
Ion Ratio Lower Upper
244 100
212 7.3 5.5 8.3
122 9.5 6.2 9.4#





#81

Benzo(a)anthracene

Concen: 40.080 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

Tgt Ion:228 Resp: 456478

Ion Ratio Lower Upper

228 100

226 28.5 21.6 32.4

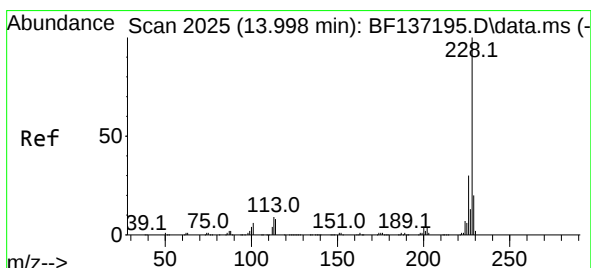
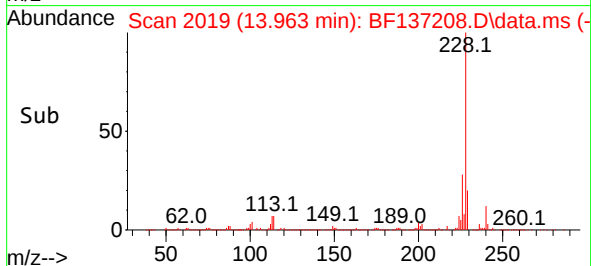
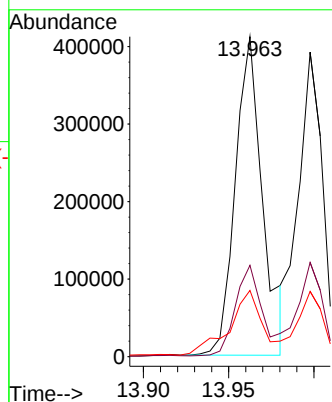
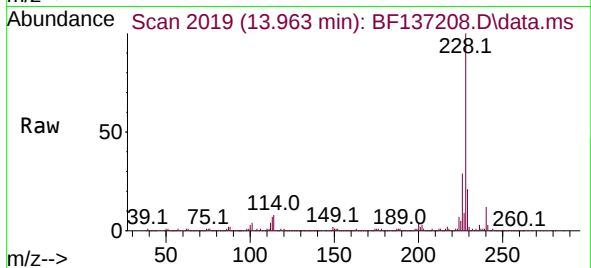
229 20.7 15.8 23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024

Supervised By :Sohil Jodhani 02/02/2024



#83

Chrysene

Concen: 35.177 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

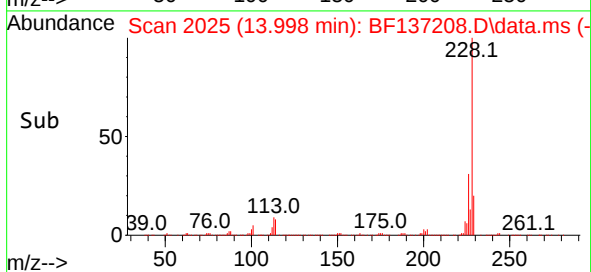
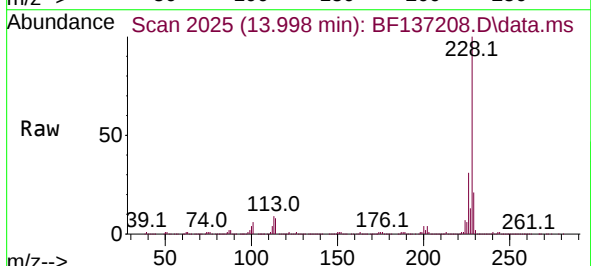
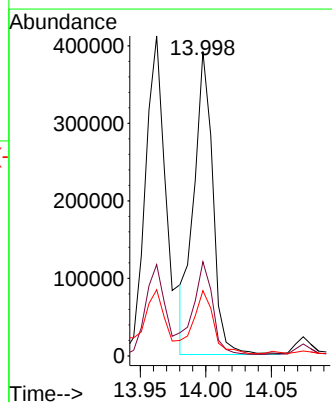
Tgt Ion:228 Resp: 393879

