

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN033121\
 Data File : BN014144.D
 Acq On : 31 Mar 2021 15:51
 Operator : CG/JU
 Sample : M1842-23MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW181S-20210323MSD

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Quant Time: Mar 31 16:27:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 31 12:15:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	6582	0.40	ng	0.00
7) Naphthalene-d8	10.467	136	24460	0.40	ng	0.00
13) Acenaphthene-d10	14.321	164	12851	0.40	ng	0.00
19) Phenanthrene-d10	17.067	188	24834	0.40	ng	0.00
29) Chrysene-d12	21.250	240	23570	0.40	ng	# 0.00
36) Perylene-d12	23.465	264	23209	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	2602	0.15	ng	0.00
5) Phenol-d6	6.855	99	2206	0.10	ng	0.00
8) Nitrobenzene-d5	8.832	82	5441	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.057	152	12764	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.805	330	1600	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.938	172	17415	0.36	ng	0.00
27) Fluoranthene-d10	19.099	212	30011	0.46	ng	0.00
31) Terphenyl-d14	19.700	244	29209	0.54	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.231	88	5327	0.63	ng	# 83
3) n-Nitrosodimethylamine	3.561	42	719	0.11	ng	85
6) bis(2-Chloroethyl)ether	7.120	93	5835	0.34	ng	99
9) Naphthalene	10.518	128	19311	0.32	ng	99
10) Hexachlorobutadiene	10.809	225	2901	0.26	ng	# 99
12) 2-Methylnaphthalene	12.133	142	12427	0.31	ng	98
16) Acenaphthylene	14.042	152	15234	0.31	ng	99
17) Acenaphthene	14.384	154	11391	0.32	ng	99
18) Fluorene	15.374	166	14000	0.33	ng	99
20) 4,6-Dinitro-2-methylph...	15.450	198	757	0.25	ng	# 86
21) 4-Bromophenyl-phenylether	16.264	248	4497	0.35	ng	93
22) Hexachlorobenzene	16.374	284	4609	0.32	ng	100
23) Atrazine	16.532	200	2856	0.33	ng	96
24) Pentachlorophenol	16.715	266	1267	0.29	ng	97
25) Phenanthrene	17.104	178	27839	0.42	ng	100
26) Anthracene	17.189	178	20974	0.37	ng	100
28) Fluoranthene	19.124	202	32733	0.47	ng	100
30) Pyrene	19.491	202	33337	0.43	ng	100
32) Benzo(a)anthracene	21.229	228	30192	0.46	ng	98
33) Chrysene	21.282	228	31900	0.44	ng	99
34) Bis(2-ethylhexyl)phtha...	21.165	149	9329	0.47	ng	100
35) Indeno(1,2,3-cd)pyrene	25.687	276	39219	0.52	ng	99
37) Benzo(b)fluoranthene	22.798	252	35532m	0.43	ng	
38) Benzo(k)fluoranthene	22.842	252	32702	0.41	ng	99
39) Benzo(a)pyrene	23.366	252	28467	0.41	ng	# 91
40) Dibenzo(a,h)anthracene	25.704	278	32428	0.45	ng	98
41) Benzo(g,h,i)perylene	26.368	276	33839	0.44	ng	99

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

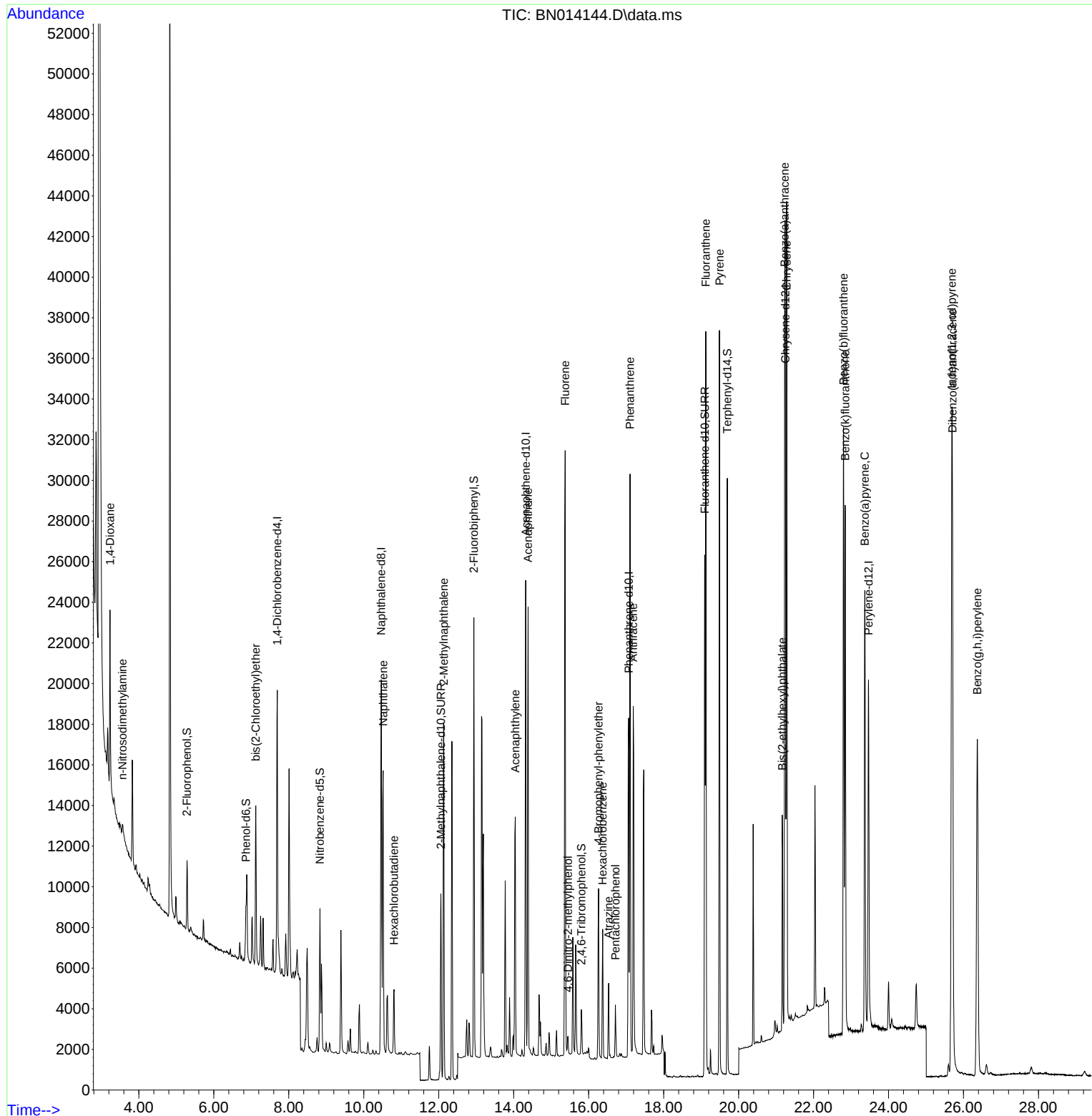
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 Data File : BN014144.D
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 ALS Vial : 7 Sample Multiplier: 1

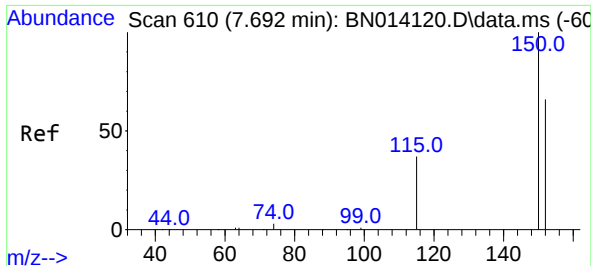
Instrument :
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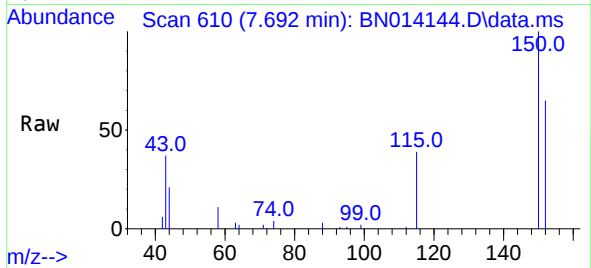
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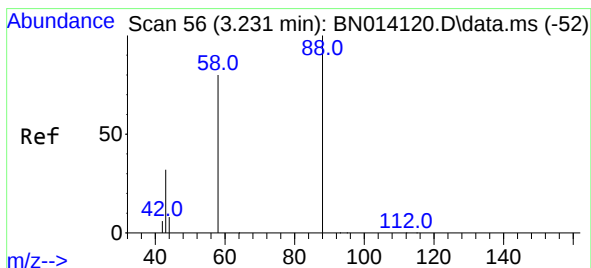
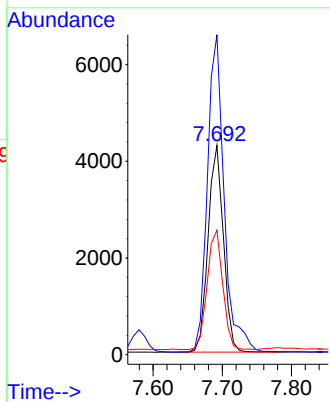
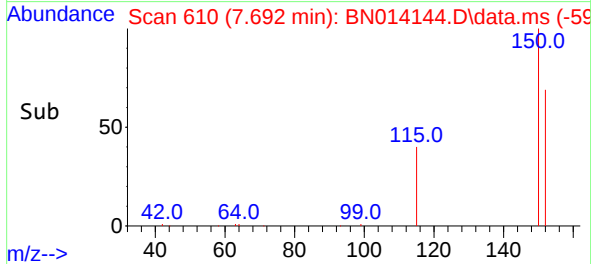




