

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071621\
 Data File : BN015593.D
 Acq On : 16 Jul 2021 12:13
 Operator : CG/JU
 Sample : M2953-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11B-070621

Manual Integrations
 APPROVED

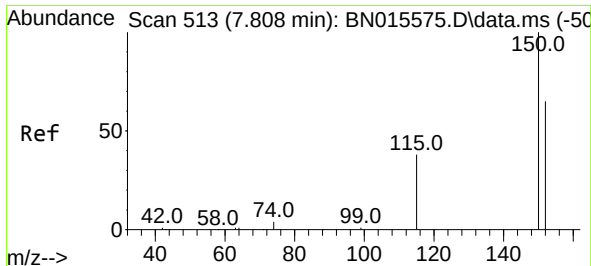
mohammad
 7/19/2021 11:54:15 AM

Quant Time: Jul 16 12:46:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN071521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 15 15:46:51 2021
 Response via : Initial Calibration

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

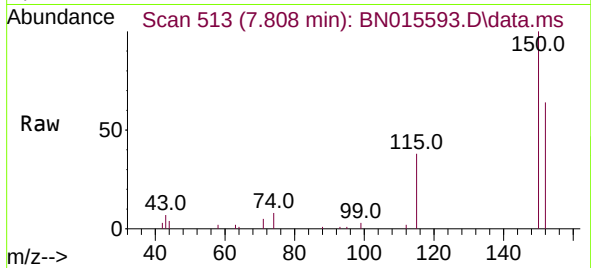
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	16190	0.40	ng	# 0.00
7) Naphthalene-d8	10.584	136	71922	0.40	ng	0.00
13) Acenaphthene-d10	14.434	164	40956	0.40	ng	0.00
19) Phenanthrene-d10	17.176	188	78102	0.40	ng	0.00
29) Chrysene-d12	21.376	240	71544	0.40	ng	# 0.00
35) Perylene-d12	23.731	264	68611	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.402	112	4572	0.10	ng	0.00
5) Phenol-d6	6.979	99	2991	0.05	ng	0.00
8) Nitrobenzene-d5	8.949	82	16628	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.176	152	37563	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	4968	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	52429	0.32	ng	0.00
27) Fluoranthene-d10	19.217	212	91019	0.39	ng	0.00
31) Terphenyl-d14	19.818	244	71740	0.42	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.355	88	127694m	16.12	ng	
23) Atrazine	16.640	200	513	0.11	ng	# 81
24) Pentachlorophenol	16.823	266	4299	0.56	ng	# 39
28) Fluoranthene	19.247	202	9800	0.04	ng	# 98
30) Pyrene	19.609	202	10138	0.04	ng	98
32) Benzo(a)anthracene	21.366	228	11447	0.05	ng	95
33) Chrysene	21.419	228	12415m	0.05	ng	
34) Bis(2-ethylhexyl)phtha...	21.302	149	35825	0.33	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.148	276	12626	0.05	ng	# 85
37) Benzo(b)fluoranthene	23.016	252	12836	0.05	ng	# 87
38) Benzo(k)fluoranthene	23.063	252	12807	0.05	ng	# 90
39) Benzo(a)pyrene	23.625	252	7934	0.03	ng	# 79
40) Dibenzo(a,h)anthracene	26.165	278	10181	0.05	ng	# 91
41) Benzo(g,h,i)perylene	26.880	276	10934	0.05	ng	# 87

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.808 min Scan# 513
 Delta R.T. 0.000 min
 Lab File: BN015593.D
 Acq: 16 Jul 2021 12:13

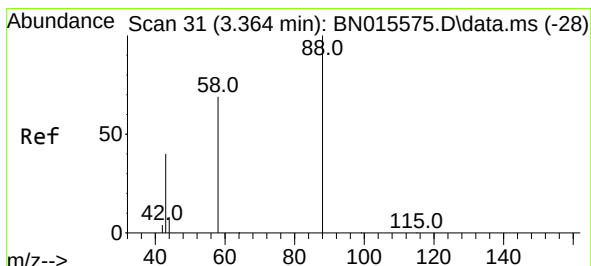
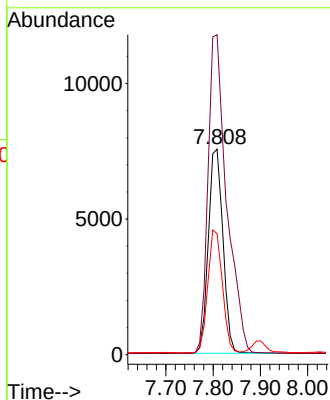
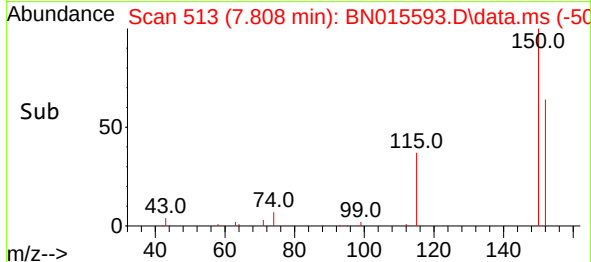
Instrument :
 BNA_N
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 MW-11B-070621



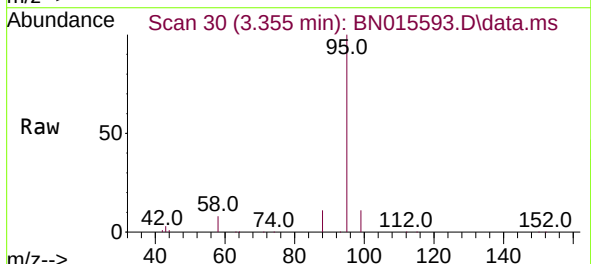
Tgt Ion:152 Resp: 16190
 Ion Ratio Lower Upper
 152 100
 150 155.8 119.0 178.6
 115 58.9 62.2 93.4#

Manual Integrations
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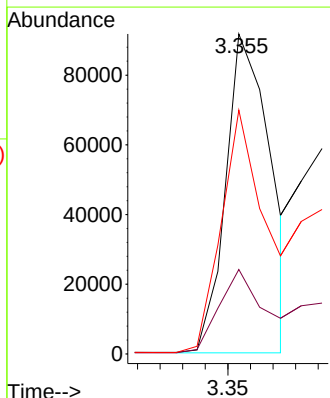
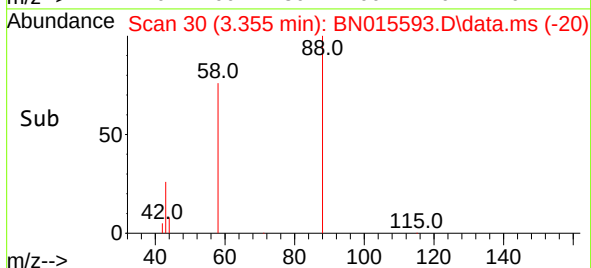
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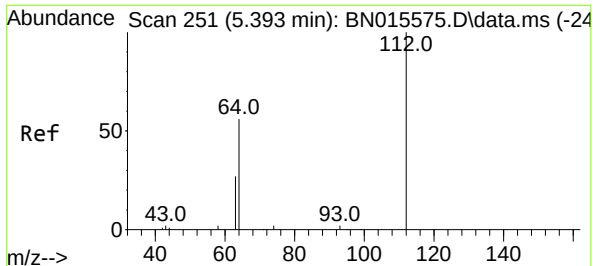


#2
 1,4-Dioxane
 Concen: 16.12 ng m
 RT: 3.355 min Scan# 30
 Delta R.T. -0.009 min
 Lab File: BN015593.D
 Acq: 16 Jul 2021 12:13



Tgt Ion: 88 Resp: 127694
 Ion Ratio Lower Upper
 88 100
 43 26.3 12.9 19.3#
 58 74.2 38.1 57.1#





