

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136624.D
 Acq On : 18 Dec 2023 20:14
 Operator : CG\JU
 Sample : 05767-04RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E2-COMPRE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023

Quant Time: Dec 19 01:06:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 00:56:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	76950	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	262605	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	111267	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	218310	20.000	ng	0.00
76) Chrysene-d12	13.968	240	203165	20.000	ng	0.00
86) Perylene-d12	15.451	264	148838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	418299	80.280	ng	0.00
7) Phenol-d6	6.434	99	477688	73.480	ng	-0.01
23) Nitrobenzene-d5	7.345	82	278947	57.425	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	108738	79.259	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	493323	60.498	ng	0.00
79) Terphenyl-d14	12.910	244	627215	40.691	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	45255	3.771	ng	98
75) Fluoranthene	12.533	202	137255	10.915	ng	98
78) Pyrene	12.763	202	136421	6.856	ng	98
81) Benzo(a)anthracene	13.957	228	85461	6.039	ng	94
83) Chrysene	13.998	228	78017	5.603	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	38927	3.765	ng	99
88) Benzo(b)fluoranthene	15.015	252	92288m	9.069	ng	
89) Benzo(k)fluoranthene	15.045	252	32789m	3.419	ng	
90) Benzo(a)pyrene	15.386	252	59496	7.079	ng	# 90
92) Benzo(g,h,i)perylene	17.415	276	38032	4.374	ng	# 93

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

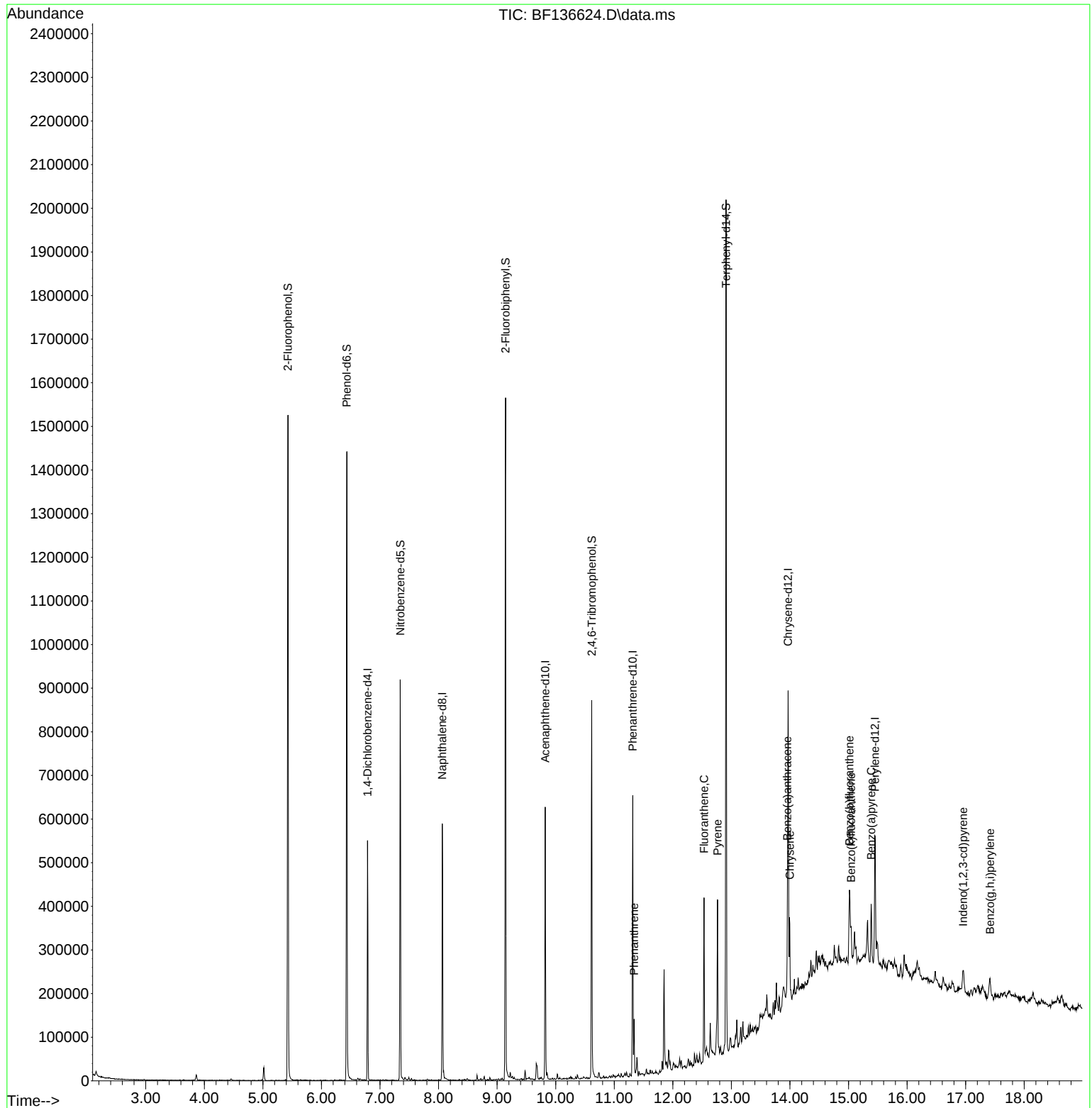
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
Data File : BF136624.D
Acq On : 18 Dec 2023 20:14
Operator : CG\JU
Sample : 05767-04RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

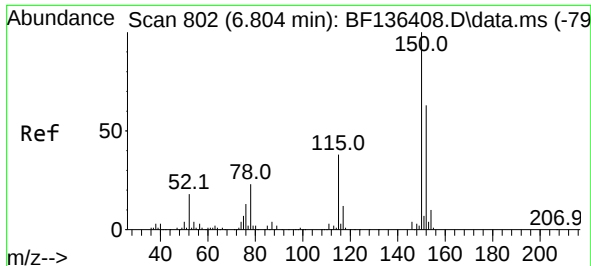
Instrument :
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Quant Time: Dec 19 01:06:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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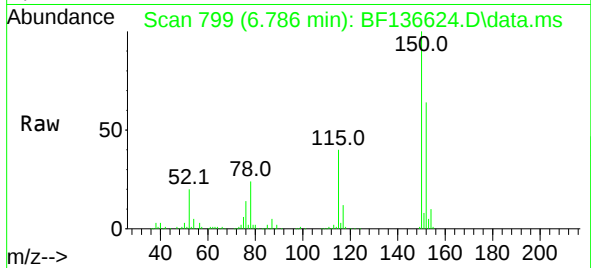
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

