

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138790.D
 Acq On : 05 Aug 2024 17:35
 Operator : RC/JU
 Sample : P3441-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-08012024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 05 17:59:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	41049	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	149415	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	64127	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	91322	20.000	ng	0.00
76) Chrysene-d12	14.004	240	57572	20.000	ng	0.00
86) Perylene-d12	15.474	264	46847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	215381	80.994	ng	0.00
7) Phenol-d6	6.487	99	271455	76.032	ng	0.00
23) Nitrobenzene-d5	7.410	82	170042	55.641	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	39089	74.415	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	278468	65.245	ng	0.00
79) Terphenyl-d14	12.945	244	224020	65.148	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.580	202	18437	4.200	ng	98
78) Pyrene	12.810	202	20431	3.769	ng	98
81) Benzo(a)anthracene	13.992	228	9480	2.391	ng	# 95
83) Chrysene	14.027	228	9450	2.642	ng	# 89
88) Benzo(b)fluoranthene	15.045	252	9883m	3.403	ng	
90) Benzo(a)pyrene	15.410	252	6404	2.622	ng	# 84

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

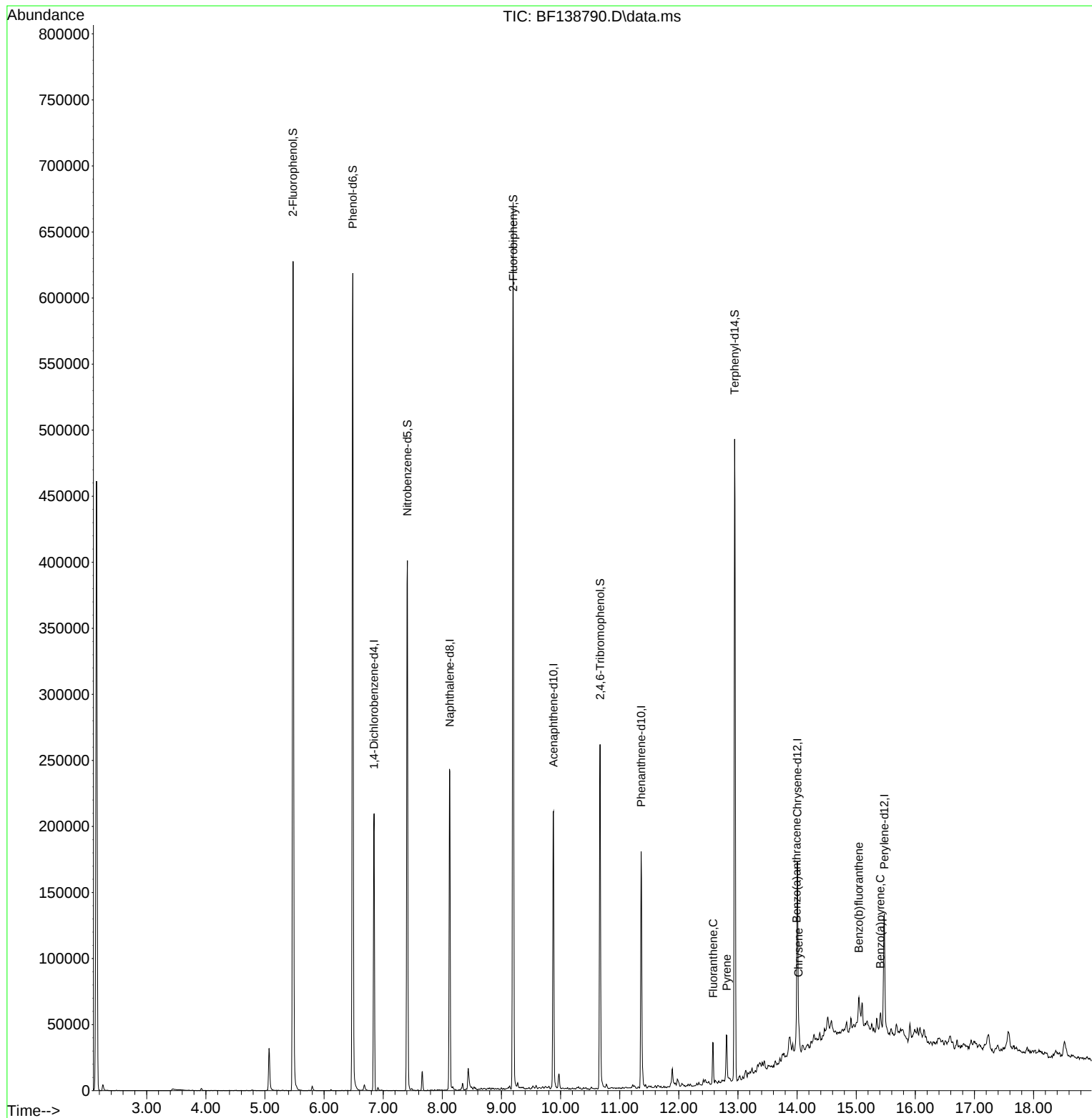
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
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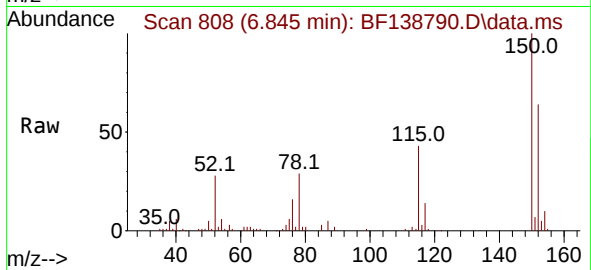
Quant Time: Aug 05 17:59:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

