

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141924.D
 Acq On : 11 Mar 2025 19:12
 Operator : RC/JU
 Sample : Q1515-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-030625

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 12 01:15:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	149025	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	552945	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	275999	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	416654	20.000	ng	0.00
76) Chrysene-d12	14.033	240	343025	20.000	ng	0.00
86) Perylene-d12	15.510	264	246698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	804688	90.119	ng	0.00
7) Phenol-d6	6.498	99	1023751	90.049	ng	0.00
23) Nitrobenzene-d5	7.440	82	642692	65.410	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	273950	78.240	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1149417	63.335	ng	0.00
79) Terphenyl-d14	12.980	244	1104591	47.608	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.610	202	86871	3.639	ng	99
78) Pyrene	12.839	202	92306	3.111	ng	98
81) Benzo(a)anthracene	14.027	228	61334	2.725	ng	# 91
83) Chrysene	14.057	228	42176	2.067	ng	# 93
88) Benzo(b)fluoranthene	15.074	252	45650m	2.700	ng	
90) Benzo(a)pyrene	15.445	252	30583	2.312	ng	# 86

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

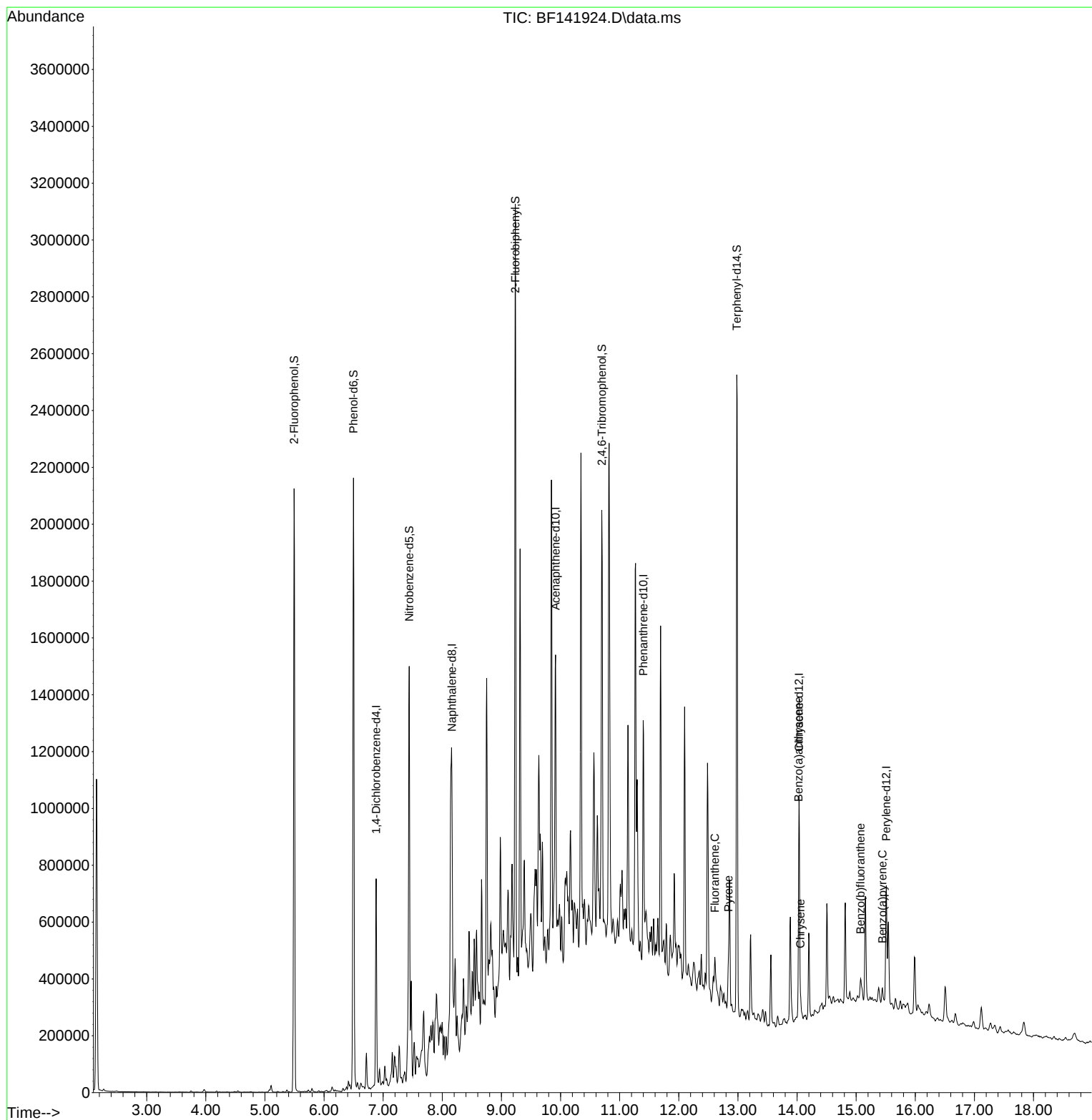
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
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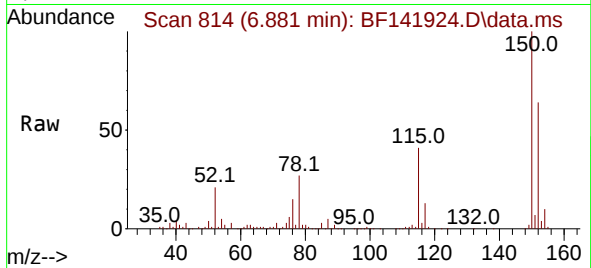
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