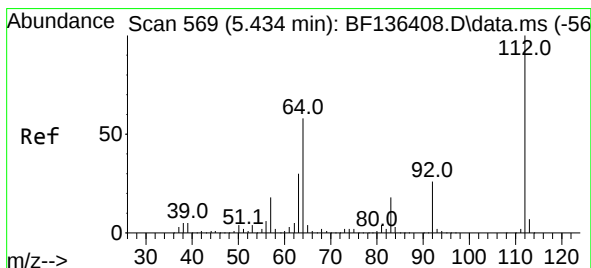
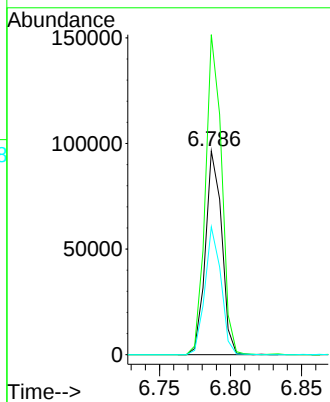
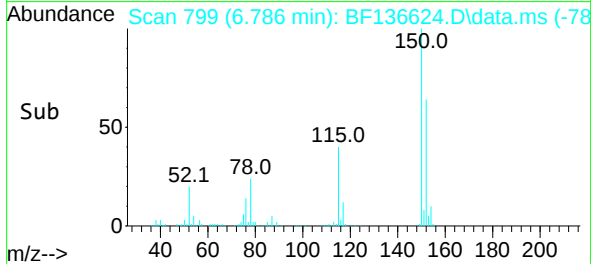
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP



Tgt Ion:152 Resp: 76950
Ion Ratio Lower Upper
152 100
150 157.1 126.4 189.6
115 62.7 48.2 72.4

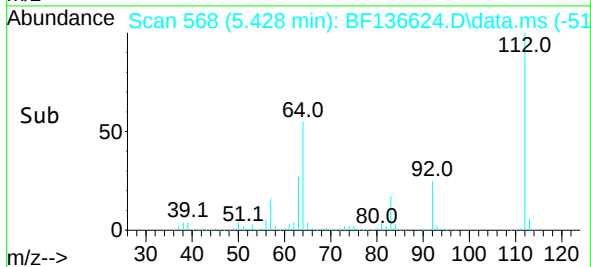
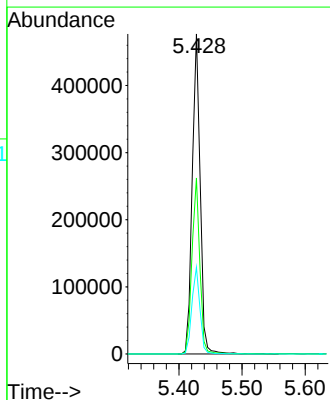
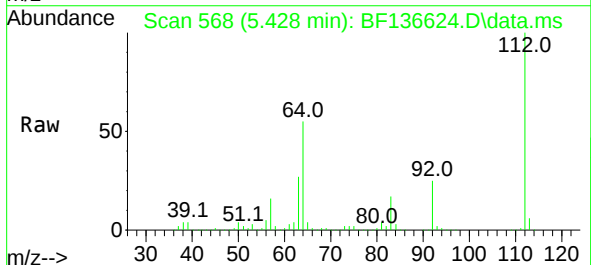
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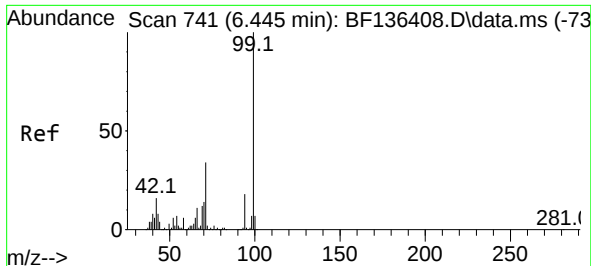
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#5
2-Fluorophenol
Concen: 80.280 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

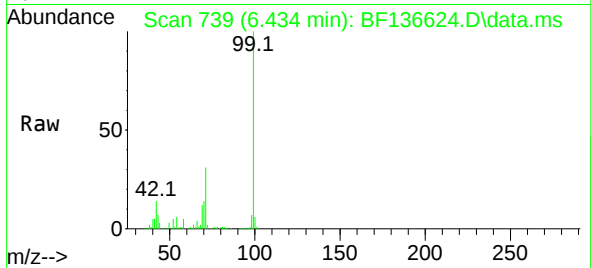
Tgt Ion:112 Resp: 418299
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 27.1 23.9 35.9





#7
Phenol-d6
Concen: 73.480 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

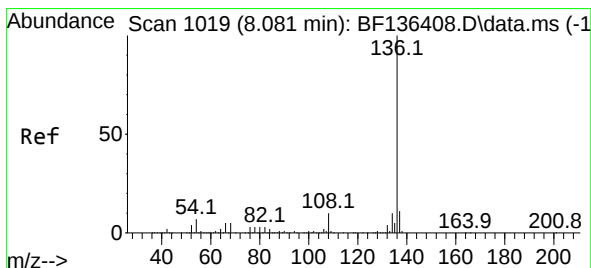
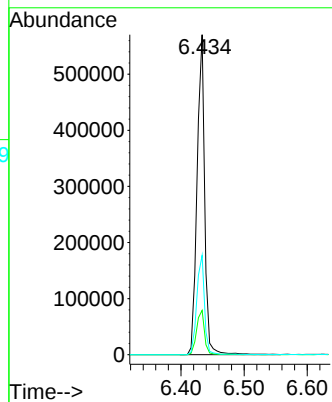
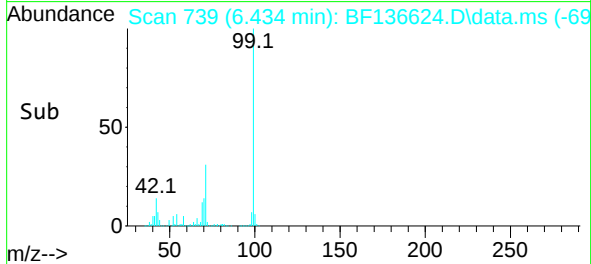
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMPRE



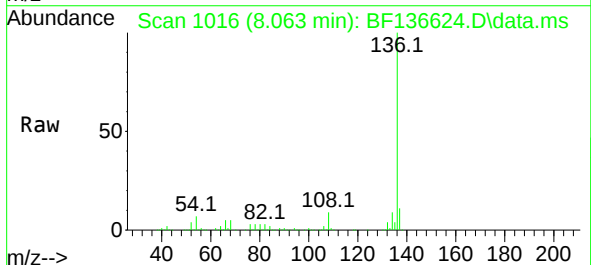
Tgt Ion: 99 Resp: 477688
Ion Ratio Lower Upper
99 100
42 13.9 12.8 19.2
71 31.1 27.0 40.4