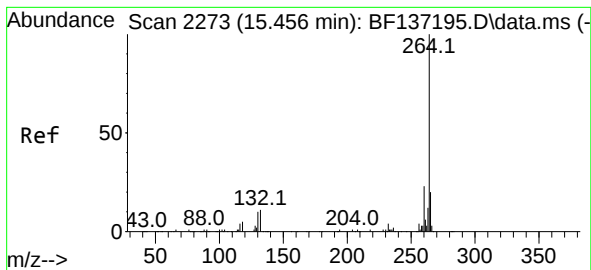
Ion Ratio Lower Upper

228 100

226 30.9 23.7 35.5

229 21.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

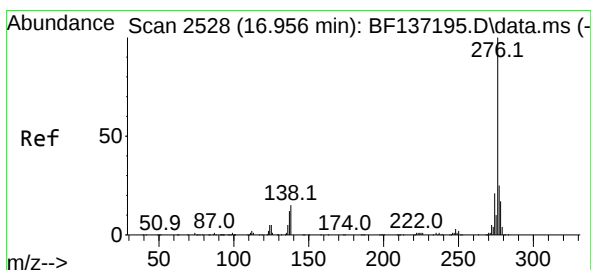
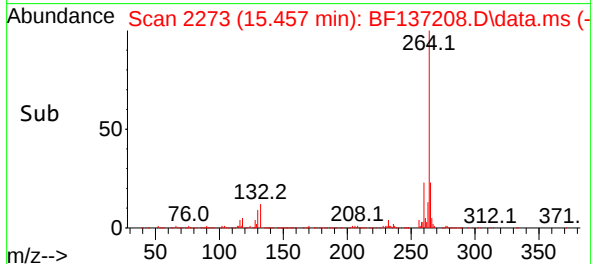
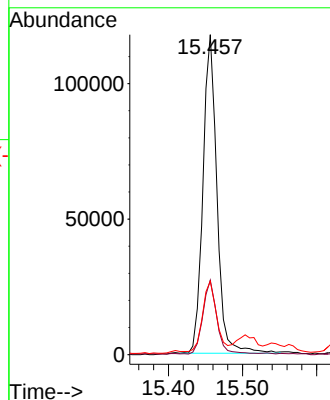
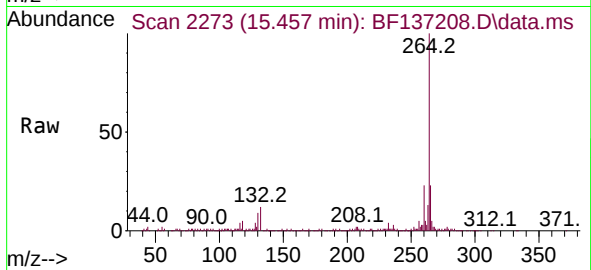
TP-40DL

Tgt Ion:	264	Resp:	15405
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.2	27.4
265	22.9	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.908 ng

