

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122634.D
 Acq On : 10 Dec 2020 3:40
 Operator : JU/CG
 Sample : L4973-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-120820

Manual Integrations
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mohammad
 12/10/2020 2:43:39 PM

Quant Time: Dec 10 06:21:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	211674	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	820674	20.00	ng	0.00
39) Acenaphthene-d10	9.880	164	413316	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	663866	20.00	ng	0.00
76) Chrysene-d12	14.004	240	500665	20.00	ng	0.00
86) Perylene-d12	15.468	264	545726	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	589745	44.11	ng	0.00
7) Phenol-d6	6.463	99	732912	41.33	ng	-0.02
23) Nitrobenzene-d5	7.398	82	442222	27.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	177775	32.86	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	805281	26.35	ng	0.00
79) Terphenyl-d14	12.945	244	627754	21.95	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	85200	2.03	ng	98
50) Dimethylphthalate	9.592	163	67812	2.05	ng	99
71) Phenanthrene	11.386	178	450636	11.42	ng	99
72) Anthracene	11.439	178	93480	2.39	ng	97
75) Fluoranthene	12.574	202	775412	18.74	ng	99
78) Pyrene	12.804	202	737760	19.06	ng	98
81) Benzo(a)anthracene	13.992	228	391886	11.71	ng	96
83) Chrysene	14.027	228	363902	10.93	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	178432	4.98	ng	97
88) Benzo(b)fluoranthene	15.045	252	455678m	11.90	ng	
89) Benzo(k)fluoranthene	15.062	252	164804m	4.71	ng	
90) Benzo(a)pyrene	15.403	252	329574	9.84	ng	99
92) Benzo(g,h,i)perylene	17.356	276	165025	5.82	ng	100

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

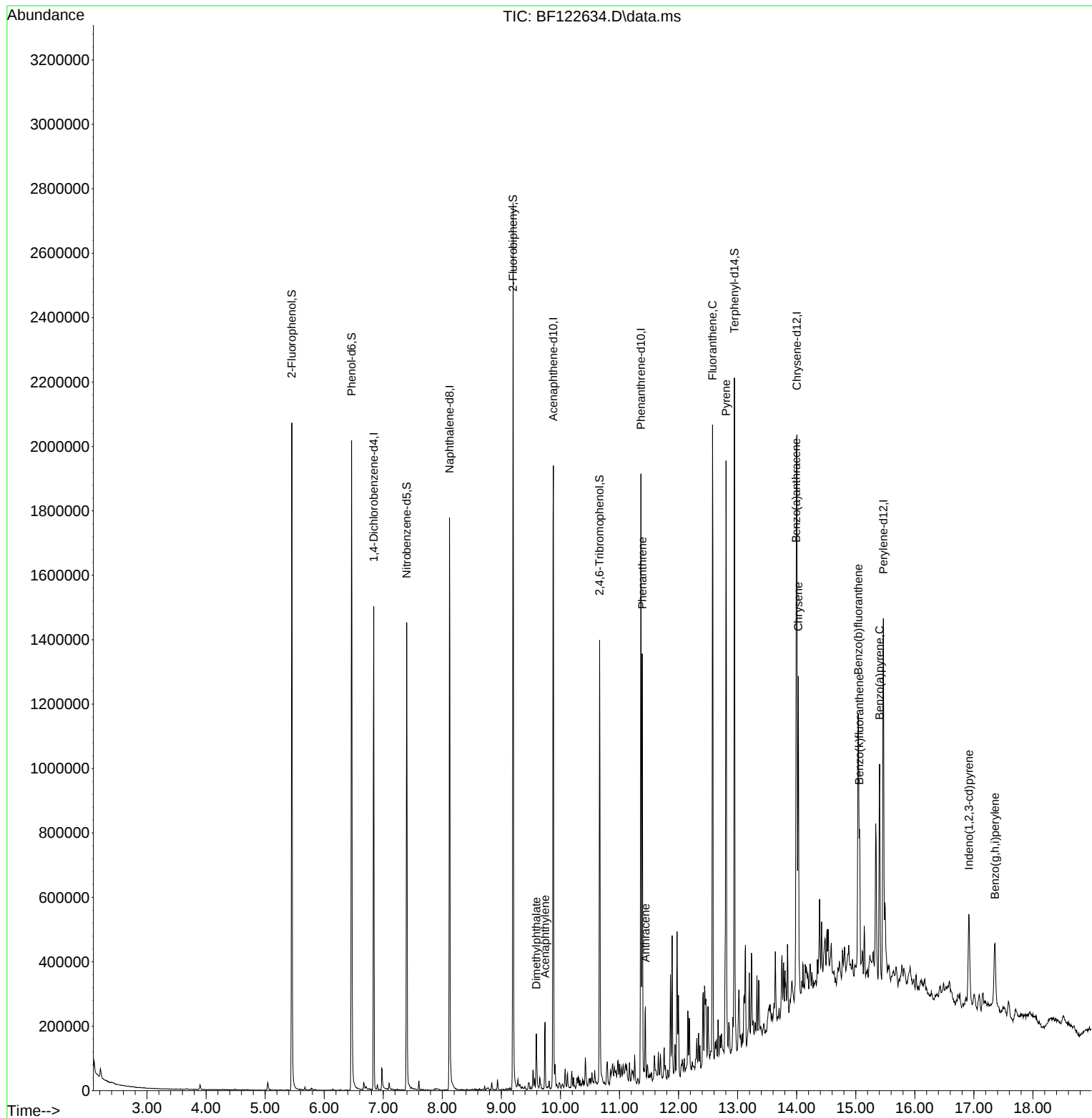
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Data File : BF122634.D
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Operator : JU/CG
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ALS Vial : 21 Sample Multiplier: 1

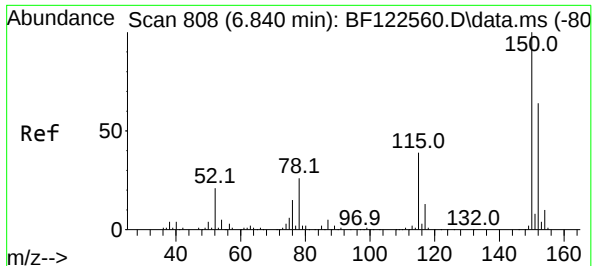
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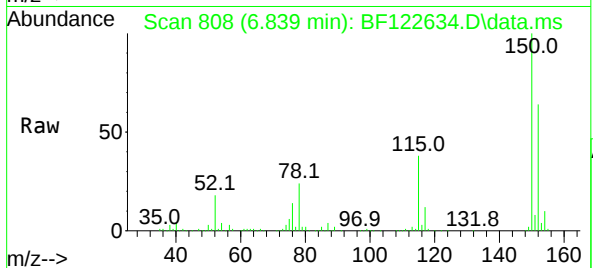
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
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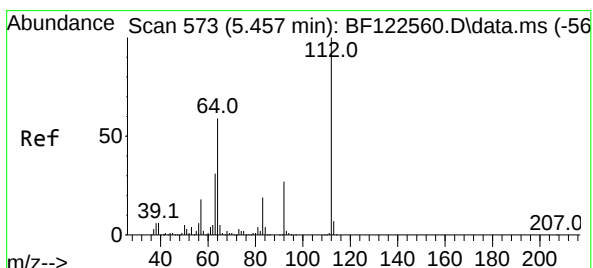
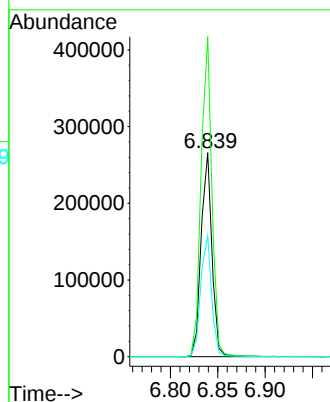
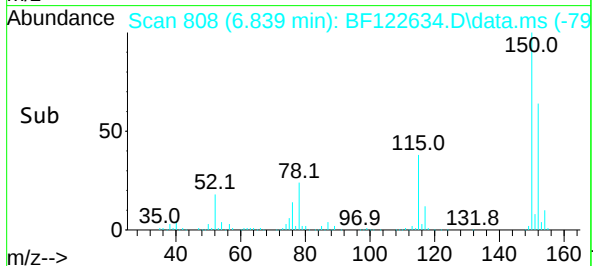