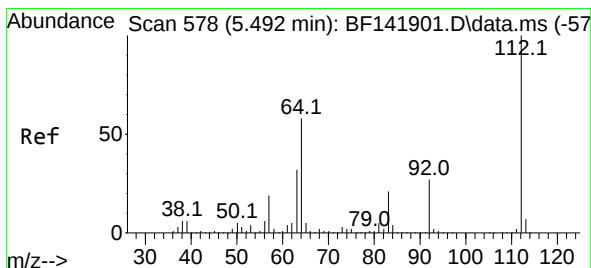
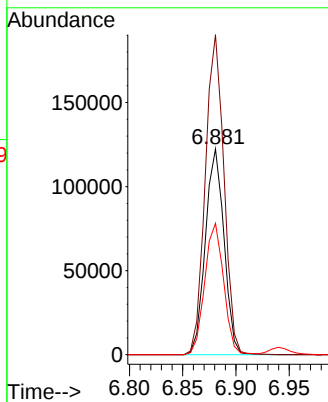
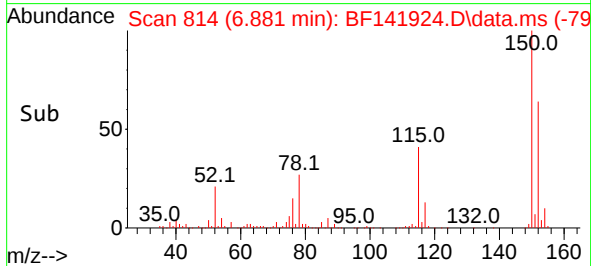
Instrument :
BNA_F
ClientSampleId :
AU-06-030625



Tgt Ion:152 Resp: 149025
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 63.8 51.9 77.9

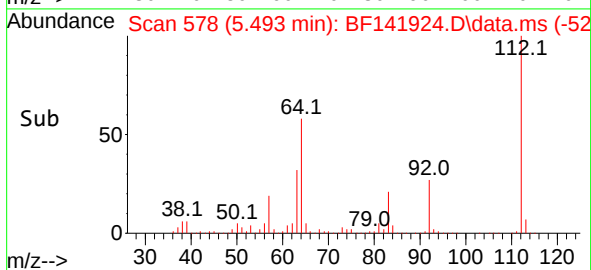
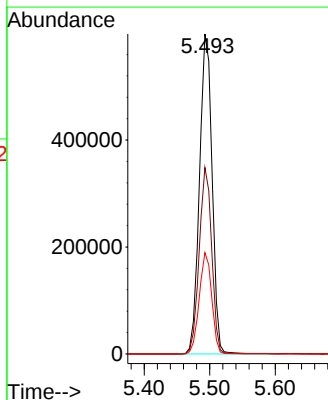
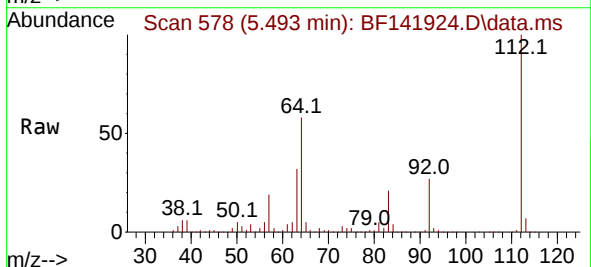
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#5
2-Fluorophenol
Concen: 90.119 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

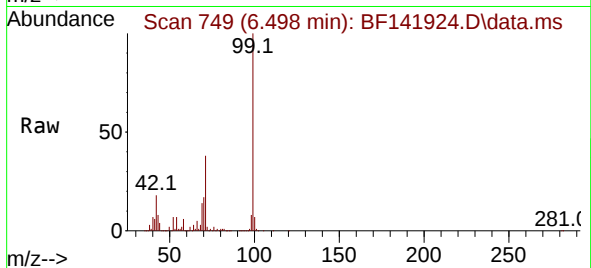
Tgt Ion:112 Resp: 804688
Ion Ratio Lower Upper
112 100
64 58.2 46.5 69.7
63 31.7 25.4 38.2





#7
Phenol-d6
Concen: 90.049 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

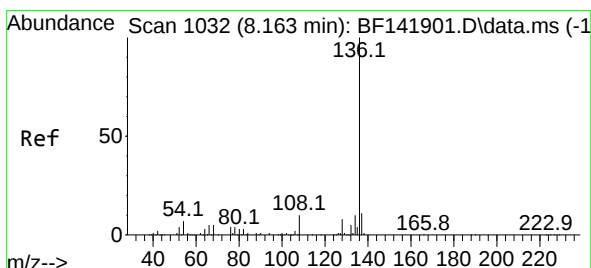
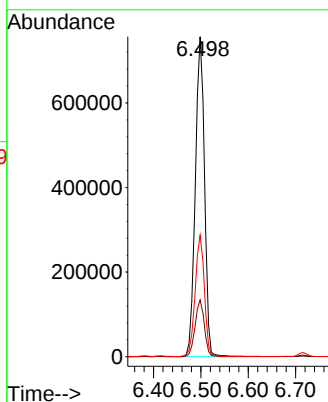
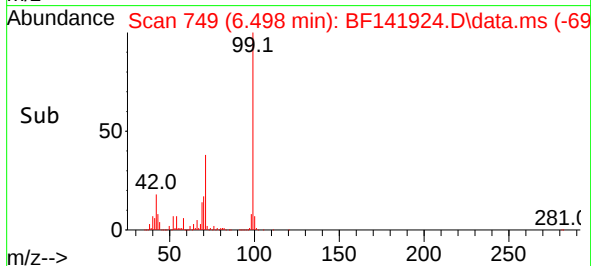
Instrument :
BNA_F
ClientSampleId :
AU-06-030625



