

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140562.D
 Acq On : 22 Nov 2024 03:06
 Operator : RC/JU
 Sample : P4929-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS520

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 22 03:32:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59772	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	210069	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	90615	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	130462	20.000	ng	# 0.02
76) Chrysene-d12	14.063	240	100932	20.000	ng	# 0.01
86) Perylene-d12	15.551	264	82879	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	17362	4.956	ng	0.00
7) Phenol-d6	6.510	99	24234	5.233	ng	0.00
23) Nitrobenzene-d5	7.434	82	17449	4.249	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	5337	5.507	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	38052	6.257	ng	0.00
79) Terphenyl-d14	13.004	244	30964	4.777	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	63274	10.090	ng	# 52
75) Fluoranthene	12.639	202	100046	14.693	ng	79
78) Pyrene	12.868	202	78631	8.426	ng	# 85
81) Benzo(a)anthracene	14.051	228	29482	4.413	ng	# 89
83) Chrysene	14.086	228	34856	5.705	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.045	276	14419	2.670	ng	95
88) Benzo(b)fluoranthene	15.115	252	38176m	7.333	ng	
89) Benzo(k)fluoranthene	15.127	252	17022m	3.737	ng	
90) Benzo(a)pyrene	15.486	252	19486	4.604	ng	# 63
92) Benzo(g,h,i)perylene	17.503	276	15400	3.412	ng	# 96

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

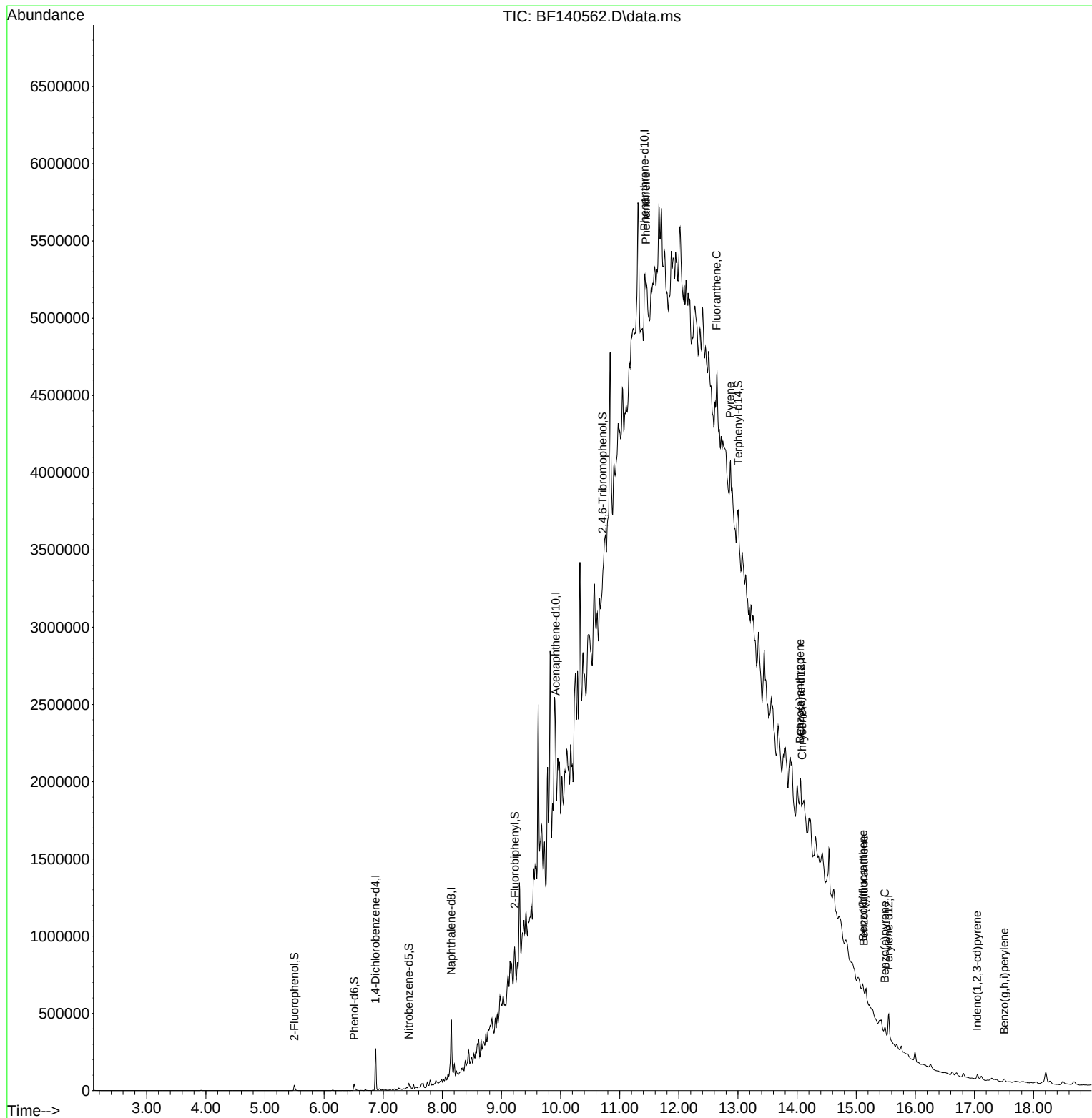
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140562.D
Acq On : 22 Nov 2024 03:06
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Misc :
ALS Vial : 25 Sample Multiplier: 1

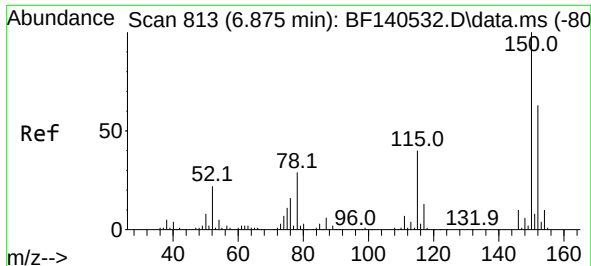
Instrument :
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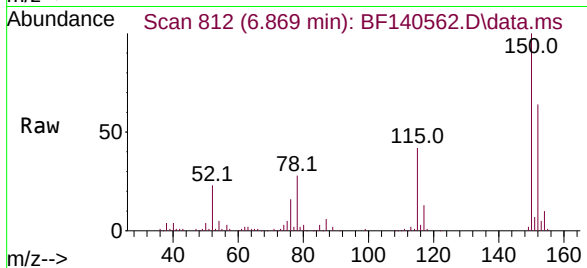
Quant Time: Nov 22 03:32:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