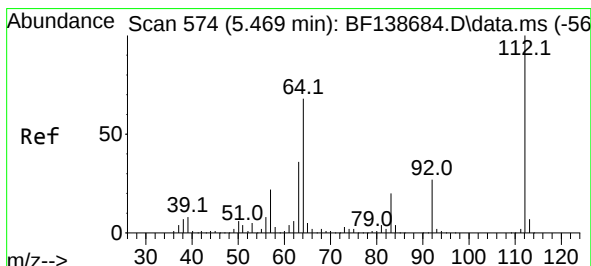
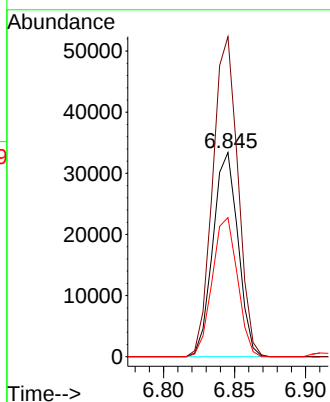
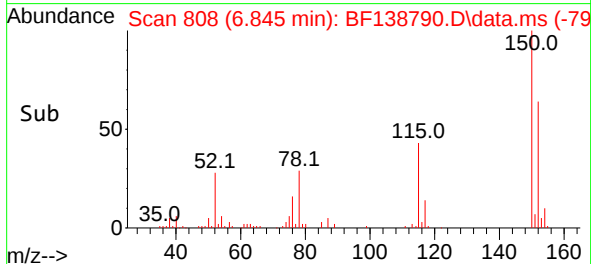
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024



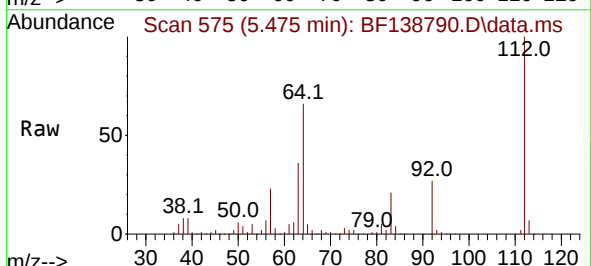
Tgt Ion:152 Resp: 41049
Ion Ratio Lower Upper
152 100
150 156.7 126.0 189.0
115 68.1 51.7 77.5

Manual Integrations
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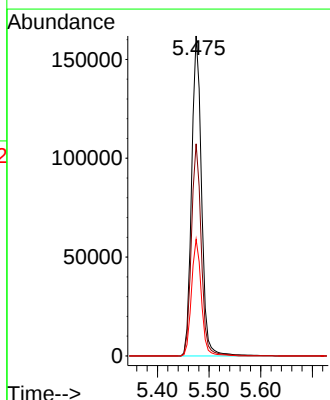
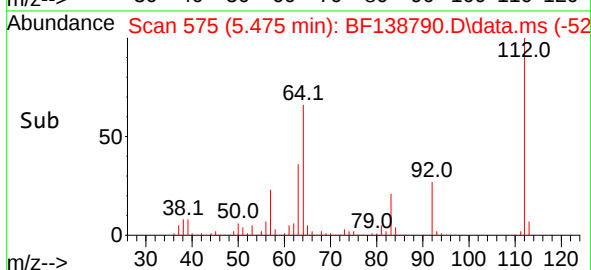
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 80.994 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35



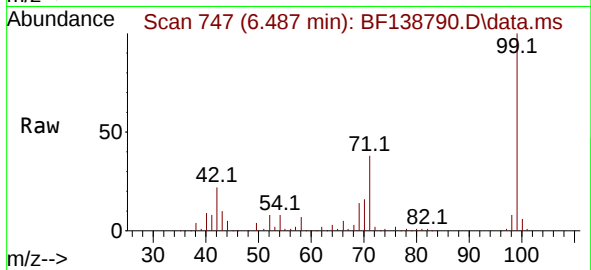
Tgt Ion:112 Resp: 215381
Ion Ratio Lower Upper
112 100
64 66.3 54.2 81.4
63 36.4 28.7 43.1





#7
Phenol-d6
Concen: 76.032 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

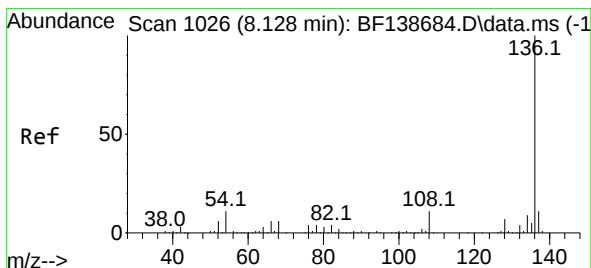
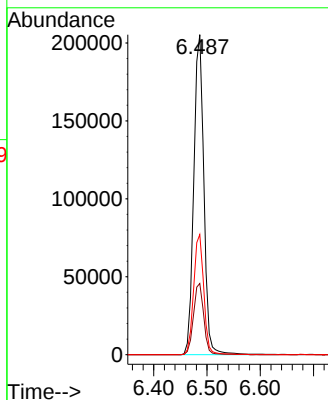
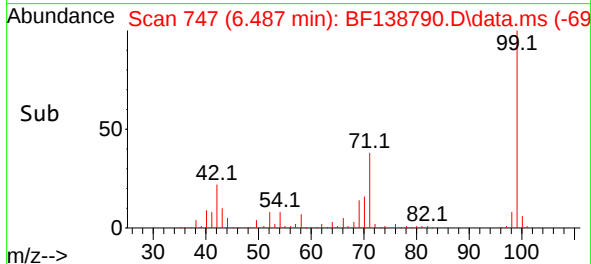
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024



