

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141928.D
 Acq On : 11 Mar 2025 21:12
 Operator : RC/JU
 Sample : Q1535-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-03102025

Manual Integrations
 APPROVED

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

Quant Time: Mar 12 01:17:47 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	123023	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	457275	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	234125	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	381881	20.000	ng	0.00
76) Chrysene-d12	14.033	240	329644	20.000	ng	0.00
86) Perylene-d12	15.510	264	234413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	119664	16.234	ng	0.00
7) Phenol-d6	6.493	99	149590	15.939	ng	-0.01
23) Nitrobenzene-d5	7.434	82	89814	11.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	40033	13.478	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	195080	12.672	ng	0.00
79) Terphenyl-d14	12.980	244	219509	9.845	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	151324	7.336	ng	98
72) Anthracene	11.475	178	54067	2.613	ng	100
75) Fluoranthene	12.610	202	404018	18.465	ng	100
78) Pyrene	12.839	202	374869	13.147	ng	99
81) Benzo(a)anthracene	14.027	228	228333	10.556	ng	94
83) Chrysene	14.063	228	159867	8.153	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	63097	4.161	ng	95
88) Benzo(b)fluoranthene	15.080	252	170797m	10.631	ng	
89) Benzo(k)fluoranthene	15.092	252	66106m	4.808	ng	
90) Benzo(a)pyrene	15.445	252	115552	9.192	ng	98
92) Benzo(g,h,i)perylene	17.433	276	57678	4.665	ng	98

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

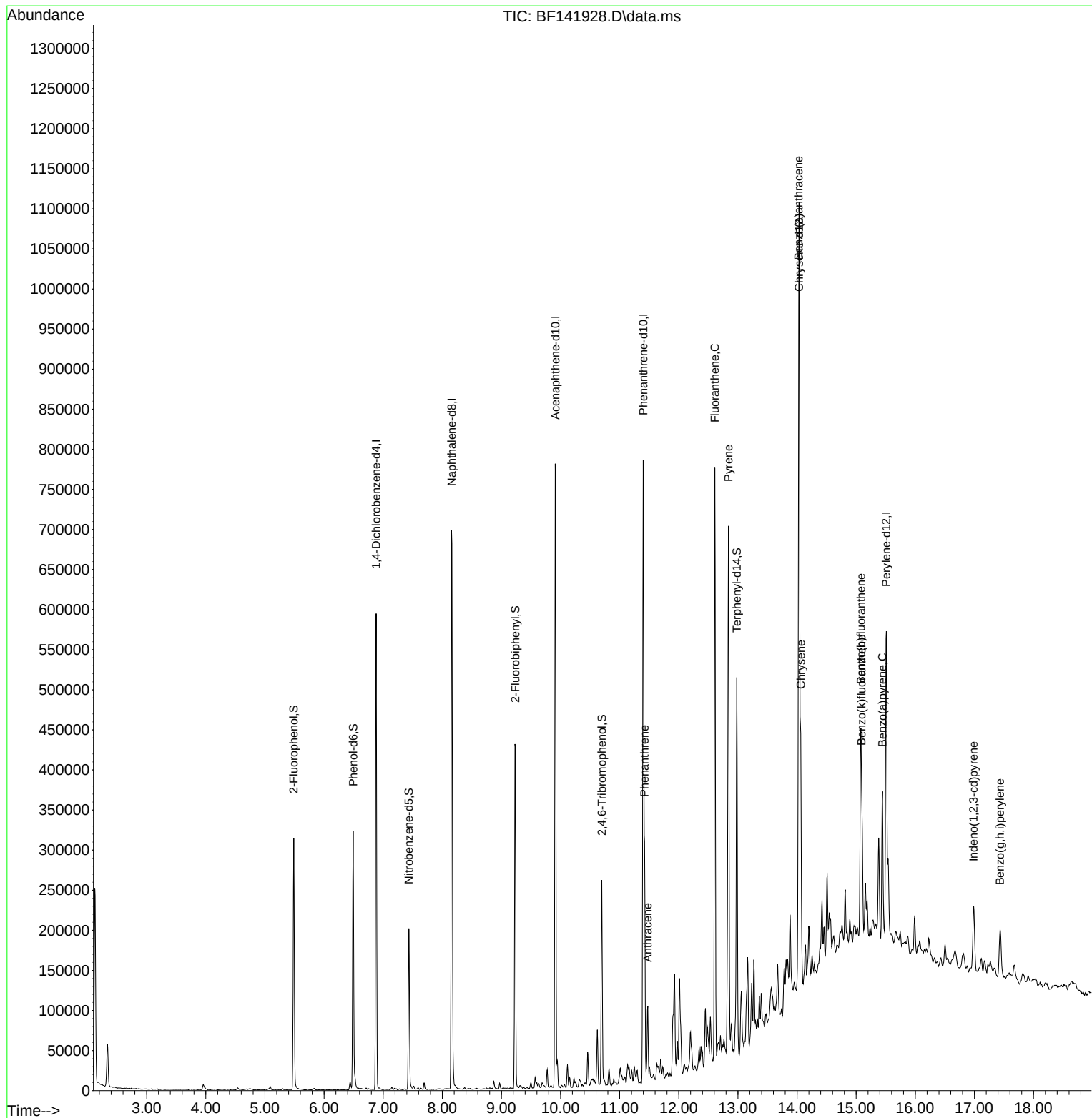
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141928.D
Acq On : 11 Mar 2025 21:12
Operator : RC/JU
Sample : Q1535-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

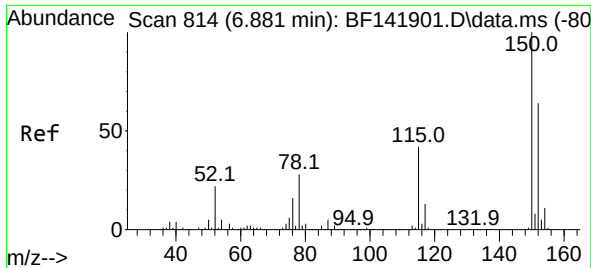
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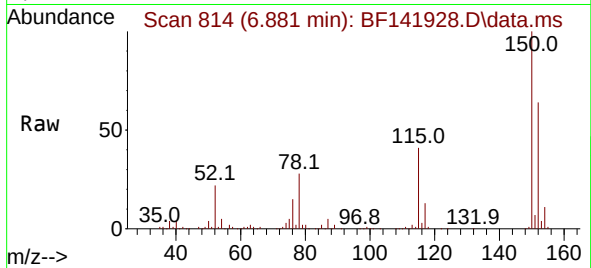
Quant Time: Mar 12 01:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