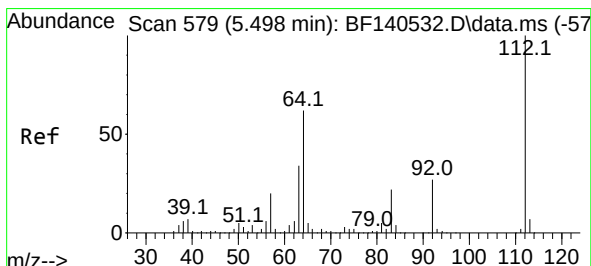
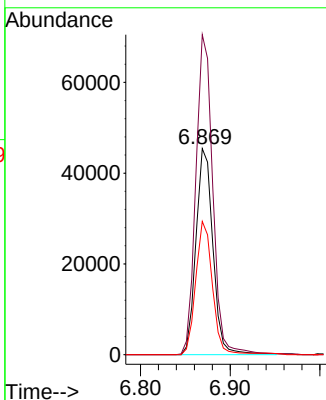
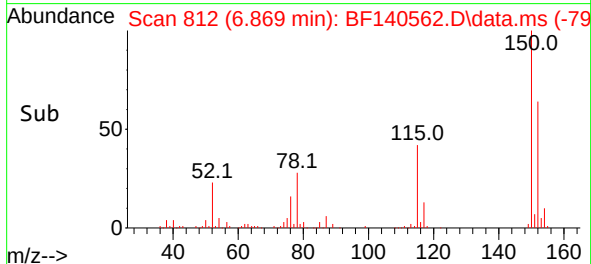
Instrument :
BNA_F
ClientSampleId :
ARS520



Tgt Ion:152 Resp: 59772
Ion Ratio Lower Upper
152 100
150 155.2 128.5 192.7
115 64.7 50.2 75.4

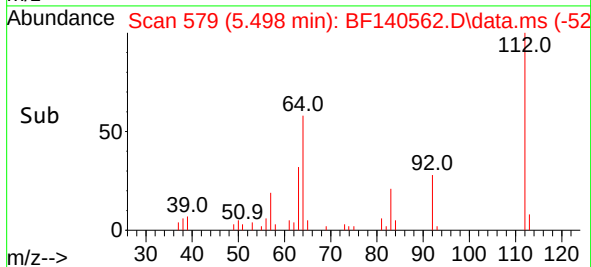
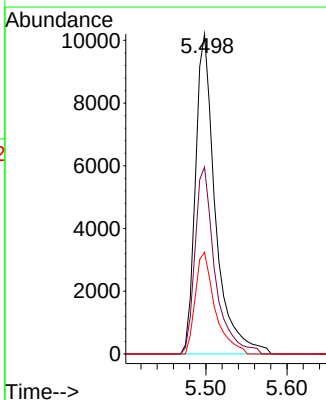
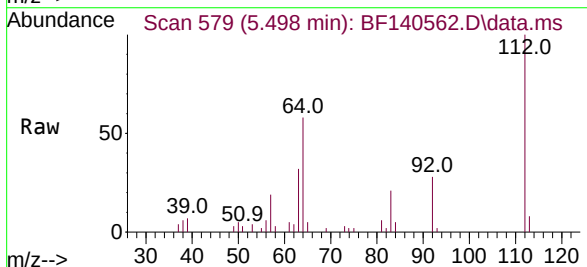
Manual Integrations
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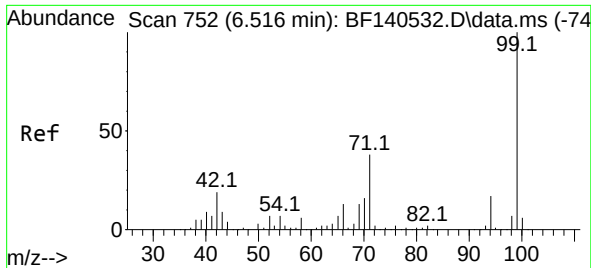
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#5
2-Fluorophenol
Concen: 4.956 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

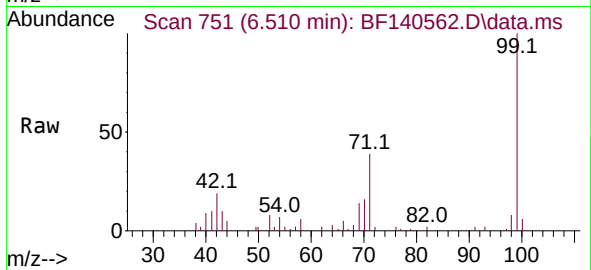
Tgt Ion:112 Resp: 17362
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 31.8 27.0 40.4





#7
Phenol-d6
Concen: 5.233 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

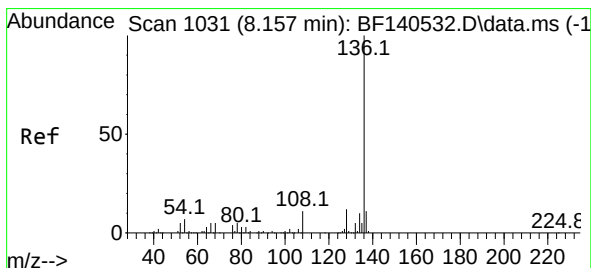
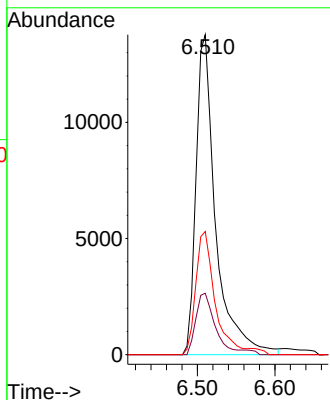
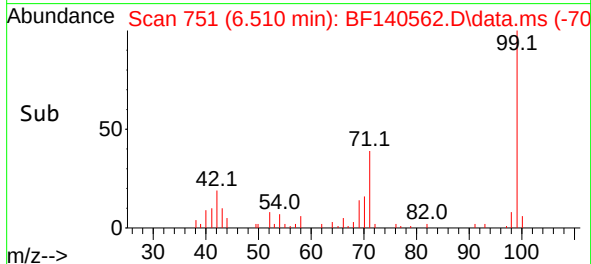
Instrument :
BNA_F
ClientSampleId :
ARS520



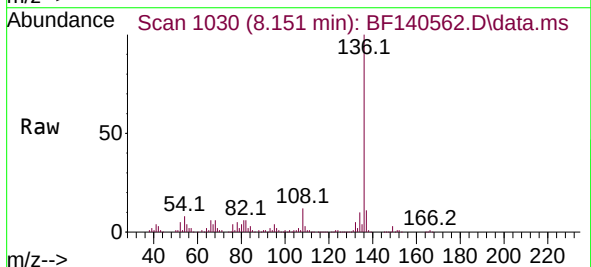
Tgt Ion: 99 Resp: 24234
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.0
71 38.5 30.6 46.0

