

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136264.D
 Acq On : 28 Nov 2023 23:13
 Operator : CG\JU
 Sample : 05517-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-D

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 00:51:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129378	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	503797	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	208076	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	292308	20.000	ng	0.00
76) Chrysene-d12	13.980	240	263961	20.000	ng	-0.01
86) Perylene-d12	15.463	264	224658	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1025724	110.347	ng	0.00
7) Phenol-d6	6.440	99	1237401	106.464	ng	0.00
23) Nitrobenzene-d5	7.363	82	757486	79.453	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	227145	89.290	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1365556	83.827	ng	-0.01
79) Terphenyl-d14	12.928	244	1088101	47.549	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	145764	8.872	ng	98
75) Fluoranthene	12.545	202	318805	19.115	ng	95
78) Pyrene	12.775	202	306949	10.618	ng	98
81) Benzo(a)anthracene	13.974	228	171898	8.768	ng	93
83) Chrysene	14.010	228	178303	9.419	ng	95
87) Indeno(1,2,3-cd)pyrene	16.957	276	56423	5.852	ng	98
88) Benzo(b)fluoranthene	15.027	252	191321m	12.138	ng	
89) Benzo(k)fluoranthene	15.057	252	67786m	4.528	ng	
90) Benzo(a)pyrene	15.398	252	115812	8.988	ng	95
91) Dibenzo(a,h)anthracene	16.974	278	13906	3.687	ng	# 92
92) Benzo(g,h,i)perylene	17.410	276	54613	5.779	ng	98

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

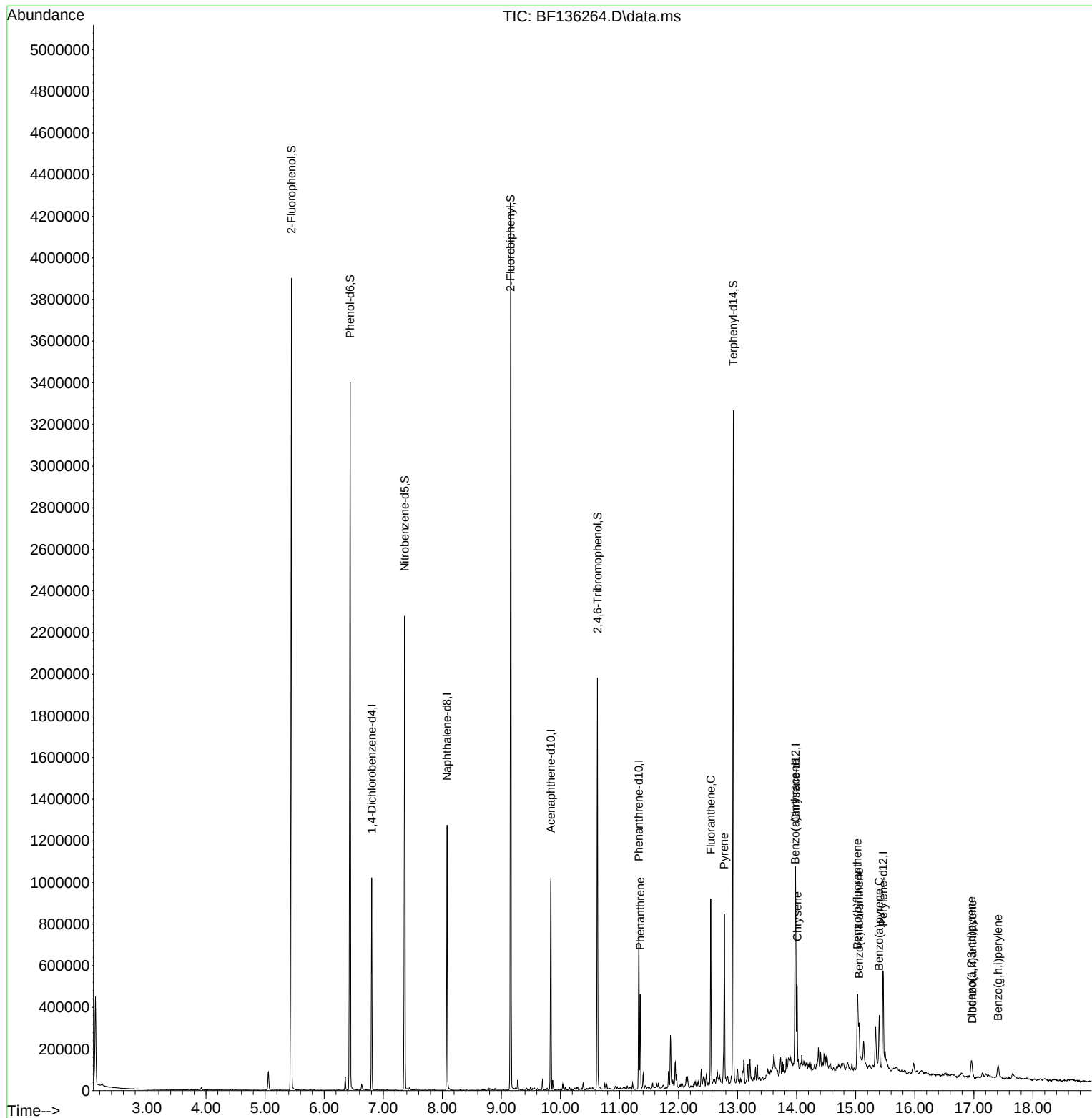
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
Data File : BF136264.D
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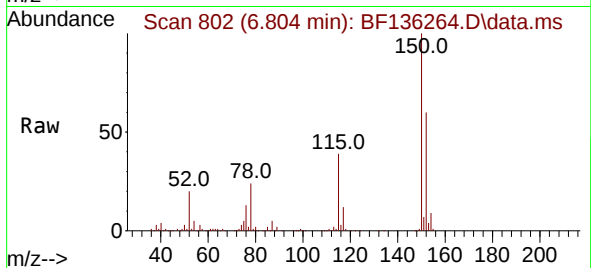
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

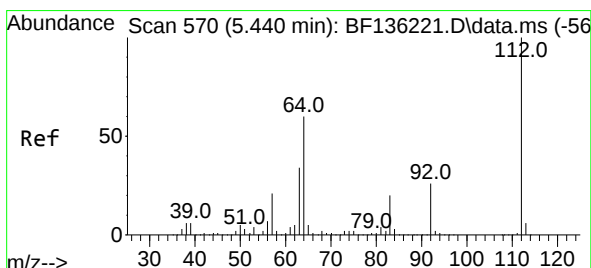
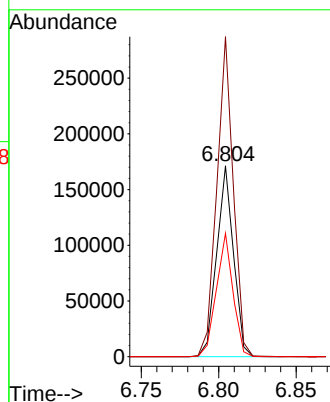
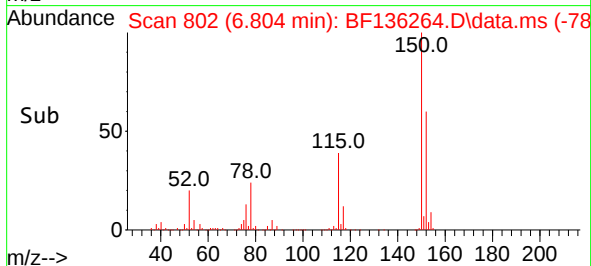
Instrument :
BNA_F
ClientSampleId :
TP-D