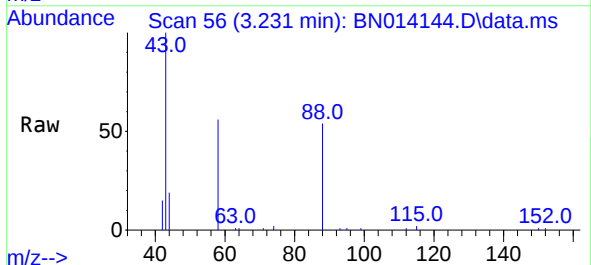
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. 0.008 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



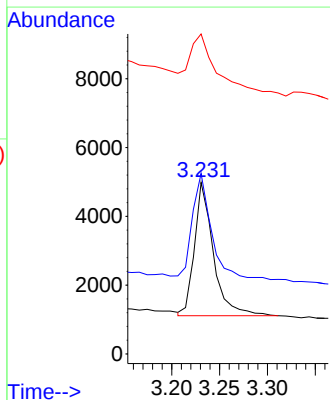
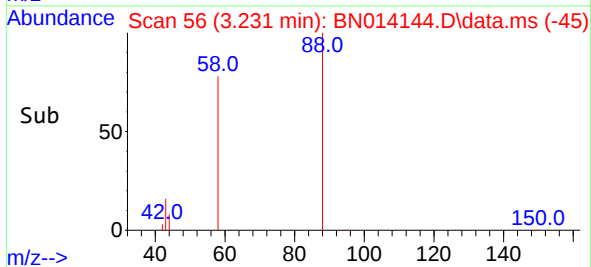
Tgt Ion:152 Resp: 6582
Ion Ratio Lower Upper
152 100
150 152.9 121.2 181.8
115 59.5 46.2 69.2



#2
1,4-Dioxane
Concen: 0.63 ng
RT: 3.231 min Scan# 56
Delta R.T. -0.008 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



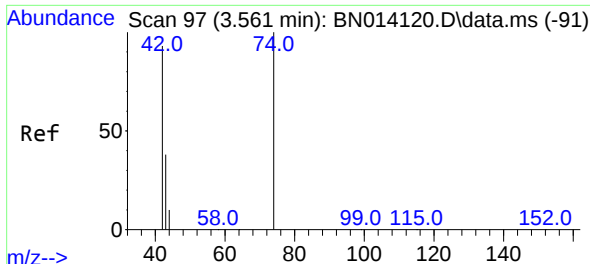
Tgt Ion: 88 Resp: 5327
Ion Ratio Lower Upper
88 100
58 81.5 63.1 94.7
43 62.2 26.2 39.2#



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#3
n-Nitrosodimethylamine
Concen: 0.11 ng
RT: 3.561 min Scan# 97
Delta R.T. -0.008 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

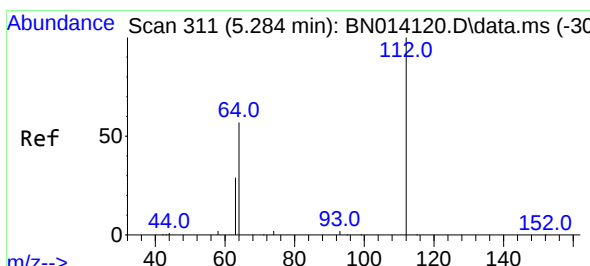
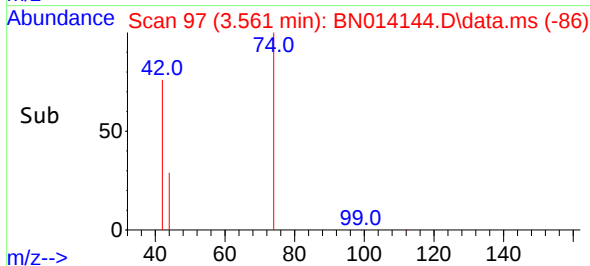
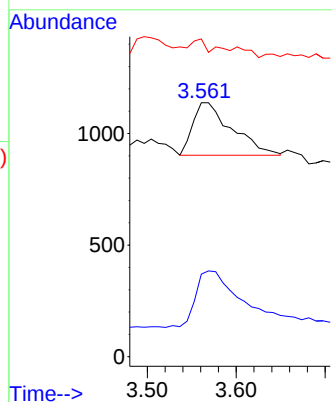
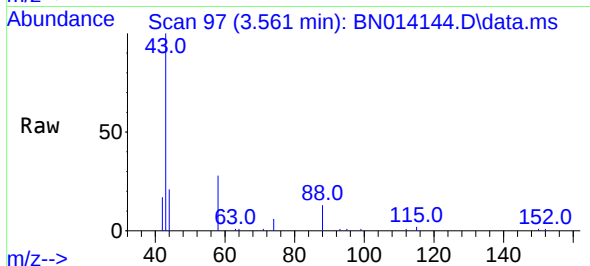
Tgt Ion: 42 Resp: 719

Ion	Ratio	Lower	Upper
42	100		
74	135.5	94.6	141.8
44	4.2	4.2	6.2

Instrument :
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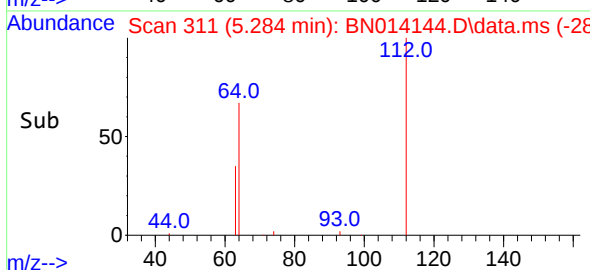
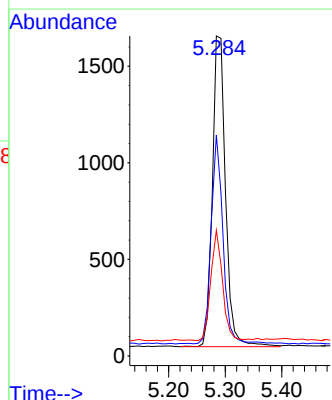
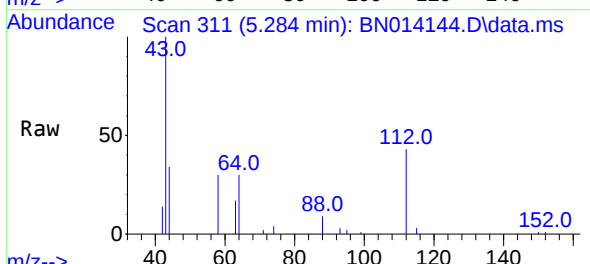
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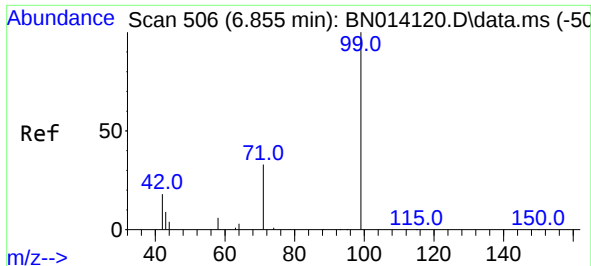


#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.284 min Scan# 311
Delta R.T. -0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion: 112 Resp: 2602

