

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140525.D
 Acq On : 21 Nov 2024 02:35
 Operator : RC/JU
 Sample : P4916-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WC

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 03:41:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	67130	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	212710	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	106740	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	216797	20.000	ng	0.00
76) Chrysene-d12	14.045	240	130469	20.000	ng	0.00
86) Perylene-d12	15.545	264	97922	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	272863	69.400	ng	0.01
7) Phenol-d6	6.510	99	323411	60.713	ng	0.00
23) Nitrobenzene-d5	7.434	82	201072	49.252	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	79547	74.942	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	366035	55.126	ng	0.00
79) Terphenyl-d14	12.986	244	447746	59.569	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	30566	3.001	ng	99
75) Fluoranthene	12.616	202	79977	7.000	ng	97
78) Pyrene	12.845	202	84992	7.616	ng	98
81) Benzo(a)anthracene	14.039	228	29132	3.397	ng	# 86
83) Chrysene	14.069	228	35499	4.537	ng	# 91
88) Benzo(b)fluoranthene	15.104	252	28100m	4.387	ng	
90) Benzo(a)pyrene	15.474	252	18544	3.728	ng	# 80
92) Benzo(g,h,i)perylene	17.504	276	11883	2.325	ng	# 82

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

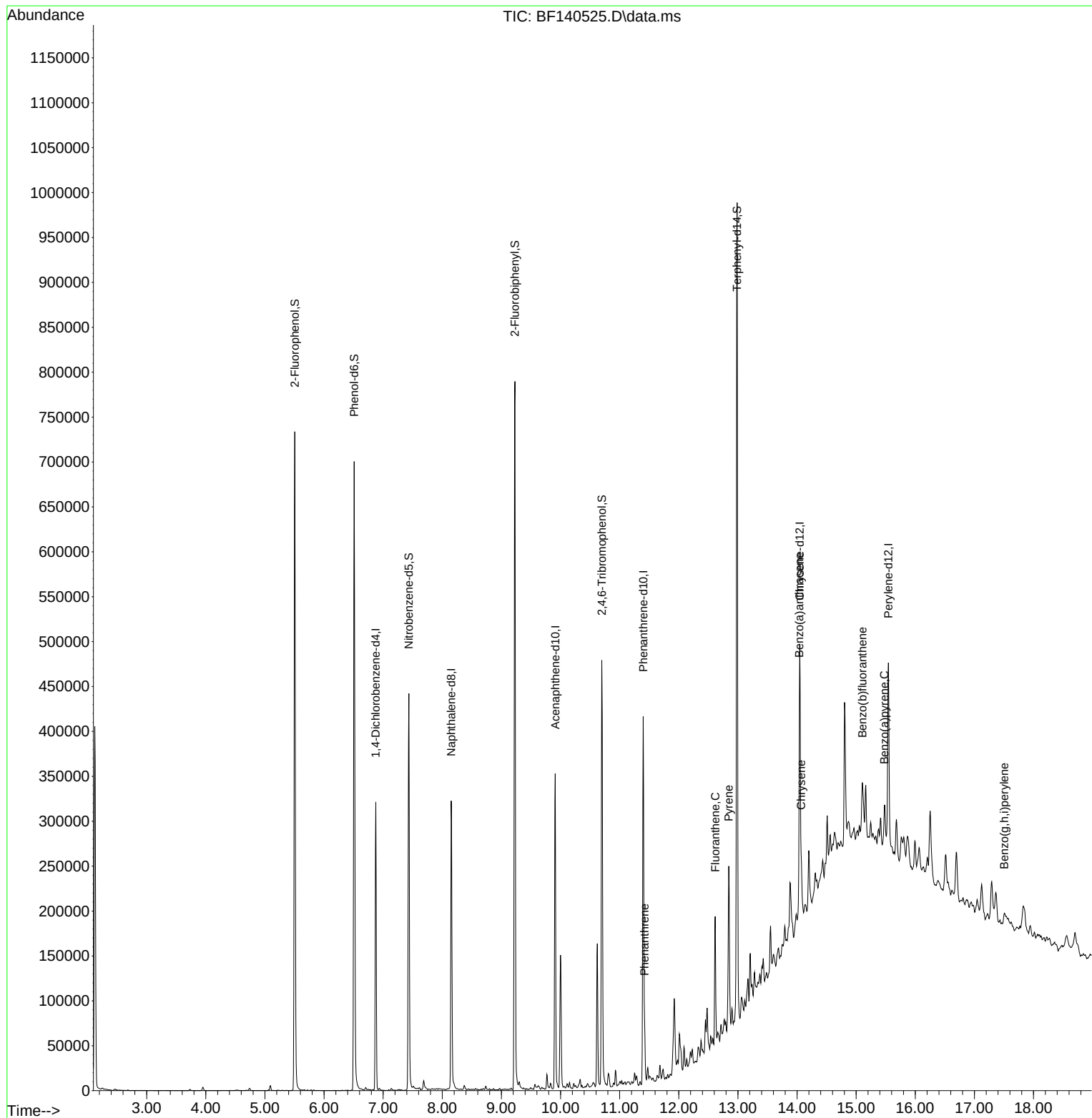
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140525.D
Acq On : 21 Nov 2024 02:35
Operator : RC/JU
Sample : P4916-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

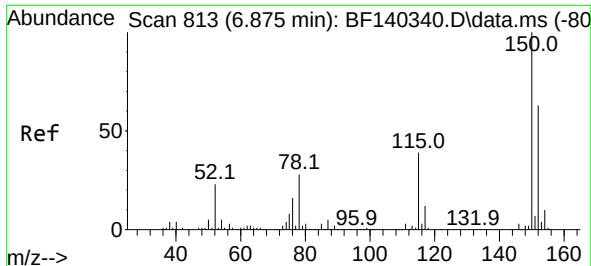
Instrument :
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ClientSampleId :
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Quant Time: Nov 21 03:41:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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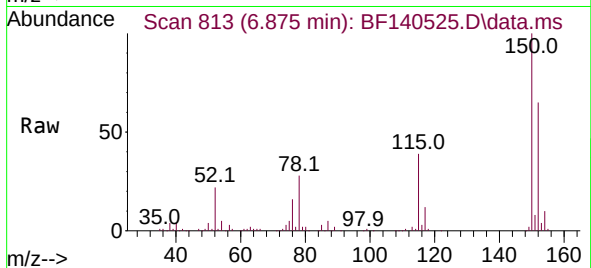
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