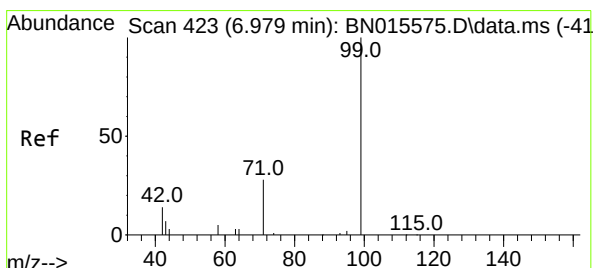
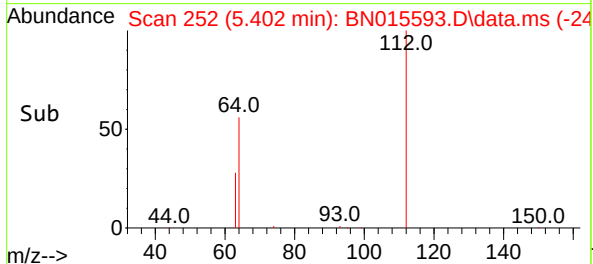
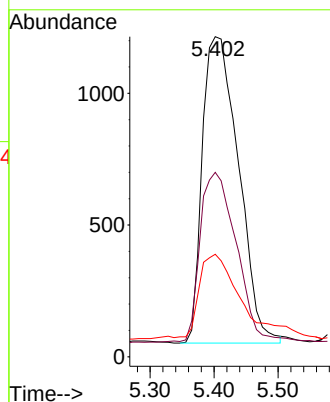
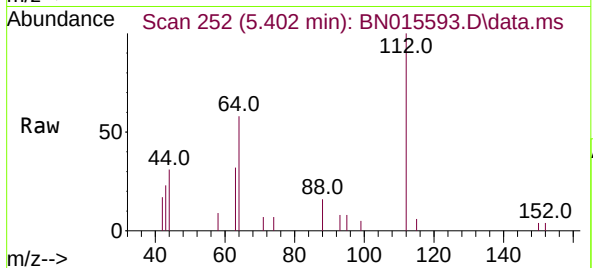
#4
2-Fluorophenol
Concen: 0.10 ng
RT: 5.402 min Scan# 252
Delta R.T. 0.009 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion: 112 Resp: 4572
Ion Ratio Lower Upper
112 100
64 55.1 39.0 58.6
63 29.7 20.6 30.8

Instrument :
BNA_N
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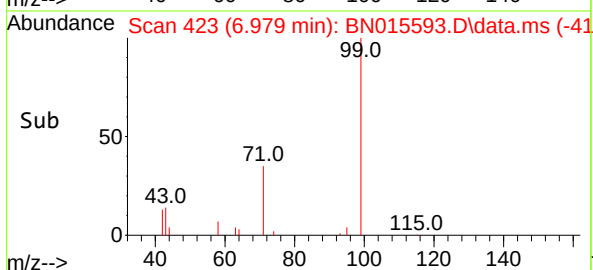
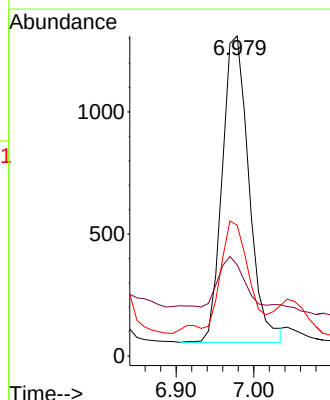
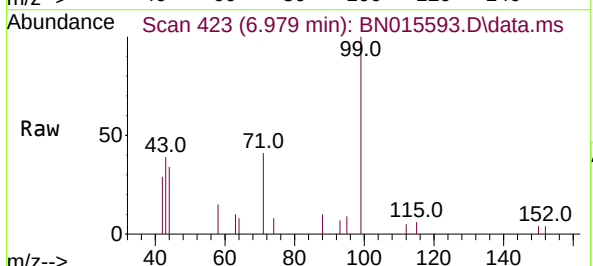
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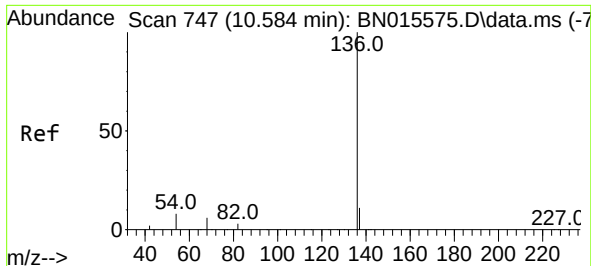
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#5
Phenol-d6
Concen: 0.05 ng
RT: 6.979 min Scan# 423
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

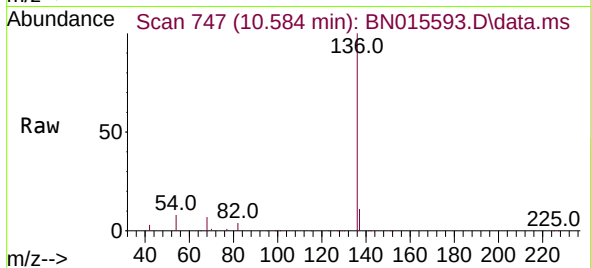
Tgt Ion: 99 Resp: 2991
Ion Ratio Lower Upper
99 100
42 15.7 8.9 13.3#
71 40.3 35.6 53.4





#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.584 min Scan# 747
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

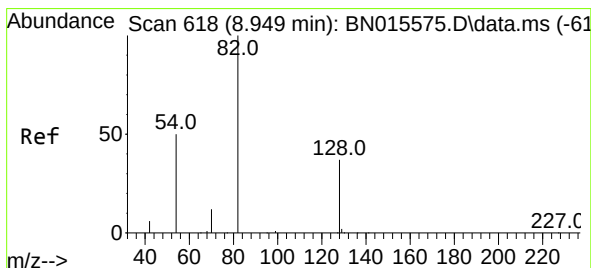
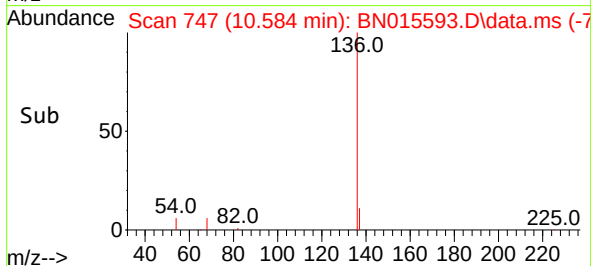
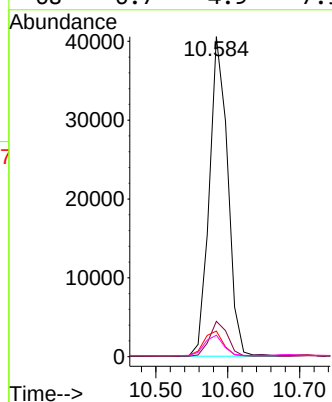
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:	136	Resp:	71922
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.8	14.8
54	8.0	5.4	8.2
68	6.7	4.9	7.3

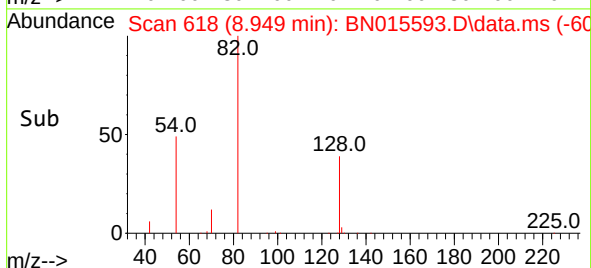
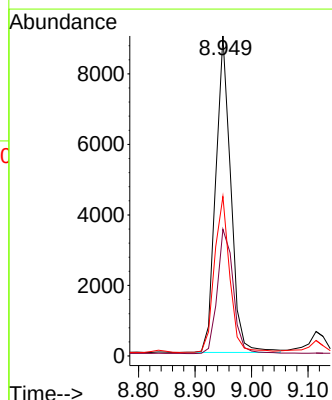
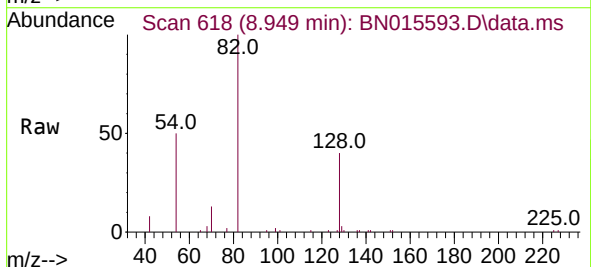
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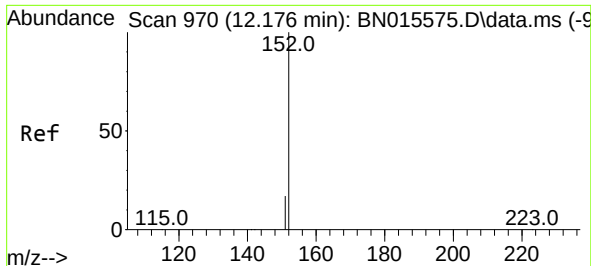
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#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.949 min Scan# 618
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:	82	Resp:	16628
Ion Ratio	Lower	Upper	
82	100		
128	39.6	31.6	47.4
54	49.8	29.0	43.4





