

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137262.D
 Acq On : 02 Feb 2024 18:47
 Operator : CG\JU
 Sample : P1340-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024

Quant Time: Feb 02 22:43:56 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	53374	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	204708	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	112947	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	178491	20.000	ng	0.00
76) Chrysene-d12	13.963	240	144960	20.000	ng	-0.01
86) Perylene-d12	15.439	264	116264	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	418996	129.534	ng	0.01
7) Phenol-d6	6.422	99	545994	118.279	ng	0.00
23) Nitrobenzene-d5	7.351	82	359339	78.591	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	137752	107.992	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	645946	78.618	ng	0.00
79) Terphenyl-d14	12.910	244	616523	57.818	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	95788	10.251	ng	99
72) Anthracene	11.392	178	26948	2.767	ng	99
75) Fluoranthene	12.527	202	139403	14.257	ng	99
78) Pyrene	12.757	202	121534	8.724	ng	99
81) Benzo(a)anthracene	13.951	228	72977	7.108	ng	98
83) Chrysene	13.992	228	70580	6.993	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	8506	2.052	ng	100
87) Indeno(1,2,3-cd)pyrene	16.927	276	18152	2.222	ng	96
88) Benzo(b)fluoranthene	15.010	252	65595m	9.174	ng	
89) Benzo(k)fluoranthene	15.033	252	24998m	3.305	ng	
90) Benzo(a)pyrene	15.374	252	41489	6.166	ng	99
92) Benzo(g,h,i)perylene	17.374	276	17027	2.651	ng	# 91

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

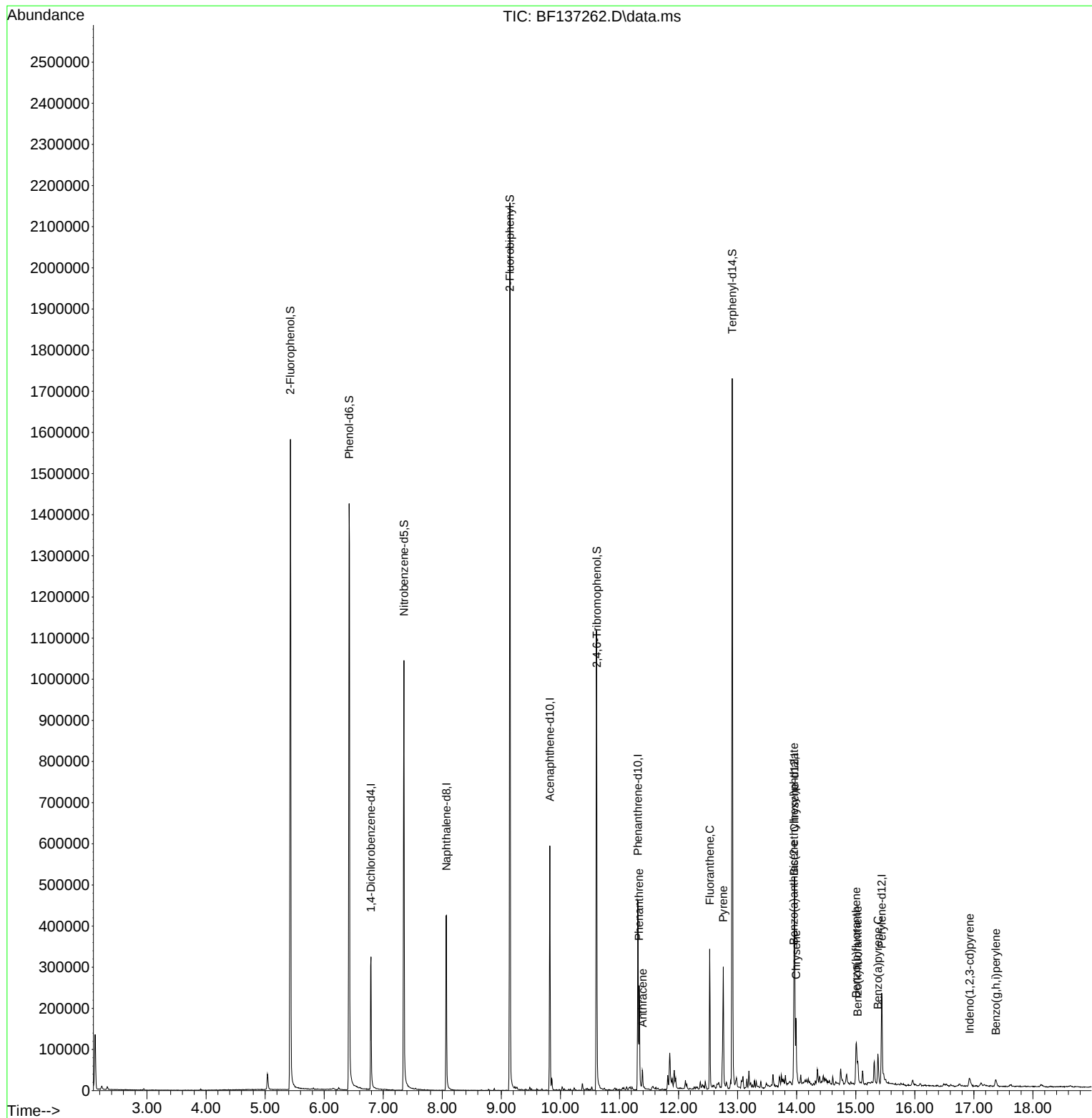
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
Data File : BF137262.D
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Operator : CG\JU
Sample : P1340-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

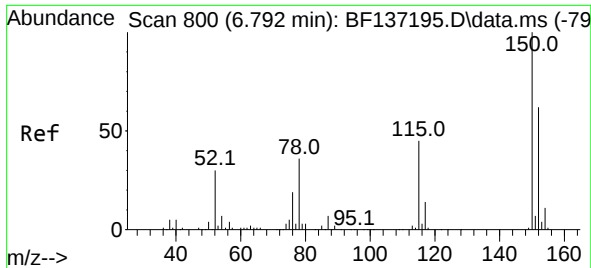
Instrument :
BNA_F
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Quant Time: Feb 02 22:43:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
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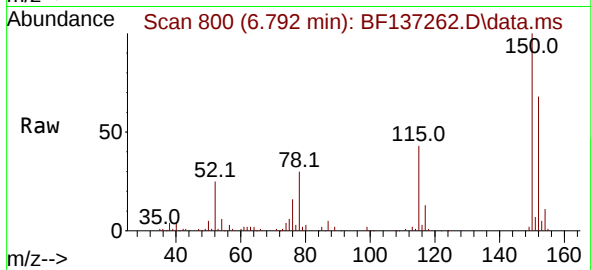
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

