

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137032.D
 Acq On : 10 Jan 2024 21:37
 Operator : CG\JU
 Sample : P1086-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 332

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/11/2024
 Supervised By :mohammad ahmed 01/12/2024

Quant Time: Jan 11 00:03:50 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	43128	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	144934	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	71241	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	114753	20.000	ng	# 0.03
76) Chrysene-d12	13.998	240	118973	20.000	ng	0.03
86) Perylene-d12	15.474	264	93018	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	52870	19.127	ng	0.00
7) Phenol-d6	6.440	99	59103	16.502	ng	0.00
23) Nitrobenzene-d5	7.345	82	32277	11.396	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	14489	17.269	ng	0.01
45) 2-Fluorobiphenyl	9.139	172	71146	13.432	ng	-0.01
79) Terphenyl-d14	12.945	244	79579	9.347	ng	0.03
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	40939	6.953	ng	# 50
75) Fluoranthene	12.580	202	58195	9.240	ng	77
78) Pyrene	12.810	202	70571	6.042	ng	# 84
81) Benzo(a)anthracene	13.986	228	40722	4.929	ng	# 93
83) Chrysene	14.027	228	40760	5.045	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.992	276	16784	2.499	ng	96
88) Benzo(b)fluoranthene	15.039	252	41705m	6.713	ng	
89) Benzo(k)fluoranthene	15.063	252	13188m	2.246	ng	
90) Benzo(a)pyrene	15.416	252	25375	4.839	ng	# 82
92) Benzo(g,h,i)perylene	17.462	276	15141	2.683	ng	# 90

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

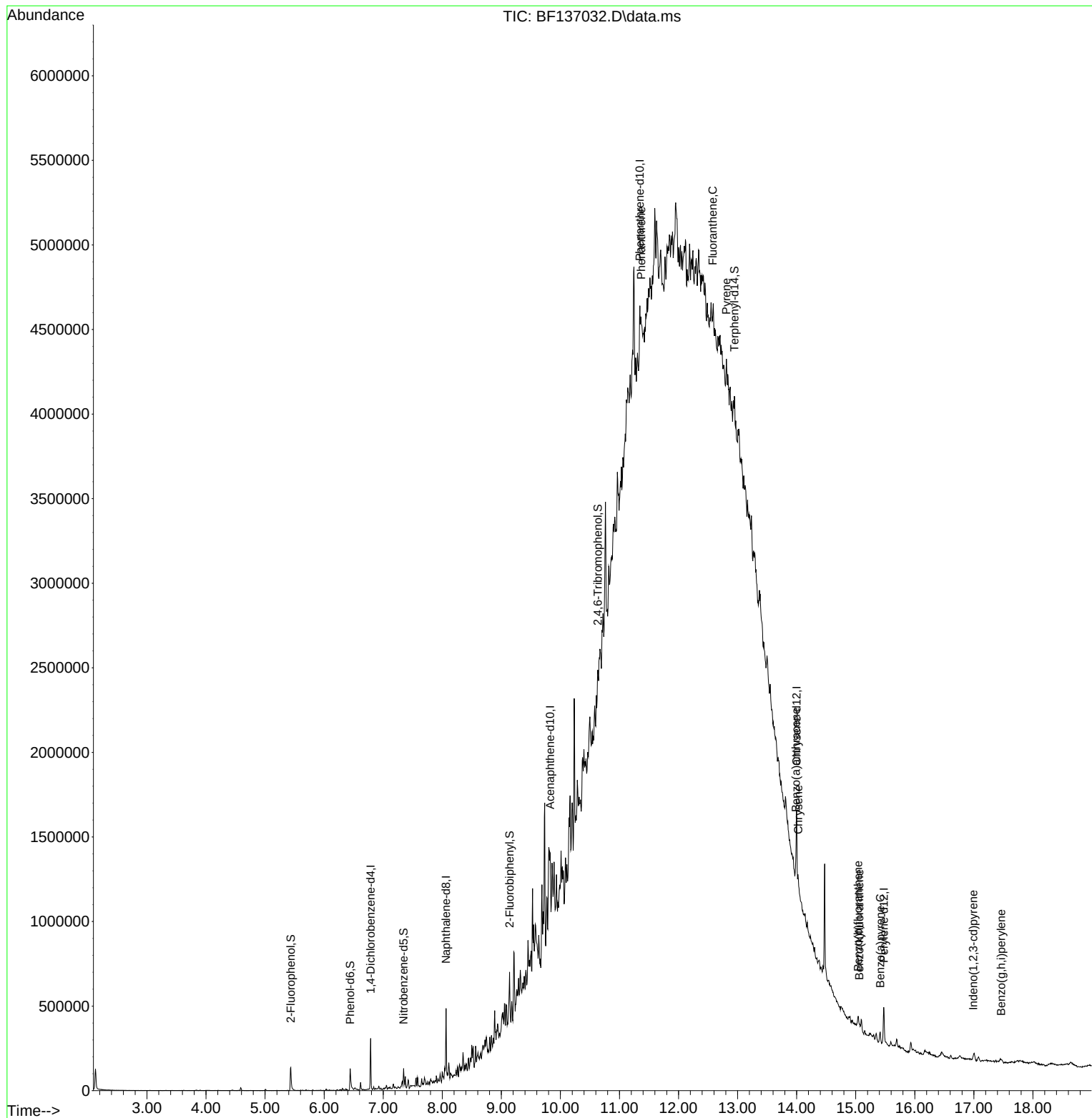
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
Data File : BF137032.D
Acq On : 10 Jan 2024 21:37
Operator : CG\JU
Sample : P1086-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

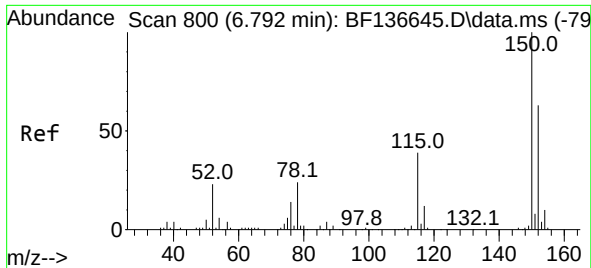
Instrument :
BNA_F
ClientSampleId :
332

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024

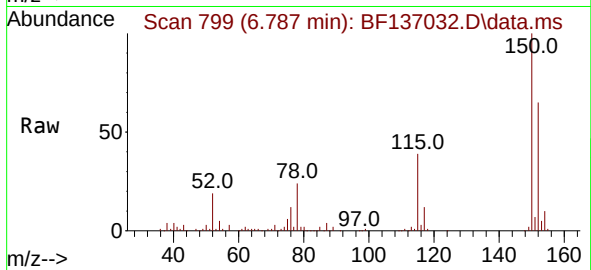
Quant Time: Jan 11 00:03:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

