

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137275.D
 Acq On : 05 Feb 2024 13:39
 Operator : CG\JU
 Sample : P1334-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-020124

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024

Quant Time: Feb 05 14:00:03 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	49887	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	179998	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	86778	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	159911	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	111038	20.000	ng	0.00
86) Perylene-d12	15.451	264	88972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	174210	57.622	ng	0.00
7) Phenol-d6	6.422	99	212924	49.350	ng	0.00
23) Nitrobenzene-d5	7.345	82	134754	33.518	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	47300	48.264	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	212061	33.593	ng	0.00
79) Terphenyl-d14	12.915	244	262994	32.199	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	93026	11.112	ng	99
72) Anthracene	11.392	178	20010	2.293	ng	97
75) Fluoranthene	12.533	202	178971	20.430	ng	99
78) Pyrene	12.763	202	157974	14.804	ng	99
81) Benzo(a)anthracene	13.957	228	55086	7.005	ng	94
83) Chrysene	13.992	228	47329m	6.122	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	20361	3.257	ng	91
88) Benzo(b)fluoranthene	15.015	252	46393m	8.479	ng	
89) Benzo(k)fluoranthene	15.039	252	16034m	2.770	ng	
90) Benzo(a)pyrene	15.380	252	34011	6.605	ng	# 95
92) Benzo(g,h,i)perylene	17.386	276	18610	3.786	ng	# 95

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

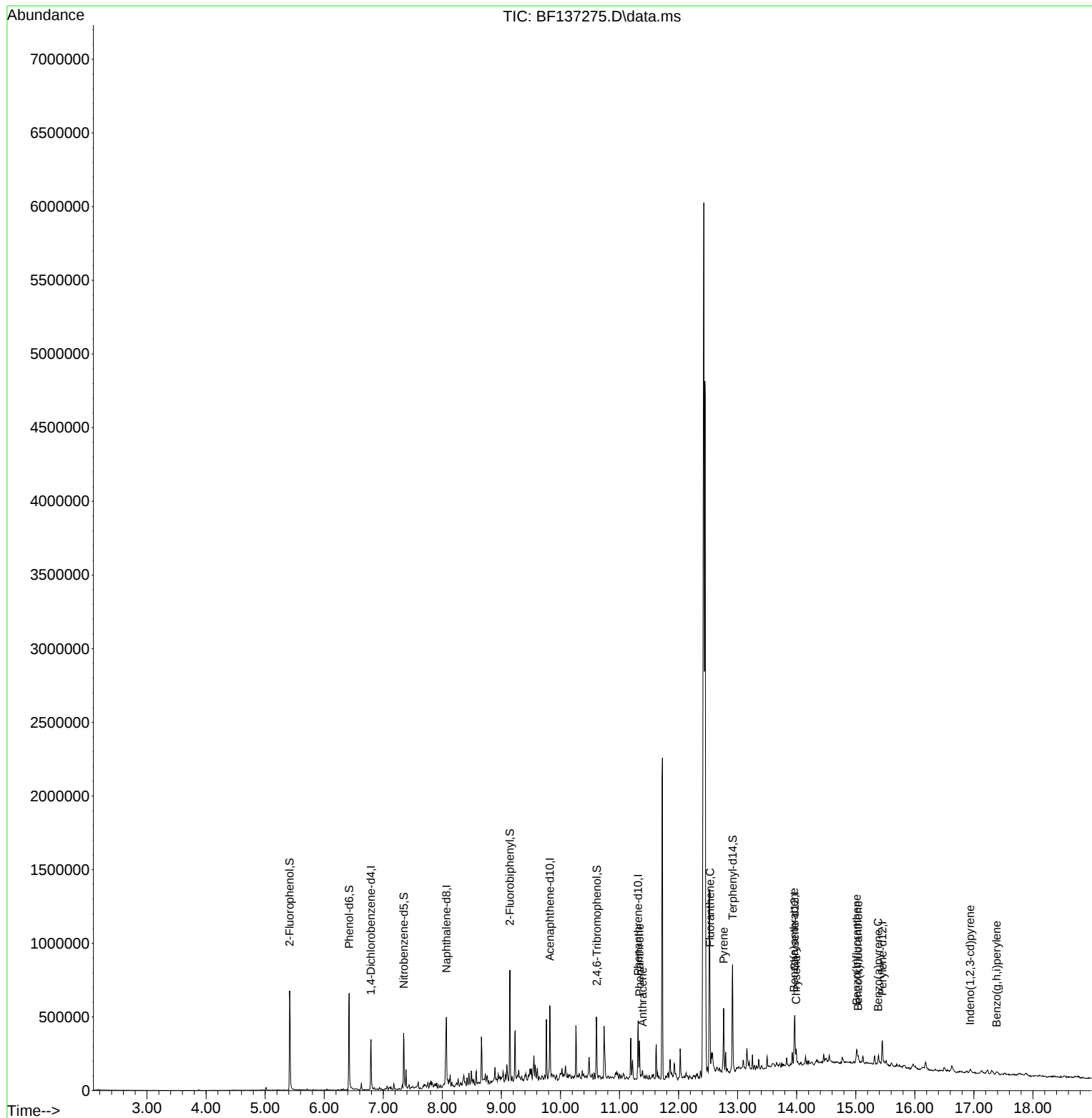
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
Data File : BF137275.D
Acq On : 05 Feb 2024 13:39
Operator : CG\JU
Sample : P1334-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

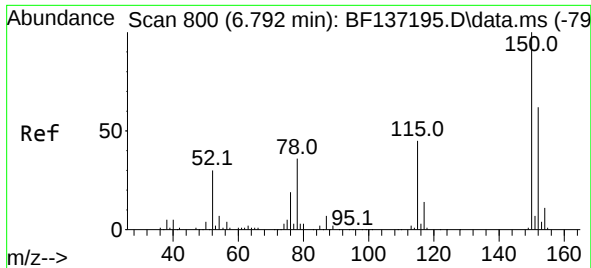
Instrument :
BNA_F
ClientSampleId :
HR-02-020124

Quant Time: Feb 05 14:00:03 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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024





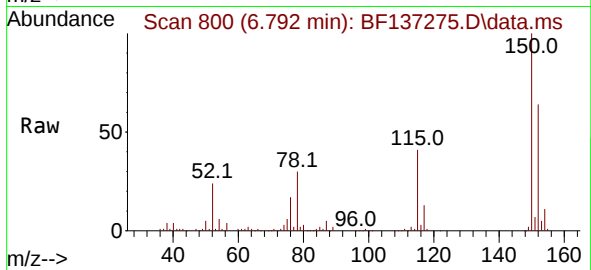
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