Ion	Ratio	Lower	Upper
112	100		
64	61.0	48.3	72.5
63	31.2	25.4	38.0





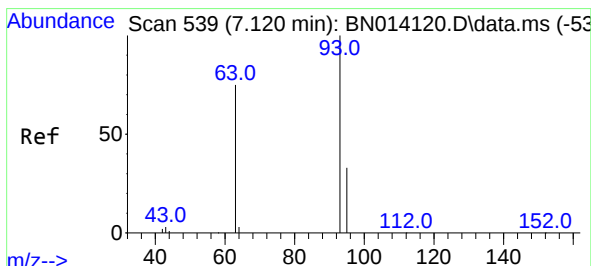
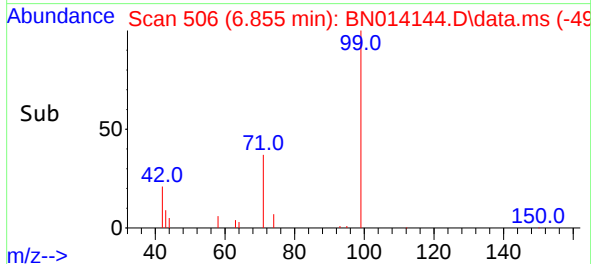
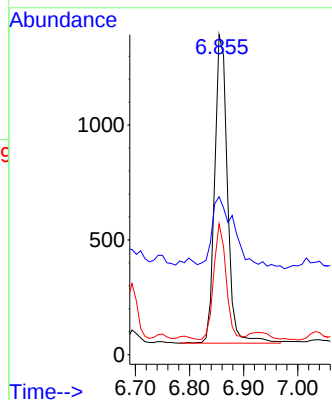
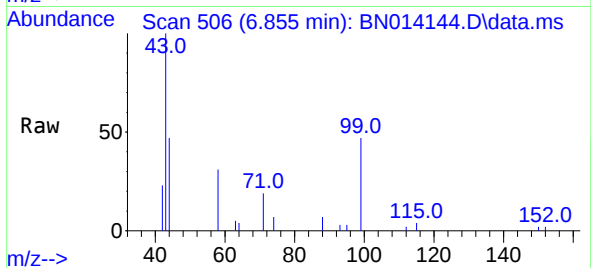
#5
Phenol-d6
Concen: 0.10 ng
RT: 6.855 min Scan# 506
Delta R.T. -0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion: 99 Resp: 2206
Ion Ratio Lower Upper
99 100
42 42.5 18.2 27.4#
71 36.6 26.7 40.1

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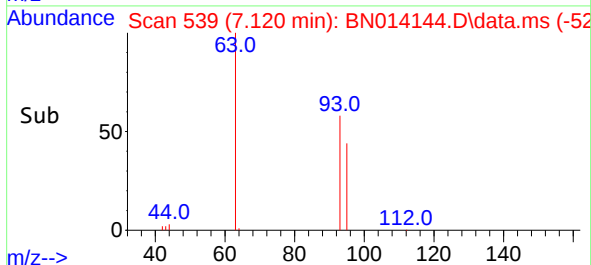
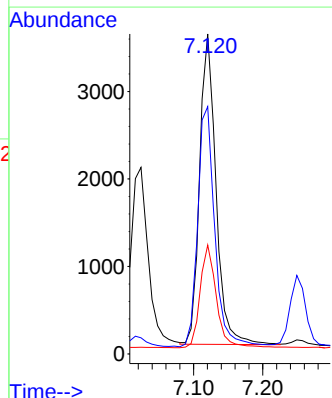
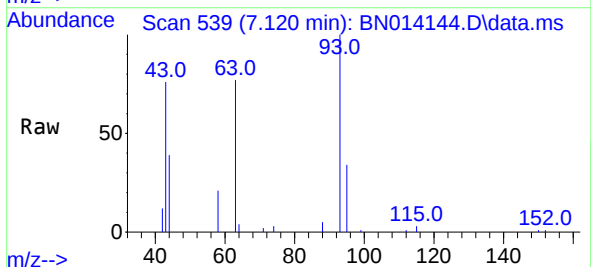
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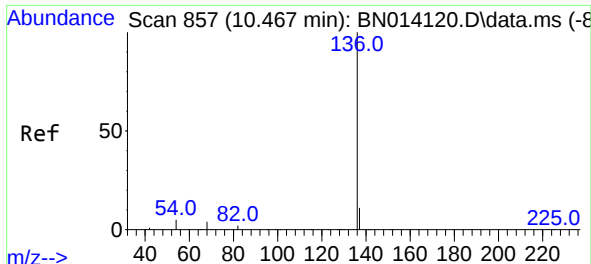
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#6
bis(2-Chloroethyl)ether
Concen: 0.34 ng
RT: 7.120 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

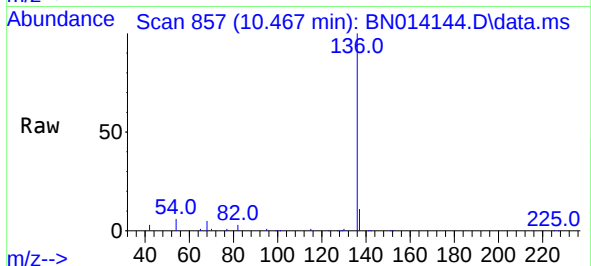
Tgt Ion: 93 Resp: 5835
Ion Ratio Lower Upper
93 100
63 80.7 65.1 97.7
95 32.9 26.6 39.8





#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. -0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

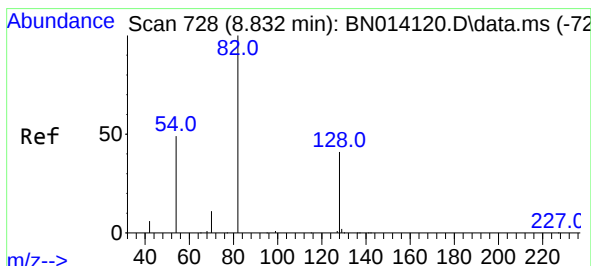
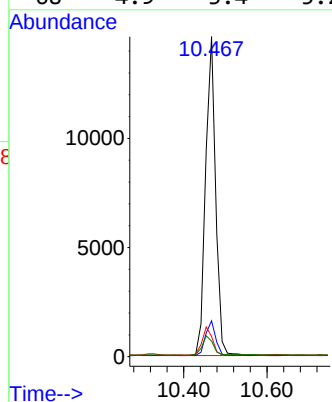
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ClientSampleId :
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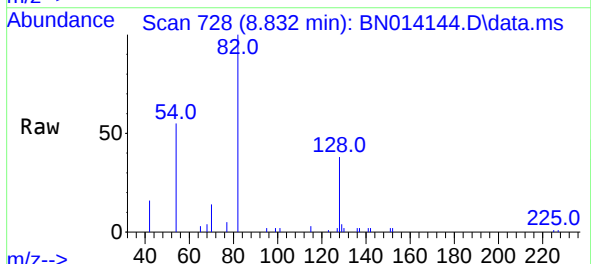
Tgt Ion:	136	Resp:	24460
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.3	4.3	6.5
68	4.9	3.4	5.2

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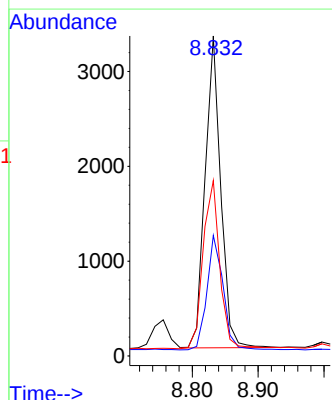
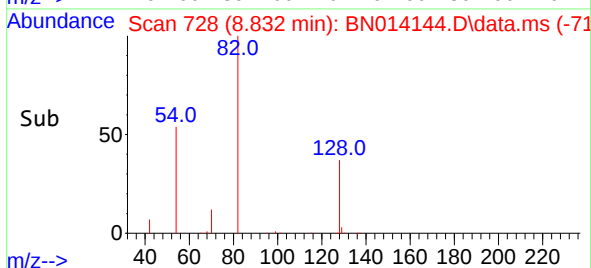
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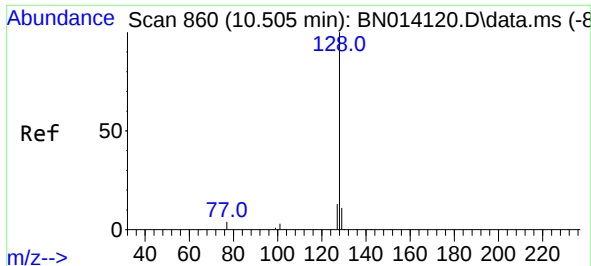


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.832 min Scan# 728
Delta R.T. -0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



Tgt Ion:	82	Resp:	5441
Ion	Ratio	Lower	Upper
82	100		
128	37.7	33.5	50.3
54	54.8	40.3	60.5