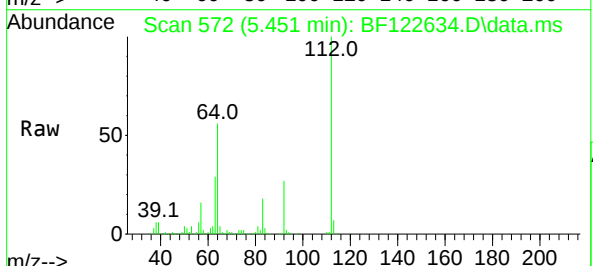
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



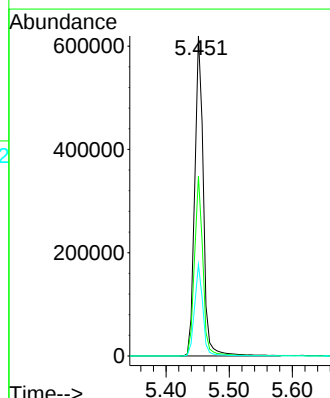
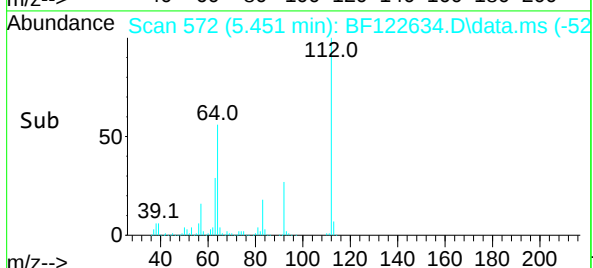
Tgt Ion:152 Resp: 211674
Ion Ratio Lower Upper
152 100
150 156.9 125.8 188.6
115 59.3 49.3 73.9



#5
2-Fluorophenol
Concen: 44.11 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



Tgt Ion:112 Resp: 589745
Ion Ratio Lower Upper
112 100
64 56.1 46.9 70.3
63 28.6 24.5 36.7



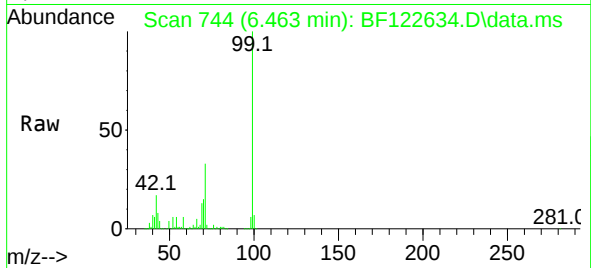
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

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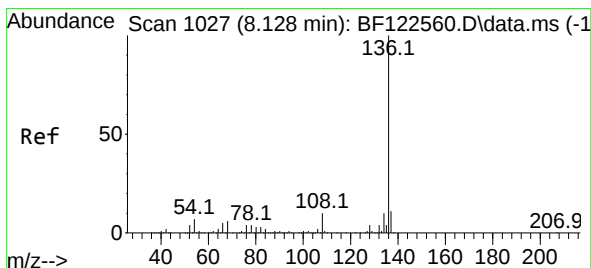
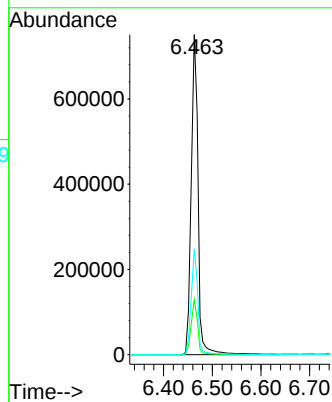
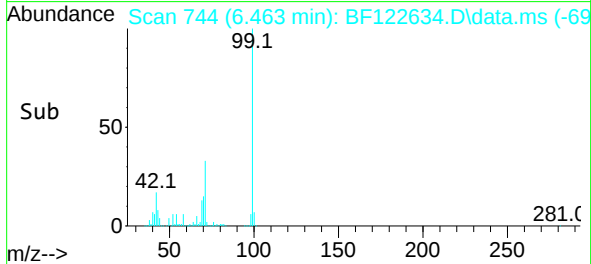
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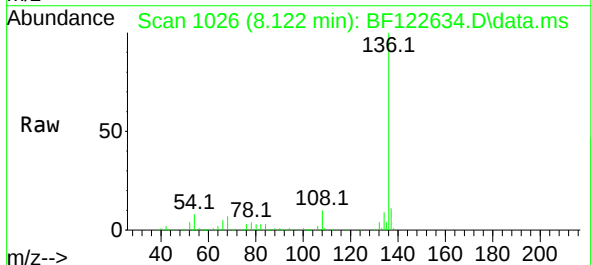
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Phenol-d6
Concen: 41.33 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



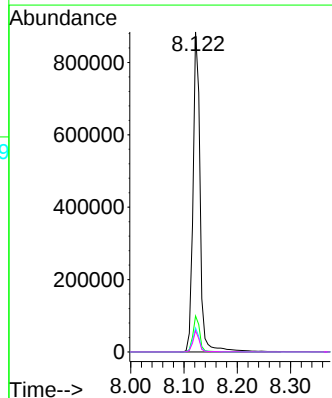
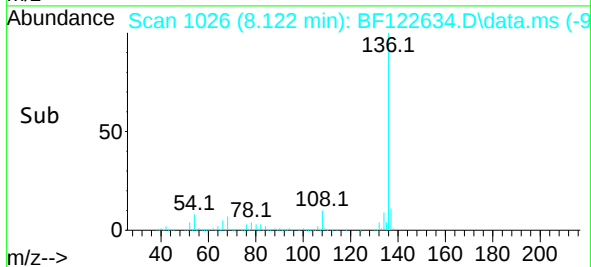
Tgt Ion: 99 Resp: 732912
Ion Ratio Lower Upper
99 100
42 17.1 13.8 20.6
71 32.9 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



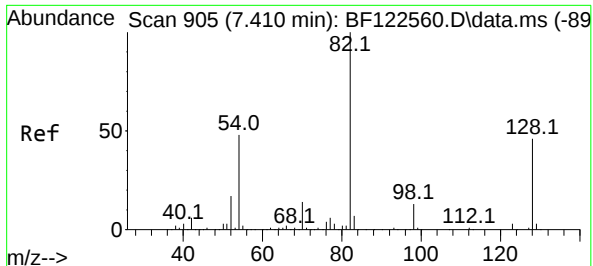
Tgt Ion: 136 Resp: 820674
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.5 5.5 8.3
68 6.6 4.6 6.8