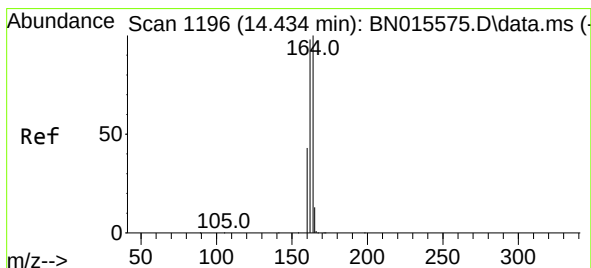
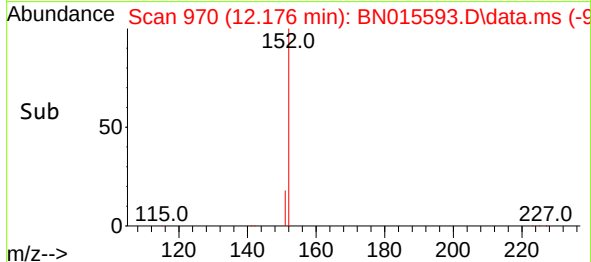
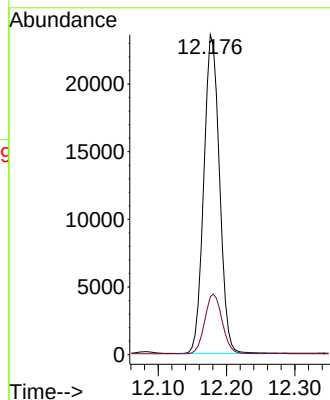
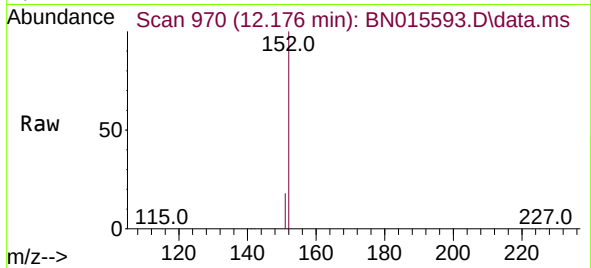
#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 12.176 min Scan# 970
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:152 Resp: 37563
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1

Instrument :
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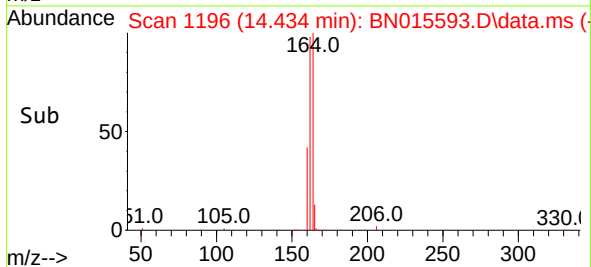
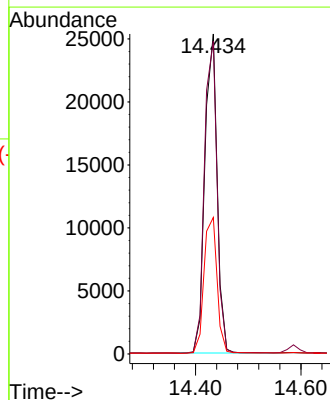
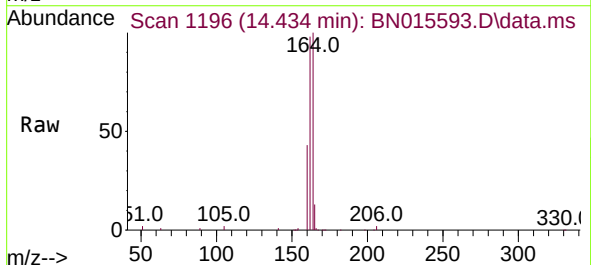
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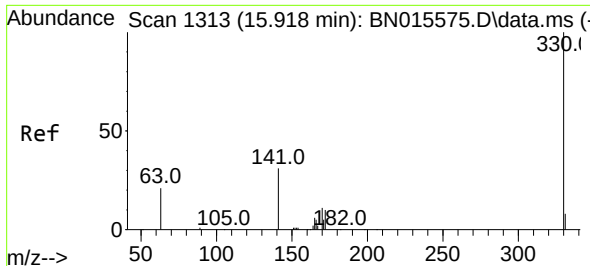
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#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.434 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:164 Resp: 40956
Ion Ratio Lower Upper
164 100
162 97.7 83.8 125.6
160 42.6 37.4 56.0





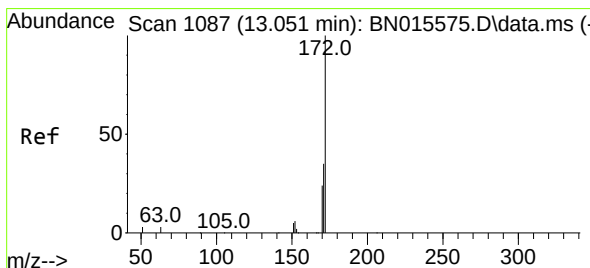
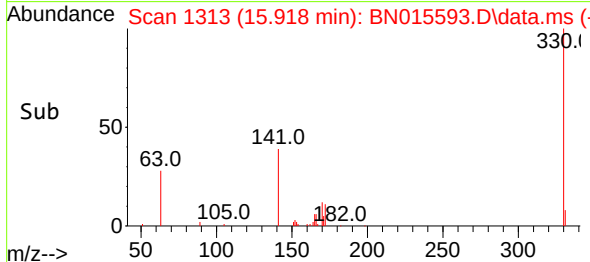
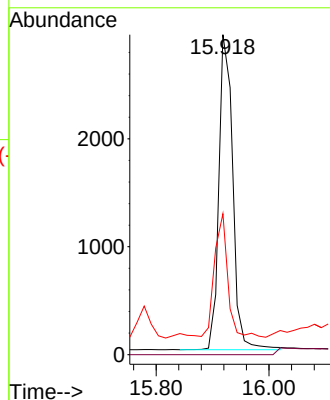
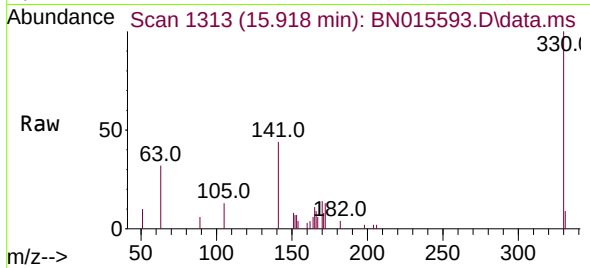
#14
2,4,6-Tribromophenol
Concen: 0.37 ng
RT: 15.918 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion: 330 Resp: 4968
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.4 22.4 33.6#

Instrument :
BNA_N
ClientSampleId :
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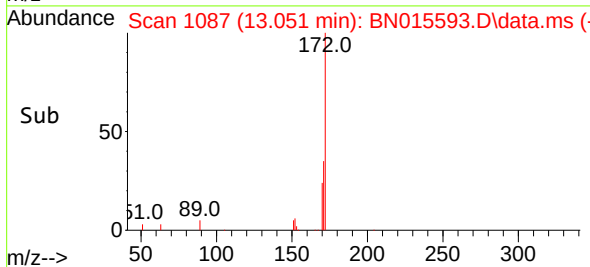
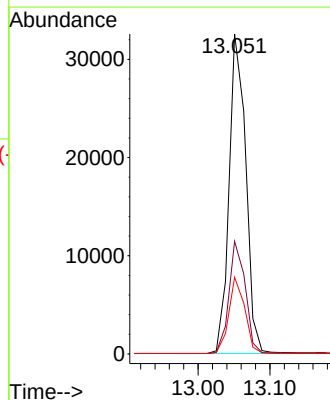
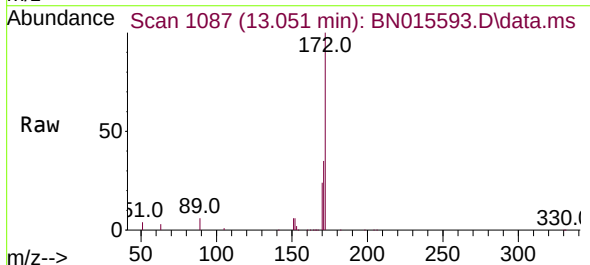
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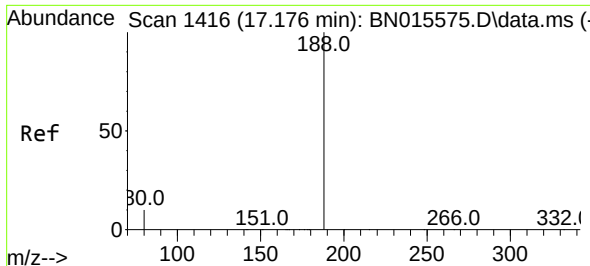
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#15
2-Fluorobiphenyl
Concen: 0.32 ng
RT: 13.051 min Scan# 1087
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