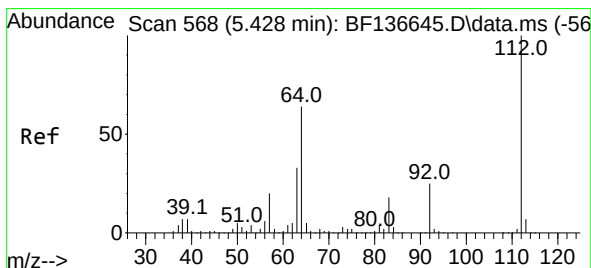
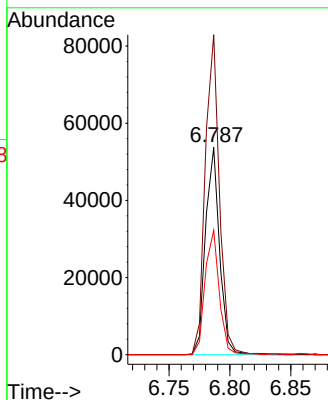
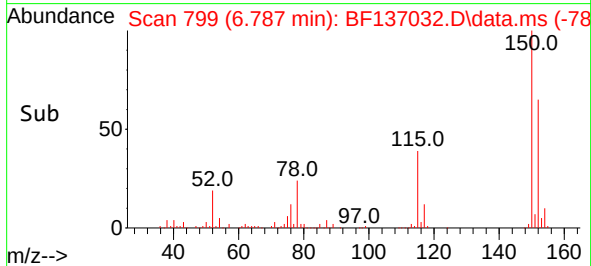
Instrument :
BNA_F
ClientSampleId :
332



Tgt Ion:152 Resp: 43128
Ion Ratio Lower Upper
152 100
150 154.3 127.0 190.6
115 60.0 49.0 73.4

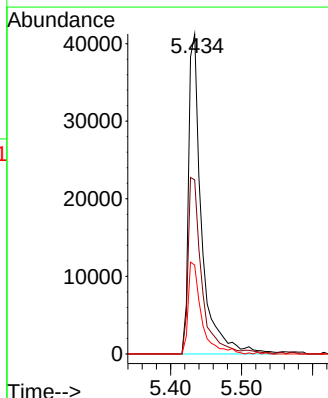
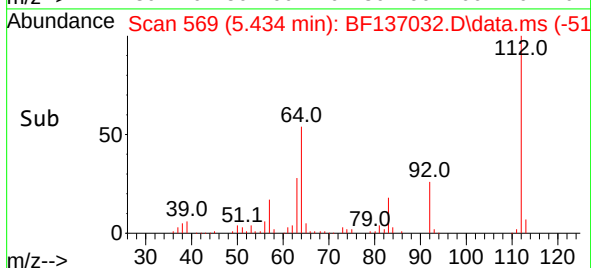
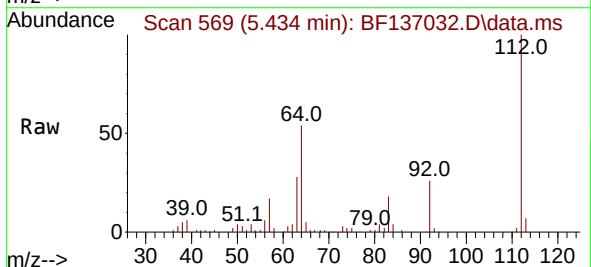
Manual Integrations
APPROVED

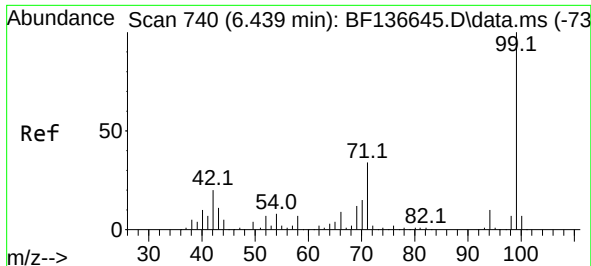
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#5
2-Fluorophenol
Concen: 19.127 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

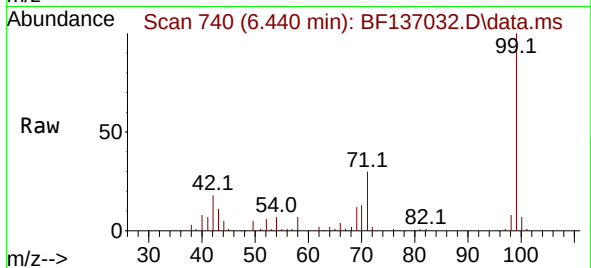
Tgt Ion:112 Resp: 52870
Ion Ratio Lower Upper
112 100
64 54.4 51.1 76.7
63 27.8 26.1 39.1





#7
Phenol-d6
Concen: 16.502 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

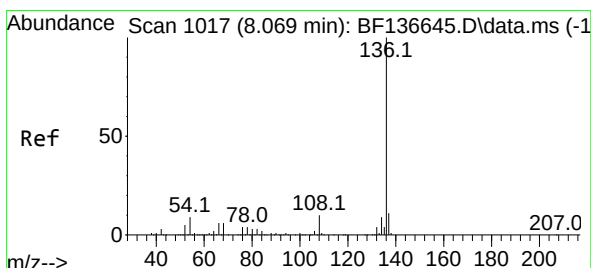
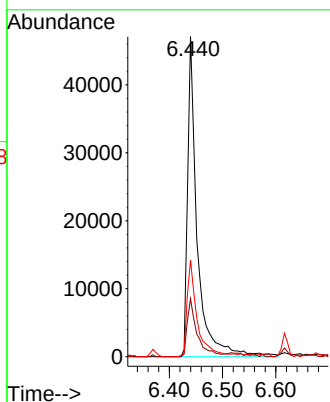
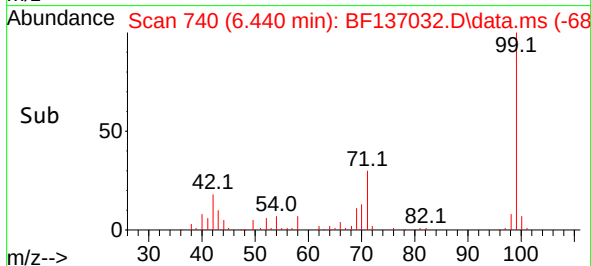
Instrument :
BNA_F
ClientSampleId :
332



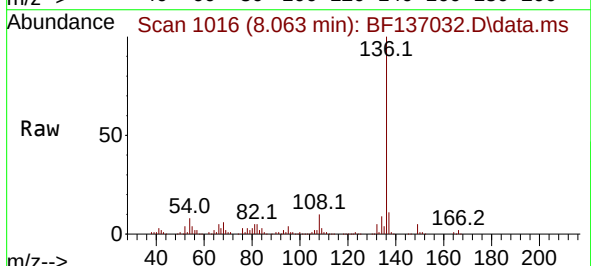
Tgt Ion: 99 Resp: 5910
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 30.2 27.4 41.2