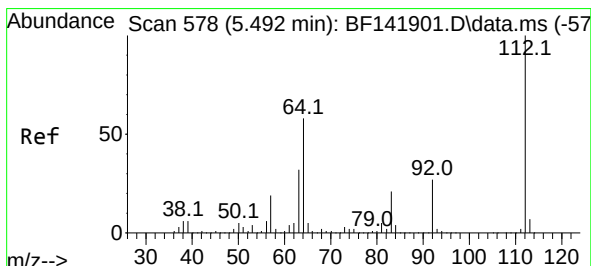
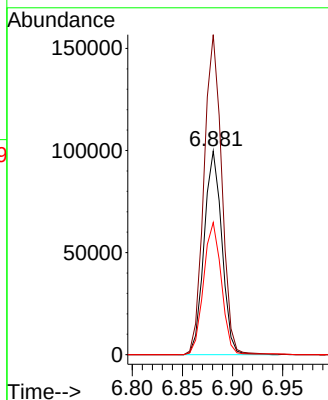
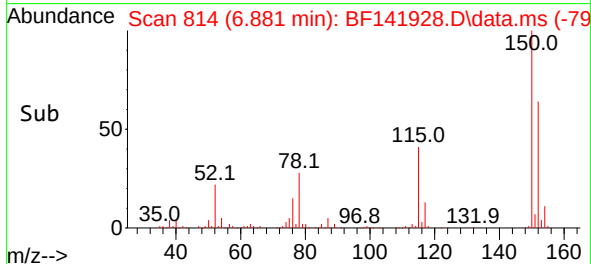
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025



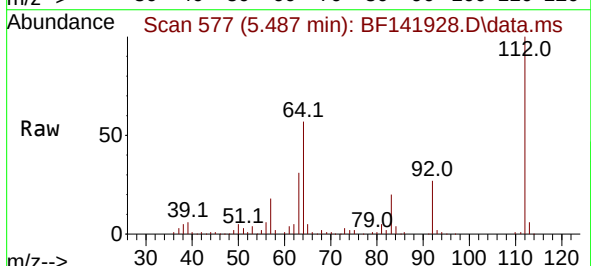
Tgt Ion:152 Resp: 123023
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.2
115 64.9 51.9 77.9

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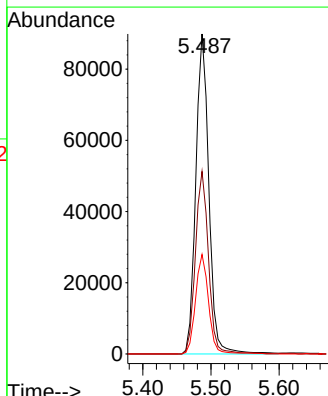
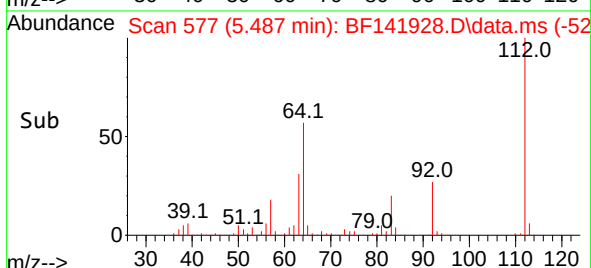
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

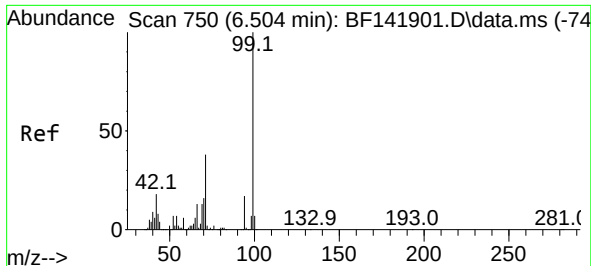


#5
2-Fluorophenol
Concen: 16.234 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12



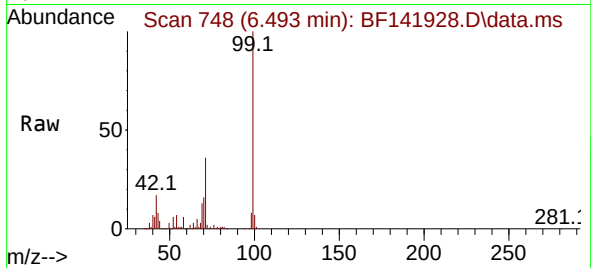
Tgt Ion:112 Resp: 119664
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 31.1 25.4 38.2





#7
Phenol-d6
Concen: 15.939 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

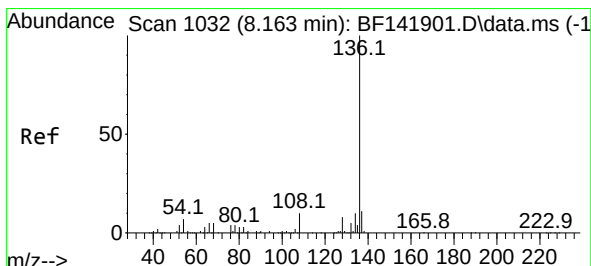
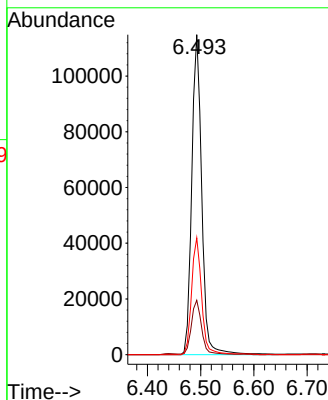
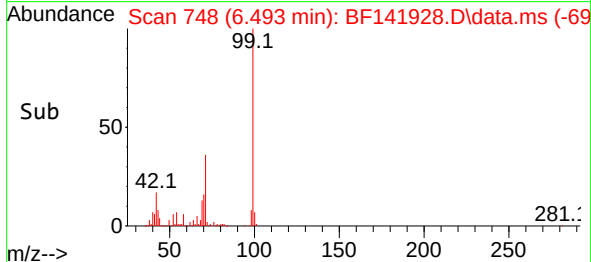
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025



Tgt Ion: 99 Resp: 149590
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 36.5 30.8 46.2

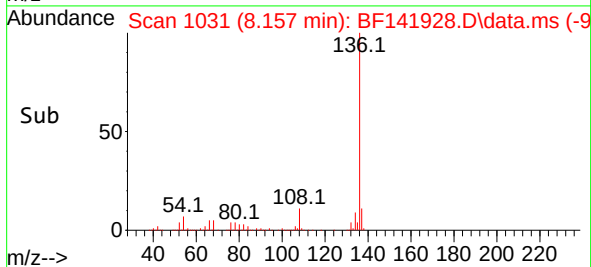
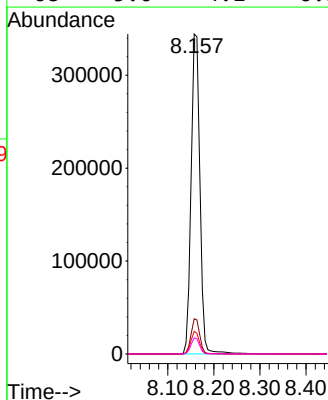
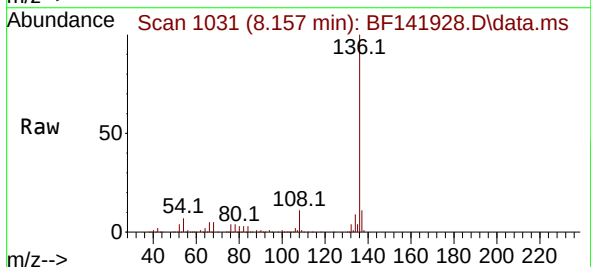
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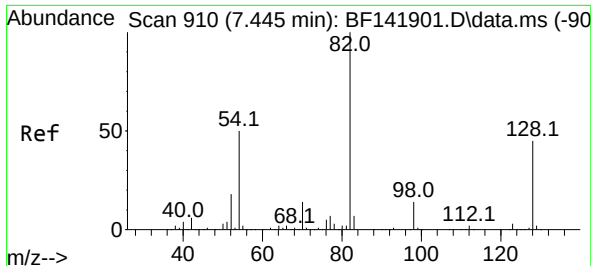
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion:136 Resp: 457275
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.1 5.8 8.8
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 11.053 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