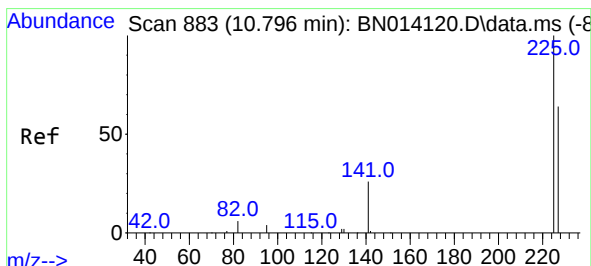
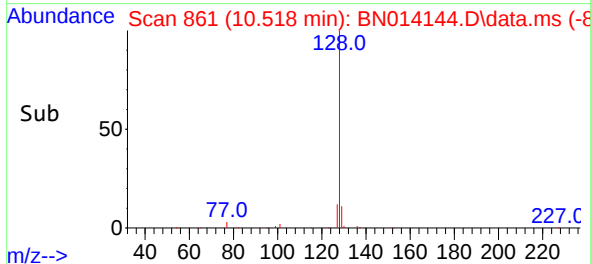
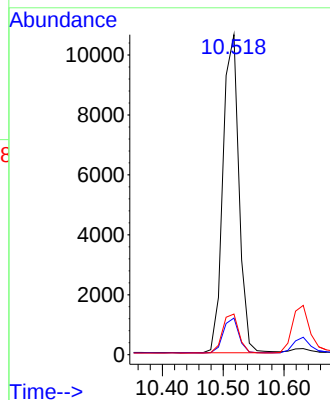
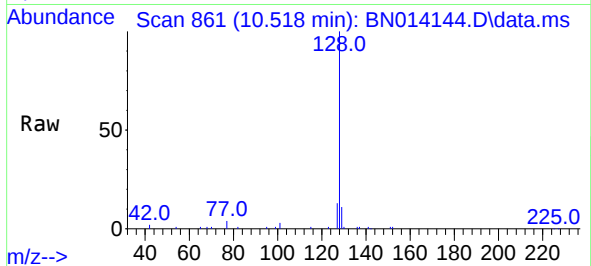
#9
Naphthalene
Concen: 0.32 ng
RT: 10.518 min Scan# 861
Delta R.T. 0.012 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:	128	Resp:	19311
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.2	13.8
127	12.7	10.8	16.2

Instrument :
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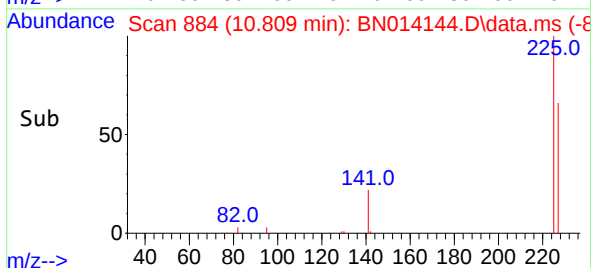
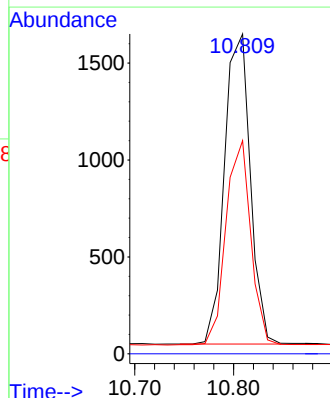
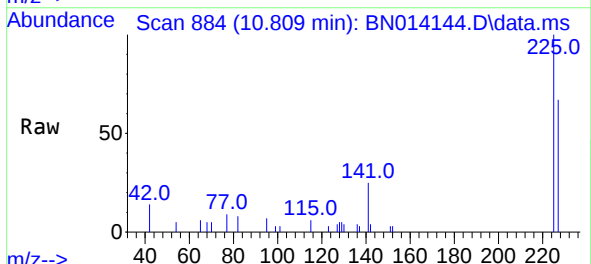
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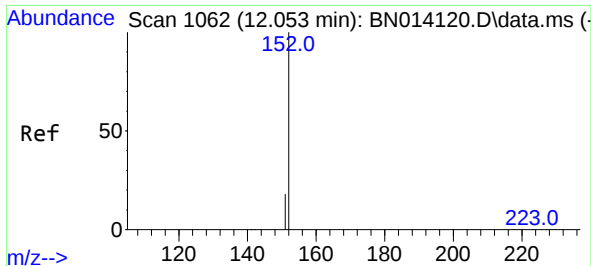
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#10
Hexachlorobutadiene
Concen: 0.26 ng
RT: 10.809 min Scan# 884
Delta R.T. 0.012 min
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Tgt Ion:	225	Resp:	2901
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.5	51.6	77.4





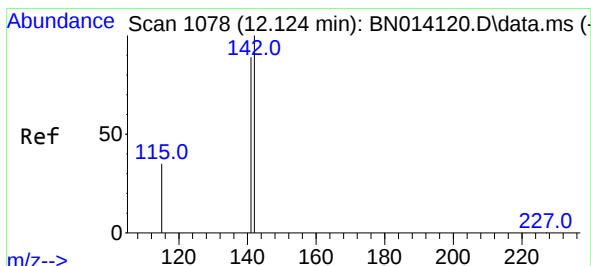
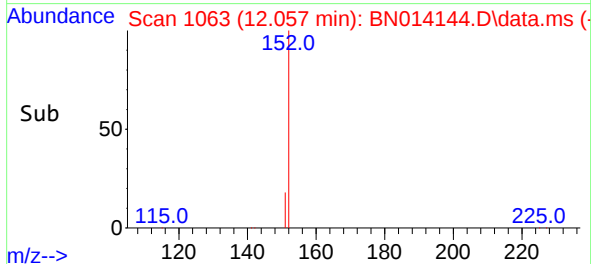
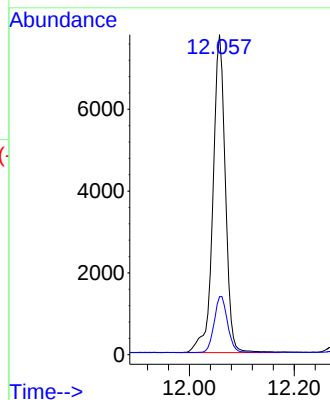
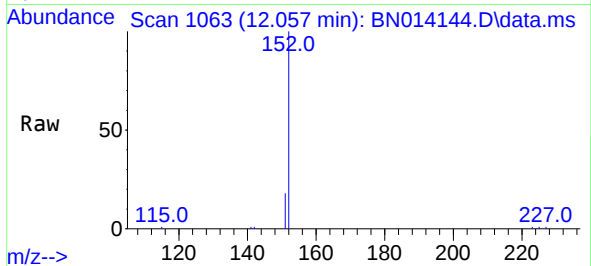
#11
2-Methylnaphthalene-d10
Concen: 0.34 ng
RT: 12.057 min Scan# 1063
Delta R.T. 0.004 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:152 Resp: 12764
Ion Ratio Lower Upper
152 100
151 18.8 16.1 24.1

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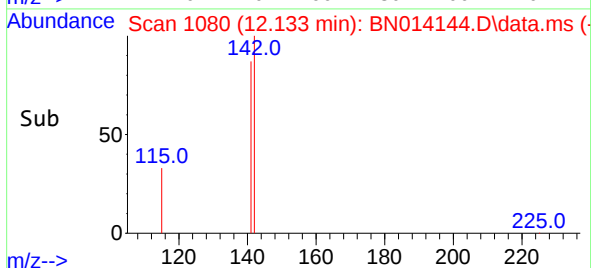
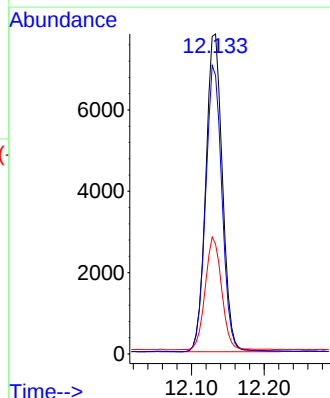
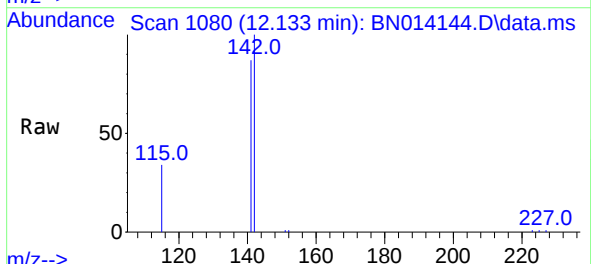
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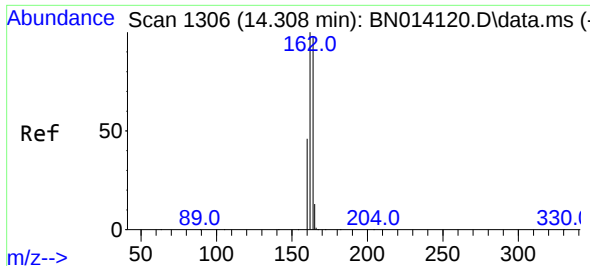
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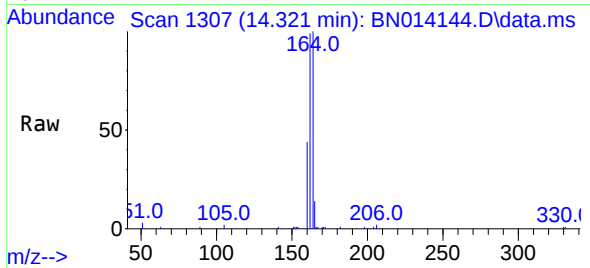
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2-Methylnaphthalene
Concen: 0.31 ng
RT: 12.133 min Scan# 1080
Delta R.T. 0.004 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:142 Resp: 12427
Ion Ratio Lower Upper
142 100
141 87.1 71.1 106.7
115 34.3 29.0 43.6