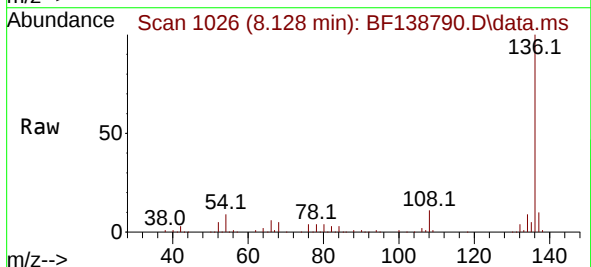
Tgt Ion: 99 Resp: 27145
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.0
71 37.5 28.1 42.1

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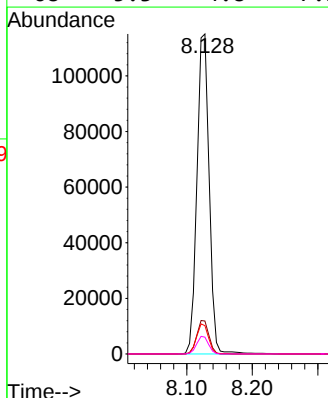
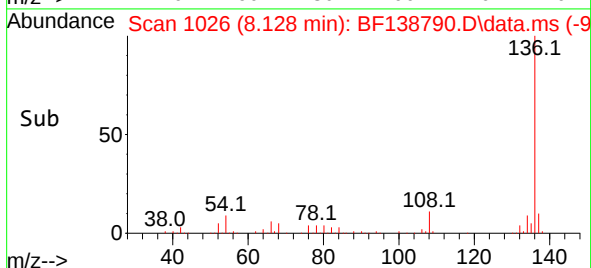
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35



Tgt Ion:136 Resp: 149415
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 8.9 8.6 12.8
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 55.641 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024

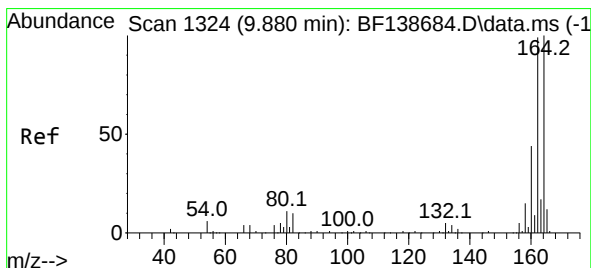
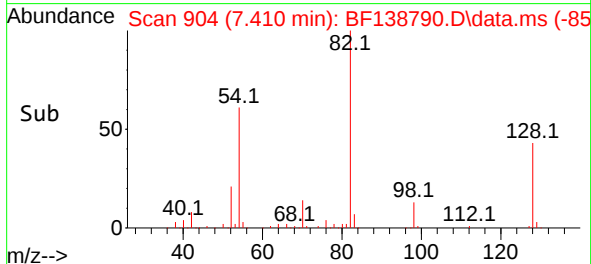
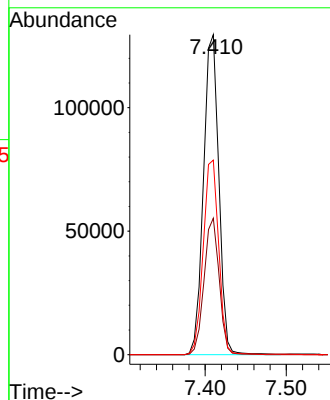
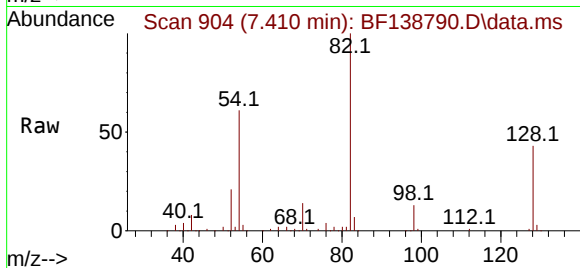
Tgt Ion: 82 Resp: 17004

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.8	49.2
54	60.8	48.3	72.5

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Supervised By :mohammad ahmed 08/07/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1324

