

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141976.D
 Acq On : 17 Mar 2025 11:12
 Operator : RC/JU
 Sample : Q1549-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/18/2025
 Supervised By :Jagrut Upadhyay 03/18/2025

Quant Time: Mar 17 11:39:33 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	150219	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	538640	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	252205	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	333117	20.000	ng	0.00
76) Chrysene-d12	14.033	240	338375	20.000	ng	0.00
86) Perylene-d12	15.509	264	406490	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	776268	86.245	ng	0.00
7) Phenol-d6	6.498	99	931218	81.259	ng	0.00
23) Nitrobenzene-d5	7.439	82	612438	63.986	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	230901	72.167	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1132190	68.272	ng	0.00
79) Terphenyl-d14	12.980	244	908188	39.681	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.198	266	7450	2.635	ng	95
71) Phenanthrene	11.422	178	56911	3.163	ng	99
75) Fluoranthene	12.610	202	116803	6.120	ng	98
78) Pyrene	12.839	202	113727	3.885	ng	98
81) Benzo(a)anthracene	14.027	228	72507m	3.265	ng	
83) Chrysene	14.063	228	92982	4.620	ng	97
84) Bis(2-ethylhexyl)phtha...	14.015	149	40605	2.571	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	64226	2.442	ng	95
88) Benzo(b)fluoranthene	15.080	252	164140m	5.892	ng	
89) Benzo(k)fluoranthene	15.092	252	55509m	2.328	ng	
90) Benzo(a)pyrene	15.445	252	91620	4.203	ng	99
92) Benzo(g,h,i)perylene	17.439	276	60654	2.829	ng	96

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

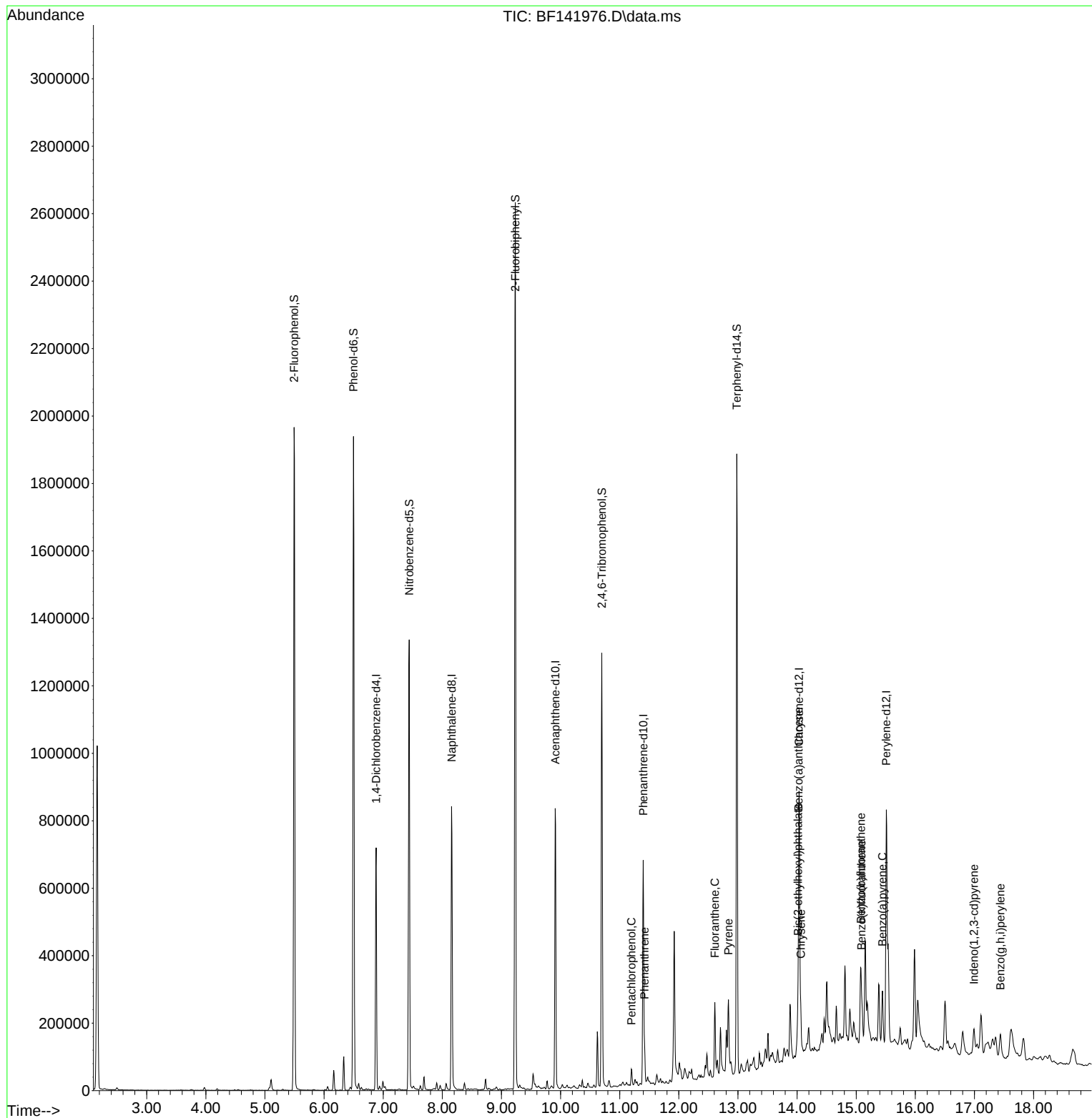
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

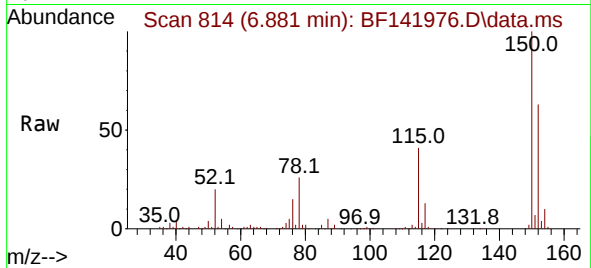
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

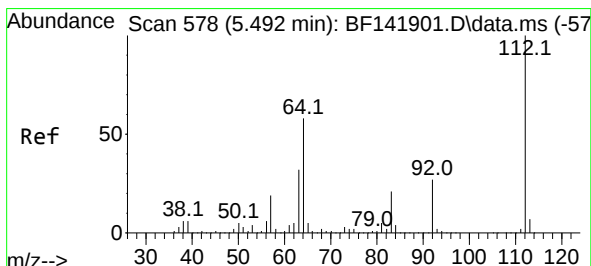
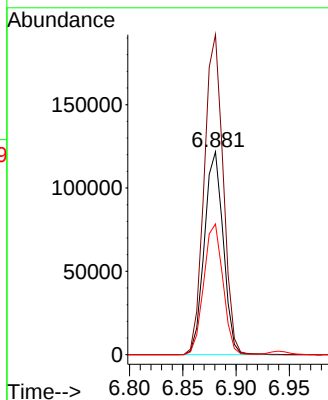
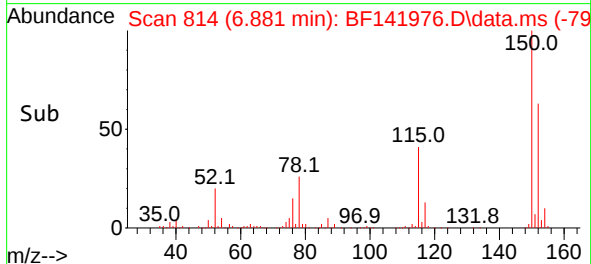
Instrument :
BNA_F
ClientSampleId :
72-11978