Tgt Ion:152 Resp: 129378
Ion Ratio Lower Upper
152 100
150 167.6 137.8 206.8
115 64.6 52.7 79.1

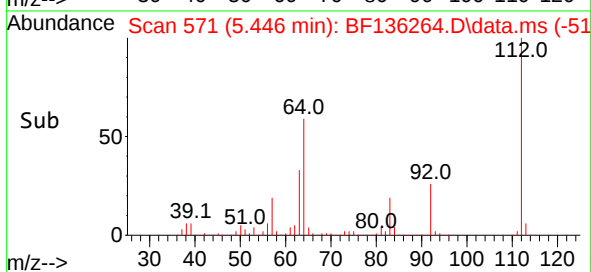
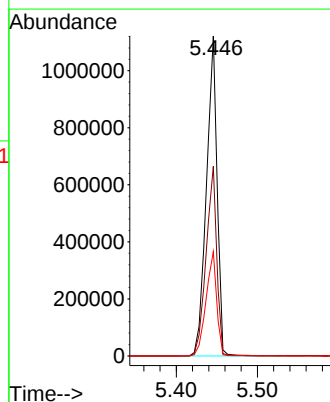
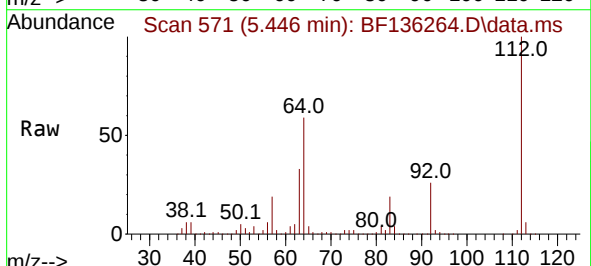
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#5
2-Fluorophenol
Concen: 110.347 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

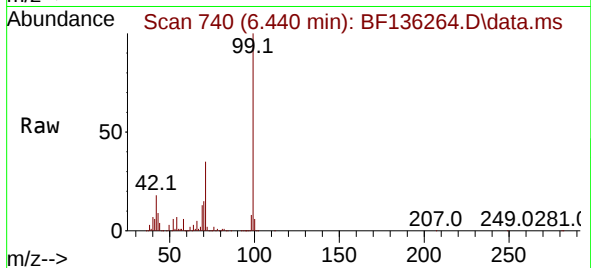
Tgt Ion:112 Resp: 1025724
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 32.6 27.0 40.6





#7
Phenol-d6
Concen: 106.464 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

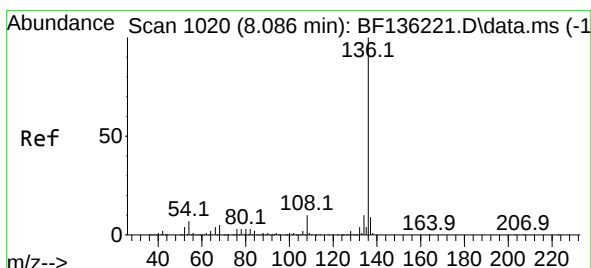
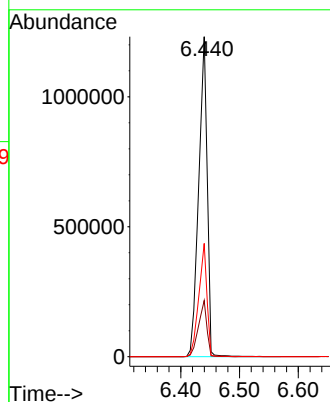
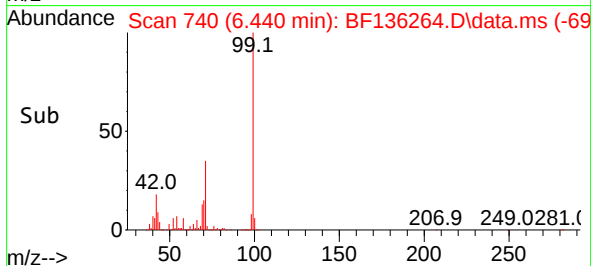
Instrument :
BNA_F
ClientSampleId :
TP-D



Tgt Ion: 99 Resp: 123740
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.6
71 35.4 28.9 43.3

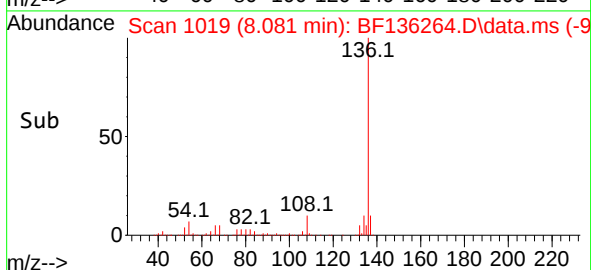
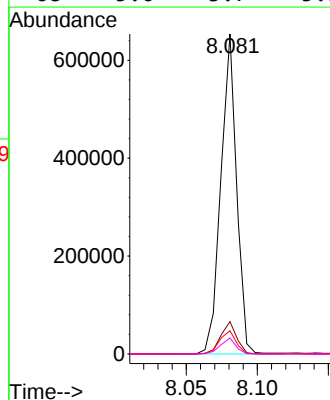
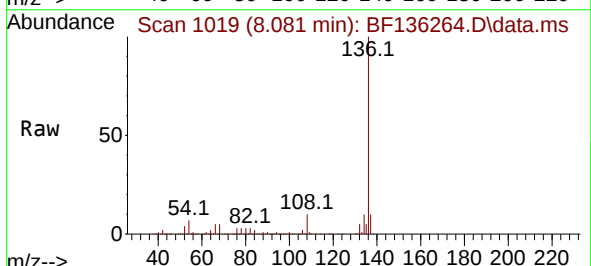
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:136 Resp: 503797
Ion Ratio Lower Upper
136 100
137 10.1 7.4 11.2
54 7.2 5.5 8.3
68 5.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 79.453 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