HR-02-020124

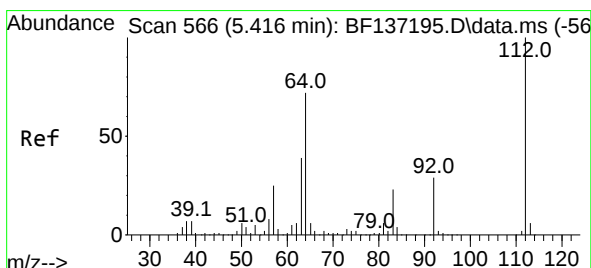
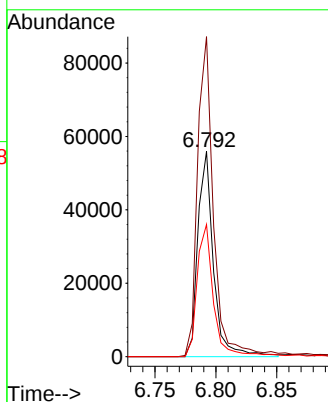
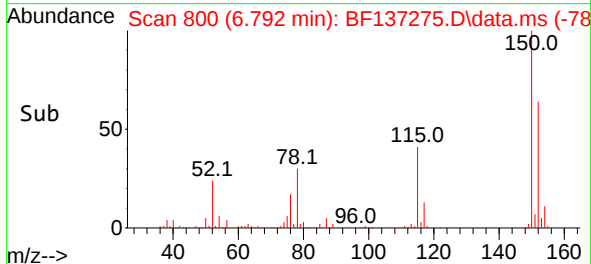


Tgt Ion:152 Resp: 4988
Ion Ratio Lower Upper
152 100
150 155.9 129.8 194.8
115 64.4 58.5 87.7

Manual Integrations

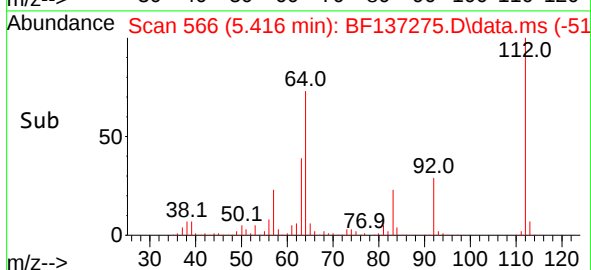
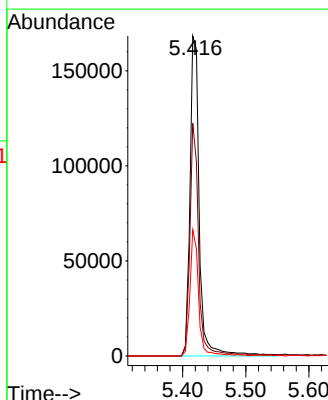
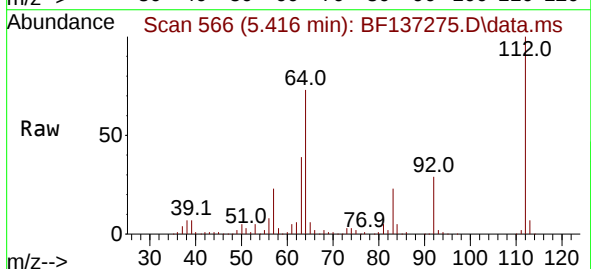
APPROVED

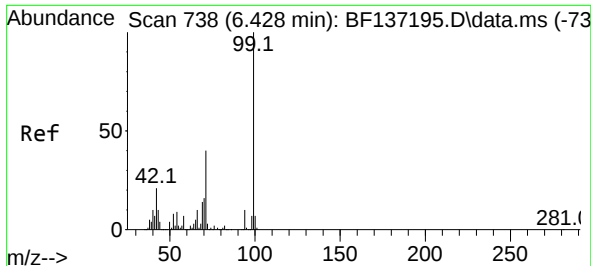
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#5
2-Fluorophenol
Concen: 57.622 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.000 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

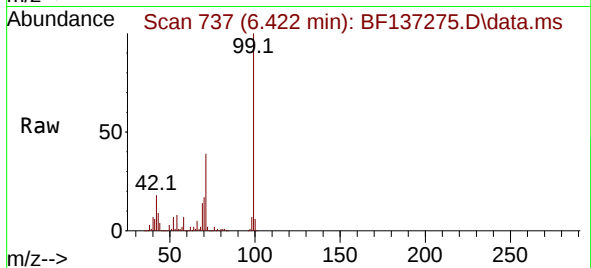
Tgt Ion:112 Resp: 174210
Ion Ratio Lower Upper
112 100
64 72.7 57.8 86.6
63 39.4 31.4 47.0





#7
Phenol-d6
Concen: 49.350 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

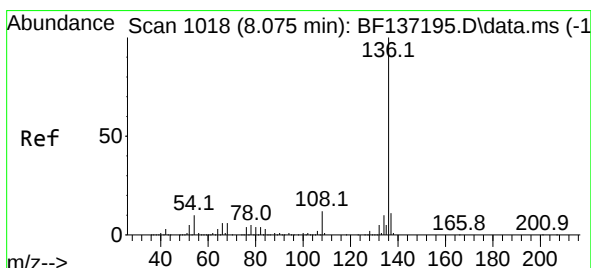
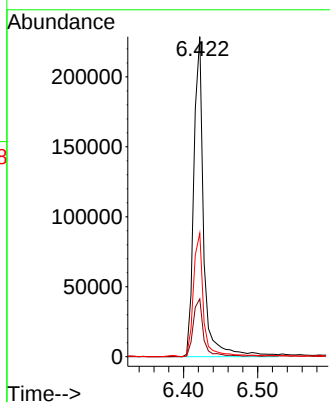
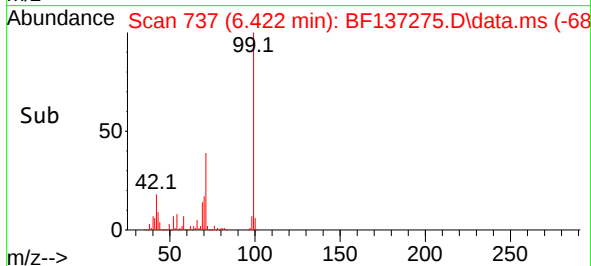
Instrument :
BNA_F
ClientSampleId :
HR-02-020124



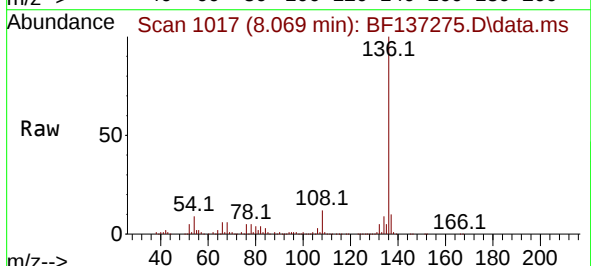
Tgt Ion: 99 Resp: 212924
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 38.6 32.4 48.6

Manual Integrations
APPROVED

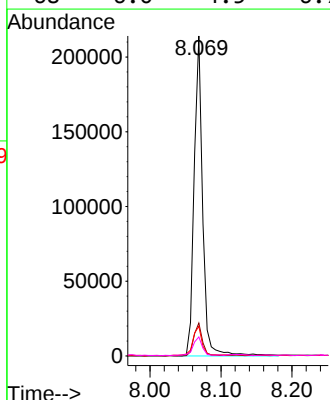
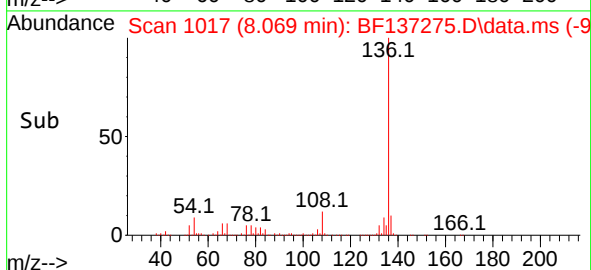
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