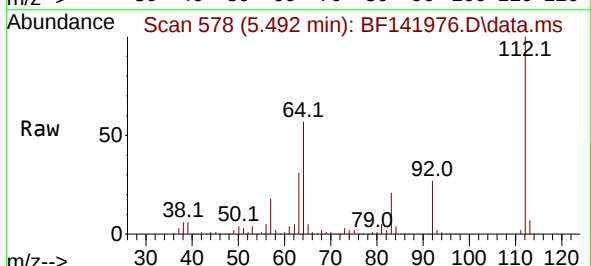
Tgt Ion:152 Resp: 150219
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 64.4 51.9 77.9

Manual Integrations
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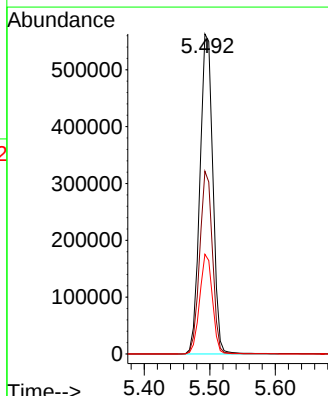
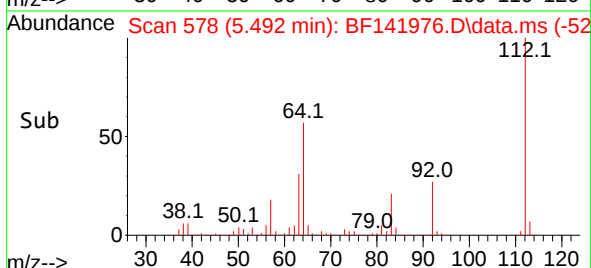
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#5
2-Fluorophenol
Concen: 86.245 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12



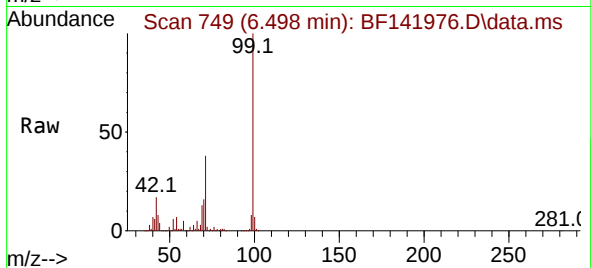
Tgt Ion:112 Resp: 776268
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 31.2 25.4 38.2





#7
Phenol-d6
Concen: 81.259 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

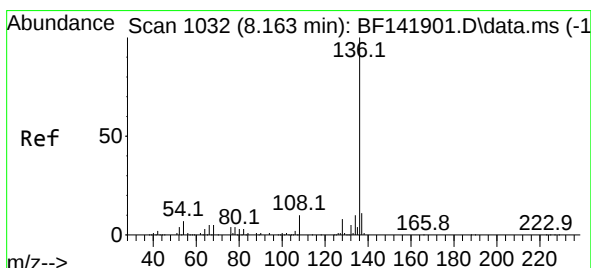
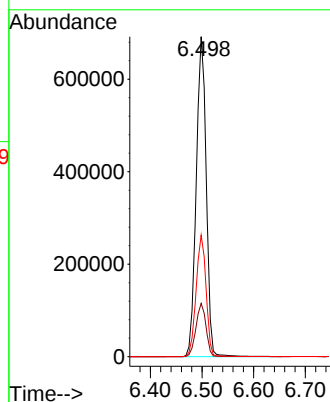
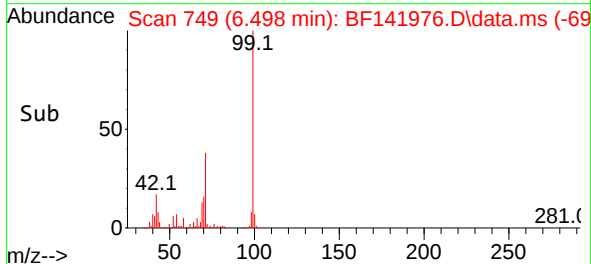
Instrument :
BNA_F
ClientSampleId :
72-11978



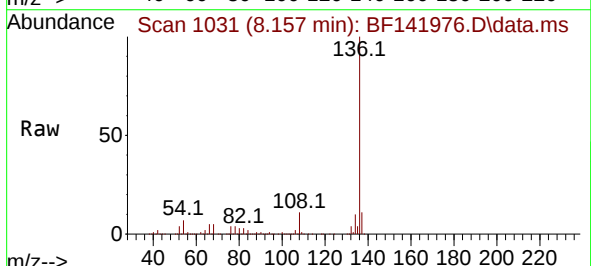
Tgt Ion: 99 Resp: 931218
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 38.0 30.8 46.2

Manual Integrations
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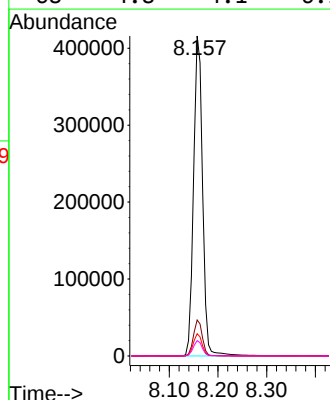
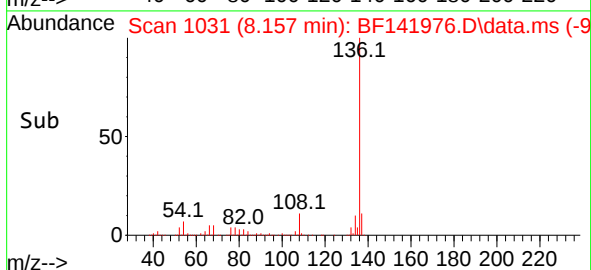
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12



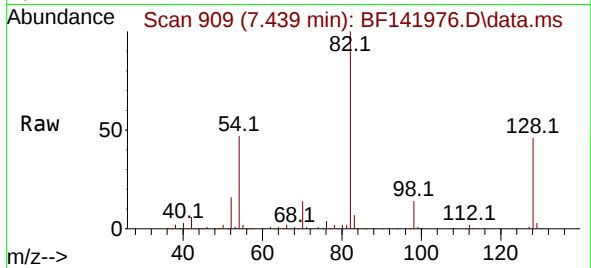
Tgt Ion:136 Resp: 538640
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 63.986 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