Manual Integrations
APPROVED

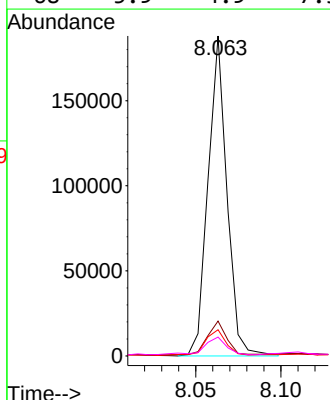
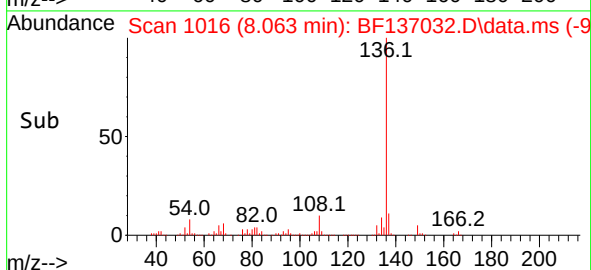
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024

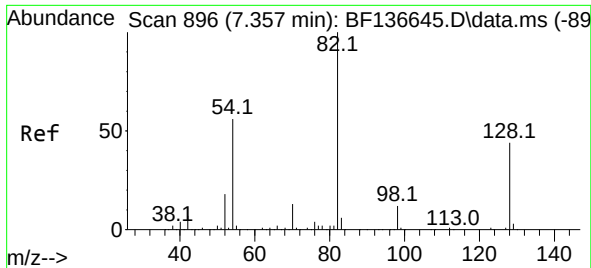


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37



Tgt Ion:136 Resp: 144934
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.2 7.2 10.8
68 5.9 4.9 7.3





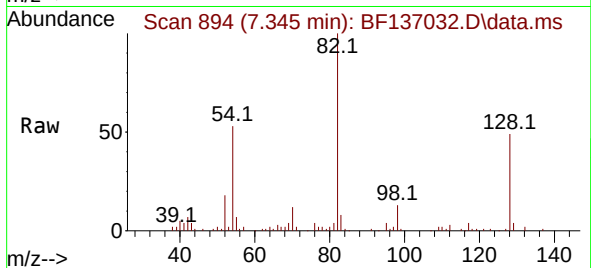
#23
Nitrobenzene-d5
Concen: 11.396 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

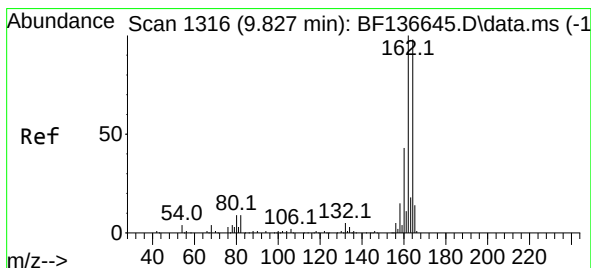
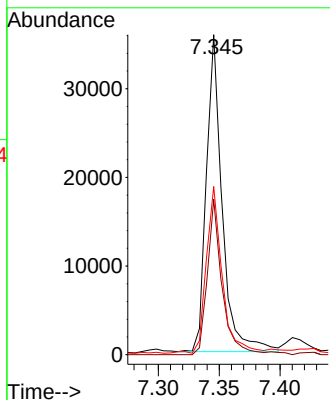
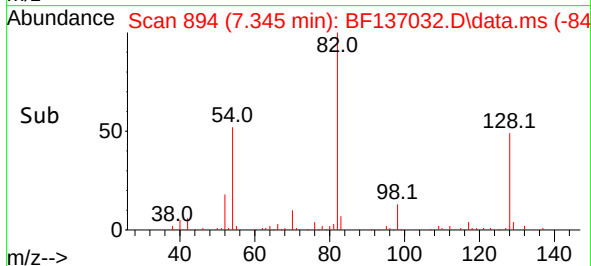


Tgt Ion: 82 Resp: 3227
Ion Ratio Lower Upper
82 100
128 48.5 35.3 52.9
54 52.5 44.5 66.7

Manual Integrations

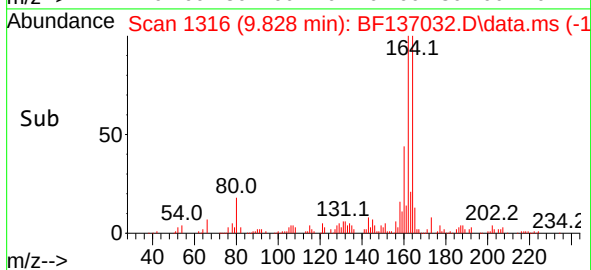
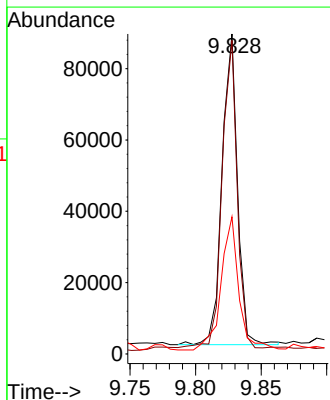
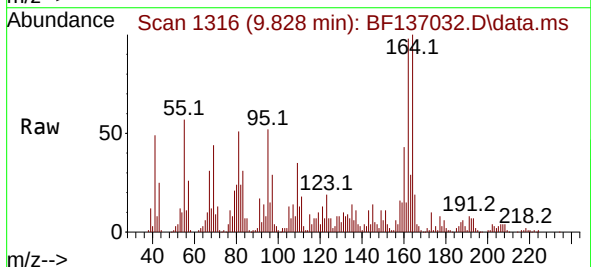
APPROVED

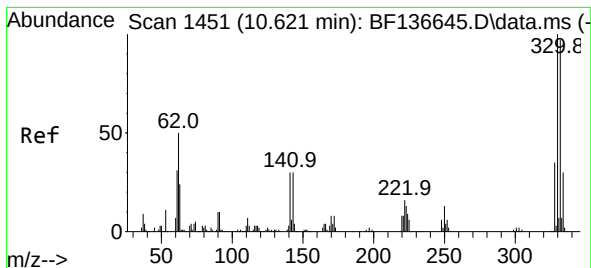
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

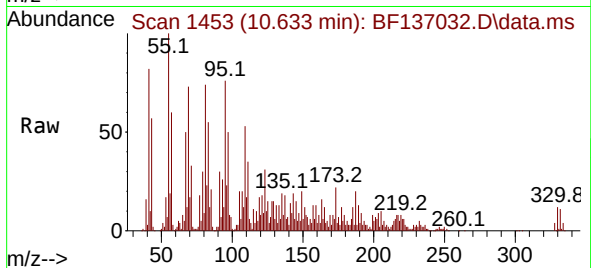
Tgt Ion:164 Resp: 71241
Ion Ratio Lower Upper
164 100
162 98.0 81.6 122.4
160 42.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 17.269 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