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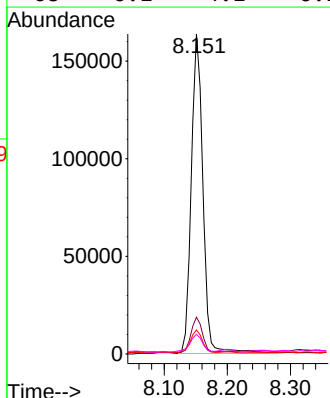
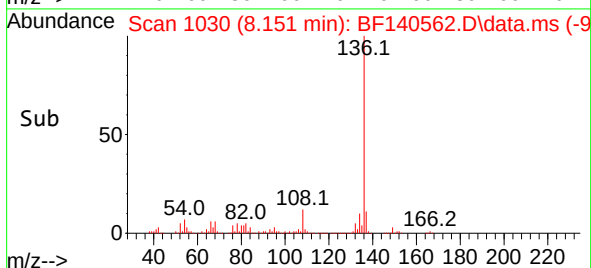
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024

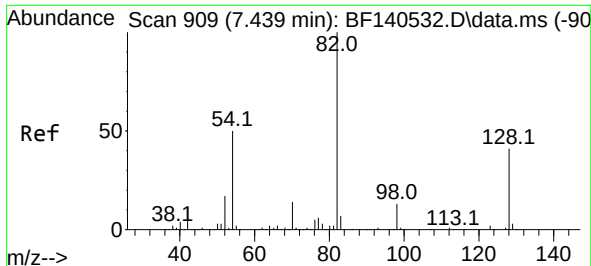


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06



Tgt Ion:136 Resp: 210069
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 7.5 5.8 8.8
68 6.1 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 4.249 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

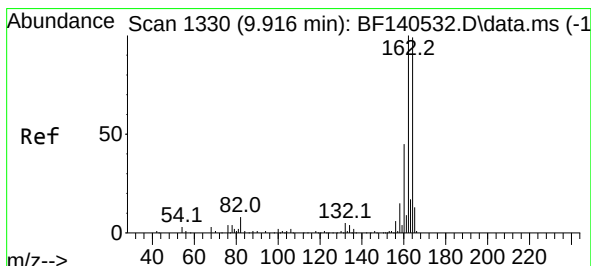
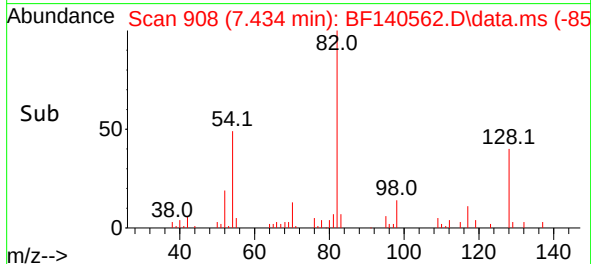
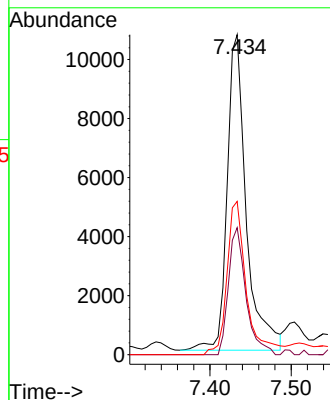
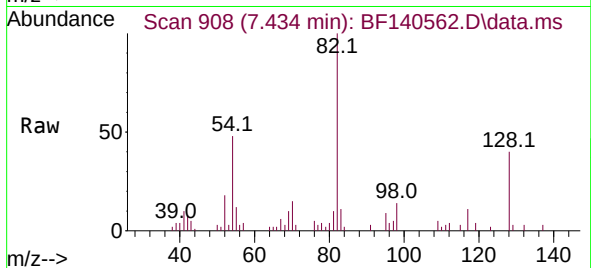
ARS520

Tgt Ion:	82	Resp:	17449
Ion Ratio	Lower	Upper	
82	100		
128	39.7	33.0	49.4
54	47.9	39.5	59.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

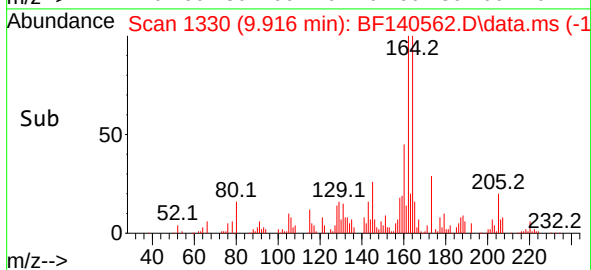
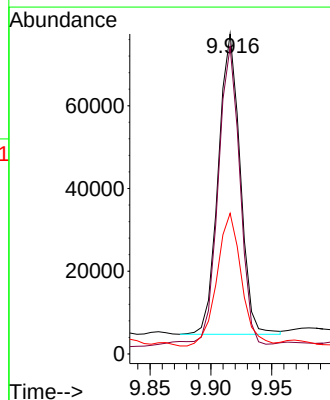
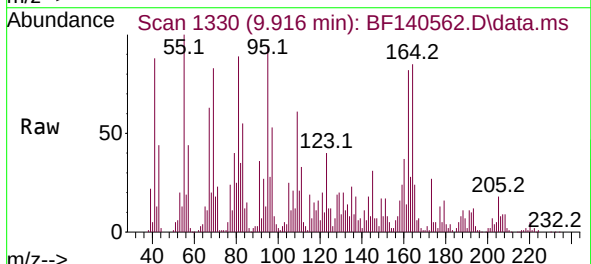
RT: 9.916 min Scan# 1330

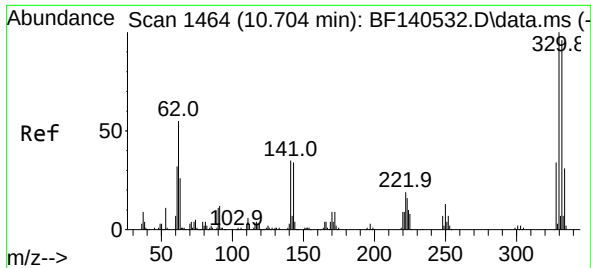
Delta R.T. -0.000 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

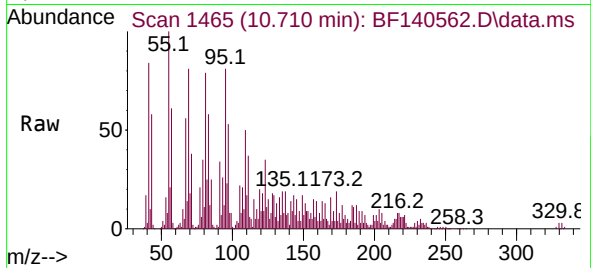
Tgt Ion:	164	Resp:	90615
Ion Ratio	Lower	Upper	
164	100		
162	96.0	80.6	120.8
160	44.0	36.2	54.4





#42
2,4,6-Tribromophenol
Concen: 5.507 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