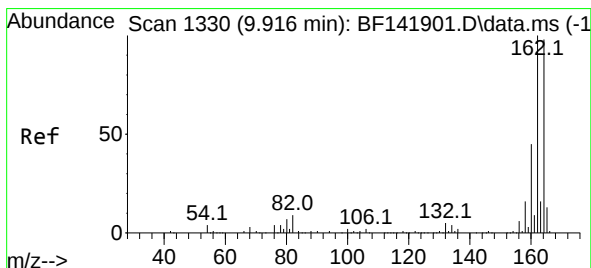
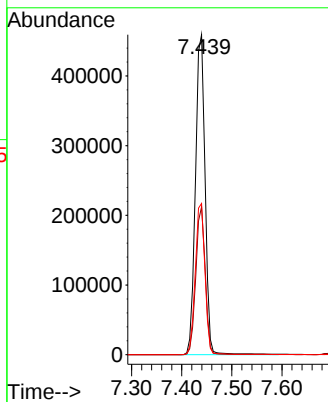
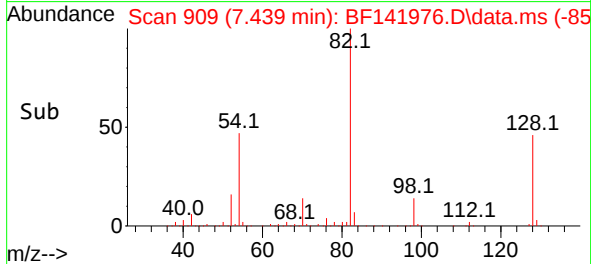
Instrument :
BNA_F
ClientSampleId :
72-11978



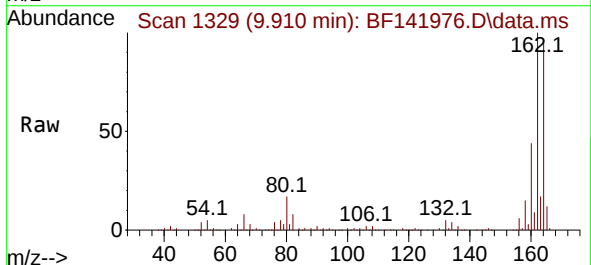
Tgt Ion: 82 Resp: 612438
Ion Ratio Lower Upper
82 100
128 46.2 36.0 54.0
54 47.3 39.6 59.4

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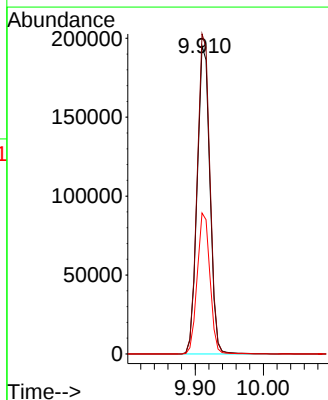
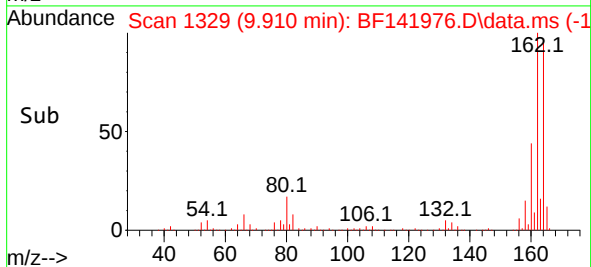
Reviewed By :Anahy Claudio 03/18/2025
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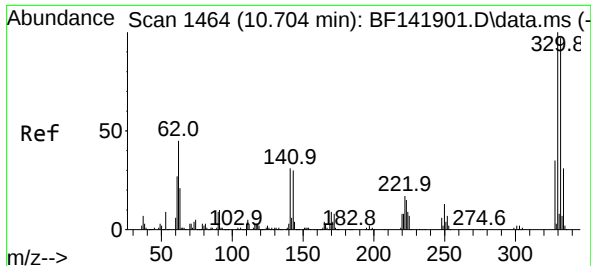


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12



Tgt Ion:164 Resp: 252205
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 45.8 36.7 55.1





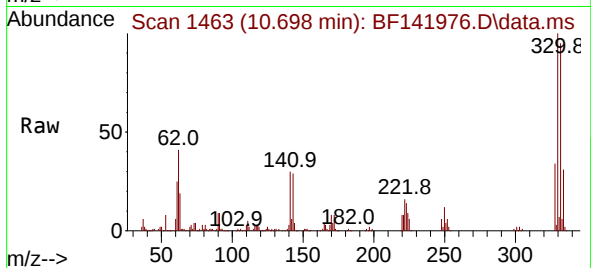
#42
2,4,6-Tribromophenol
Concen: 72.167 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

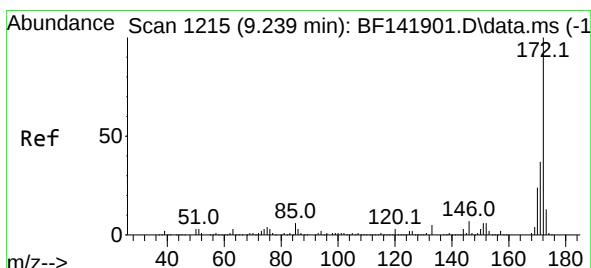
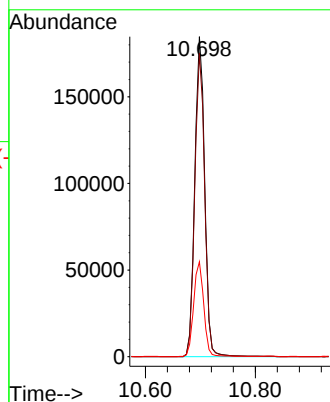
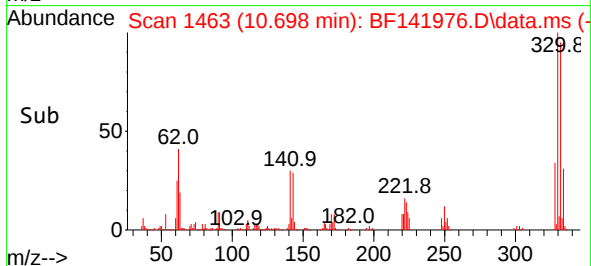


Tgt Ion:330 Resp: 23090
Ion Ratio Lower Upper
330 100
332 94.9 77.6 116.4
141 30.5 24.7 37.1

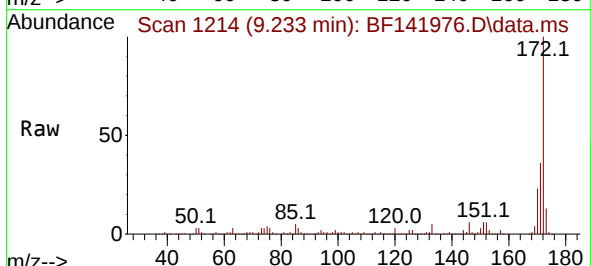
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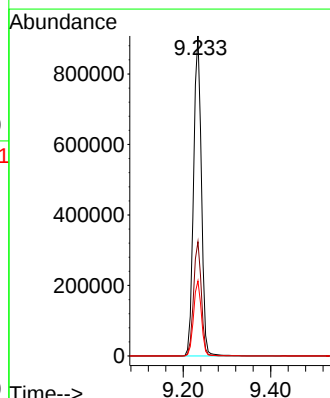
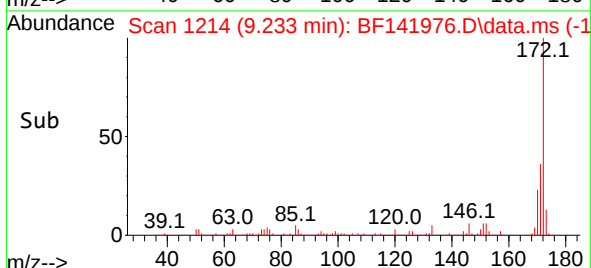
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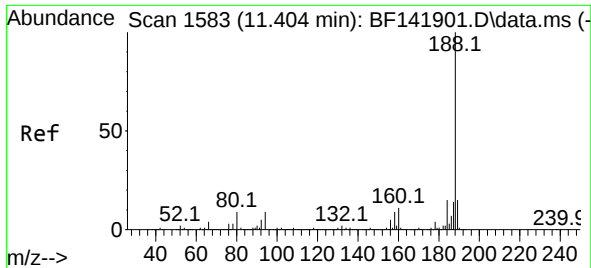


