

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137075.D
 Acq On : 15 Jan 2024 21:03
 Operator : CG\JU
 Sample : P1139-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-314-0-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

Quant Time: Jan 16 02:04:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	37215	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	125138	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	64664	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	139385	20.000	ng	0.00
76) Chrysene-d12	13.974	240	112603	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	81488	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	107755	45.178	ng	0.00
7) Phenol-d6	6.434	99	120581	39.016	ng	0.00
23) Nitrobenzene-d5	7.345	82	73942	30.236	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	36814	48.340	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	154439	32.123	ng	-0.02
79) Terphenyl-d14	12.904	244	222233	27.580	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	44734	6.255	ng	98
75) Fluoranthene	12.533	202	105632	13.808	ng	99
78) Pyrene	12.763	202	102172	9.243	ng	99
81) Benzo(a)anthracene	13.963	228	51470	6.583	ng	99
83) Chrysene	13.998	228	49103m	6.422	ng	
87) Indeno(1,2,3-cd)pyrene	16.986	276	19077	3.242	ng	97
88) Benzo(b)fluoranthene	15.027	252	45870m	8.428	ng	
89) Benzo(k)fluoranthene	15.051	252	13107m	2.549	ng	
90) Benzo(a)pyrene	15.398	252	30570	6.654	ng	# 92
92) Benzo(g,h,i)perylene	17.456	276	18607	3.764	ng	95

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

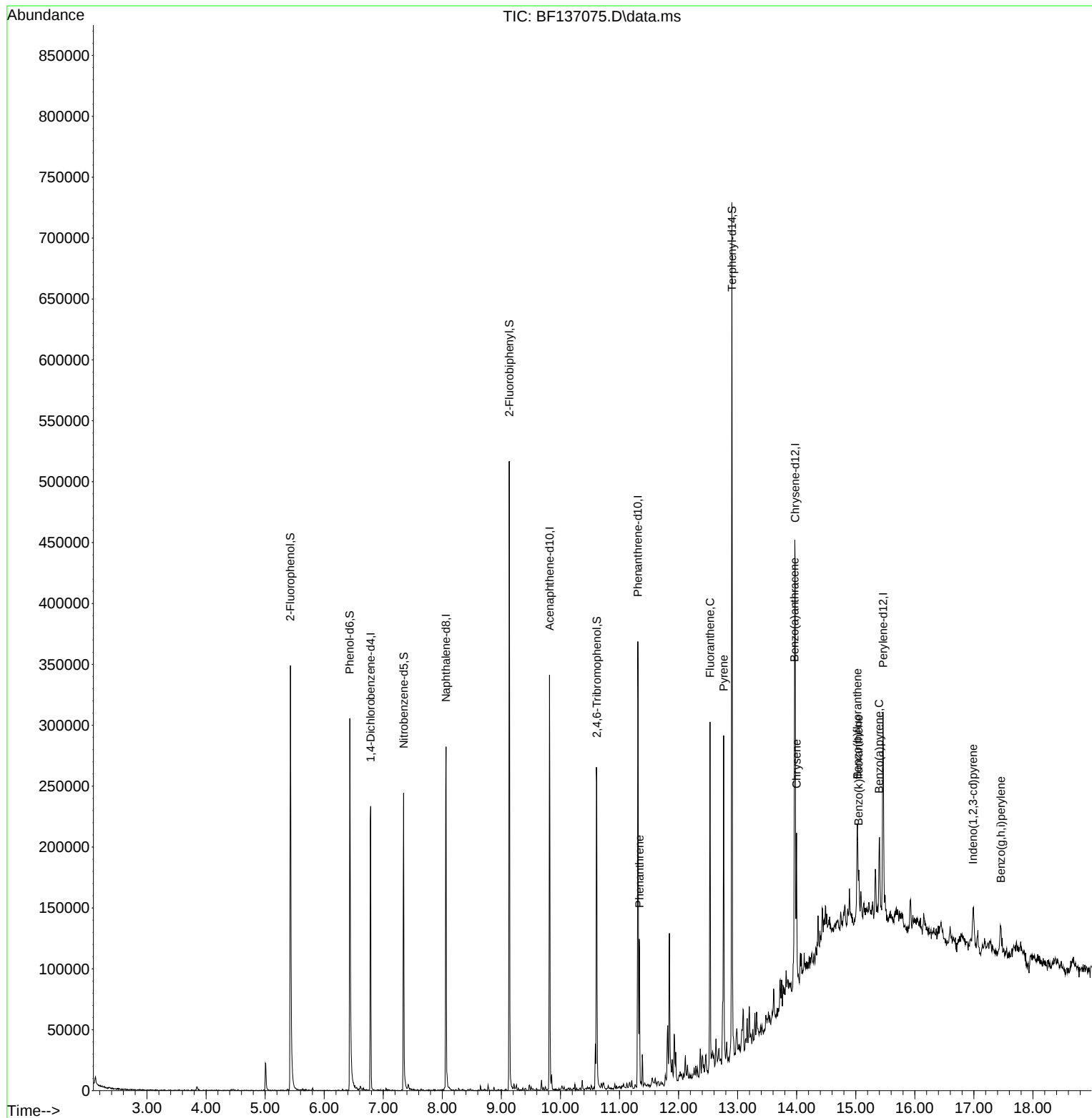
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137075.D
Acq On : 15 Jan 2024 21:03
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ALS Vial : 18 Sample Multiplier: 1

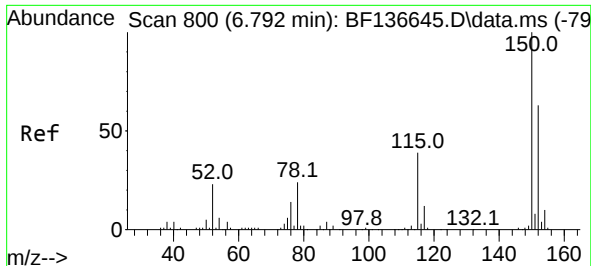
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

Quant Time: Jan 16 02:04:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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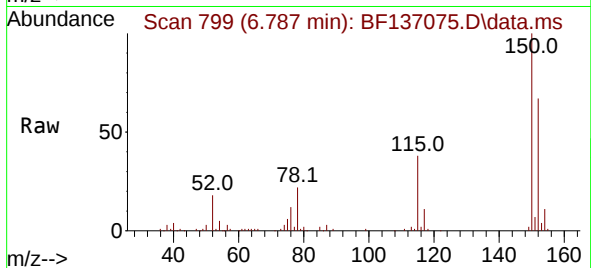
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