Tgt Ion: 99 Resp: 102375
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 38.0 30.8 46.2

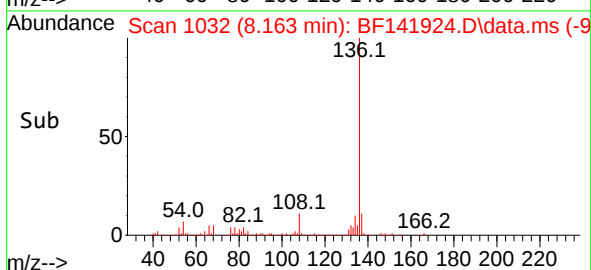
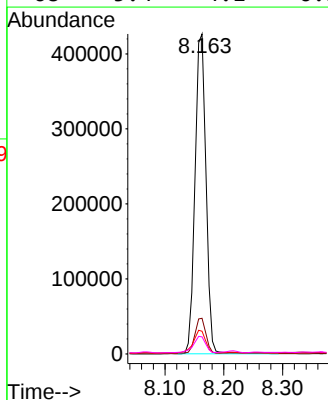
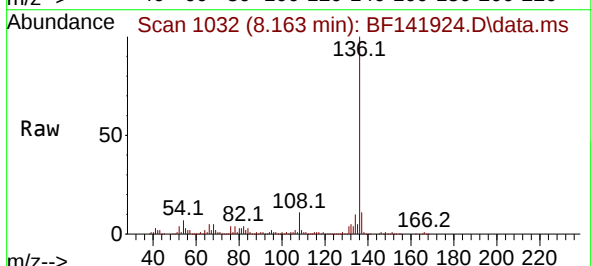
Manual Integrations
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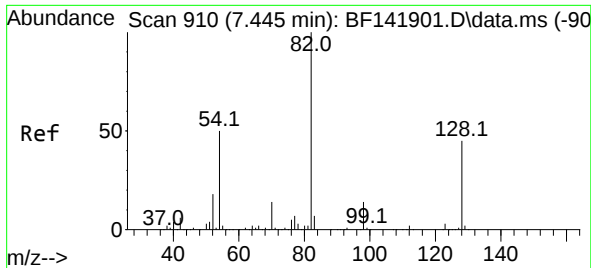
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

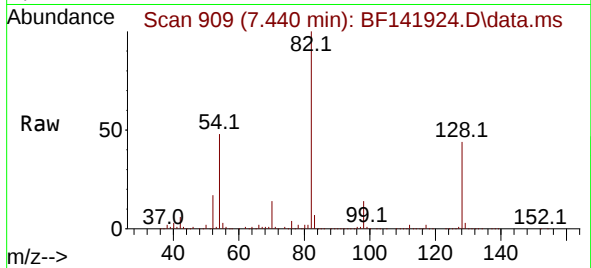
Tgt Ion:136 Resp: 552945
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.1 5.8 8.8
68 5.4 4.1 6.1





#23
Nitrobenzene-d5
Concen: 65.410 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

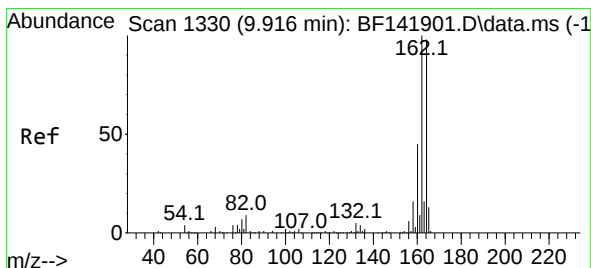
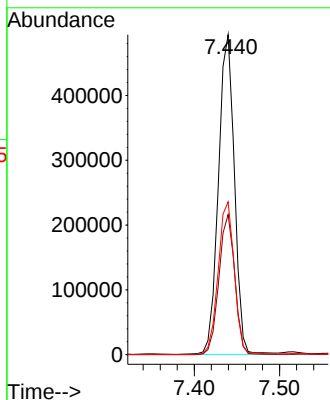
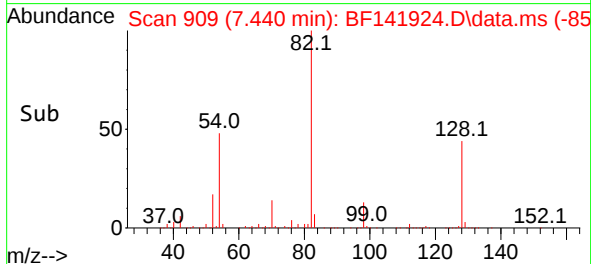
Instrument :
BNA_F
ClientSampleId :
AU-06-030625



Tgt Ion: 82 Resp: 642692
Ion Ratio Lower Upper
82 100
128 43.8 36.0 54.0
54 47.7 39.6 59.4