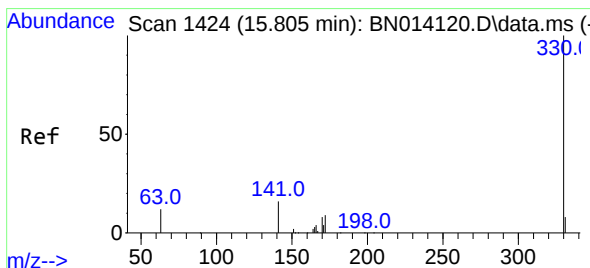
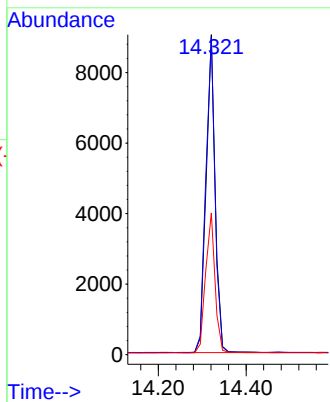
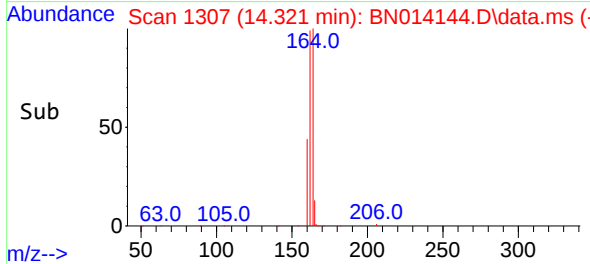




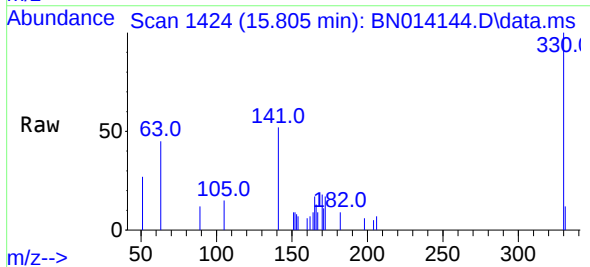
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



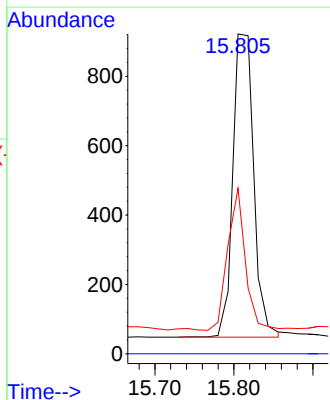
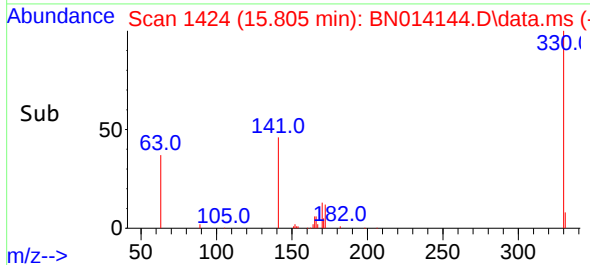
Tgt Ion:164 Resp: 12851
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.2
160 44.3 37.5 56.3



#14
2,4,6-Tribromophenol
Concen: 0.39 ng
RT: 15.805 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BN014144.D
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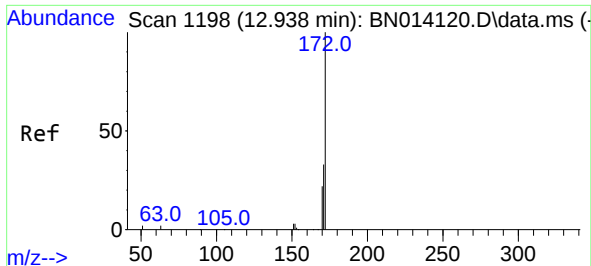
Tgt Ion:330 Resp: 1600
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.4 31.2 46.8



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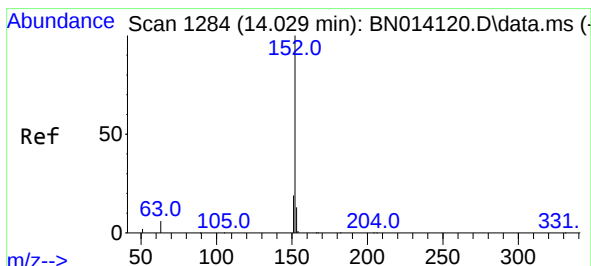
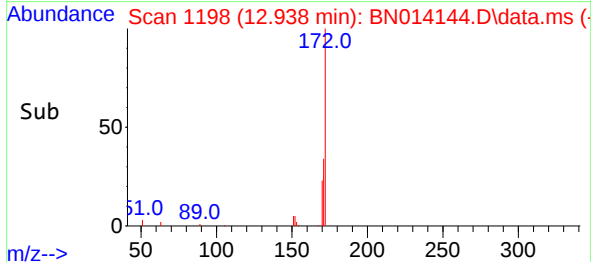
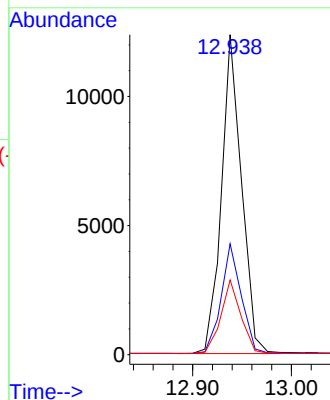
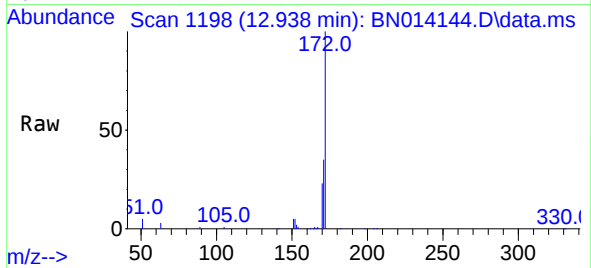
#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 12.938 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN014144.D
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Tgt Ion:	172	Resp:	17415
Ion Ratio	Lower	Upper	
172	100		
171	34.7	26.9	40.3
170	23.4	17.8	26.8

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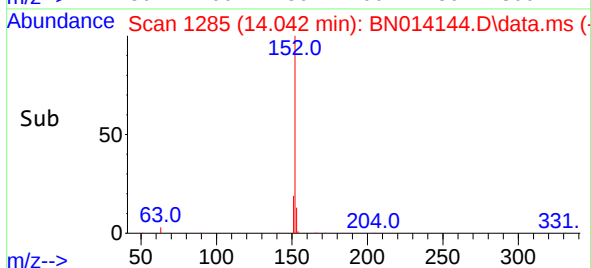
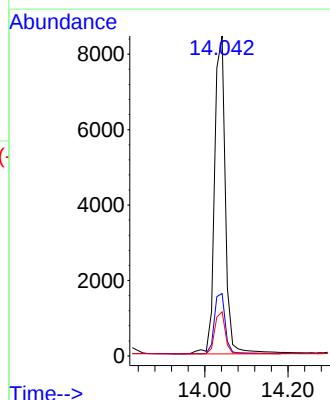
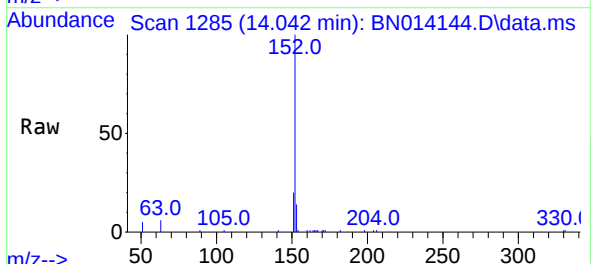
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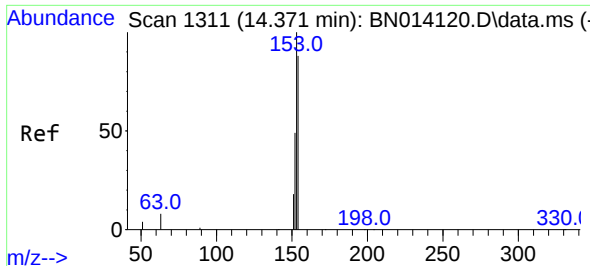
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#16
Acenaphthylene
Concen: 0.31 ng
RT: 14.042 min Scan# 1285
Delta R.T. 0.013 min
Lab File: BN014144.D
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Tgt Ion:	152	Resp:	15234
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.4	23.2
153	13.1	10.3	15.5