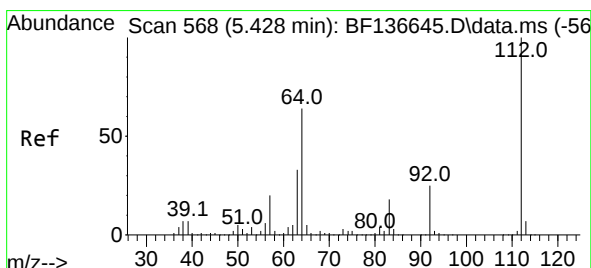
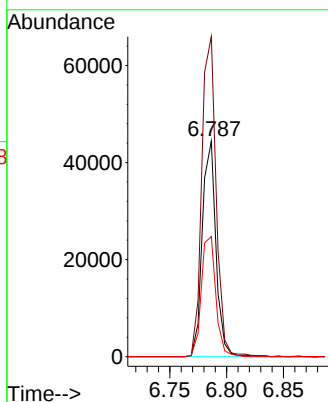
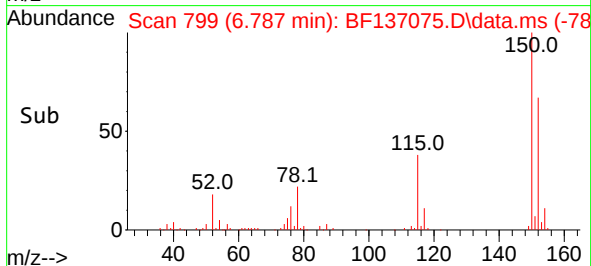
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2



Tgt Ion:152 Resp: 37215
Ion Ratio Lower Upper
152 100
150 148.5 127.0 190.6
115 55.8 49.0 73.4

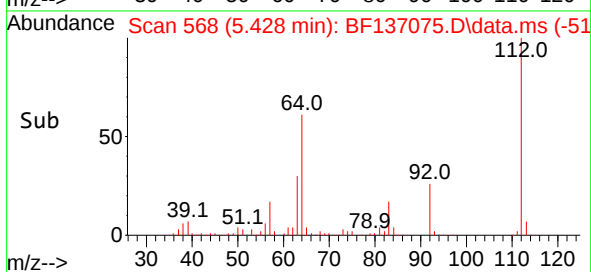
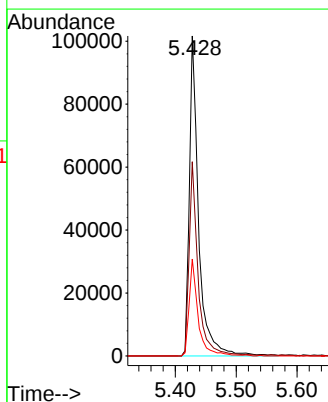
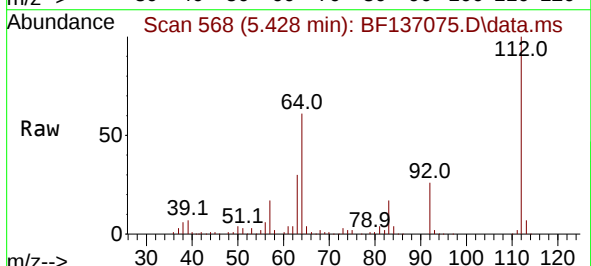
Manual Integrations
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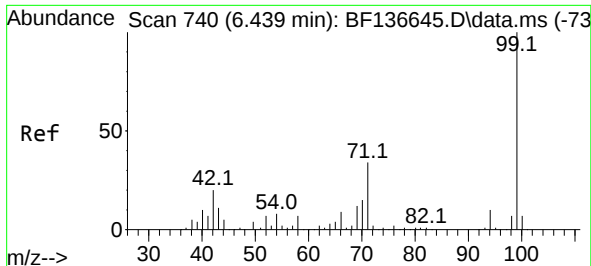
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#5
2-Fluorophenol
Concen: 45.178 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion:112 Resp: 107755
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 30.3 26.1 39.1





#7

Phenol-d6

Concen: 39.016 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

Tgt Ion: 99 Resp: 12058

Ion Ratio Lower Upper

99 100

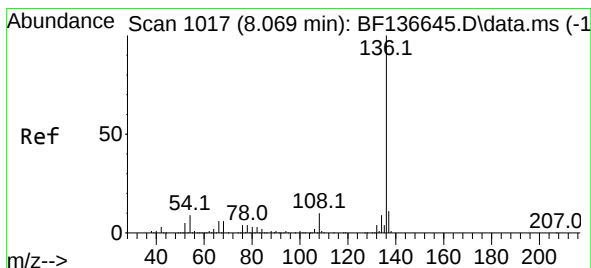
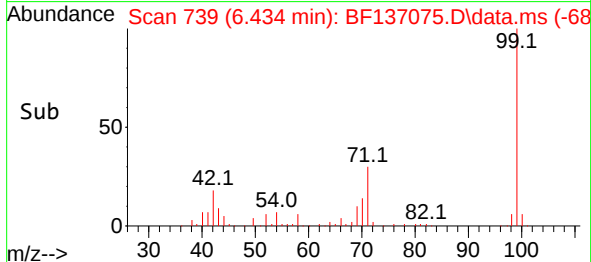
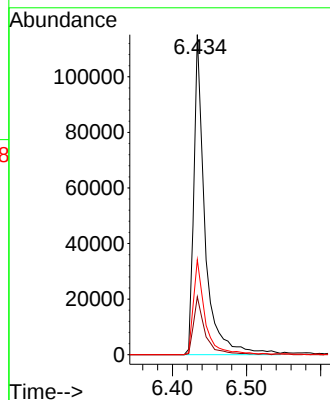
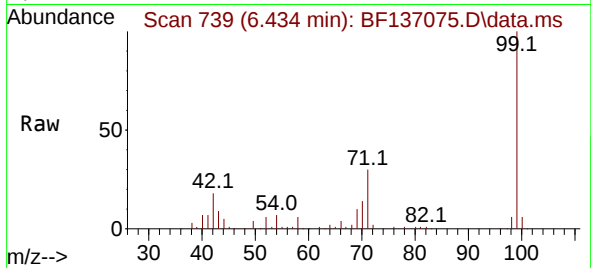
42 18.1 16.1 24.1

71 29.6 27.4 41.2

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Supervised By :mohammad ahmed 01/17/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Tgt Ion:136 Resp: 125138