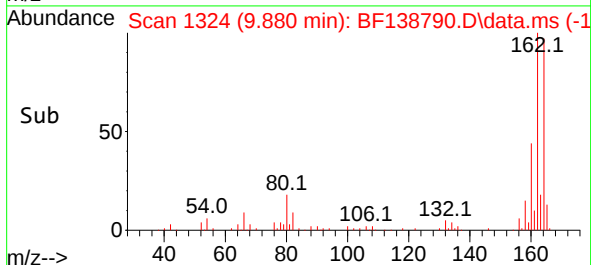
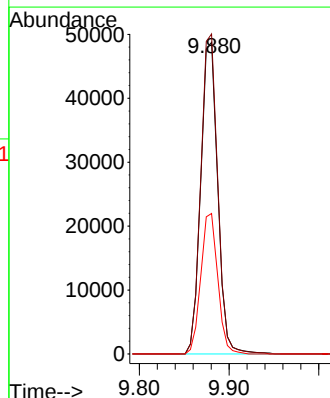
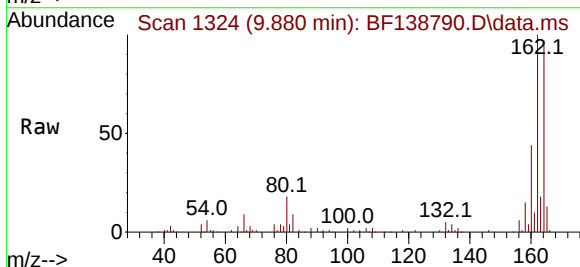
Delta R.T. 0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Tgt Ion:164 Resp: 64127

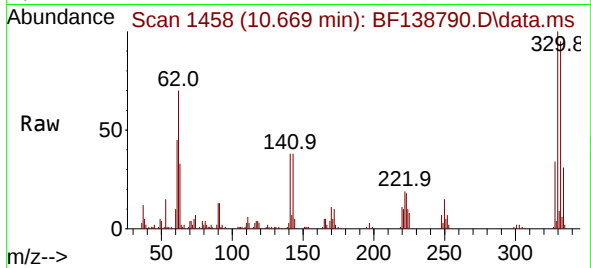
Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.4	119.0
160	45.1	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 74.415 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

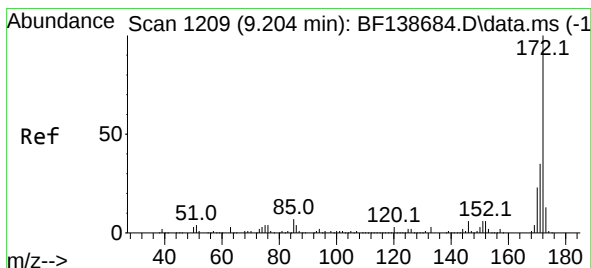
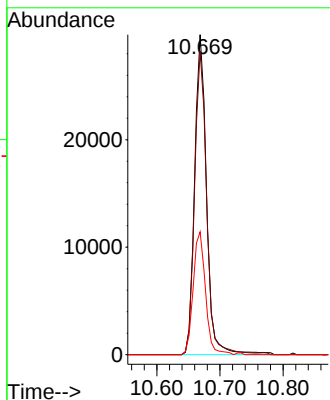
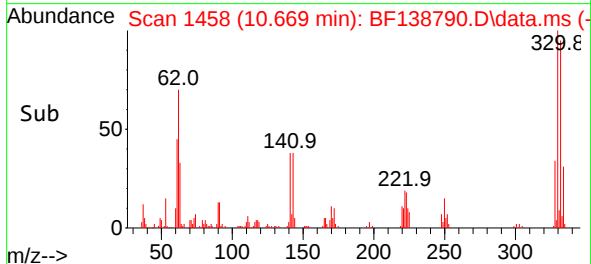
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024



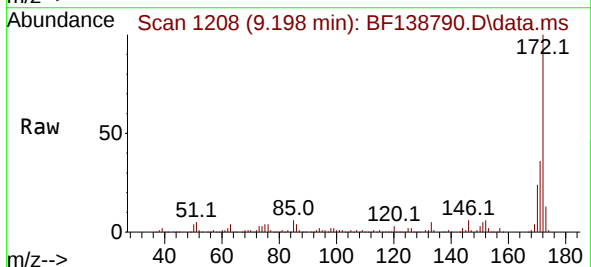
Tgt Ion: 330 Resp: 39089
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 39.4 31.1 46.7

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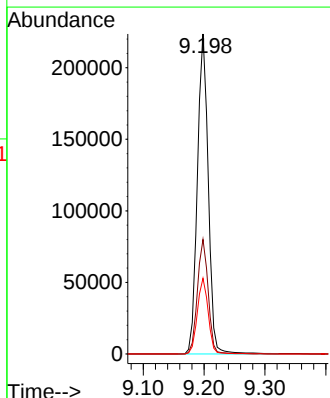
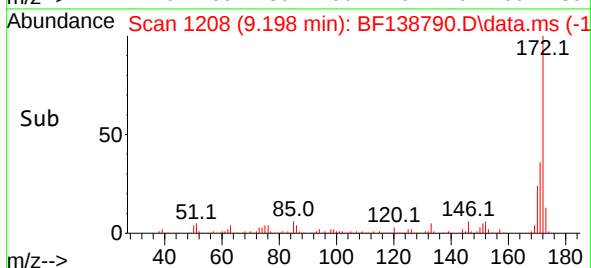
Reviewed By : Jagrut Upadhyay 08/06/2024
Supervised By : mohammad ahmed 08/07/2024

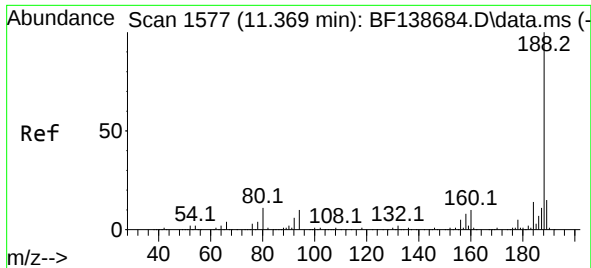


#45
2-Fluorobiphenyl
Concen: 65.245 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35