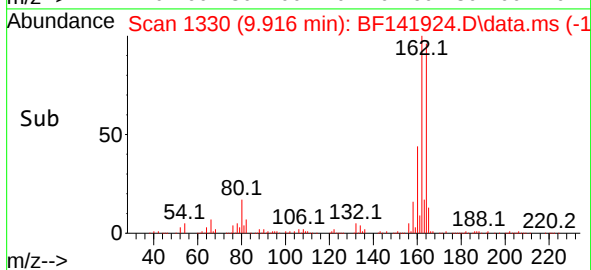
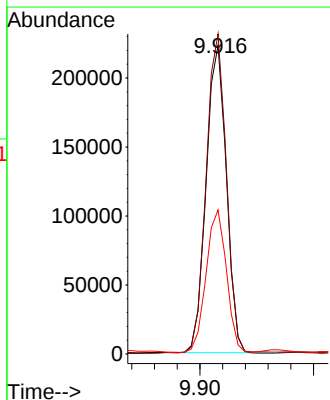
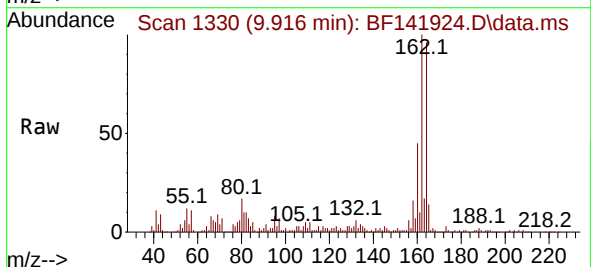
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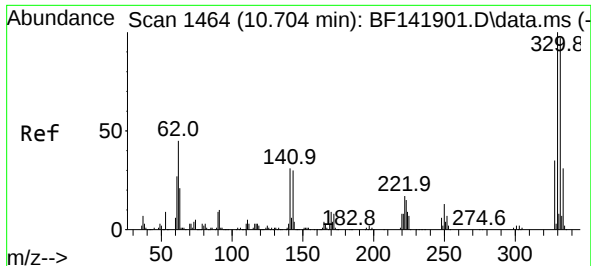
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:164 Resp: 275999
Ion Ratio Lower Upper
164 100
162 103.7 81.8 122.6
160 46.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 78.240 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

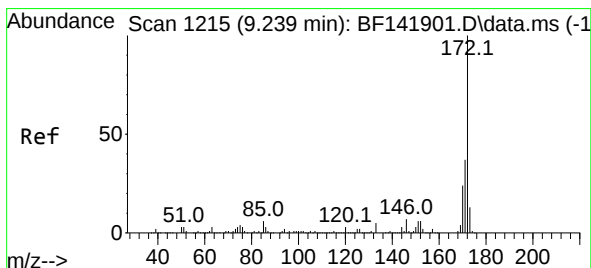
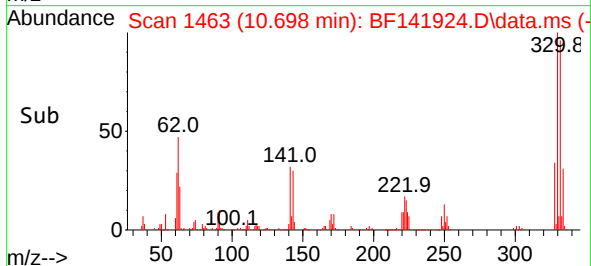
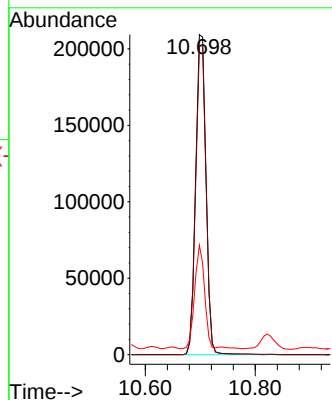
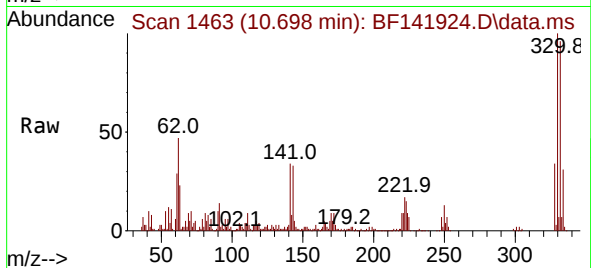
AU-06-030625

Tgt Ion:330 Resp: 273950
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 30.6 24.7 37.1

Manual Integrations

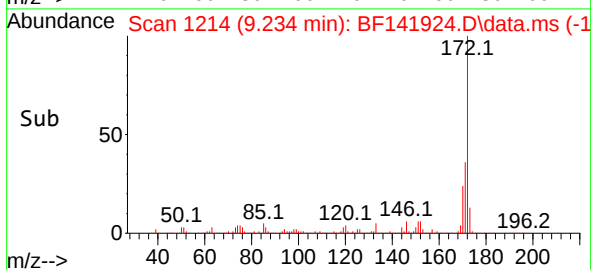
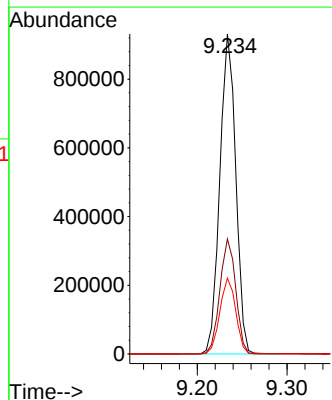
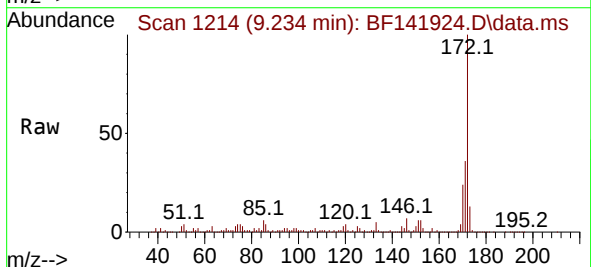
APPROVED