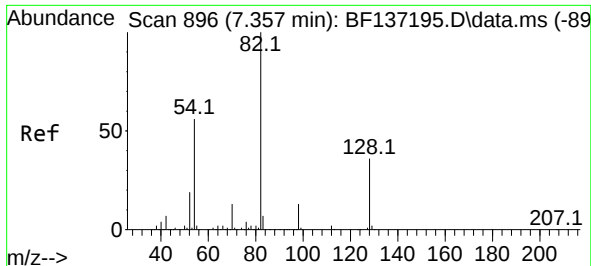


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39



Tgt Ion:136 Resp: 179998
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.3 7.8 11.8
68 6.0 4.5 6.7





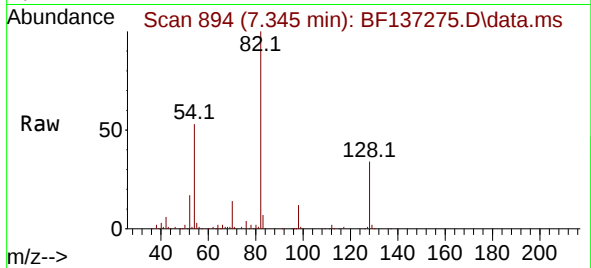
#23
Nitrobenzene-d5
Concen: 33.518 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

HR-02-020124

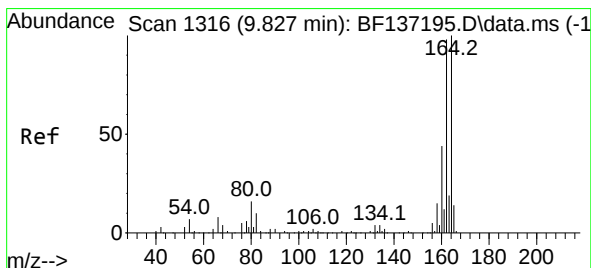
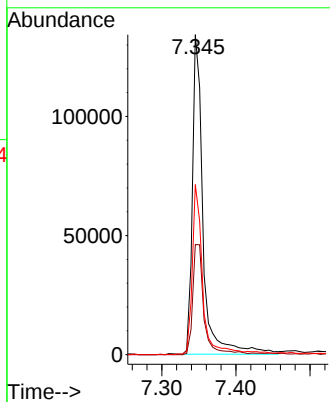
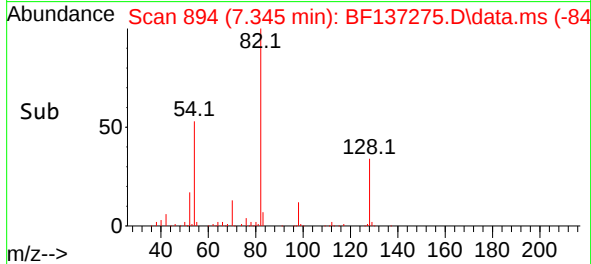


Tgt Ion: 82 Resp: 134754
Ion Ratio Lower Upper
82 100
128 34.4 29.1 43.7
54 53.2 45.0 67.6

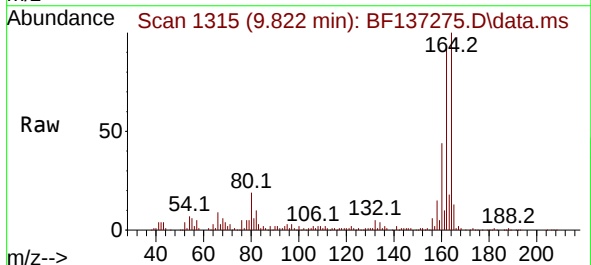
Manual Integrations

APPROVED

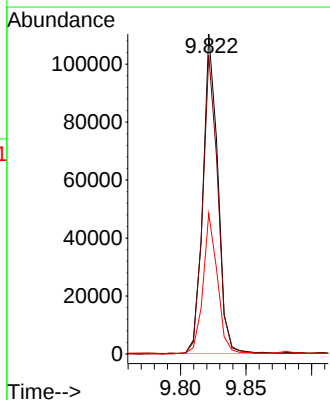
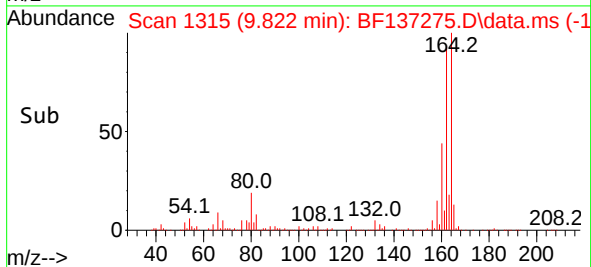
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

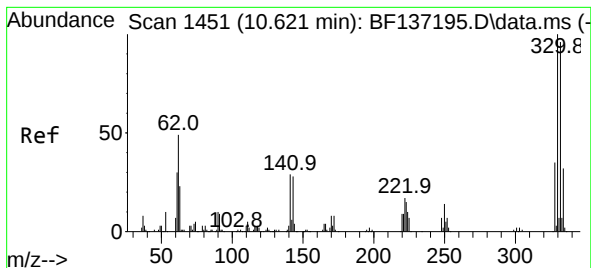


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39



Tgt Ion:164 Resp: 86778
Ion Ratio Lower Upper
164 100
162 93.3 78.3 117.5
160 43.9 35.4 53.2





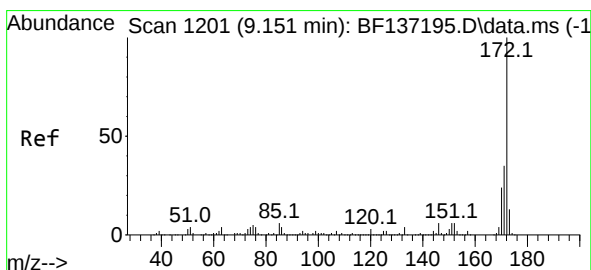
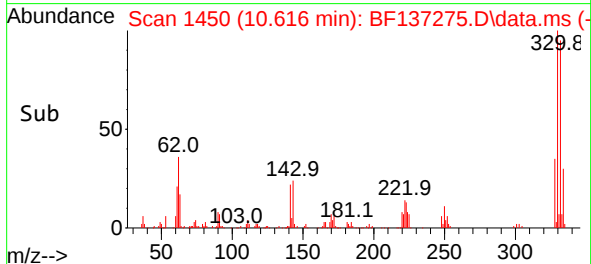
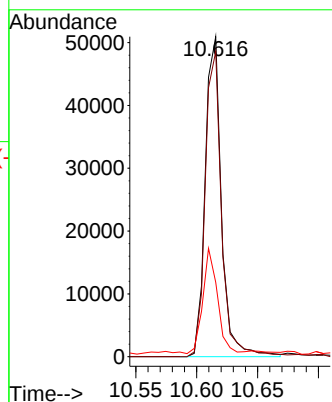
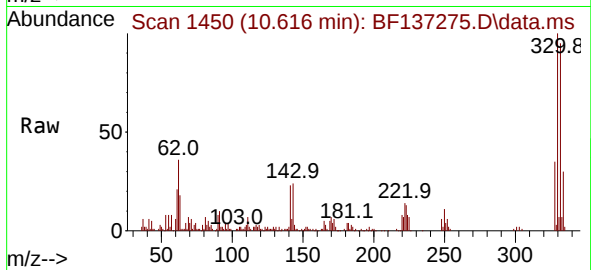
#42
2,4,6-Tribromophenol
Concen: 48.264 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument : BNA_F
ClientSampleId : HR-02-020124