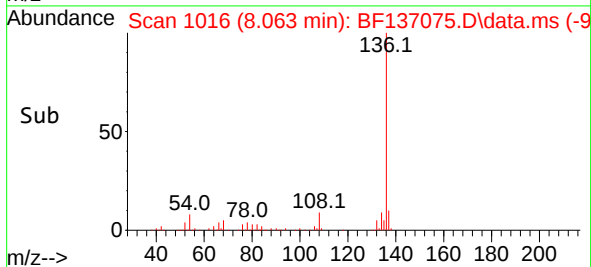
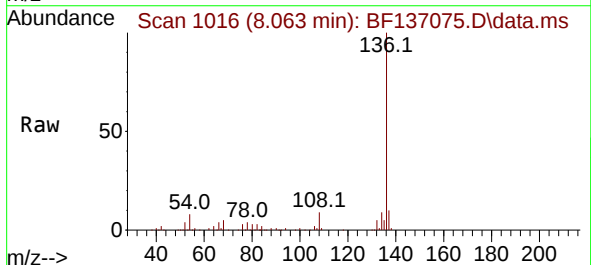
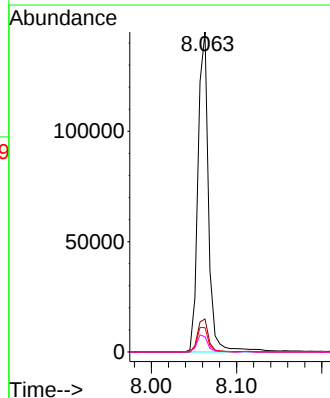
Ion Ratio Lower Upper

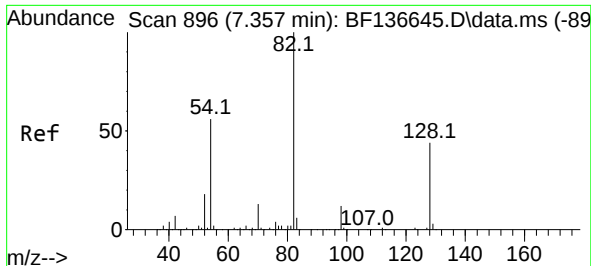
136 100

137 10.3 9.0 13.4

54 7.6 7.2 10.8

68 4.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 30.236 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

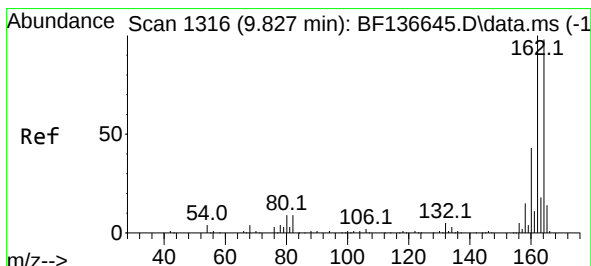
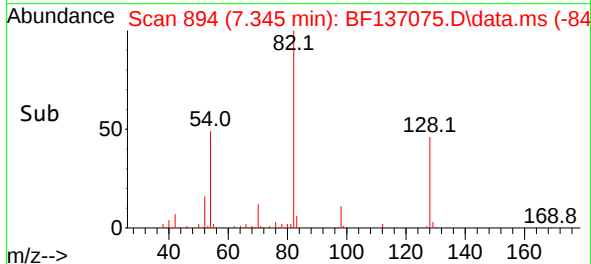
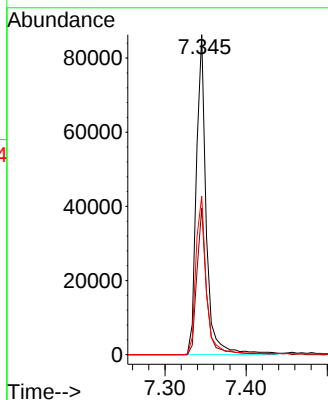
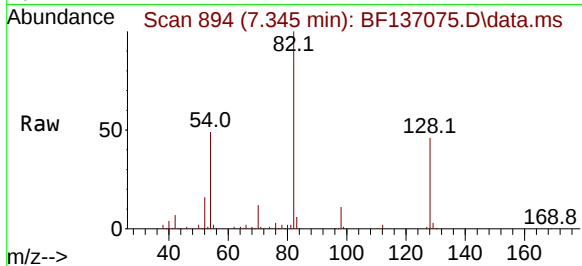
ClientSampleId :

MR-314-0-2

Tgt Ion: 82 Resp: 7394
Ion Ratio Lower Upper
82 100
128 45.8 35.3 52.9
54 49.5 44.5 66.7

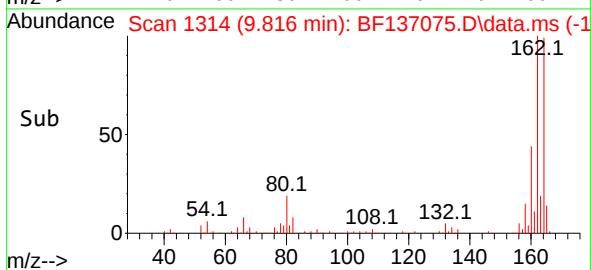
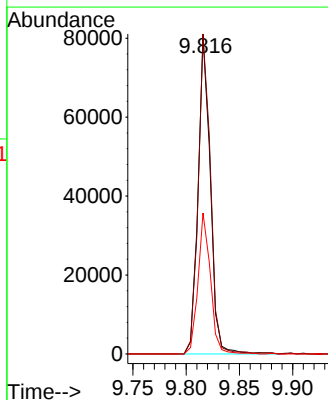
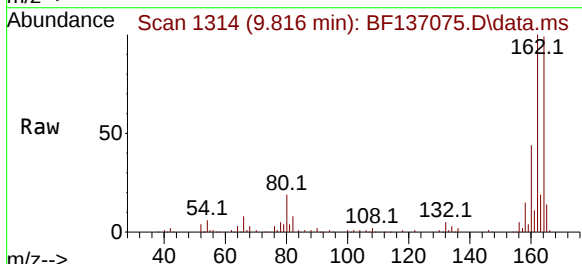
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

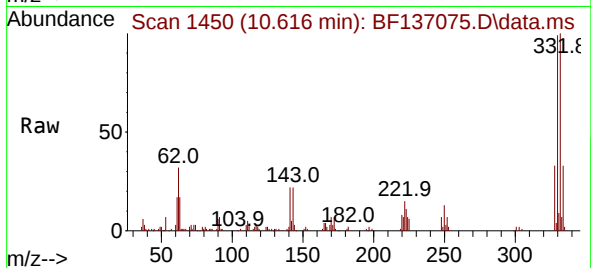
Tgt Ion:164 Resp: 64664
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 44.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 48.340 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