#45
2-Fluorobiphenyl
Concen: 68.272 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12



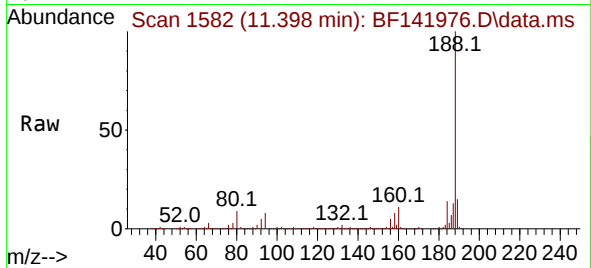
Tgt Ion:172 Resp: 1132190
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.4 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

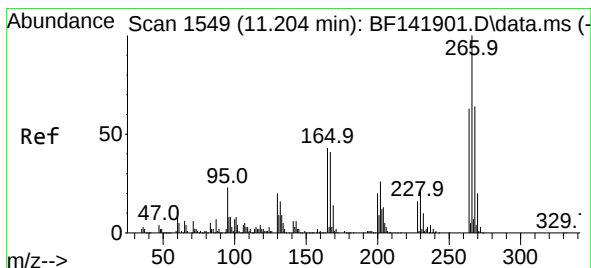
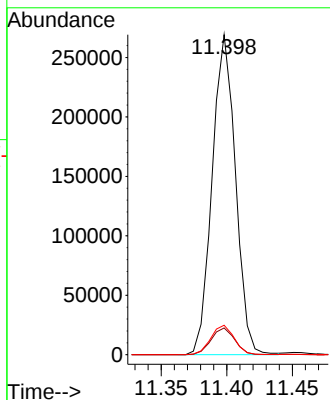
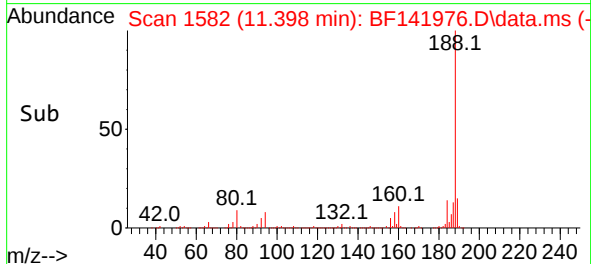
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:188 Resp: 33311
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.2 7.6 11.4

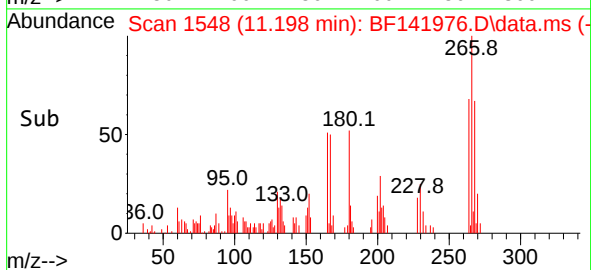
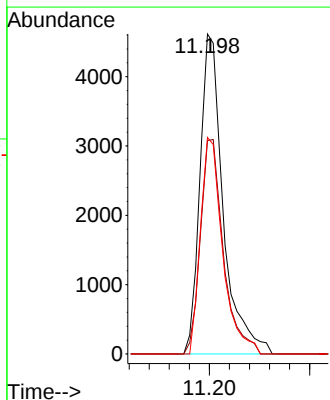
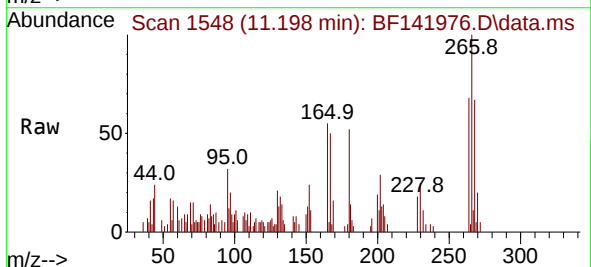
Manual Integrations
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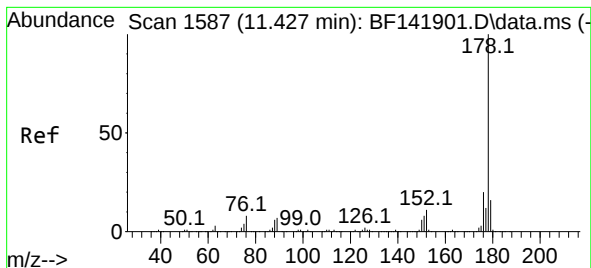
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#70
Pentachlorophenol
Concen: 2.635 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:266 Resp: 7450
Ion Ratio Lower Upper
266 100
268 66.7 51.0 76.6
264 67.7 50.2 75.2





#71

Phenanthrene

Concen: 3.163 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

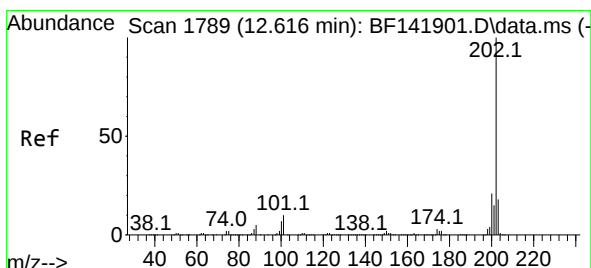
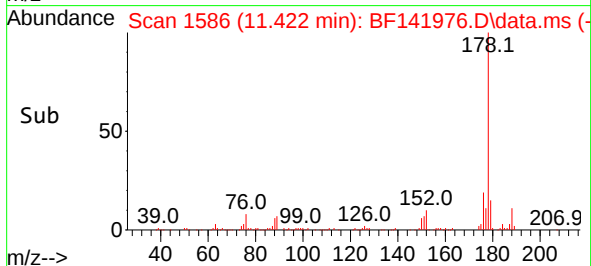
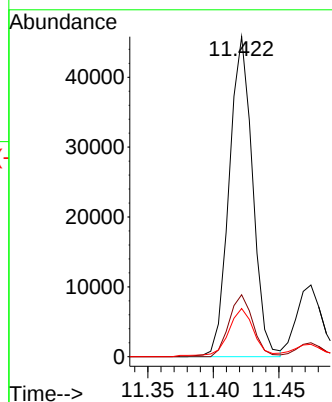
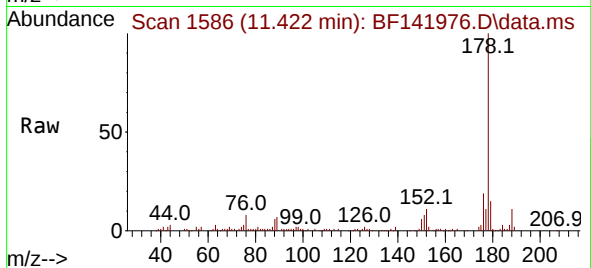
72-11978