Tgt Ion: 172 Resp: 278468
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.6 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

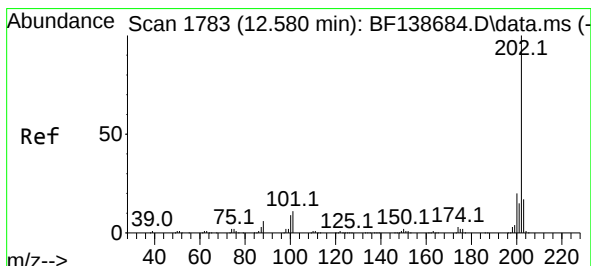
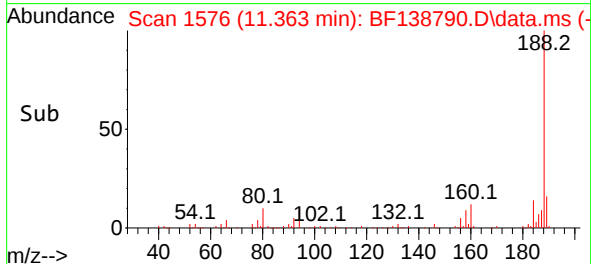
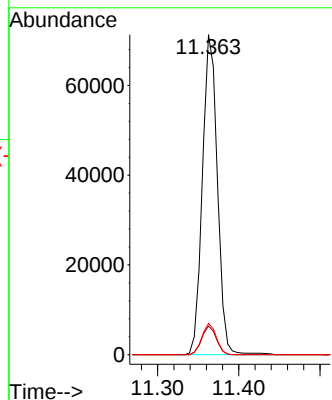
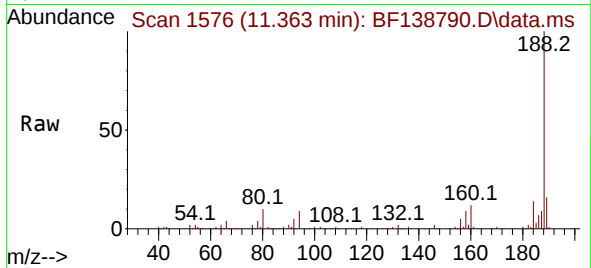
BU-02-08012024

Tgt Ion:188 Resp: 9132
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.7 8.6 12.8

Manual Integrations

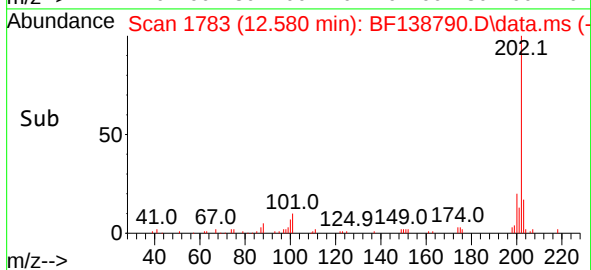
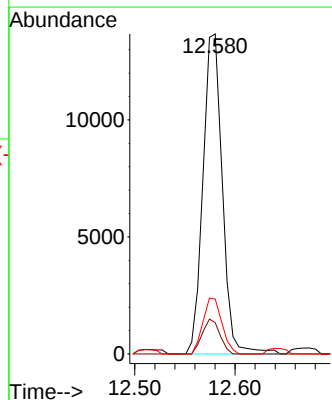
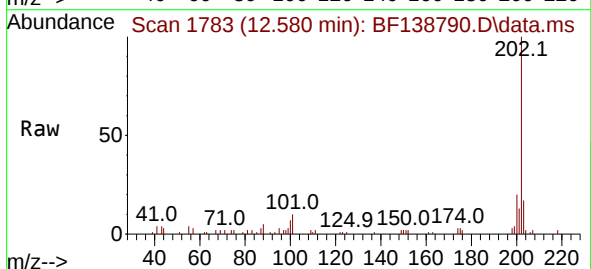
APPROVED

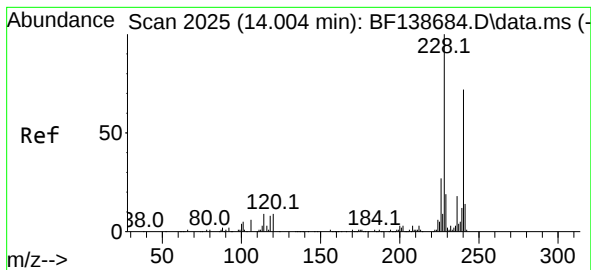
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#75
Fluoranthene
Concen: 4.200 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion:202 Resp: 18437
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