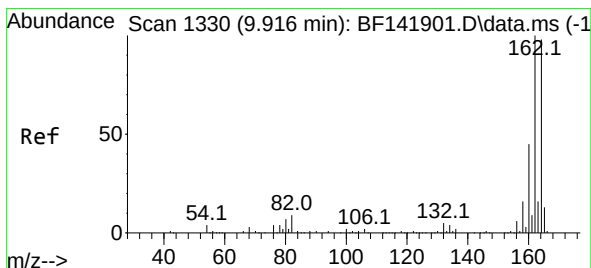
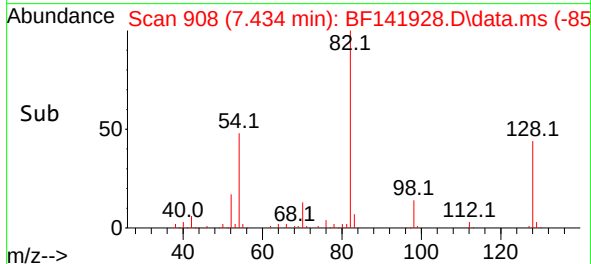
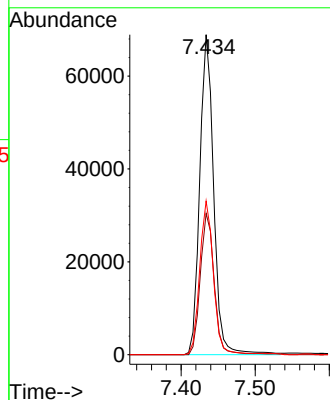
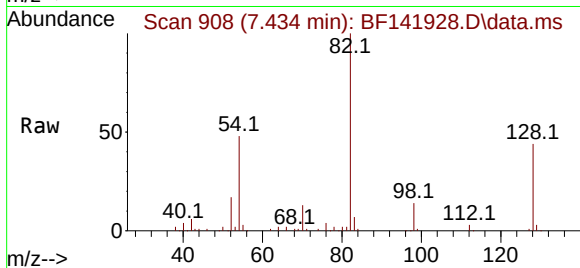
SU-03-03102025

Tgt Ion: 82	Resp: 89814
Ion Ratio	Lower Upper
82 100	
128 44.1	36.0 54.0
54 48.0	39.6 59.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

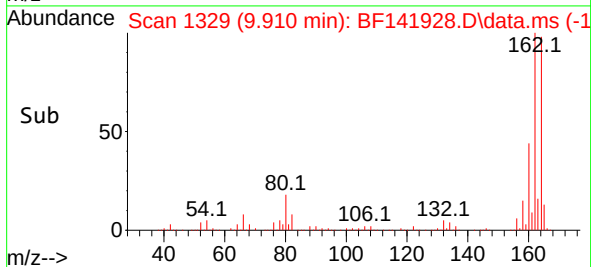
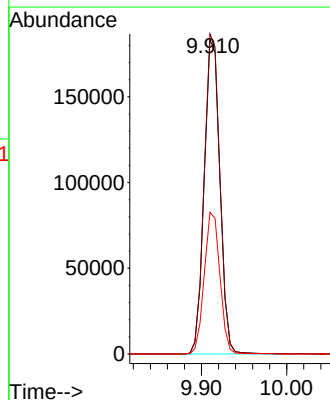
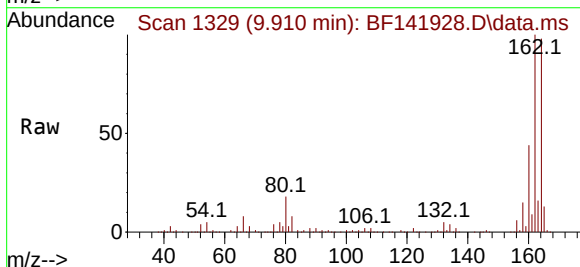
RT: 9.910 min Scan# 1329

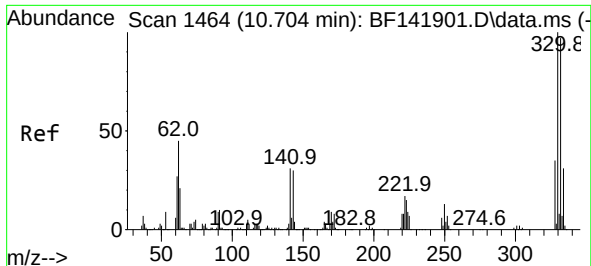
Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Tgt Ion:164	Resp: 234125
Ion Ratio	Lower Upper
164 100	
162 101.9	81.8 122.6
160 45.1	36.7 55.1





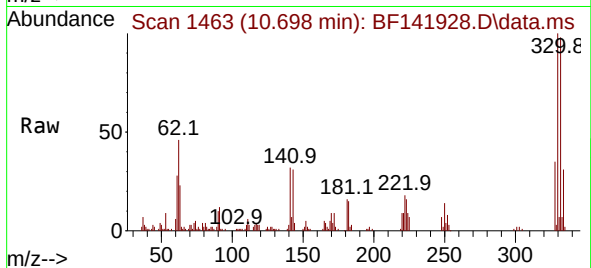
#42
2,4,6-Tribromophenol
Concen: 13.478 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

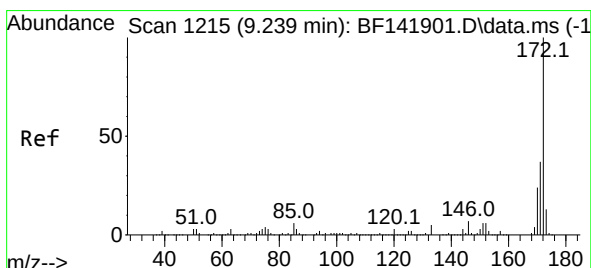
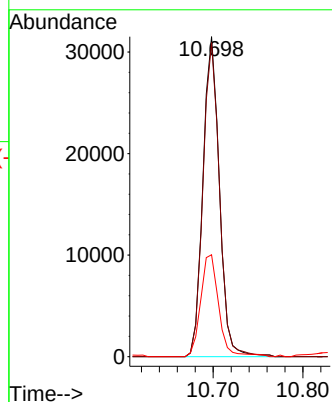
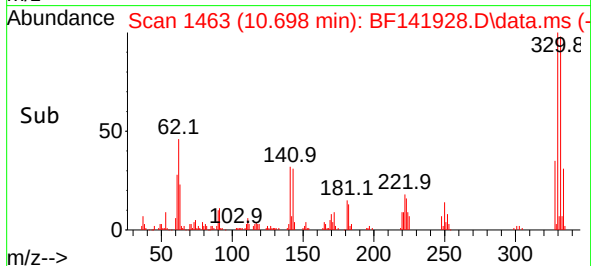