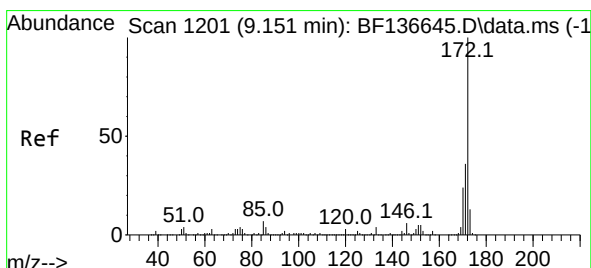
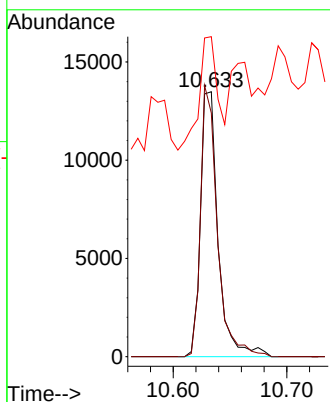
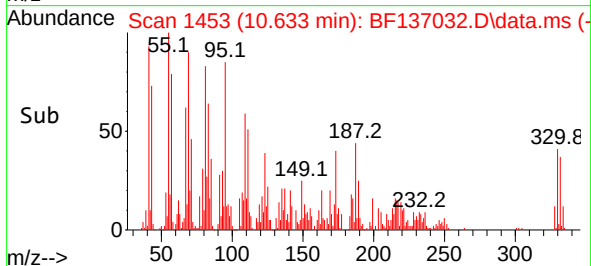
Instrument :
BNA_F
ClientSampleId :
332



Tgt Ion: 330 Resp: 14489
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 45.1 23.4 35.2

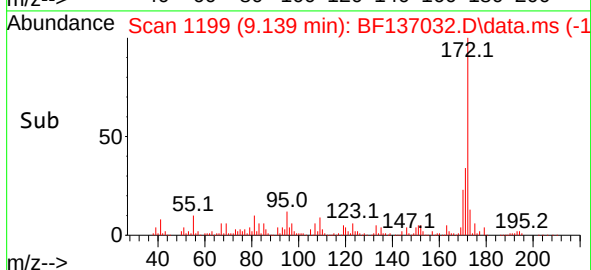
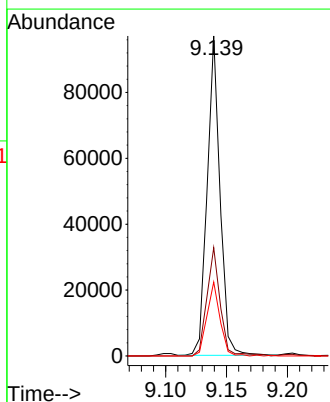
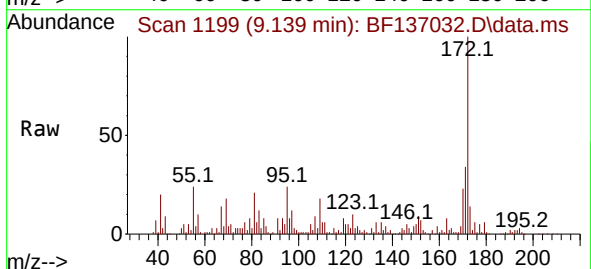
Manual Integrations
APPROVED

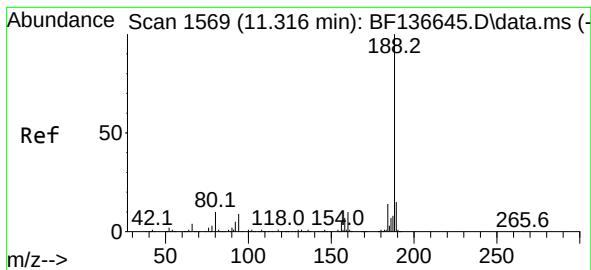
Reviewed By : Yogesh Patel 01/11/2024
Supervised By : mohammad ahmed 01/12/2024



#45
2-Fluorobiphenyl
Concen: 13.432 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion: 172 Resp: 71146
Ion Ratio Lower Upper
172 100
171 33.9 29.0 43.6
170 23.1 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

Tgt Ion:188 Resp: 11475

Ion Ratio Lower Upper

188 100

94 28.0 7.5 11.3

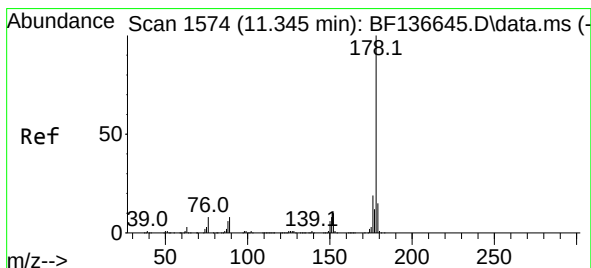
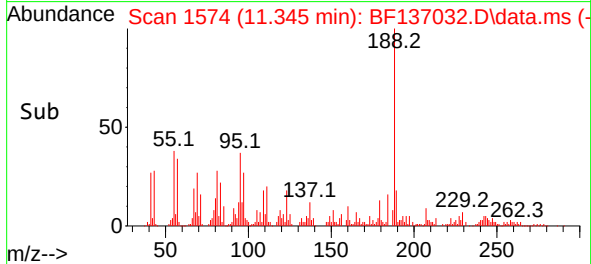
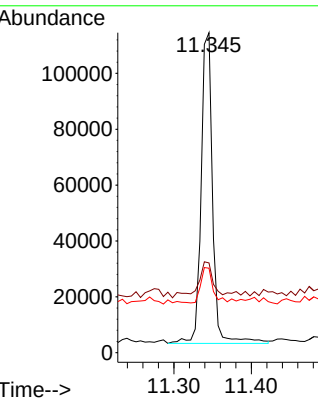
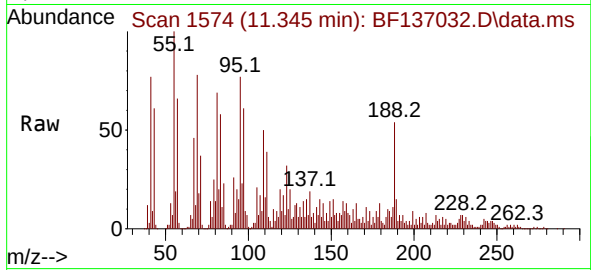
80 26.4 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#71