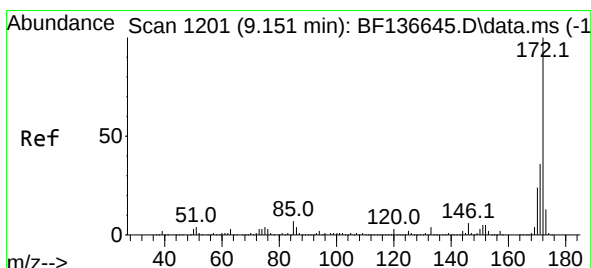
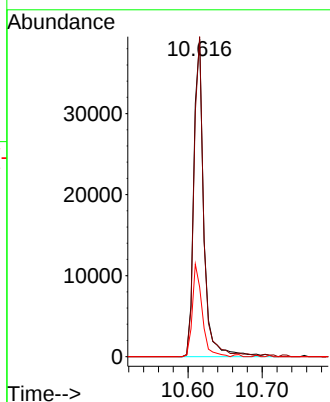
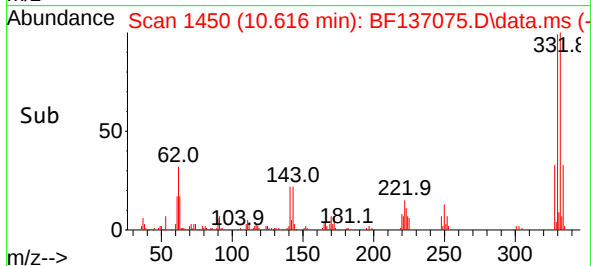
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2



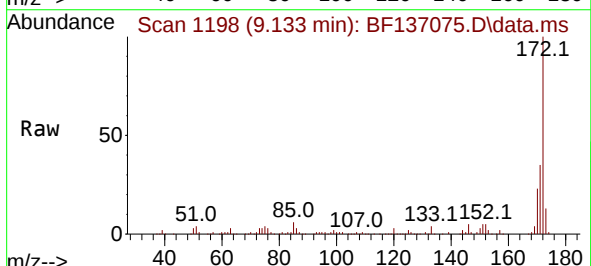
Tgt Ion: 330 Resp: 36814
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 28.3 23.4 35.2

Manual Integrations
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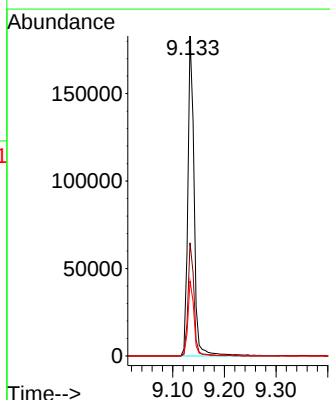
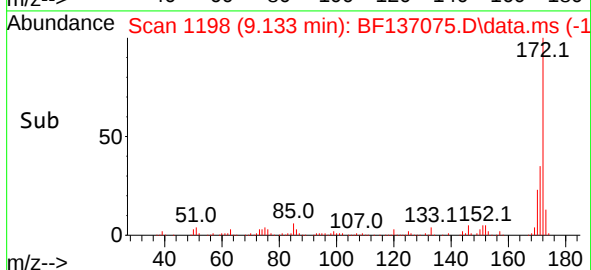
Reviewed By : Jagrut Upadhyay 01/16/2024
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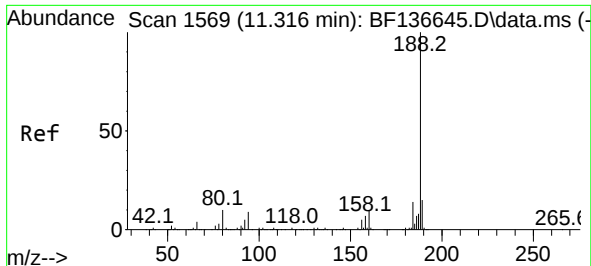


#45
2-Fluorobiphenyl
Concen: 32.123 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03



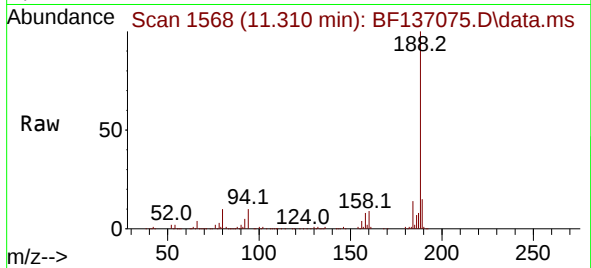
Tgt Ion: 172 Resp: 154439
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.6
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

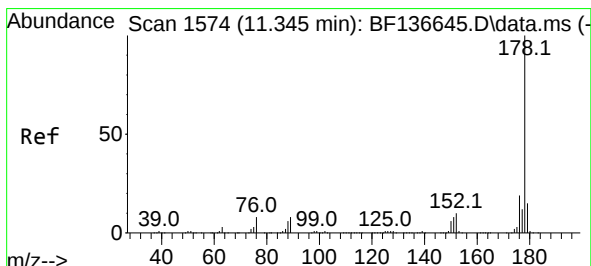
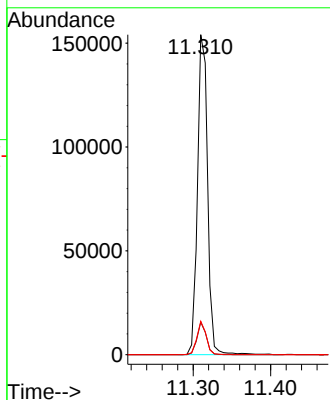
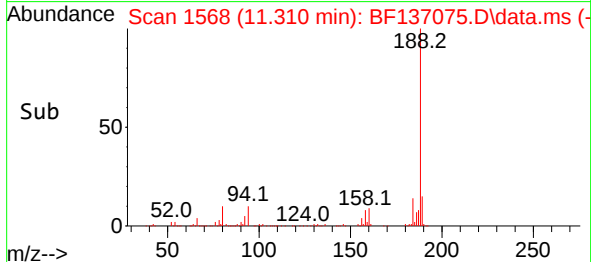
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2



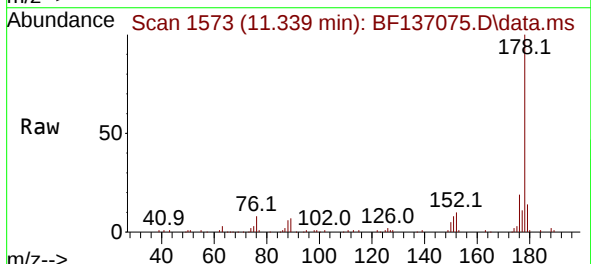
Tgt Ion:188 Resp: 13938
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 10.4 8.1 12.1