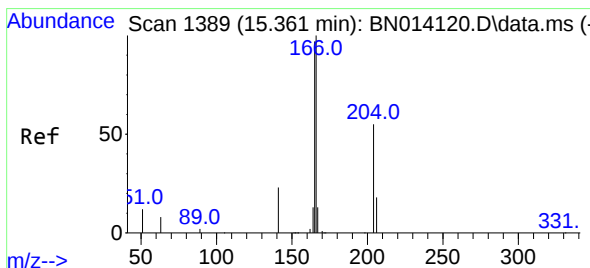
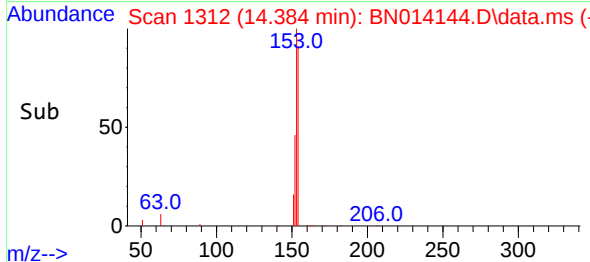
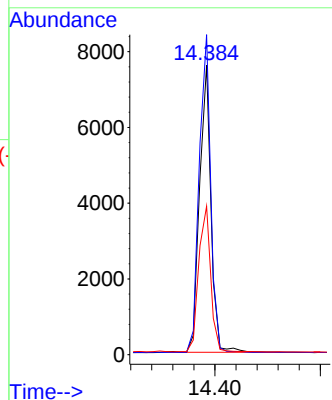
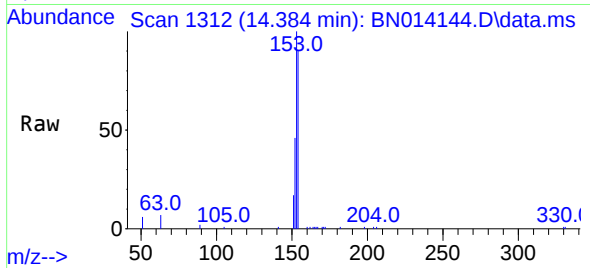
#17
Acenaphthene
Concen: 0.32 ng
RT: 14.384 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BN014144.D
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Tgt Ion:	154	Resp:	11391
Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	53.5	43.1	64.7

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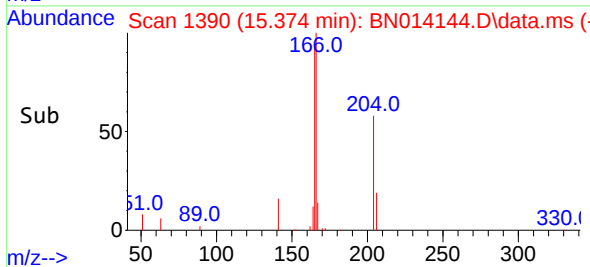
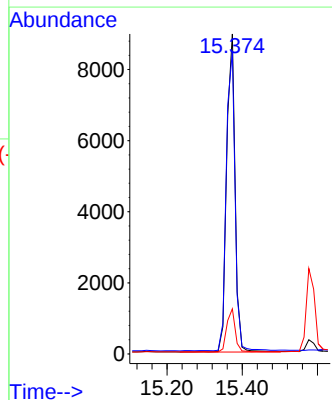
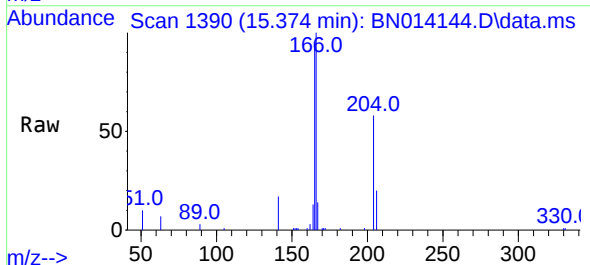
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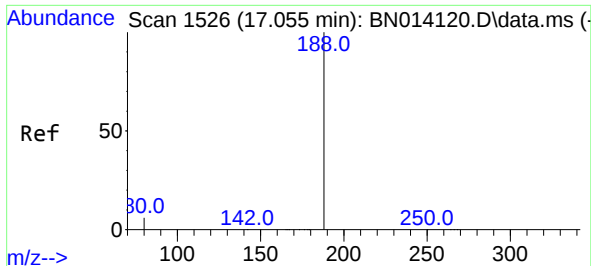
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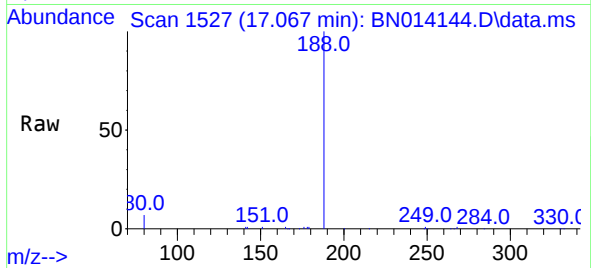
#18
Fluorene
Concen: 0.33 ng
RT: 15.374 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BN014144.D
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Tgt Ion:	166	Resp:	14000
Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.9	116.9
167	13.6	10.6	16.0

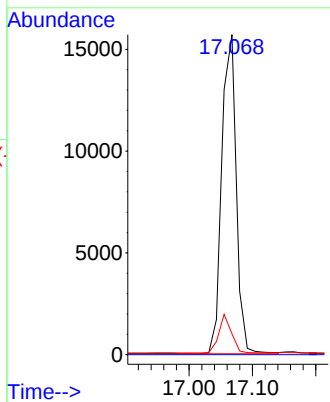
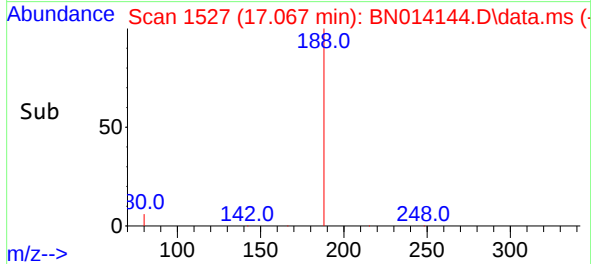




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.067 min Scan# 1527
Delta R.T. 0.000 min
Lab File: BN014144.D
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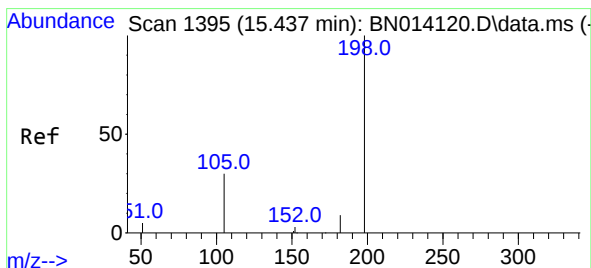
Tgt Ion:188 Resp: 24834
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.6 5.2 7.8



