

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141977.D
 Acq On : 17 Mar 2025 13:01
 Operator : RC/JU
 Sample : Q1585-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-03142025

Manual Integrations APPROVED

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

Quant Time: Mar 17 13:30:25 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							03/18/2025
1) 1,4-Dichlorobenzene-d4	6.875	152	128054	20.000	ng	0.00	Supervised By :Jagrut Upadhyay
21) Naphthalene-d8	8.157	136	420915	20.000	ng	0.00	
39) Acenaphthene-d10	9.910	164	181727	20.000	ng	0.00	
64) Phenanthrene-d10	11.398	188	300916	20.000	ng	0.00	
76) Chrysene-d12	14.039	240	359541	20.000	ng	0.00	
86) Perylene-d12	15.516	264	275917	20.000	ng	0.00	03/18/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	459386	59.873	ng	0.00	
7) Phenol-d6	6.493	99	534127	54.676	ng	-0.01	
23) Nitrobenzene-d5	7.434	82	336074	44.933	ng	-0.01	
42) 2,4,6-Tribromophenol	10.698	330	130198	56.474	ng	0.00	
45) 2-Fluorobiphenyl	9.234	172	596214	49.895	ng	0.00	
79) Terphenyl-d14	12.980	244	784849	32.273	ng	0.00	
Target Compounds							Qvalue
49) Acenaphthylene	9.775	152	56825	3.721	ng		99
52) Acenaphthene	9.945	154	30427	2.835	ng		98
56) 4-Nitrophenol	10.010	139	4755	2.346	ng	#	83
58) Fluorene	10.457	166	58425	4.940	ng		97
71) Phenanthrene	11.422	178	441569	27.168	ng		99
72) Anthracene	11.475	178	110287	6.763	ng		98
73) Carbazole	11.628	167	48508	3.449	ng		97
75) Fluoranthene	12.610	202	558746	32.408	ng		100
78) Pyrene	12.839	202	593991	19.099	ng		98
81) Benzo(a)anthracene	14.027	228	362523m	15.366	ng		
83) Chrysene	14.063	228	324875	15.191	ng		97
84) Bis(2-ethylhexyl)phtha...	14.016	149	37213	2.217	ng	#	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	103071	5.775	ng		96
88) Benzo(b)fluoranthene	15.086	252	294820m	15.591	ng		
89) Benzo(k)fluoranthene	15.098	252	122209m	7.552	ng		
90) Benzo(a)pyrene	15.451	252	206040	13.925	ng		97
92) Benzo(g,h,i)perylene	17.451	276	109305	7.511	ng		97

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

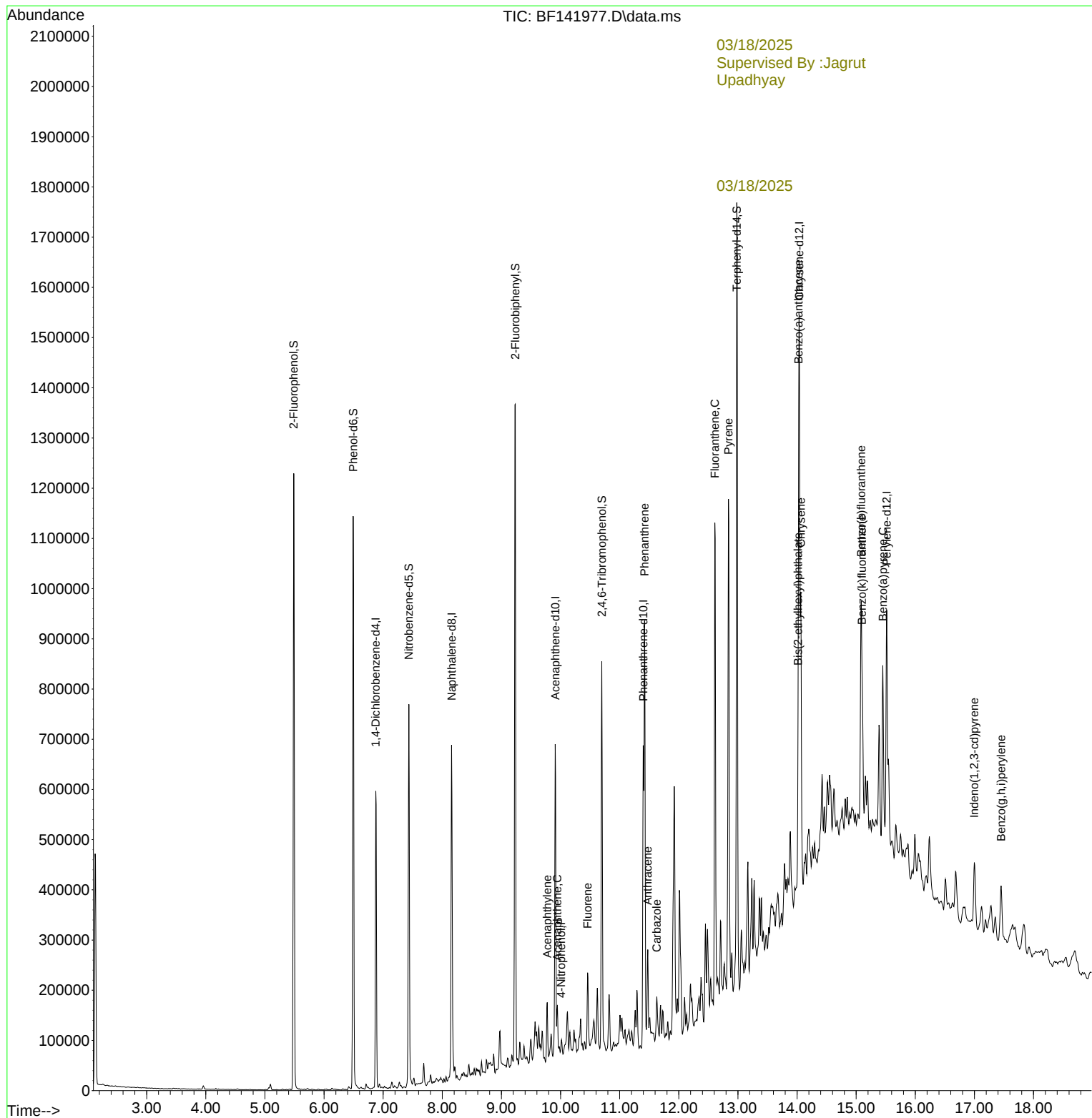
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141977.D
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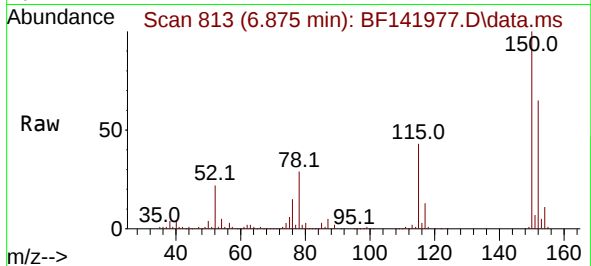
Quant Time: Mar 17 13:30:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

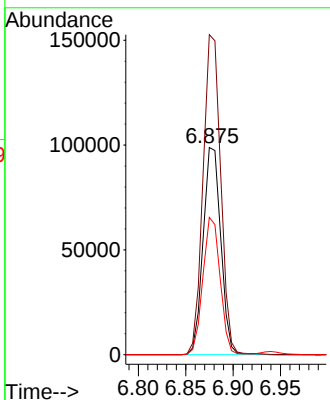
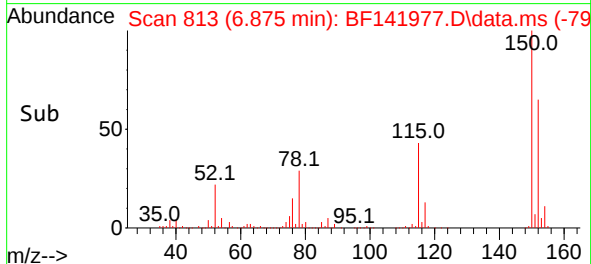
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025



Tgt Ion:152 Resp: 128054
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.2
115 66.3 51.9 77.9