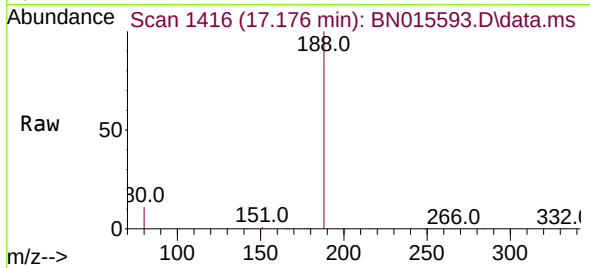
Tgt Ion: 172 Resp: 52429
Ion Ratio Lower Upper
172 100
171 35.2 30.6 45.8
170 23.9 20.2 30.4





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.176 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

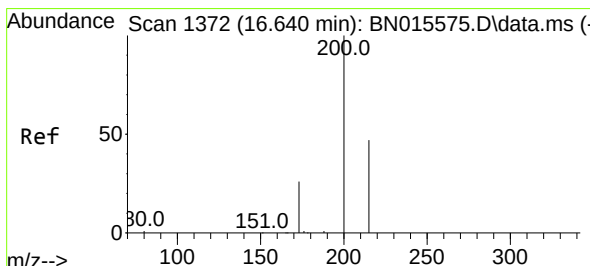
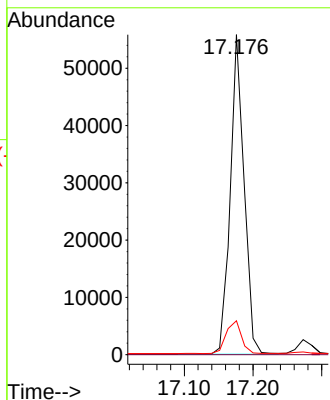
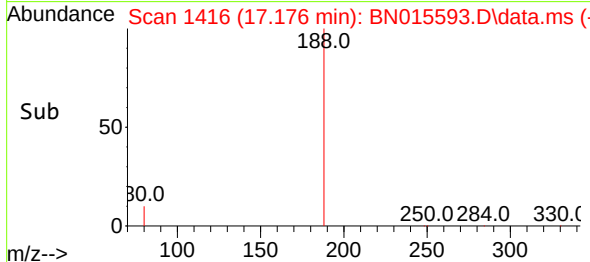
Instrument :
BNA_N
ClientSampleId :
MW-11B-070621



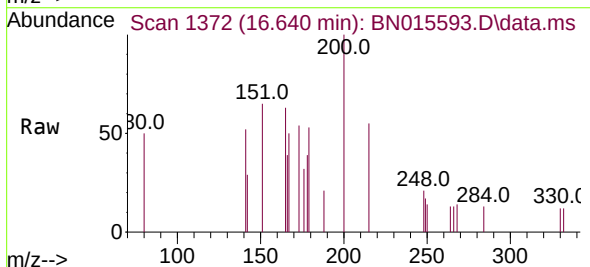
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Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 9.0 13.4

Manual Integrations
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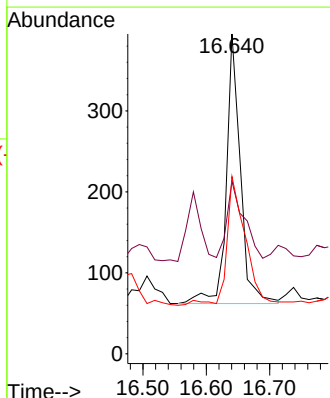
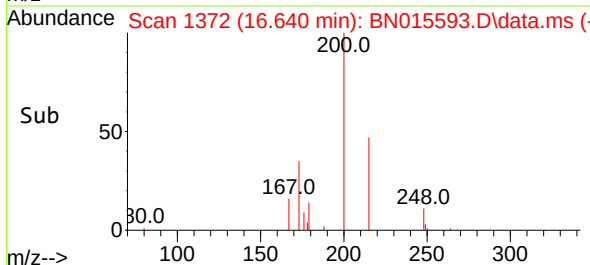
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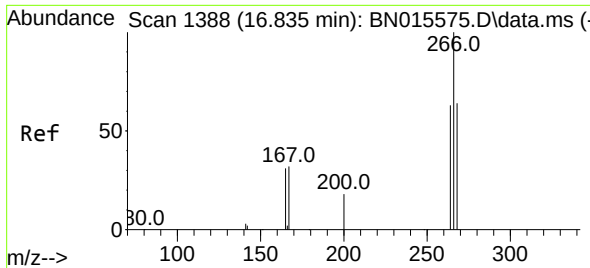


#23
Atrazine
Concen: 0.11 ng
RT: 16.640 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13



Tgt Ion:200 Resp: 513
Ion Ratio Lower Upper
200 100
173 53.9 21.7 32.5#
215 55.4 43.1 64.7





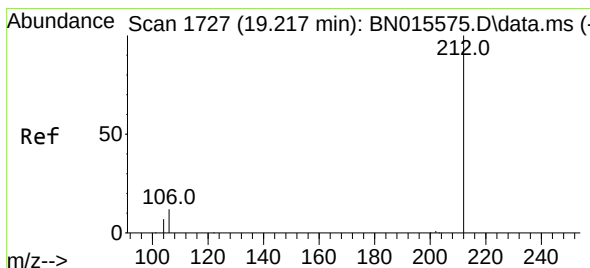
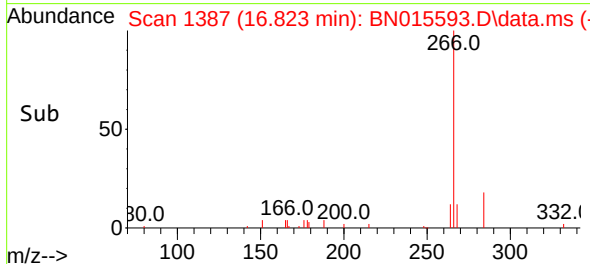
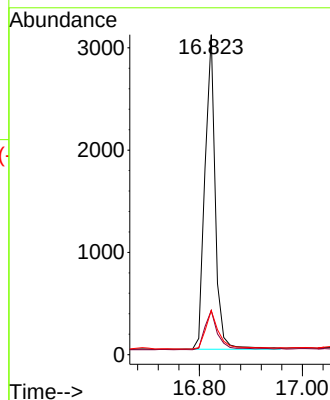
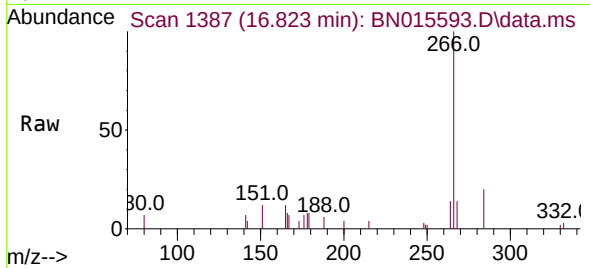
#24
Pentachlorophenol
Concen: 0.56 ng
RT: 16.823 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion	Ratio	Lower	Upper
266	100		
264	16.0	51.0	76.4#
268	16.3	50.6	76.0#