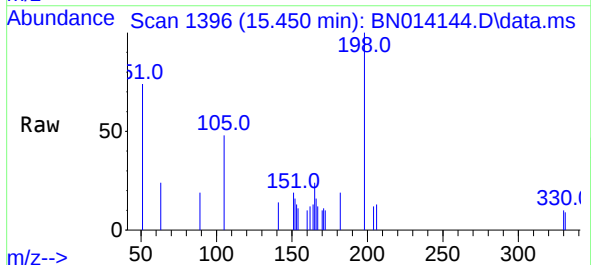
Instrument :
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ClientSampleId :
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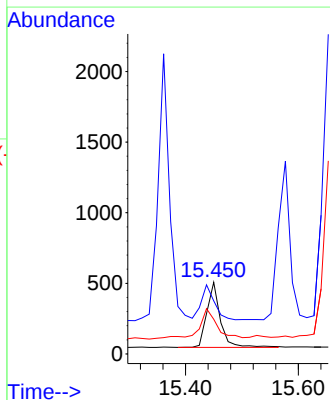
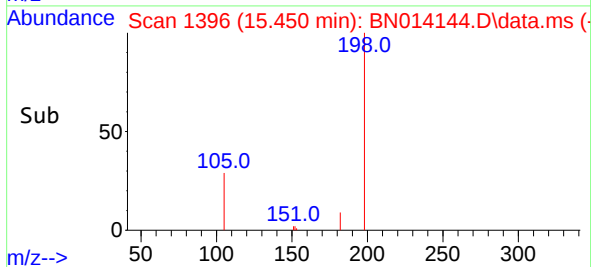
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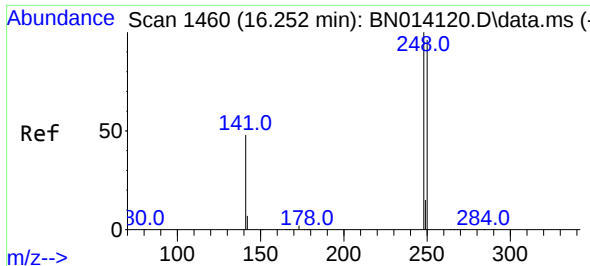


#20
4,6-Dinitro-2-methylphenol
Concen: 0.25 ng
RT: 15.450 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BN014144.D
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Tgt Ion:198 Resp: 757
Ion Ratio Lower Upper
198 100
51 74.0 47.8 71.6#
105 48.4 35.4 53.2





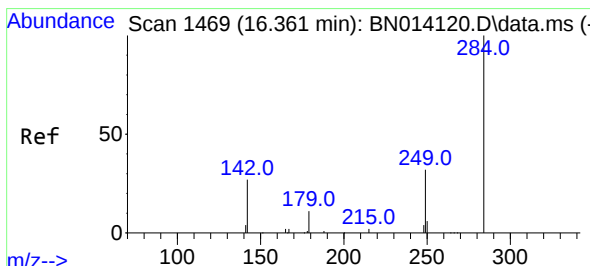
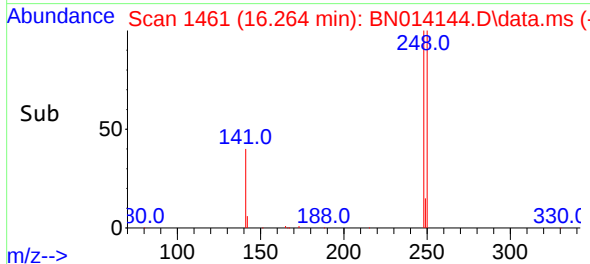
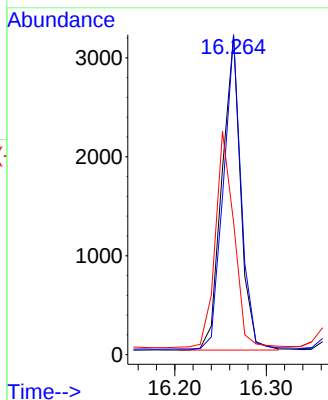
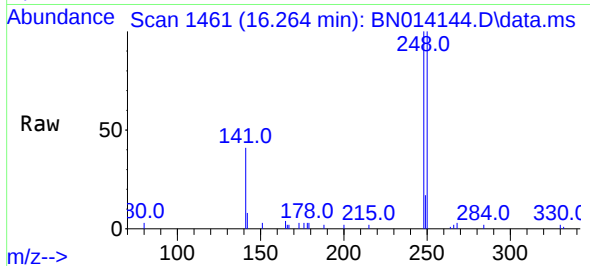
#21
4-Bromophenyl-phenylether
Concen: 0.35 ng
RT: 16.264 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BN014144.D
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Tgt Ion: 248 Resp: 4497
Ion Ratio Lower Upper
248 100
250 100.2 77.0 115.6
141 41.5 39.7 59.5

Instrument :
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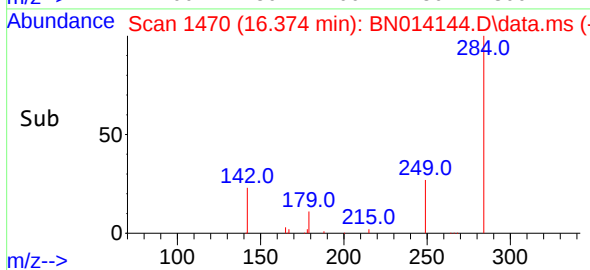
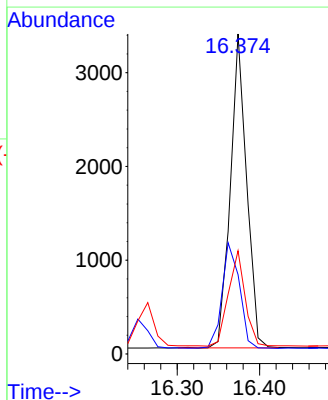
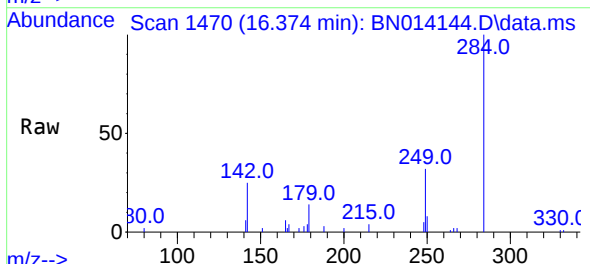
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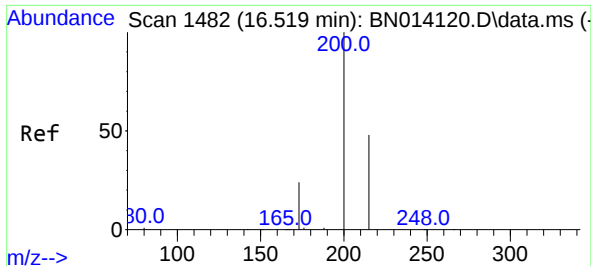
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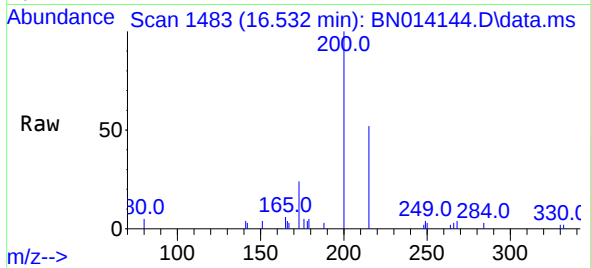
#22
Hexachlorobenzene
Concen: 0.32 ng
RT: 16.374 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN014144.D
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Tgt Ion: 284 Resp: 4609
Ion Ratio Lower Upper
284 100
142 36.0 29.2 43.8
249 30.9 24.7 37.1

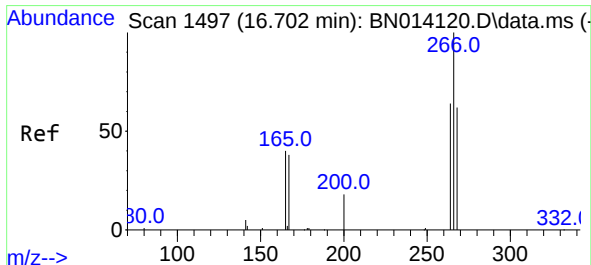
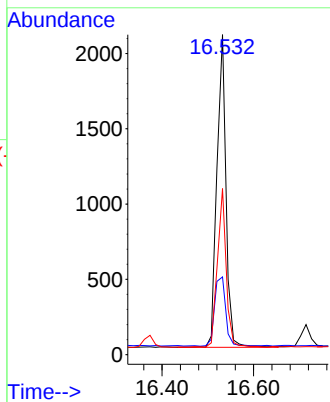
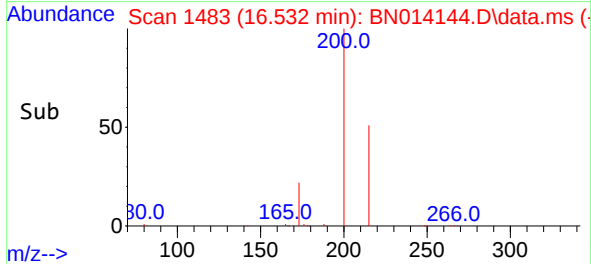