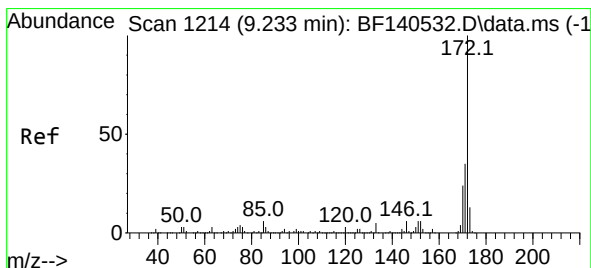
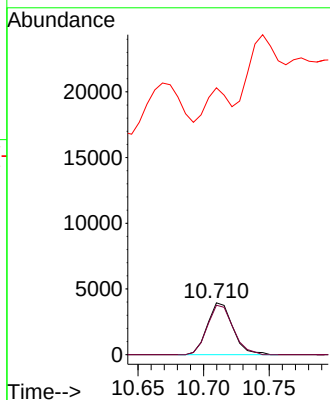
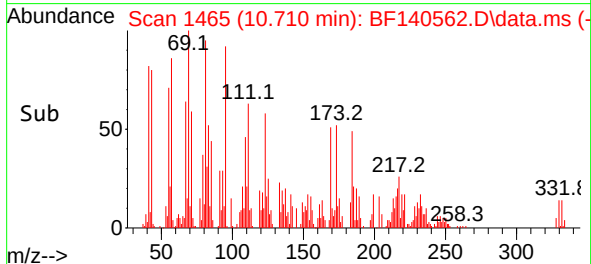
Instrument :
BNA_F
ClientSampleId :
ARS520



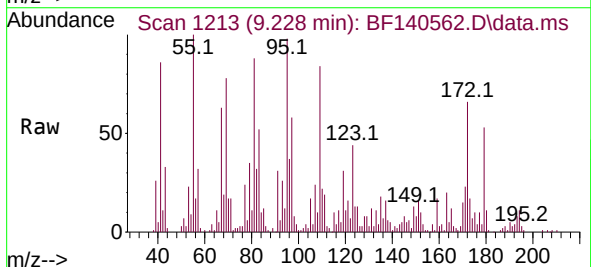
Tgt Ion: 330 Resp: 533
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 55.1 26.7 40.1

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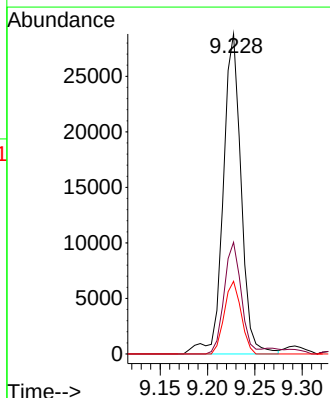
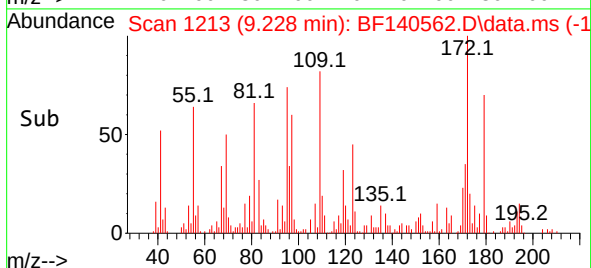
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024

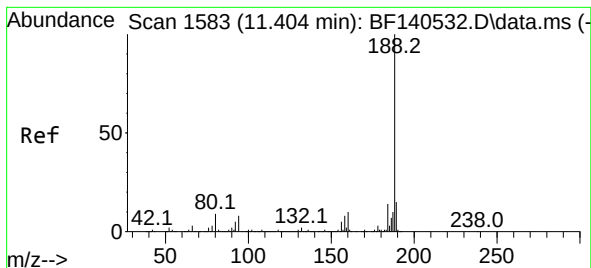


#45
2-Fluorobiphenyl
Concen: 6.257 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06



Tgt Ion: 172 Resp: 38052
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 22.7 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.018 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

ARS520

Tgt Ion:188 Resp: 130462

Ion Ratio Lower Upper

188 100

94 32.4 6.4 9.6

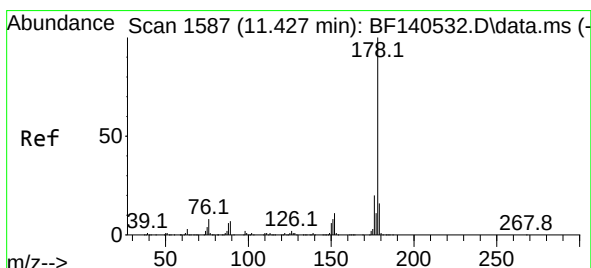
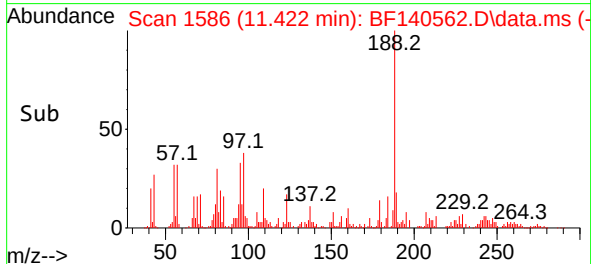
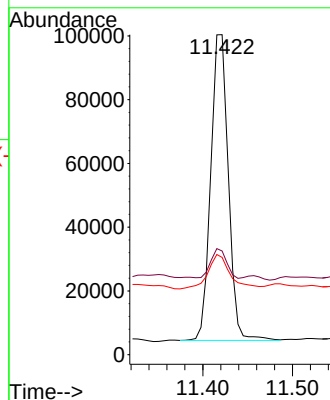
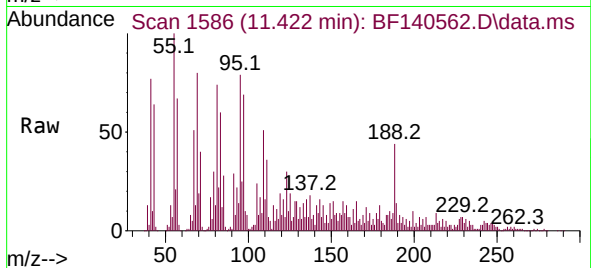
80 30.4 6.9 10.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/25/2024

Supervised By :mohammad ahmed 11/27/2024



#71

Phenanthrene

Concen: 10.090 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.018 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