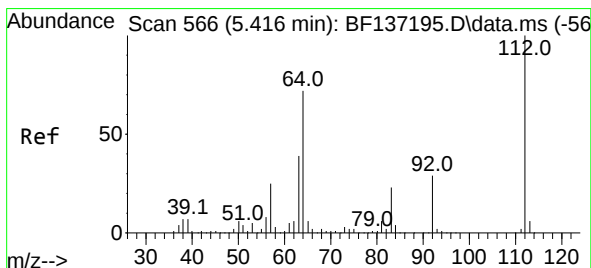
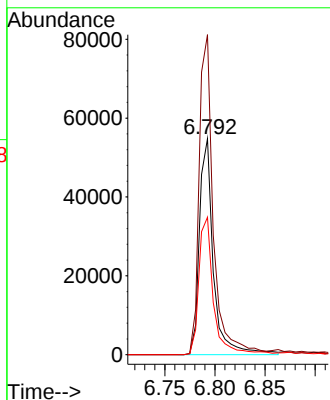
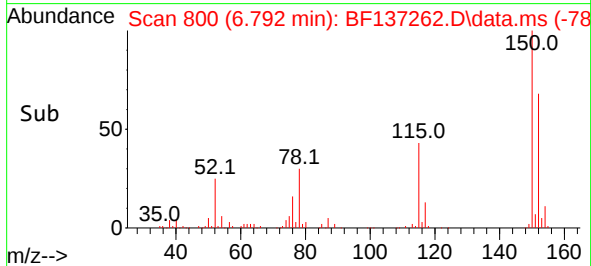
Instrument :
BNA_F
ClientSampleId :
COMP-2



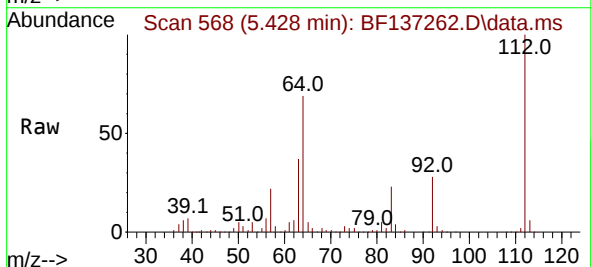
Tgt Ion:152 Resp: 53374
Ion Ratio Lower Upper
152 100
150 148.1 129.8 194.8
115 63.6 58.5 87.7

Manual Integrations
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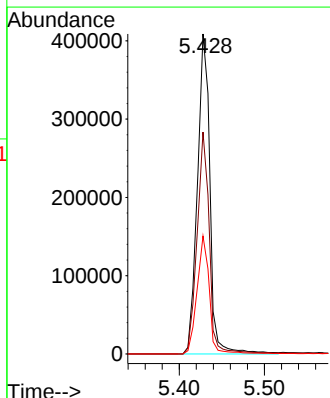
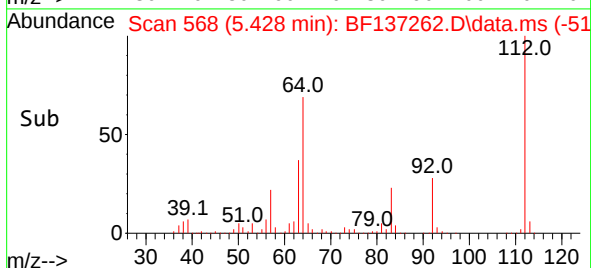
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#5
2-Fluorophenol
Concen: 129.534 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.012 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47



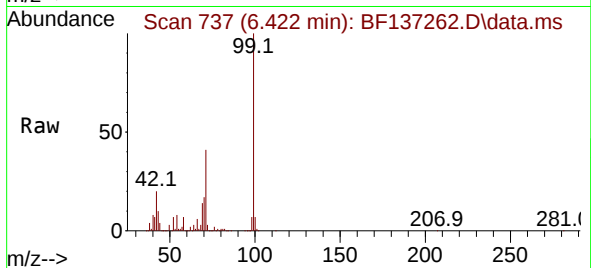
Tgt Ion:112 Resp: 418996
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.6
63 36.9 31.4 47.0





#7
Phenol-d6
Concen: 118.279 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

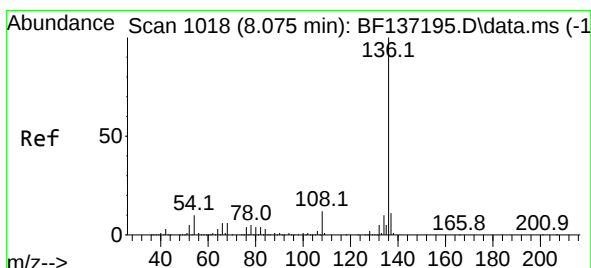
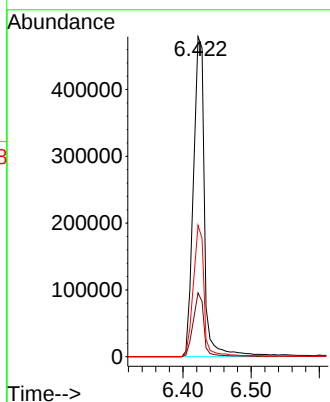
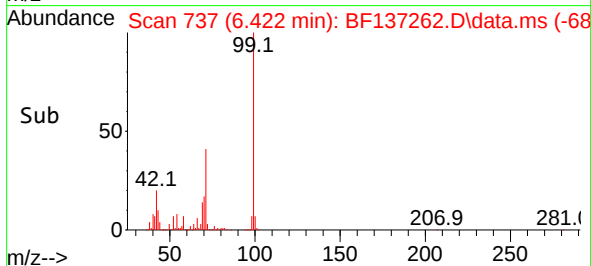
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion: 99 Resp: 545994
Ion Ratio Lower Upper
99 100
42 19.9 16.4 24.6
71 41.1 32.4 48.6

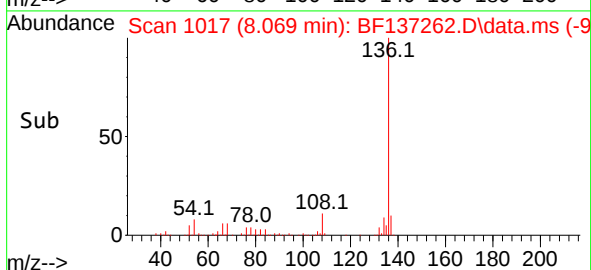
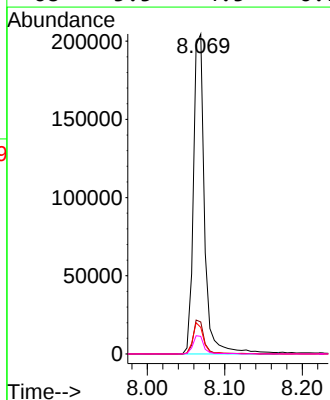
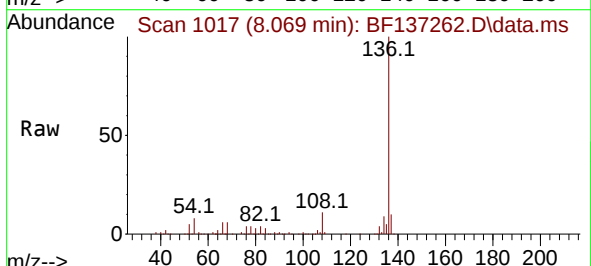
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

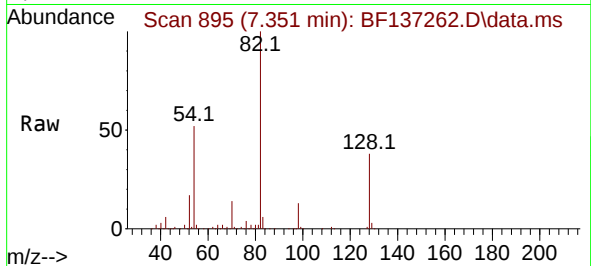
Tgt Ion:136 Resp: 204708
Ion Ratio Lower Upper
136 100
137 10.0 8.9 13.3
54 8.3 7.8 11.8
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 78.591 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