Tgt Ion: 82 Resp: 757486

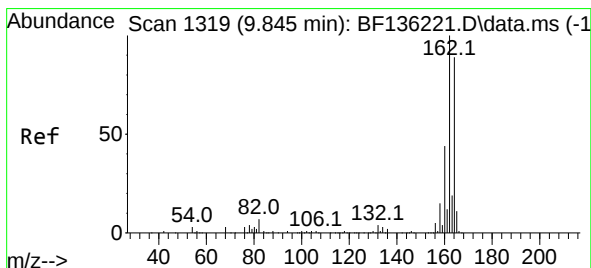
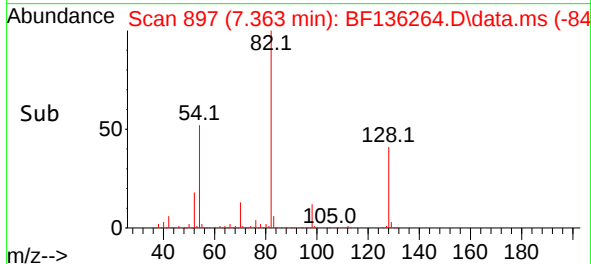
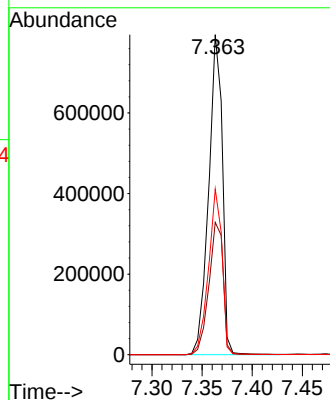
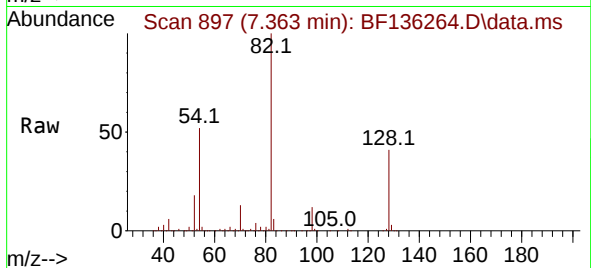
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.4	50.2
54	51.8	41.7	62.5

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Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

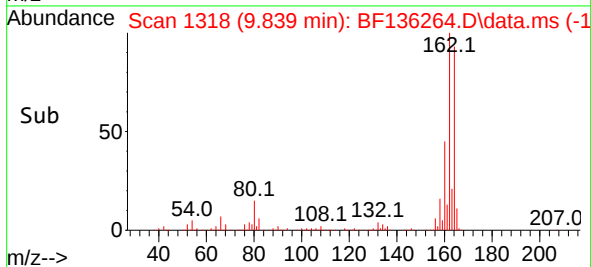
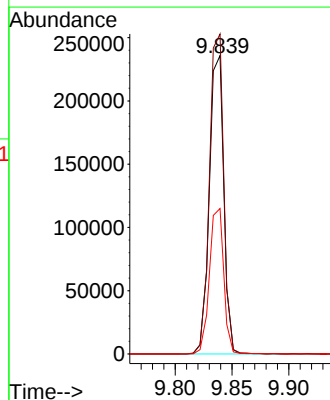
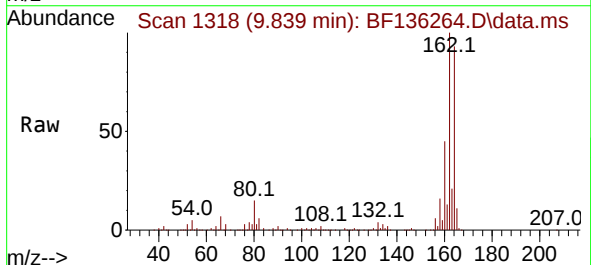
Delta R.T. -0.006 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Tgt Ion:164 Resp: 208076

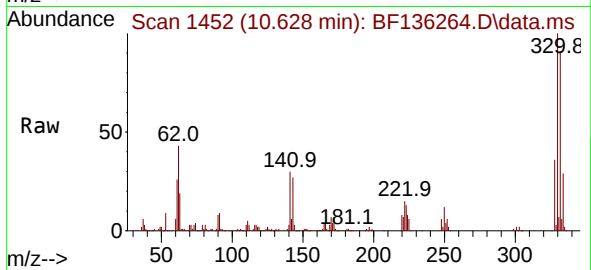
Ion	Ratio	Lower	Upper
164	100		
162	107.2	89.5	134.3
160	48.8	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 89.290 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

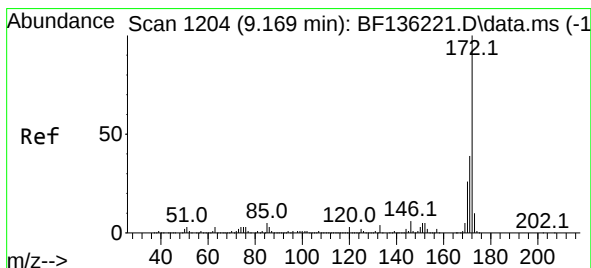
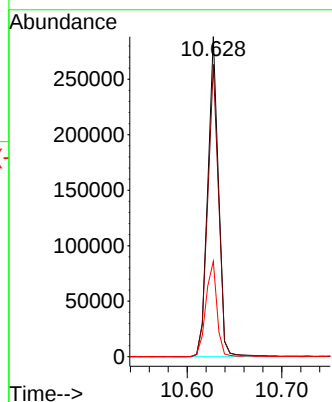
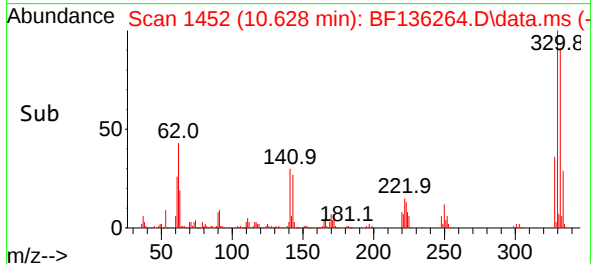
Instrument :
BNA_F
ClientSampleId :
TP-D



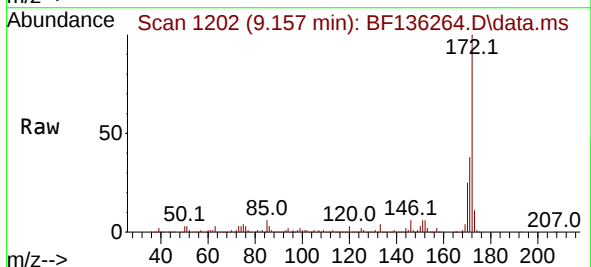
Tgt Ion: 330 Resp: 227145
Ion Ratio Lower Upper
330 100
332 93.3 73.0 109.6
141 31.2 24.2 36.2