Tgt Ion:178	Resp: 5691
Ion Ratio	Lower Upper
178 100	
176 19.4	15.8 23.8
179 15.0	12.6 19.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/18/2025
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#75

Fluoranthene

Concen: 6.120 ng

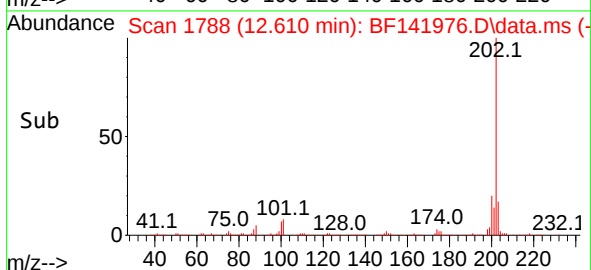
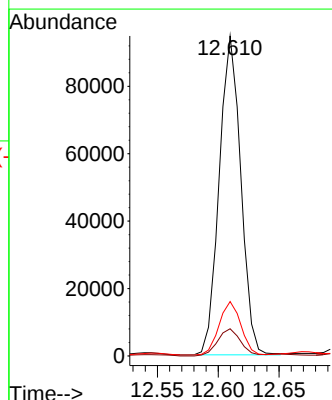
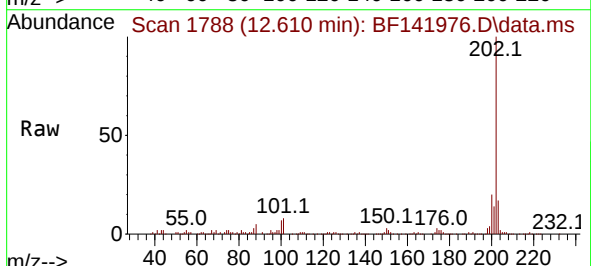
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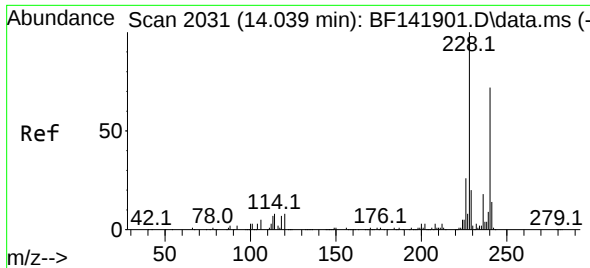
Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

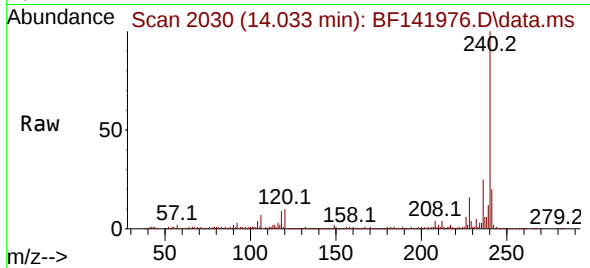
Tgt Ion:202	Resp: 116803
Ion Ratio	Lower Upper
202 100	
101 8.5	0.0 29.7
203 17.0	0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

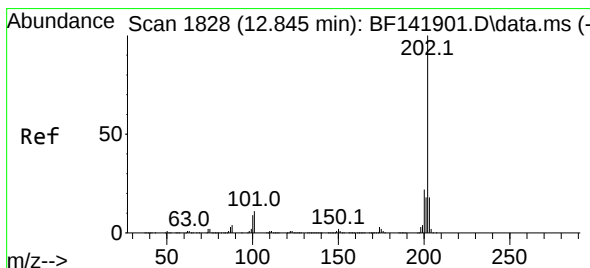
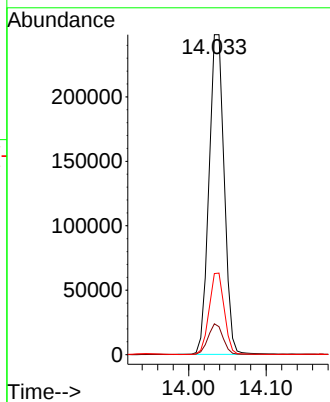
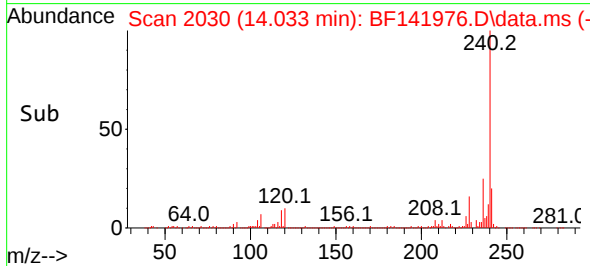
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:240 Resp: 338379
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 25.4 20.5 30.7

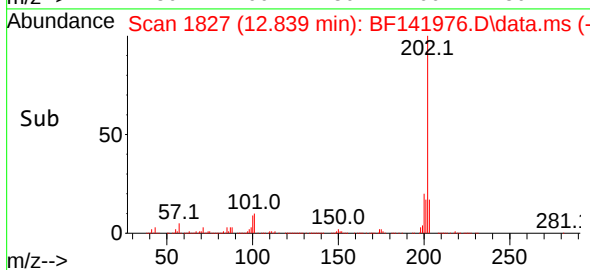
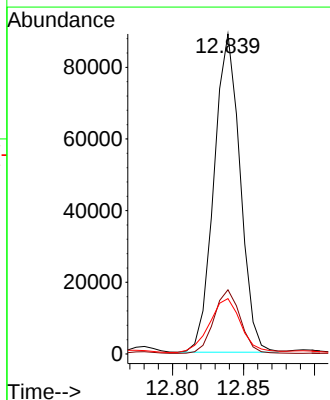
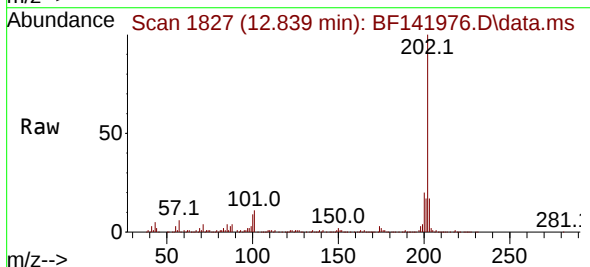
Manual Integrations
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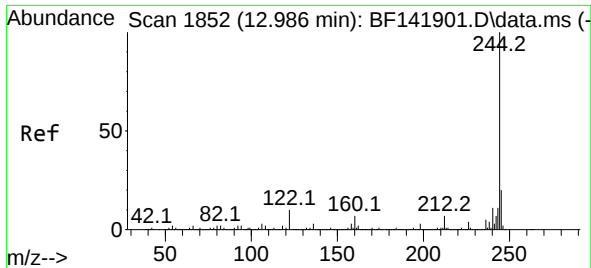
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#78
Pyrene
Concen: 3.885 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