Tgt Ion: 330 Resp: 47300
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 29.8 25.2 37.8

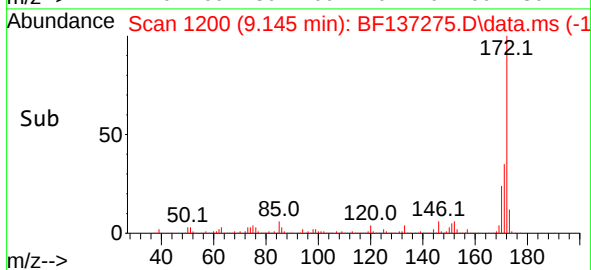
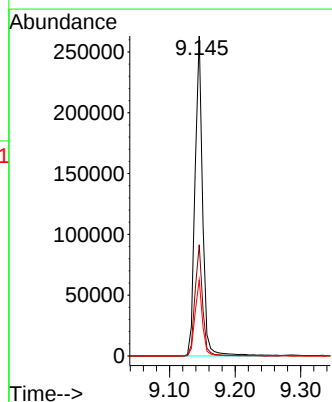
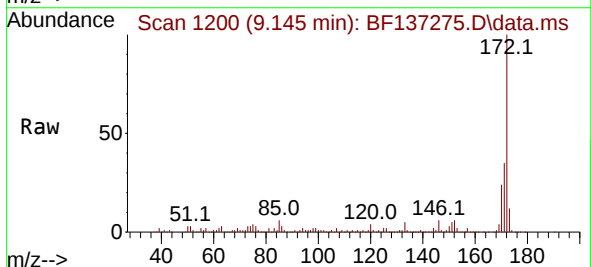
Manual Integrations
APPROVED

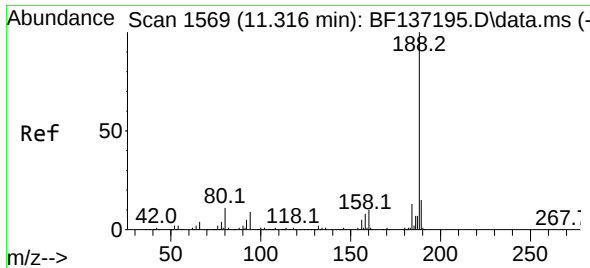
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#45
2-Fluorobiphenyl
Concen: 33.593 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion: 172 Resp: 212061
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.7 19.1 28.7





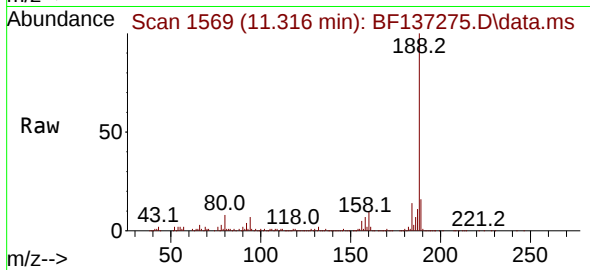
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

HR-02-020124

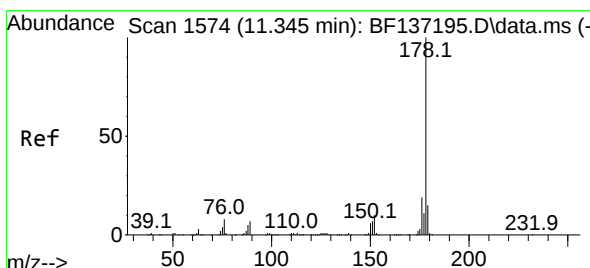
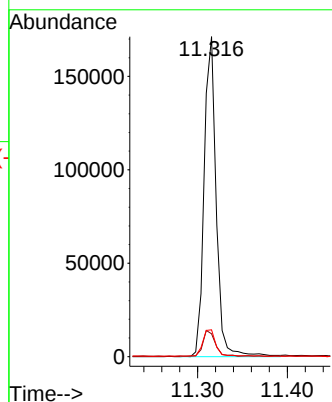
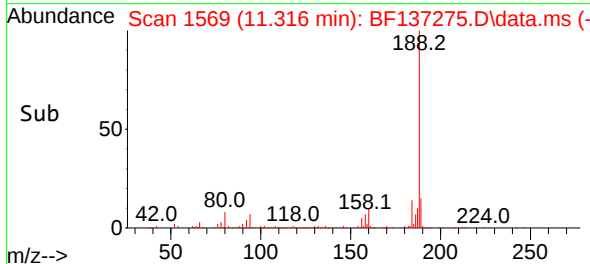


Tgt Ion:188 Resp: 15991
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.4
80 8.4 8.8 13.2

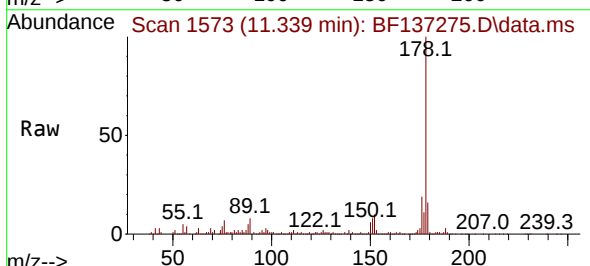
Manual Integrations

APPROVED

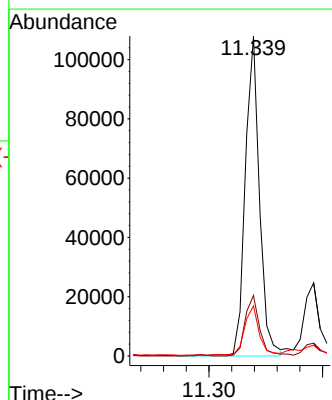
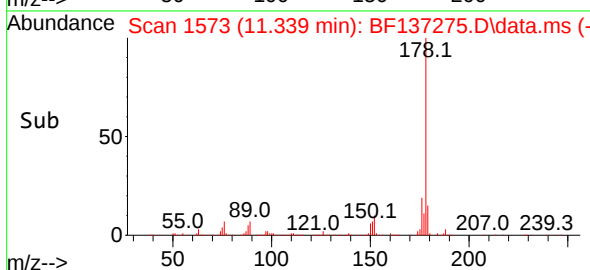
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

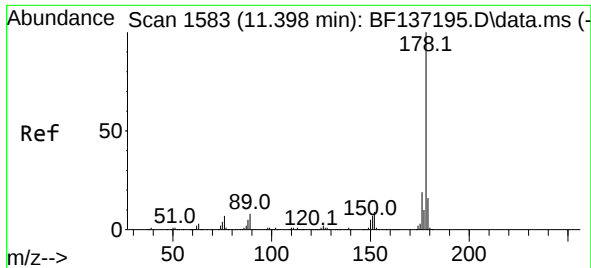


#71
Phenanthrene
Concen: 11.112 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39