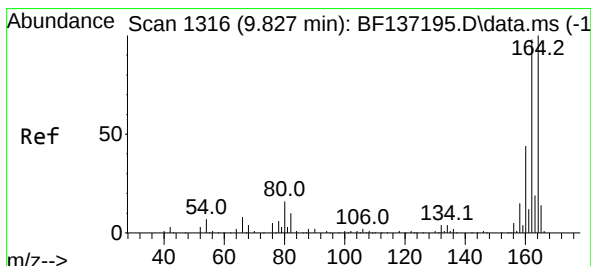
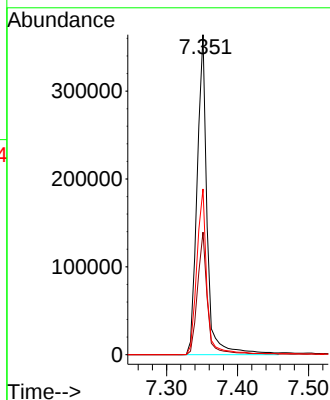
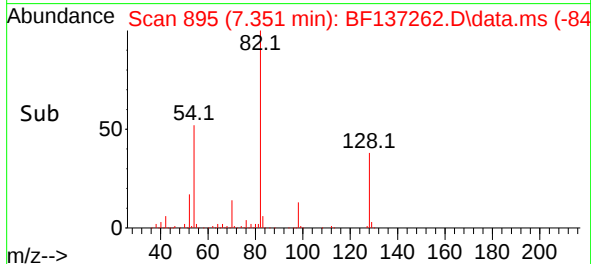
Instrument :
BNA_F
ClientSampleId :
COMP-2



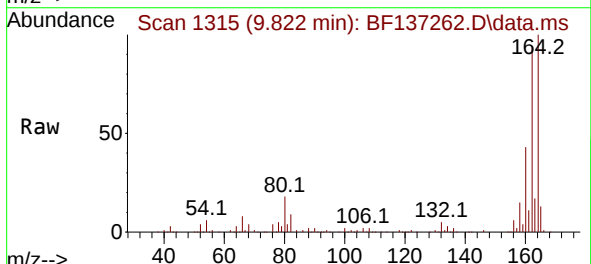
Tgt Ion: 82 Resp: 359339
Ion Ratio Lower Upper
82 100
128 38.3 29.1 43.7
54 51.8 45.0 67.6

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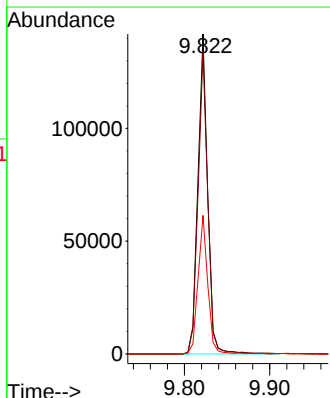
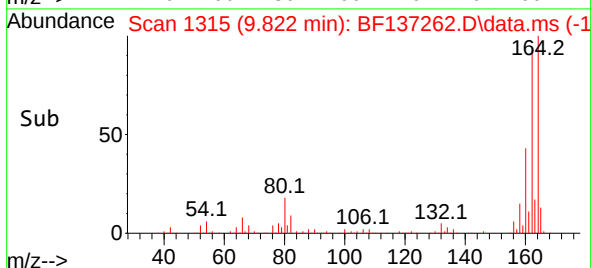
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

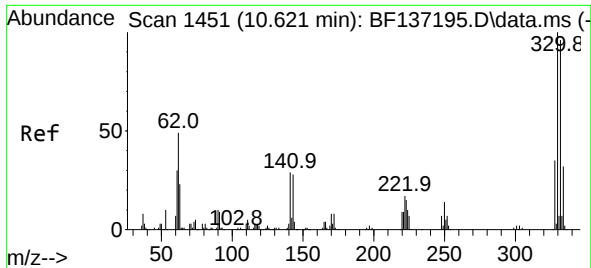


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47



Tgt Ion:164 Resp: 112947
Ion Ratio Lower Upper
164 100
162 94.4 78.3 117.5
160 43.3 35.4 53.2





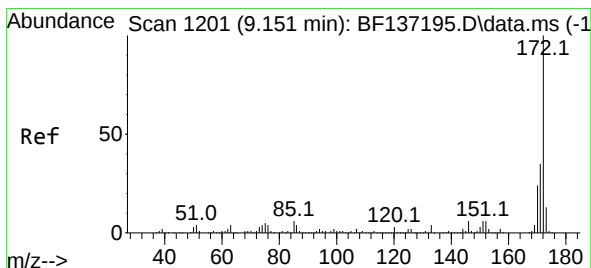
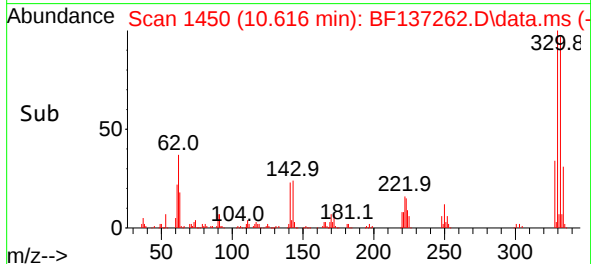
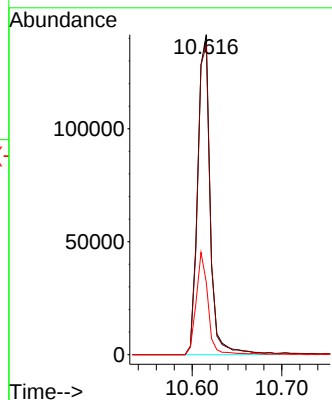
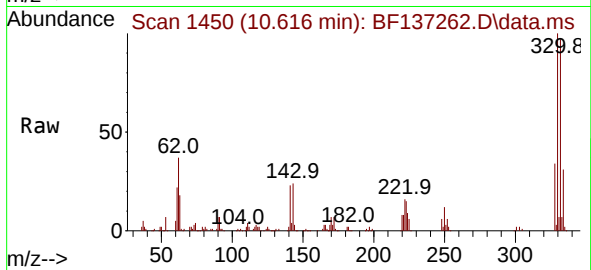
#42
2,4,6-Tribromophenol
Concen: 107.992 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:330 Resp: 137752
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 29.8 25.2 37.8