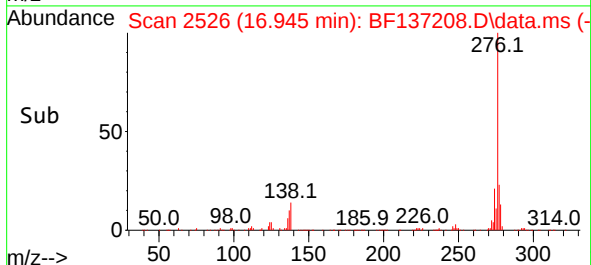
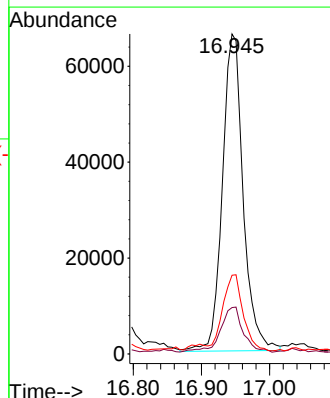
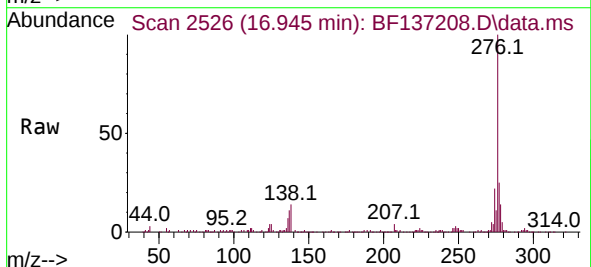
RT: 16.945 min Scan# 2526

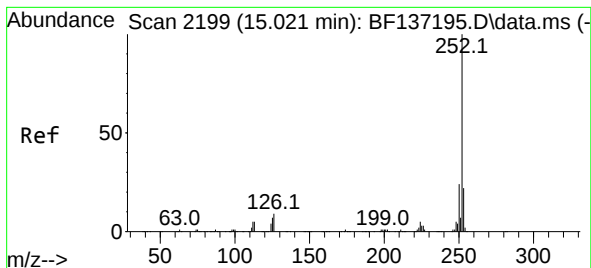
Delta R.T. -0.012 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Tgt Ion:	276	Resp:	139707
Ion Ratio	Lower	Upper	
276	100		
138	15.6	14.6	21.8
277	23.4	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 46.716 ng m

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

Tgt Ion:252 Resp: 442596

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

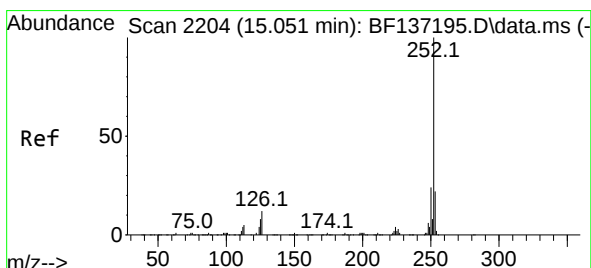
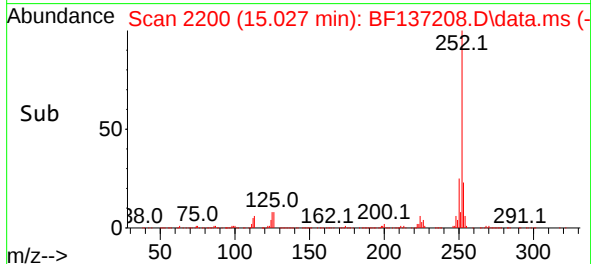
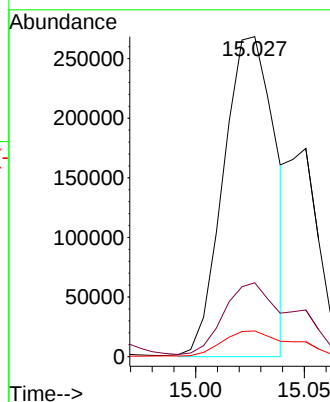
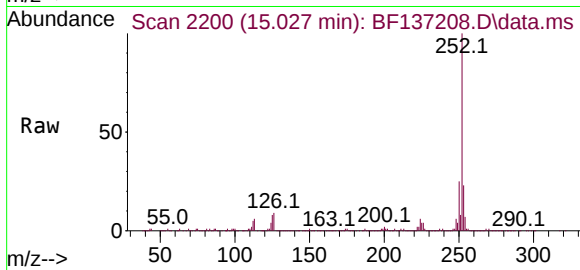
125 8.0 5.4 8.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024