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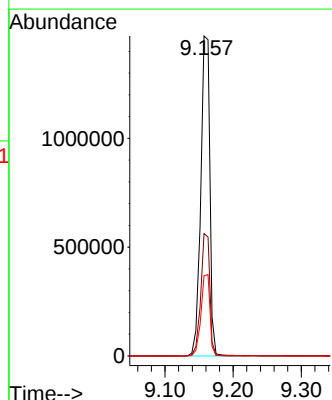
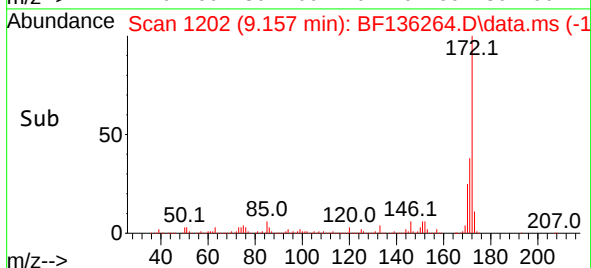
Reviewed By : Yogesh Patel 11/29/2023
Supervised By : mohammad ahmed 12/01/2023



#45
2-Fluorobiphenyl
Concen: 83.827 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13



Tgt Ion: 172 Resp: 1365556
Ion Ratio Lower Upper
172 100
171 38.3 31.5 47.3
170 25.1 20.8 31.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1571

Delta R.T. -0.005 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

Tgt Ion:188 Resp: 292308

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

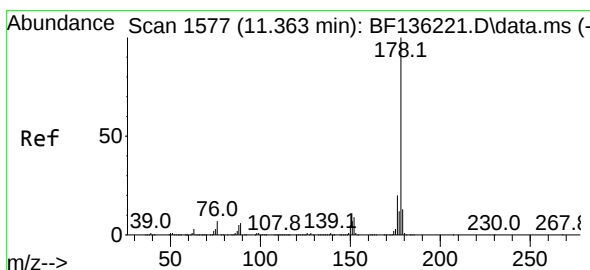
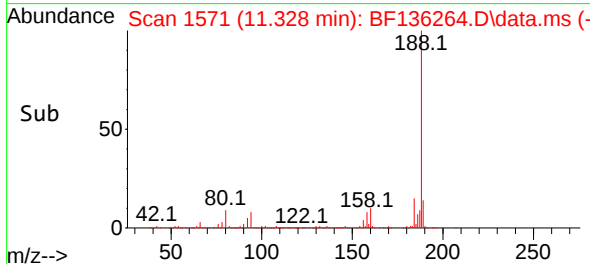
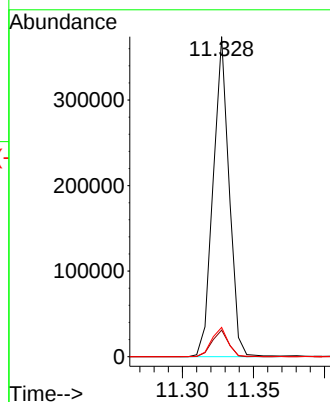
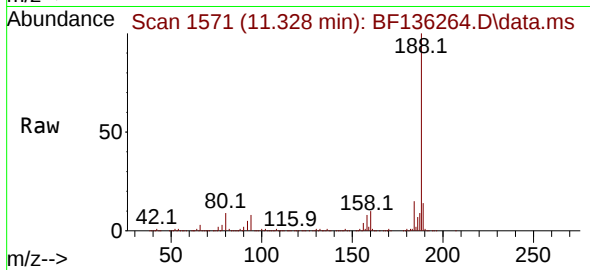
80 9.1 7.2 10.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#71

Phenanthrene

Concen: 8.872 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

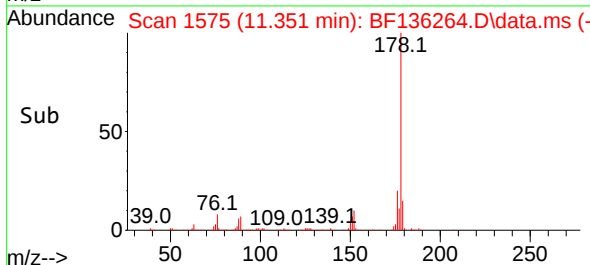
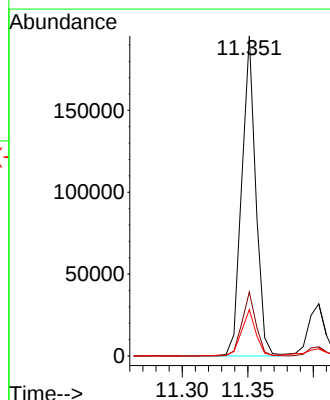
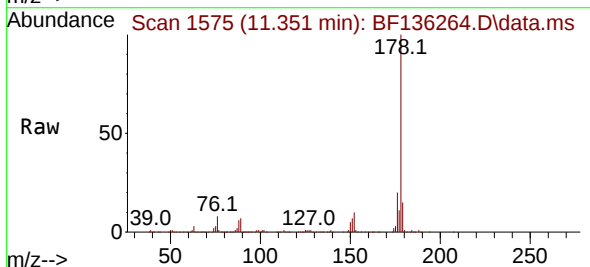
Tgt Ion:178 Resp: 145764

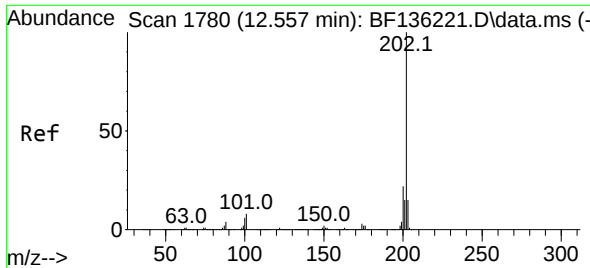
Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.2

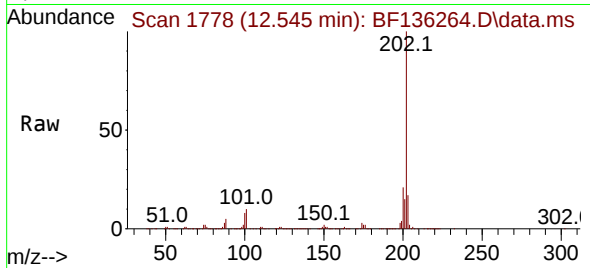
179 14.5 10.3 15.5





#75
Fluoranthene
Concen: 19.115 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

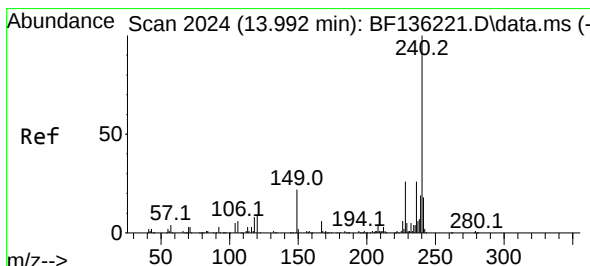
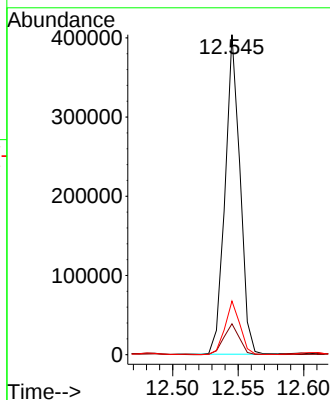
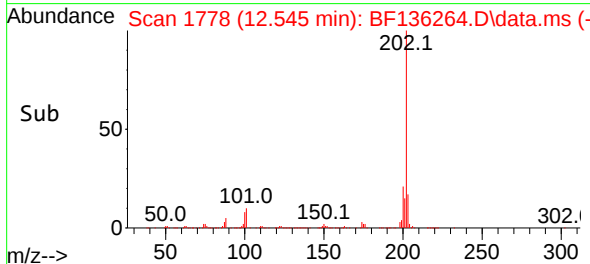
Instrument :
BNA_F
ClientSampleId :
TP-D