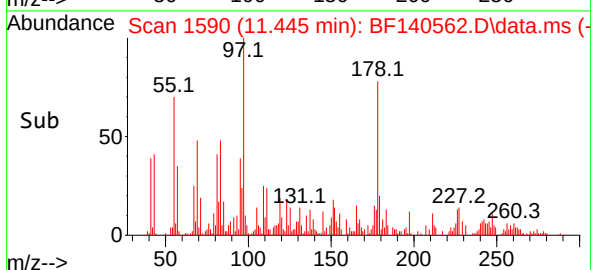
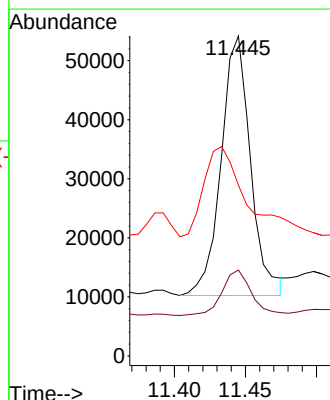
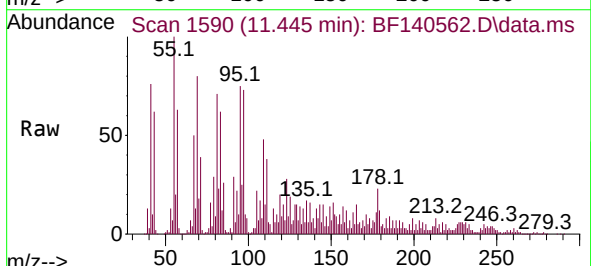
Tgt Ion:178 Resp: 63274

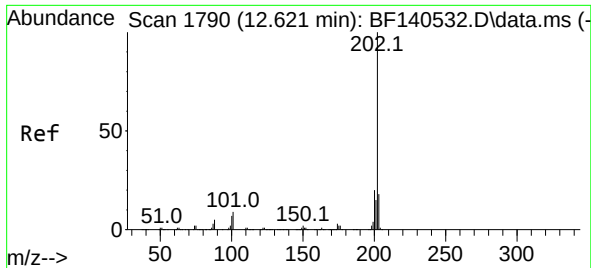
Ion Ratio Lower Upper

178 100

176 26.9 15.8 23.6#

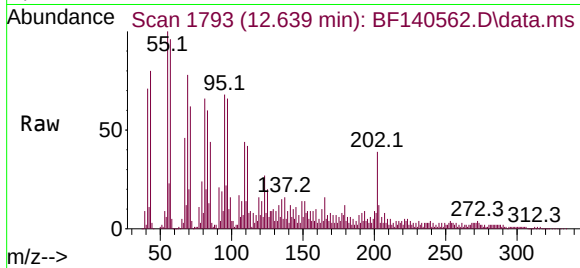
179 53.3 12.4 18.6#





#75
Fluoranthene
Concen: 14.693 ng
RT: 12.639 min Scan# 1793
Delta R.T. 0.018 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

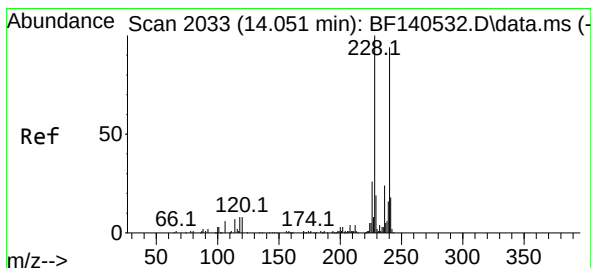
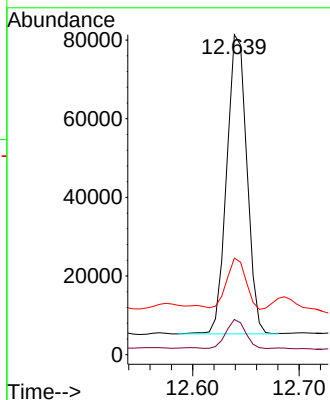
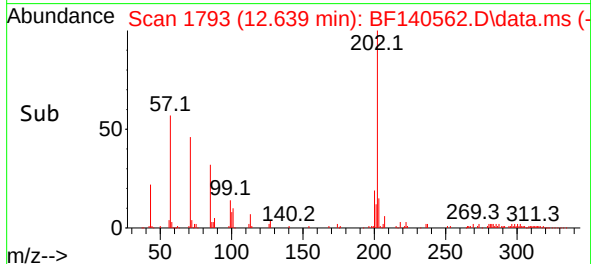
Instrument :
BNA_F
ClientSampleId :
ARS520



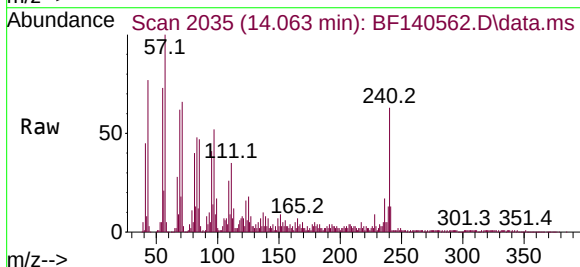
Tgt Ion:202 Resp: 100040
Ion Ratio Lower Upper
202 100
101 11.0 0.0 28.9
203 30.1 0.0 37.6

Manual Integrations
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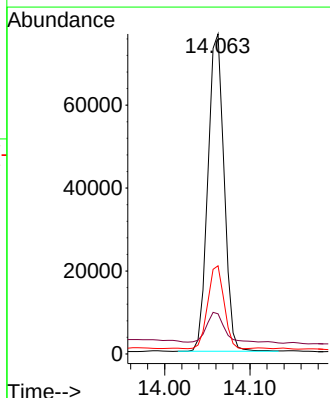
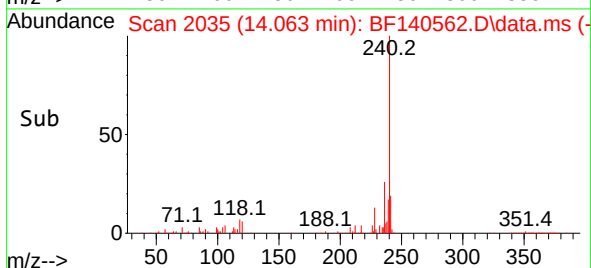
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024

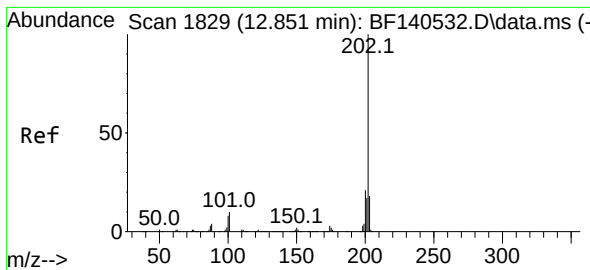


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06



Tgt Ion:240 Resp: 100932
Ion Ratio Lower Upper
240 100
120 12.6 7.3 10.9#
236 27.6 20.6 31.0