Manual Integrations
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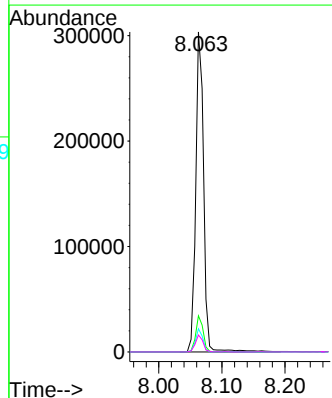
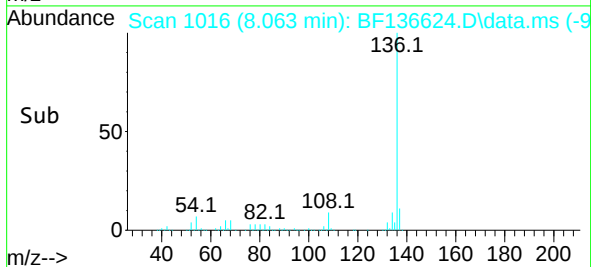
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14



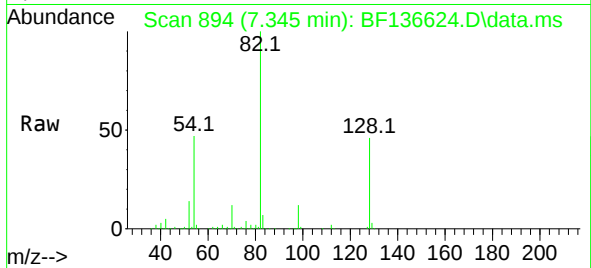
Tgt Ion:136 Resp: 262605
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.2 5.7 8.5
68 5.3 4.0 6.0





#23
Nitrobenzene-d5
Concen: 57.425 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

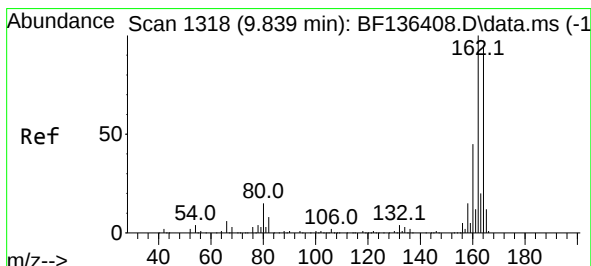
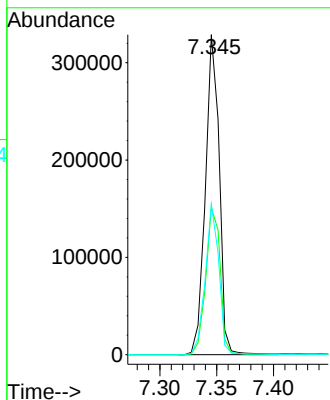
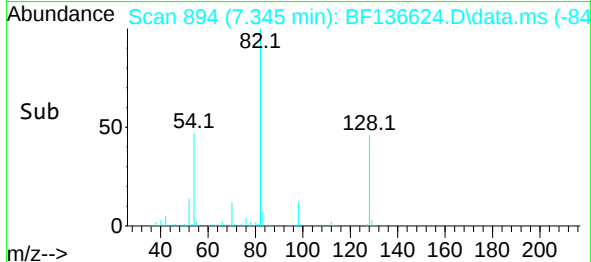
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMPRE



Tgt Ion: 82 Resp: 27894
Ion Ratio Lower Upper
82 100
128 46.0 36.3 54.5
54 47.1 39.0 58.6

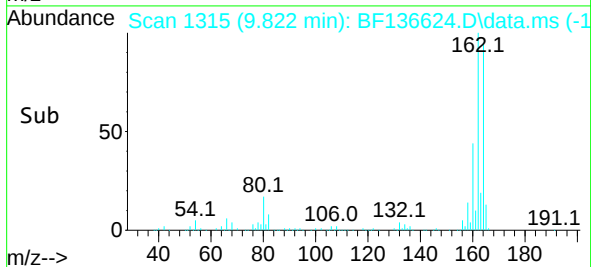
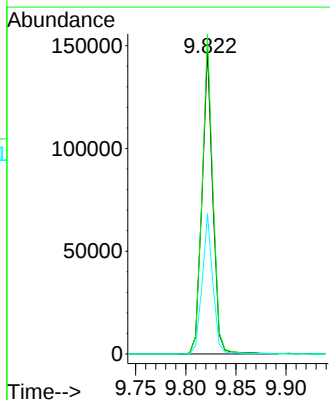
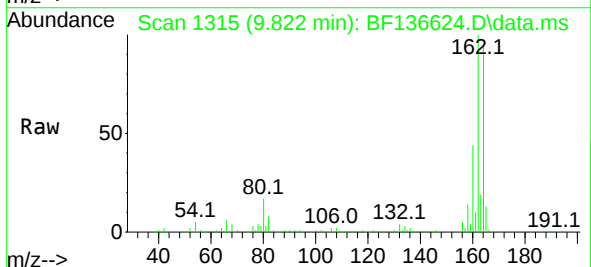
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:164 Resp: 111267
Ion Ratio Lower Upper
164 100
162 105.0 84.4 126.6
160 46.1 37.6 56.4





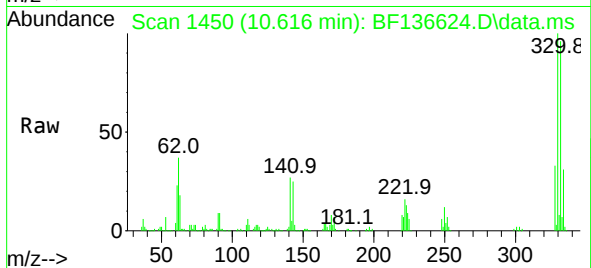
#42
2,4,6-Tribromophenol
Concen: 79.259 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP