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MW-11B-070621

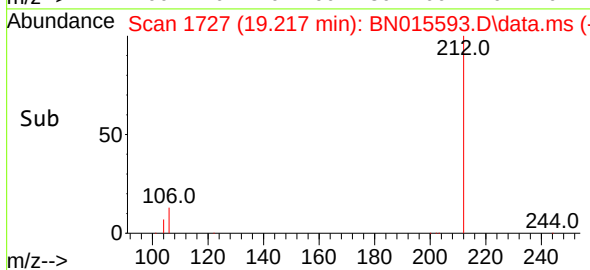
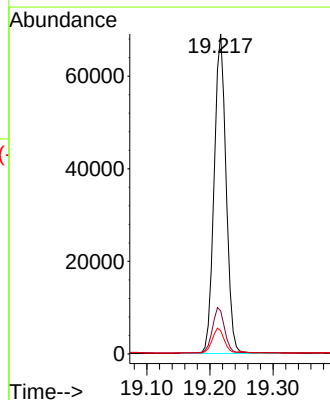
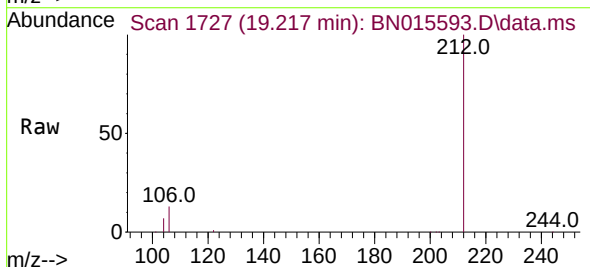
Manual Integrations
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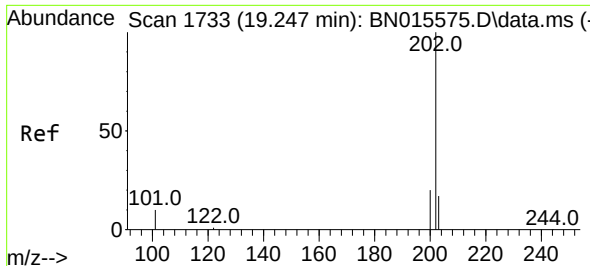
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#27
Fluoranthene-d10
Concen: 0.39 ng
RT: 19.217 min Scan# 1727
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

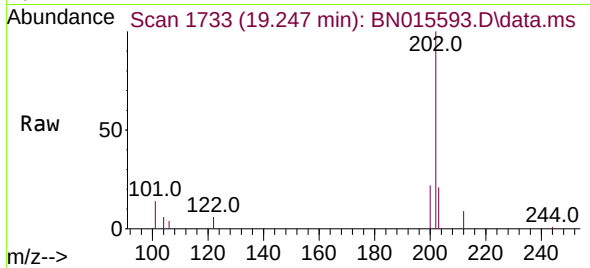
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.4	7.0	10.6#
104	7.9	4.1	6.1#





#28
Fluoranthene
Concen: 0.04 ng
RT: 19.247 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

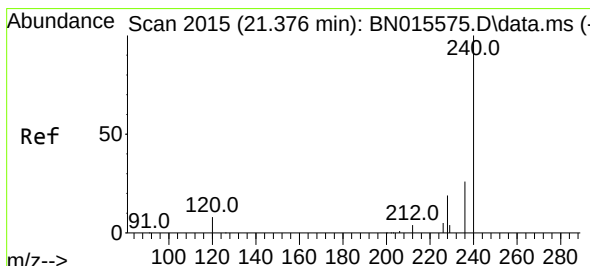
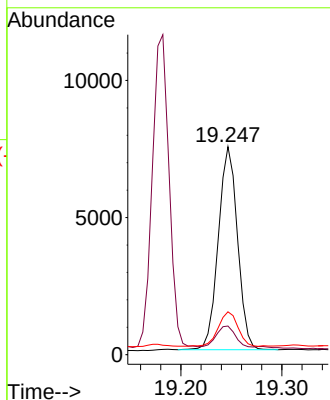
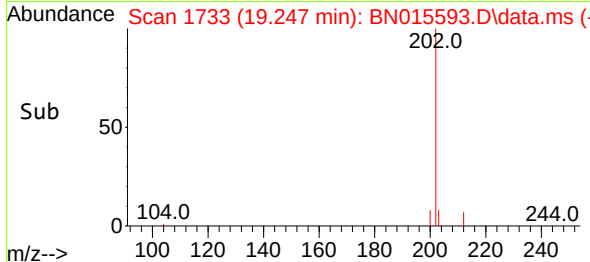
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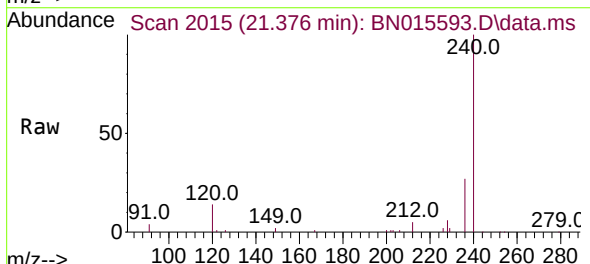
Tgt Ion:202 Resp: 9800
Ion Ratio Lower Upper
202 100
101 10.1 6.6 10.0#
203 17.4 13.9 20.9

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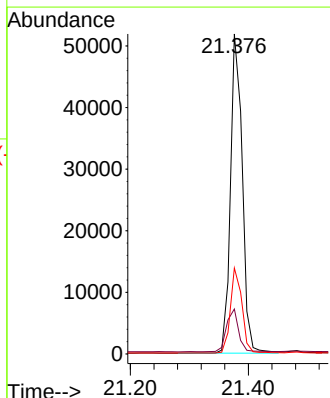
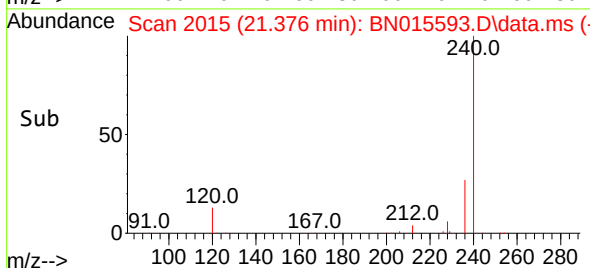
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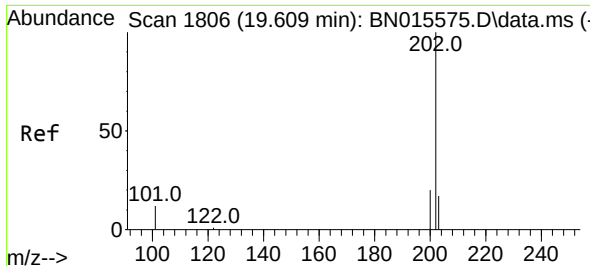


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.376 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BN015593.D
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Tgt Ion:240 Resp: 71544
Ion Ratio Lower Upper
240 100
120 14.1 4.2 6.4#
236 26.8 21.4 32.2





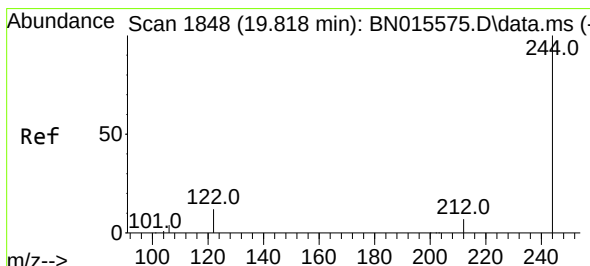
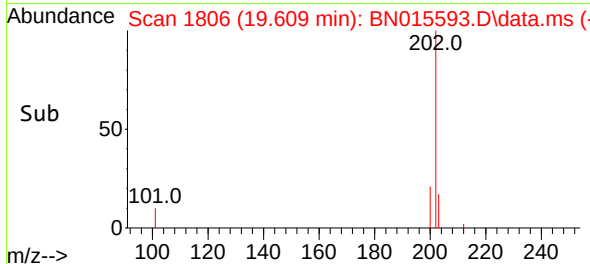
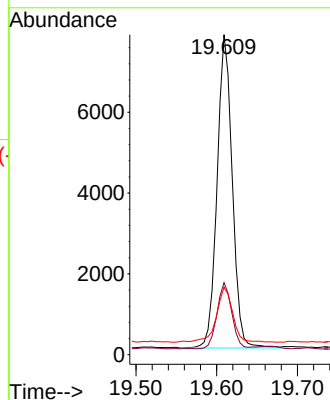
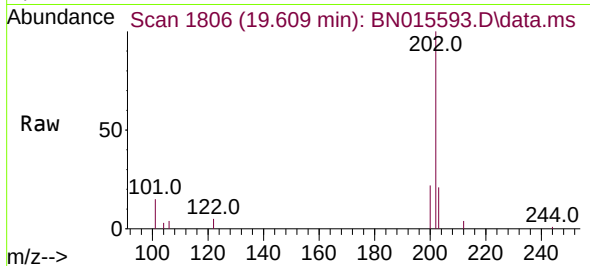
#30
Pyrene
Concen: 0.04 ng
RT: 19.609 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BN015593.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.9	25.3
203	18.8	13.9	20.9