Phenanthrene

Concen: 6.953 ng

RT: 11.369 min Scan# 1578

Delta R.T. 0.024 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

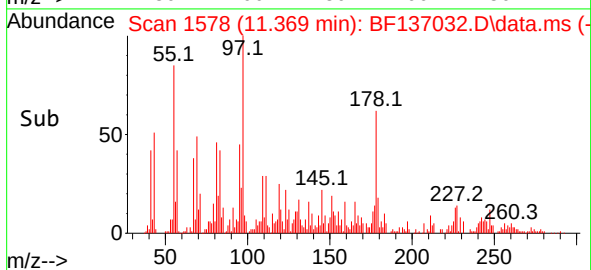
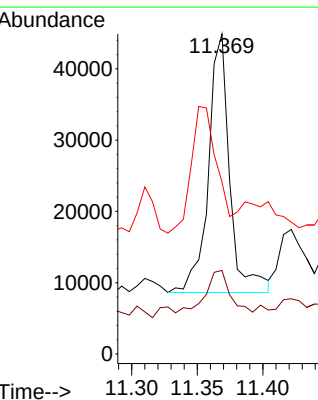
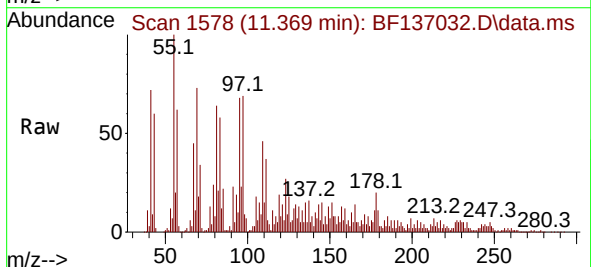
Tgt Ion:178 Resp: 40939

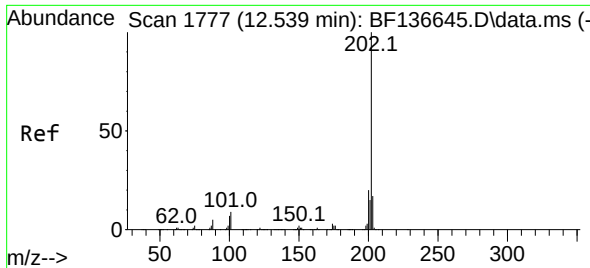
Ion Ratio Lower Upper

178 100

176 26.1 15.3 22.9#

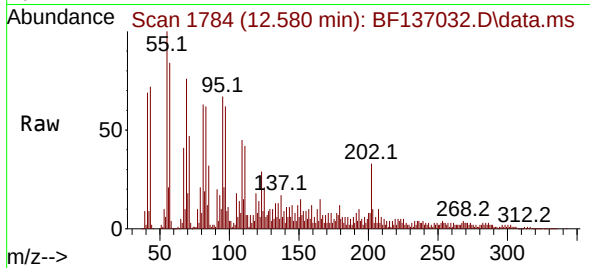
179 53.8 11.9 17.9#





#75
Fluoranthene
Concen: 9.240 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

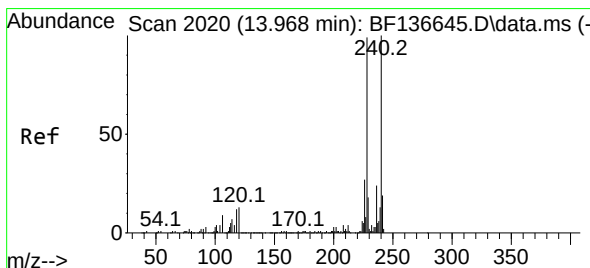
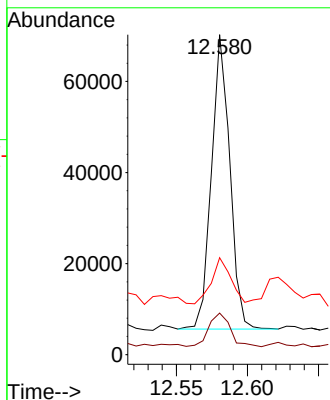
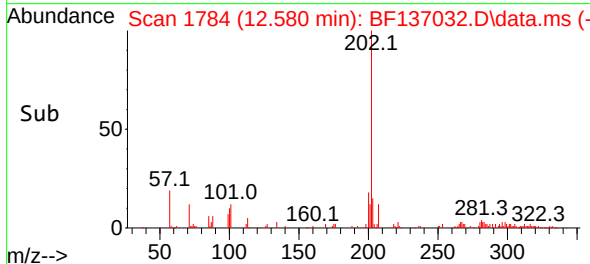
Instrument :
BNA_F
ClientSampleId :
332



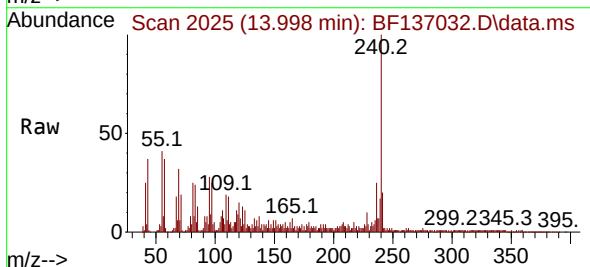
Tgt Ion:202 Resp: 5819
Ion Ratio Lower Upper
202 100
101 13.0 0.0 29.3
203 30.3 0.0 37.1

Manual Integrations
APPROVED

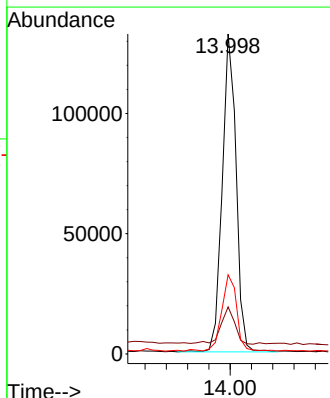
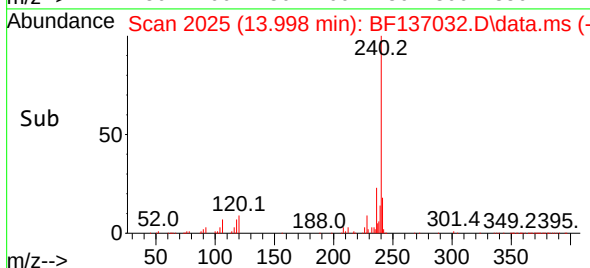
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024

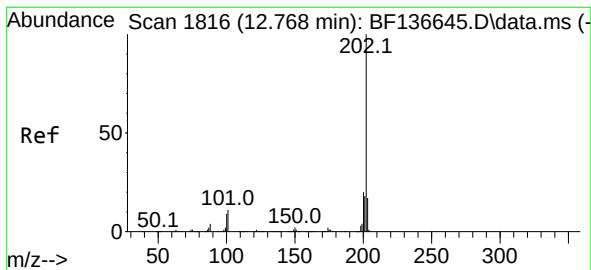


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.030 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37



Tgt Ion:240 Resp: 118973
Ion Ratio Lower Upper
240 100
120 14.7 10.3 15.5
236 24.7 19.4 29.2





#78

Pyrene

Concen: 6.042 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.041 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