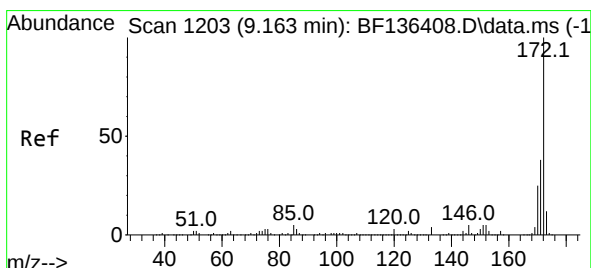
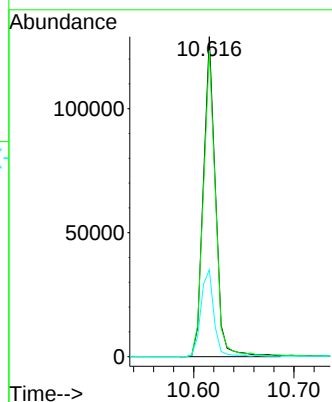
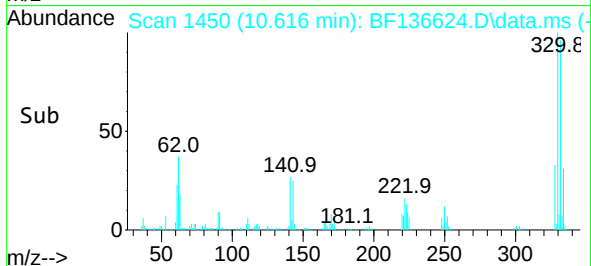
Tgt Ion:330 Resp: 108738
Ion Ratio Lower Upper
330 100
332 96.0 76.4 114.6
141 29.7 23.4 35.2

Manual Integrations

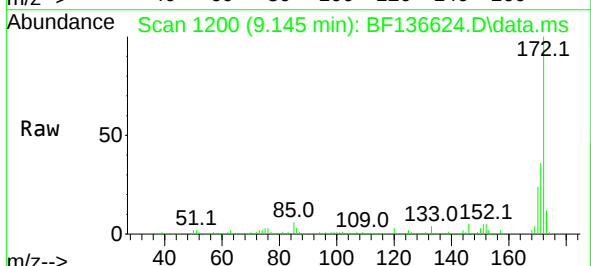
APPROVED

Reviewed By :Yogesh Patel 12/19/2023

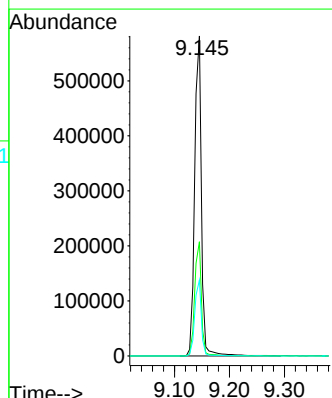
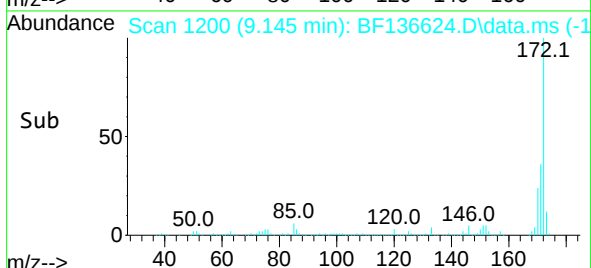
Supervised By :mohammad ahmed 12/19/2023

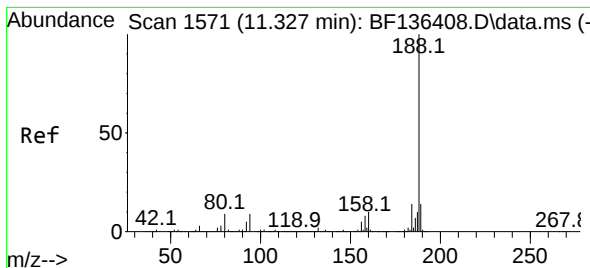


#45
2-Fluorobiphenyl
Concen: 60.498 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14



Tgt Ion:172 Resp: 493323
Ion Ratio Lower Upper
172 100
171 35.7 30.5 45.7
170 23.7 19.9 29.9





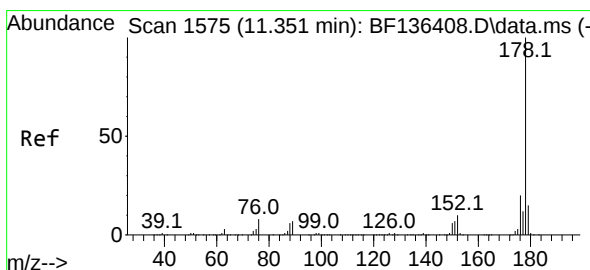
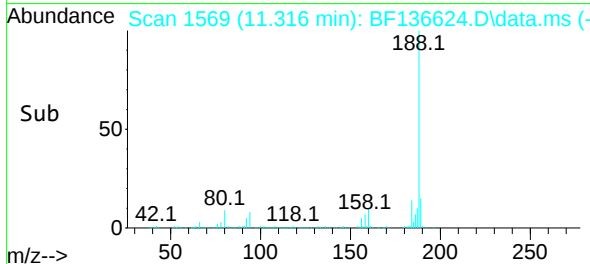
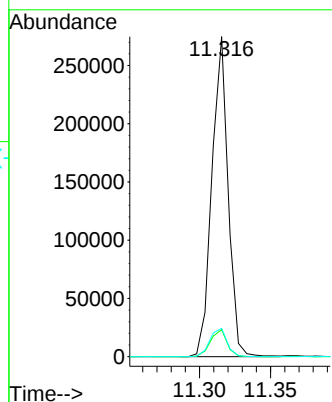
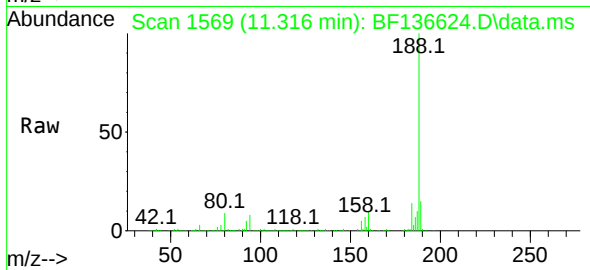
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

Tgt Ion:188 Resp: 218310
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 8.9 7.2 10.8