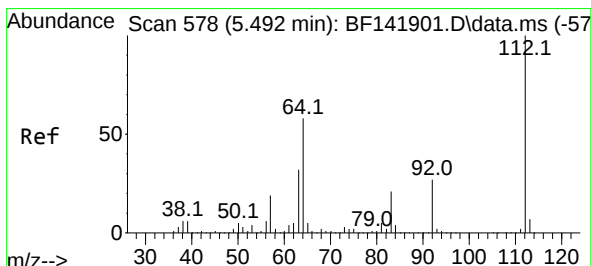
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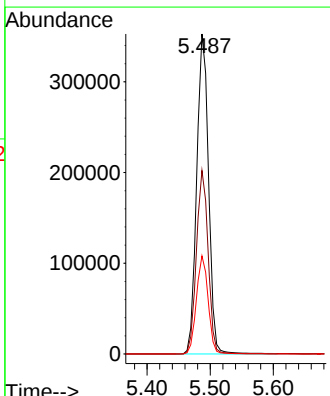
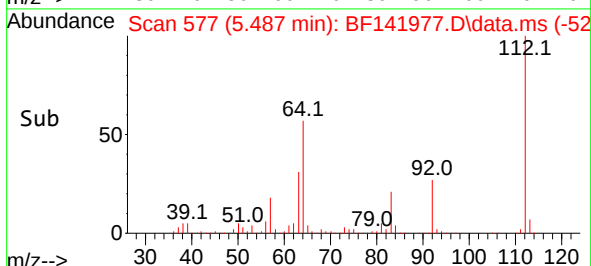
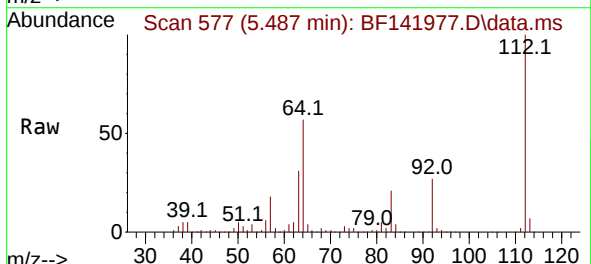
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#5
2-Fluorophenol
Concen: 59.873 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

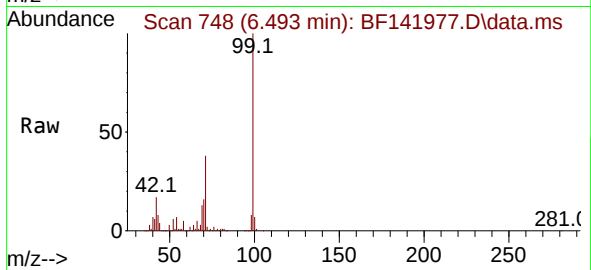
Tgt Ion:112 Resp: 459386
Ion Ratio Lower Upper
112 100
64 57.4 46.5 69.7
63 30.6 25.4 38.2





#7
Phenol-d6
Concen: 54.676 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

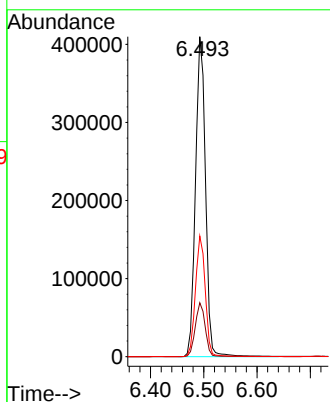
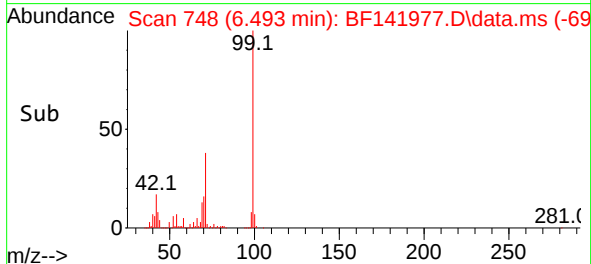
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025



Tgt Ion: 99 Resp: 53412
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 37.7 30.8 46.2

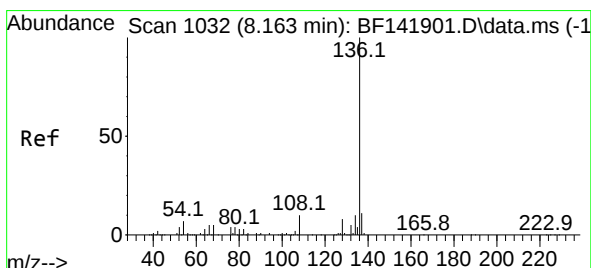
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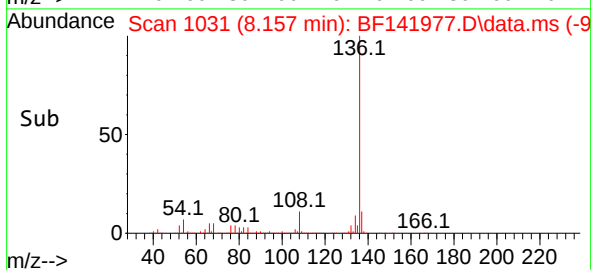
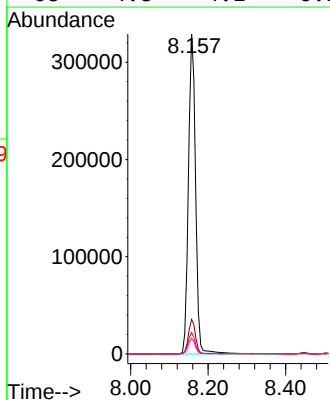
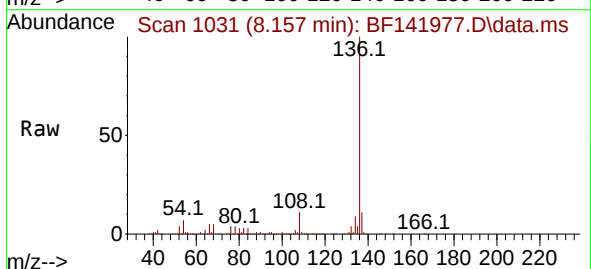
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:136 Resp: 420915
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.6 5.8 8.8
68 4.8 4.1 6.1





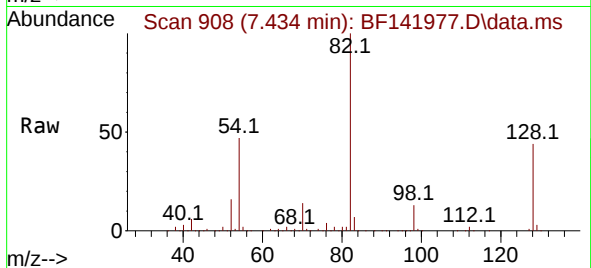
#23
Nitrobenzene-d5
Concen: 44.933 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

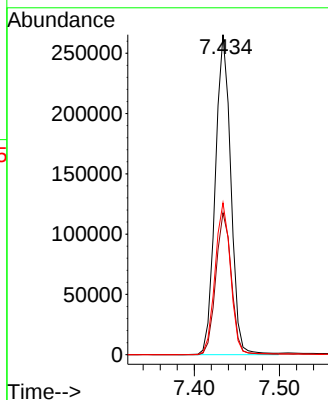
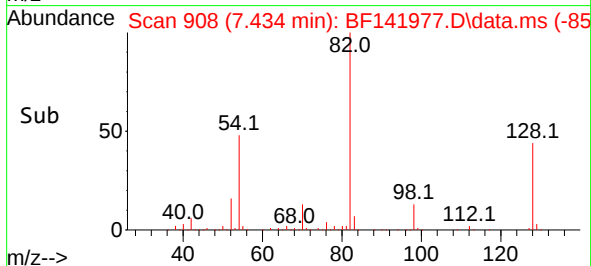
OK-02-03142025



Tgt Ion: 82 Resp: 336074
Ion Ratio Lower Upper
82 100
128 44.4 36.0 54.0
54 47.5 39.6 59.4

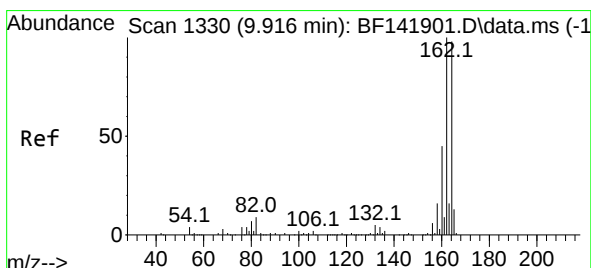
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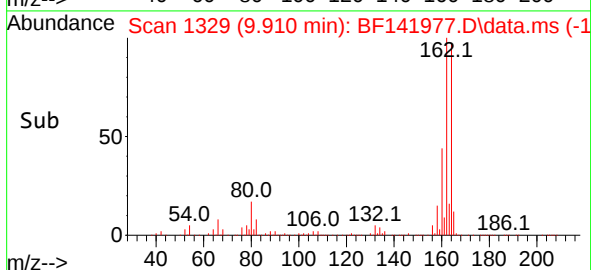
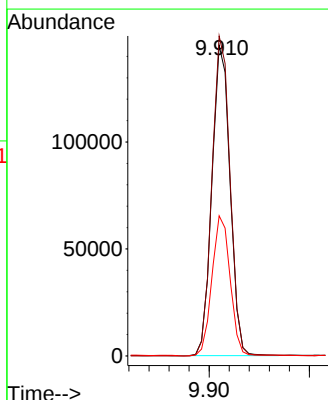
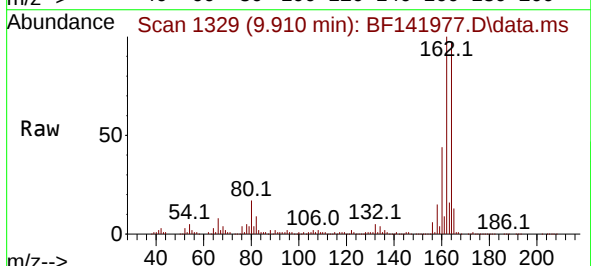
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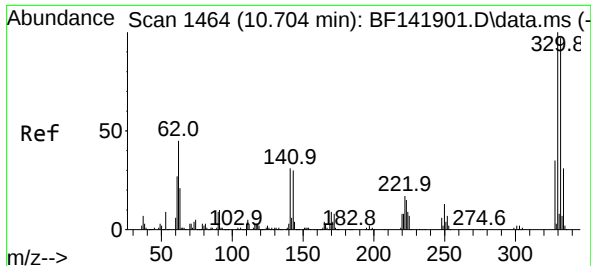
03/18/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:164 Resp: 181727
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 45.2 36.7 55.1