#78

Pyrene

Concen: 8.426 ng

RT: 12.868 min Scan# 1832

Delta R.T. 0.018 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

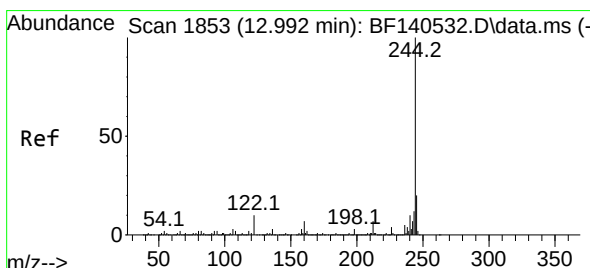
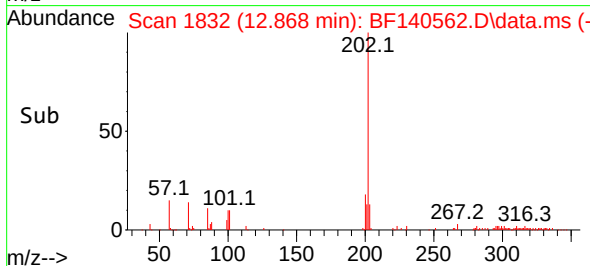
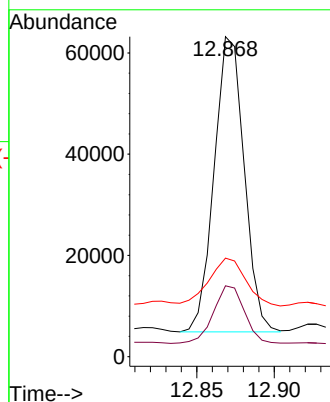
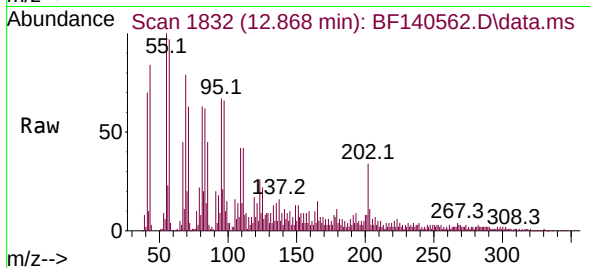
ARS520

Tgt Ion:	202	Resp:	7863
Ion Ratio	Lower	Upper	
202	100		
200	22.1	16.5	24.7
203	30.8	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 4.777 ng

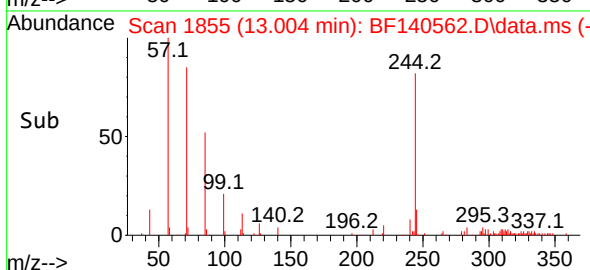
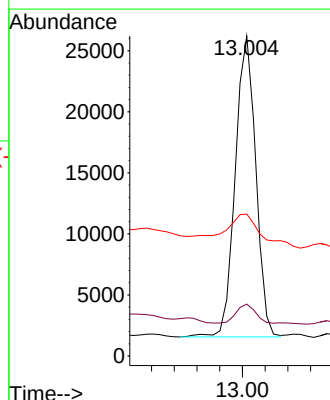
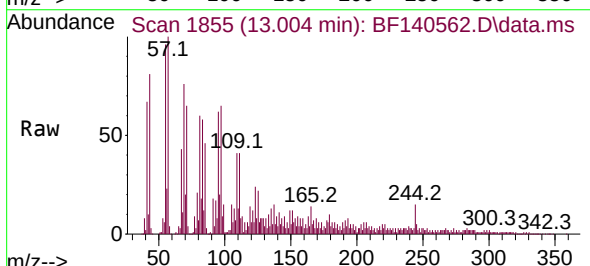
RT: 13.004 min Scan# 1855

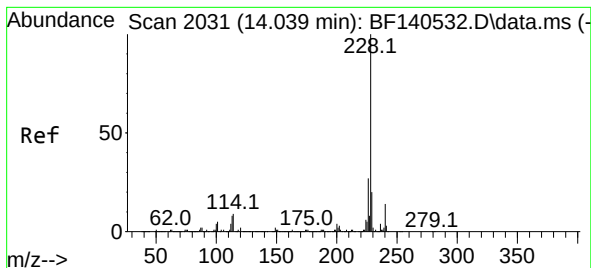
Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Tgt Ion:	244	Resp:	30964
Ion Ratio	Lower	Upper	
244	100		
212	16.2	5.8	8.8#
122	44.4	8.0	12.0#





#81

Benzo(a)anthracene

Concen: 4.413 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNF_F

ClientSampleId :

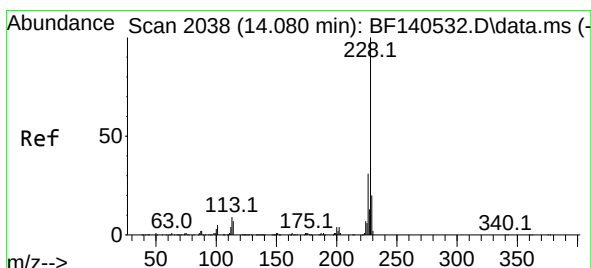
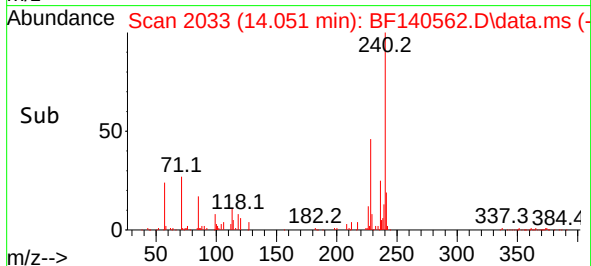
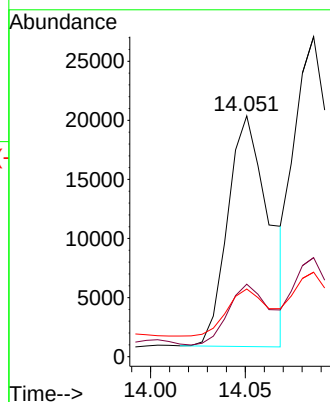
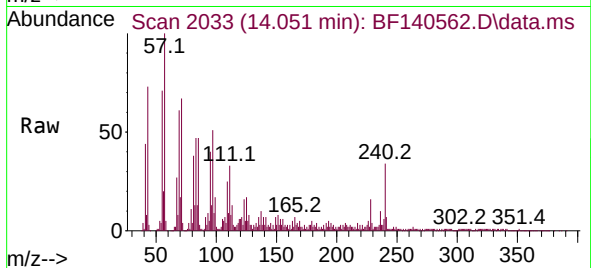
ARS520

Tgt Ion:	228	Resp:	2948
Ion Ratio	Lower	Upper	
228	100		
226	30.1	21.8	32.8
229	28.1	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#83