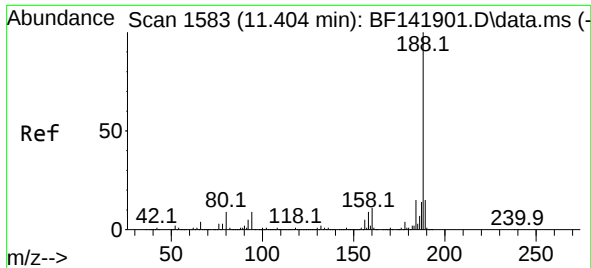
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#45
2-Fluorobiphenyl
Concen: 63.335 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

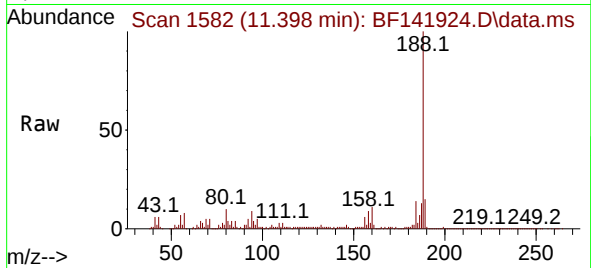
Tgt Ion:172 Resp: 1149417
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 23.7 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

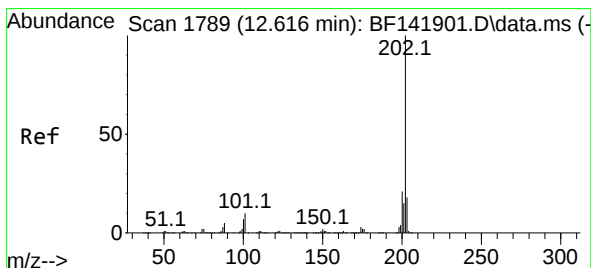
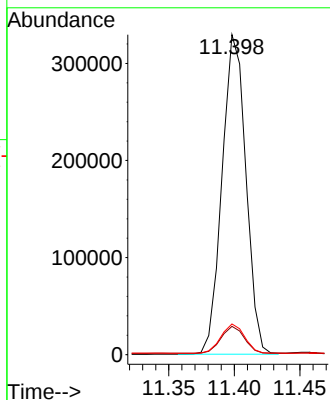
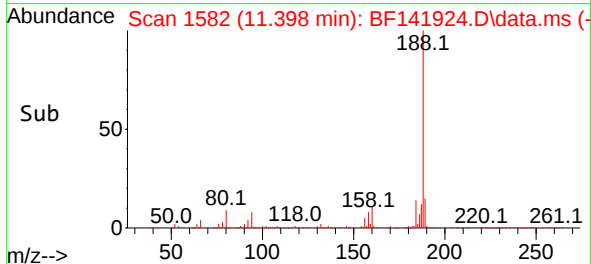
Instrument :
BNA_F
ClientSampleId :
AU-06-030625



Tgt Ion:188 Resp: 416654
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.6 7.6 11.4

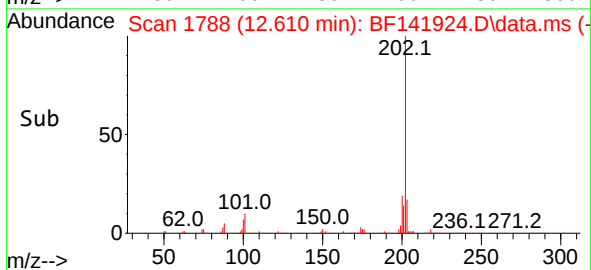
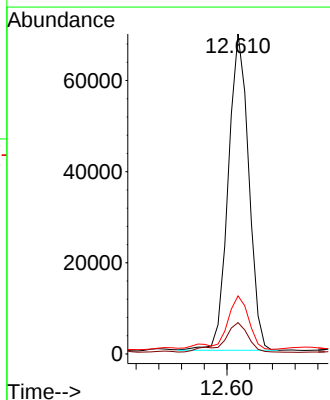
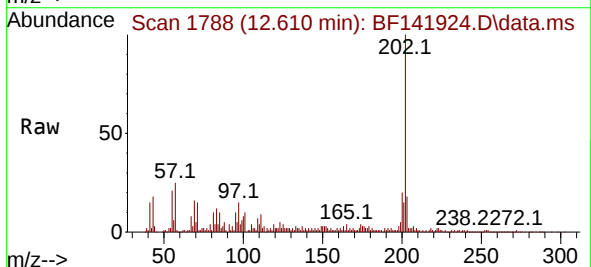
Manual Integrations
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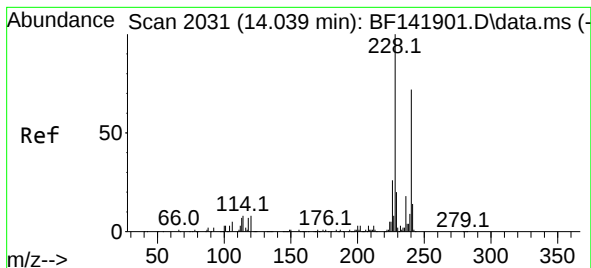
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#75
Fluoranthene
Concen: 3.639 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:202 Resp: 86871
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 18.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