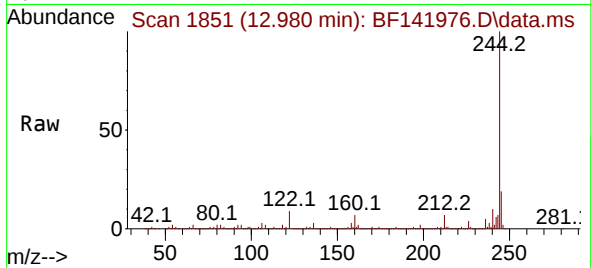
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Ion Ratio Lower Upper
202 100
200 20.1 17.3 25.9
203 17.3 14.4 21.6





#79
Terphenyl-d14
Concen: 39.681 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

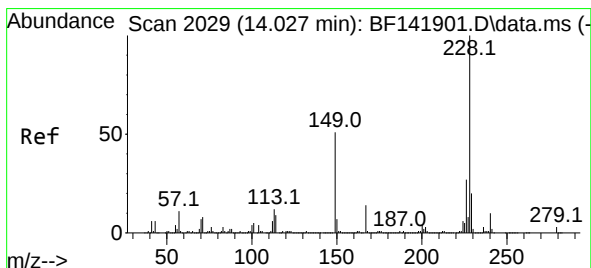
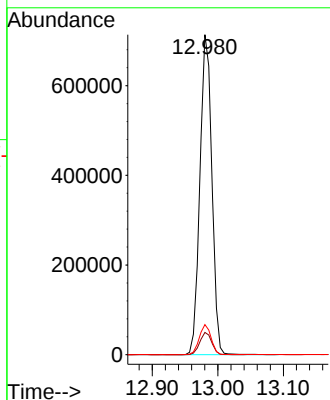
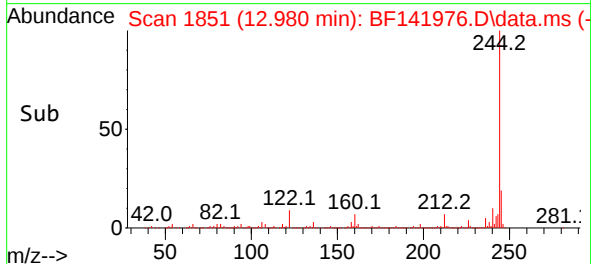
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:244 Resp: 90818
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.4 7.7 11.5

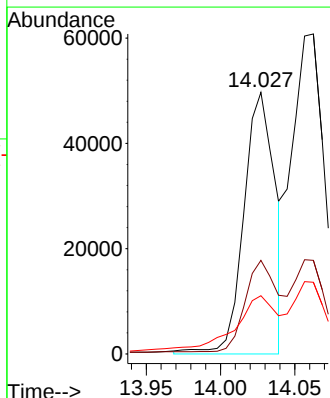
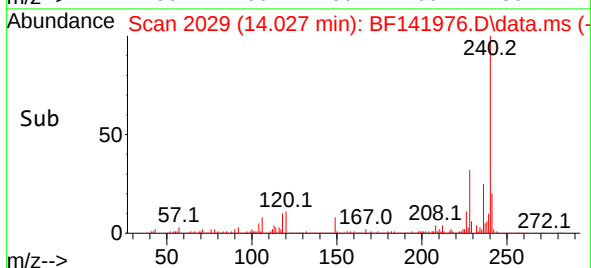
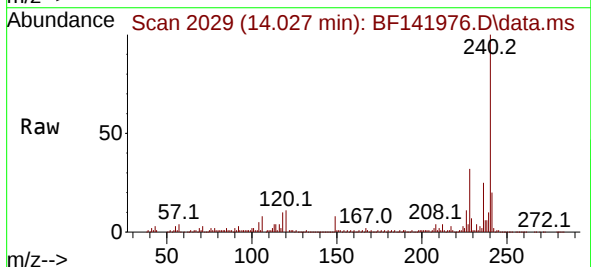
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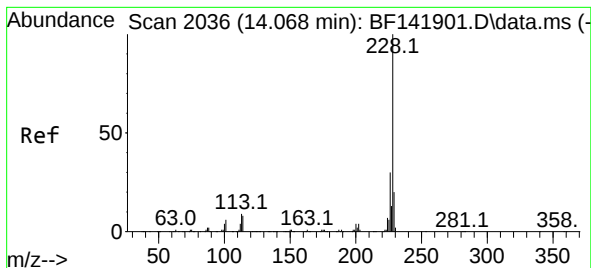
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#81
Benzo(a)anthracene
Concen: 3.265 ng m
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:228 Resp: 72507
Ion Ratio Lower Upper
228 100
226 35.7 21.8 32.8#
229 22.3 16.0 24.0





#83

Chrysene

Concen: 4.620 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

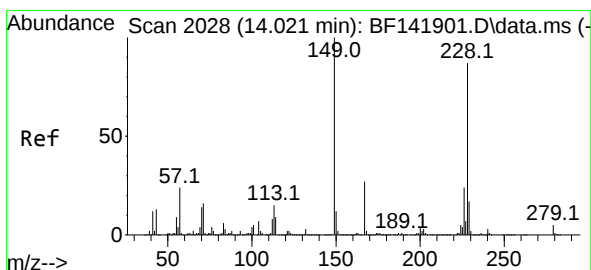
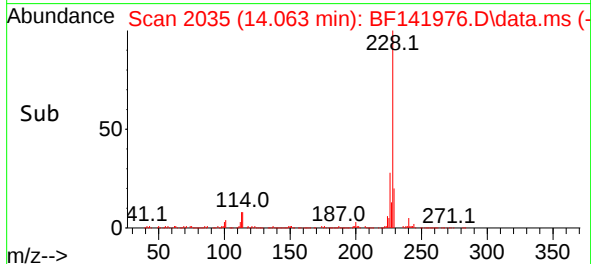
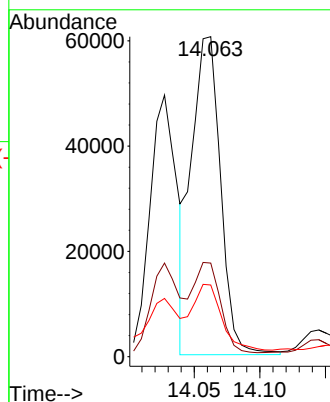
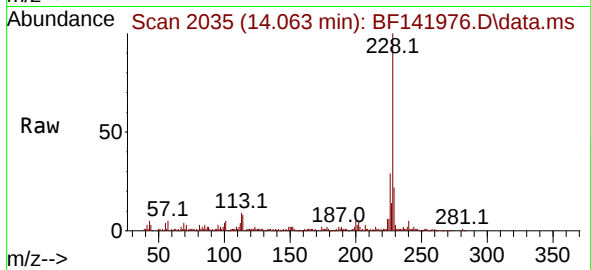
Tgt Ion:	228	Resp:	9298
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.1	36.1
229	22.4	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/18/2025