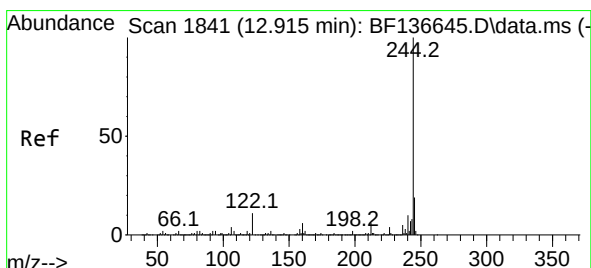
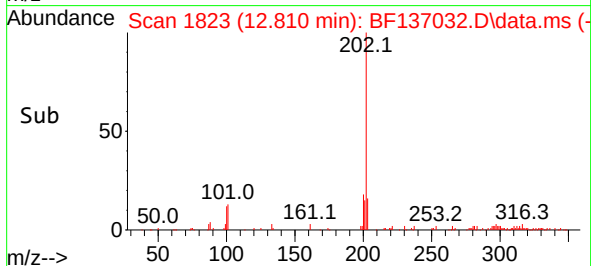
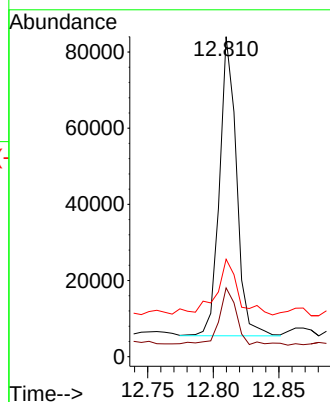
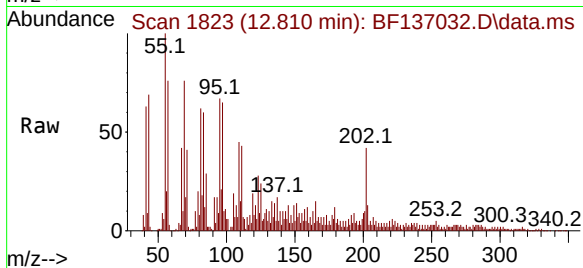
Tgt Ion:202 Resp: 7057
 Ion Ratio Lower Upper
 202 100
 200 21.5 15.9 23.9
 203 30.5 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#79

Terphenyl-d14

Concen: 9.347 ng

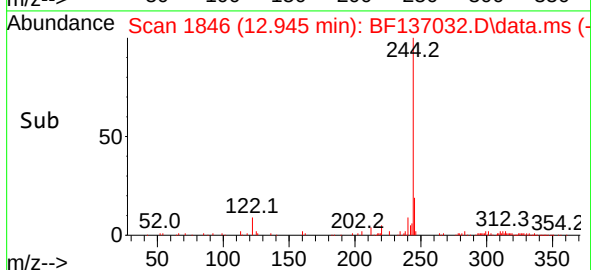
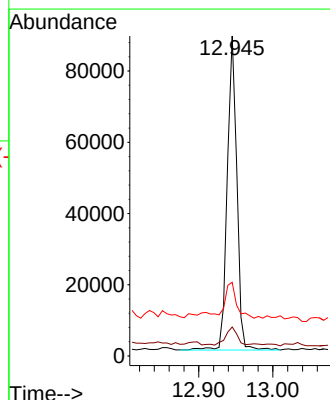
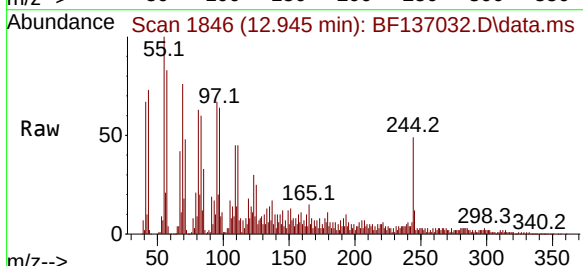
RT: 12.945 min Scan# 1846

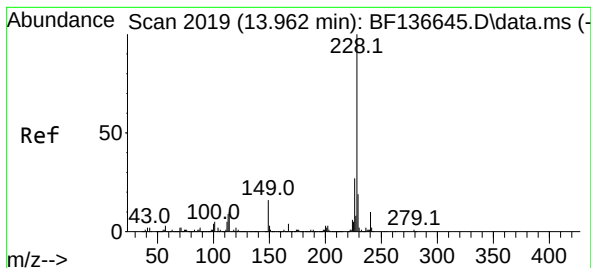
Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Tgt Ion:244 Resp: 79579
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.0 7.4#
 122 23.0 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 4.929 ng

RT: 13.986 min Scan# 2019

Delta R.T. 0.024 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

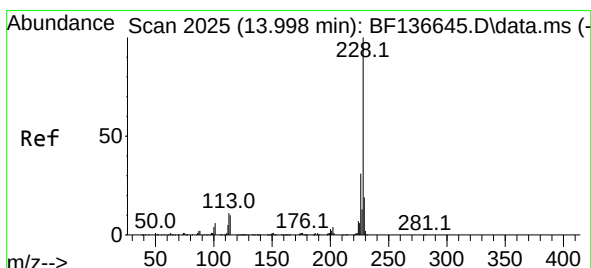
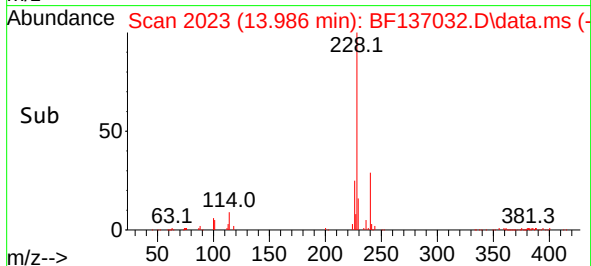
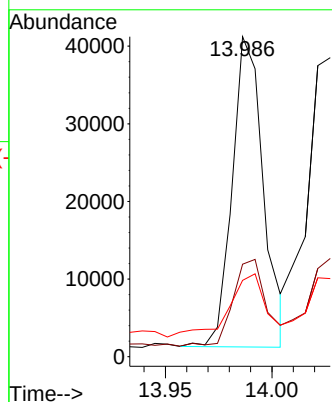
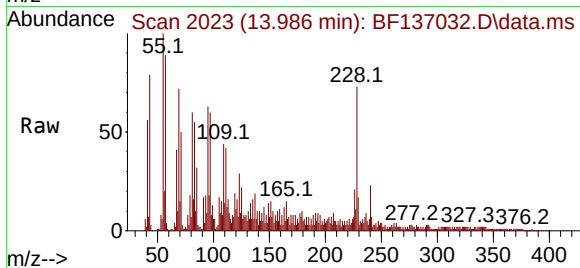
Tgt Ion:	228	Resp:	4072
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.4	32.0
229	23.8	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#83