Tgt Ion:178 Resp: 93026
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.7 12.1 18.1





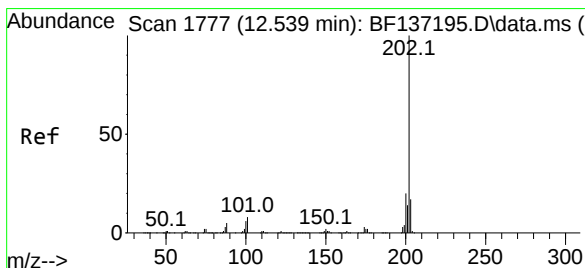
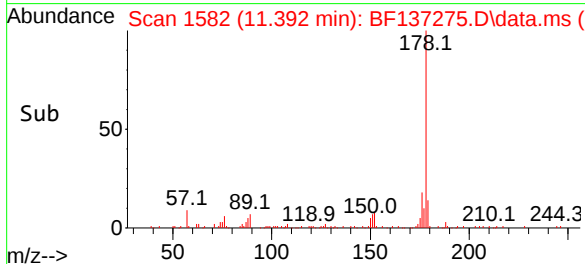
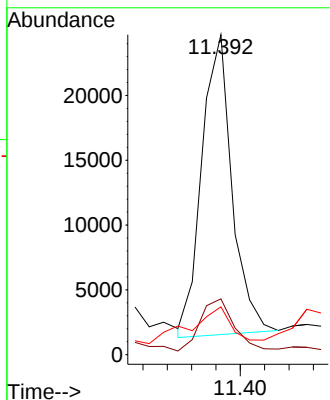
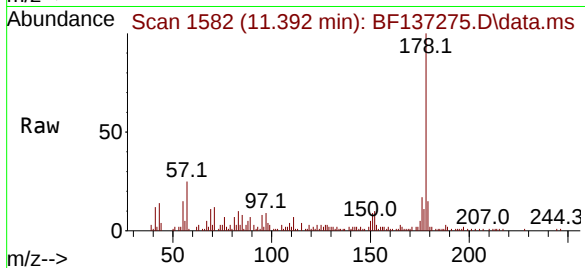
#72
 Anthracene
 Concen: 2.293 ng
 RT: 11.392 min Scan# 11392
 Delta R.T. -0.006 min
 Lab File: BF137275.D
 Acq: 05 Feb 2024 13:39

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-020124

Tgt Ion:178 Resp: 20010
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.3 22.9
 179 15.0 12.7 19.1

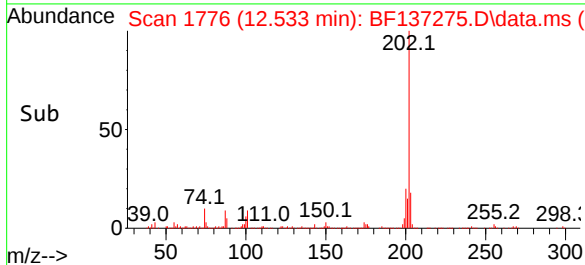
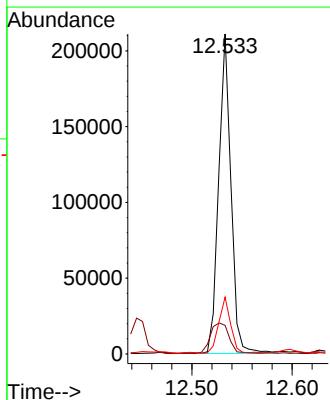
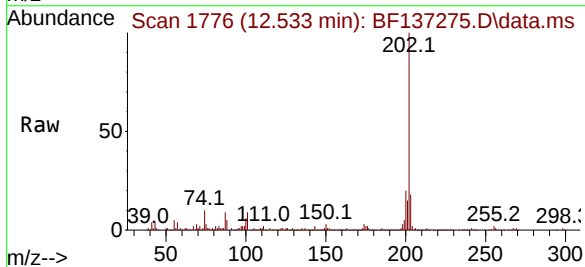
Manual Integrations
 APPROVED

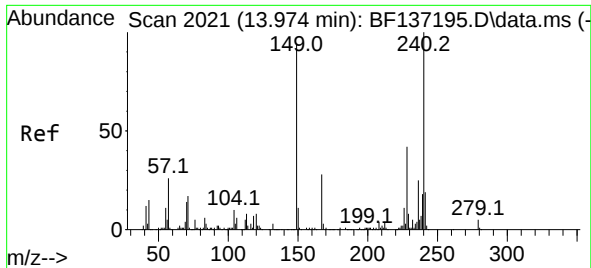
Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024



#75
 Fluoranthene
 Concen: 20.430 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137275.D
 Acq: 05 Feb 2024 13:39

Tgt Ion:202 Resp: 178971
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 28.4
 203 17.8 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

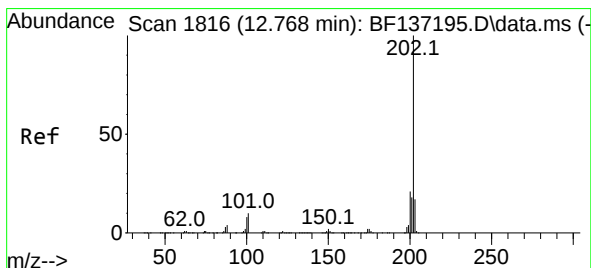
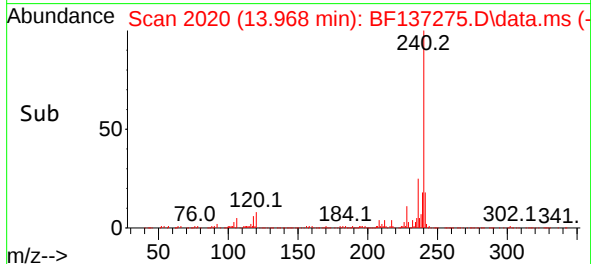
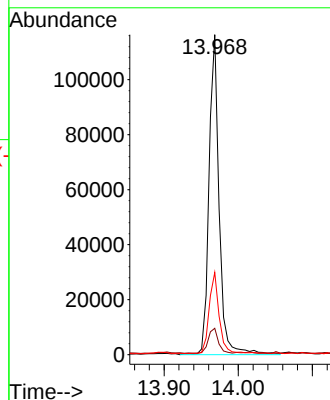
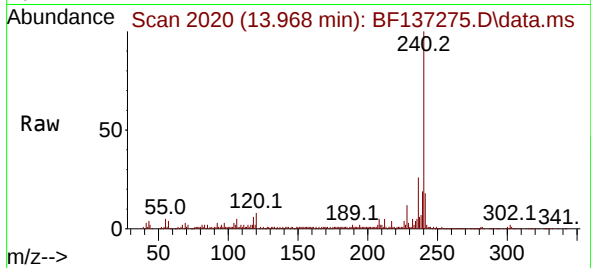
HR-02-020124

Tgt Ion:240 Resp: 111038
Ion Ratio Lower Upper
240 100
120 8.2 6.3 9.5
236 25.7 20.3 30.5