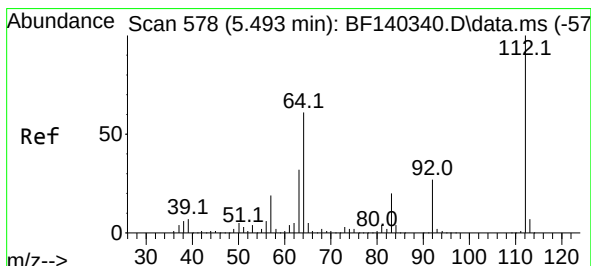
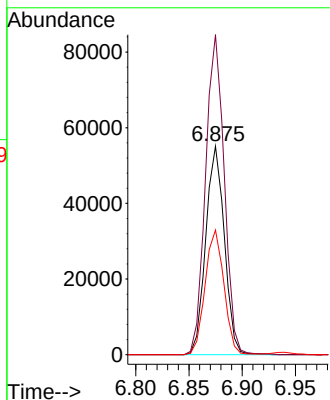
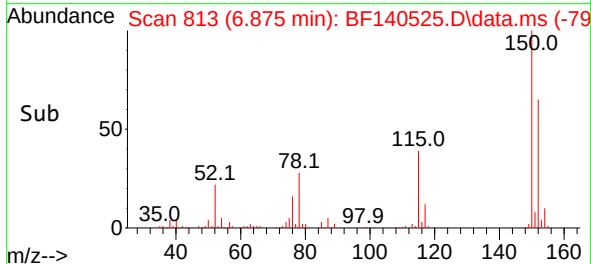
Instrument :
BNA_F
ClientSampleId :
TP-2-WC



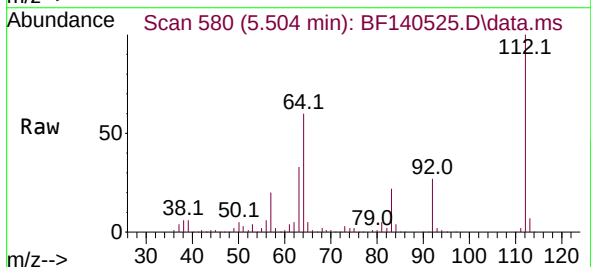
Tgt Ion:152 Resp: 67130
Ion Ratio Lower Upper
152 100
150 153.5 127.4 191.0
115 59.8 47.4 71.2

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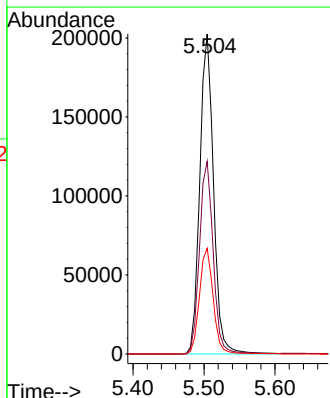
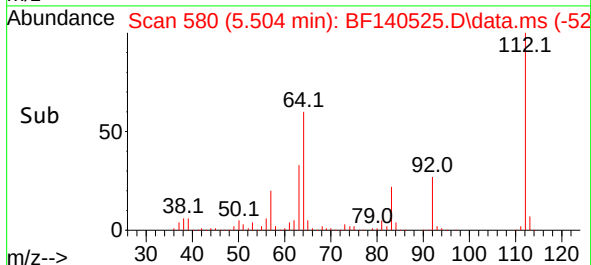
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

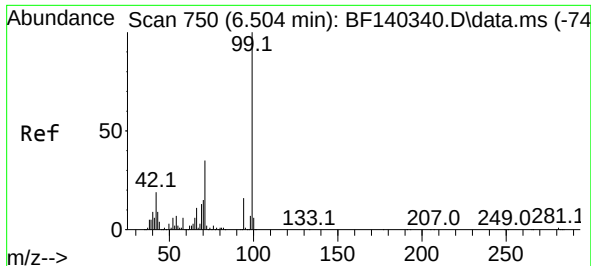


#5
2-Fluorophenol
Concen: 69.400 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35



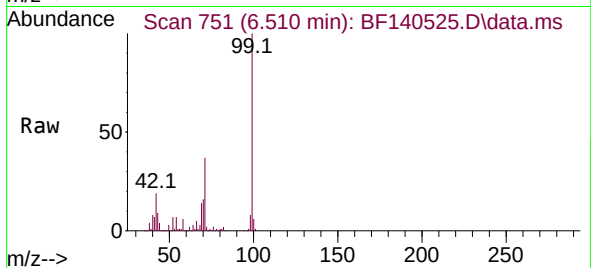
Tgt Ion:112 Resp: 272863
Ion Ratio Lower Upper
112 100
64 60.2 49.2 73.8
63 33.0 25.6 38.4





#7
Phenol-d6
Concen: 60.713 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

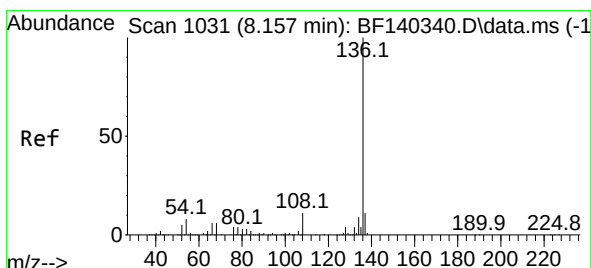
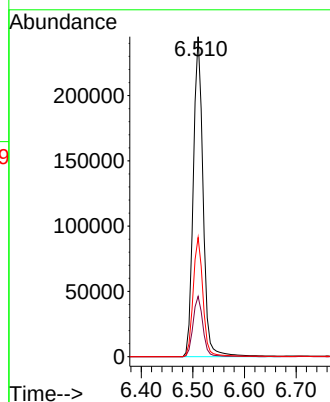
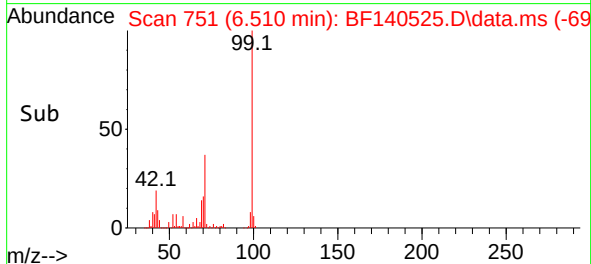
Instrument :
BNA_F
ClientSampleId :
TP-2-WC