Chrysene

Concen: 5.045 ng

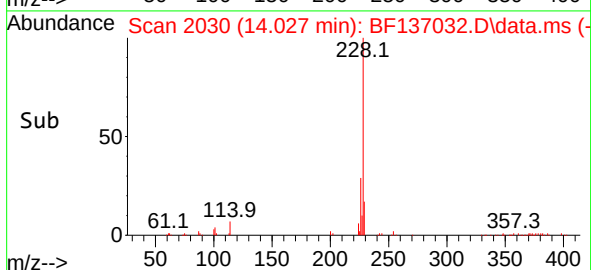
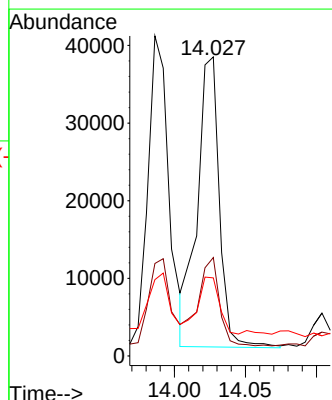
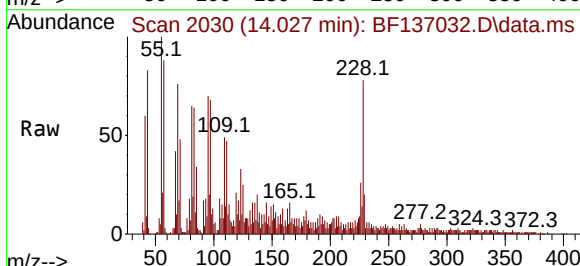
RT: 14.027 min Scan# 2030

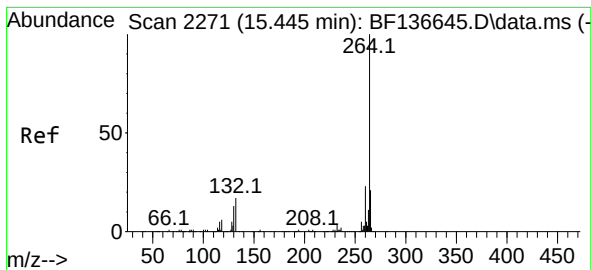
Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Tgt Ion:	228	Resp:	40760
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.7	37.1
229	26.1	15.4	23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

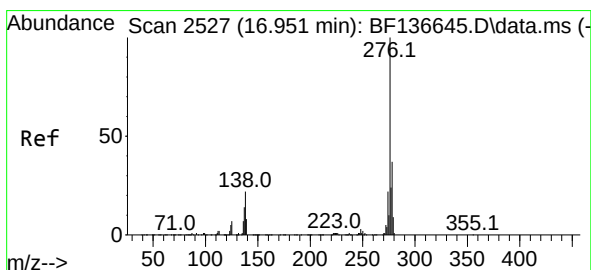
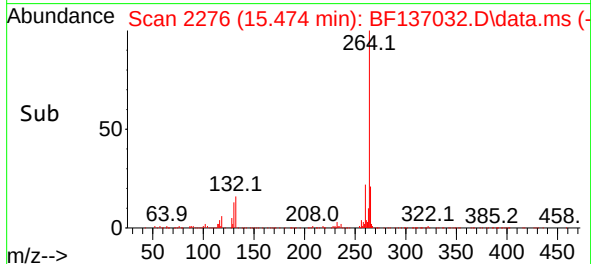
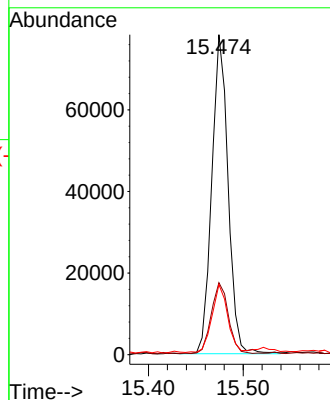
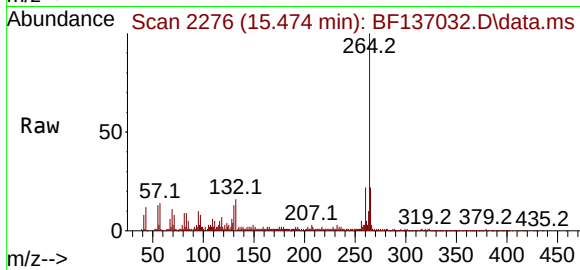
Tgt Ion:	264	Resp:	93018
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.3	27.5
265	21.9	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.499 ng

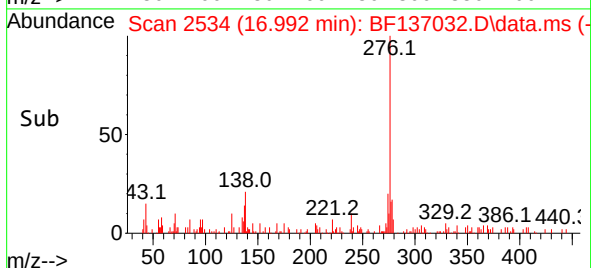
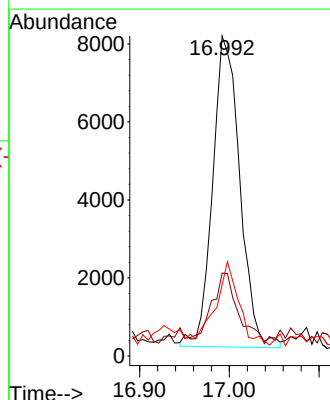
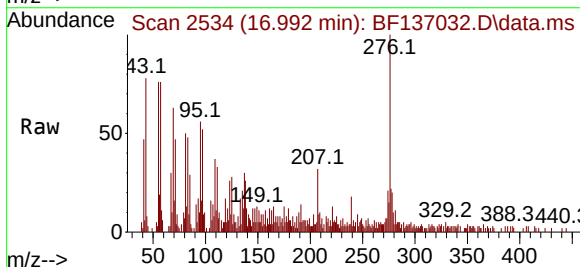
RT: 16.992 min Scan# 2534

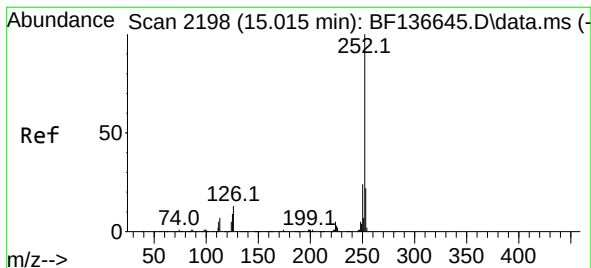
Delta R.T. 0.041 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Tgt Ion:	276	Resp:	16784
Ion Ratio	Lower	Upper	
276	100		
138	22.1	18.7	28.1
277	22.7	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 6.713 ng m

RT: 15.039 min Scan# 2198

Delta R.T. 0.024 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNF

ClientSampleId :