Tgt Ion: 330 Resp: 4003
Ion Ratio Lower Upper
330 100
332 98.7 77.6 116.4
141 35.0 24.7 37.1

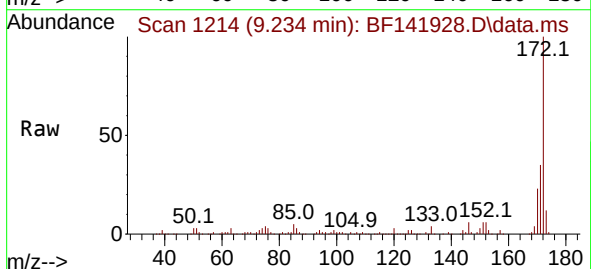
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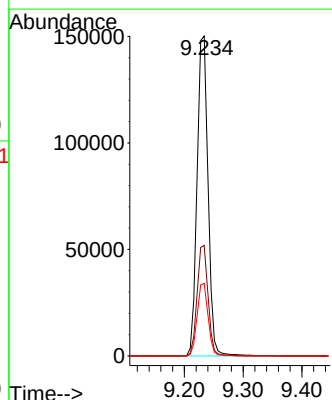
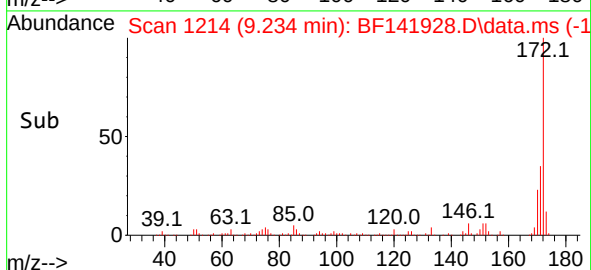
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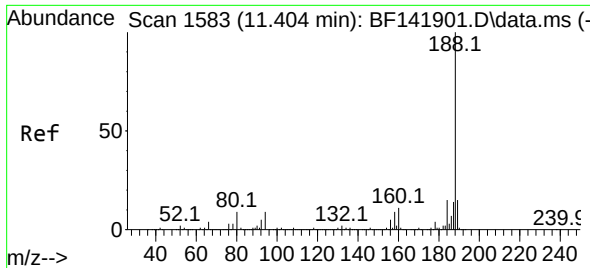


#45
2-Fluorobiphenyl
Concen: 12.672 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12



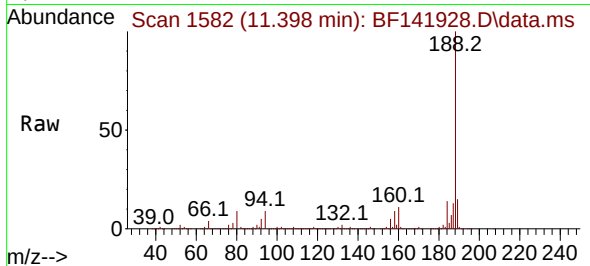
Tgt Ion: 172 Resp: 195080
Ion Ratio Lower Upper
172 100
171 34.5 29.3 43.9
170 22.7 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

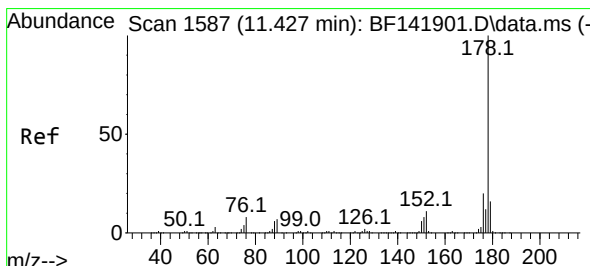
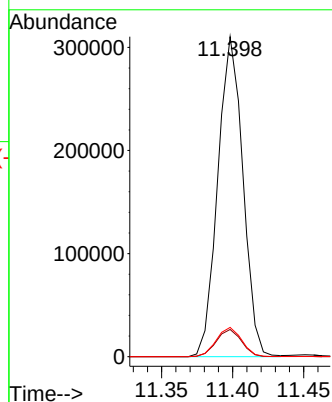
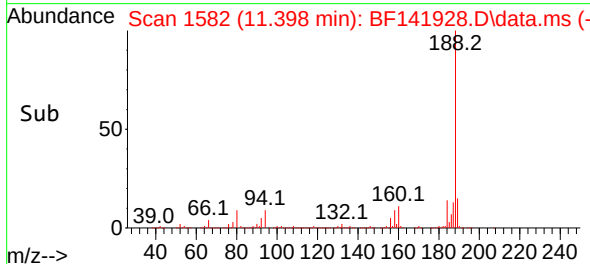
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BNA_F
ClientSampleId :
SU-03-03102025



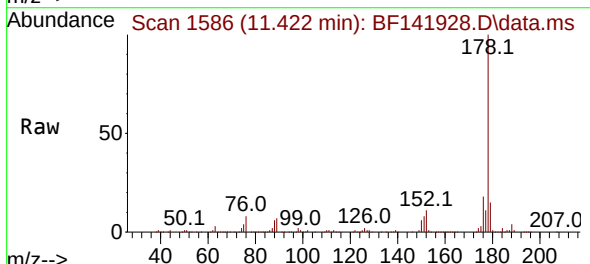
Tgt Ion:188 Resp: 38188
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.1 7.6 11.4

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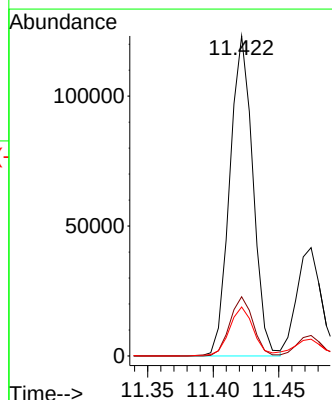
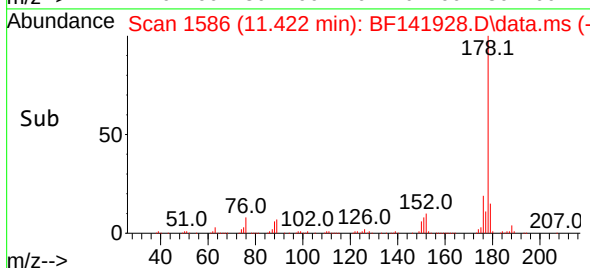
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

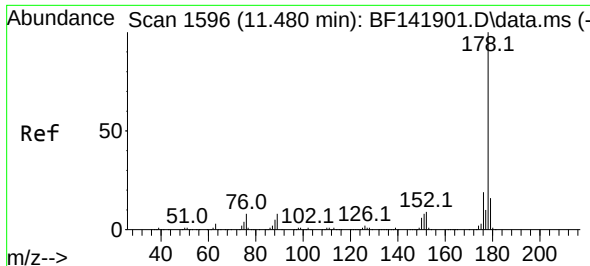


#71
Phenanthrene
Concen: 7.336 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12