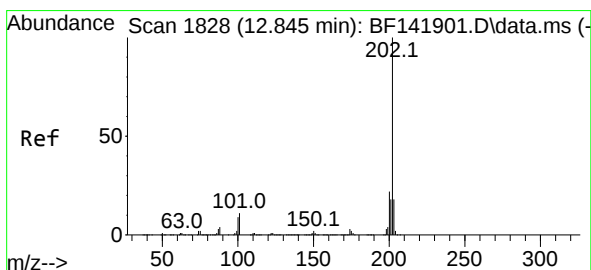
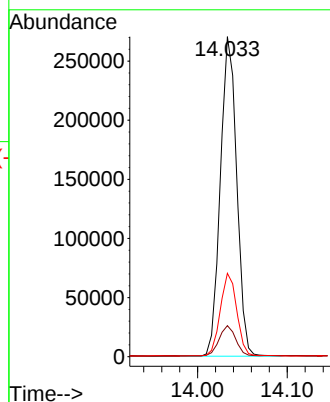
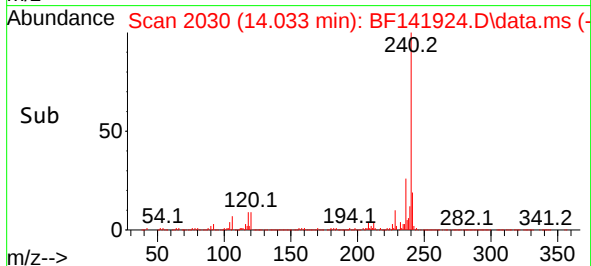
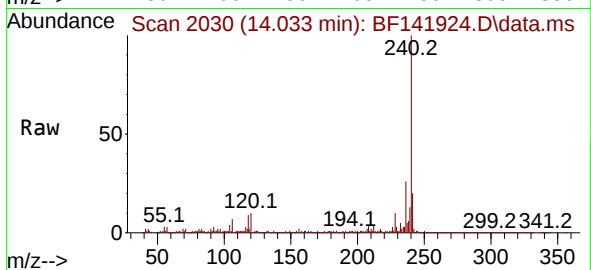
AU-06-030625

Tgt Ion:240 Resp: 343025
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.4 12.6
 236 26.1 20.5 30.7

Manual Integrations

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#78

Pyrene

Concen: 3.111 ng

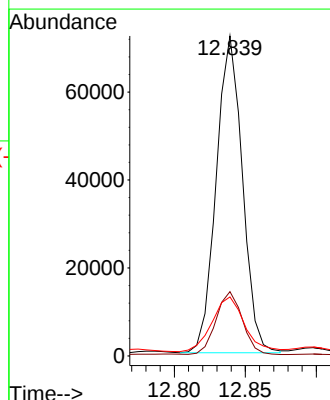
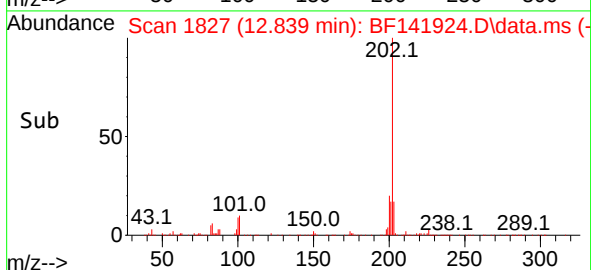
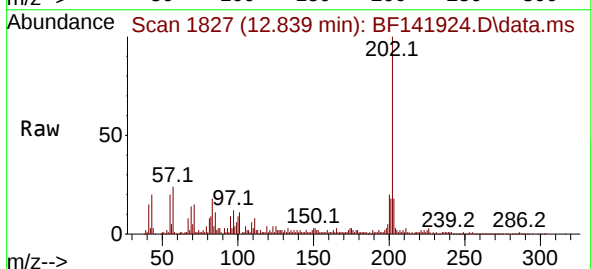
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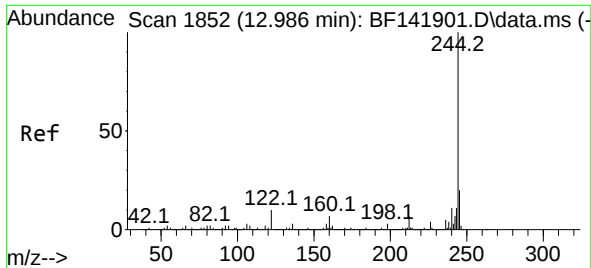
Delta R.T. -0.006 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Tgt Ion:202 Resp: 92306
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.3 25.9
 203 18.5 14.4 21.6





#79
 Terphenyl-d14
 Concen: 47.608 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF141924.D
 Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