332

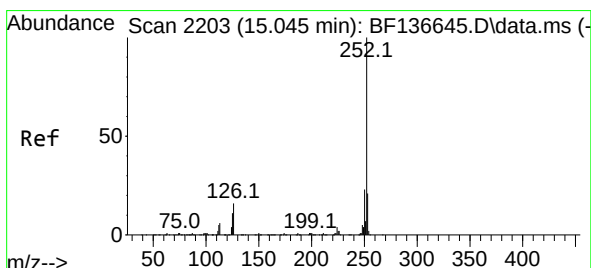
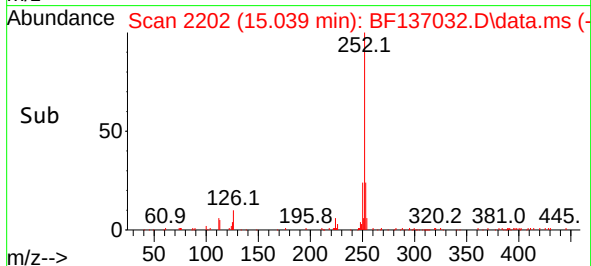
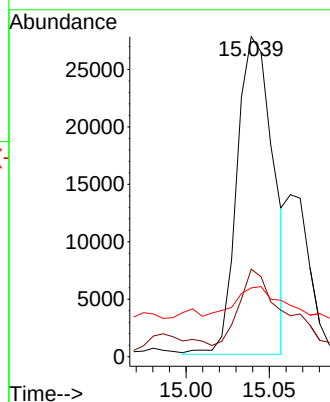
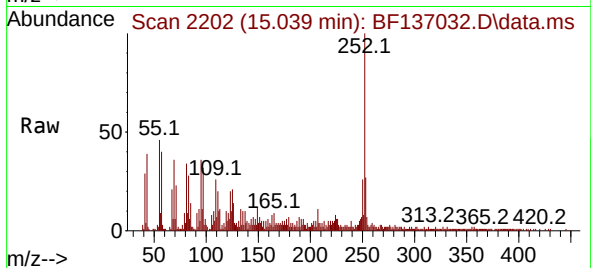
Tgt Ion:252 Resp: 41708
 Ion Ratio Lower Upper
 252 100
 253 27.3 17.4 26.0
 125 21.5 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#89

Benzo(k)fluoranthene

Concen: 2.246 ng m

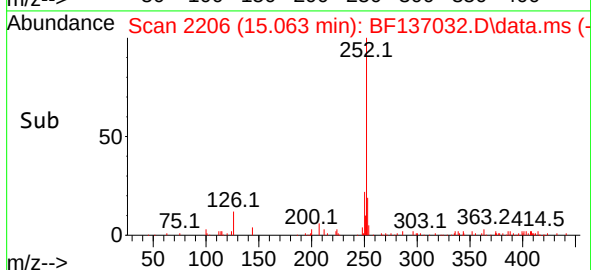
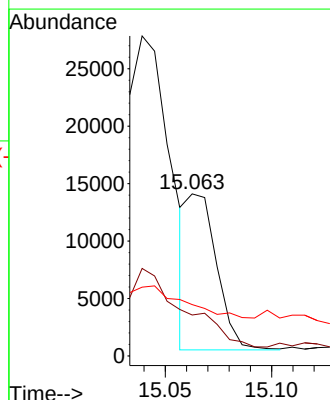
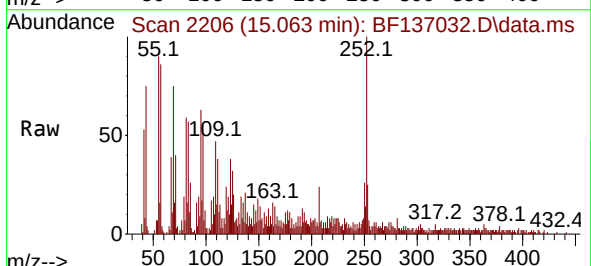
RT: 15.063 min Scan# 2206

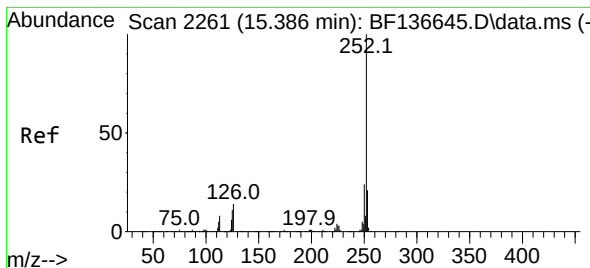
Delta R.T. 0.018 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Tgt Ion:252 Resp: 13188
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.0 25.6
 125 31.7 8.2 12.4





#90

Benzo(a)pyrene

Concen: 4.839 ng

RT: 15.416 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

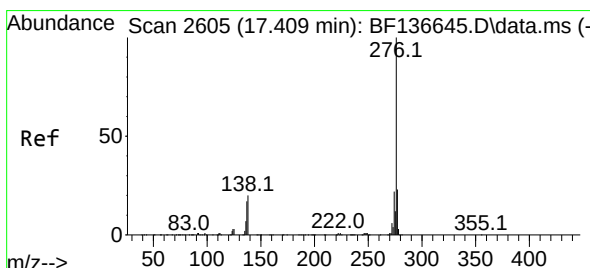
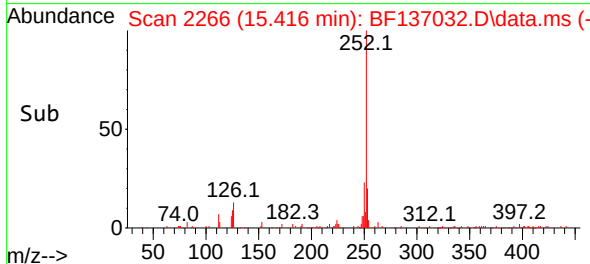
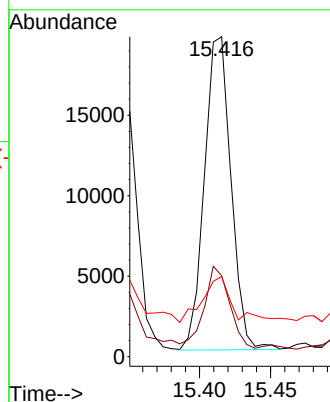
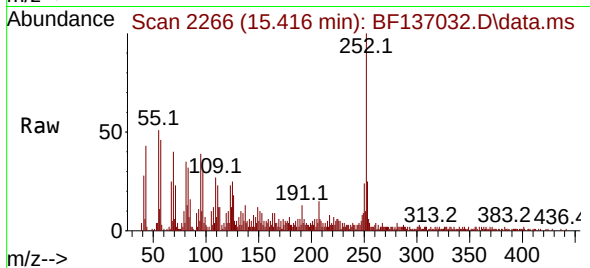
Tgt Ion:252 Resp: 2537
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.0 25.6
 125 25.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#92

Benzo(g,h,i)perylene

Concen: 2.683 ng

RT: 17.462 min Scan# 2614

Delta R.T. 0.053 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Tgt Ion:276 Resp: 15141
 Ion Ratio Lower Upper
 276 100
 277 26.9 18.3 27.5
 138 25.0 15.6 23.4