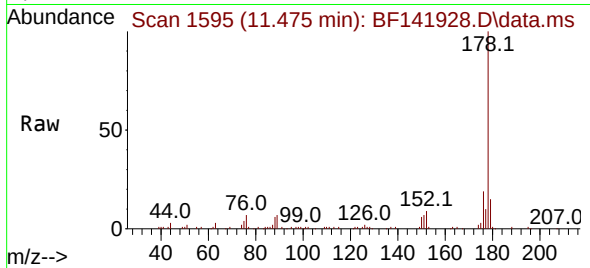
Tgt Ion:178 Resp: 151324
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.3 12.6 19.0





#72
 Anthracene
 Concen: 2.613 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141928.D
 Acq: 11 Mar 2025 21:12

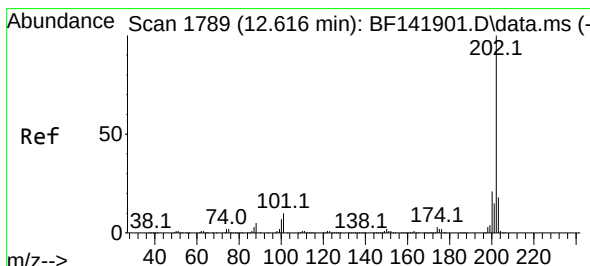
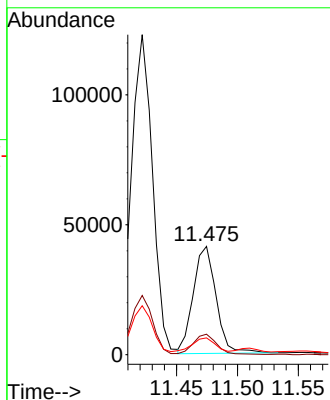
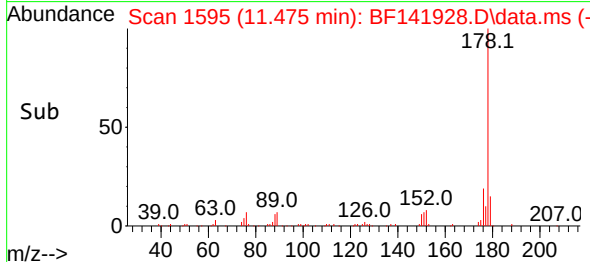
Instrument :
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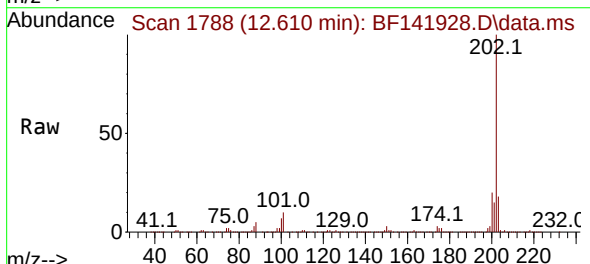
Tgt Ion:178 Resp: 5406
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.4 12.6 19.0

Manual Integrations
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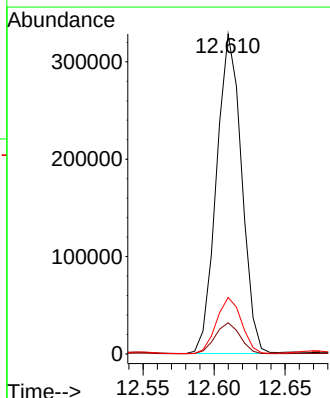
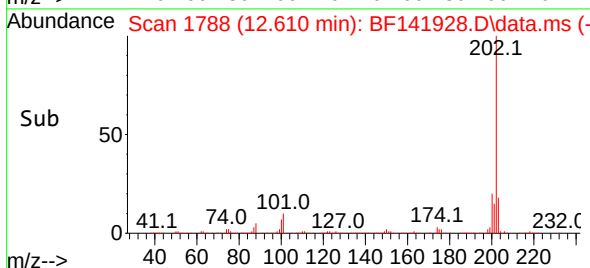
Reviewed By :Anahy Claudio 03/12/2025
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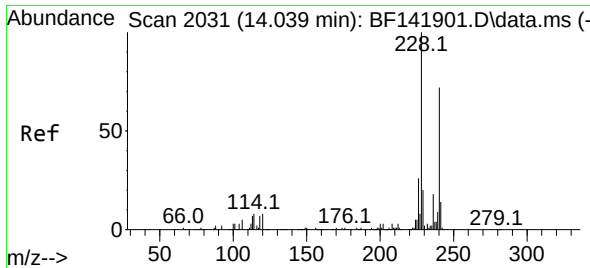


#75
 Fluoranthene
 Concen: 18.465 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF141928.D
 Acq: 11 Mar 2025 21:12



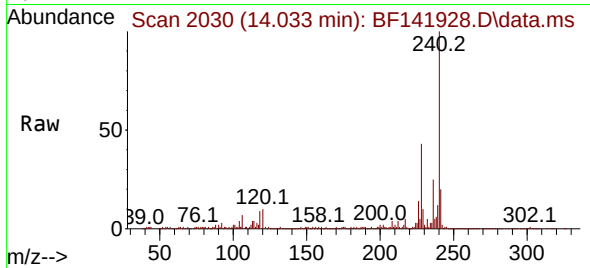
Tgt Ion:202 Resp: 404018
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.7
 203 17.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

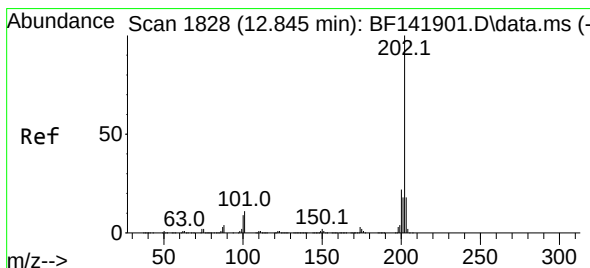
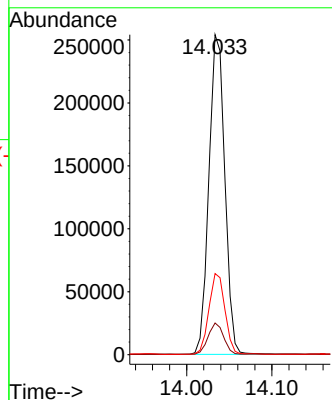
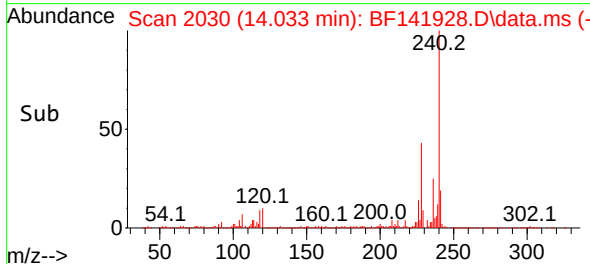
Instrument :
BNA_F
ClientSampleId :
SU-03-03102025



Tgt Ion:240 Resp: 329644
Ion Ratio Lower Upper
240 100
120 9.9 8.4 12.6
236 25.4 20.5 30.7