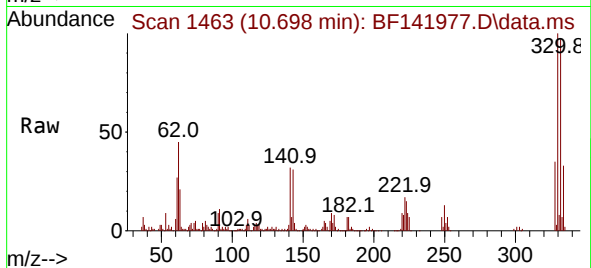
#42
2,4,6-Tribromophenol
Concen: 56.474 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

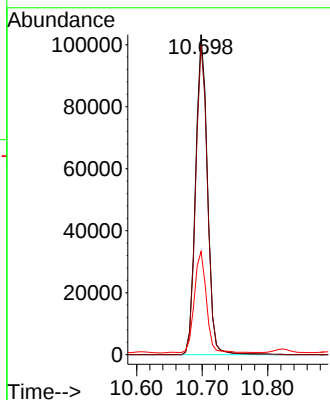
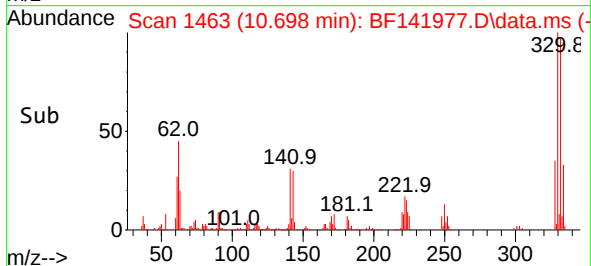
OK-02-03142025



Tgt Ion:330 Resp: 130198
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 32.3 24.7 37.1

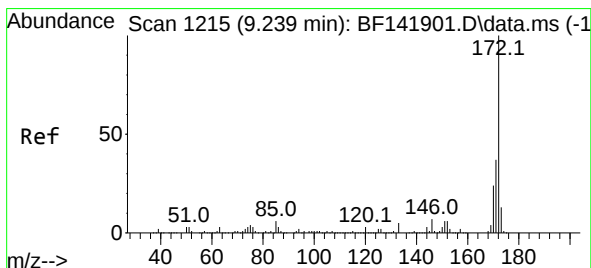
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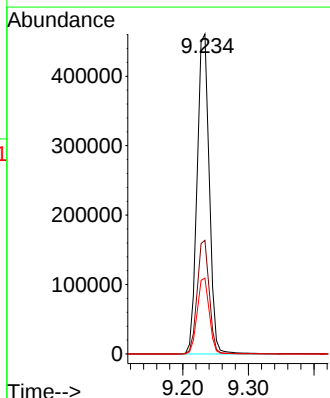
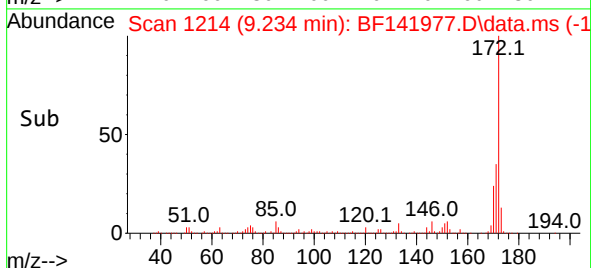
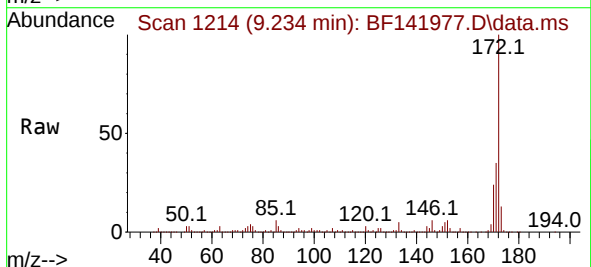
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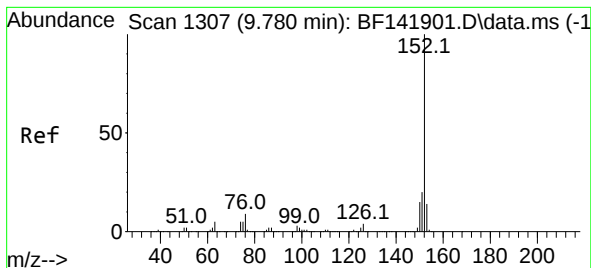
03/18/2025



#45
2-Fluorobiphenyl
Concen: 49.895 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:172 Resp: 596214
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.7 19.4 29.0





#49

Acenaphthylene

Concen: 3.721 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OK-02-03142025

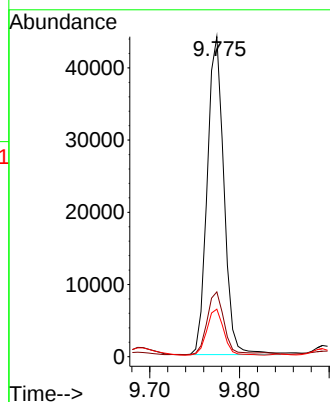
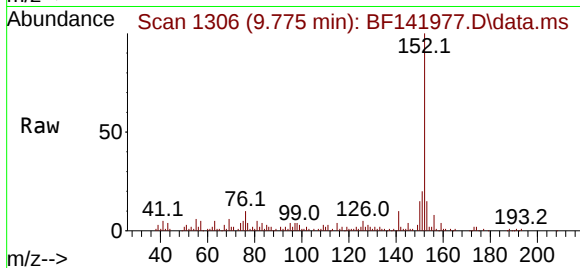
Tgt Ion:152	Resp: 5682
Ion Ratio	Lower Upper
152 100	
151 20.2	16.3 24.5
153 14.9	11.1 16.7

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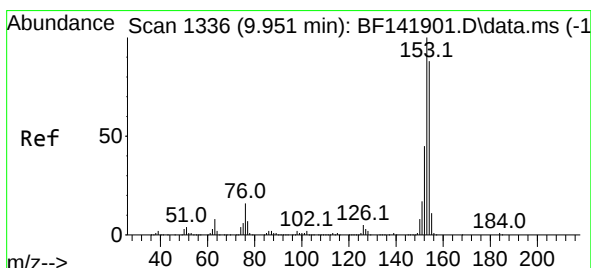
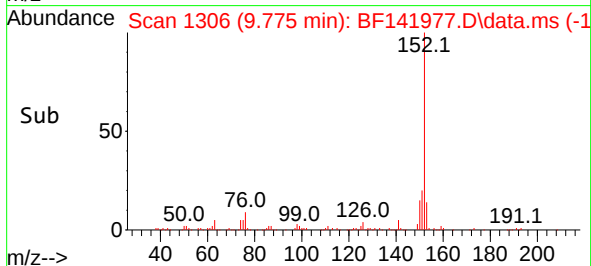
Supervised By :Jagrut Upadhyay 03/18/2025