Instrument :
BNA_F
ClientSampleId :
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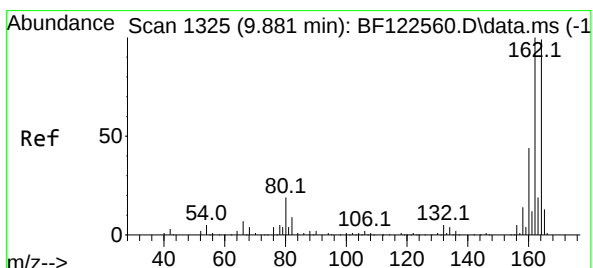
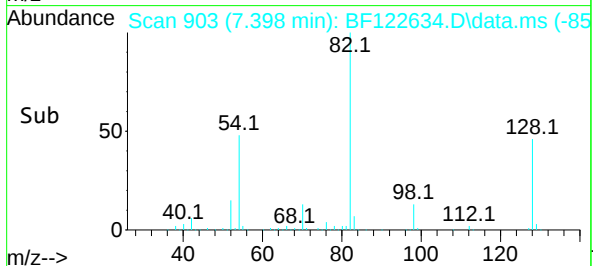
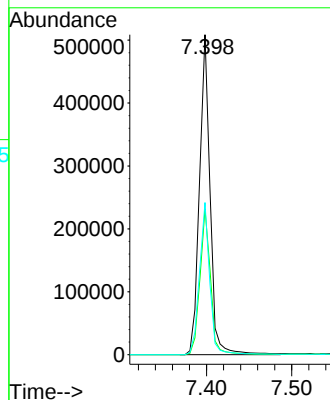
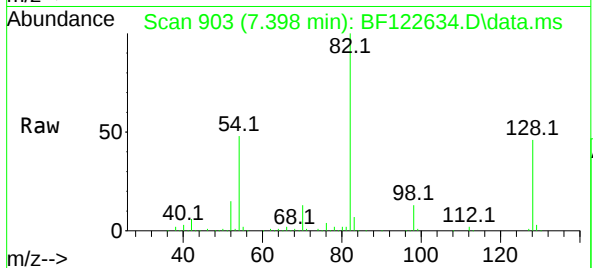
#23
Nitrobenzene-d5
Concen: 27.00 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion: 82 Resp: 442222
Ion Ratio Lower Upper
82 100
128 45.6 37.0 55.4
54 47.6 38.4 57.6

Instrument :
BNA_F
ClientSampleId :
HD-01-120820

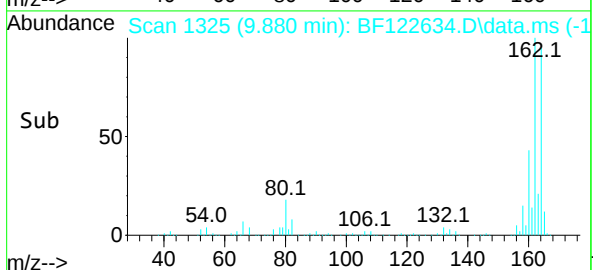
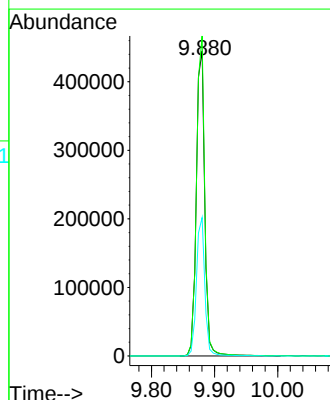
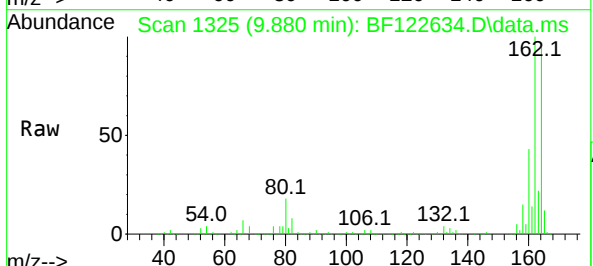
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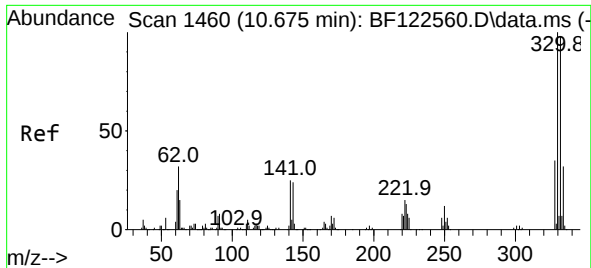
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.001 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

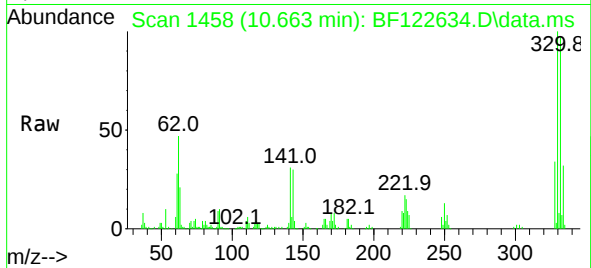
Tgt Ion: 164 Resp: 413316
Ion Ratio Lower Upper
164 100
162 104.9 80.8 121.2
160 45.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 32.86 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

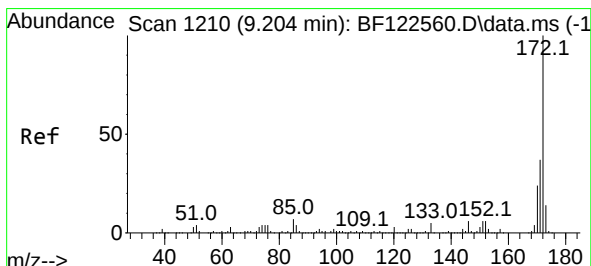
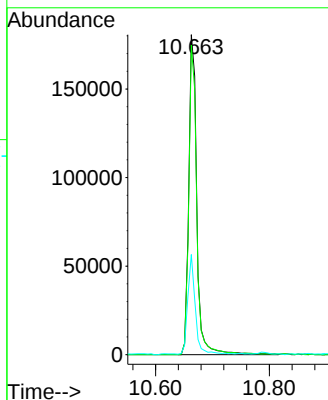
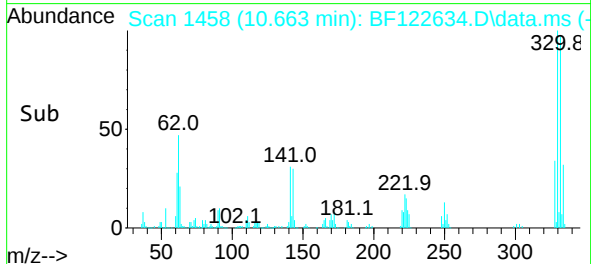
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HD-01-120820



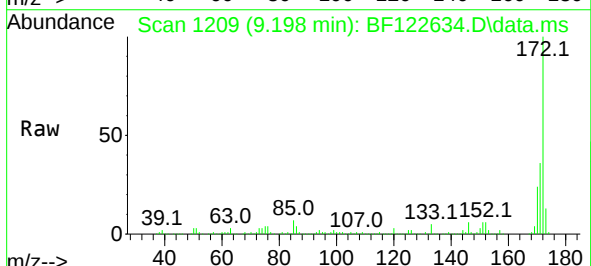
Tgt Ion: 330 Resp: 177775
Ion Ratio Lower Upper
330 100
332 95.1 77.5 116.3
141 28.7 23.8 35.8

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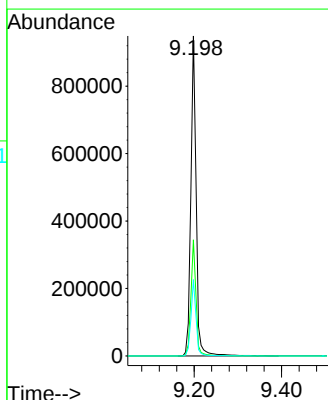
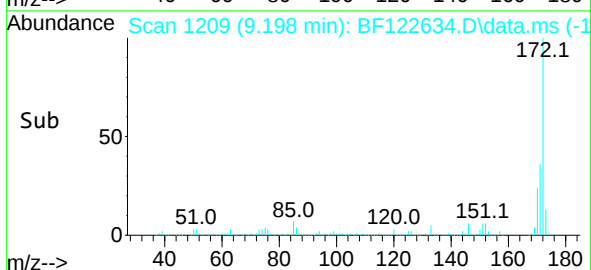
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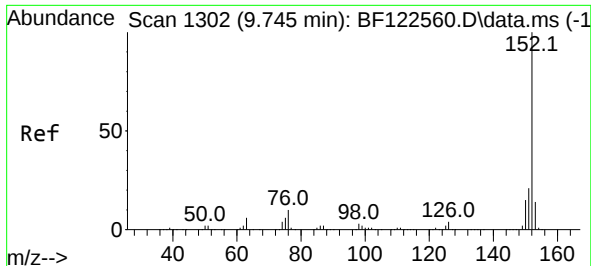