Supervised By :Jagrut Upadhyay 03/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.571 ng

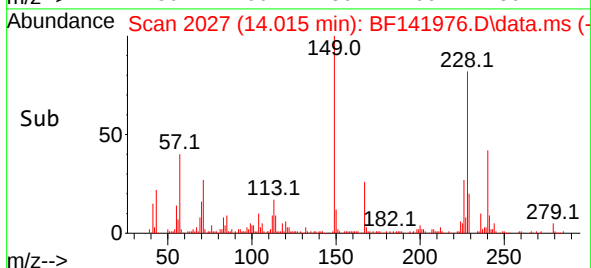
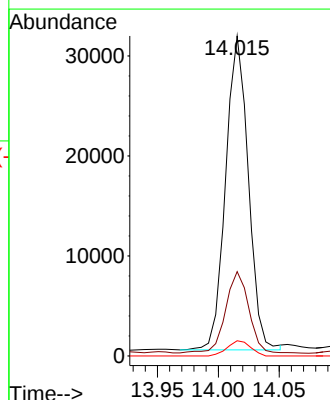
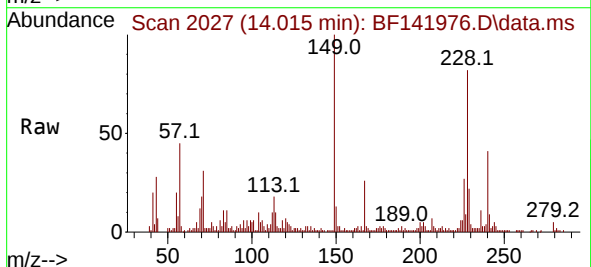
RT: 14.015 min Scan# 2027

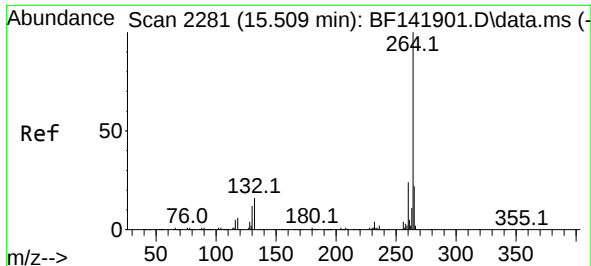
Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

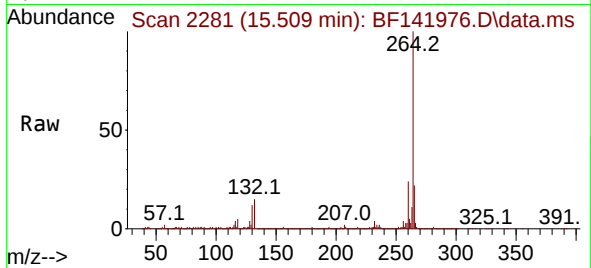
Tgt Ion:	149	Resp:	40605
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.4	32.0
279	4.7	3.8	5.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

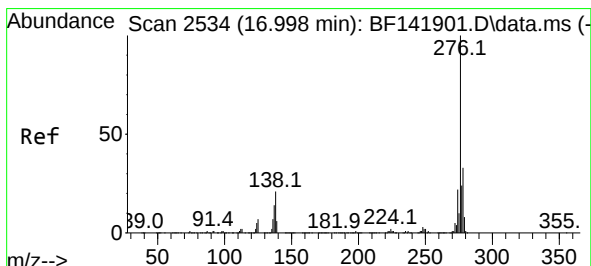
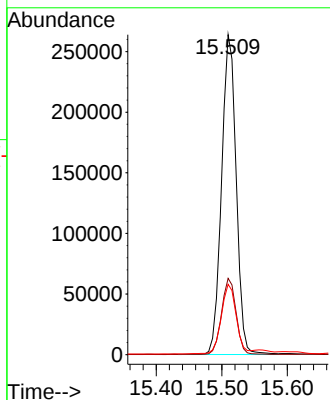
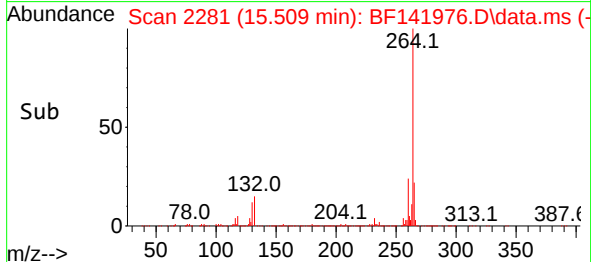
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:264 Resp: 406490
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 22.0 17.5 26.3

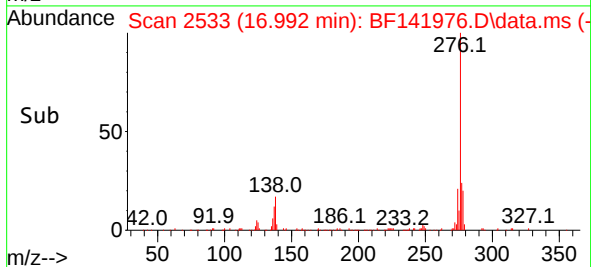
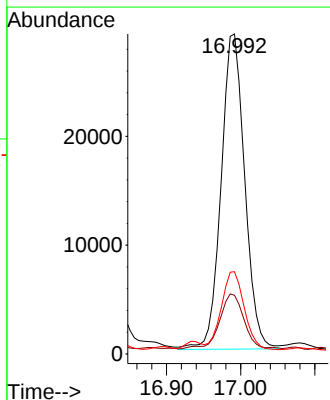
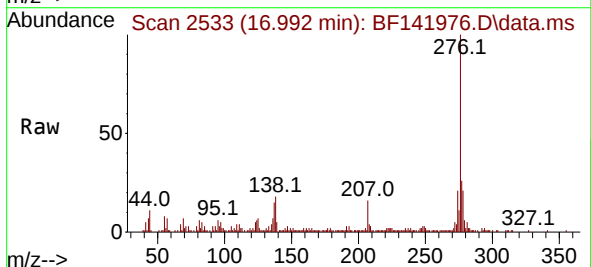
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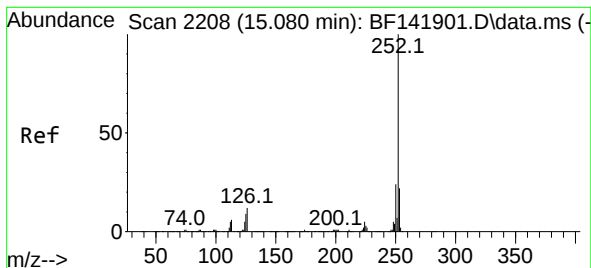
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.442 ng
RT: 16.992 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF141976.D
Acq: 17 Mar 2025 11:12

Tgt Ion:276 Resp: 64226
Ion Ratio Lower Upper
276 100
138 18.9 18.4 27.6
277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.892 ng m