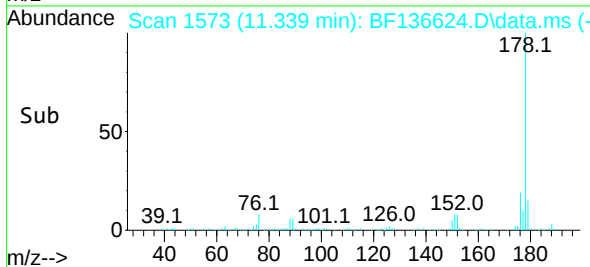
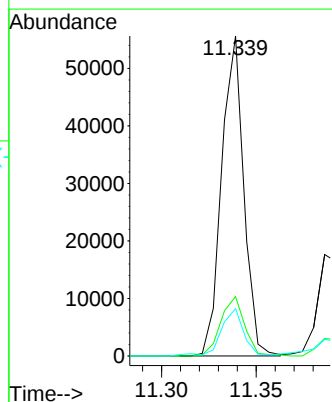
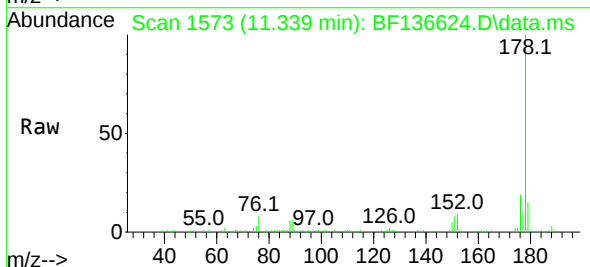
Manual Integrations
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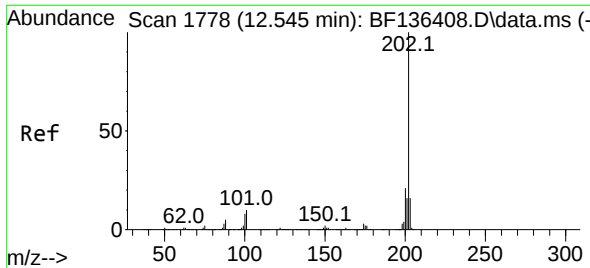
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#71
Phenanthrene
Concen: 3.771 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

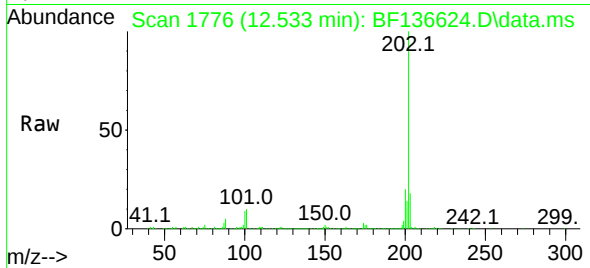
Tgt Ion:178 Resp: 45255
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 14.7 11.8 17.6





#75
Fluoranthene
Concen: 10.915 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

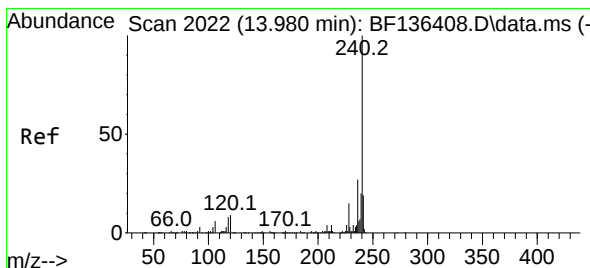
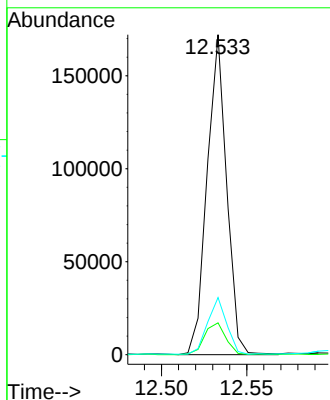
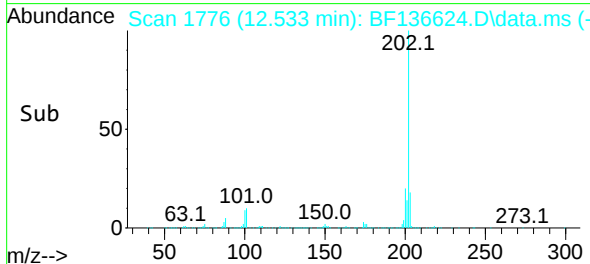
Instrument :
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SP-E2-COMPRE



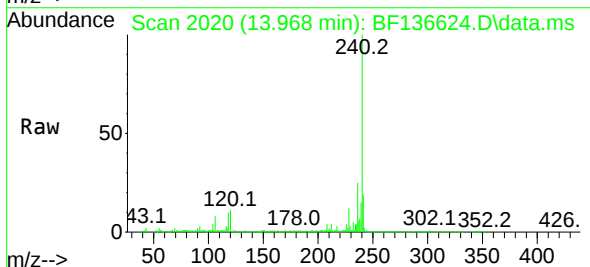
Tgt Ion:202 Resp: 13725
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 17.9 0.0 36.3

Manual Integrations
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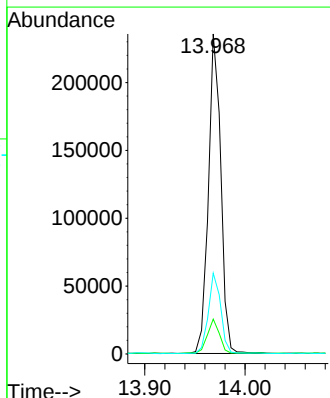
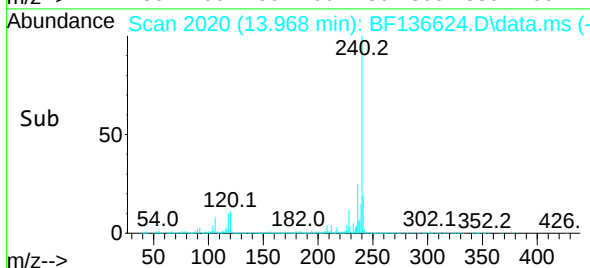
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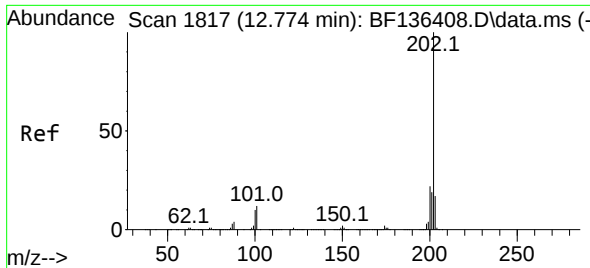


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14



Tgt Ion:240 Resp: 203165
Ion Ratio Lower Upper
240 100
120 10.9 7.3 10.9
236 25.3 21.3 31.9