Manual Integrations

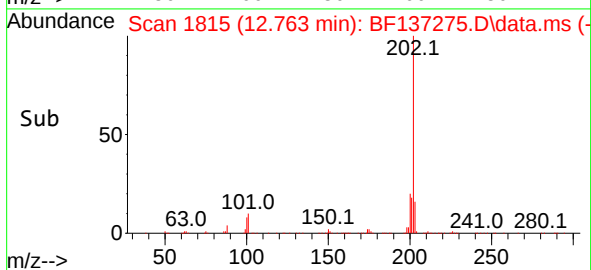
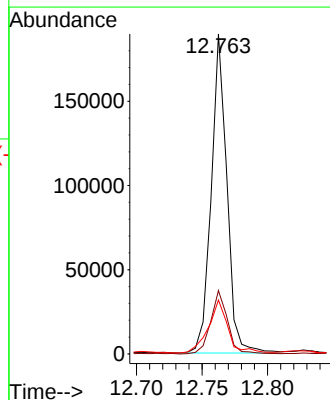
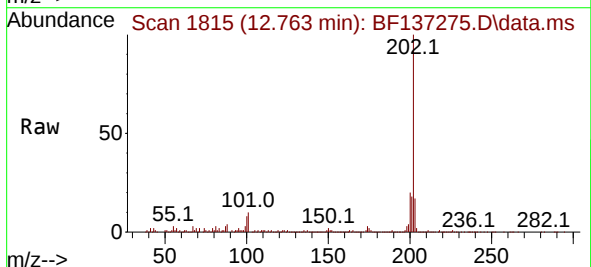
APPROVED

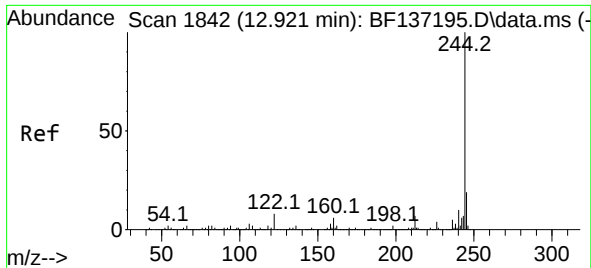
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#78
Pyrene
Concen: 14.804 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion:202 Resp: 157974
Ion Ratio Lower Upper
202 100
200 19.8 16.5 24.7
203 16.9 13.8 20.6





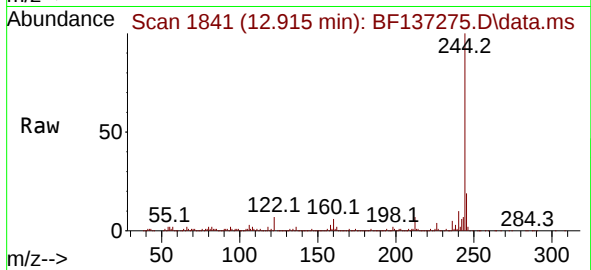
#79
Terphenyl-d14
Concen: 32.199 ng
RT: 12.915 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

HR-02-020124

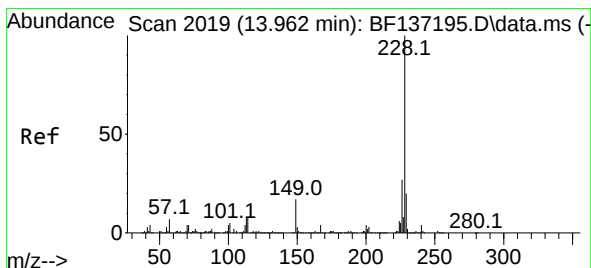
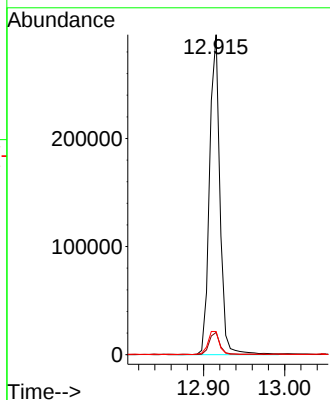
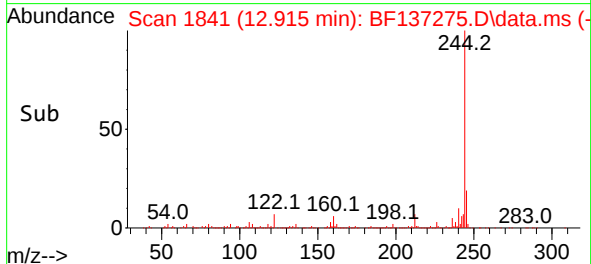


Tgt Ion:244 Resp: 262994
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 7.3 6.2 9.4

Manual Integrations

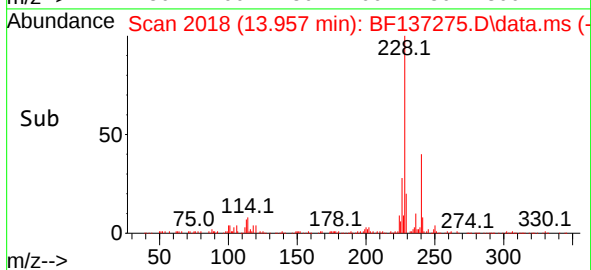
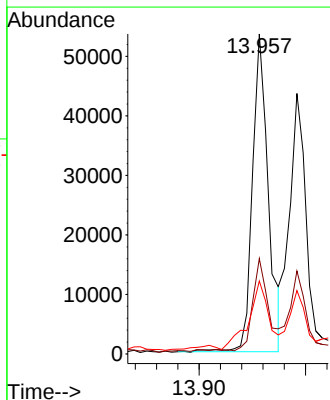
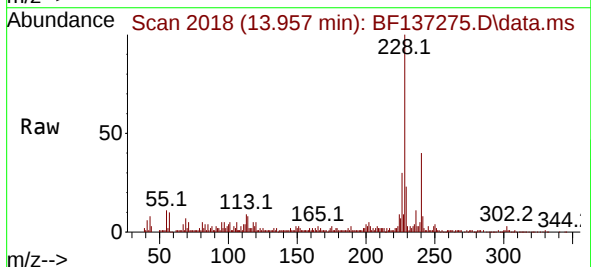
APPROVED

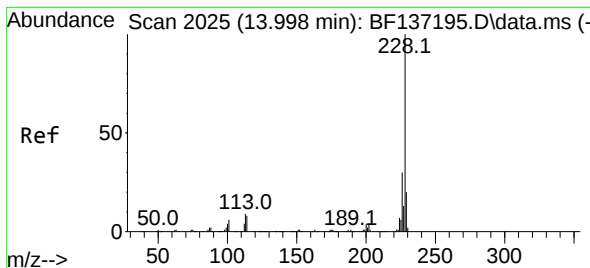
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#81
Benzo(a)anthracene
Concen: 7.005 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion:228 Resp: 55086
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 22.8 15.8 23.6