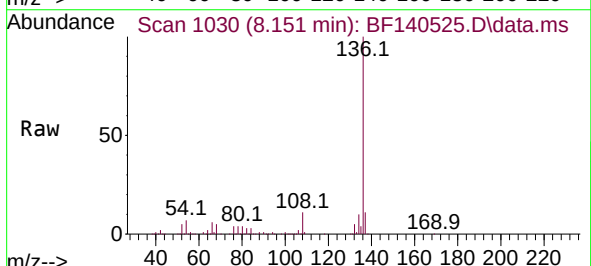
Tgt Ion: 99 Resp: 32341
Ion Ratio Lower Upper
99 100
42 18.9 15.1 22.7
71 37.3 27.9 41.9

Manual Integrations
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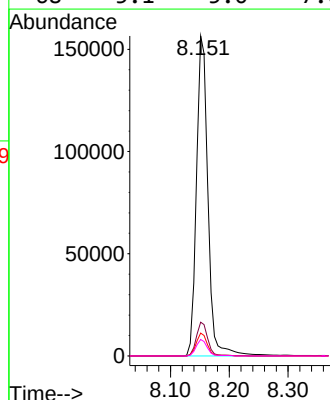
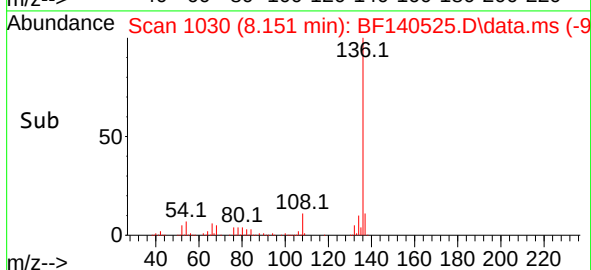
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

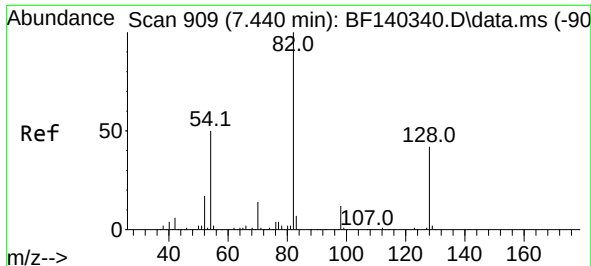


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35



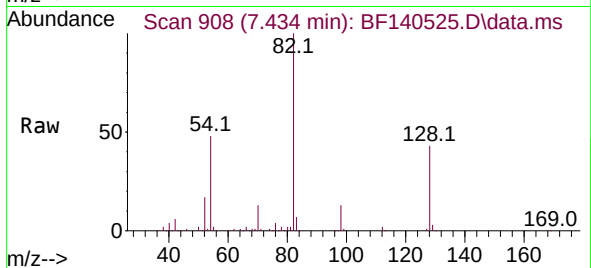
Tgt Ion:136 Resp: 212710
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.1 6.5 9.7
68 5.1 5.0 7.6





#23
Nitrobenzene-d5
Concen: 49.252 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

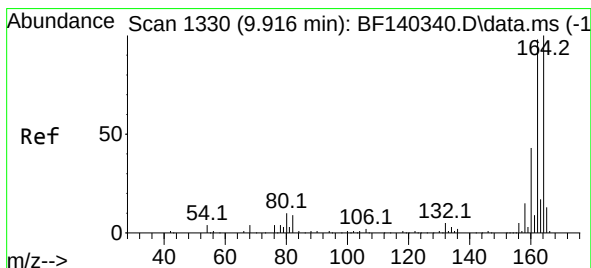
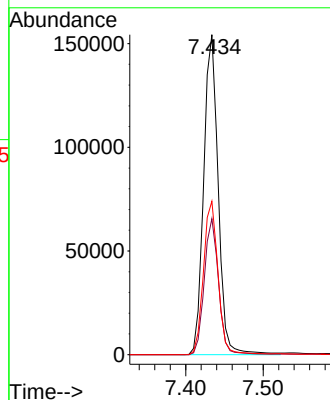
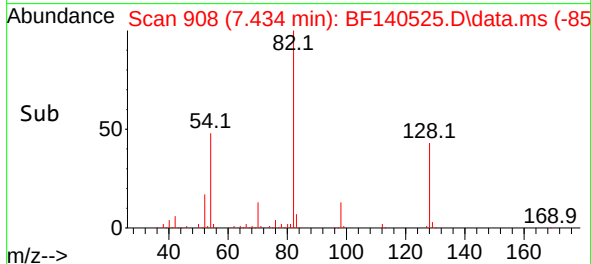
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 201072
Ion Ratio Lower Upper
82 100
128 42.5 33.3 49.9
54 48.0 39.8 59.8

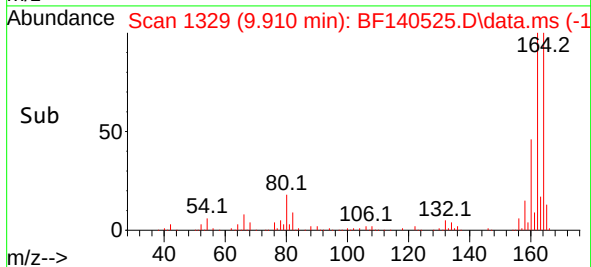
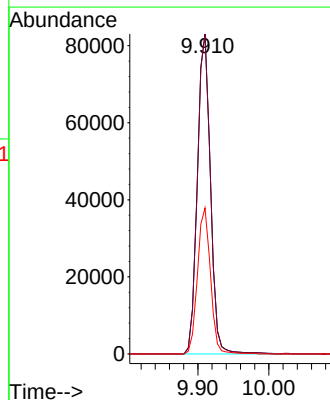
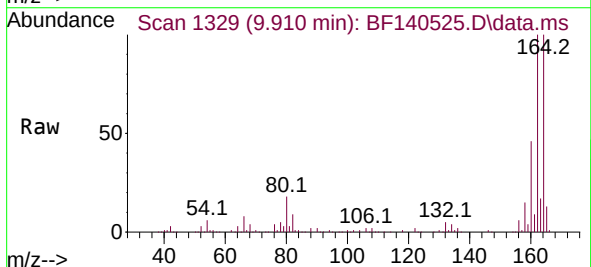
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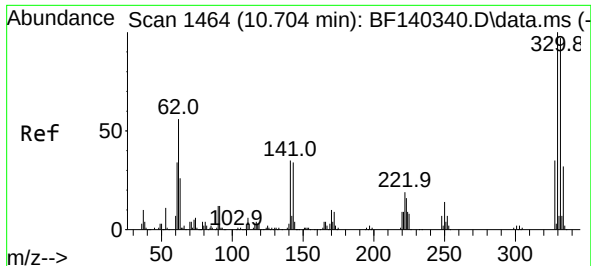
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