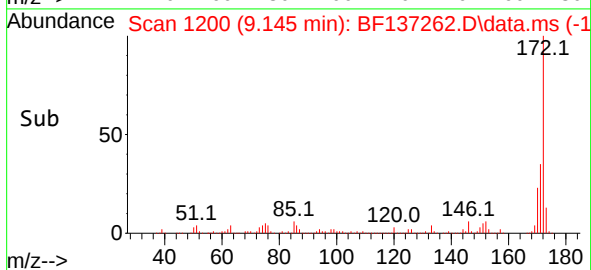
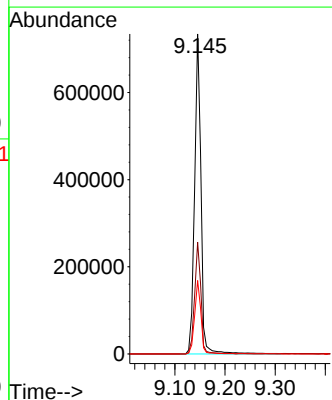
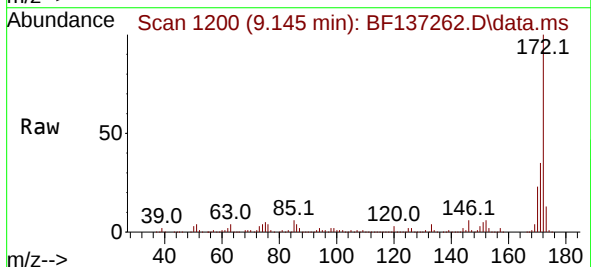
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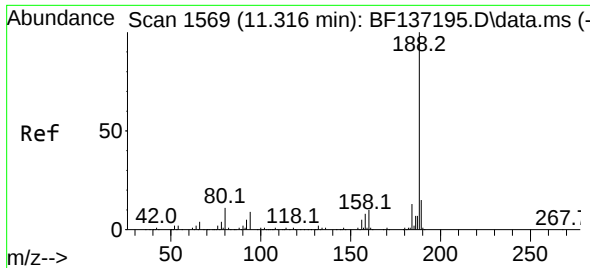
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#45
2-Fluorobiphenyl
Concen: 78.618 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

Tgt Ion:172 Resp: 645946
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.0 19.1 28.7





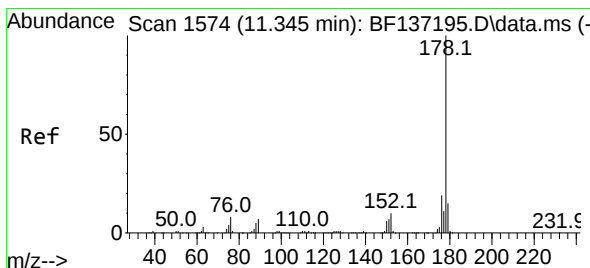
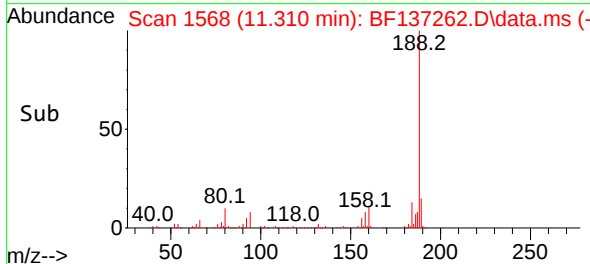
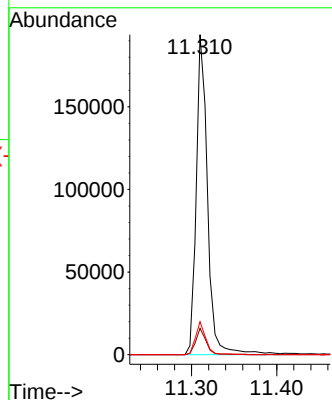
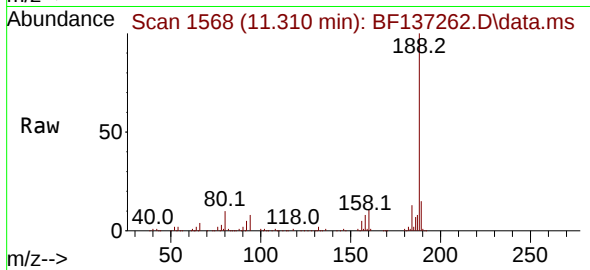
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:188 Resp: 17849
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 10.3 8.8 13.2

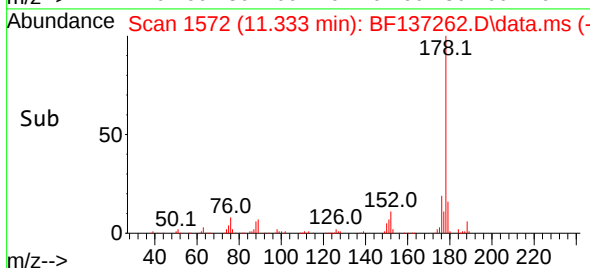
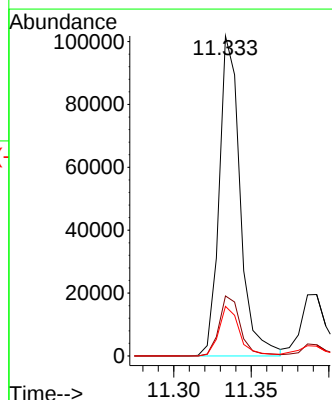
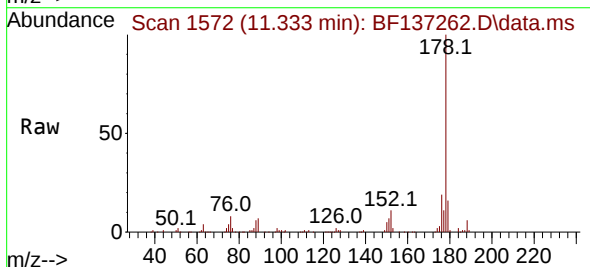
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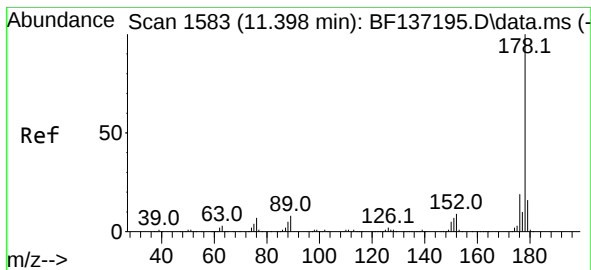
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#71
Phenanthrene
Concen: 10.251 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

Tgt Ion:178 Resp: 95788
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.5 12.1 18.1





#72

Anthracene

Concen: 2.767 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Instrument :

BNA_F

ClientSampleId :

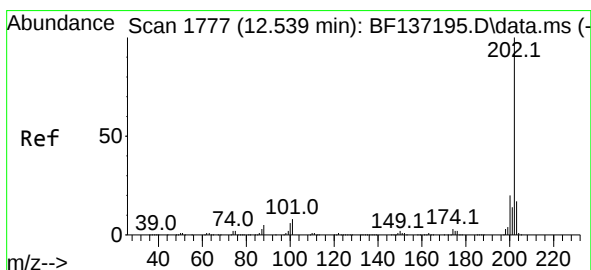
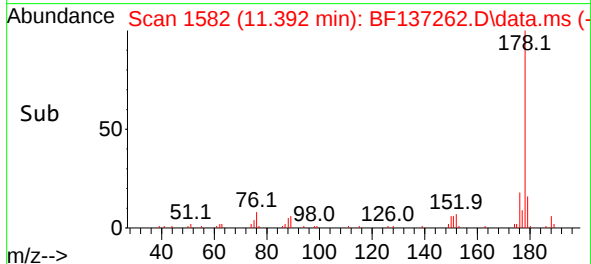
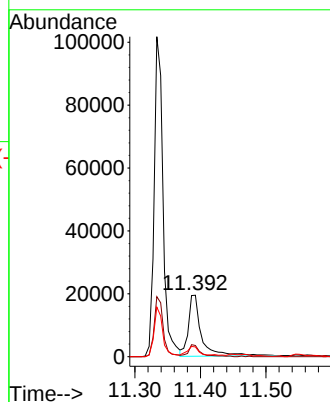
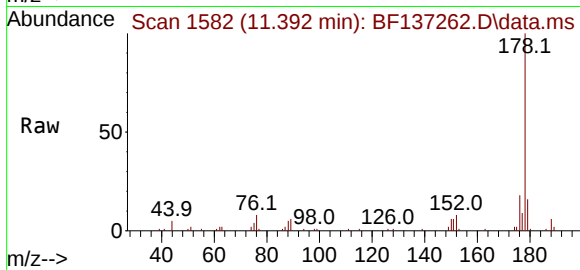
COMP-2