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#52

Acenaphthene

Concen: 2.835 ng

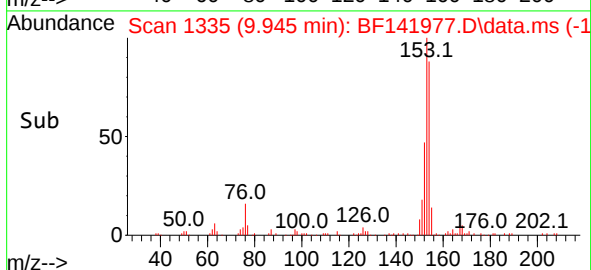
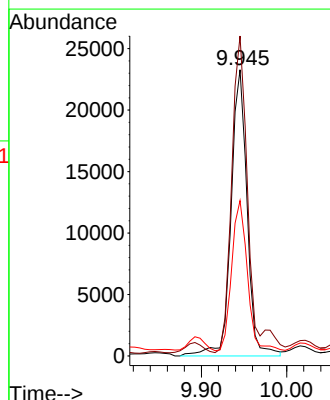
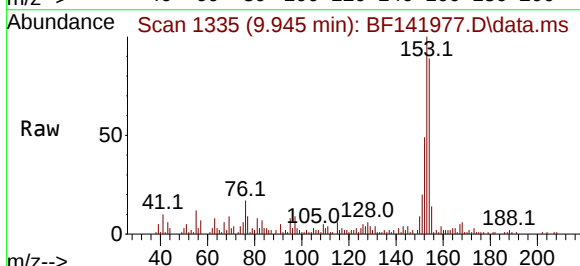
RT: 9.945 min Scan# 1335

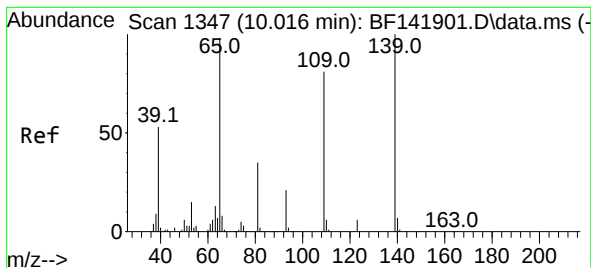
Delta R.T. -0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Tgt Ion:154	Resp: 30427
Ion Ratio	Lower Upper
154 100	
153 111.8	90.7 136.1
152 54.3	41.1 61.7





#56
4-Nitrophenol
Concen: 2.346 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

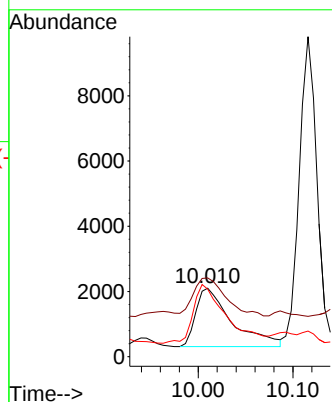
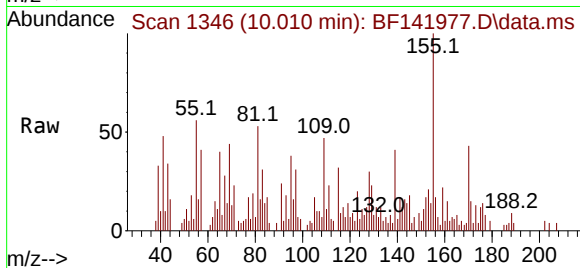
ClientSampleId :

OK-02-03142025

Tgt Ion:139 Resp: 475
Ion Ratio Lower Upper
139 100
109 115.2 61.6 101.6
65 98.7 79.4 119.4

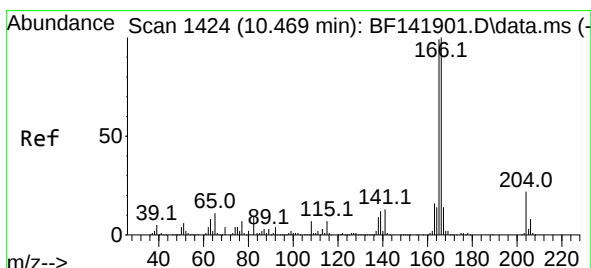
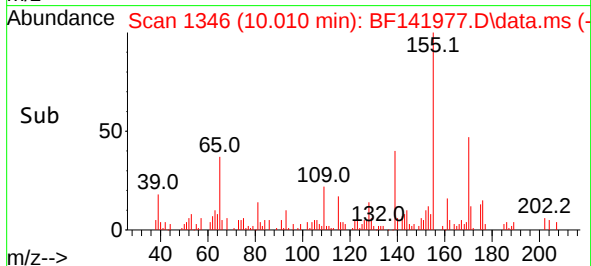
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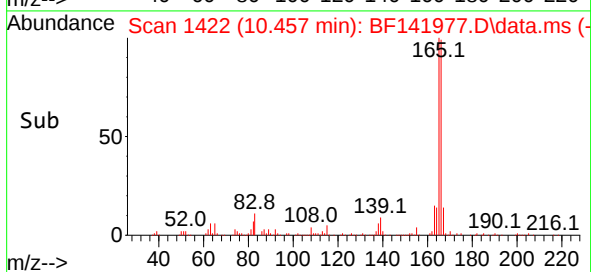
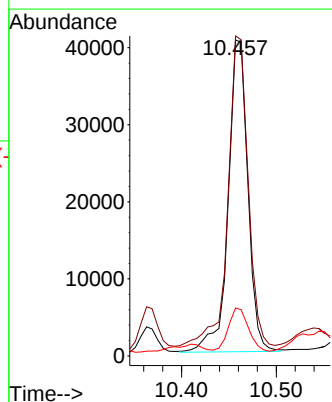
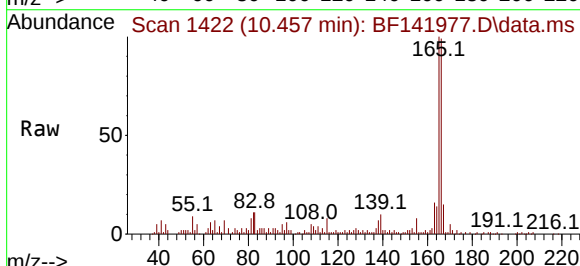
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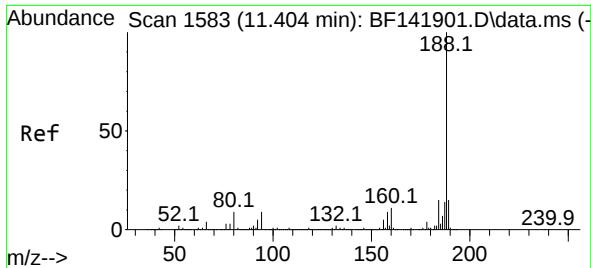
03/18/2025



#58
Fluorene
Concen: 4.940 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

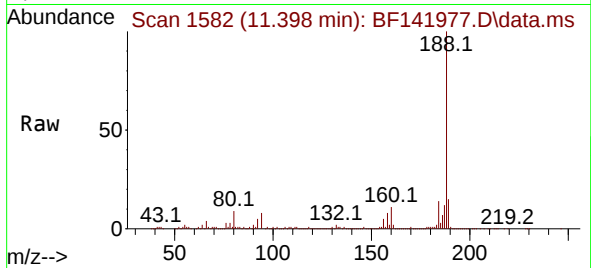
Tgt Ion:166 Resp: 58425
Ion Ratio Lower Upper
166 100
165 101.2 79.0 118.4
167 15.2 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

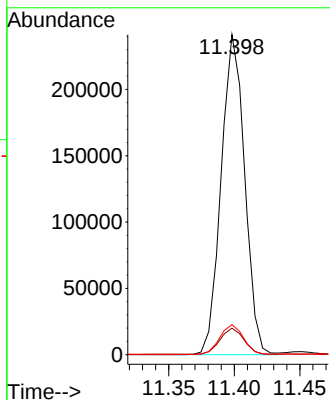
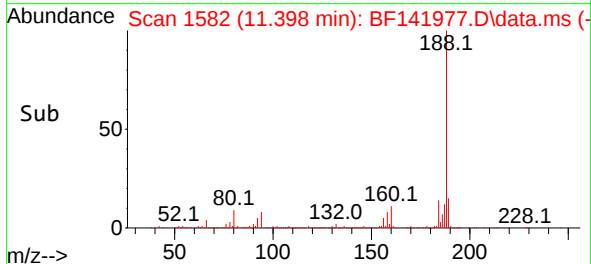
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025



Tgt Ion:188 Resp: 300910
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.4 7.6 11.4