#45
2-Fluorobiphenyl
Concen: 26.35 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



Tgt Ion: 172 Resp: 805281
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.8 19.5 29.3





#49

Acenaphthylene

Concen: 2.03 ng

RT: 9.739 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BF122634.D

Acq: 10 Dec 2020 3:40

Tgt Ion:152	Resp:	85200
Ion Ratio	Lower	Upper
152	100	
151	19.9	16.6 25.0
153	14.1	10.9 16.3

Instrument :

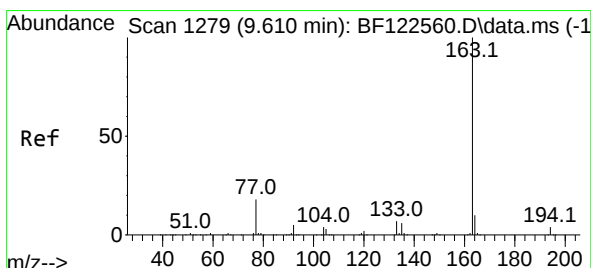
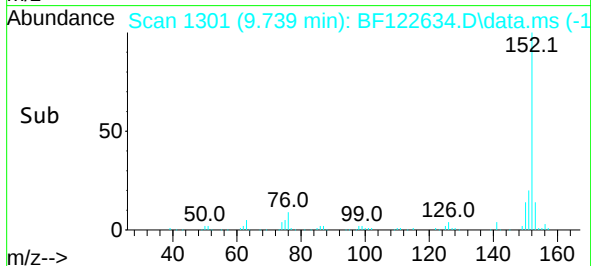
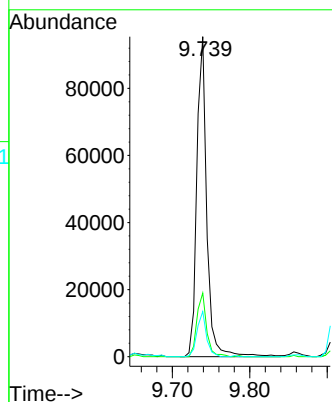
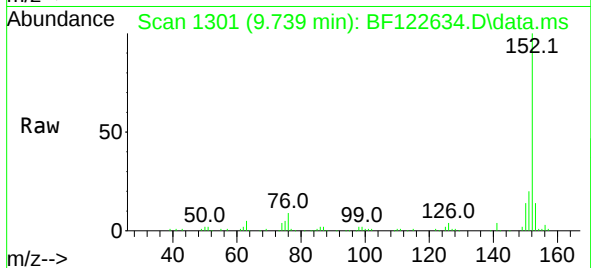
BNA_F

ClientSampleId :

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#50

Dimethylphthalate

Concen: 2.05 ng

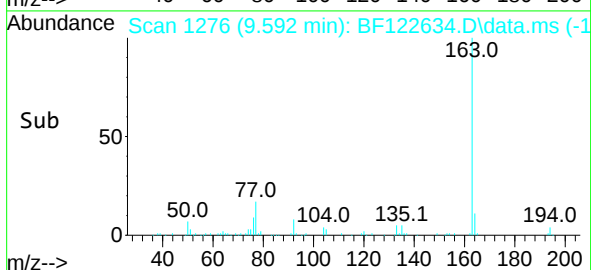
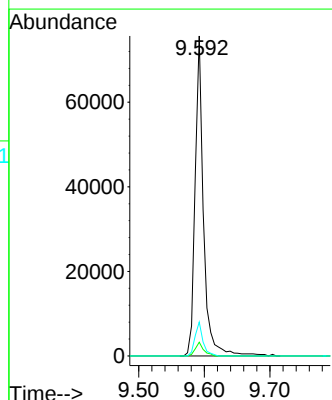
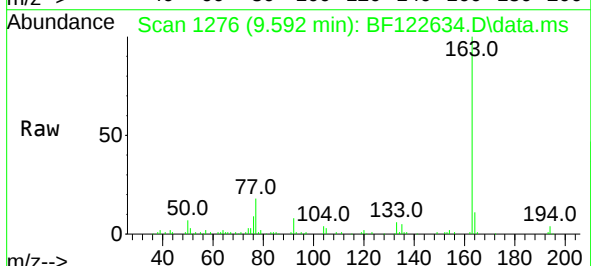
RT: 9.592 min Scan# 1276

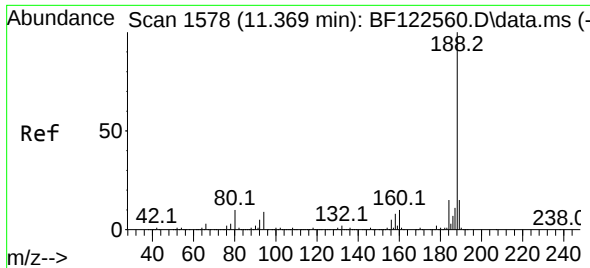
Delta R.T. -0.018 min

Lab File: BF122634.D

Acq: 10 Dec 2020 3:40

Tgt Ion:163	Resp:	67812
Ion Ratio	Lower	Upper
163	100	
194	4.3	3.4 5.0
164	10.6	8.1 12.1





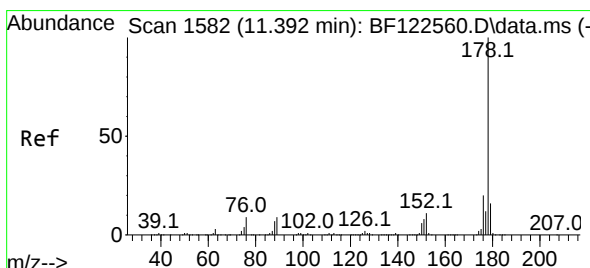
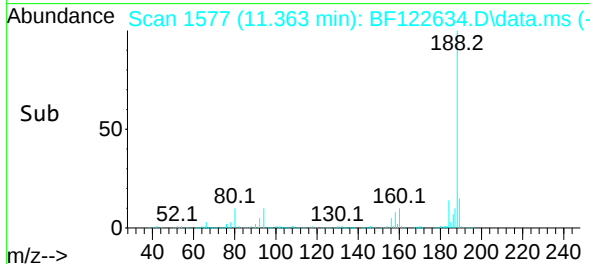
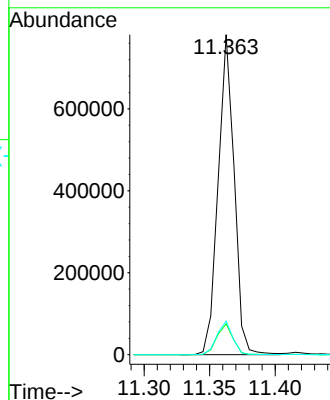
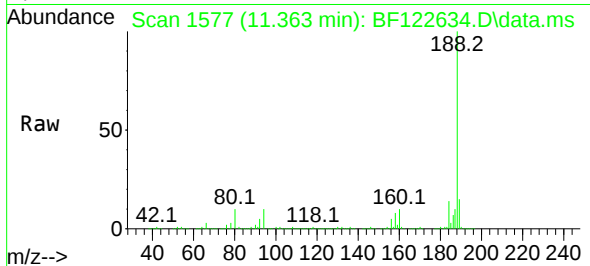
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:188 Resp: 663866
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.4 8.2 12.4