Manual Integrations
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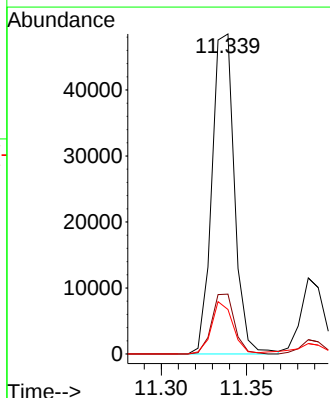
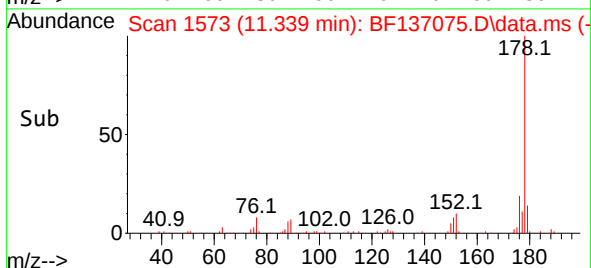
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

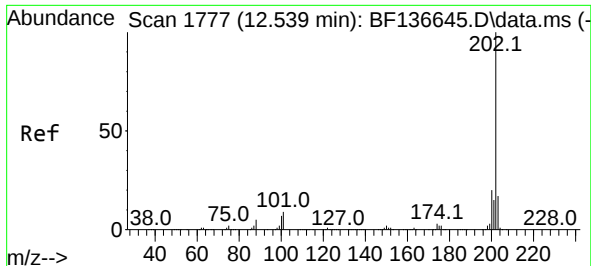


#71
Phenanthrene
Concen: 6.255 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03



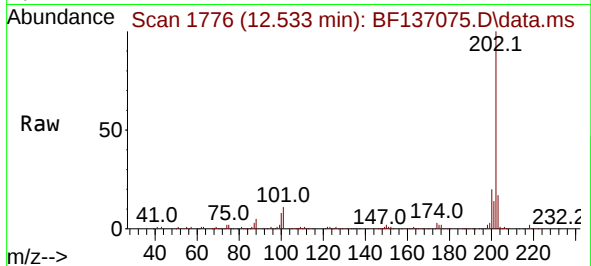
Tgt Ion:178 Resp: 44734
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 13.9 11.9 17.9





#75
Fluoranthene
Concen: 13.808 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

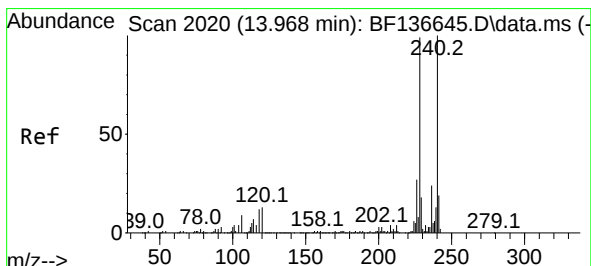
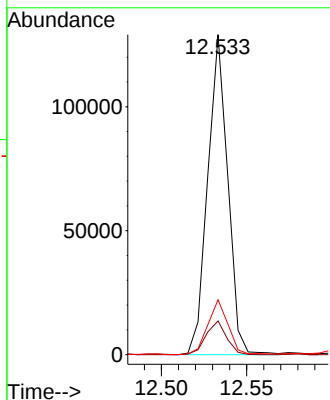
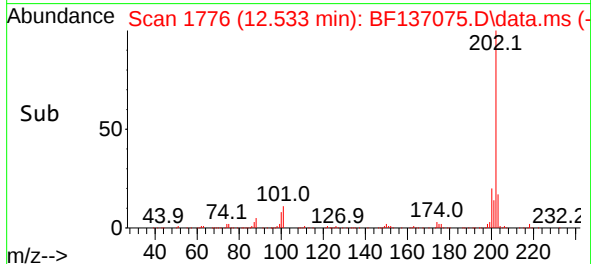
Instrument :
BNA_F
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MR-314-0-2



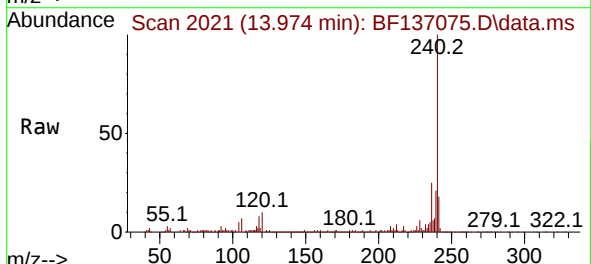
Tgt Ion:202 Resp: 105632
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.3
203 17.2 0.0 37.1

Manual Integrations
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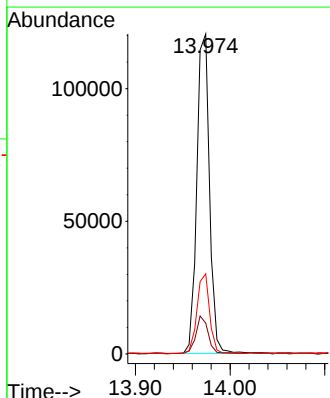
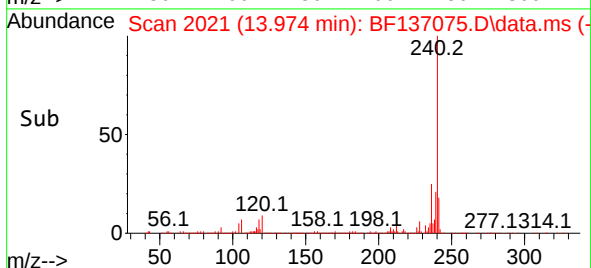
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

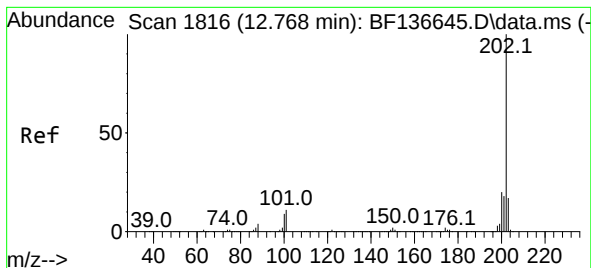


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03



Tgt Ion:240 Resp: 112603
Ion Ratio Lower Upper
240 100
120 9.7 10.3 15.5#
236 25.0 19.4 29.2