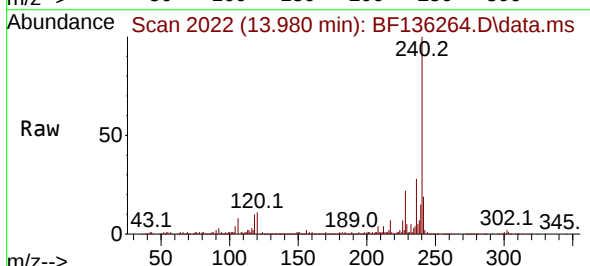
Tgt Ion:202 Resp: 31880
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.8
203 16.8 0.0 34.5

Manual Integrations
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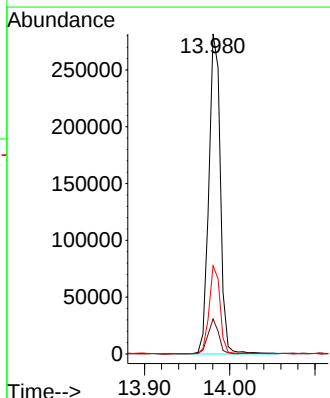
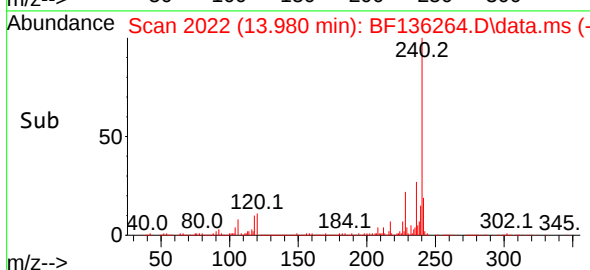
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

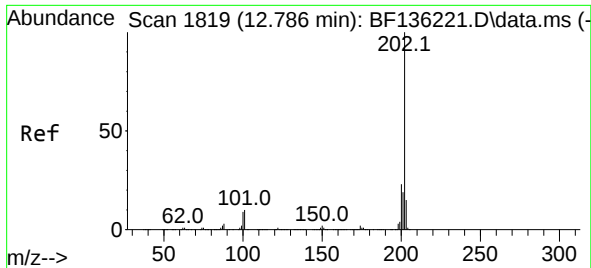


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13



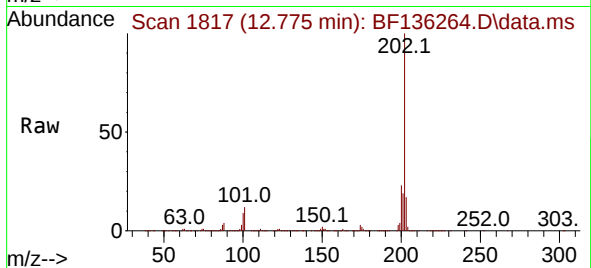
Tgt Ion:240 Resp: 263961
Ion Ratio Lower Upper
240 100
120 10.9 7.4 11.2
236 27.5 21.1 31.7





#78
Pyrene
Concen: 10.618 ng
RT: 12.775 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

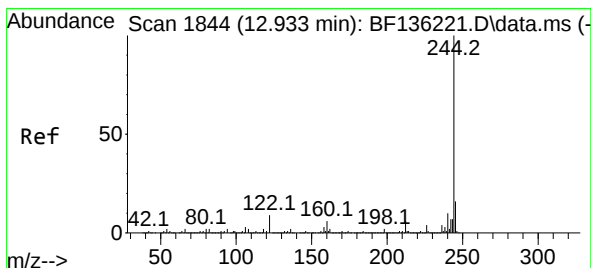
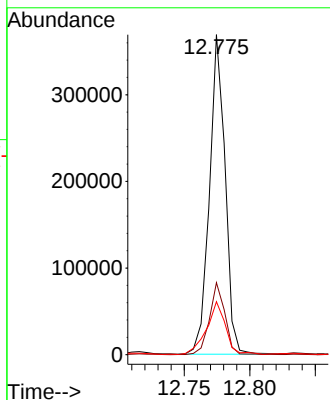
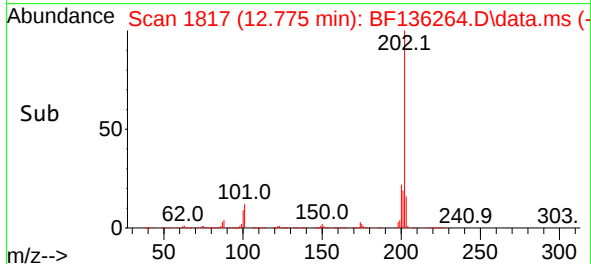
Instrument :
BNA_F
ClientSampleId :
TP-D



Tgt Ion:202 Resp: 306949
Ion Ratio Lower Upper
202 100
200 22.5 18.4 27.6
203 16.6 11.8 17.6

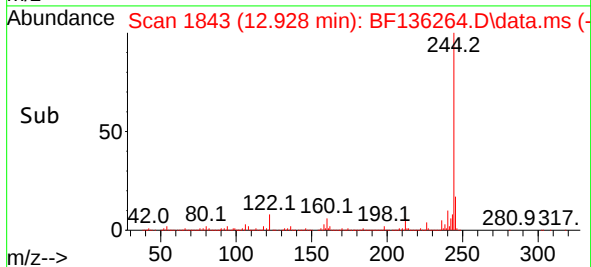
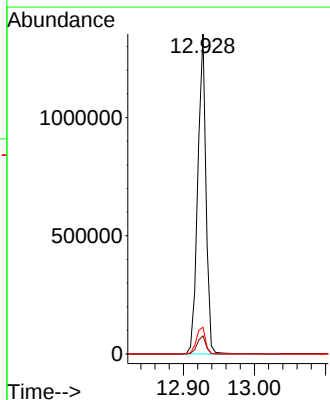
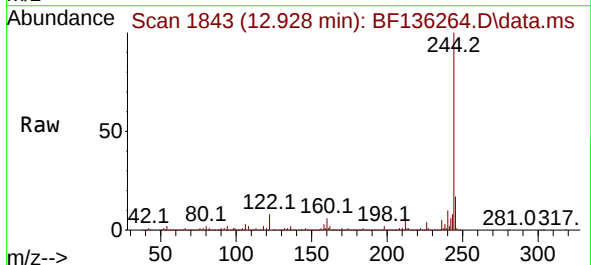
Manual Integrations
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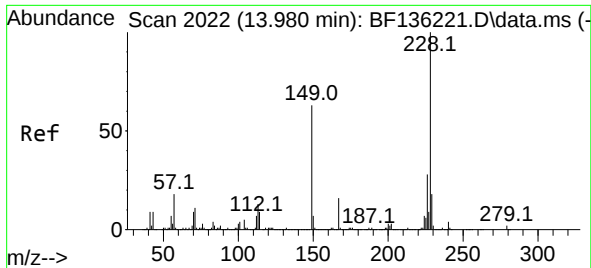
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#79
Terphenyl-d14
Concen: 47.549 ng
RT: 12.928 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:244 Resp: 1088101
Ion Ratio Lower Upper
244 100
212 5.7 4.6 7.0
122 8.4 7.3 10.9