Tgt Ion:178 Resp: 26948
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 15.8 12.7 19.1

Manual Integrations

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#75

Fluoranthene

Concen: 14.257 ng

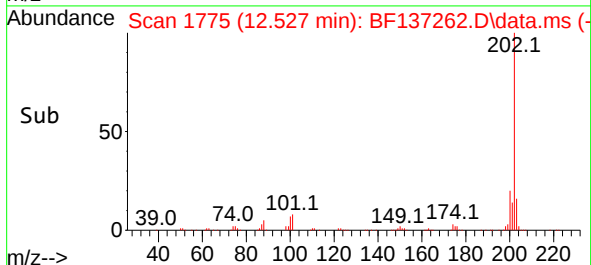
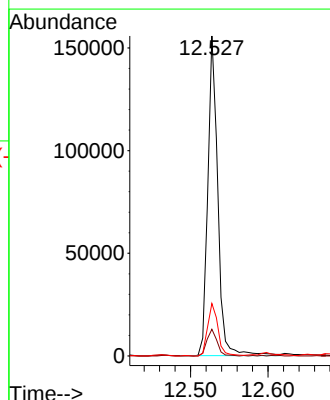
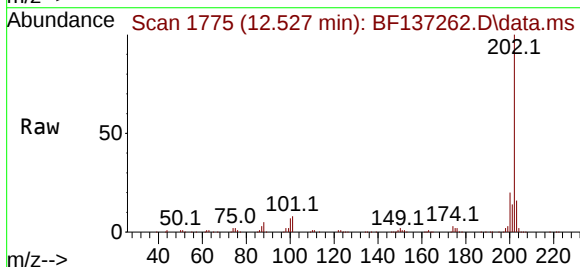
RT: 12.527 min Scan# 1775

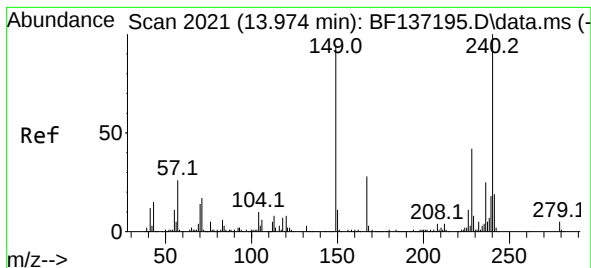
Delta R.T. -0.012 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Tgt Ion:202 Resp: 139403
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 28.4
 203 16.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:240 Resp: 144960

Ion Ratio Lower Upper

240 100

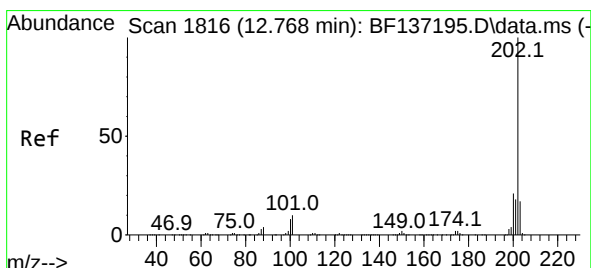
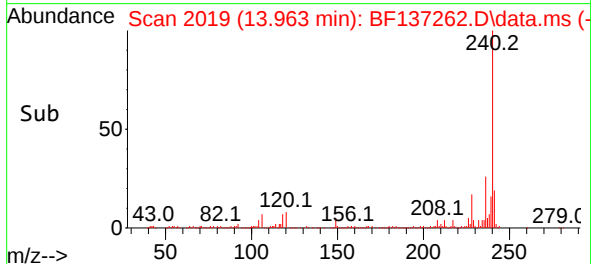
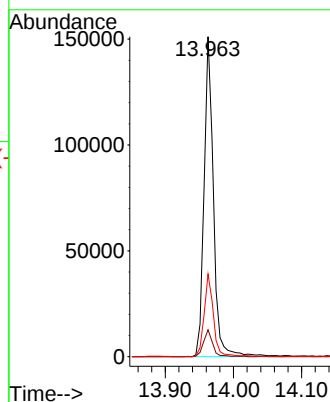
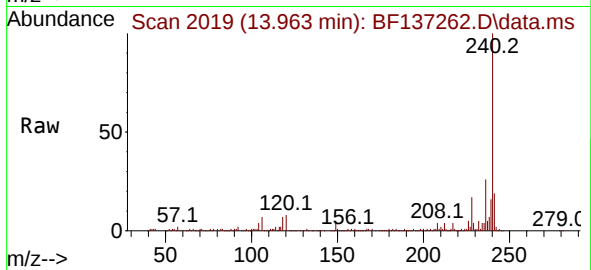
120 8.4 6.3 9.5

236 25.8 20.3 30.5

Manual Integrations

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Supervised By :mohammad ahmed 02/06/2024



#78

Pyrene

Concen: 8.724 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

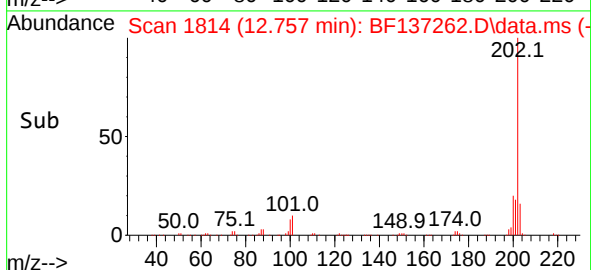
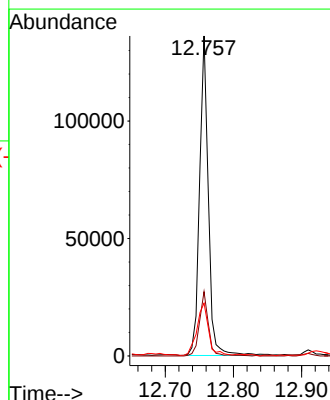
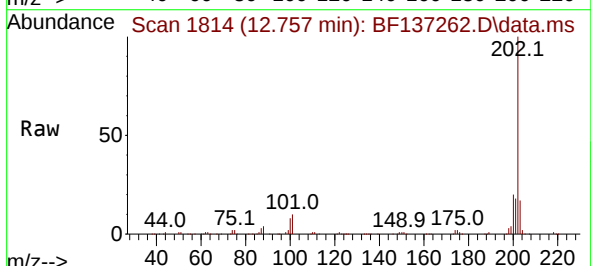
Tgt Ion:202 Resp: 121534