Supervised By :Sohil Jodhani 02/02/2024



#89

Benzo(k)fluoranthene

Concen: 17.747 ng m

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

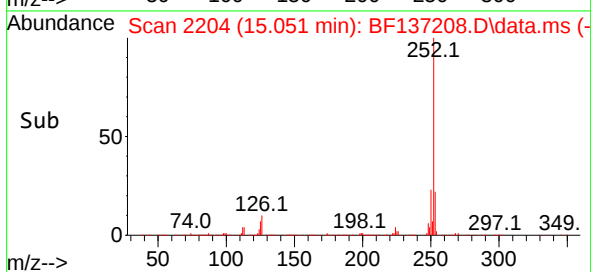
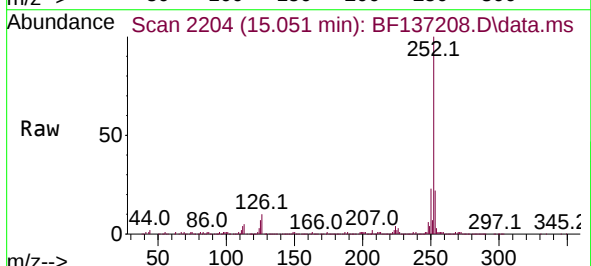
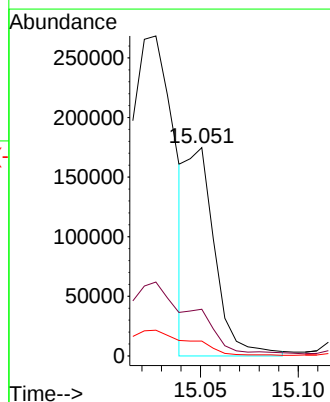
Tgt Ion:252 Resp: 177875

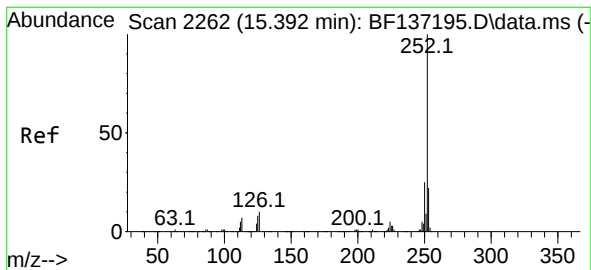
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 7.1 5.9 8.9





#90

Benzo(a)pyrene

Concen: 32.914 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

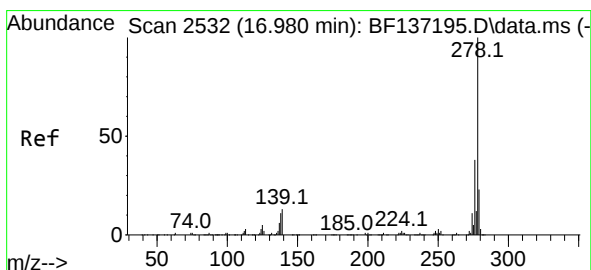
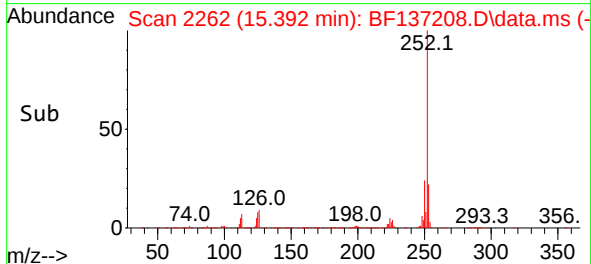
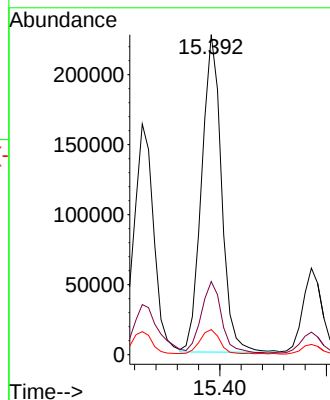
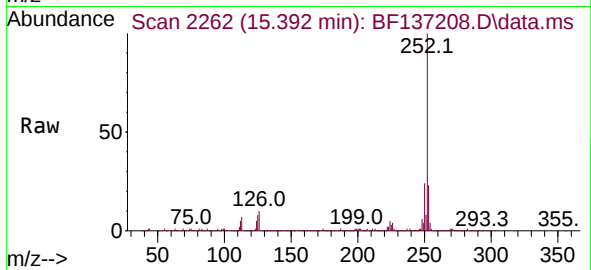
TP-40DL