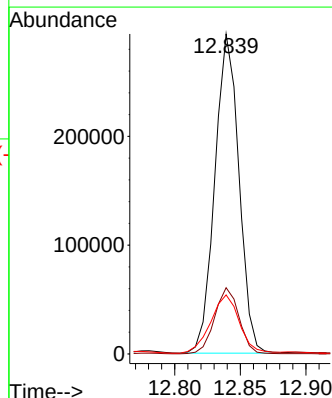
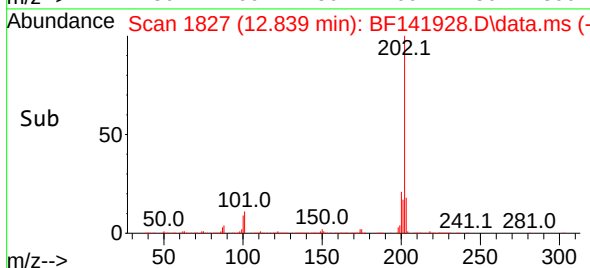
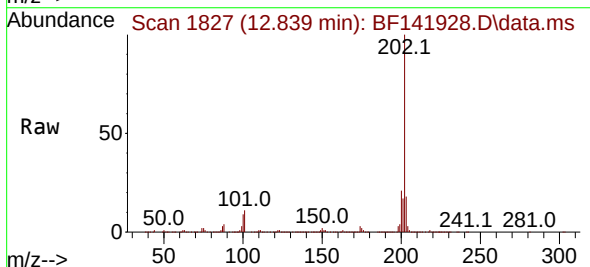
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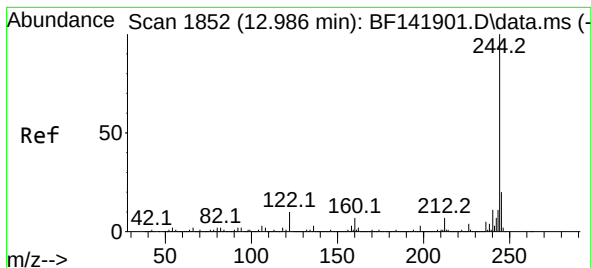
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#78
Pyrene
Concen: 13.147 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141928.D
Acq: 11 Mar 2025 21:12

Tgt Ion:202 Resp: 374869
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 18.4 14.4 21.6





#79

Terphenyl-d14

Concen: 9.845 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF141928.D

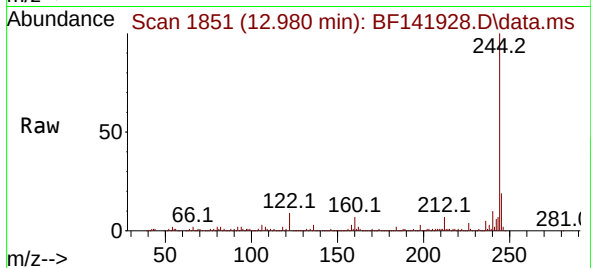
Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025



Tgt Ion:244 Resp: 219509

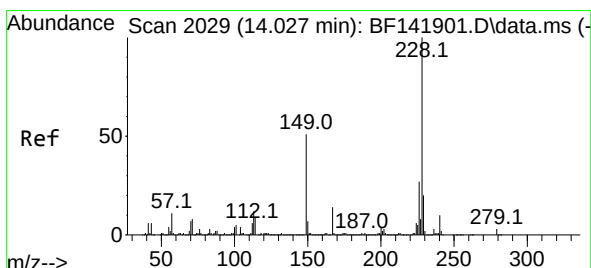
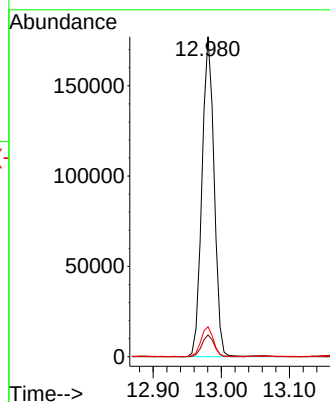
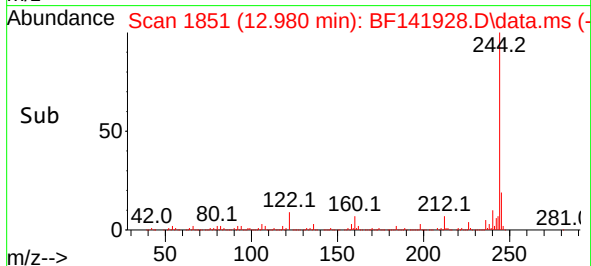
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.4	7.7	11.5

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: 10.556 ng

RT: 14.027 min Scan# 2029

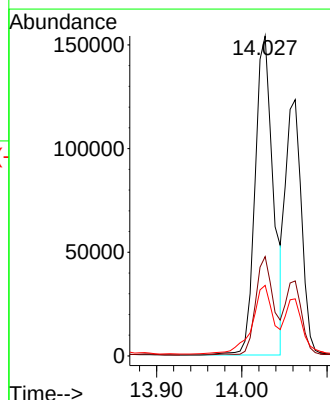
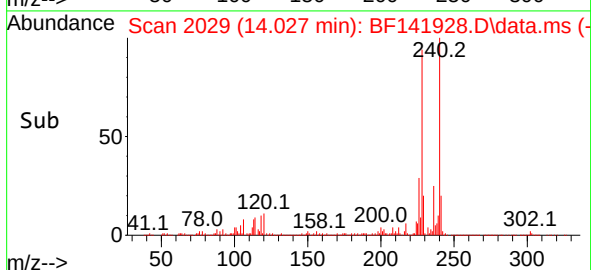
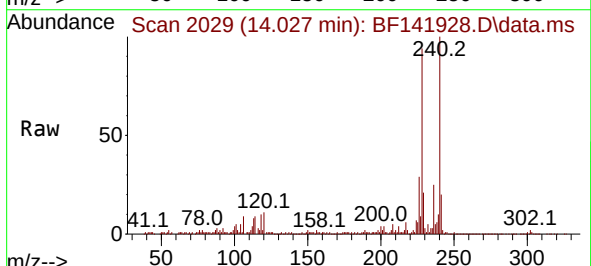
Delta R.T. 0.000 min

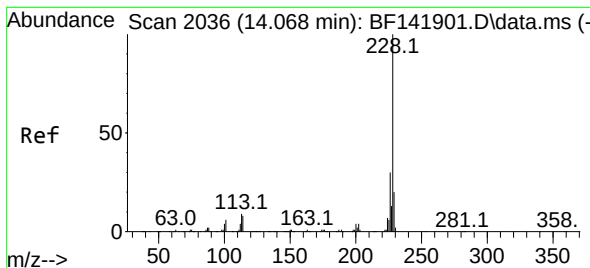
Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Tgt Ion:228 Resp: 228333

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.8	32.8
229	22.0	16.0	24.0





#83

Chrysene

Concen: 8.153 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141928.D

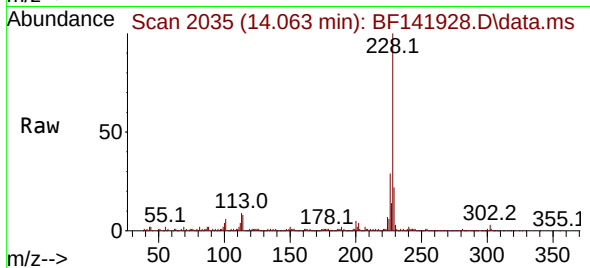
Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025