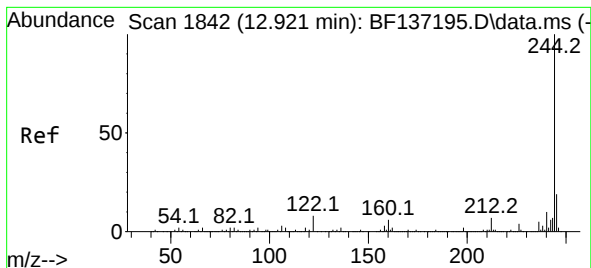
Ion Ratio Lower Upper

202 100

200 20.1 16.5 24.7

203 16.5 13.8 20.6





#79

Terphenyl-d14

Concen: 57.818 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:244 Resp: 61652

Ion Ratio Lower Upper

244 100

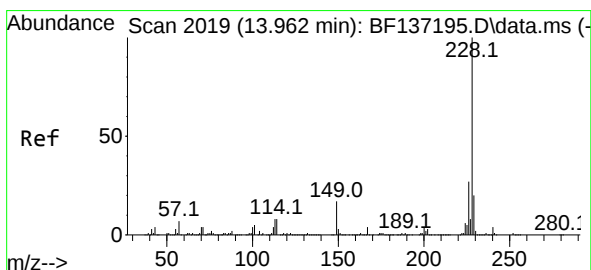
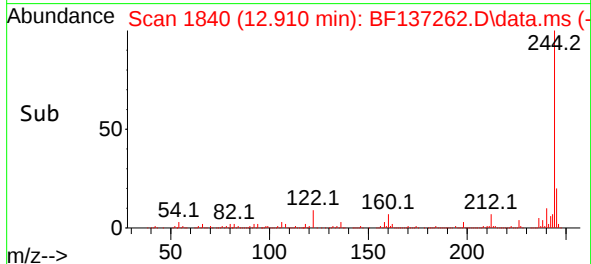
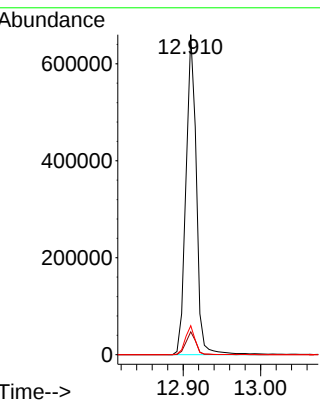
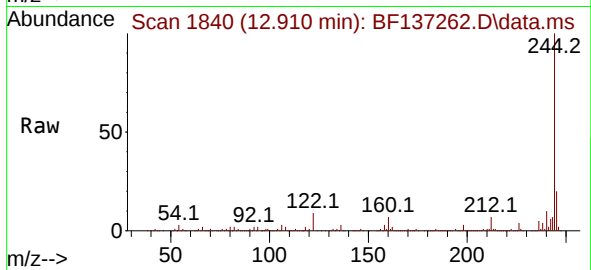
212 7.2 5.5 8.3

122 9.1 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#81

Benzo(a)anthracene

Concen: 7.108 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

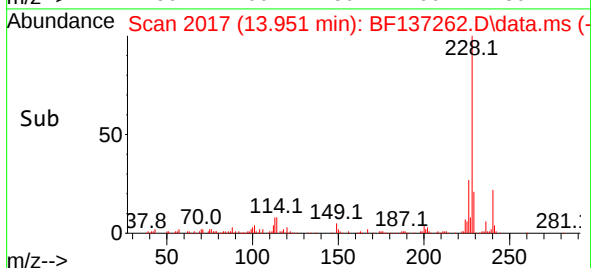
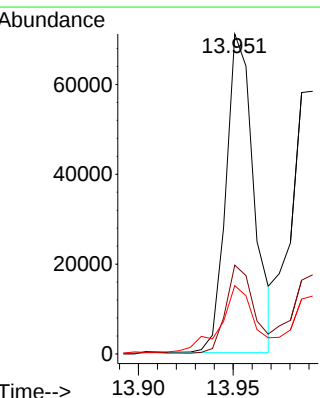
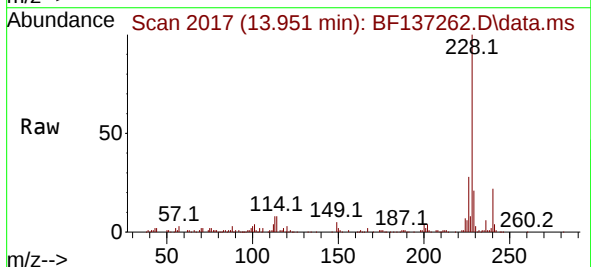
Tgt Ion:228 Resp: 72977

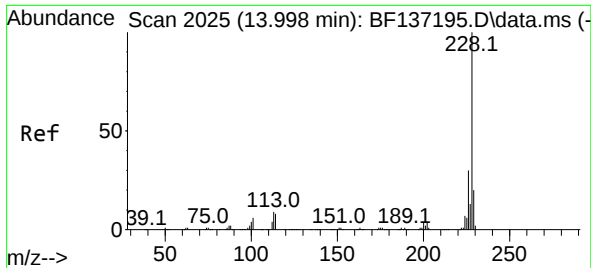
Ion Ratio Lower Upper

228 100

226 27.8 21.6 32.4

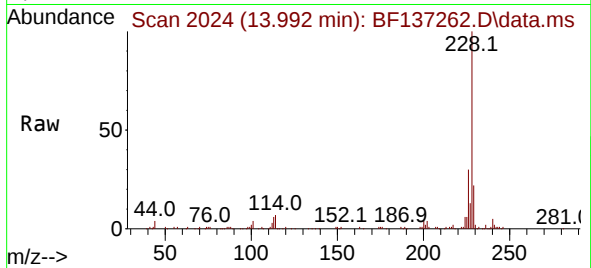
229 21.3 15.8 23.6





#83
Chrysene
Concen: 6.993 ng
RT: 13.992 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

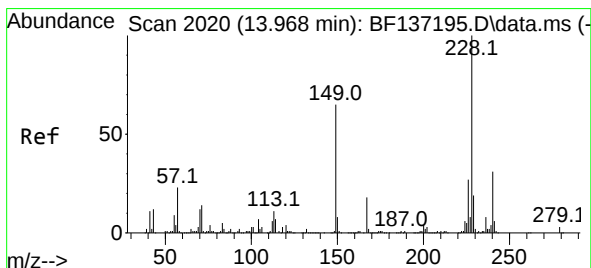
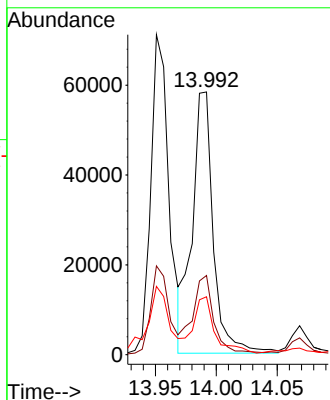
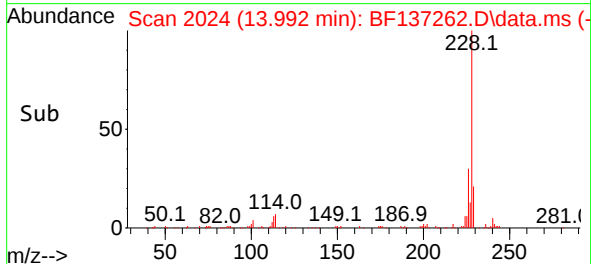
Instrument :
BNA_F
ClientSampleId :
COMP-2