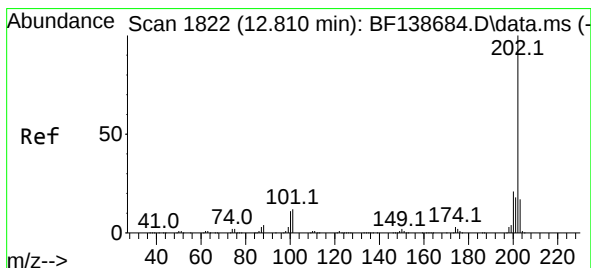
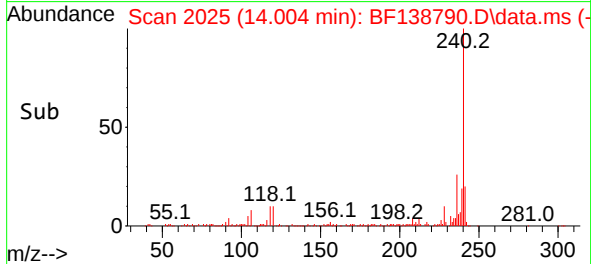
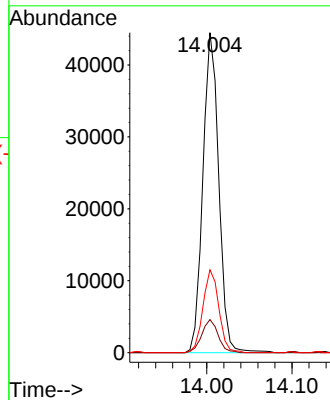
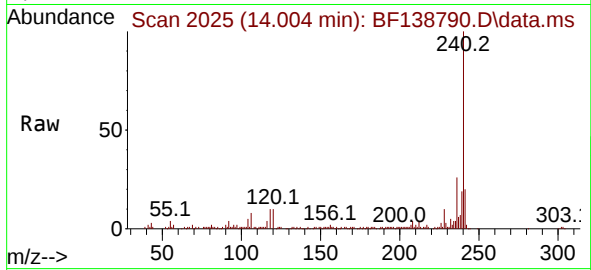
BU-02-08012024

Tgt Ion:	240	Resp:	5757
Ion Ratio	Lower	Upper	
240	100		
120	10.4	10.2	15.4
236	25.9	19.8	29.8

Manual Integrations

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#78

Pyrene

Concen: 3.769 ng

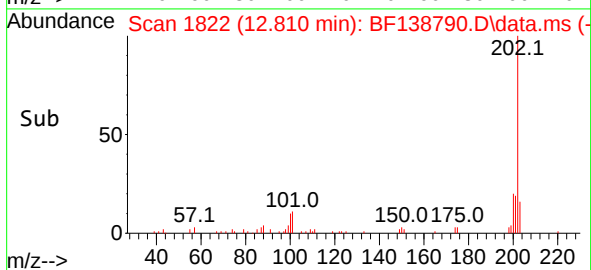
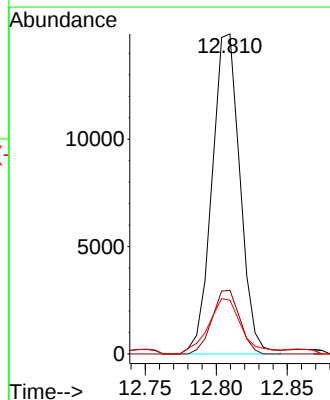
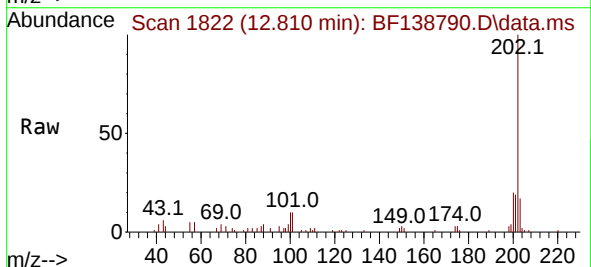
RT: 12.810 min Scan# 1822

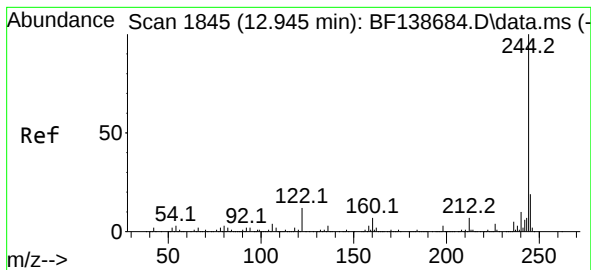
Delta R.T. -0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Tgt Ion:	202	Resp:	20431
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.8	25.2
203	16.8	13.8	20.6





#79

Terphenyl-d14

Concen: 65.148 ng

RT: 12.945 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF138790.D

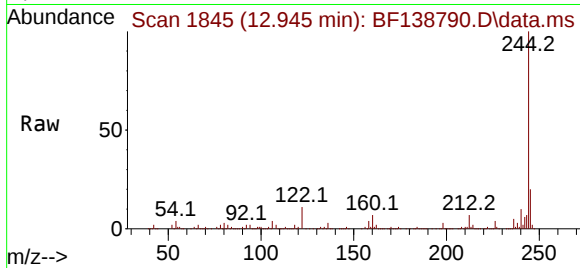
Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

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BU-02-08012024

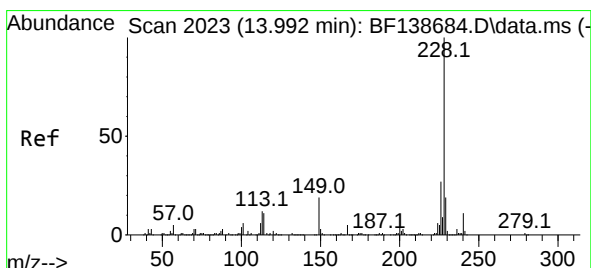
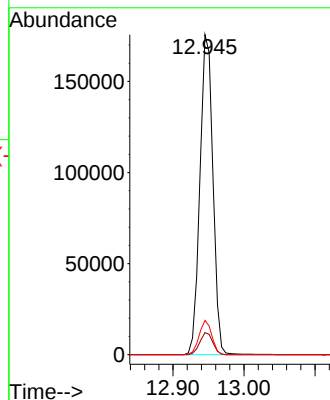
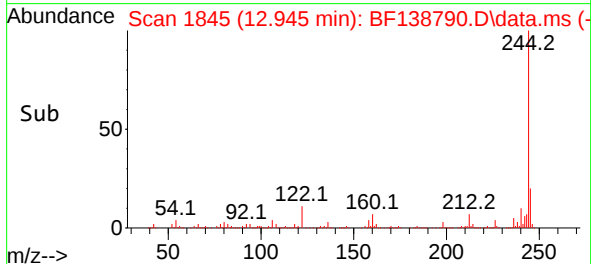