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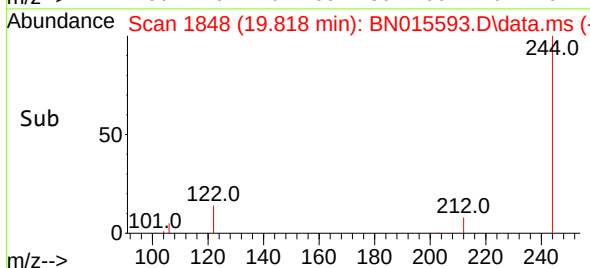
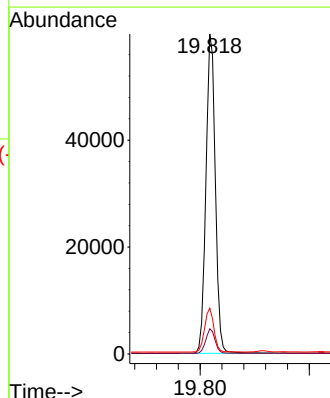
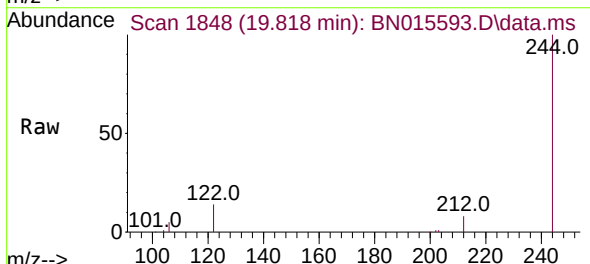
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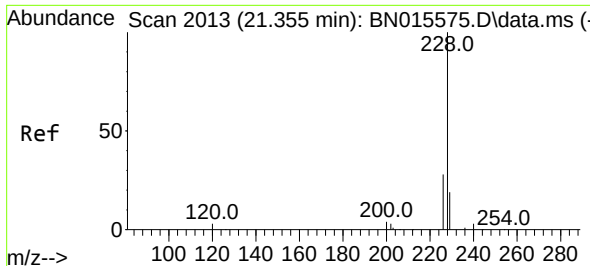
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#31
Terphenyl-d14
Concen: 0.42 ng
RT: 19.818 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	14.3	6.2	9.2#





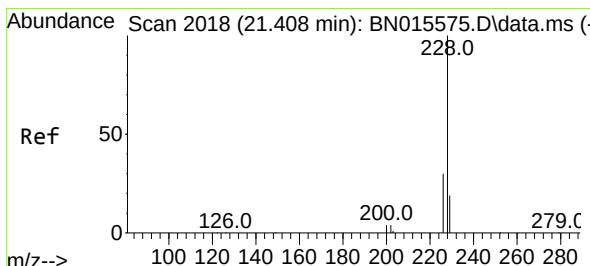
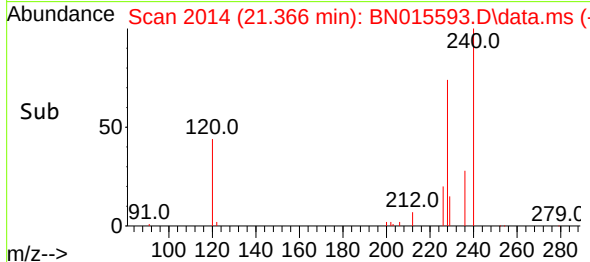
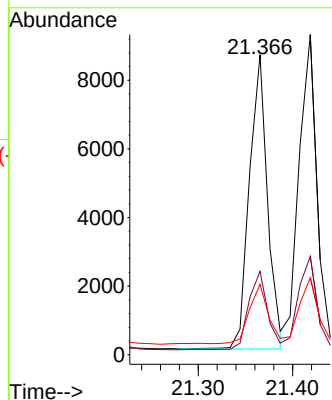
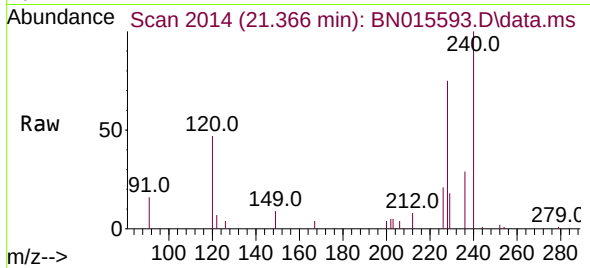
#32
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.366 min Scan# 2014
Delta R.T. 0.011 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:228 Resp: 11447
Ion Ratio Lower Upper
228 100
226 27.8 23.0 34.6
229 23.5 15.7 23.5

Instrument :
BNA_N
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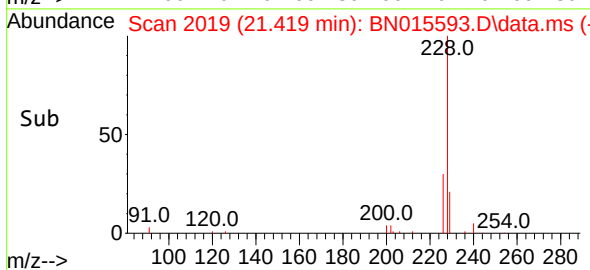
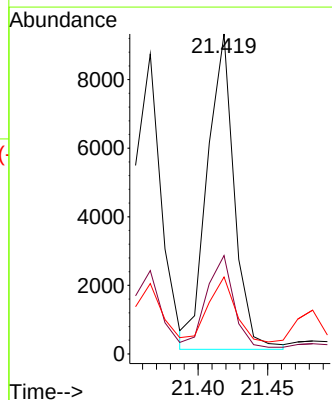
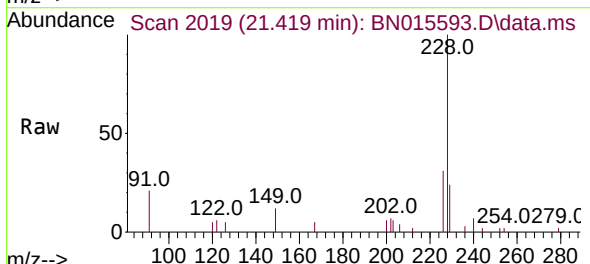
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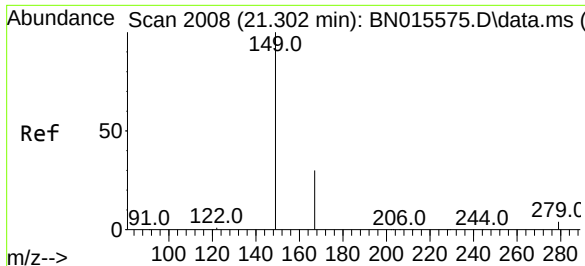
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#33
Chrysene
Concen: 0.05 ng m
RT: 21.419 min Scan# 2019
Delta R.T. 0.011 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:228 Resp: 12415
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 24.0 15.9 23.9#





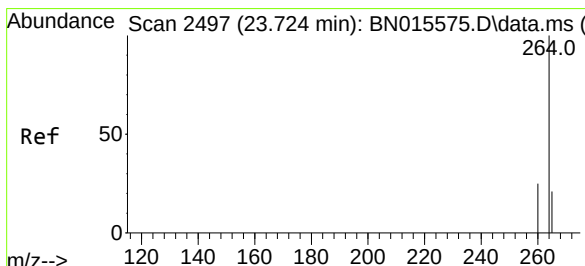
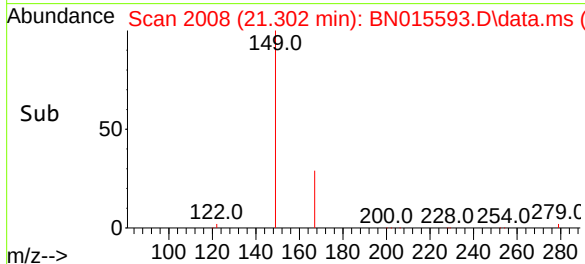
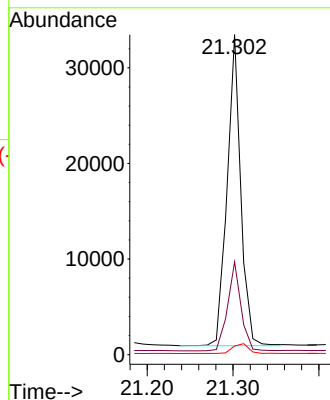
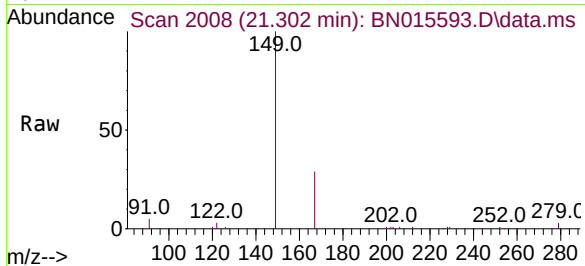
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng
RT: 21.302 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:149 Resp: 35825
Ion Ratio Lower Upper
149 100
167 28.2 28.9 43.3#
279 3.8 4.9 7.3#