#78

Pyrene

Concen: 9.243 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

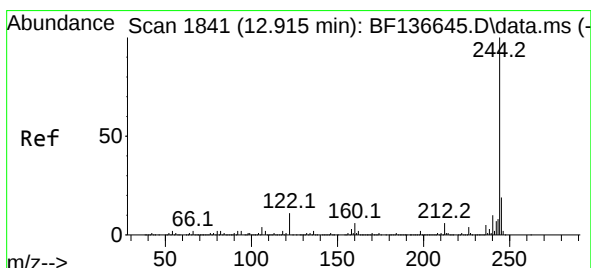
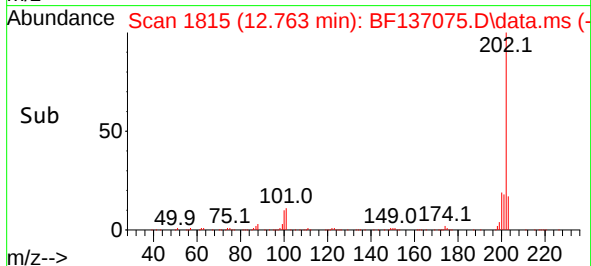
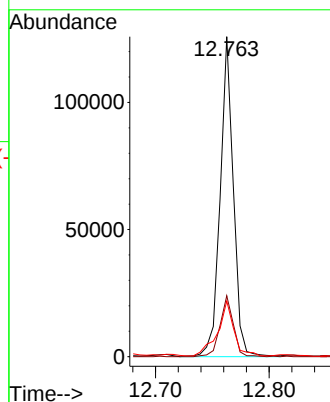
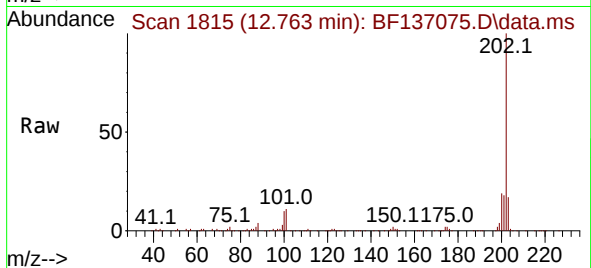
MR-314-0-2

Tgt Ion:	202	Resp:	10217
Ion Ratio	Lower	Upper	
202	100		
200	19.1	15.9	23.9
203	17.4	13.8	20.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 27.580 ng

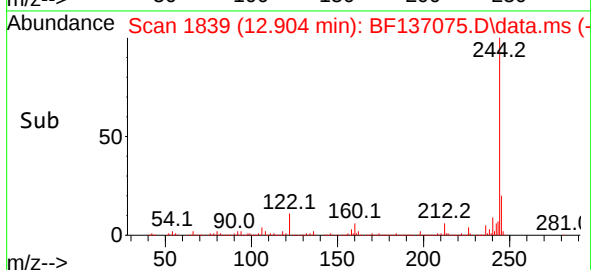
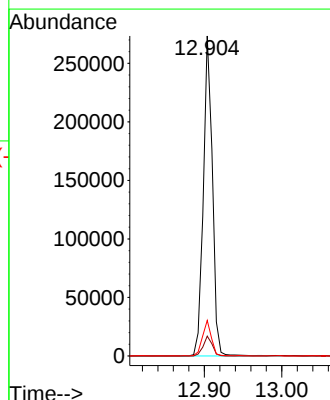
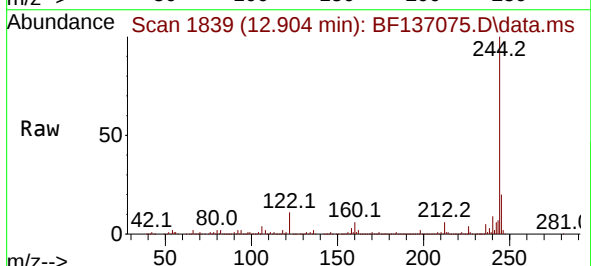
RT: 12.904 min Scan# 1839

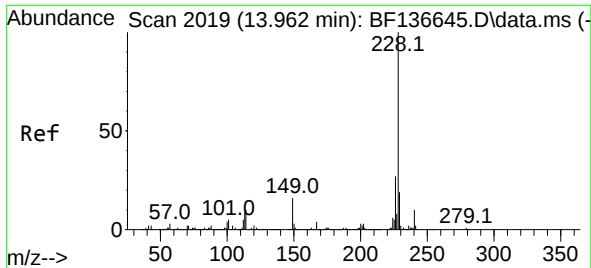
Delta R.T. -0.012 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

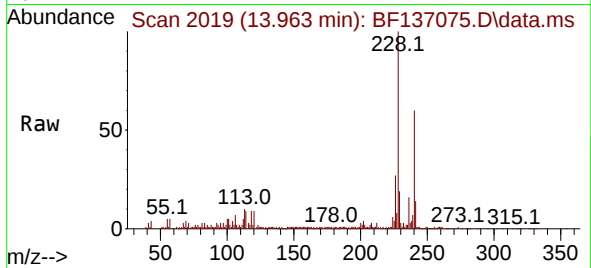
Tgt Ion:	244	Resp:	222233
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.0	7.4
122	11.1	9.0	13.4





#81
Benzo(a)anthracene
Concen: 6.583 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

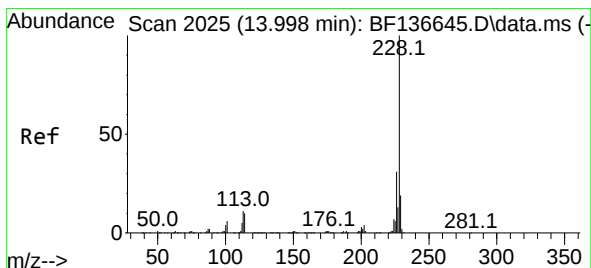
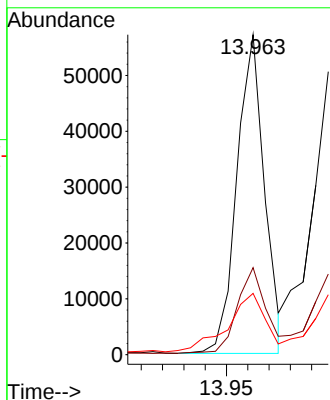
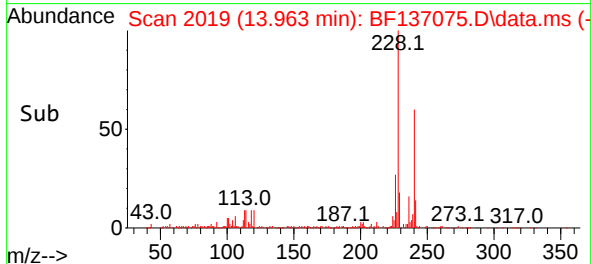
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2



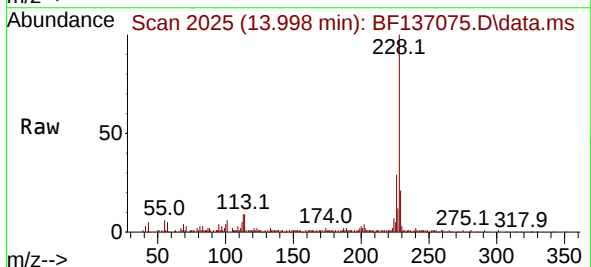
Tgt Ion:228 Resp: 51470
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.0
229 19.1 14.9 22.3