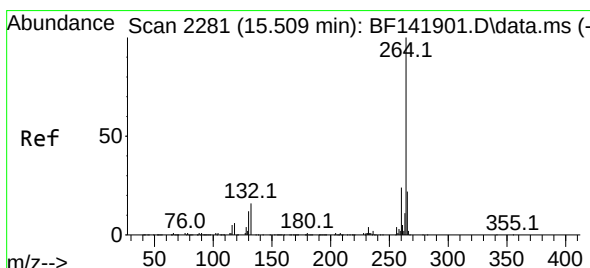
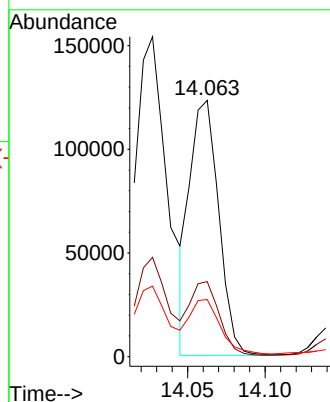
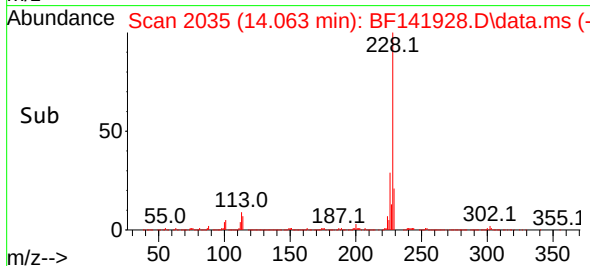
Tgt Ion:	228	Resp:	15986
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.1	36.1
229	22.3	15.7	23.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#86

Perylene-d12

Concen: 20.000 ng

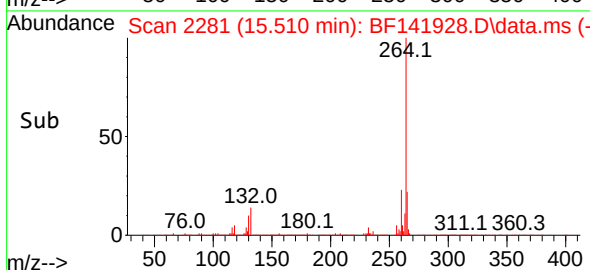
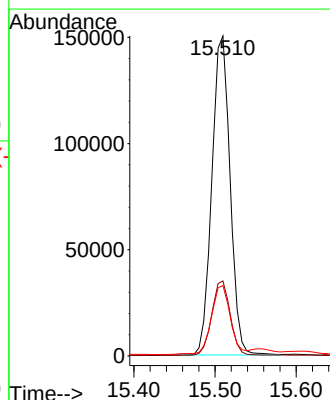
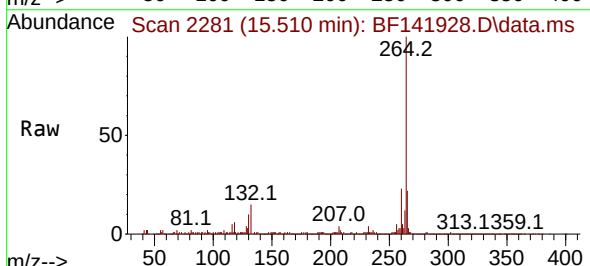
RT: 15.510 min Scan# 2281

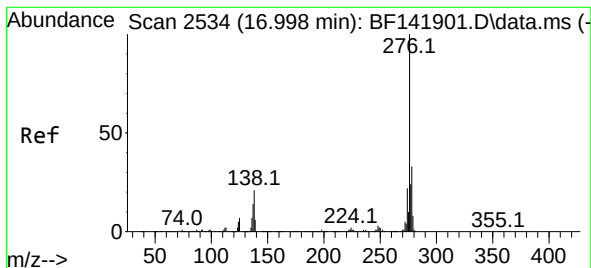
Delta R.T. 0.000 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Tgt Ion:	264	Resp:	234413
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.1	28.7
265	22.0	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.161 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

SU-03-03102025

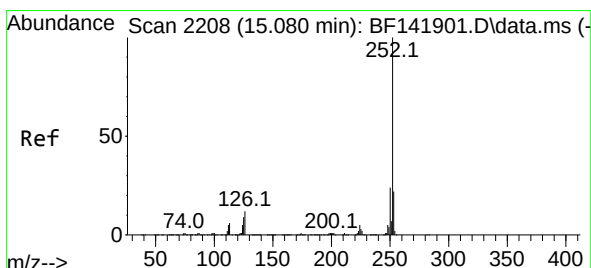
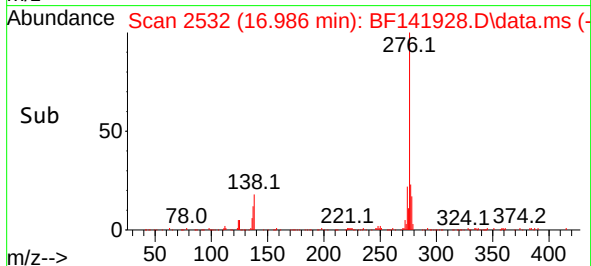
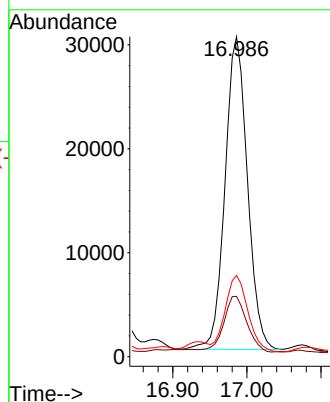
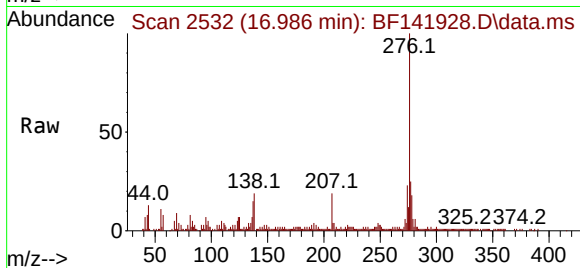
Tgt Ion:	276	Resp:	6309
Ion Ratio	Lower	Upper	
276	100		
138	18.5	18.4	27.6
277	24.9	20.3	30.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#88