Chrysene

Concen: 5.705 ng

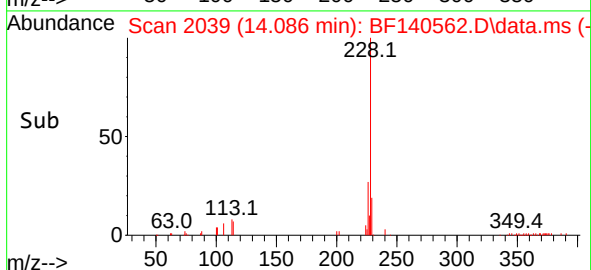
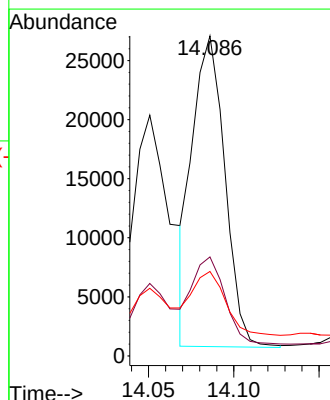
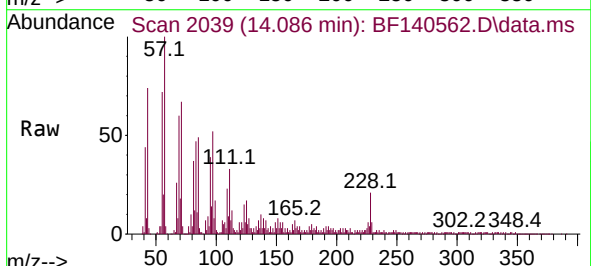
RT: 14.086 min Scan# 2039

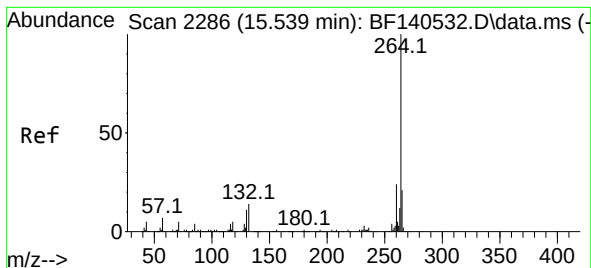
Delta R.T. 0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Tgt Ion:	228	Resp:	34856
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	26.4	15.8	23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

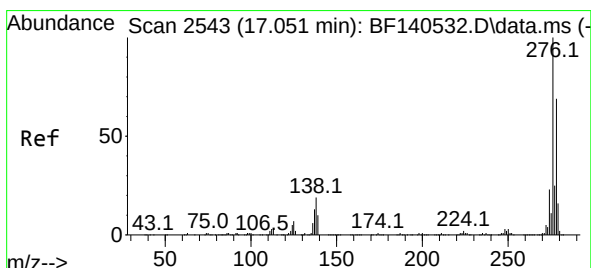
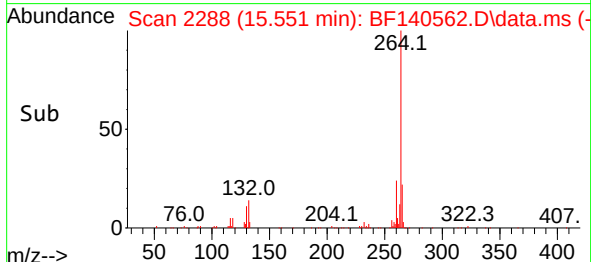
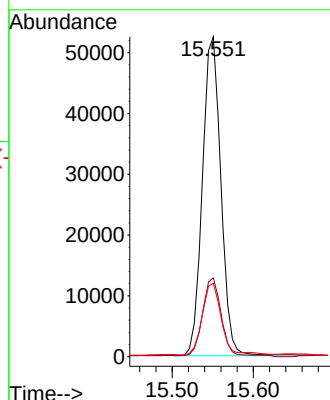
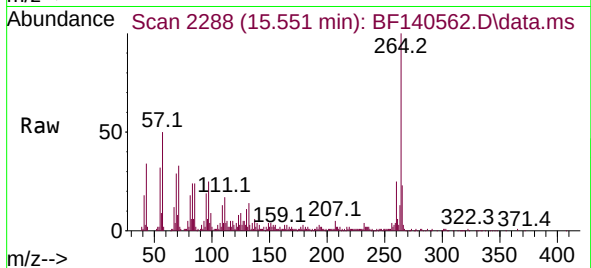
ARS520

Tgt Ion:	264	Resp:	82879
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.0	28.6
265	23.0	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.670 ng

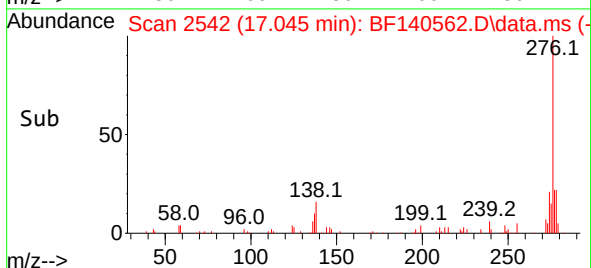
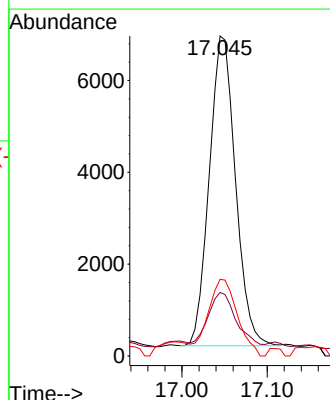
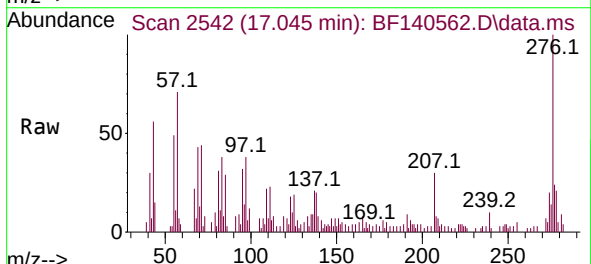
RT: 17.045 min Scan# 2542

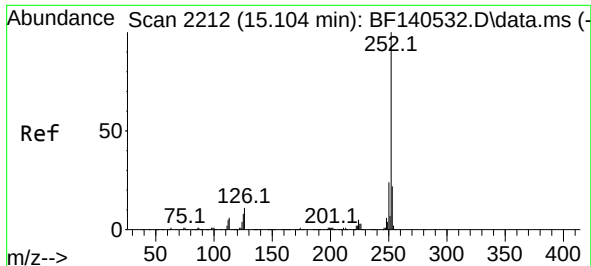
Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

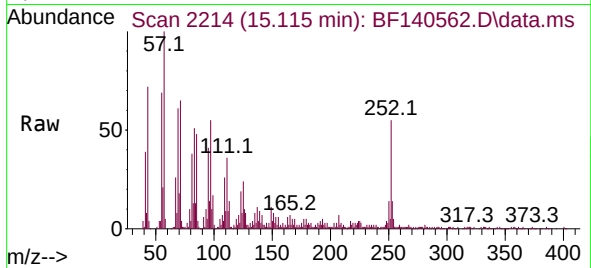
Tgt Ion:	276	Resp:	14419
Ion Ratio	Lower	Upper	
276	100		
138	17.4	15.5	23.3
277	27.8	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 7.333 ng m
RT: 15.115 min Scan# 2212
Delta R.T. 0.012 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