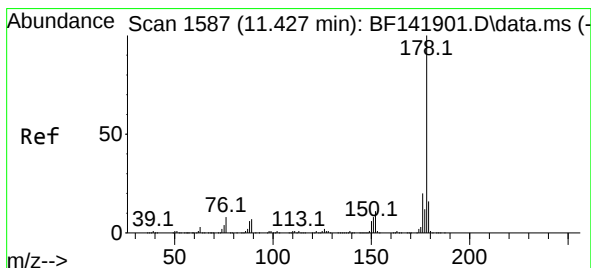
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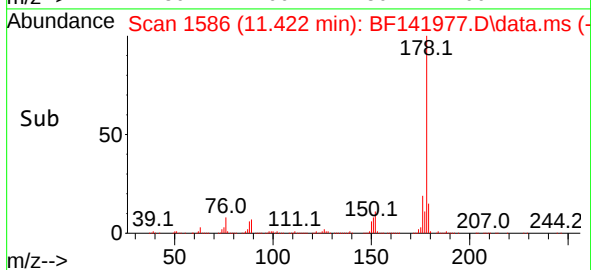
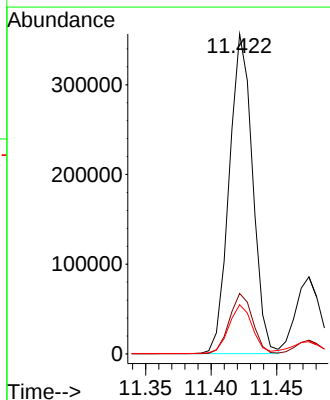
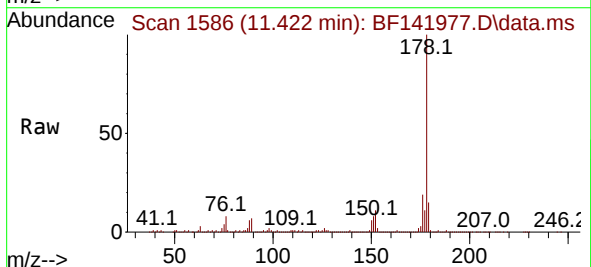
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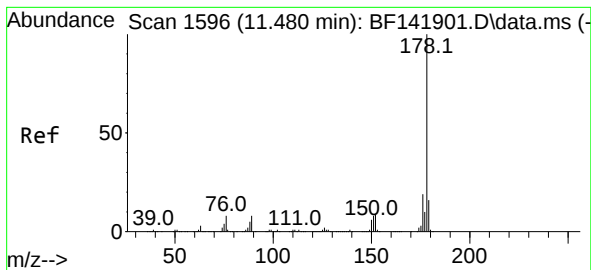
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#71
Phenanthrene
Concen: 27.168 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:178 Resp: 441569
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.4 12.6 19.0





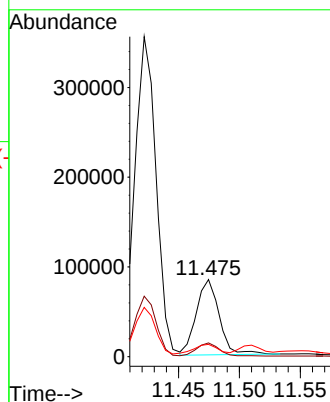
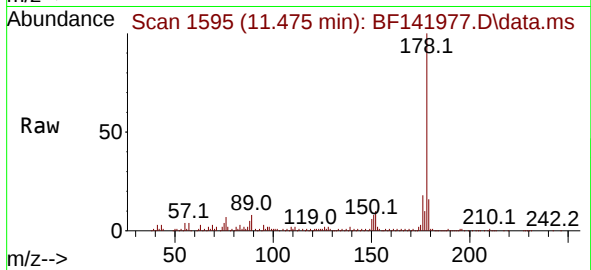
#72
 Anthracene
 Concen: 6.763 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-03142025

Tgt Ion:178 Resp: 11028
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.1 22.7
 179 15.9 12.6 19.0

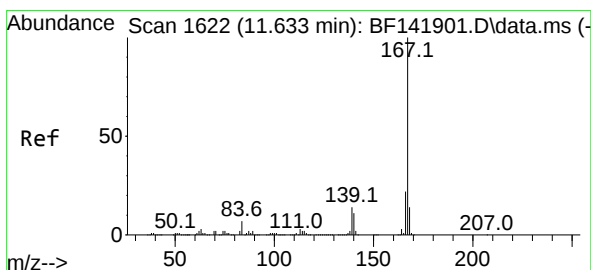
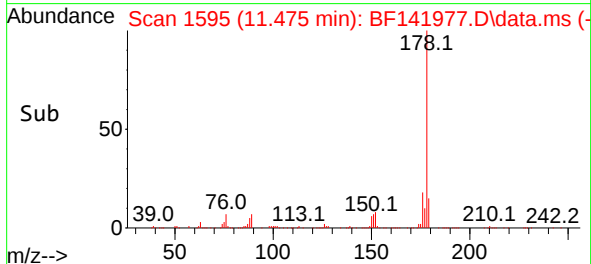
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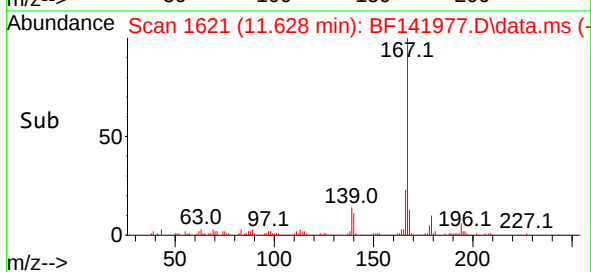
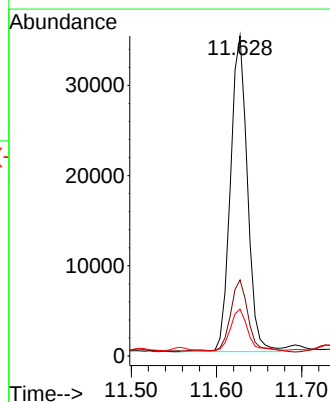
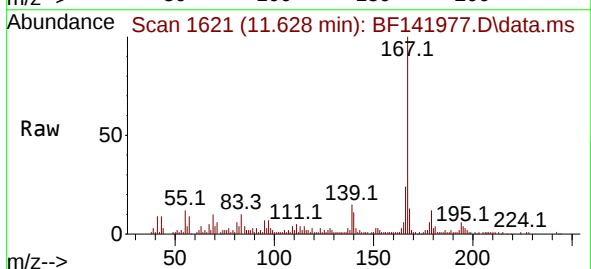
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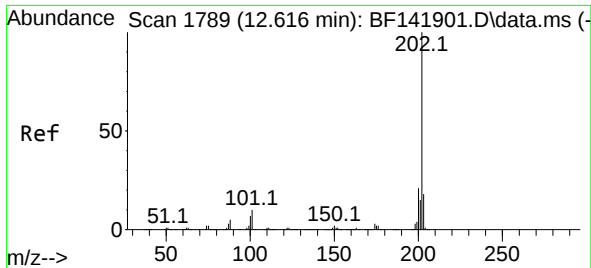
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#73
 Carbazole
 Concen: 3.449 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

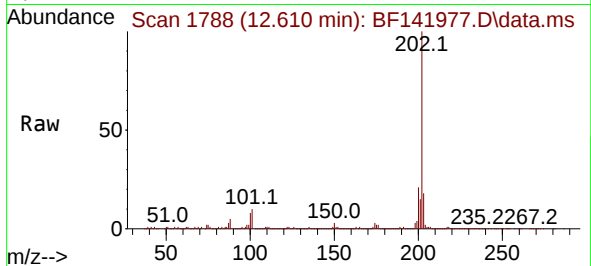
Tgt Ion:167 Resp: 48508
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.4 26.2
 139 14.7 11.0 16.6





#75
Fluoranthene
Concen: 32.408 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

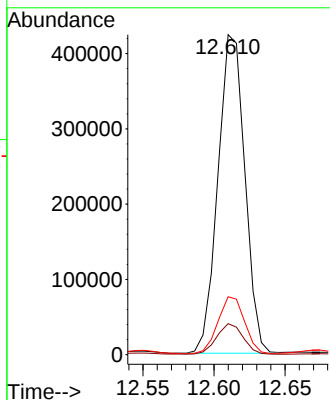
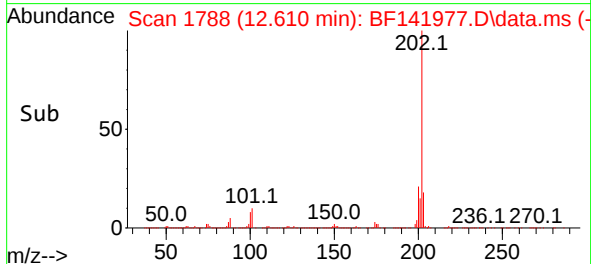
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025



Tgt Ion:202 Resp: 558740
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 18.1 0.0 37.8

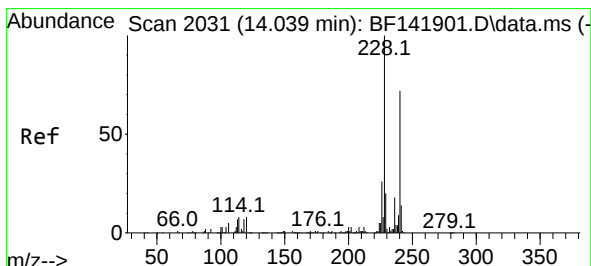
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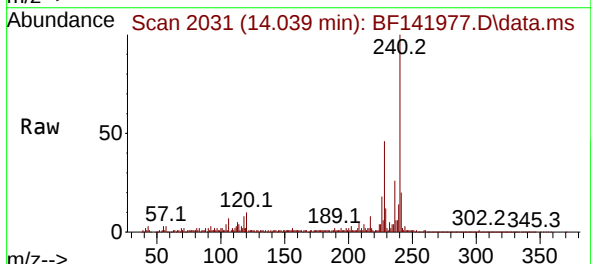