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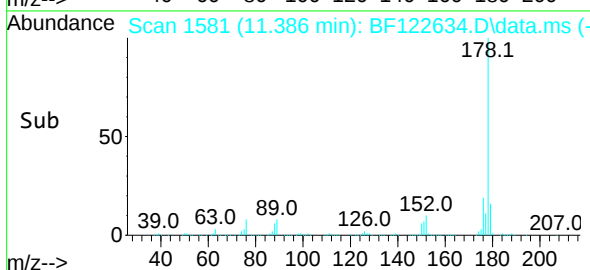
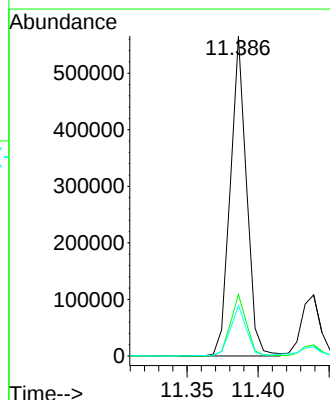
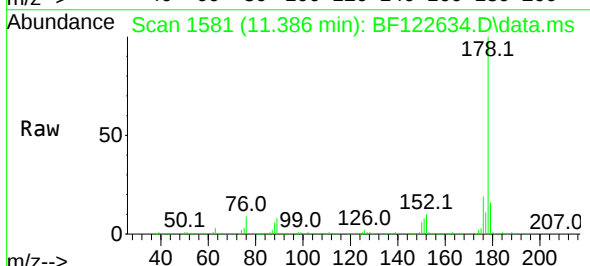
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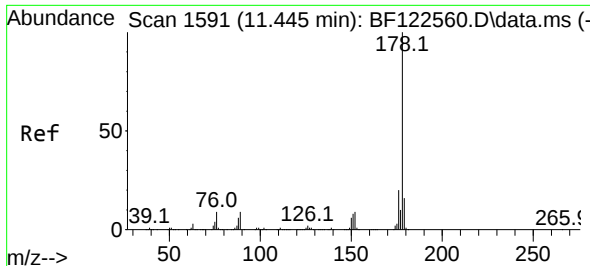
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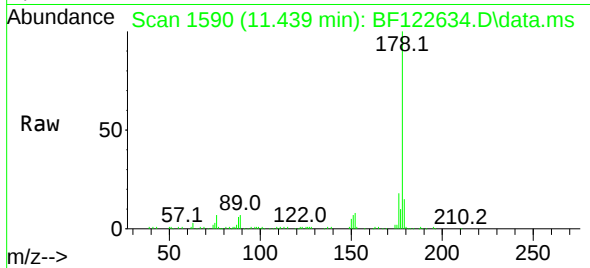
#71
Phenanthrene
Concen: 11.42 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:178 Resp: 450636
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.8 12.7 19.1

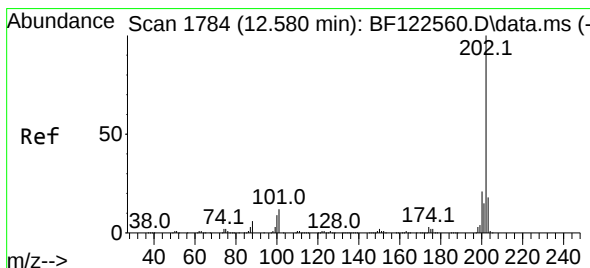
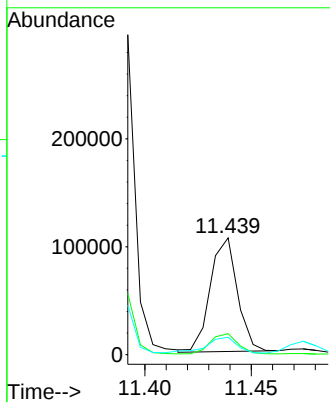
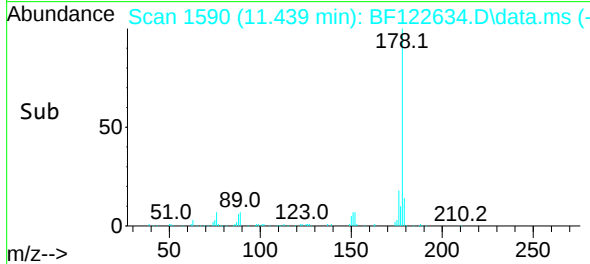




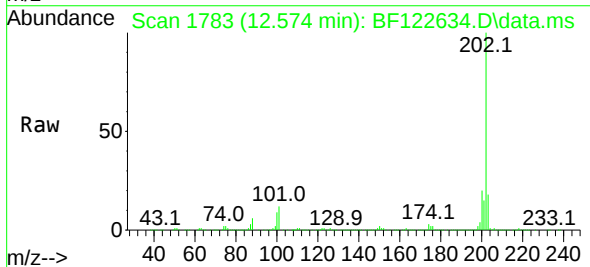
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 Anthracene
 Concen: 2.39 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122634.D
 Acq: 10 Dec 2020 3:40



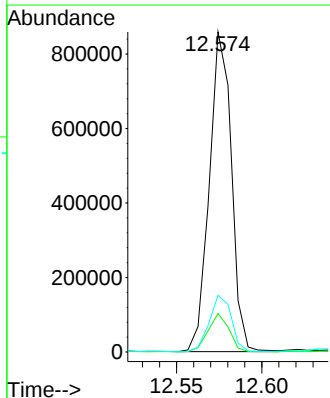
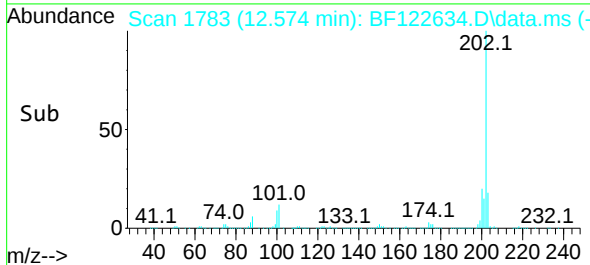
Tgt Ion:178 Resp: 93480
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.6 23.4
 179 14.9 12.8 19.2



#75
 Fluoranthene
 Concen: 18.74 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: BF122634.D
 Acq: 10 Dec 2020 3:40



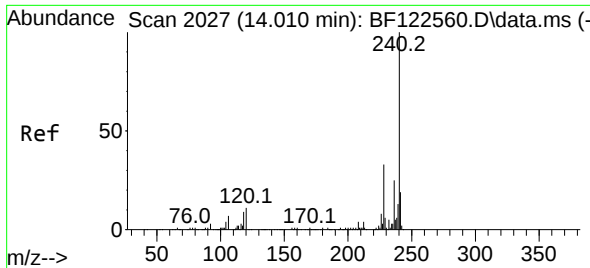
Tgt Ion:202 Resp: 775412
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 32.2
 203 17.7 0.0 38.1



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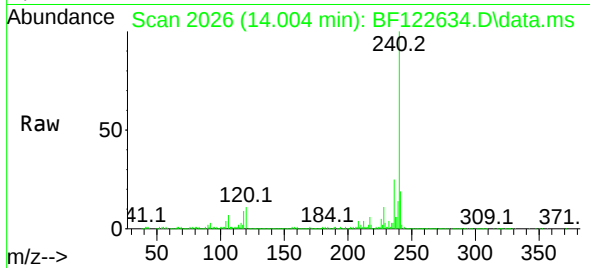
Manual Integrations
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