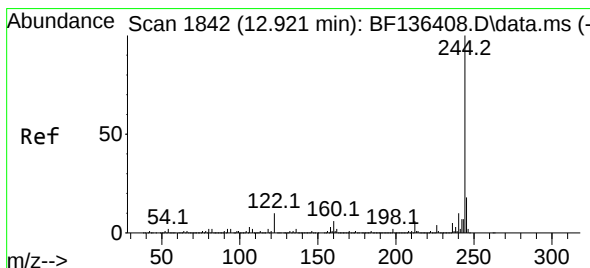
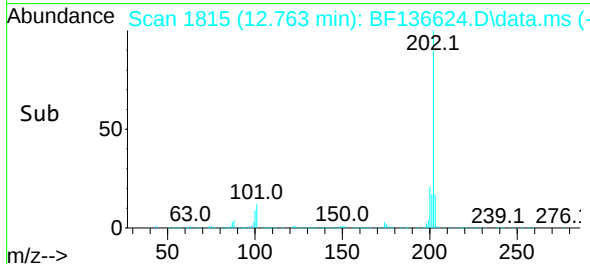
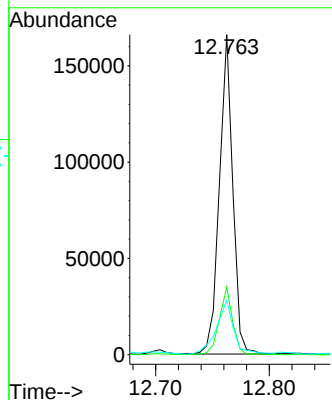
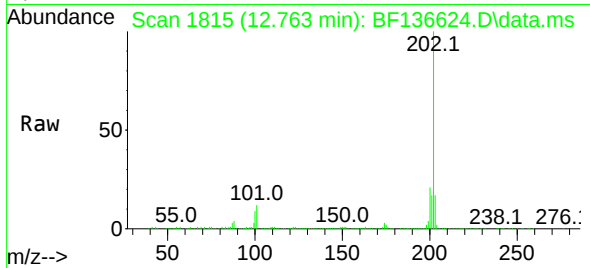
#78
Pyrene
Concen: 6.856 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

Tgt Ion:202 Resp: 13642
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 16.9 13.5 20.3

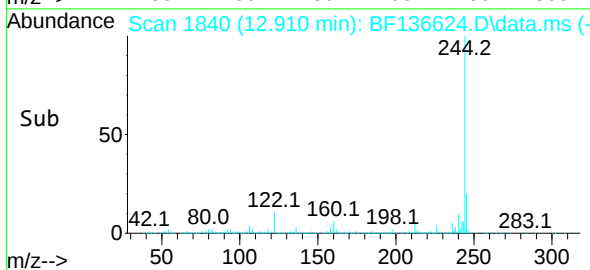
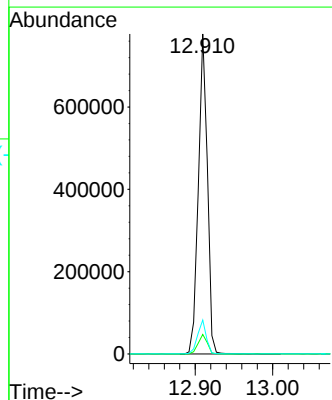
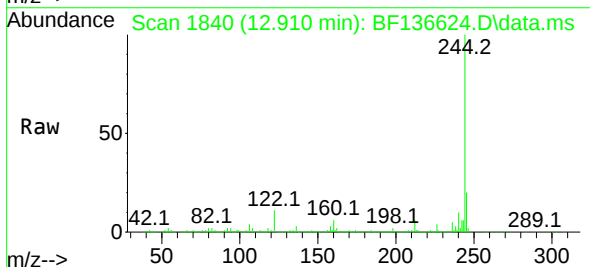
Manual Integrations
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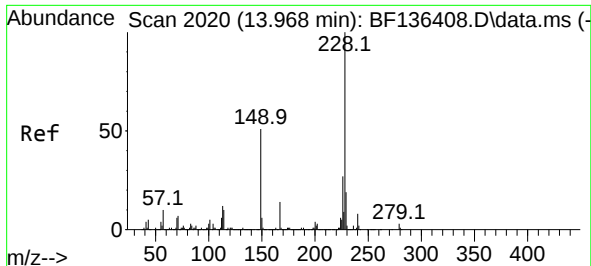
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#79
Terphenyl-d14
Concen: 40.691 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:244 Resp: 627215
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 10.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 6.039 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

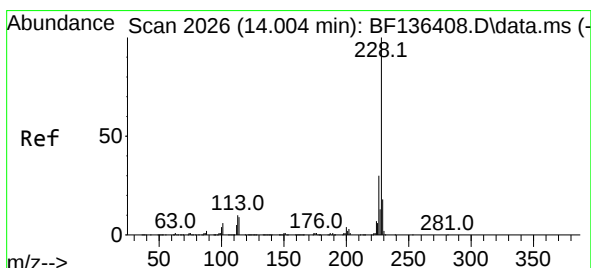
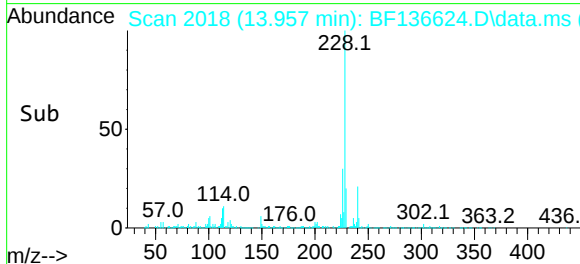
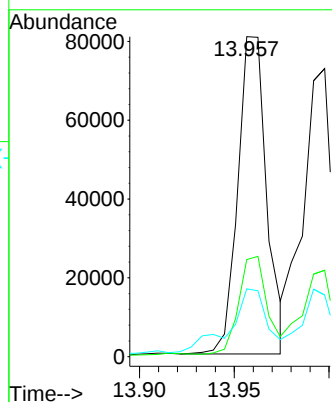
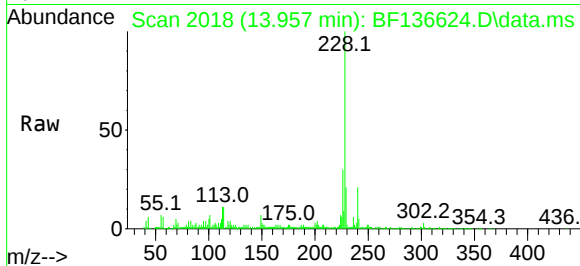
ClientSampleId :

SP-E2-COMP

Tgt Ion:228 Resp: 8546
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.8
229 21.2 15.0 22.4