Tgt Ion:252 Resp: 293452
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.6
 125 7.8 6.5 9.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024



#91

Dibenzo(a,h)anthracene

Concen: 4.128 ng m

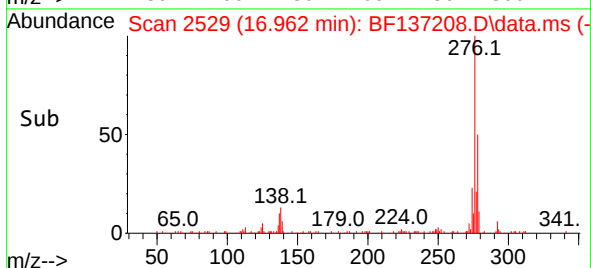
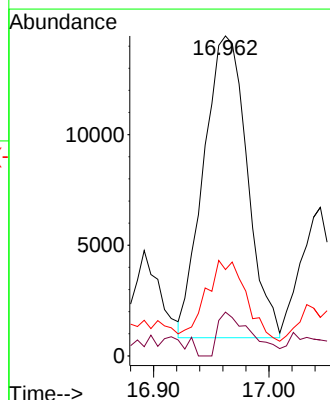
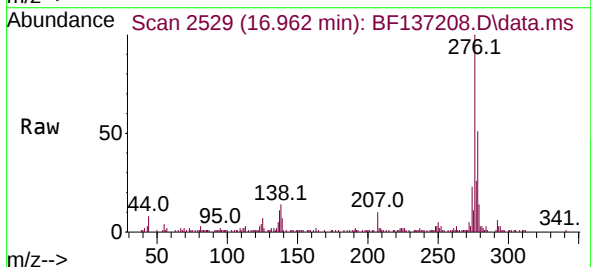
RT: 16.962 min Scan# 2529

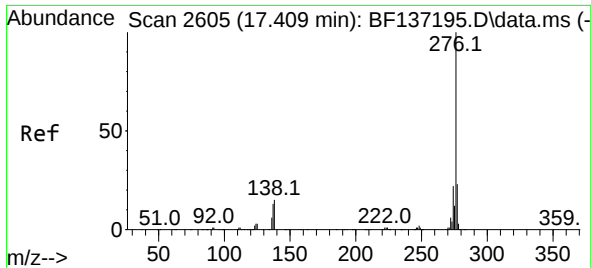
Delta R.T. -0.018 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Tgt Ion:278 Resp: 35803
 Ion Ratio Lower Upper
 278 100
 139 13.7 10.0 15.0
 279 27.0 18.5 27.7





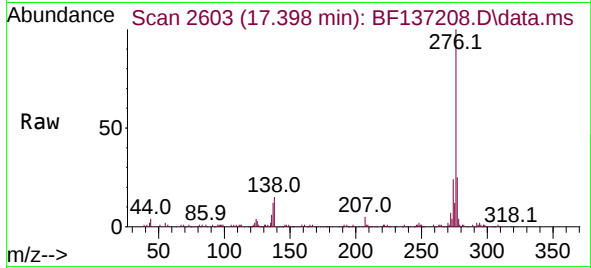
#92
 Benzo(g,h,i)perylene
 Concen: 14.586 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.012 min
 Lab File: BF137208.D
 Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL



Tgt Ion:276 Resp: 124148
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.4 27.6
 138 15.5 11.8 17.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