Instrument :
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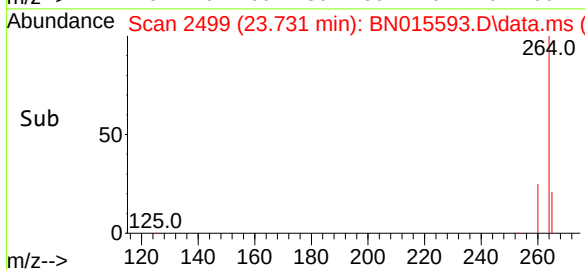
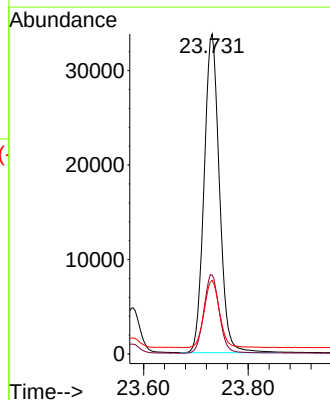
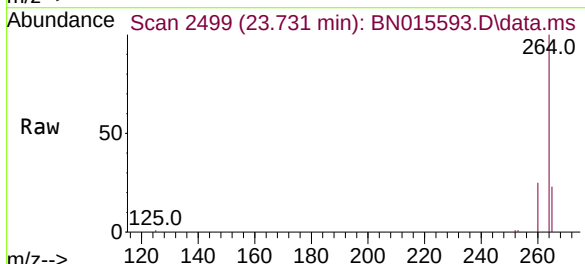
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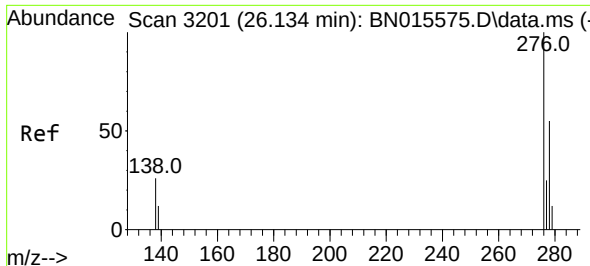
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#35
Perylene-d12
Concen: 0.40 ng
RT: 23.731 min Scan# 2499
Delta R.T. 0.007 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:264 Resp: 68611
Ion Ratio Lower Upper
264 100
260 24.7 20.6 31.0
265 23.0 21.4 32.2





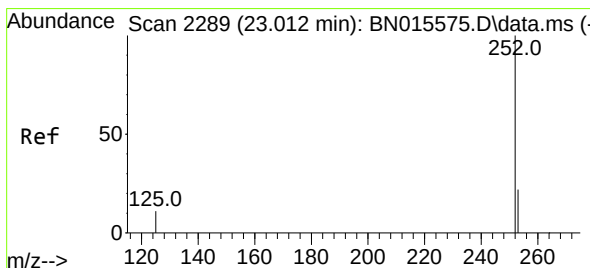
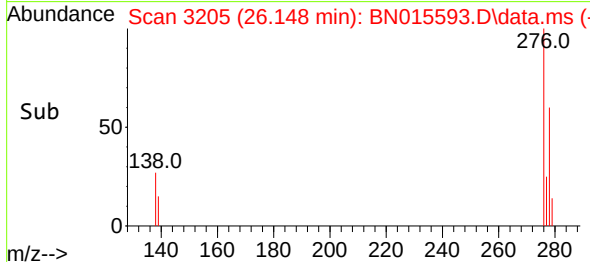
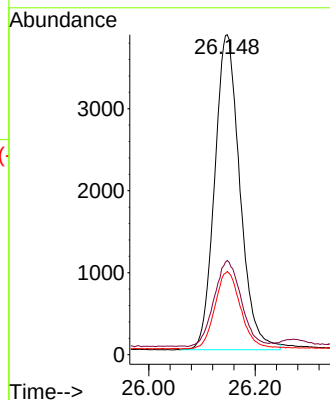
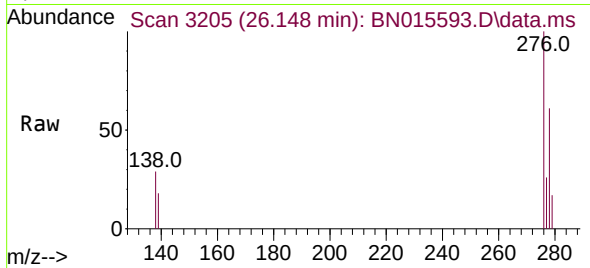
#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.148 min Scan# 3205
 Delta R.T. 0.014 min
 Lab File: BN015593.D
 Acq: 16 Jul 2021 12:13

Tgt Ion: 276 Resp: 12626
 Ion Ratio Lower Upper
 276 100
 138 29.4 10.0 15.0#
 277 25.1 20.4 30.6

Instrument :
 BNA_N
 ClientSampleId :
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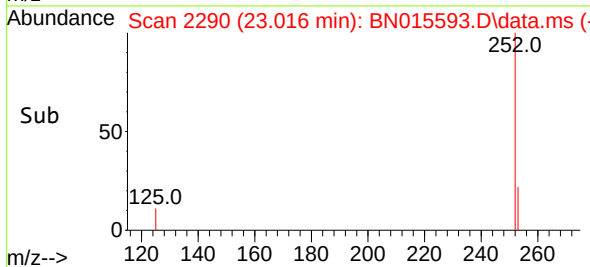
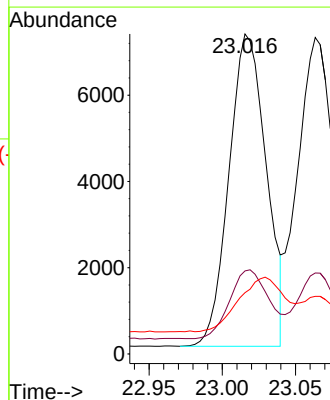
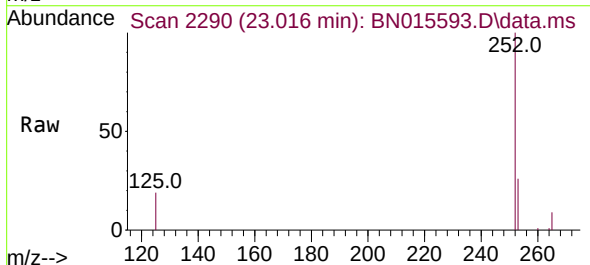
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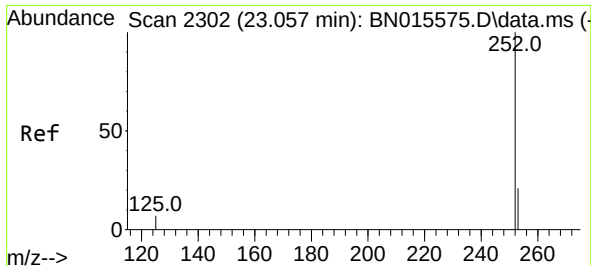
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#37
 Benzo(b)fluoranthene
 Concen: 0.05 ng
 RT: 23.016 min Scan# 2290
 Delta R.T. 0.003 min
 Lab File: BN015593.D
 Acq: 16 Jul 2021 12:13

Tgt Ion: 252 Resp: 12836
 Ion Ratio Lower Upper
 252 100
 253 25.9 18.5 27.7
 125 19.1 5.8 8.6#