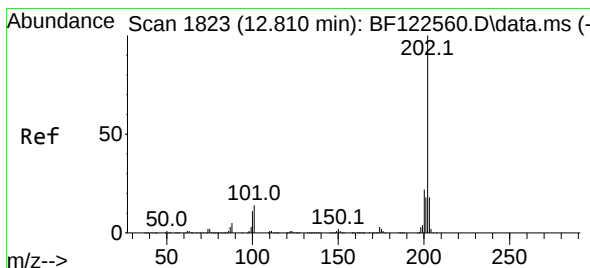
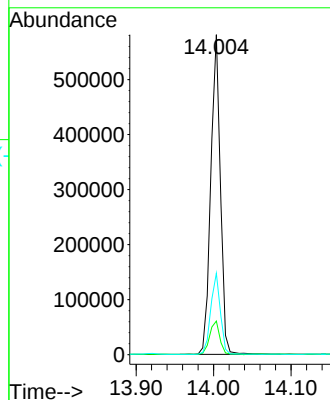
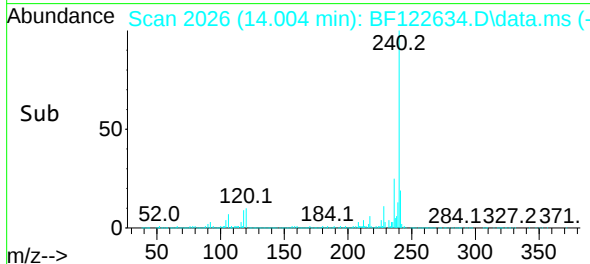
Instrument :
BNA_F
ClientSampleId :
HD-01-120820



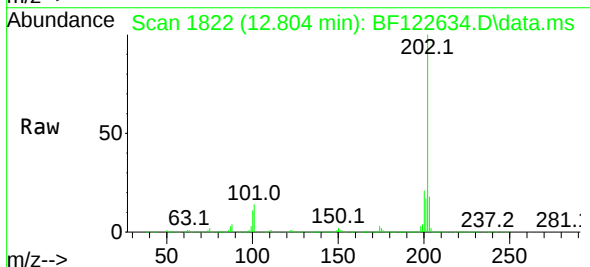
Tgt Ion:240 Resp: 500665
Ion Ratio Lower Upper
240 100
120 10.5 8.6 12.8
236 25.5 20.3 30.5

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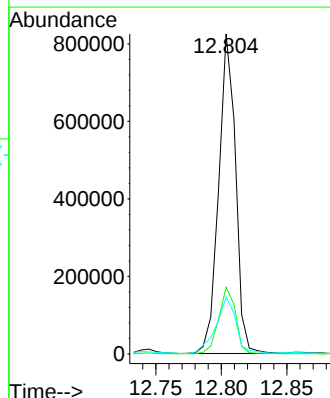
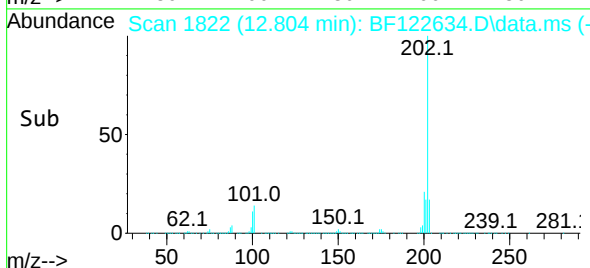
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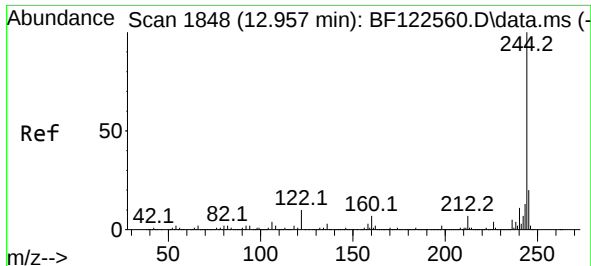


#78
Pyrene
Concen: 19.06 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



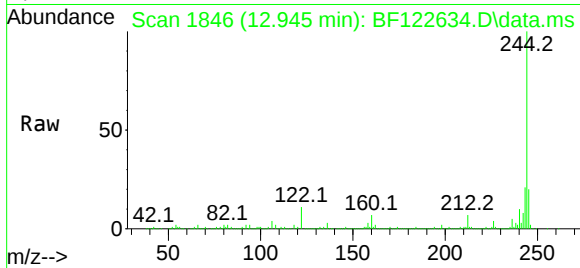
Tgt Ion:202 Resp: 737760
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 17.8 14.6 21.8





#79
Terphenyl-d14
Concen: 21.95 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

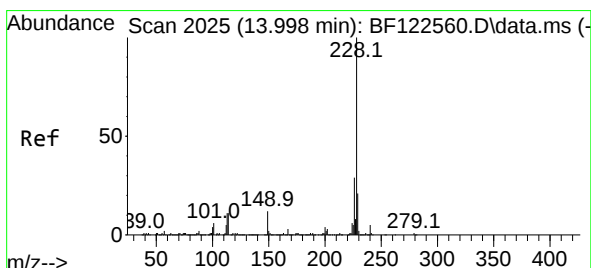
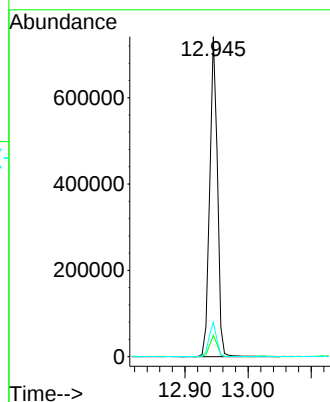
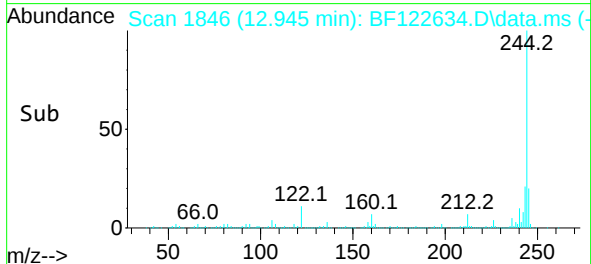
Instrument :
BNA_F
ClientSampleId :
HD-01-120820



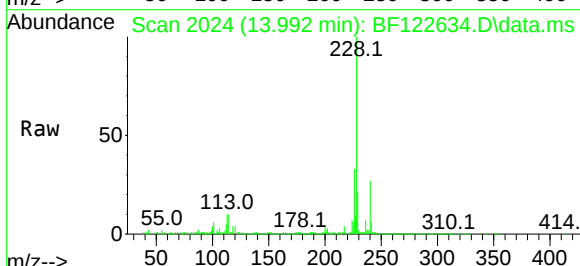
Tgt Ion:244 Resp: 627754
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.7 8.3 12.5

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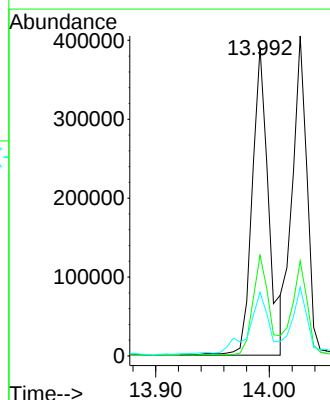
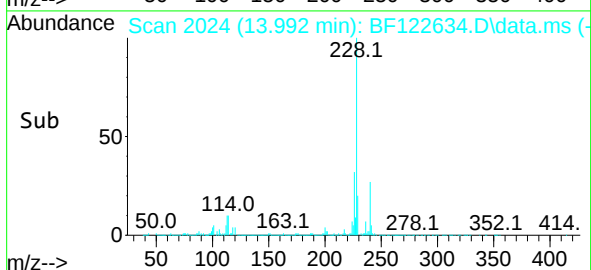
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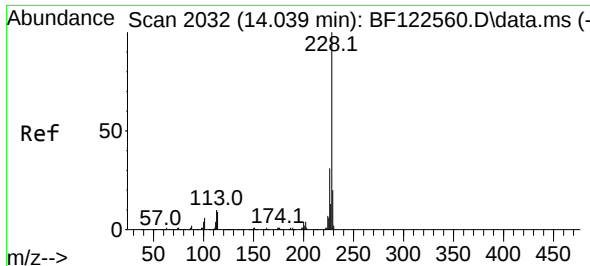