#83

Chrysene

Concen: 6.122 ng m

RT: 13.992 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

HR-02-020124

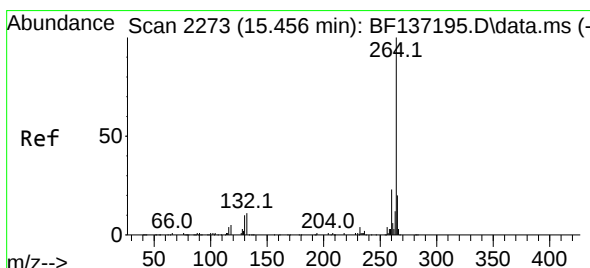
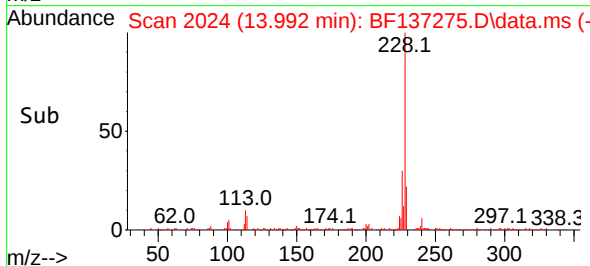
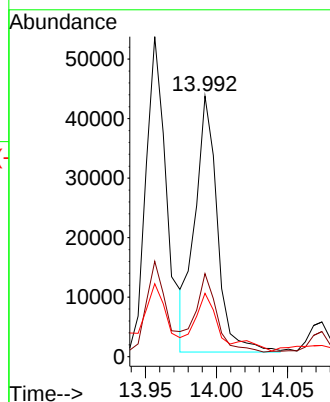
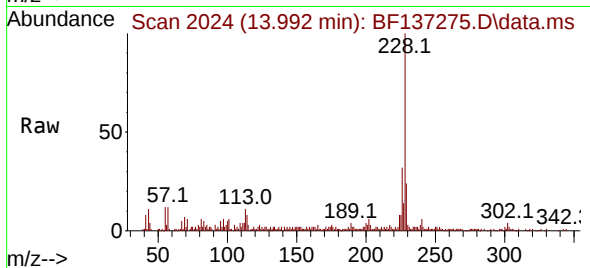
Tgt Ion:228 Resp: 47329

Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.7	35.5
229	24.3	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

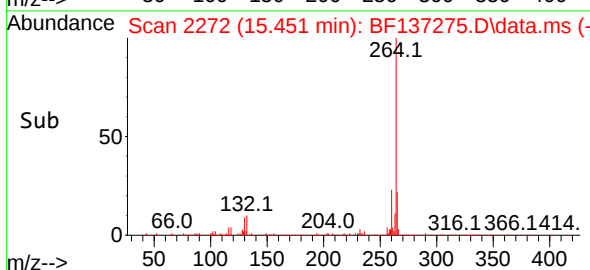
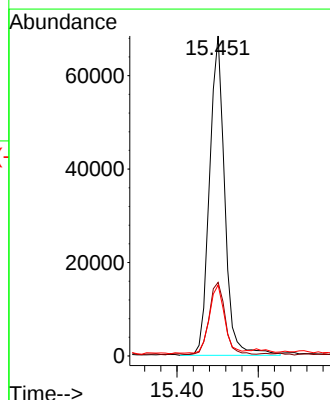
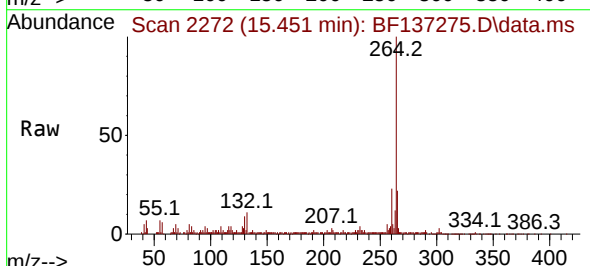
Delta R.T. -0.006 min

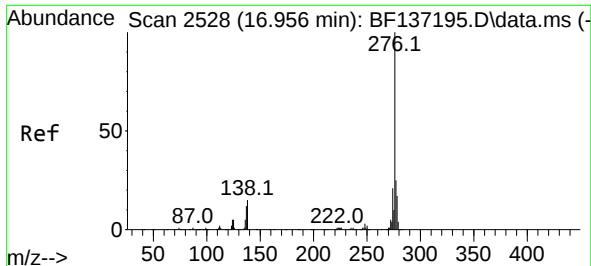
Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Tgt Ion:264 Resp: 88972

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	22.2	16.2	24.2





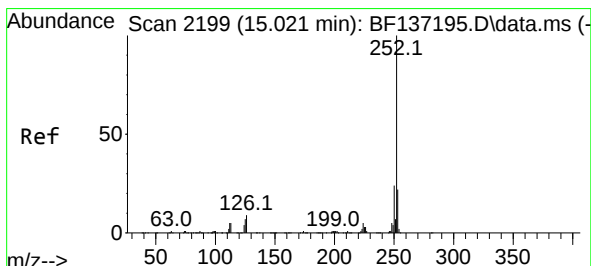
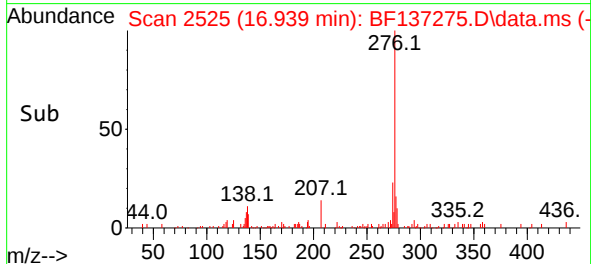
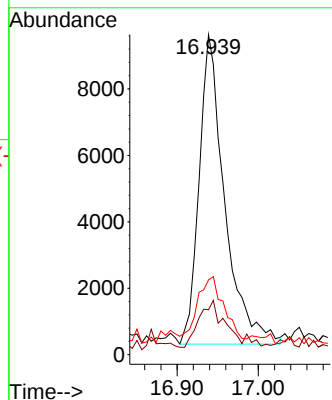
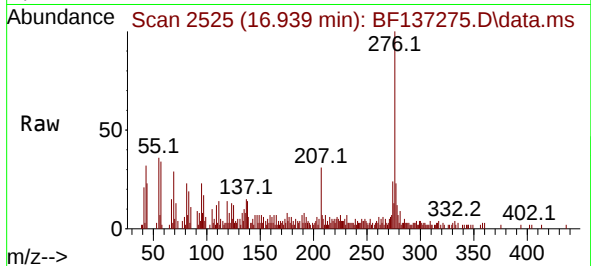
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.257 ng
RT: 16.939 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :
BNA_F
ClientSampleId :
HR-02-020124

Tgt Ion:276 Resp: 2036
Ion Ratio Lower Upper
276 100
138 14.9 14.6 21.8
277 20.4 20.2 30.2