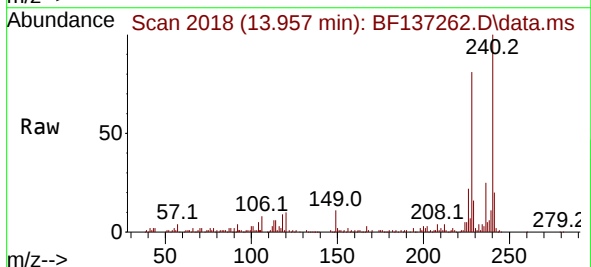
Tgt Ion:228 Resp: 70580
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 22.1 15.6 23.4

Manual Integrations
APPROVED

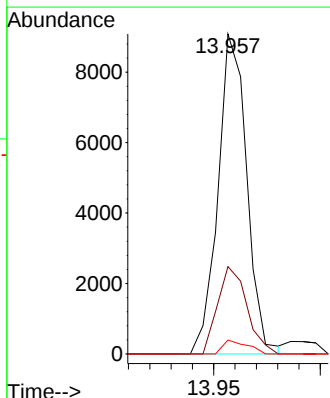
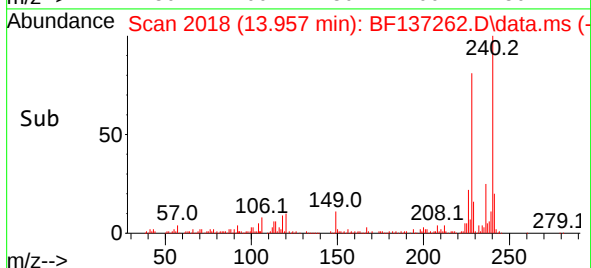
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

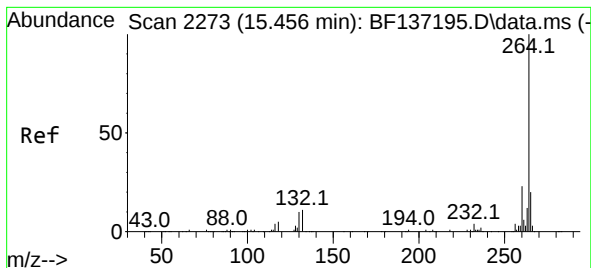


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.052 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47



Tgt Ion:149 Resp: 8506
Ion Ratio Lower Upper
149 100
167 27.3 21.7 32.5
279 4.3 3.4 5.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Instrument :

BNA_F

ClientSampleId :

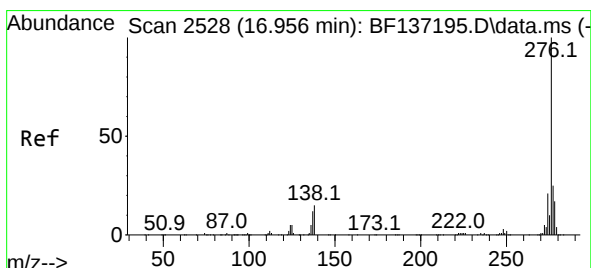
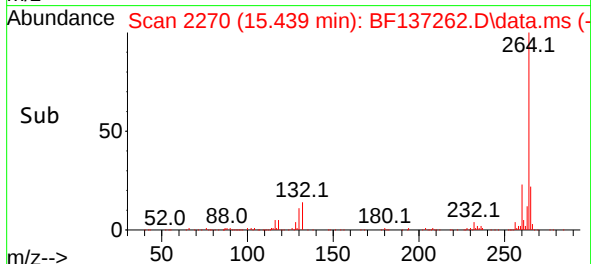
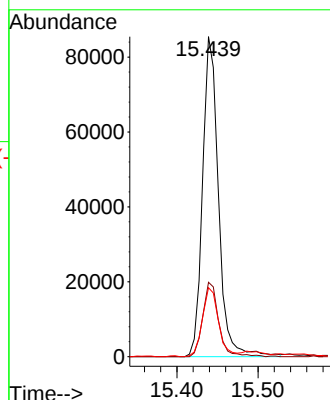
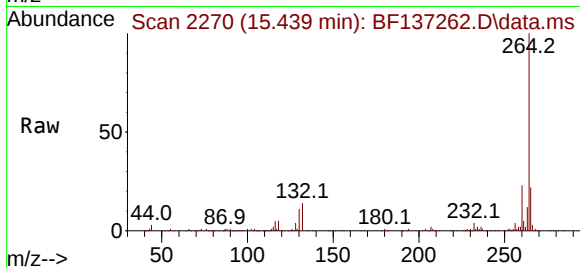
COMP-2

Tgt Ion:264	Resp:	116264
Ion Ratio	Lower	Upper
264	100	
260	23.2	18.2 27.4
265	21.6	16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.222 ng

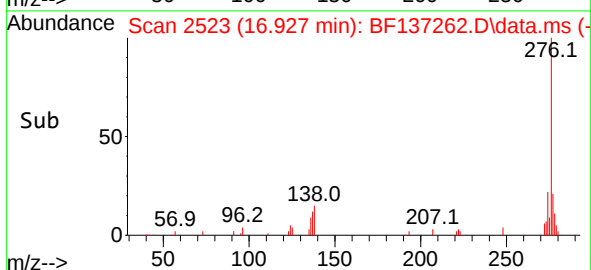
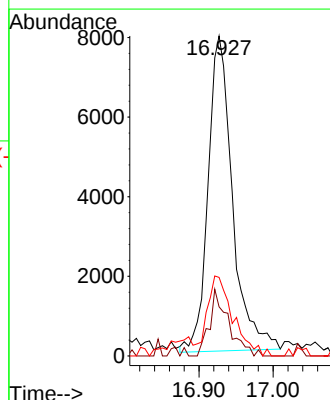
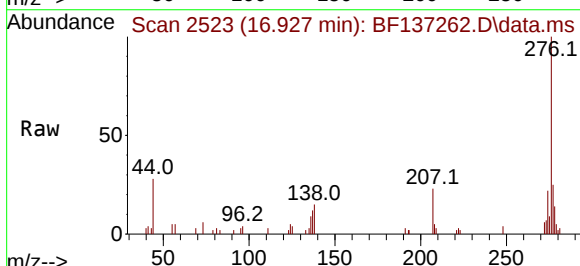
RT: 16.927 min Scan# 2523

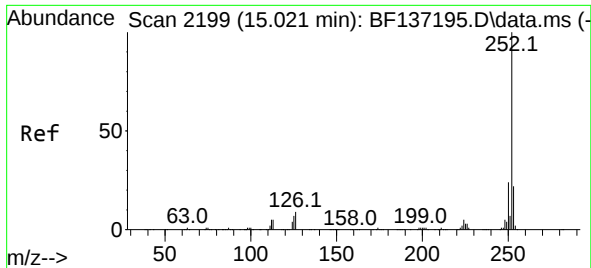
Delta R.T. -0.029 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Tgt Ion:276	Resp:	18152
Ion Ratio	Lower	Upper
276	100	
138	16.7	14.6 21.8
277	27.1	20.2 30.2