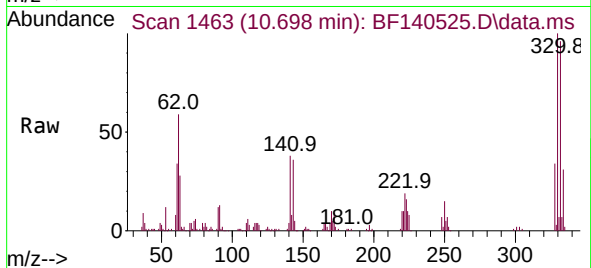
Tgt Ion:164 Resp: 106740
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.8
160 45.6 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 74.942 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

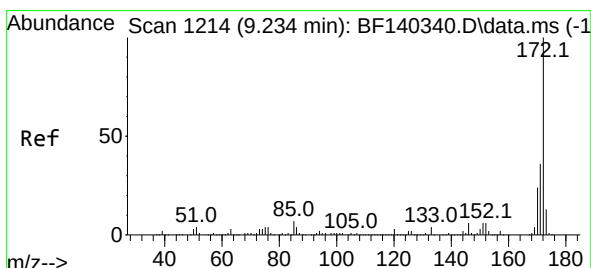
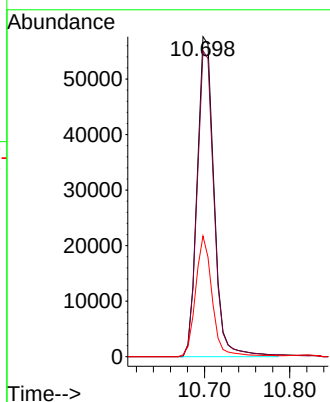
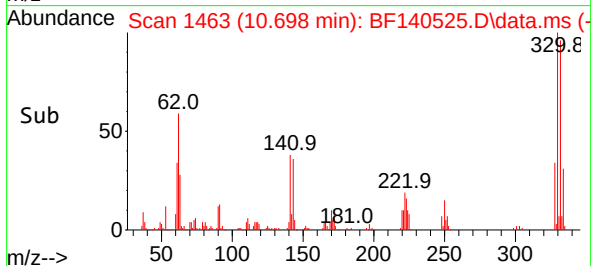
Instrument :
BNA_F
ClientSampleId :
TP-2-WC



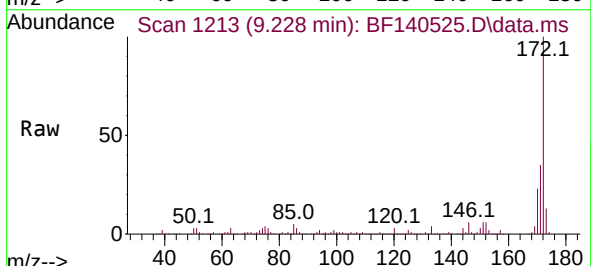
Tgt Ion: 330 Resp: 7954
Ion Ratio Lower Upper
330 100
332 96.7 75.9 113.9
141 37.1 26.9 40.3

Manual Integrations
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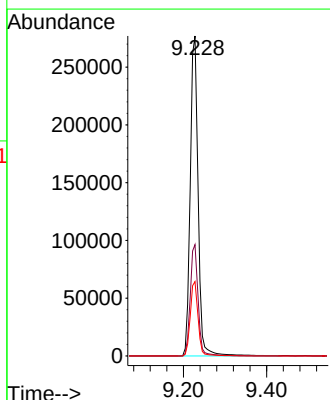
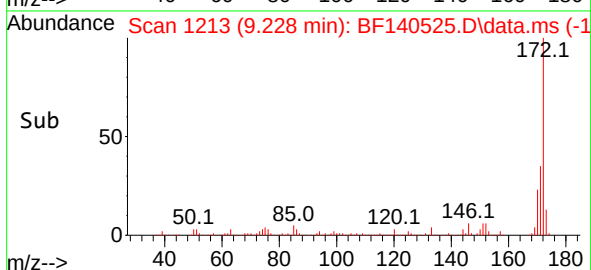
Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/22/2024

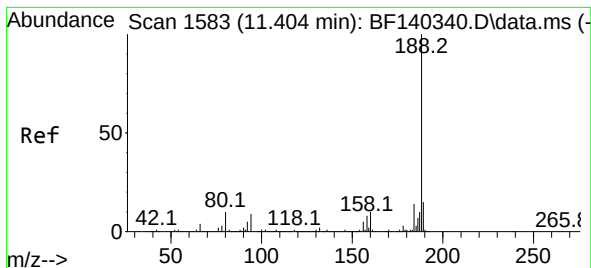


#45
2-Fluorobiphenyl
Concen: 55.126 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35



Tgt Ion: 172 Resp: 366035
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 23.2 19.1 28.7