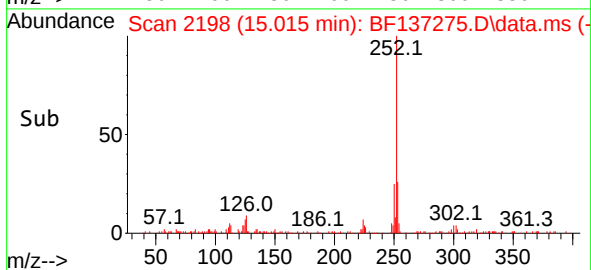
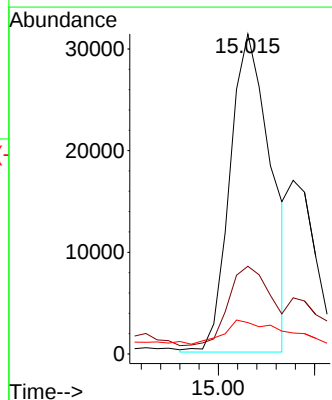
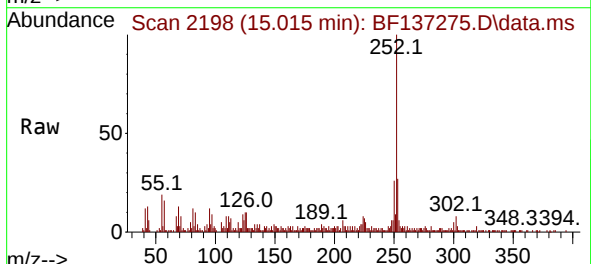
Manual Integrations
APPROVED

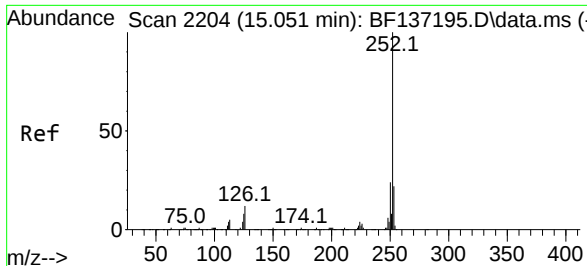
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#88
Benzo(b)fluoranthene
Concen: 8.479 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion:252 Resp: 46393
Ion Ratio Lower Upper
252 100
253 27.4 17.9 26.9#
125 9.8 5.4 8.2#





#89

Benzo(k)fluoranthene

Concen: 2.770 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

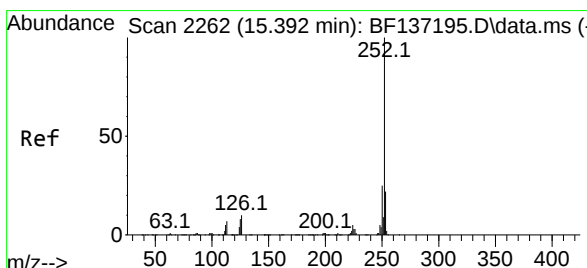
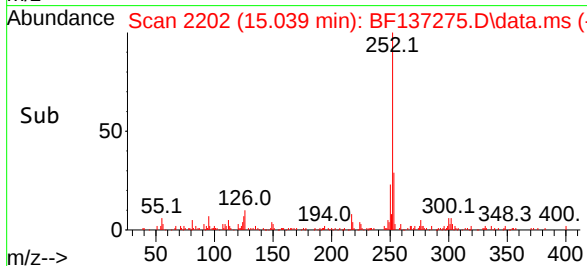
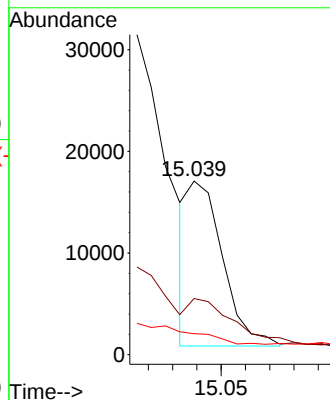
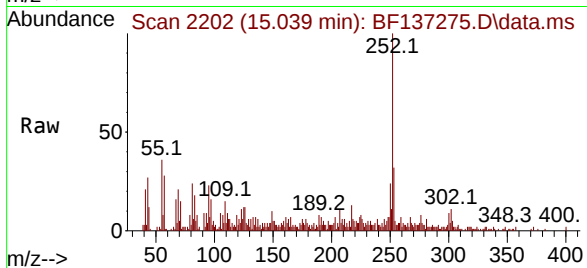
HR-02-020124

Tgt Ion:252 Resp: 16034
 Ion Ratio Lower Upper
 252 100
 253 32.3 17.0 25.6
 125 12.0 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024



#90

Benzo(a)pyrene

Concen: 6.605 ng

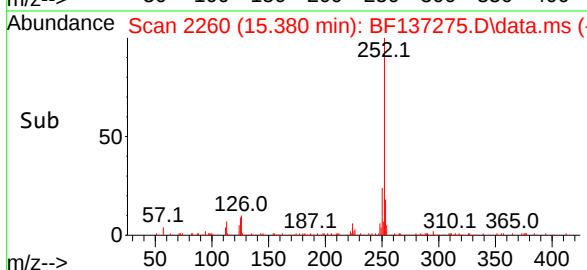
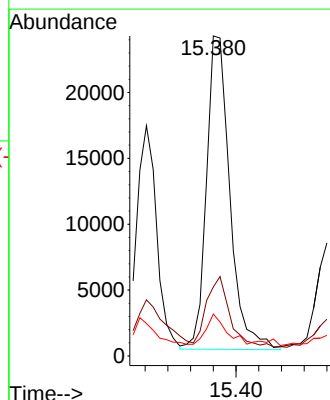
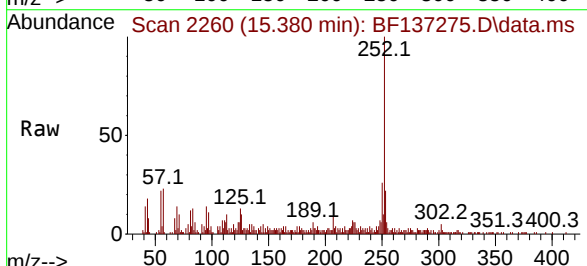
RT: 15.380 min Scan# 2260

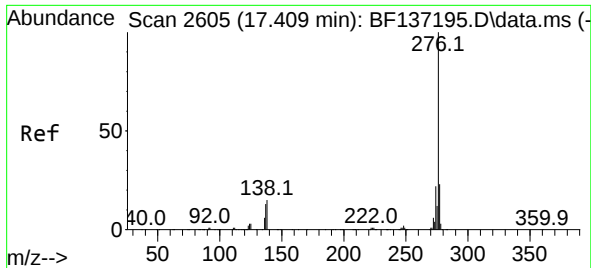
Delta R.T. -0.012 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Tgt Ion:252 Resp: 34011
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 13.1 6.5 9.7





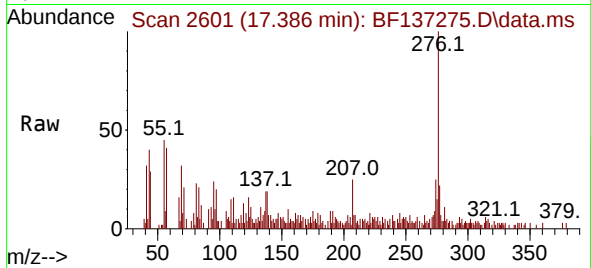
#92
 Benzo(g,h,i)perylene
 Concen: 3.786 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF137275.D
 Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

HR-02-020124



Tgt Ion:276 Resp: 18610
 Ion Ratio Lower Upper
 276 100
 277 22.3 18.4 27.6
 138 19.5 11.8 17.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024