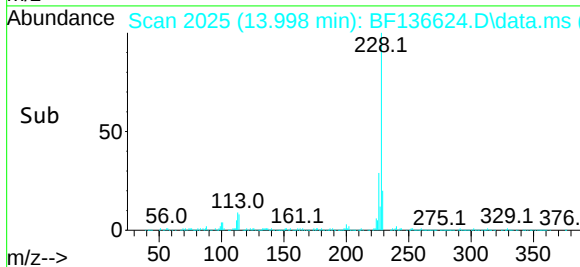
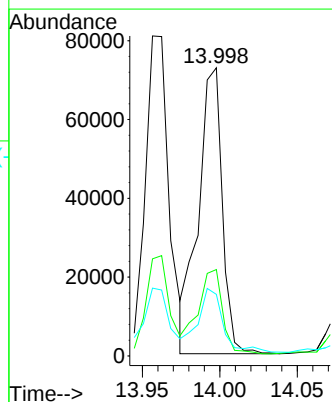
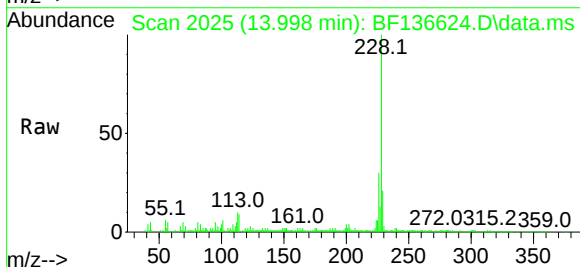
Manual Integrations
APPROVED

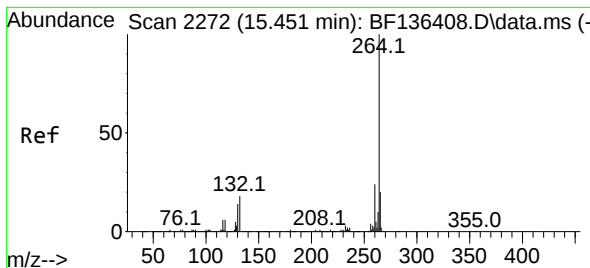
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#83
Chrysene
Concen: 5.603 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:228 Resp: 78017
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 21.4 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMPRE

Tgt Ion:264 Resp: 148838

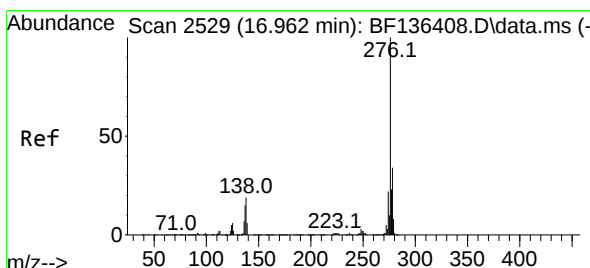
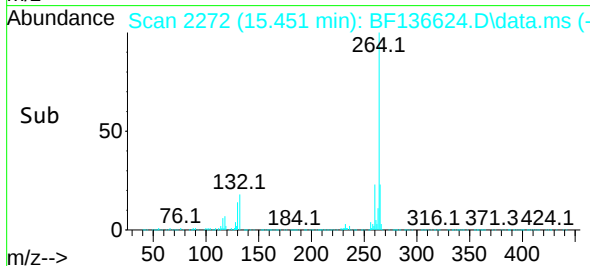
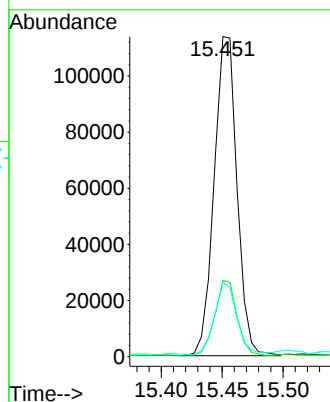
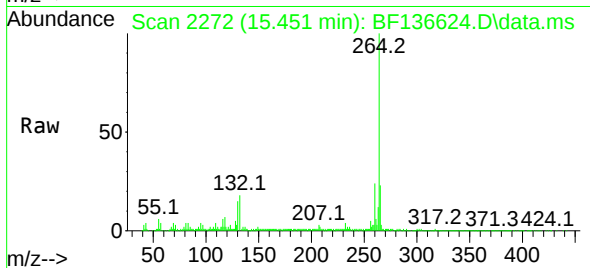
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.2	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.765 ng

RT: 16.956 min Scan# 2528

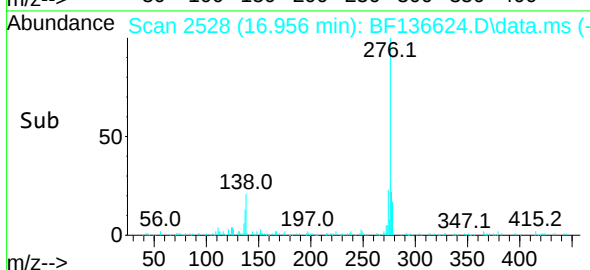
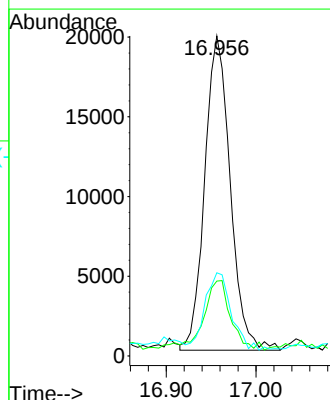
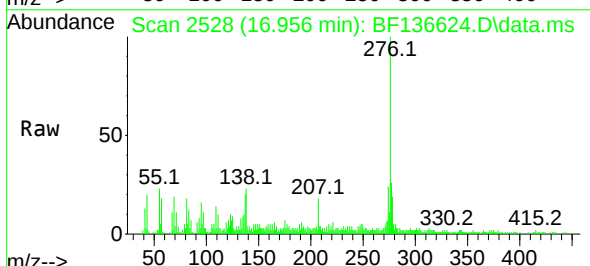
Delta R.T. -0.018 min

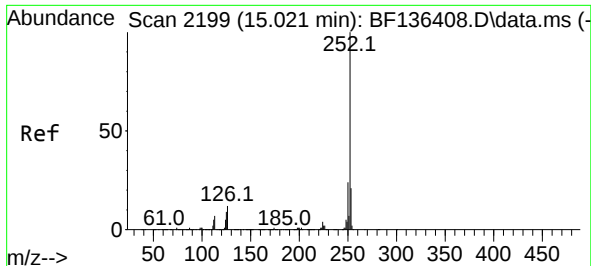
Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Tgt Ion:276 Resp: 38927

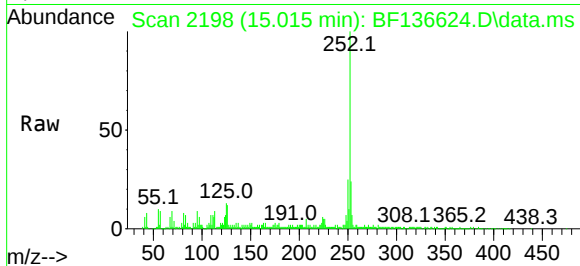
Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.0	28.4
277	24.4	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 9.069 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