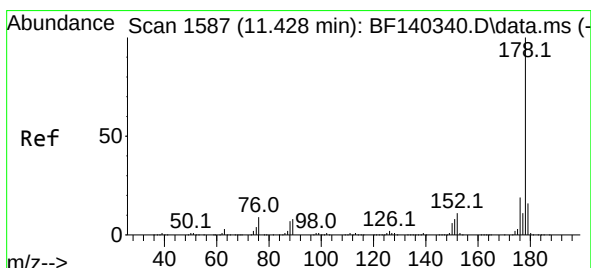
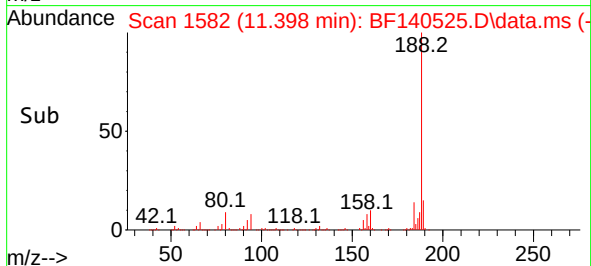
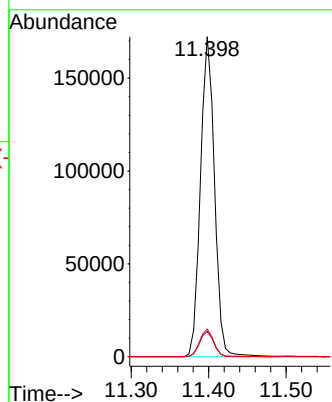
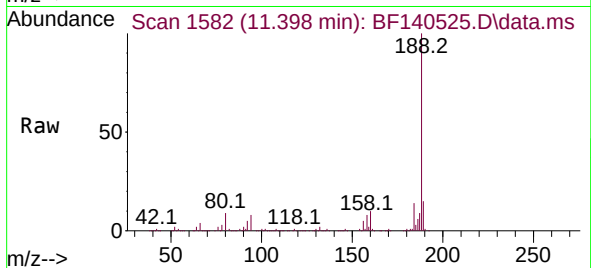
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion:188 Resp: 21679
Ion Ratio Lower Upper
188 100
94 7.9 7.6 11.4
80 8.6 8.0 12.0

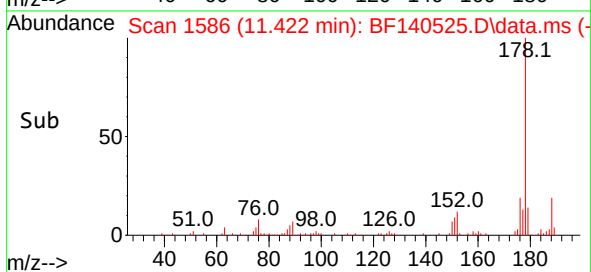
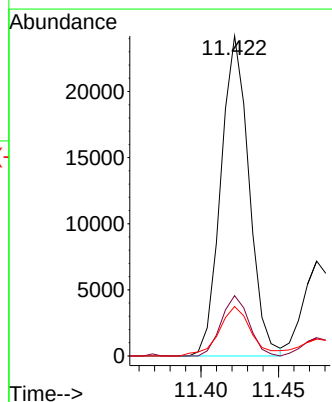
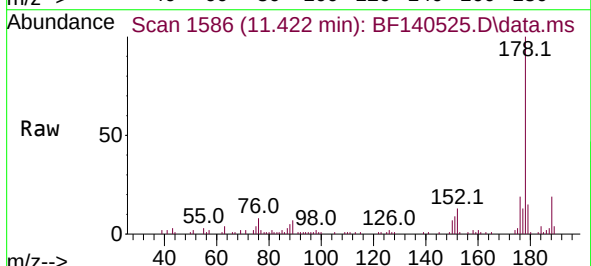
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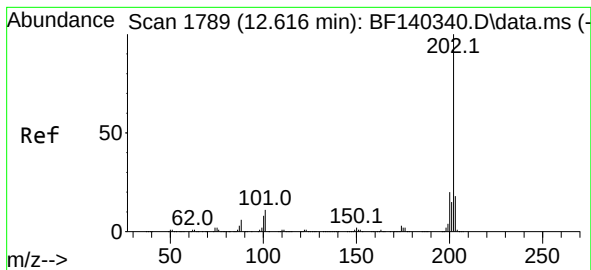
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#71
Phenanthrene
Concen: 3.001 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

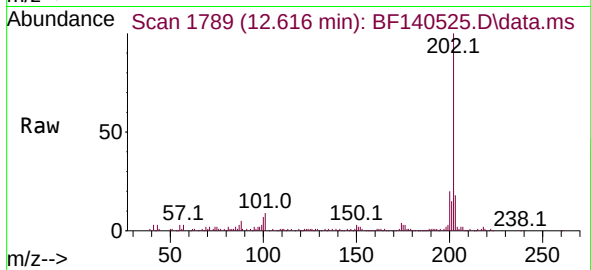
Tgt Ion:178 Resp: 30566
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 7.000 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

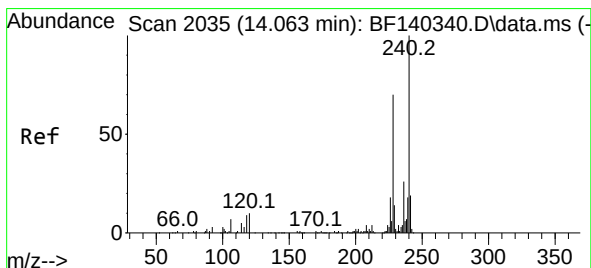
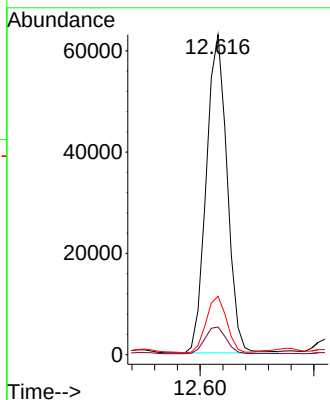
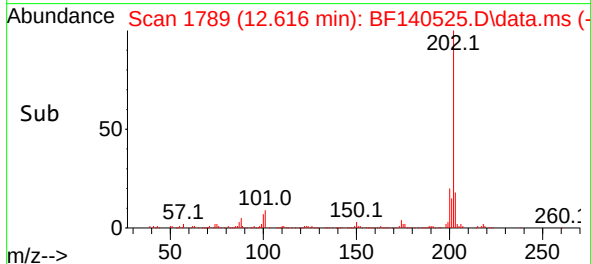
Instrument :
BNA_F
ClientSampleId :
TP-2-WC



Tgt Ion:202 Resp: 7997
Ion Ratio Lower Upper
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101 8.6 0.0 30.7
203 18.3 0.0 37.7