#81
Benzo(a)anthracene
Concen: 8.768 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

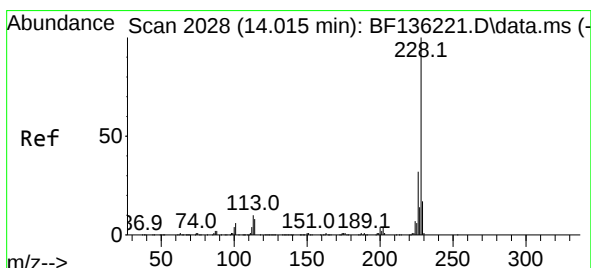
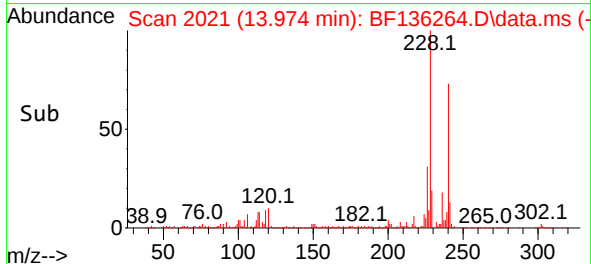
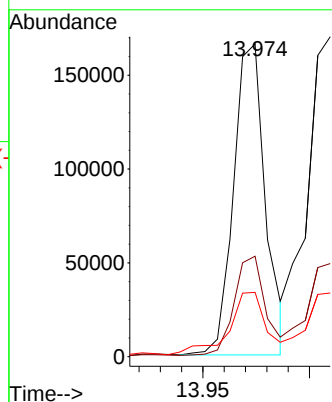
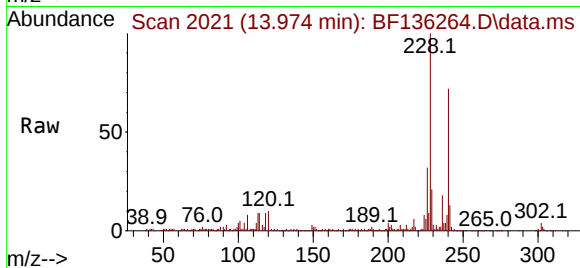
ClientSampleId :

TP-D

Tgt Ion:228 Resp: 171898
Ion Ratio Lower Upper
228 100
226 32.1 22.6 34.0
229 20.6 14.0 21.0

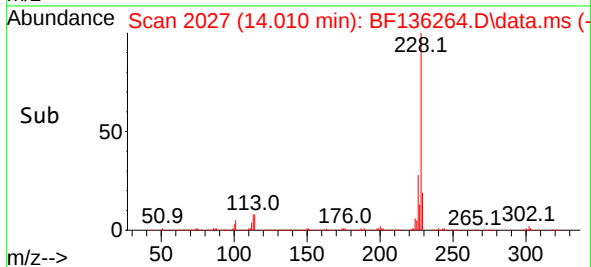
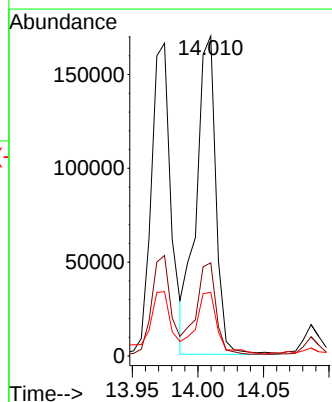
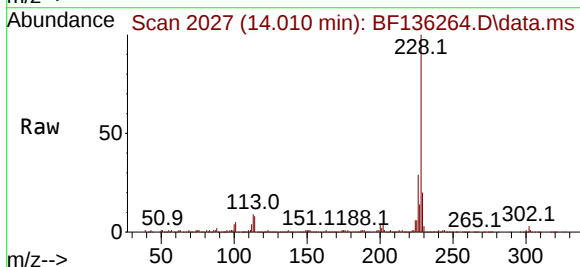
Manual Integrations
APPROVED

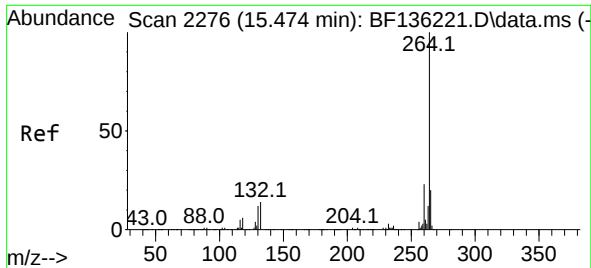
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#83
Chrysene
Concen: 9.419 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

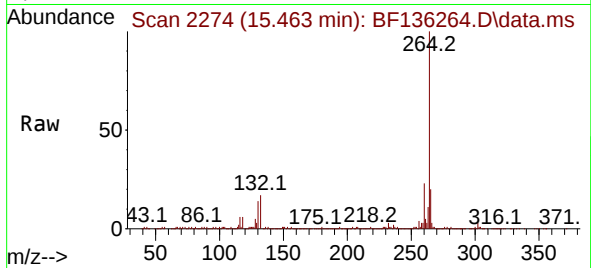
Tgt Ion:228 Resp: 178303
Ion Ratio Lower Upper
228 100
226 29.1 25.5 38.3
229 19.9 13.9 20.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