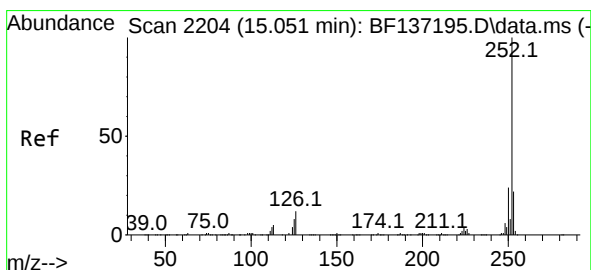
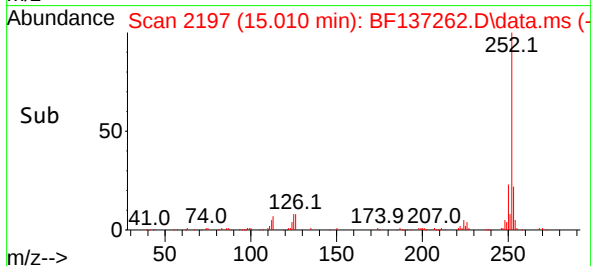
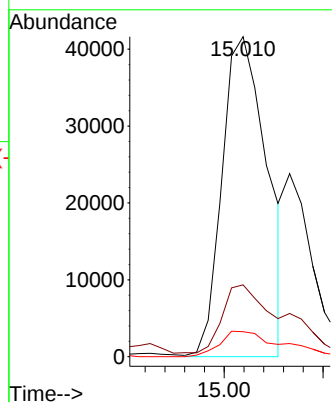
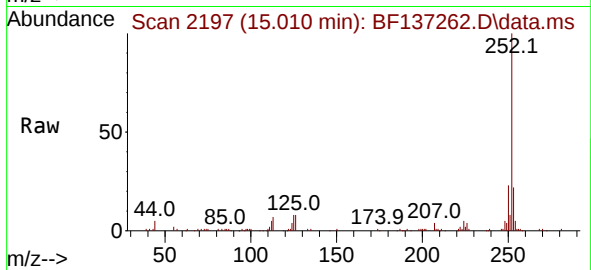
#88
Benzo(b)fluoranthene
Concen: 9.174 ng m
RT: 15.010 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 65598
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 7.8 5.4 8.2

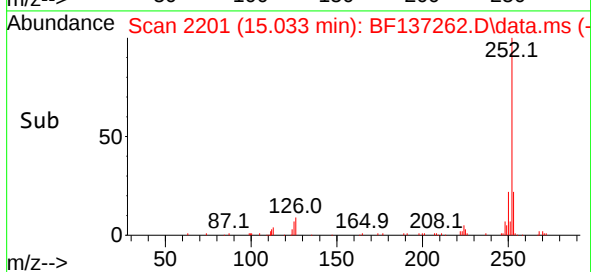
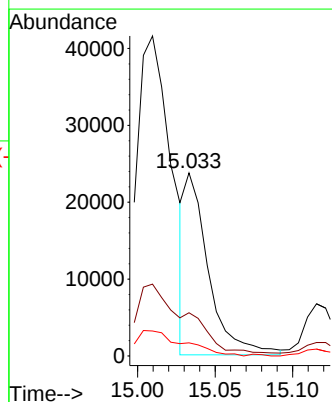
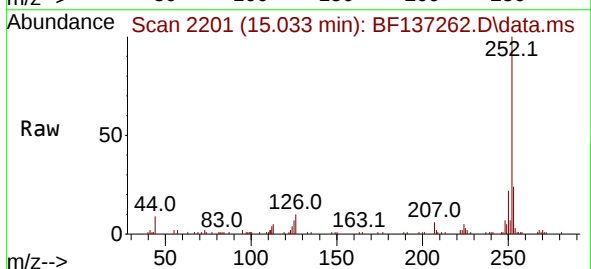
Manual Integrations
APPROVED

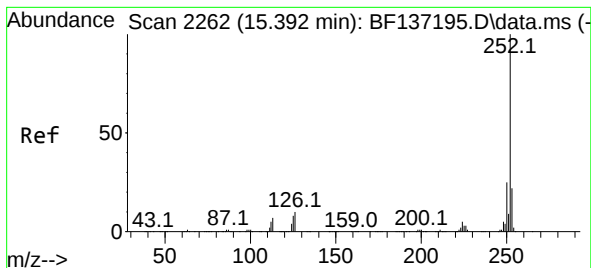
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#89
Benzo(k)fluoranthene
Concen: 3.305 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.018 min
Lab File: BF137262.D
Acq: 02 Feb 2024 18:47

Tgt Ion:252 Resp: 24998
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 7.2 5.9 8.9





#90

Benzo(a)pyrene

Concen: 6.166 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Instrument :

BNA_F

ClientSampleId :

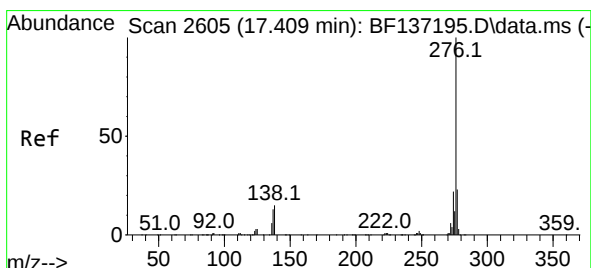
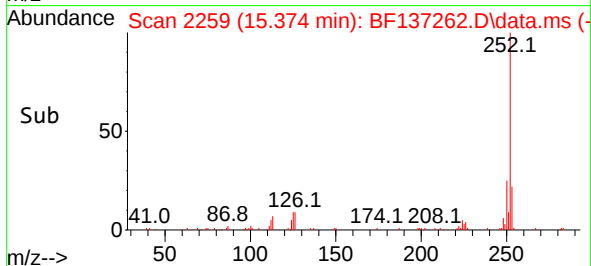
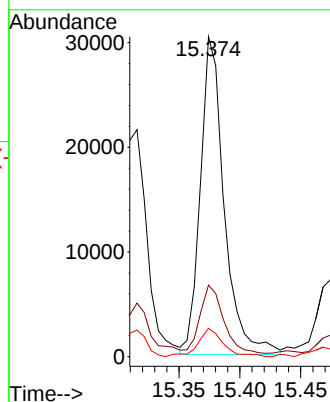
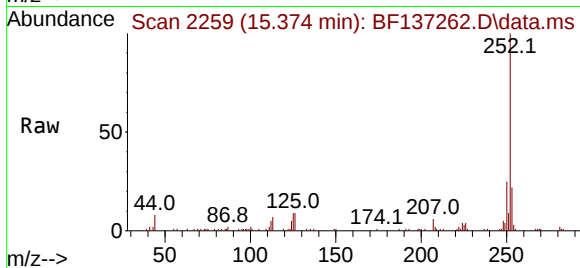
COMP-2

Tgt Ion:	252	Resp:	41489
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	8.9	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#92

Benzo(g,h,i)perylene

Concen: 2.651 ng

RT: 17.374 min Scan# 2599

Delta R.T. -0.035 min

Lab File: BF137262.D

Acq: 02 Feb 2024 18:47

Tgt Ion:	276	Resp:	17027
Ion Ratio	Lower	Upper	
276	100		
277	27.1	18.4	27.6
138	18.8	11.8	17.8#