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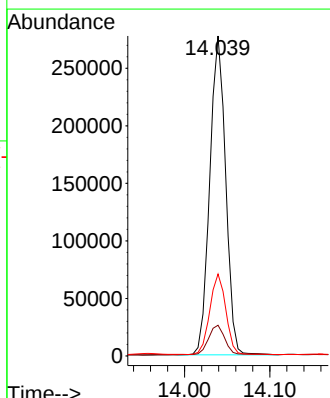
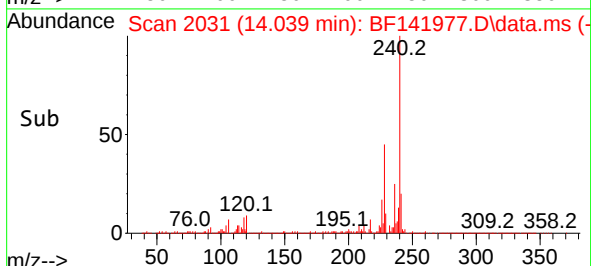
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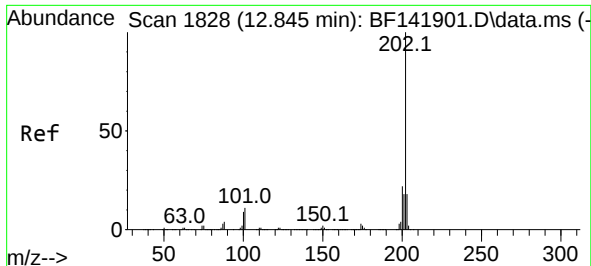


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01



Tgt Ion:240 Resp: 359541
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 25.6 20.5 30.7





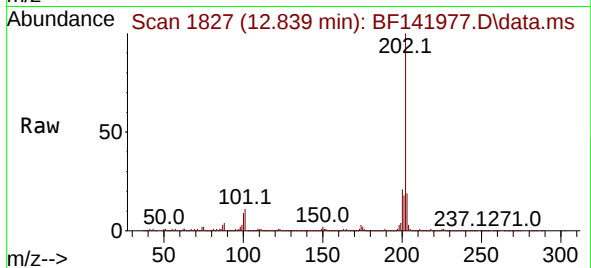
#78
Pyrene
Concen: 19.099 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

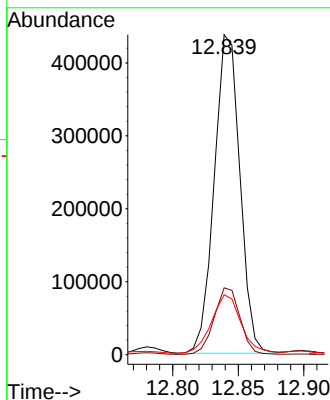
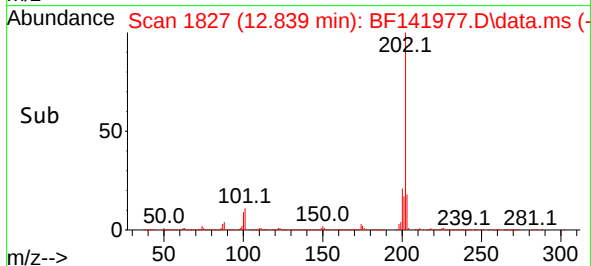
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Tgt Ion:202 Resp: 59399
Ion Ratio Lower Upper
202 100
200 20.9 17.3 25.9
203 18.8 14.4 21.6

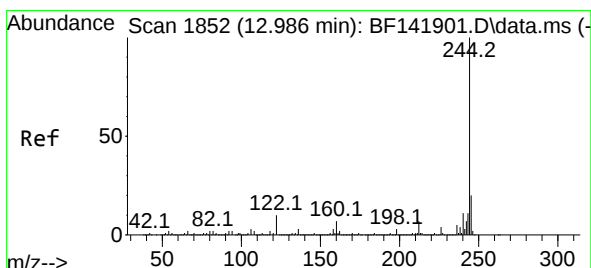
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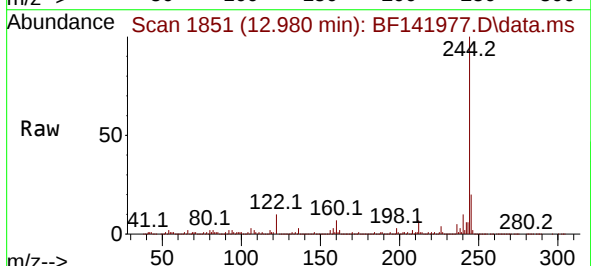


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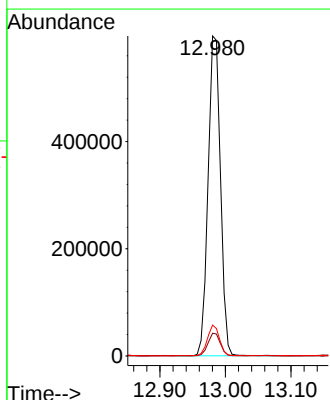
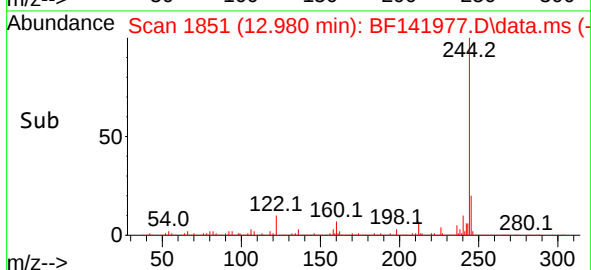
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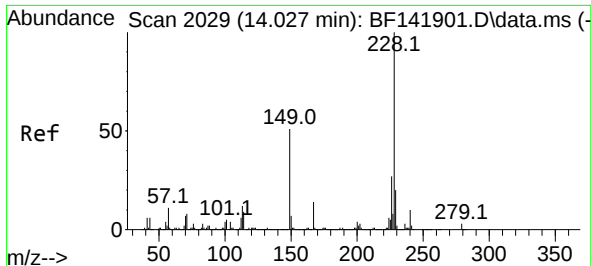


#79
Terphenyl-d14
Concen: 32.273 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01



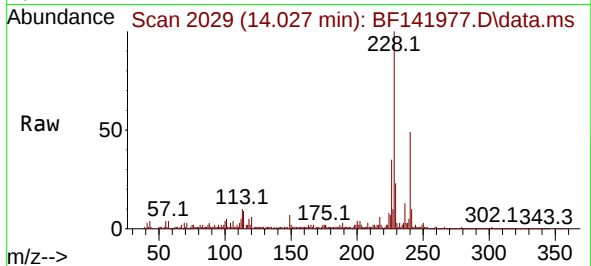
Tgt Ion:244 Resp: 784849
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.6 7.7 11.5





#81
Benzo(a)anthracene
Concen: 15.366 ng m
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

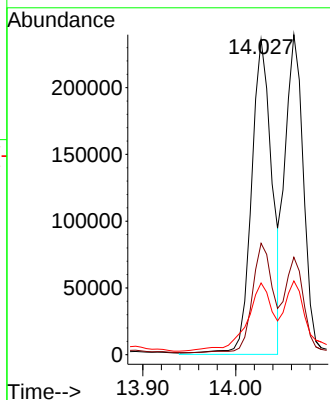
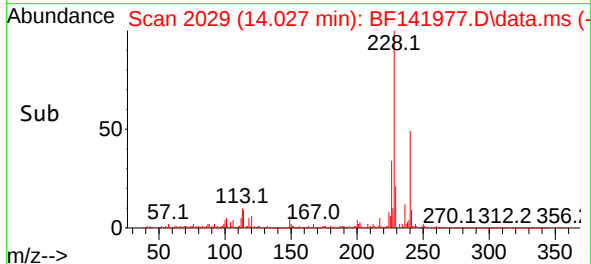
Instrument :
BNA_F
ClientSampleId :
OK-02-03142025



Tgt Ion:228 Resp: 36252
Ion Ratio Lower Upper
228 100
226 35.3 21.8 32.8
229 22.7 16.0 24.0