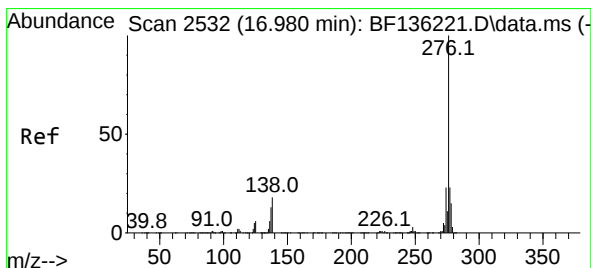
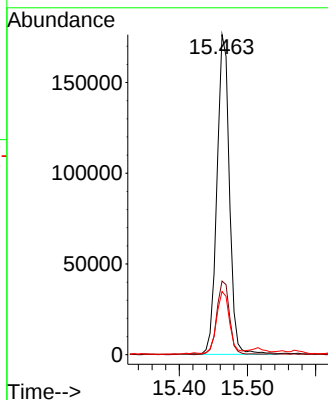
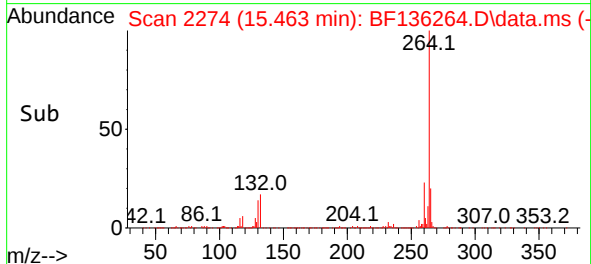
Instrument :
BNA_F
ClientSampleId :
TP-D



Tgt Ion:264 Resp: 224658
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 19.8 15.7 23.5

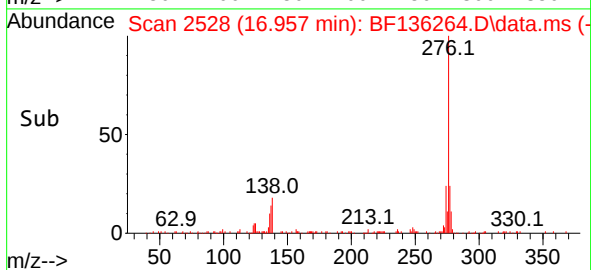
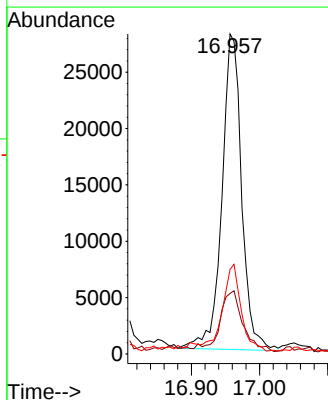
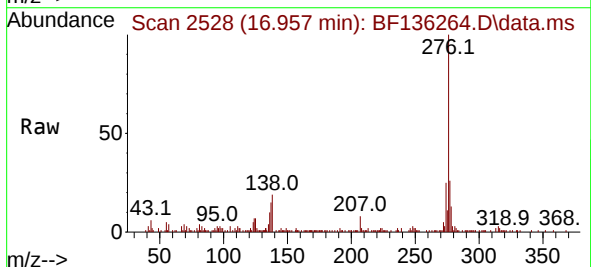
Manual Integrations
APPROVED

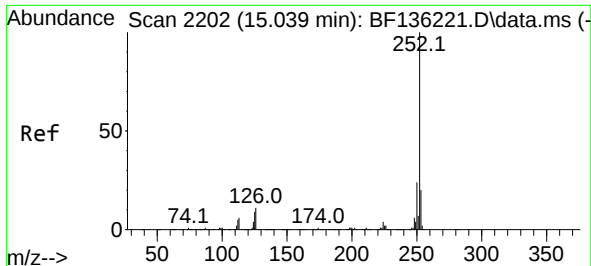
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.852 ng
RT: 16.957 min Scan# 2528
Delta R.T. -0.023 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:276 Resp: 56423
Ion Ratio Lower Upper
276 100
138 22.5 17.7 26.5
277 25.7 19.6 29.4





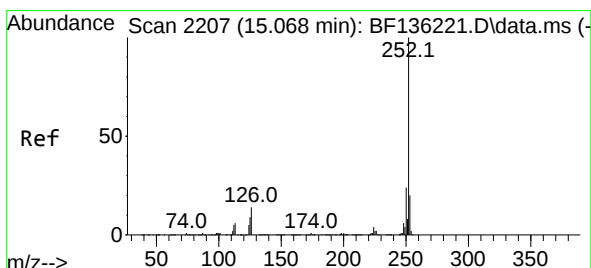
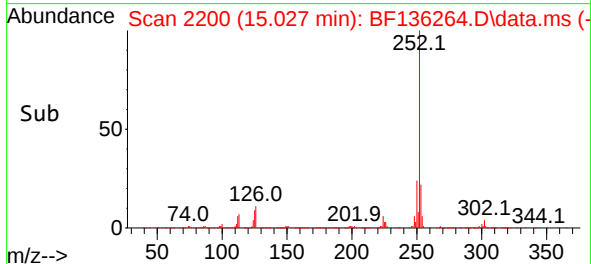
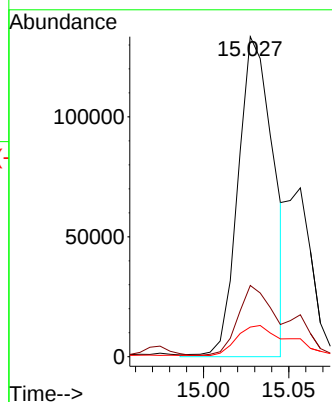
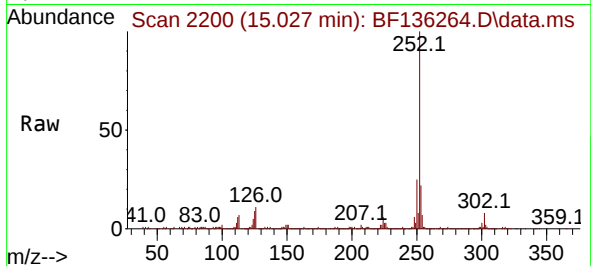
#88
Benzo(b)fluoranthene
Concen: 12.138 ng m
RT: 15.027 min Scan# 210
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Instrument :
BNA_F
ClientSampleId :
TP-D

Tgt Ion:252 Resp: 19132
Ion Ratio Lower Upper
252 100
253 22.2 16.2 24.2
125 9.2 6.9 10.3

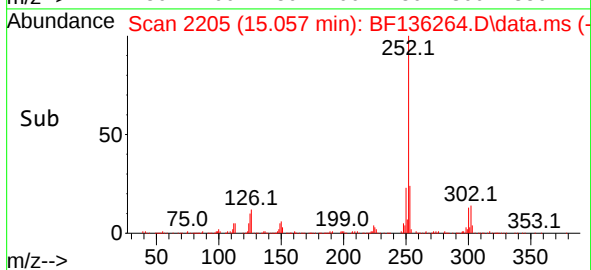
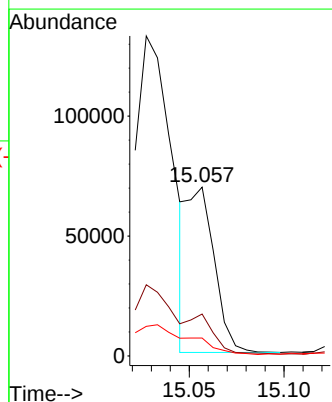
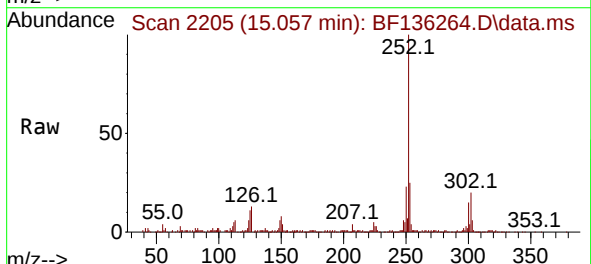
Manual Integrations
APPROVED