Tgt Ion:	244	Resp:	224020
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.2
122	10.7	9.6	14.4

Manual Integrations

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Supervised By :mohammad ahmed 08/07/2024



#81

Benzo(a)anthracene

Concen: 2.391 ng

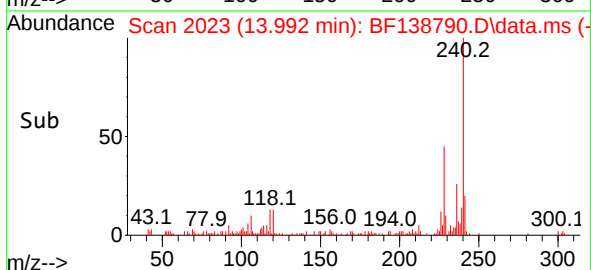
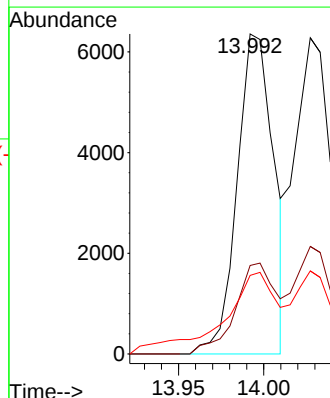
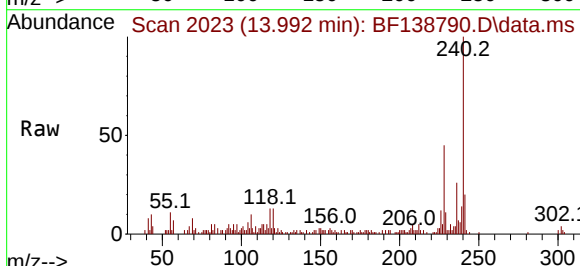
RT: 13.992 min Scan# 2023

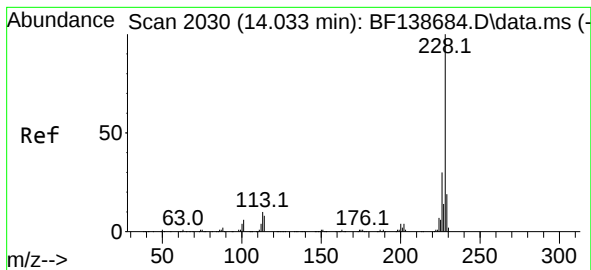
Delta R.T. -0.000 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Tgt Ion:	228	Resp:	9480
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.1	33.1
229	24.5	15.4	23.0





#83

Chrysene

Concen: 2.642 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Instrument :

BNA_F

ClientSampleId :

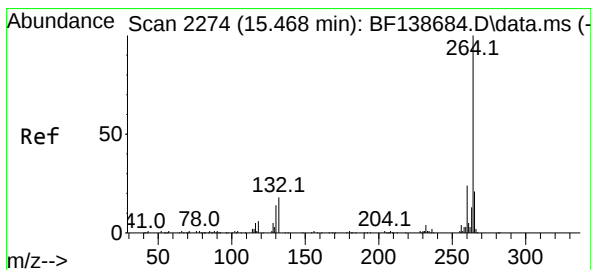
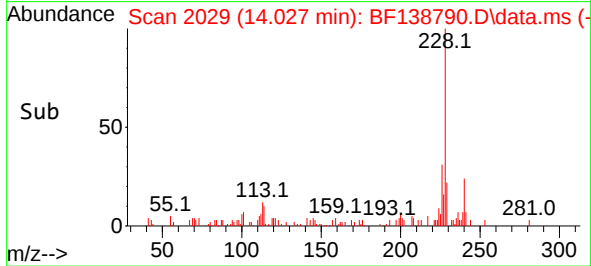
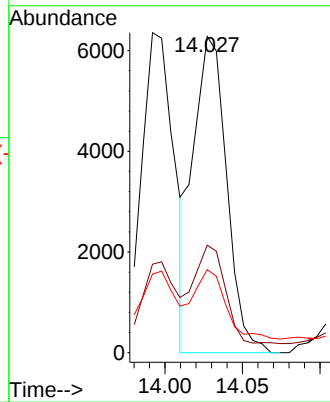
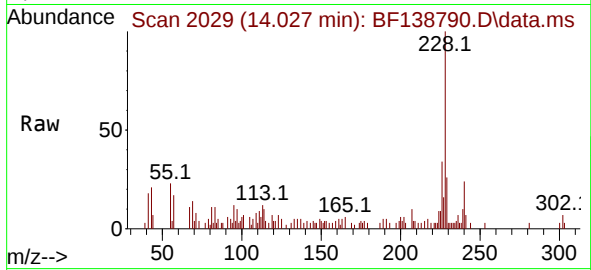
BU-02-08012024