RT: 15.080 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

72-11978

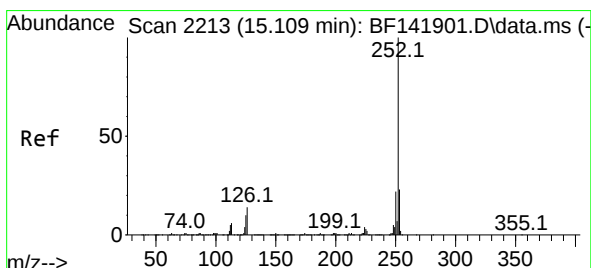
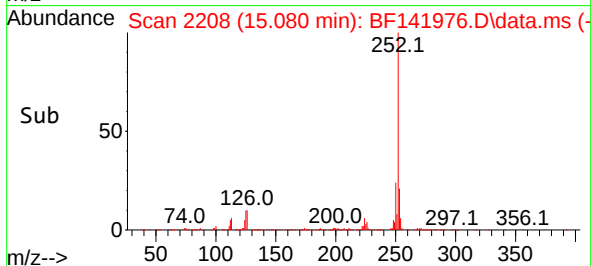
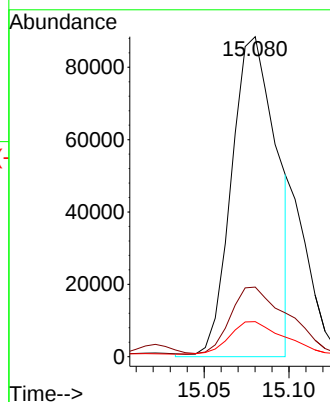
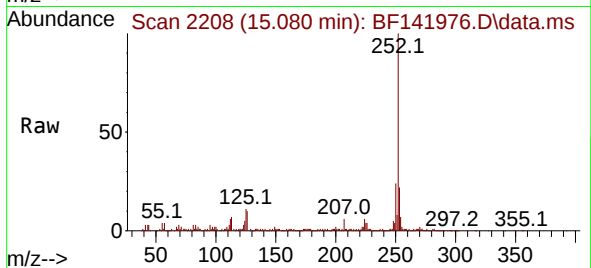
Tgt Ion:252 Resp: 164140
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.5 26.3
 125 11.0 7.0 10.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/18/2025

Supervised By :Jagrut Upadhyay 03/18/2025



#89

Benzo(k)fluoranthene

Concen: 2.328 ng m

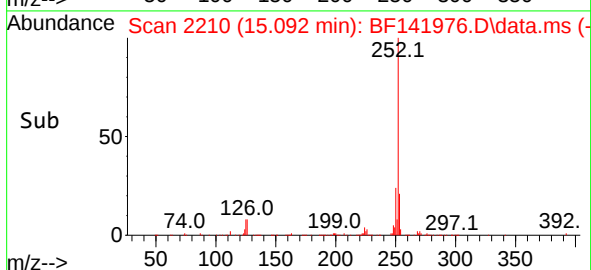
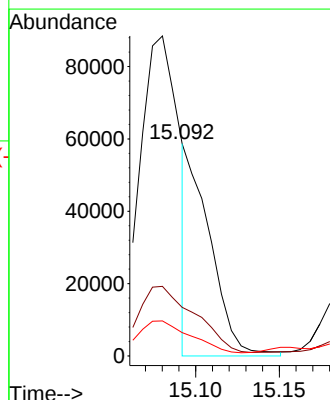
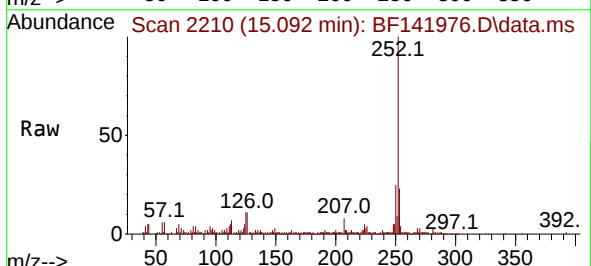
RT: 15.092 min Scan# 2210

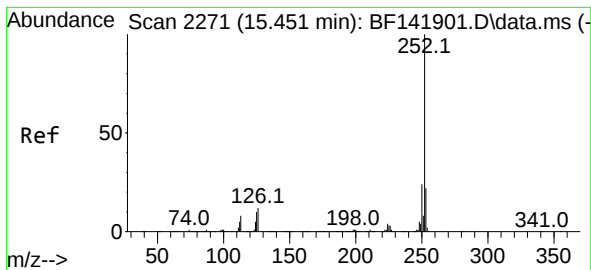
Delta R.T. -0.018 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Tgt Ion:252 Resp: 55509
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.7 26.5
 125 11.0 7.2 10.8





#90

Benzo(a)pyrene

Concen: 4.203 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Instrument :

BNA_F

ClientSampleId :

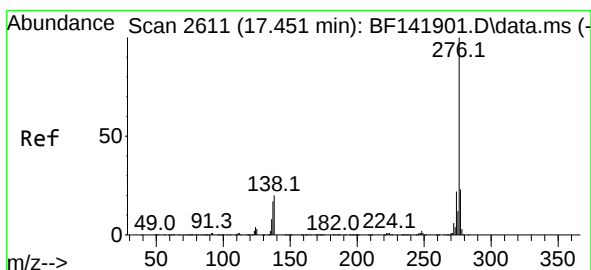
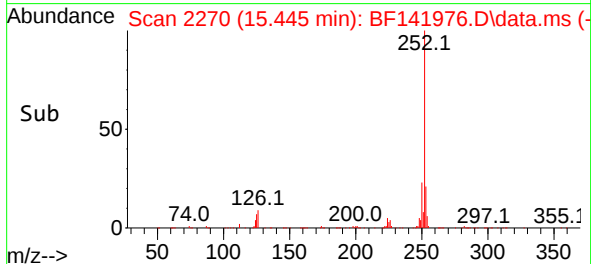
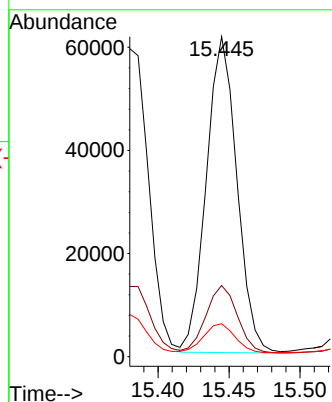
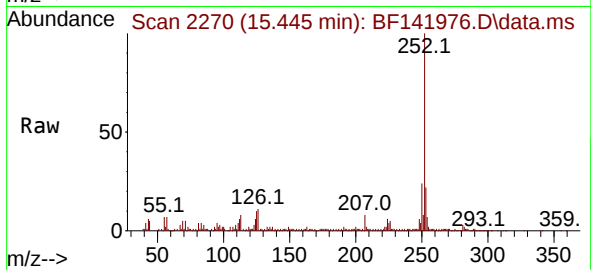
72-11978

Tgt Ion:	252	Resp:	91620
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	10.3	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#92

Benzo(g,h,i)perylene

Concen: 2.829 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF141976.D

Acq: 17 Mar 2025 11:12

Tgt Ion:	276	Resp:	60654
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.7	28.1
138	17.9	15.8	23.8