Manual Integrations
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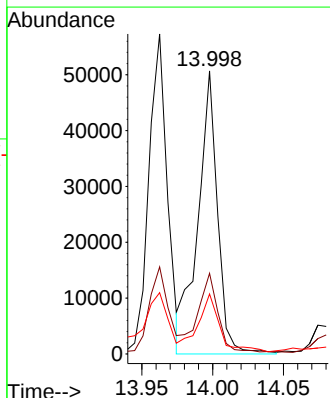
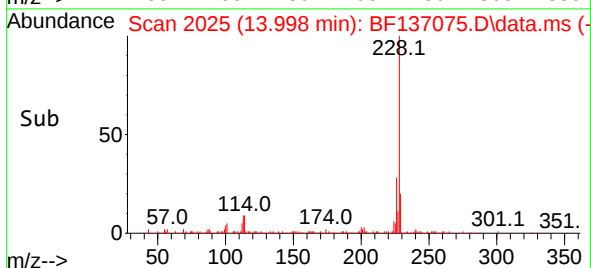
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

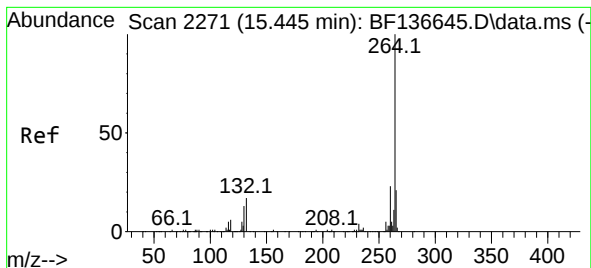


#83
Chrysene
Concen: 6.422 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03



Tgt Ion:228 Resp: 49103
Ion Ratio Lower Upper
228 100
226 28.5 24.7 37.1
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

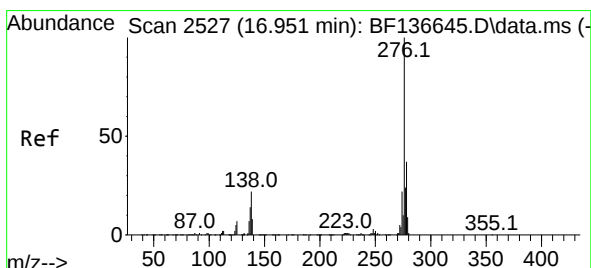
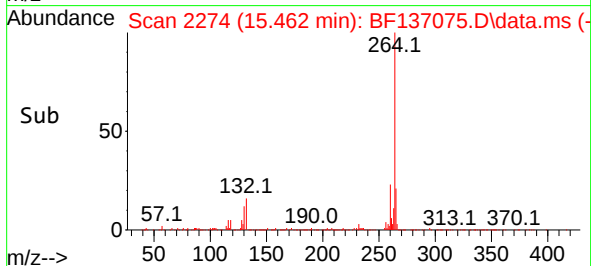
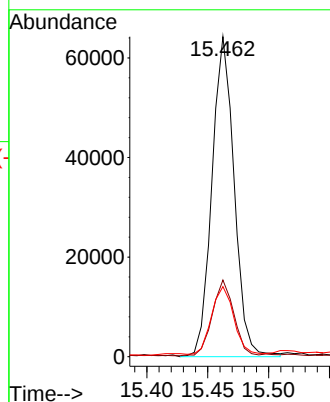
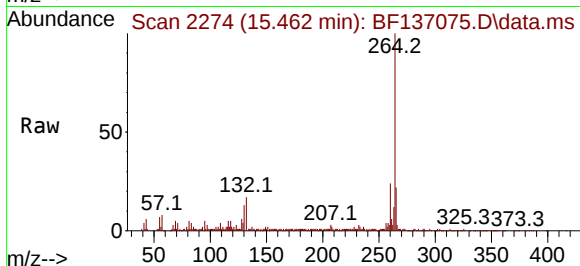
MR-314-0-2

Tgt Ion:	264	Resp:	8148
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.3	27.5
265	21.9	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.242 ng

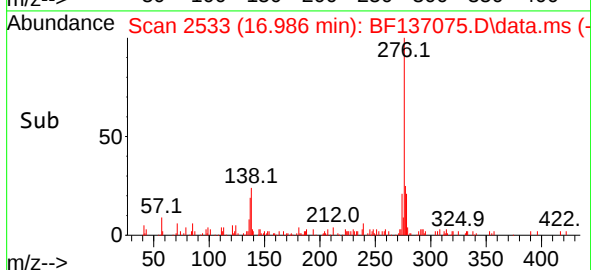
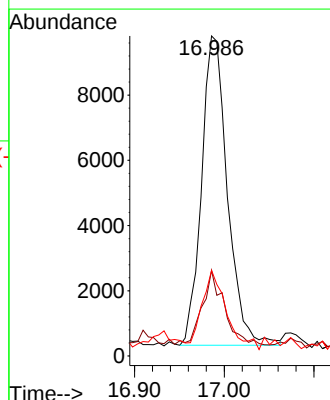
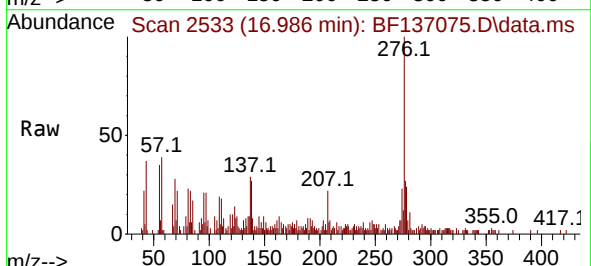
RT: 16.986 min Scan# 2533

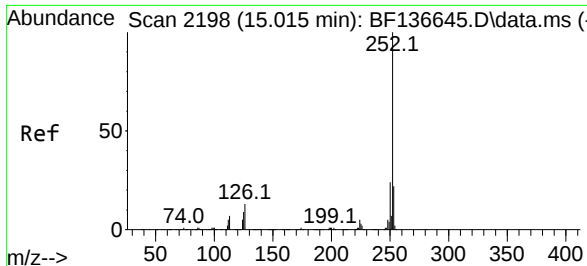
Delta R.T. 0.035 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Tgt Ion:	276	Resp:	19077
Ion Ratio	Lower	Upper	
276	100		
138	22.0	18.7	28.1
277	24.1	20.2	30.2