Tgt Ion:	228	Resp:	9450
Ion Ratio	Lower	Upper	
228	100		
226	34.0	23.7	35.5
229	26.3	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#86

Perylene-d12

Concen: 20.000 ng

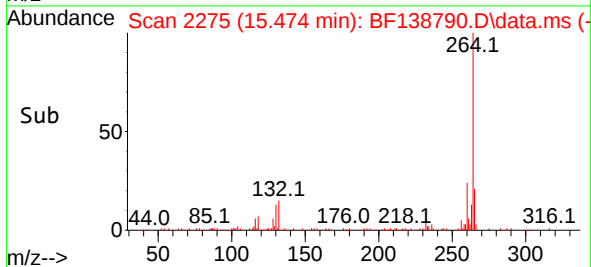
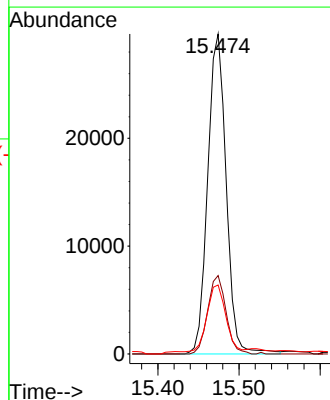
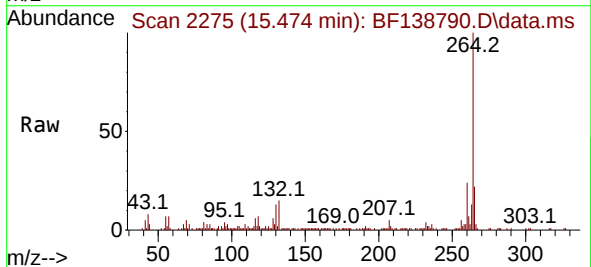
RT: 15.474 min Scan# 2275

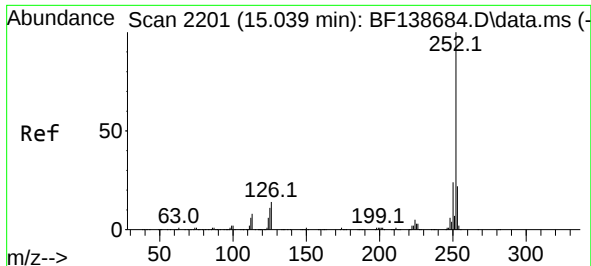
Delta R.T. 0.006 min

Lab File: BF138790.D

Acq: 05 Aug 2024 17:35

Tgt Ion:	264	Resp:	46847
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.0	28.6
265	21.5	17.0	25.6





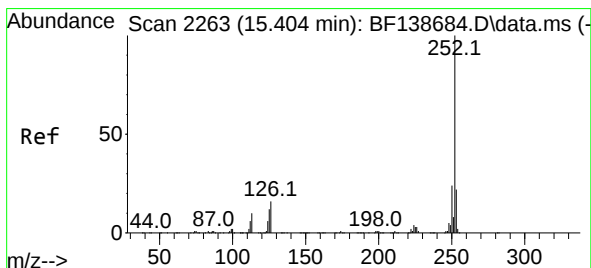
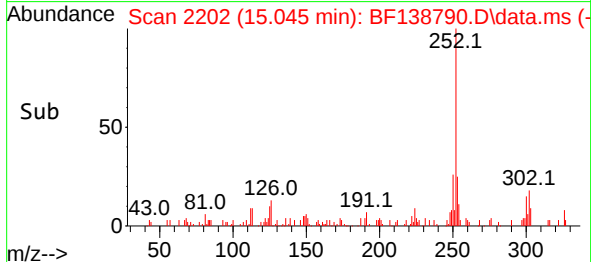
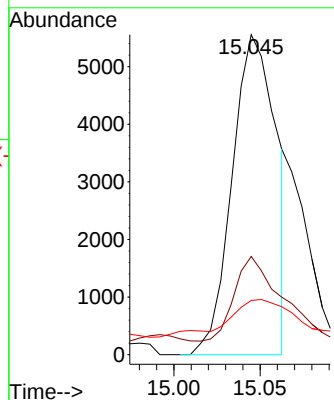
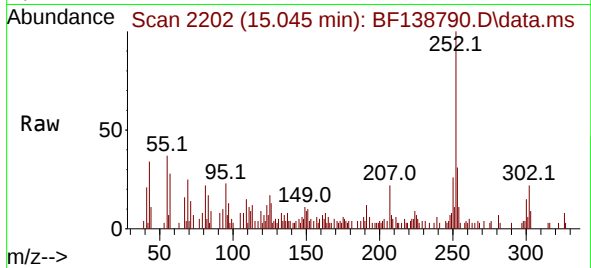
#88
Benzo(b)fluoranthene
Concen: 3.403 ng m
RT: 15.045 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024

Tgt Ion:252 Resp: 988
Ion Ratio Lower Upper
252 100
253 30.7 17.5 26.3
125 17.0 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#90
Benzo(a)pyrene
Concen: 2.622 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138790.D
Acq: 05 Aug 2024 17:35

Tgt Ion:252 Resp: 6404
Ion Ratio Lower Upper
252 100
253 27.8 17.3 25.9#
125 19.9 9.5 14.3#