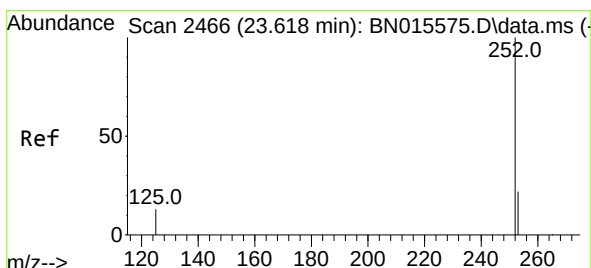
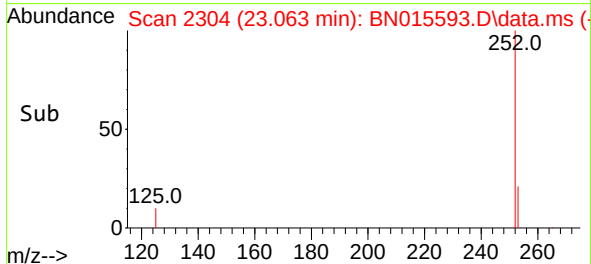
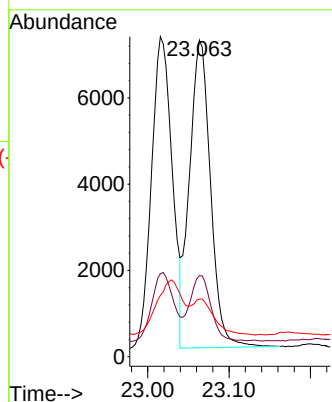
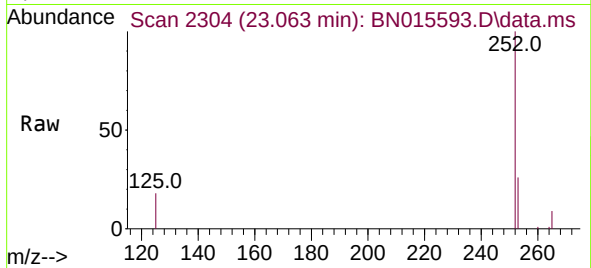
#38
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 23.063 min Scan# 2304
Delta R.T. 0.007 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:252 Resp: 12807
Ion Ratio Lower Upper
252 100
253 25.6 19.1 28.7
125 18.2 5.4 8.0#

Instrument :
BNA_N
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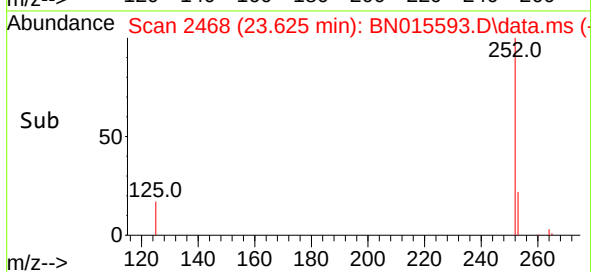
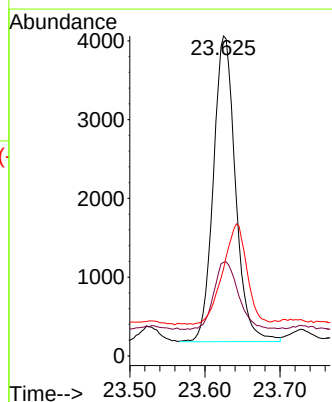
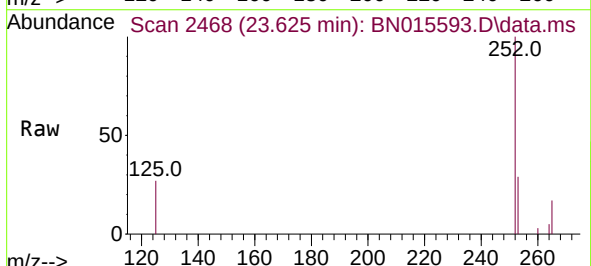
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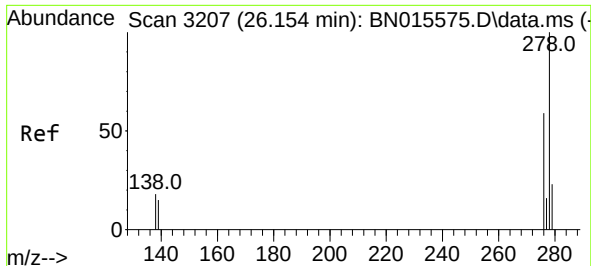
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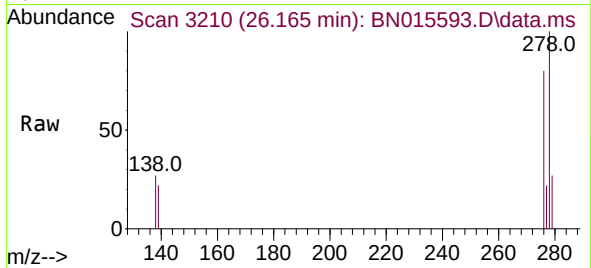
#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.625 min Scan# 2468
Delta R.T. 0.007 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13

Tgt Ion:252 Resp: 7934
Ion Ratio Lower Upper
252 100
253 29.3 19.4 29.2#
125 27.3 7.4 11.2#

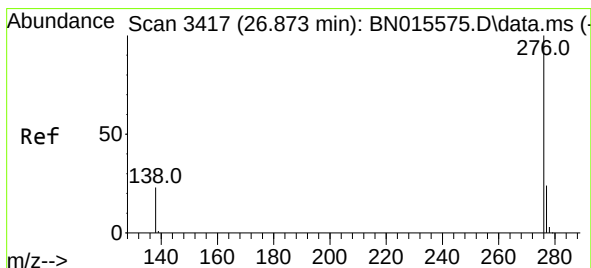
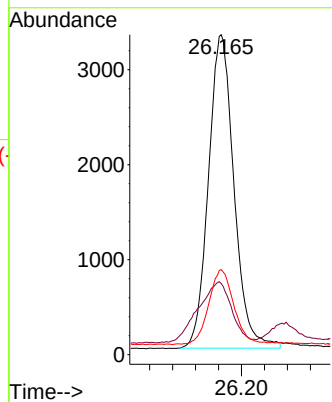
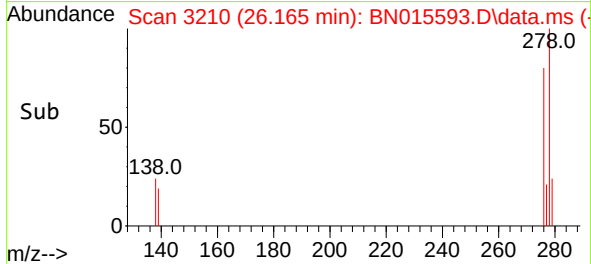




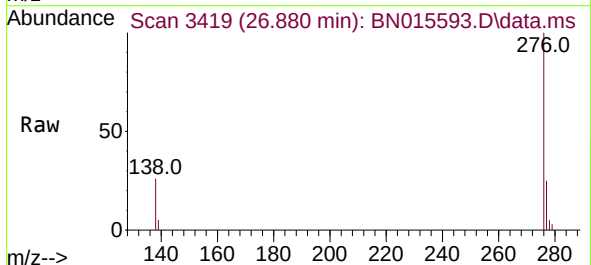
#40
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 26.165 min Scan# 3210
Delta R.T. 0.010 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13



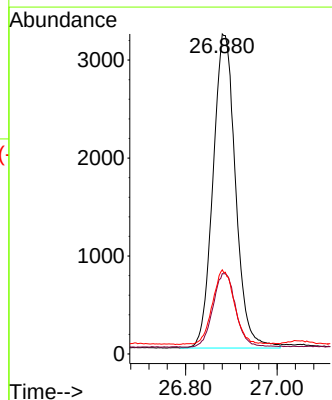
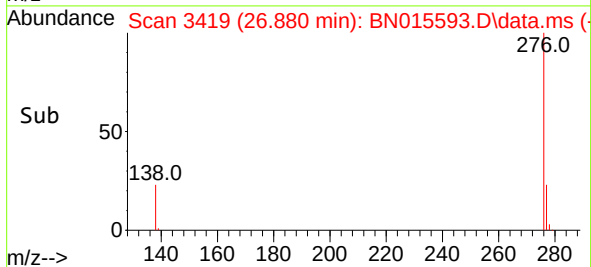
Tgt Ion:278 Resp: 10181
Ion Ratio Lower Upper
278 100
139 22.3 9.0 13.4#
279 26.6 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 26.880 min Scan# 3419
Delta R.T. 0.007 min
Lab File: BN015593.D
Acq: 16 Jul 2021 12:13



Tgt Ion:276 Resp: 10934
Ion Ratio Lower Upper
276 100
277 25.1 19.7 29.5
138 26.3 9.8 14.6#



Instrument :
BNA_N
ClientSampleId :
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