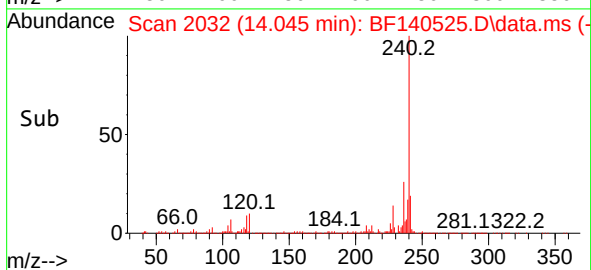
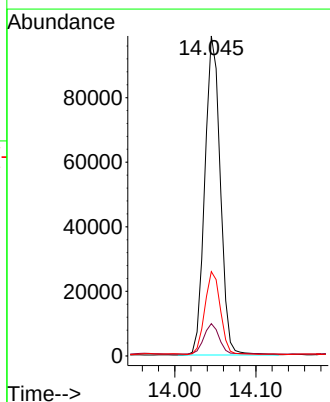
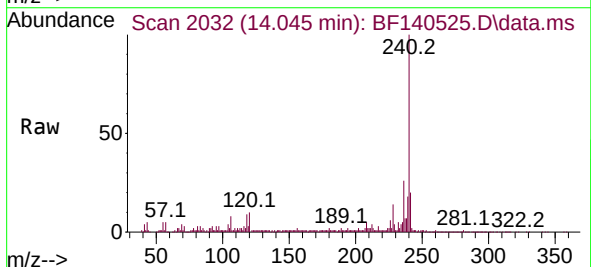
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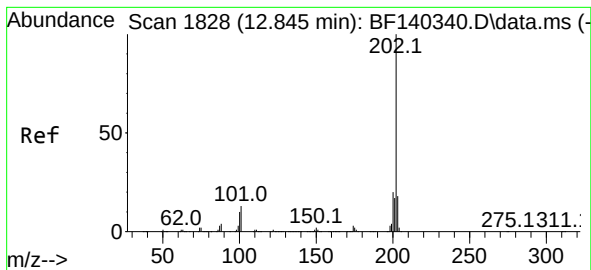
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

Tgt Ion:240 Resp: 130469
Ion Ratio Lower Upper
240 100
120 10.1 8.8 13.2
236 26.4 20.9 31.3





#78

Pyrene

Concen: 7.616 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF140525.D

Acq: 21 Nov 2024 02:35

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

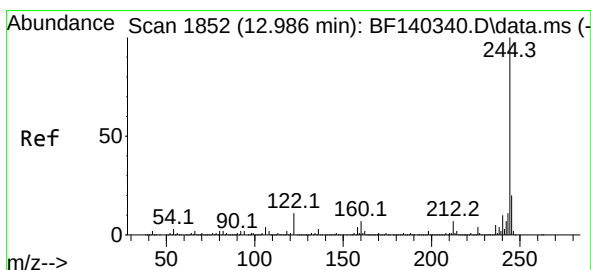
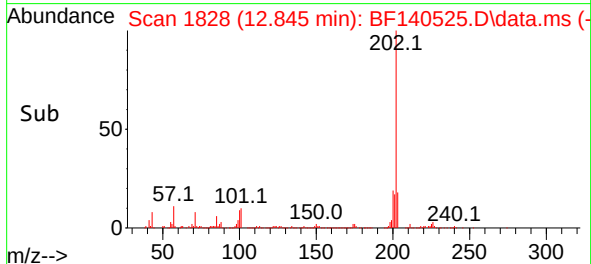
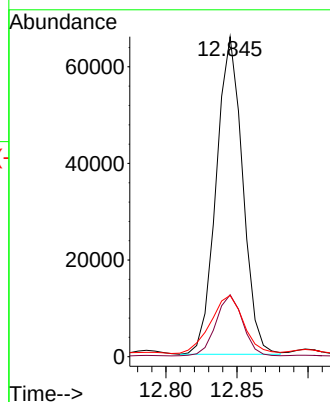
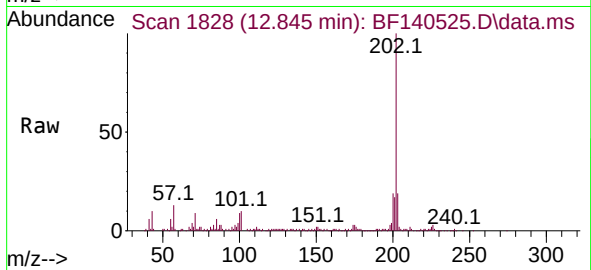
Tgt Ion:	202	Resp:	84992
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.2	24.2
203	19.2	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#79

Terphenyl-d14

Concen: 59.569 ng

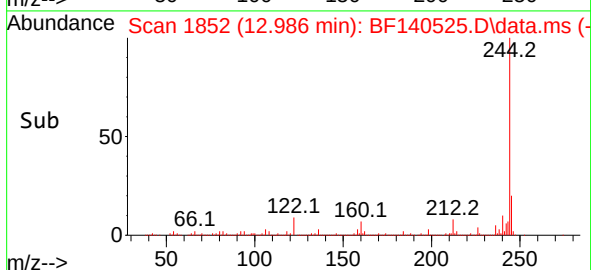
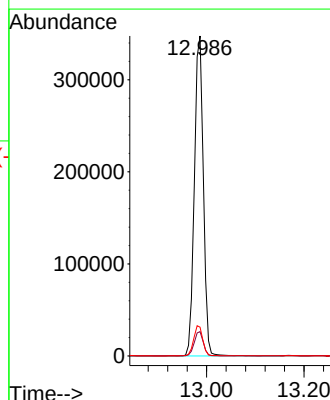
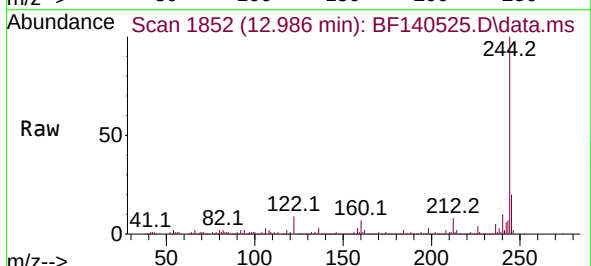
RT: 12.986 min Scan# 1852