#81
Benzo(a)anthracene
Concen: 11.71 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

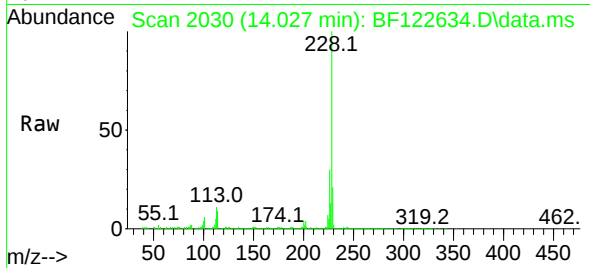


Tgt Ion:228 Resp: 391886
Ion Ratio Lower Upper
228 100
226 32.7 23.0 34.4
229 20.6 16.6 24.8

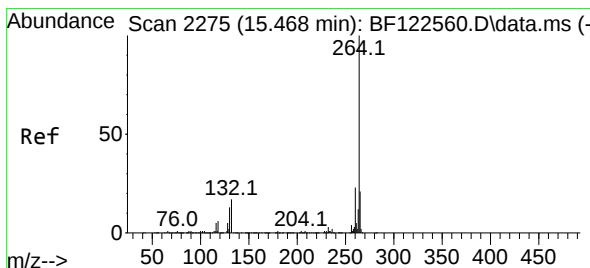
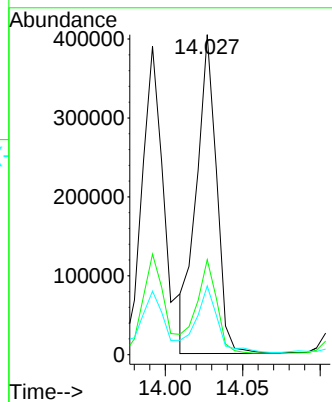
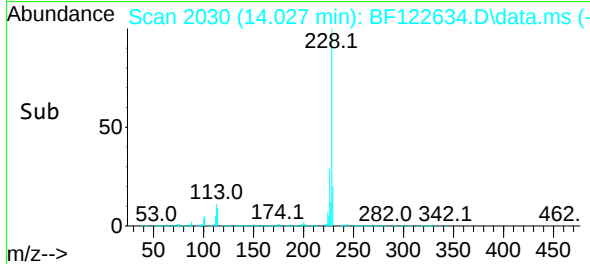




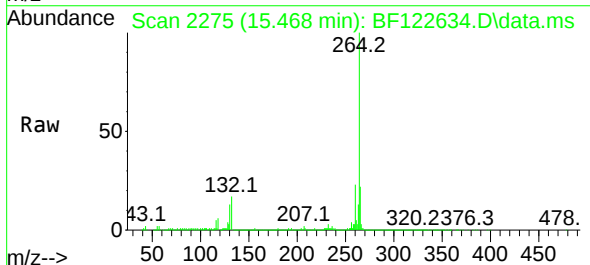
#83
Chrysene
Concen: 10.93 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



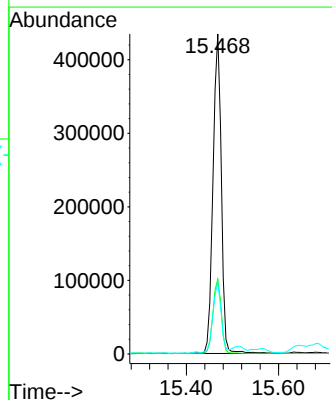
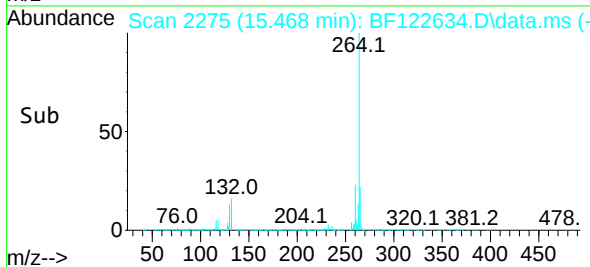
Tgt Ion:228 Resp: 363902
Ion Ratio Lower Upper
228 100
226 29.7 24.6 36.8
229 21.5 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



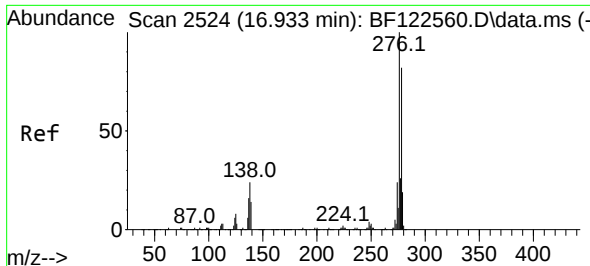
Tgt Ion:264 Resp: 545726
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.3 17.0 25.6



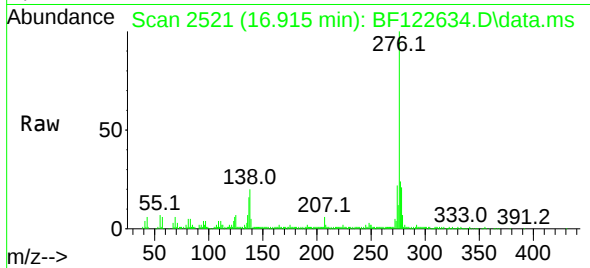
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

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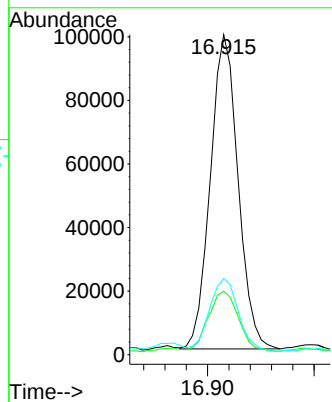
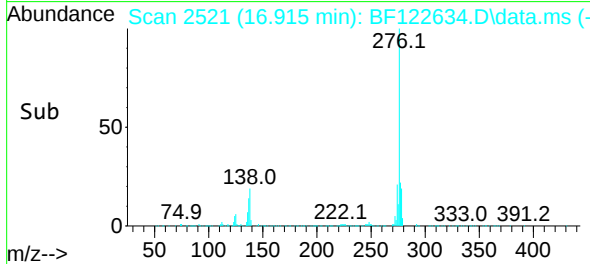
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#87
Indeno(1,2,3-cd)pyrene
Concen: 4.98 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



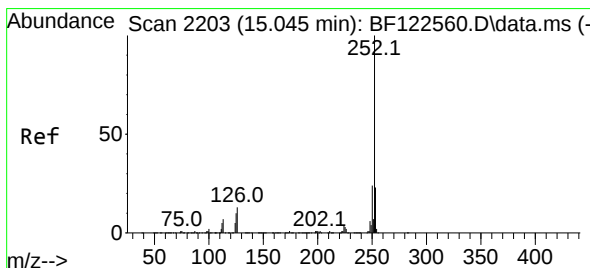
Tgt Ion: 276 Resp: 178432
Ion Ratio Lower Upper
276 100
138 21.3 18.7 28.1
277 24.2 20.2 30.4