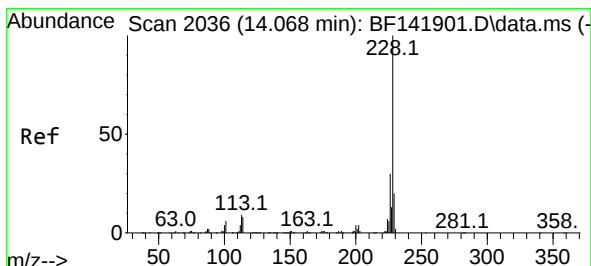
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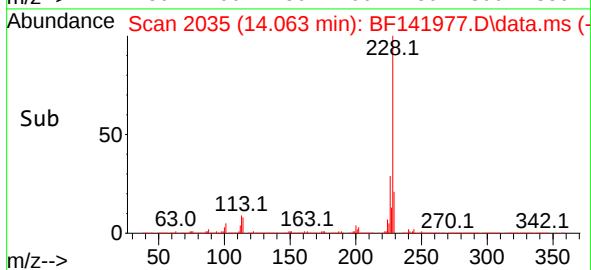
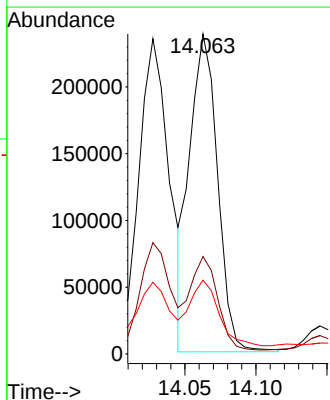
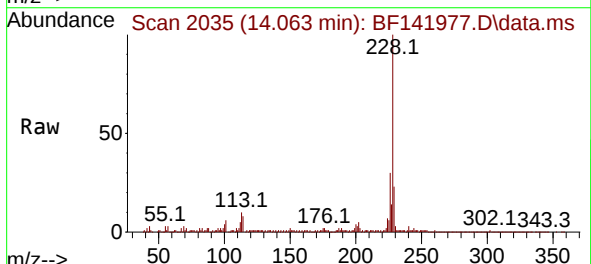
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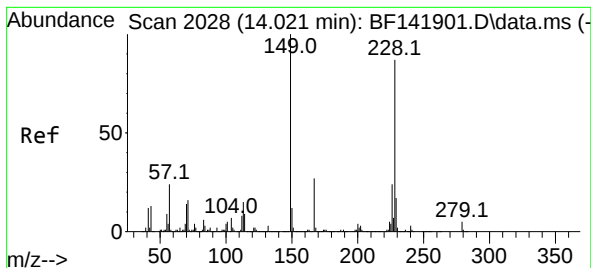
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#83
Chrysene
Concen: 15.191 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:228 Resp: 324875
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 23.0 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.217 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

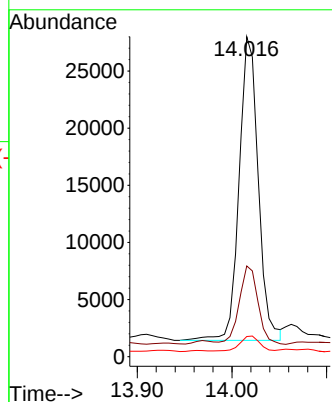
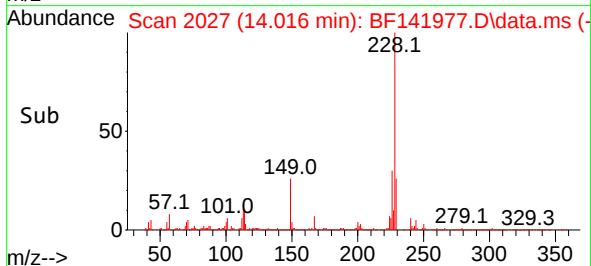
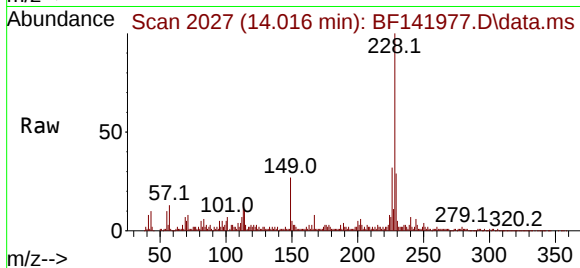
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Tgt Ion:149 Resp: 3721
Ion Ratio Lower Upper
149 100
167 28.3 21.4 32.0
279 6.3 3.8 5.6

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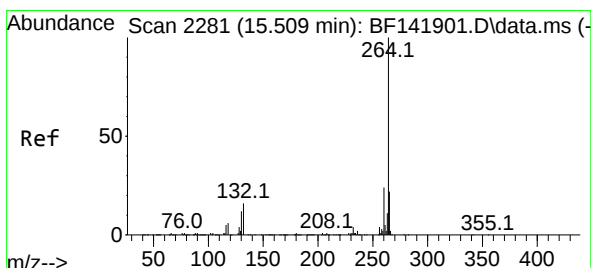
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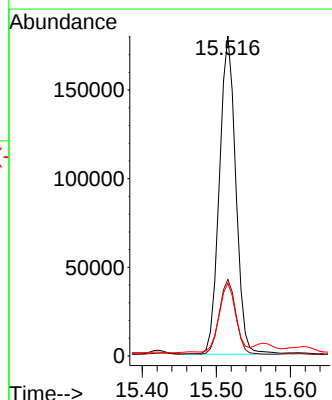
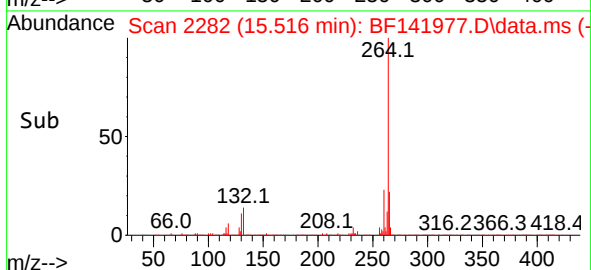
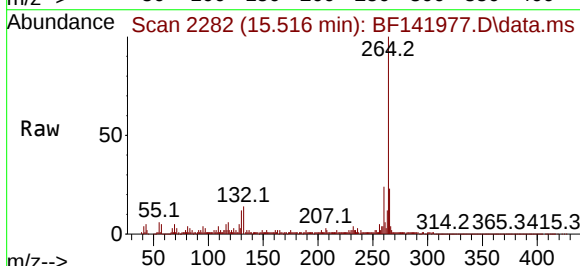
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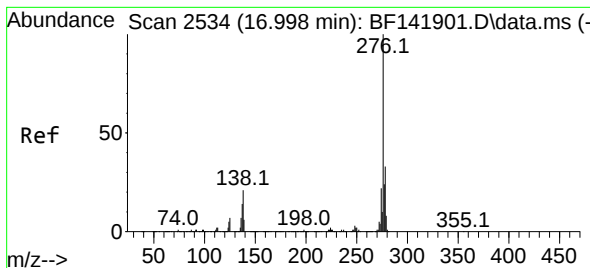
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. 0.006 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Tgt Ion:264 Resp: 275917
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 22.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.775 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:276 Resp: 10307

Ion Ratio Lower Upper

276 100

138 19.1 18.4 27.6

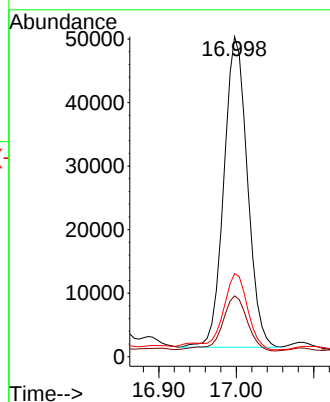
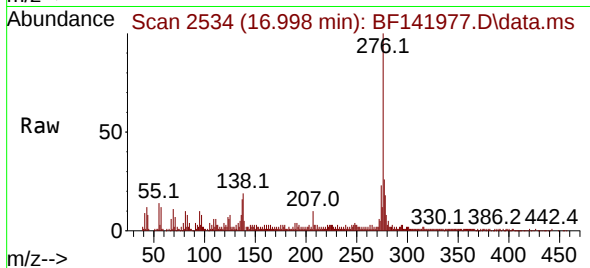
277 25.1 20.3 30.5

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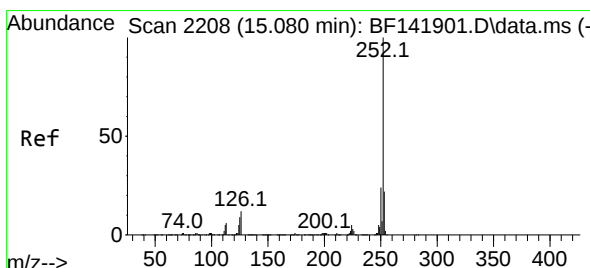
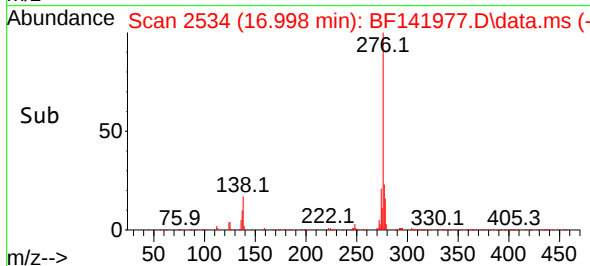
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#88