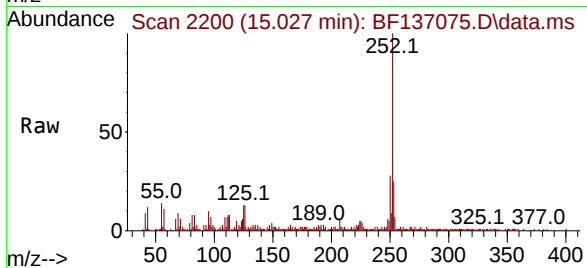
#88
Benzo(b)fluoranthene
Concen: 8.428 ng m
RT: 15.027 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

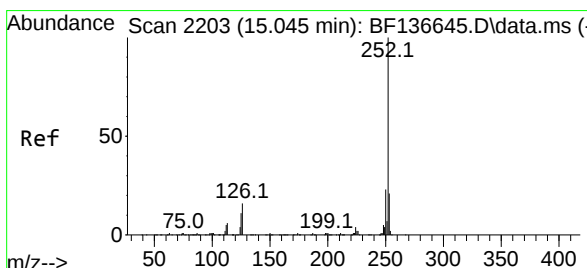
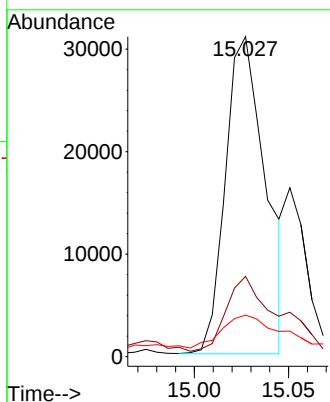
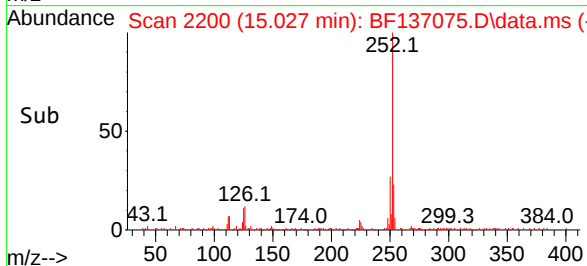


Tgt Ion:252 Resp: 45870
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 13.0 7.4 11.2

Manual Integrations

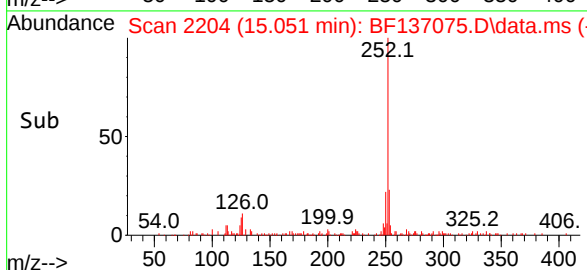
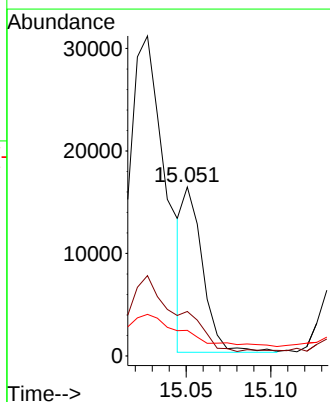
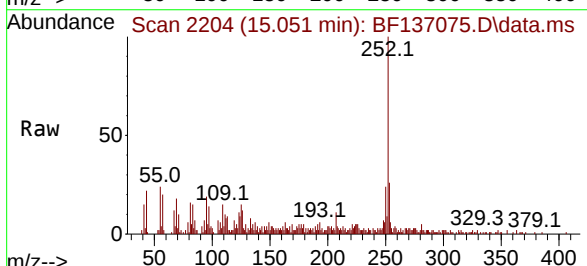
APPROVED

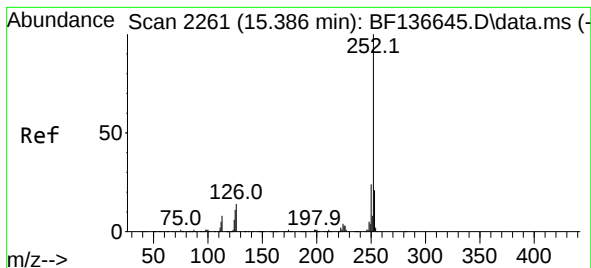
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#89
Benzo(k)fluoranthene
Concen: 2.549 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion:252 Resp: 13107
Ion Ratio Lower Upper
252 100
253 26.3 17.0 25.6#
125 15.1 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 6.654 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

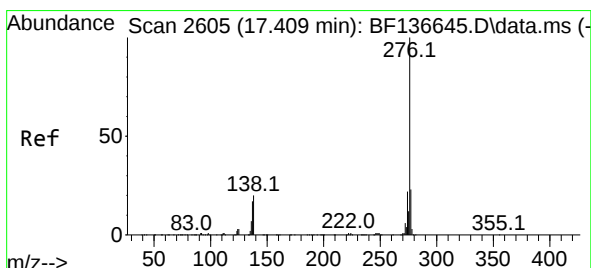
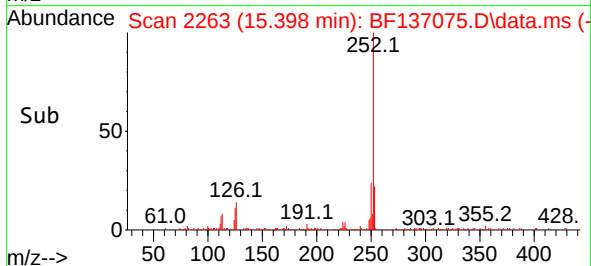
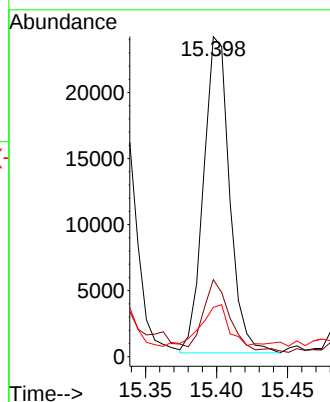
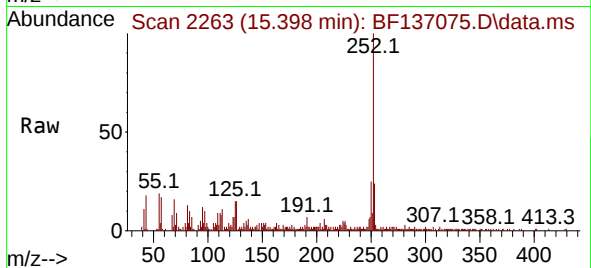
MR-314-0-2

Tgt Ion:	252	Resp:	30570
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	15.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#92

Benzo(g,h,i)perylene

Concen: 3.764 ng

RT: 17.456 min Scan# 2613

Delta R.T. 0.047 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Tgt Ion:	276	Resp:	18607
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.3	27.5
138	21.5	15.6	23.4