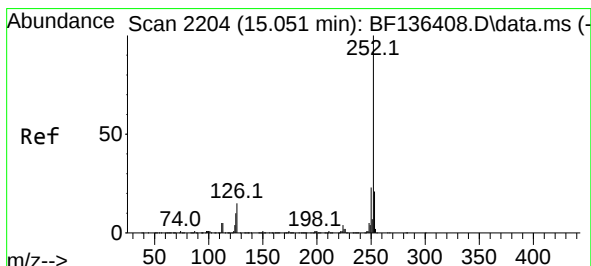
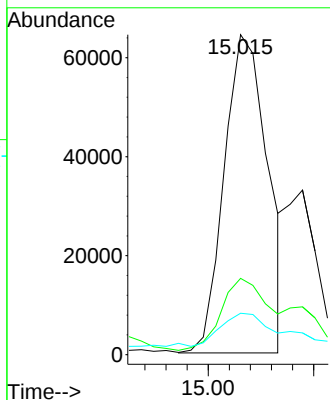
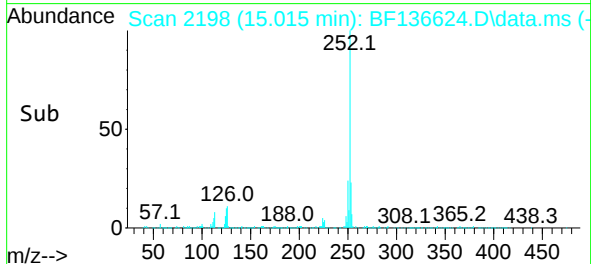
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP



Tgt Ion:252 Resp: 92288
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 13.0 7.4 11.2

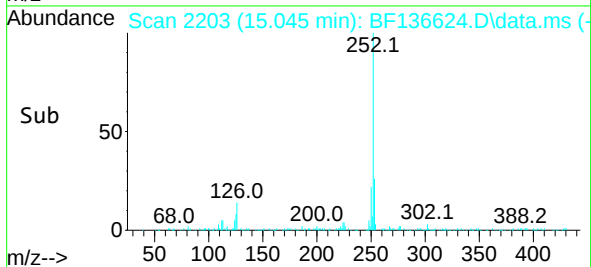
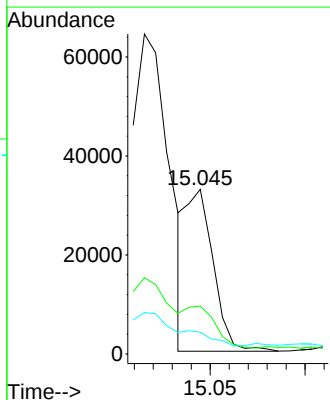
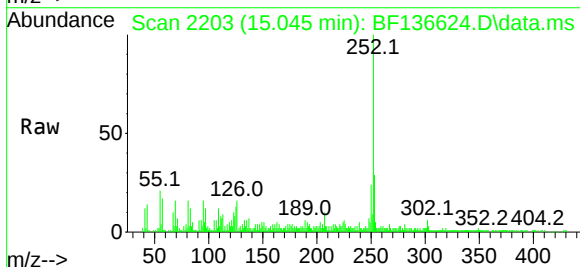
Manual Integrations
APPROVED

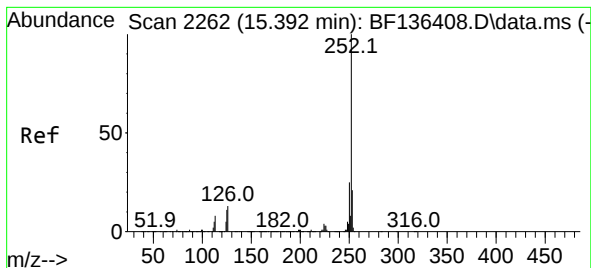
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#89
Benzo(k)fluoranthene
Concen: 3.419 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:252 Resp: 32789
Ion Ratio Lower Upper
252 100
253 29.1 16.9 25.3#
125 13.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 7.079 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNF

ClientSampleId :

SP-E2-COMPRE

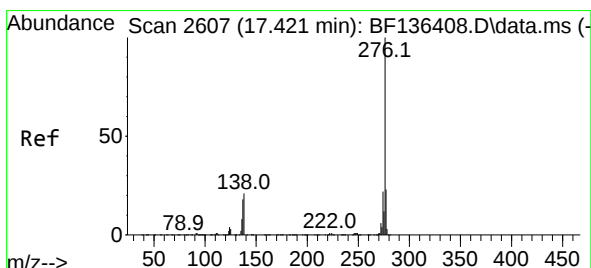
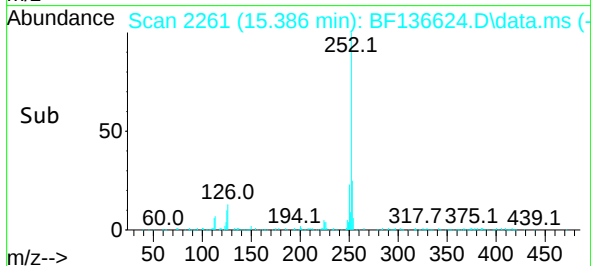
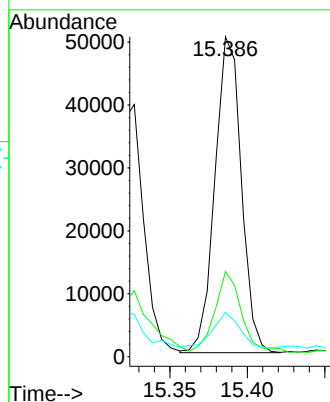
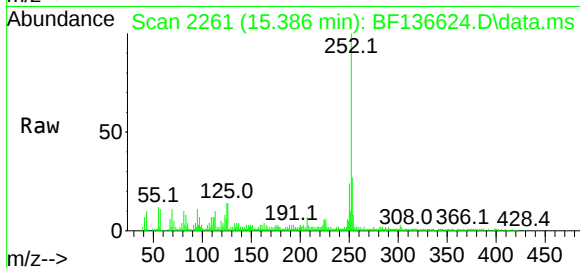
Tgt Ion:	252	Resp:	59490
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.0	25.4
125	13.8	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#92

Benzo(g,h,i)perylene

Concen: 4.374 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.024 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Tgt Ion:	276	Resp:	38032
Ion Ratio	Lower	Upper	
276	100		
277	30.1	18.7	28.1
138	21.0	16.6	25.0