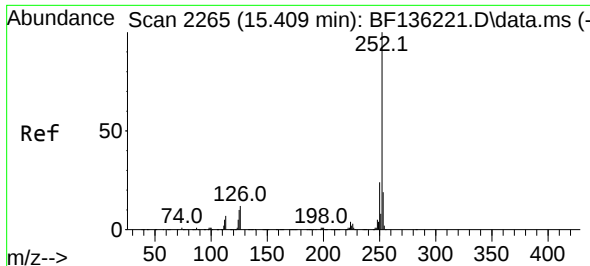
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#89
Benzo(k)fluoranthene
Concen: 4.528 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.011 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:252 Resp: 67786
Ion Ratio Lower Upper
252 100
253 24.8 15.6 23.4#
125 10.6 7.0 10.4#





#90
Benzo(a)pyrene
Concen: 8.988 ng
RT: 15.398 min Scan# 211
Delta R.T. -0.011 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

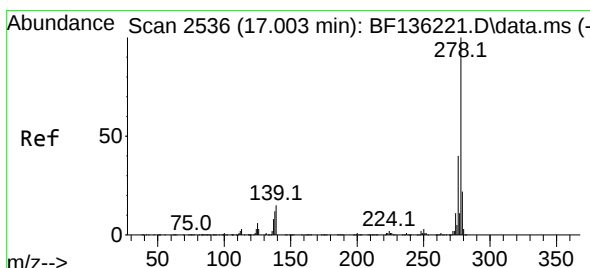
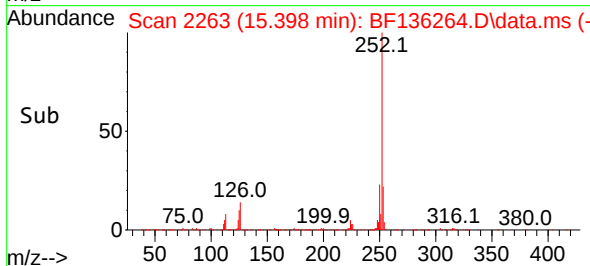
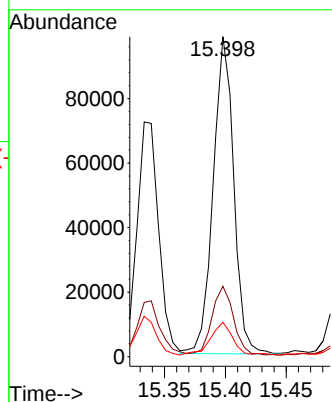
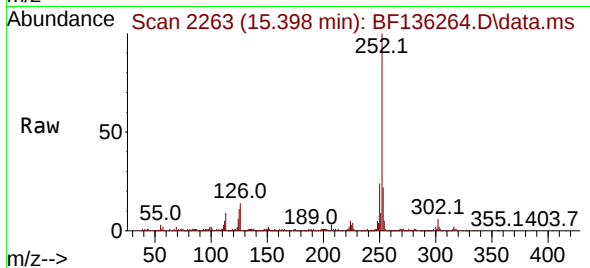
TP-D

Tgt Ion:252 Resp: 115812
Ion Ratio Lower Upper
252 100
253 22.0 15.5 23.3
125 10.8 7.9 11.9

Manual Integrations

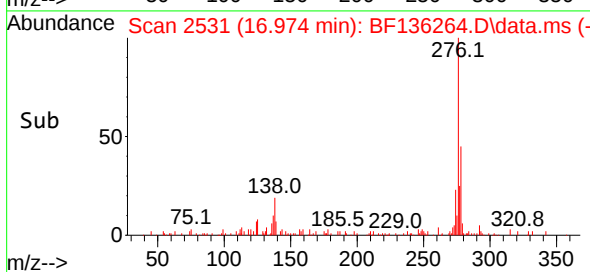
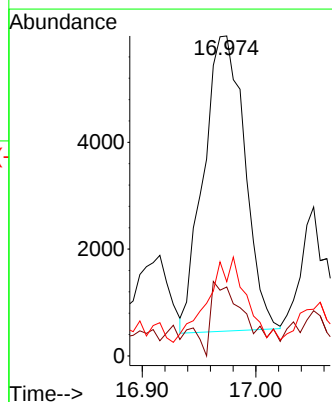
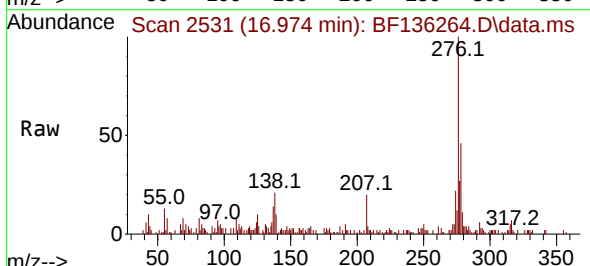
APPROVED

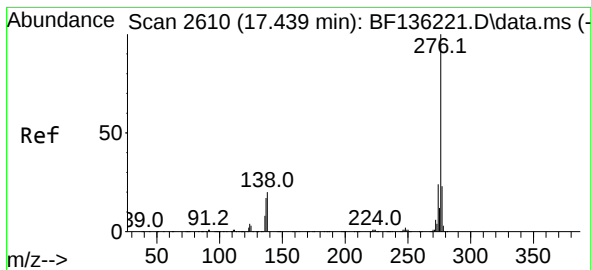
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.687 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.029 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

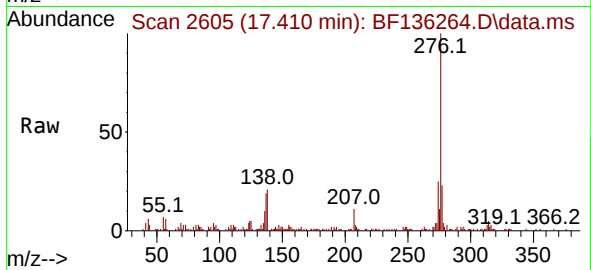
Tgt Ion:278 Resp: 13906
Ion Ratio Lower Upper
278 100
139 21.5 11.7 17.5#
279 23.2 17.8 26.8





#92
Benzo(g,h,i)perylene
Concen: 5.779 ng
RT: 17.410 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Instrument :
BNA_F
ClientSampleId :
TP-D



Tgt Ion:276 Resp: 5461
Ion Ratio Lower Upper
276 100
277 22.7 18.6 27.8
138 21.1 15.8 23.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