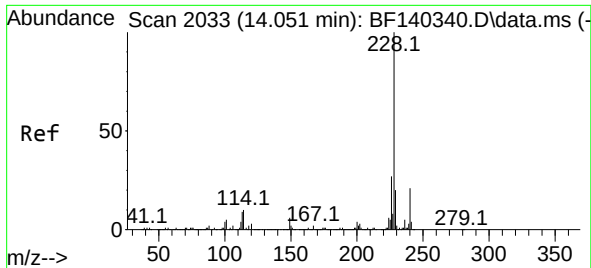
Delta R.T. 0.000 min

Lab File: BF140525.D

Acq: 21 Nov 2024 02:35

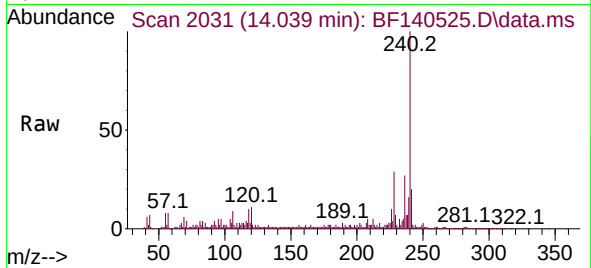
Tgt Ion:	244	Resp:	447746
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.8	8.8
122	9.0	8.8	13.2





#81
Benzo(a)anthracene
Concen: 3.397 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

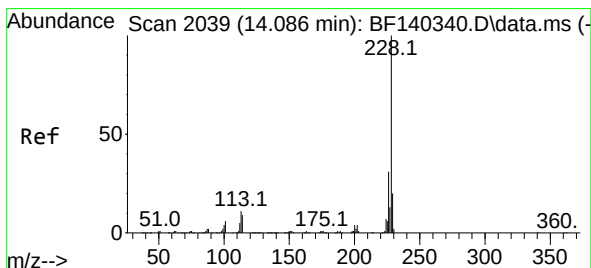
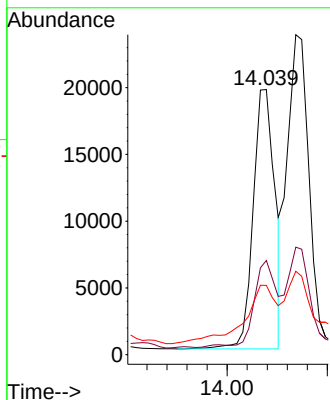
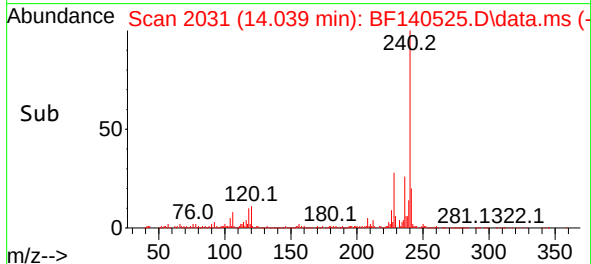
Instrument :
BNA_F
ClientSampleId :
TP-2-WC



Tgt Ion:228 Resp: 2913
Ion Ratio Lower Upper
228 100
226 35.5 22.2 33.4
229 26.2 15.8 23.6

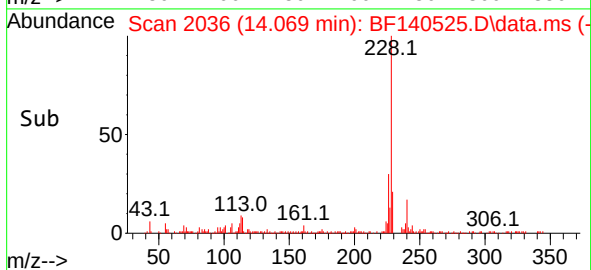
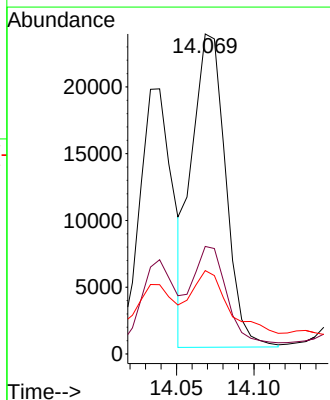
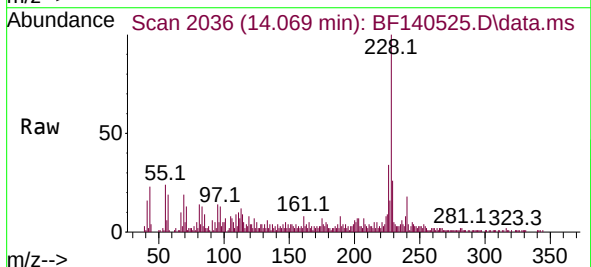
Manual Integrations
APPROVED

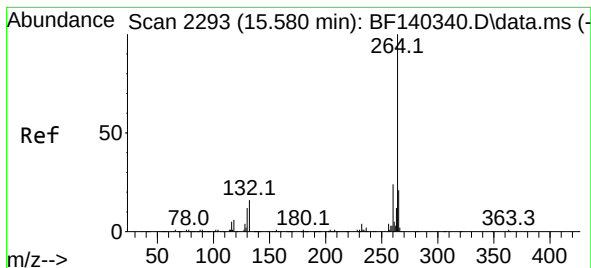
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#83
Chrysene
Concen: 4.537 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140525.D
Acq: 21 Nov 2024 02:35

Tgt Ion:228 Resp: 35499
Ion Ratio Lower Upper
228 100
226 33.6 24.5 36.7
229 26.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140525.D