Benzo(b)fluoranthene

Concen: 15.591 ng m

RT: 15.086 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF141977.D

Acq: 17 Mar 2025 13:01

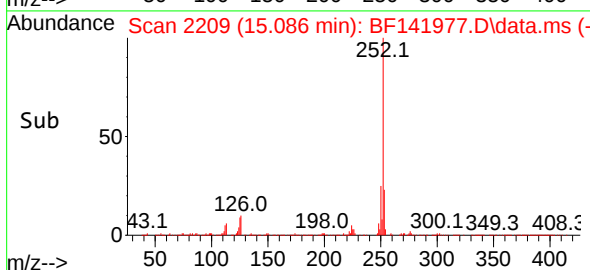
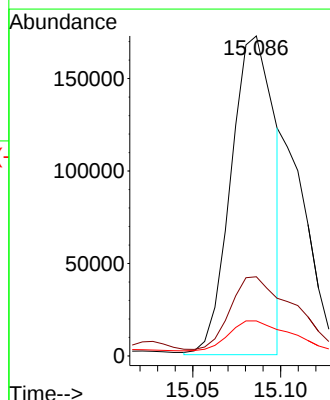
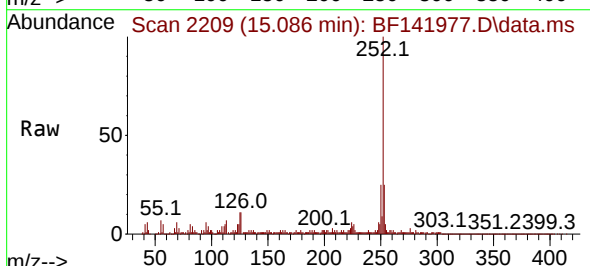
Tgt Ion:252 Resp: 294820

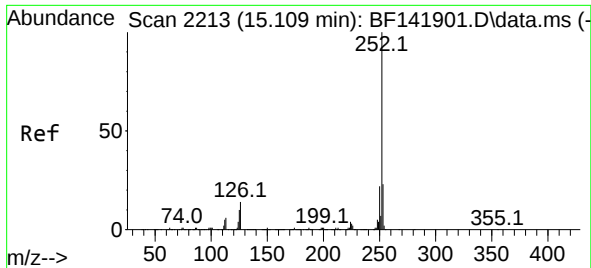
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 10.9 7.0 10.4#





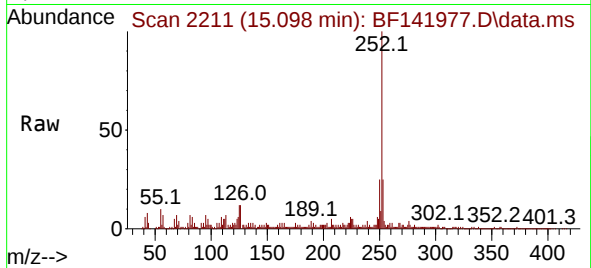
#89
Benzo(k)fluoranthene
Concen: 7.552 ng m
RT: 15.098 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01

Instrument :

BNA_F

ClientSampleId :

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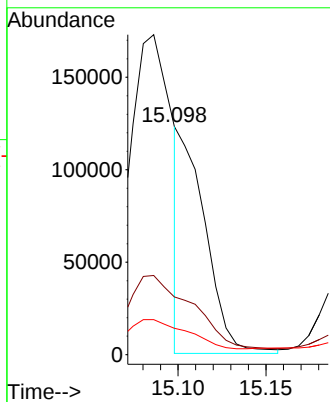
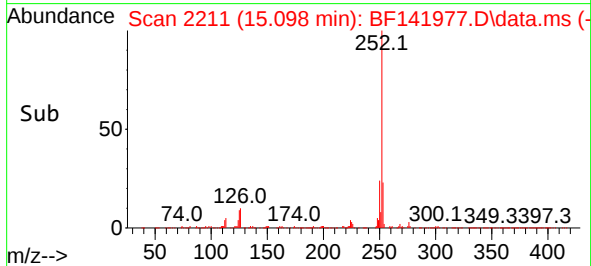
Tgt Ion:252 Resp: 122209
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 11.6 7.2 10.8

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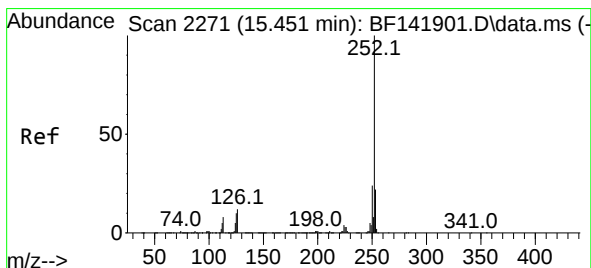
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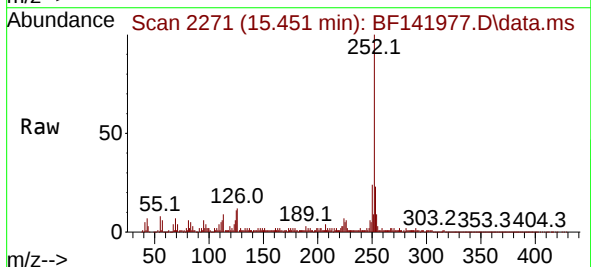
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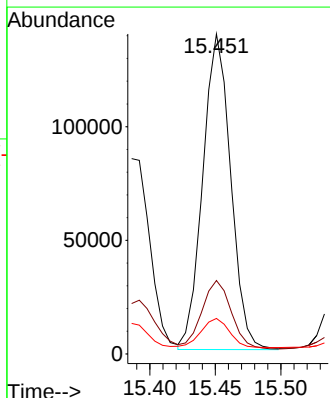
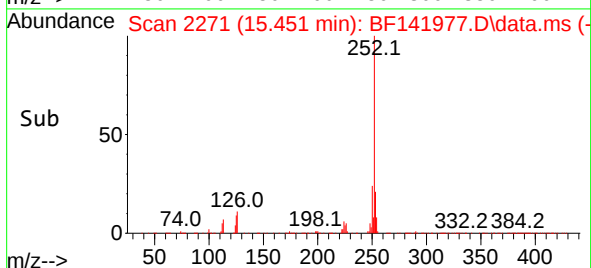
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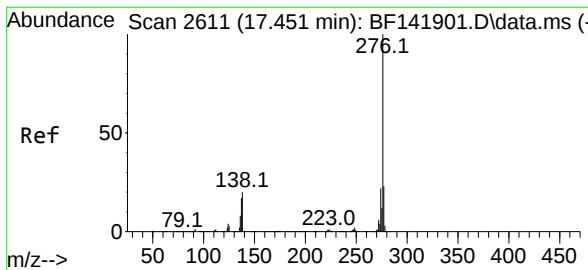


#90
Benzo(a)pyrene
Concen: 13.925 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141977.D
Acq: 17 Mar 2025 13:01



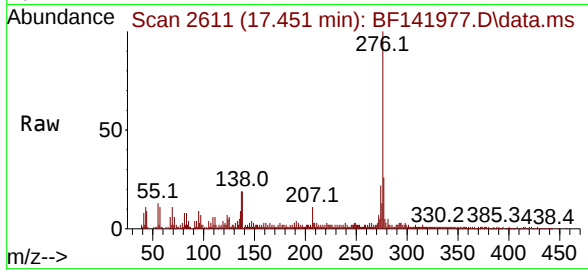
Tgt Ion:252 Resp: 206040
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.1 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.511 ng
 RT: 17.451 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF141977.D
 Acq: 17 Mar 2025 13:01

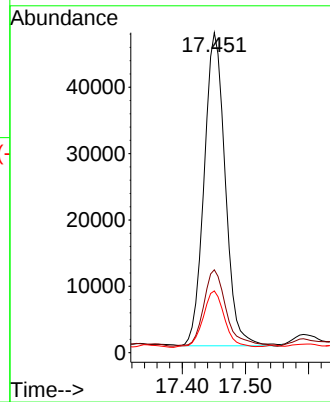
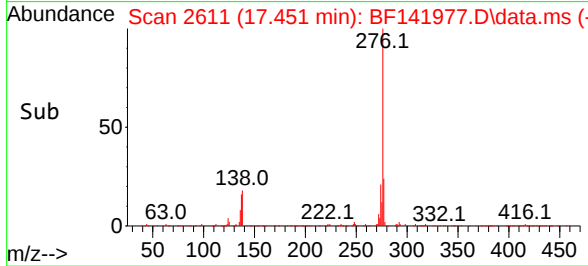
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-03142025



Tgt Ion: 276 Resp: 10930
 Ion Ratio Lower Upper
 276 100
 277 25.9 18.7 28.1
 138 19.3 15.8 23.8

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