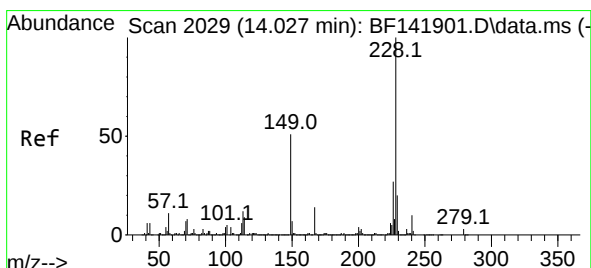
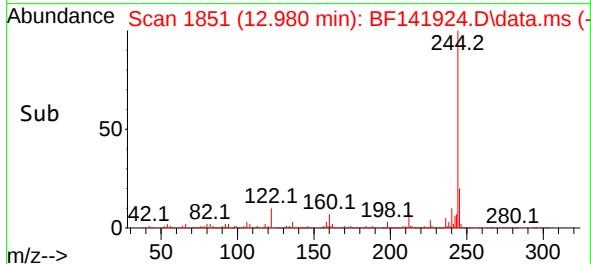
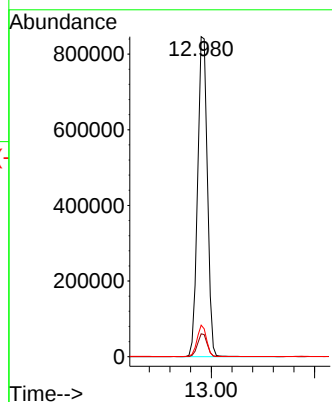
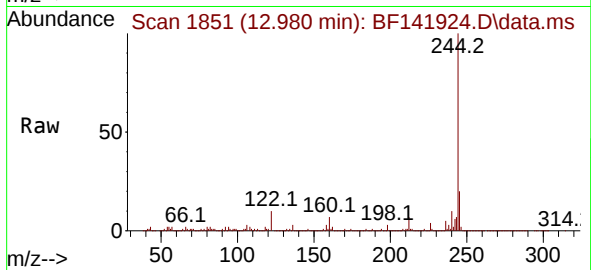
AU-06-030625

Tgt Ion:244 Resp: 110459
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.8 7.7 11.5

Manual Integrations

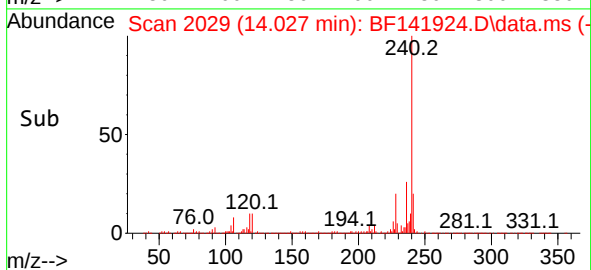
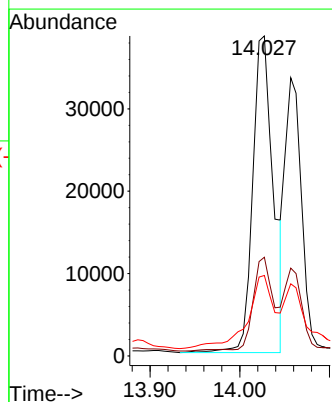
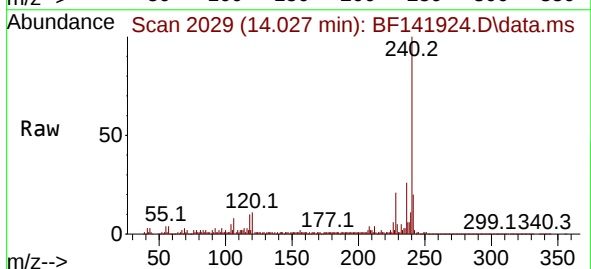
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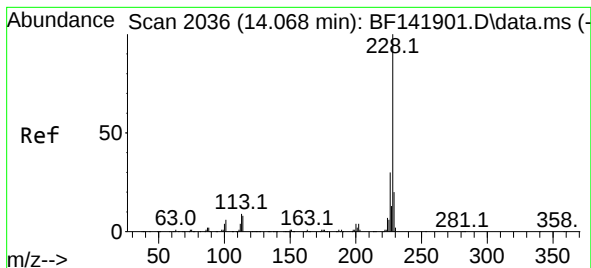
Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025



#81
 Benzo(a)anthracene
 Concen: 2.725 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF141924.D
 Acq: 11 Mar 2025 19:12

Tgt Ion:228 Resp: 61334
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.8
 229 25.2 16.0 24.0#





#83

Chrysene

Concen: 2.067 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Instrument :

BNA_F

ClientSampleId :

AU-06-030625

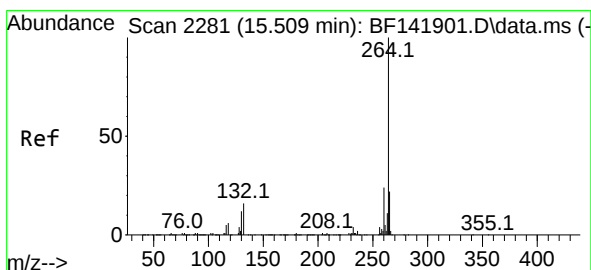
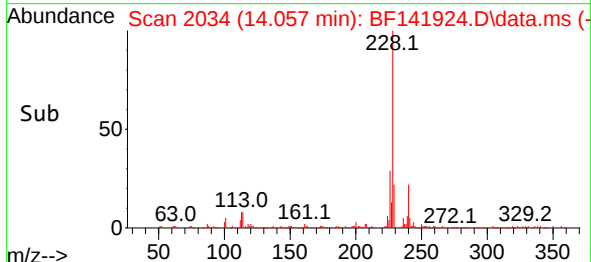
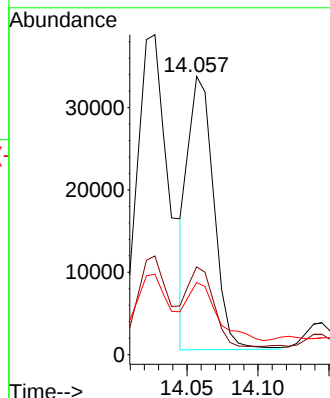
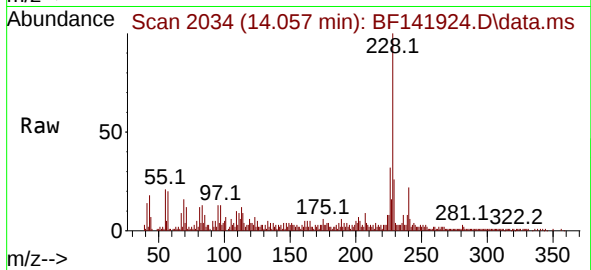
Tgt Ion:228 Resp: 42170