Acq: 21 Nov 2024 02:35

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

Tgt Ion:264 Resp: 9792

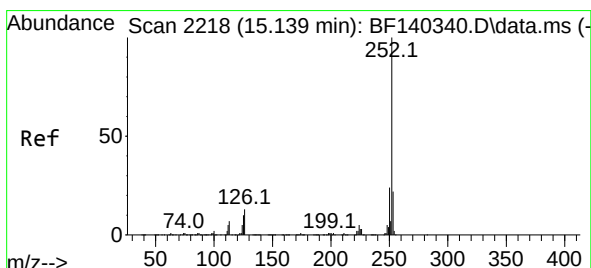
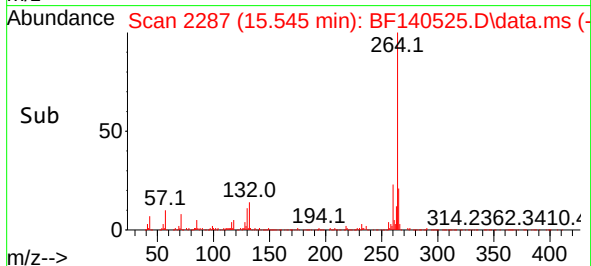
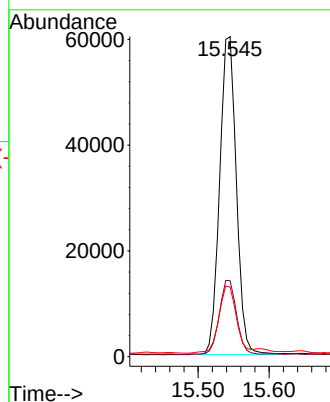
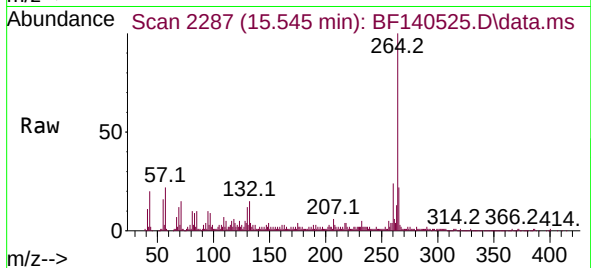
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#88

Benzo(b)fluoranthene

Concen: 4.387 ng m

RT: 15.104 min Scan# 2212

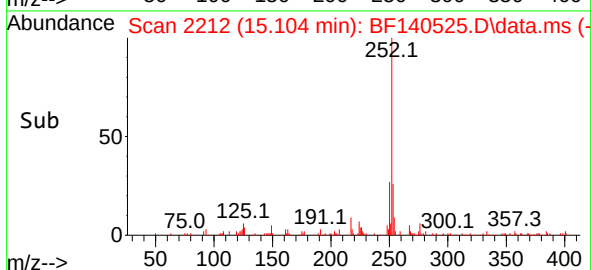
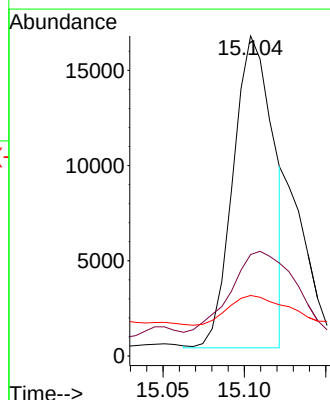
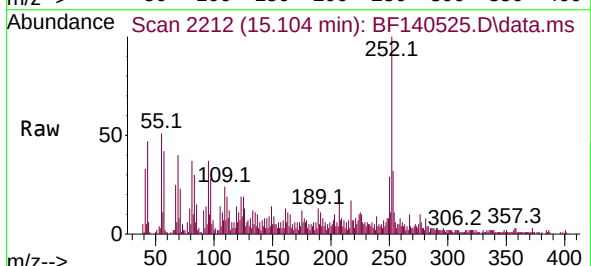
Delta R.T. -0.012 min

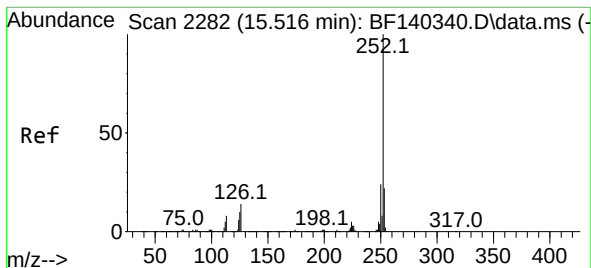
Lab File: BF140525.D

Acq: 21 Nov 2024 02:35

Tgt Ion:252 Resp: 28100

Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.5	26.3#
125	18.9	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 3.728 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140525.D

Acq: 21 Nov 2024 02:35

Instrument :

BNA_F

ClientSampleId :

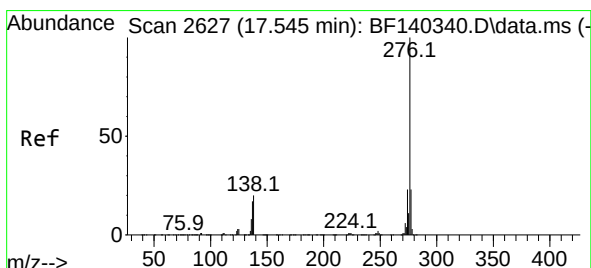
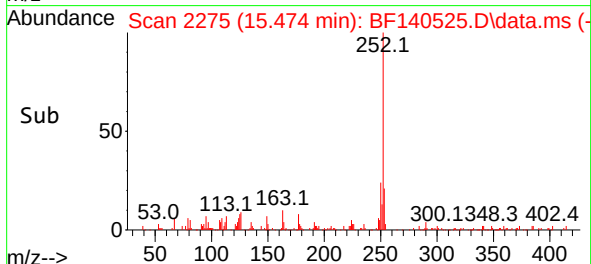
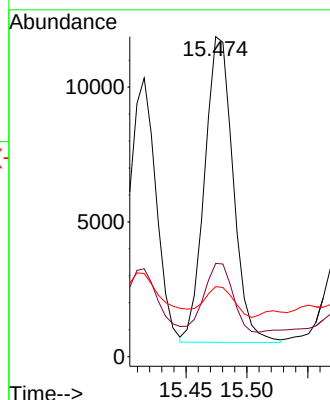
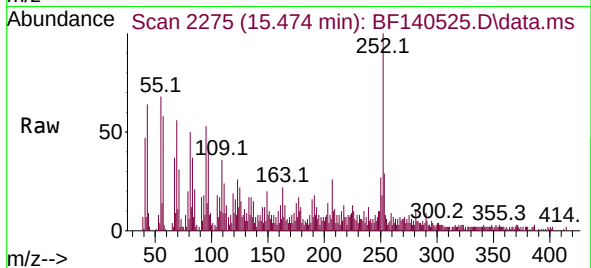
TP-2-WC

Tgt Ion:	252	Resp:	18544
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.8	26.6
125	21.9	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#92

Benzo(g,h,i)perylene

Concen: 2.325 ng

RT: 17.504 min Scan# 2620

Delta R.T. -0.012 min

Lab File: BF140525.D

Acq: 21 Nov 2024 02:35

Tgt Ion:	276	Resp:	11883
Ion Ratio	Lower	Upper	
276	100		
277	36.9	18.6	28.0
138	22.8	16.0	24.0