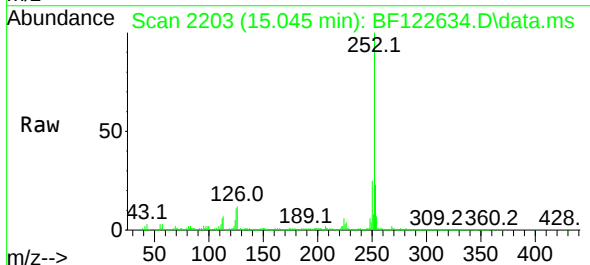
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

Manual Integrations
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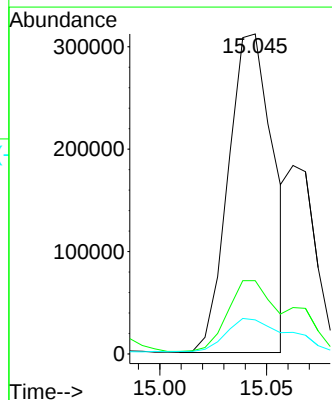
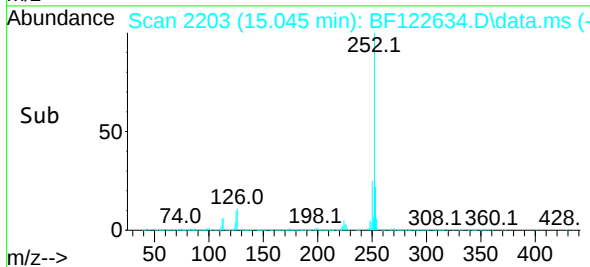
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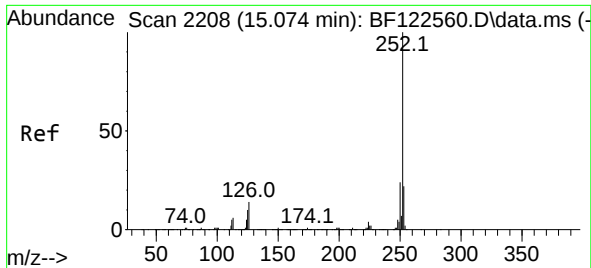


#88
Benzo(b)fluoranthene
Concen: 11.90 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40



Tgt Ion: 252 Resp: 455678
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.6 8.1 12.1





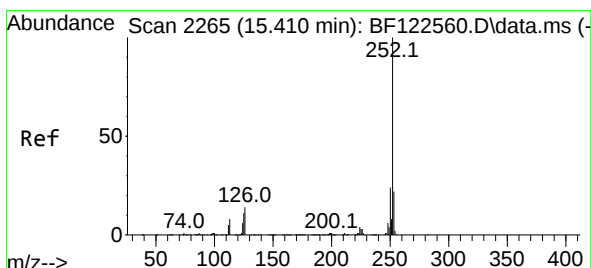
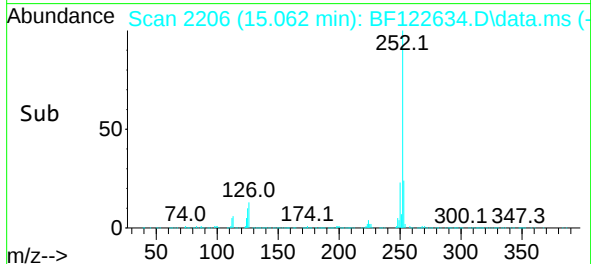
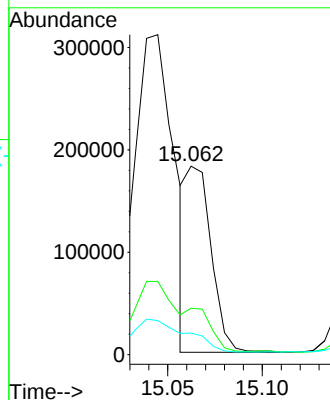
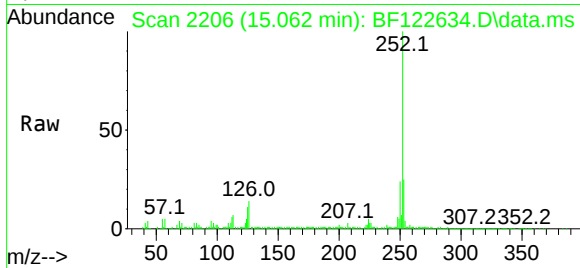
#89
Benzo(k)fluoranthene
Concen: 4.71 ng m
RT: 15.062 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:252 Resp: 164804
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 11.5 8.4 12.6

Instrument :
BNA_F
ClientSampleId :
HD-01-120820

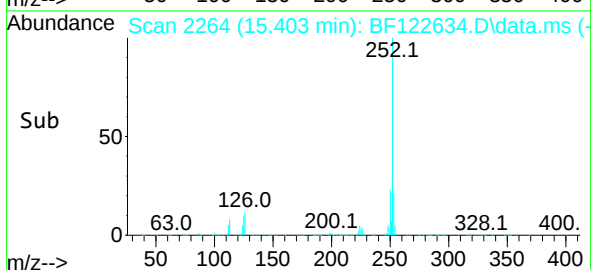
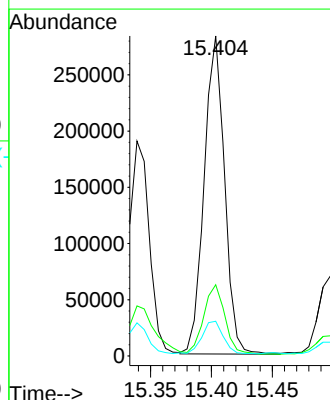
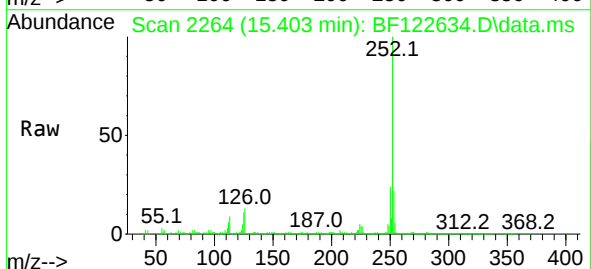
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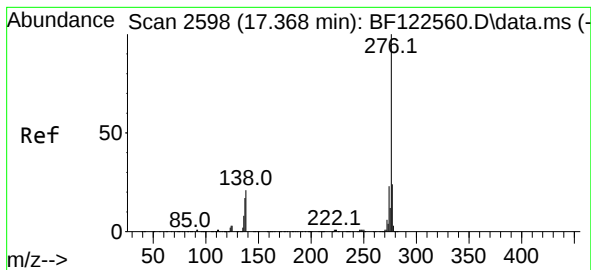
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#90
Benzo(a)pyrene
Concen: 9.84 ng
RT: 15.403 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

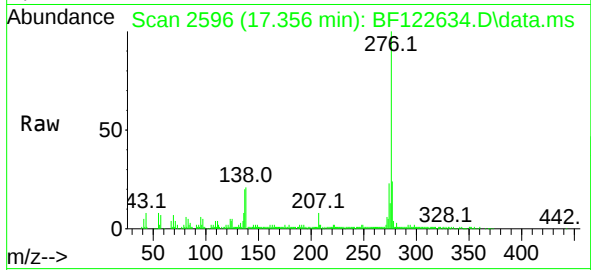
Tgt Ion:252 Resp: 329574
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.9 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.82 ng
 RT: 17.356 min Scan# 2596
 Delta R.T. -0.012 min
 Lab File: BF122634.D
 Acq: 10 Dec 2020 3:40

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-120820



Tgt Ion:	276	Resp:	165025
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.3	28.9
138	20.8	16.6	24.8

Manual Integrations
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