Benzo(b)fluoranthene

Concen: 10.631 ng m

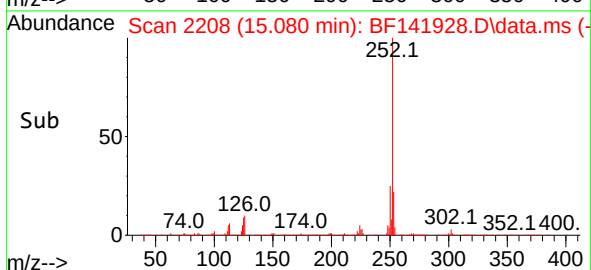
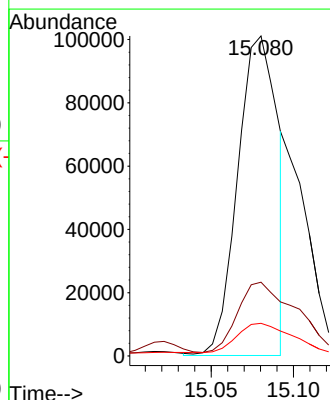
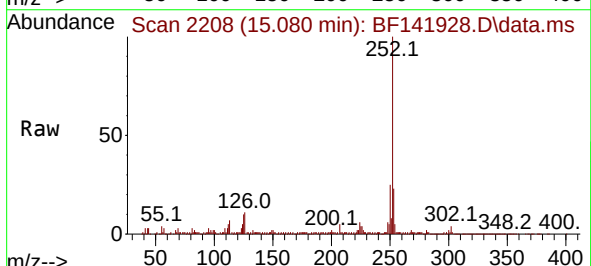
RT: 15.080 min Scan# 2208

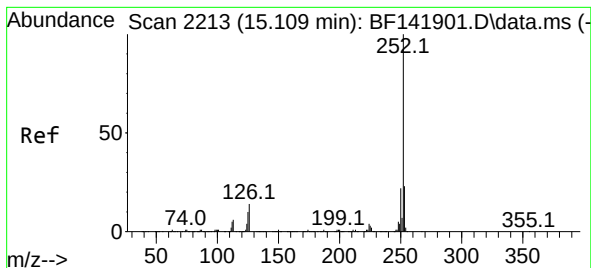
Delta R.T. 0.000 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Tgt Ion:	252	Resp:	170797
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	10.2	7.0	10.4





#89

Benzo(k)fluoranthene

Concen: 4.808 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

Instrument :

BNA_F

ClientSampleId :

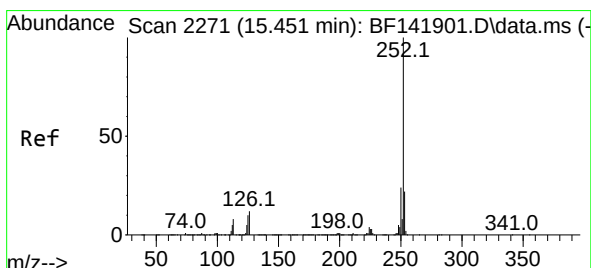
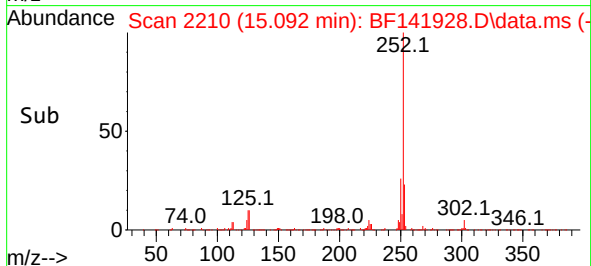
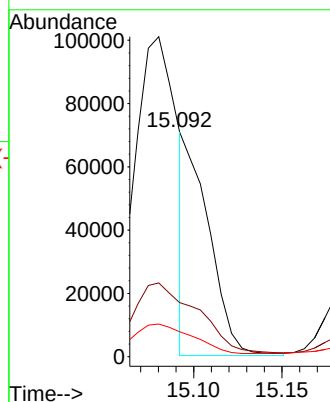
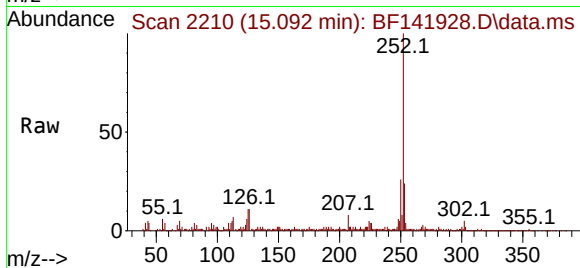
SU-03-03102025

Tgt Ion:252 Resp: 66100
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.7 26.5
 125 11.1 7.2 10.8

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 9.192 ng

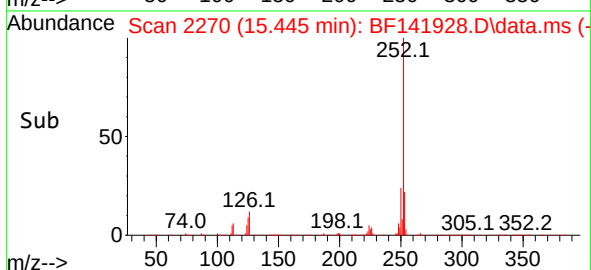
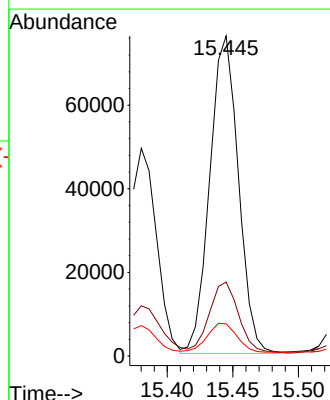
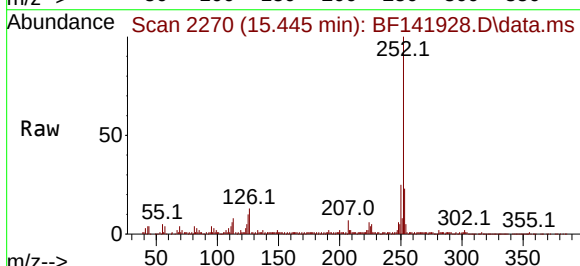
RT: 15.445 min Scan# 2270

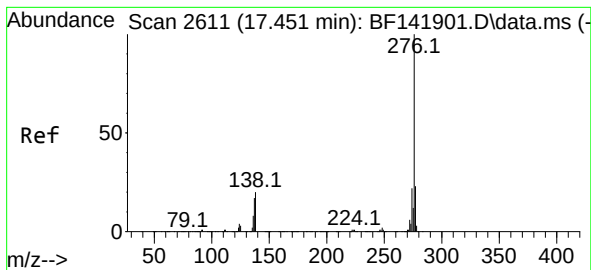
Delta R.T. -0.006 min

Lab File: BF141928.D

Acq: 11 Mar 2025 21:12

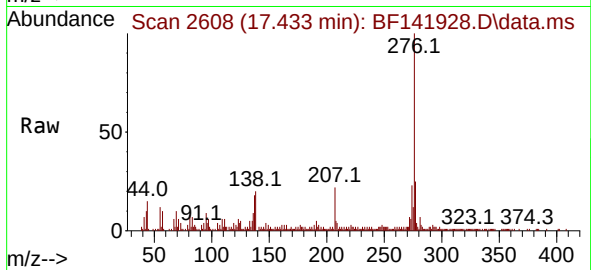
Tgt Ion:252 Resp: 115552
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.0
 125 10.0 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.665 ng
 RT: 17.433 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF141928.D
 Acq: 11 Mar 2025 21:12

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-03102025



Tgt Ion: 276 Resp: 57678
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.7 28.1
 138 20.1 15.8 23.8

Manual Integrations
 APPROVED

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