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	25.9	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

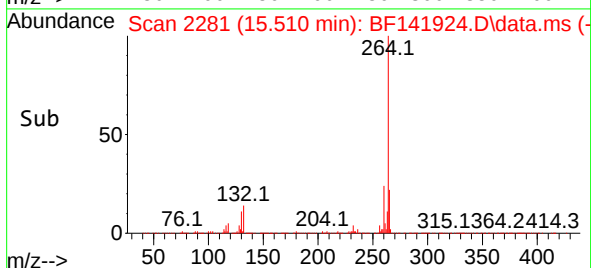
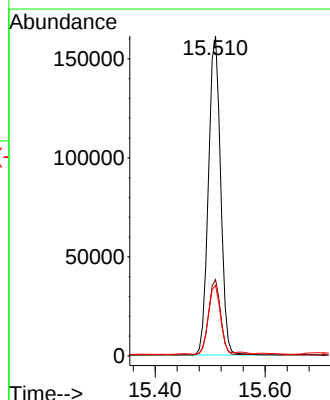
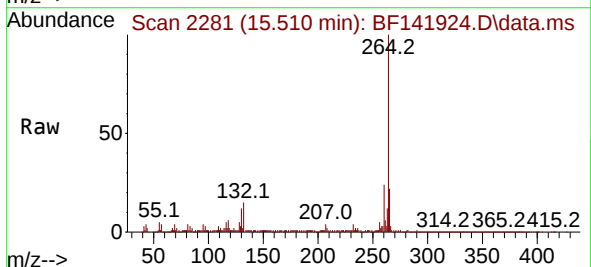
Delta R.T. 0.000 min

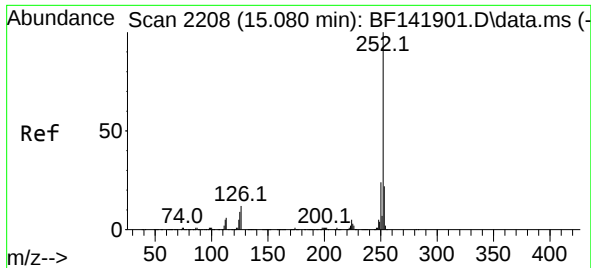
Lab File: BF141924.D

Acq: 11 Mar 2025 19:12

Tgt Ion:264 Resp: 246698

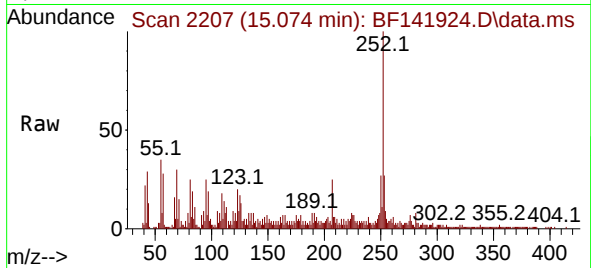
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.0	17.5	26.3





#88
Benzo(b)fluoranthene
Concen: 2.700 ng m
RT: 15.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

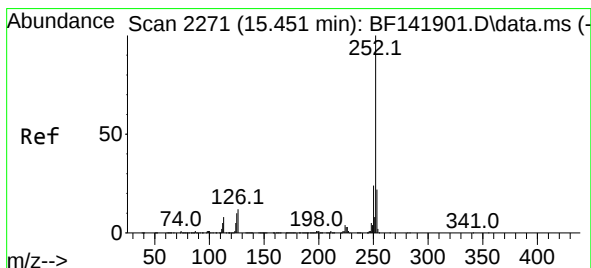
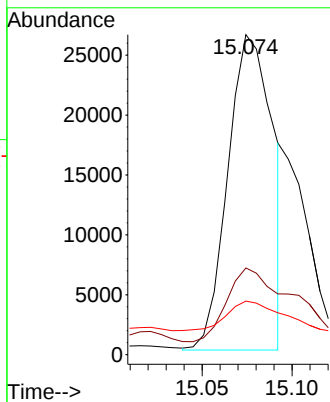
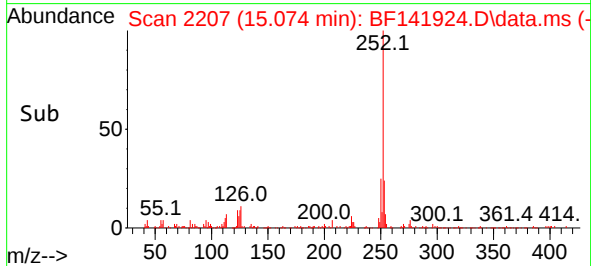
Instrument :
BNA_F
ClientSampleId :
AU-06-030625



Tgt Ion:252 Resp: 45650
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 16.8 7.0 10.4#

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#90
Benzo(a)pyrene
Concen: 2.312 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141924.D
Acq: 11 Mar 2025 19:12

Tgt Ion:252 Resp: 30583
Ion Ratio Lower Upper
252 100
253 26.4 17.4 26.0#
125 18.2 7.8 11.8#