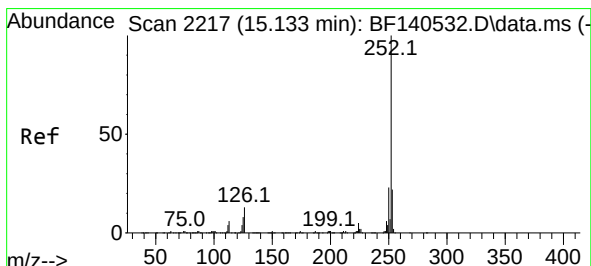
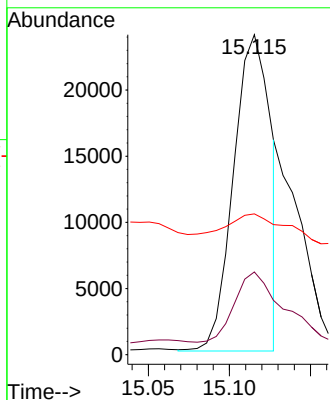
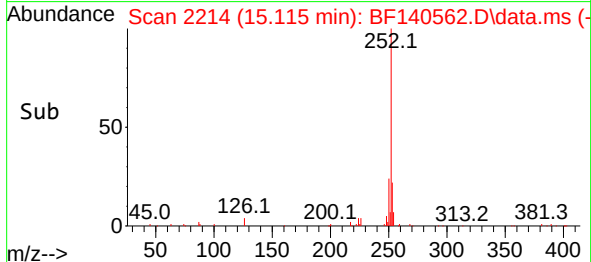
Instrument :
BNA_F
ClientSampleId :
ARS520



Tgt Ion:252 Resp: 38170
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8
125 44.0 6.7 10.1

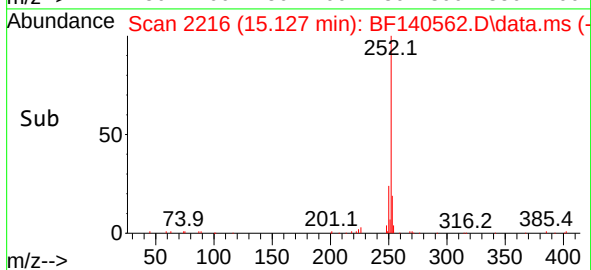
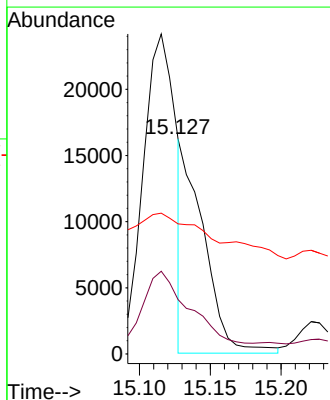
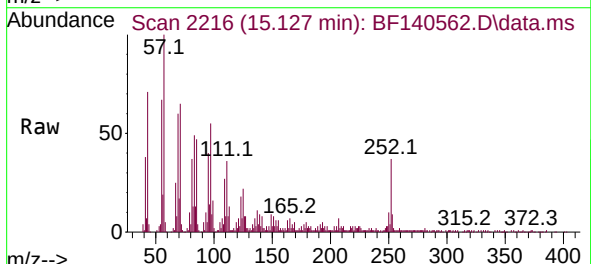
Manual Integrations
APPROVED

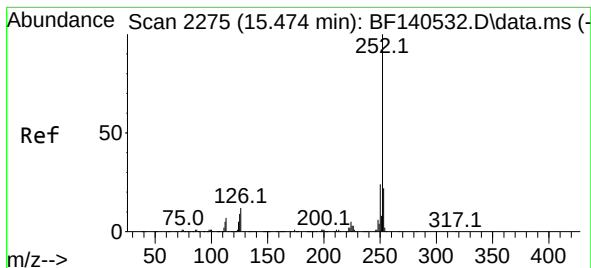
Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#89
Benzo(k)fluoranthene
Concen: 3.737 ng m
RT: 15.127 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF140562.D
Acq: 22 Nov 2024 03:06

Tgt Ion:252 Resp: 17022
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 60.5 6.5 9.7





#90

Benzo(a)pyrene

Concen: 4.604 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Instrument :

BNA_F

ClientSampleId :

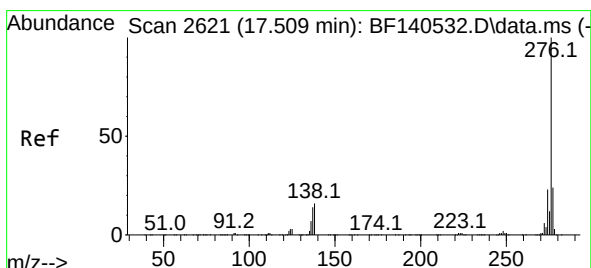
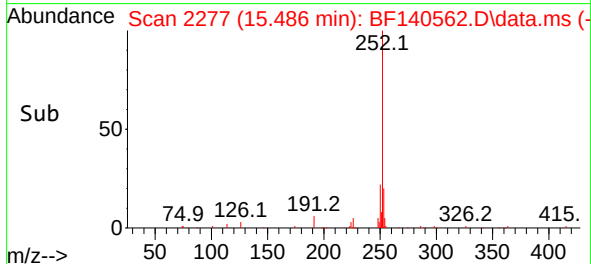
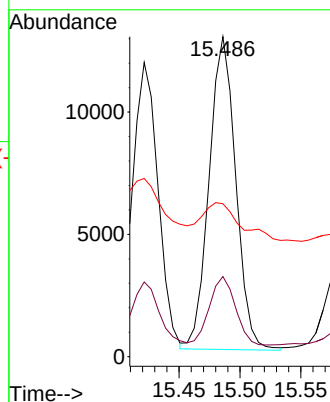
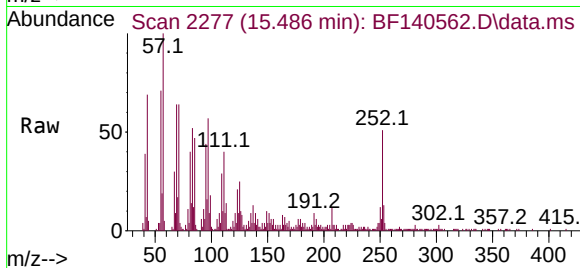
ARS520

Tgt Ion:	252	Resp:	19480
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.3	25.9
125	47.8	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2024
Supervised By :mohammad ahmed 11/27/2024



#92

Benzo(g,h,i)perylene

Concen: 3.412 ng

RT: 17.503 min Scan# 2620

Delta R.T. -0.006 min

Lab File: BF140562.D

Acq: 22 Nov 2024 03:06

Tgt Ion:	276	Resp:	15400
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	19.9	13.2	19.8