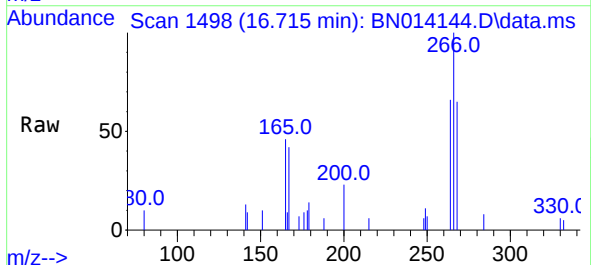
#23
Atrazine
Concen: 0.33 ng
RT: 16.532 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



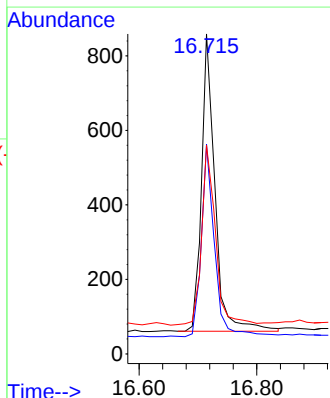
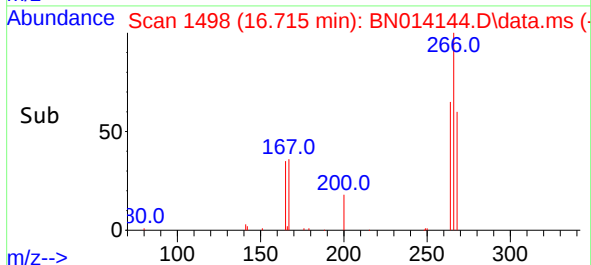
Tgt Ion:200 Resp: 2856
Ion Ratio Lower Upper
200 100
173 24.3 20.9 31.3
215 51.9 39.5 59.3



#24
Pentachlorophenol
Concen: 0.29 ng
RT: 16.715 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BN014144.D
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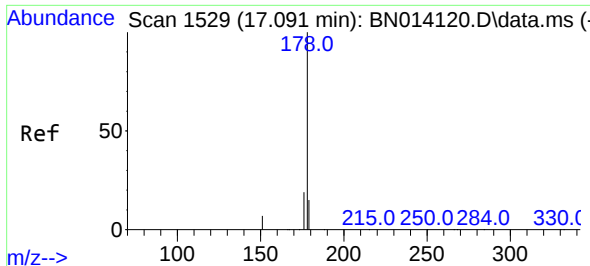
Tgt Ion:266 Resp: 1267
Ion Ratio Lower Upper
266 100
264 64.1 50.2 75.2
268 62.5 52.5 78.7



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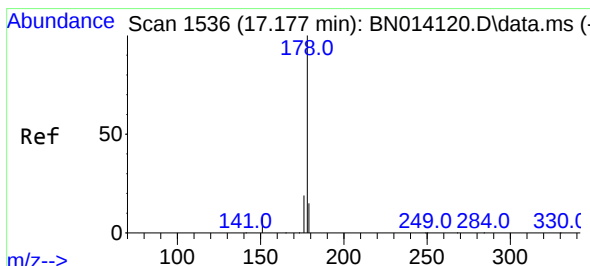
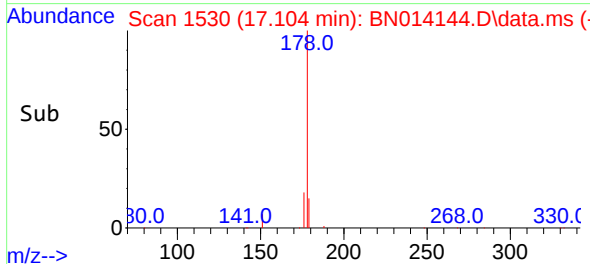
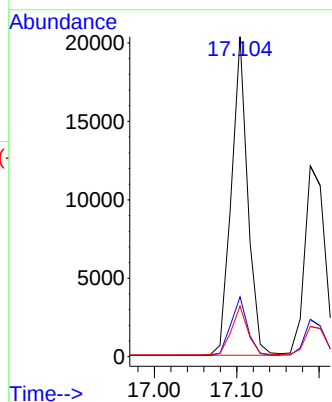
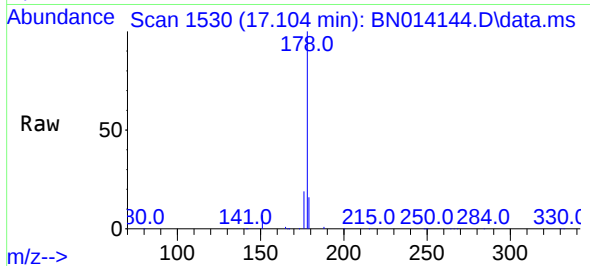
#25
Phenanthrene
Concen: 0.42 ng
RT: 17.104 min Scan# 1530
Delta R.T. 0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:	178	Resp:	27839
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.0	22.6
179	15.6	12.4	18.6

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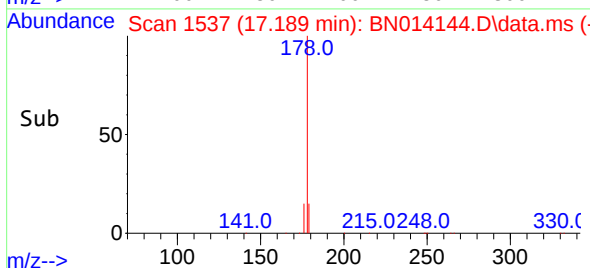
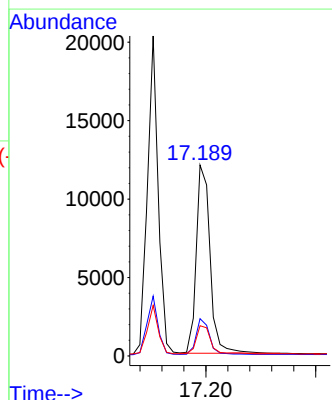
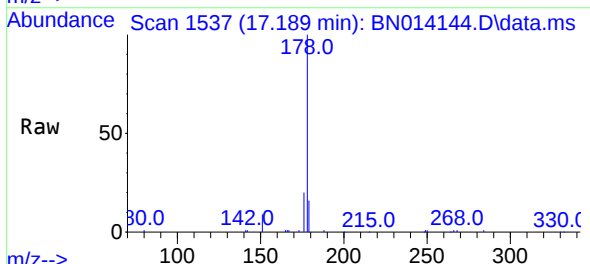
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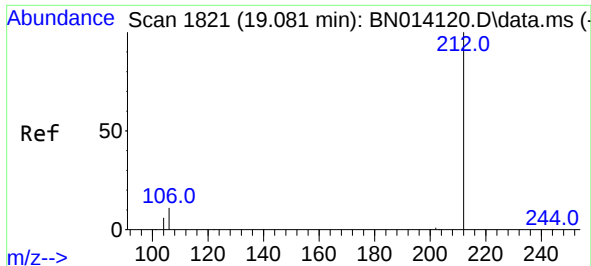
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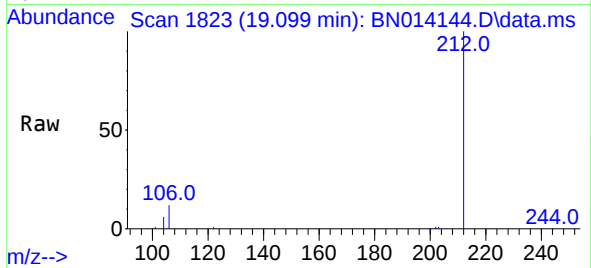
#26
Anthracene
Concen: 0.37 ng
RT: 17.189 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:	178	Resp:	20974
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.7	22.1
179	15.5	12.3	18.5

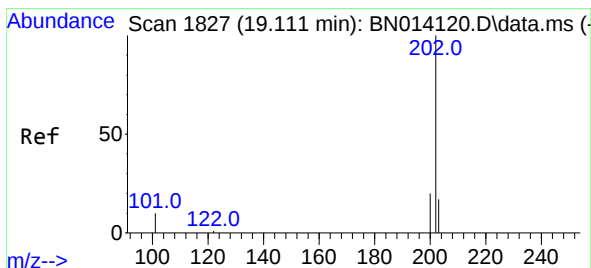
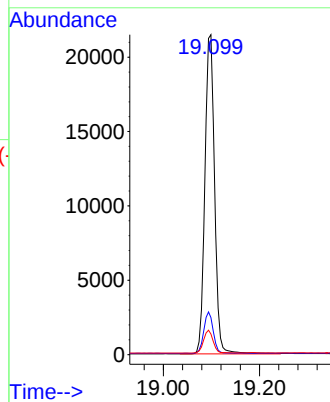
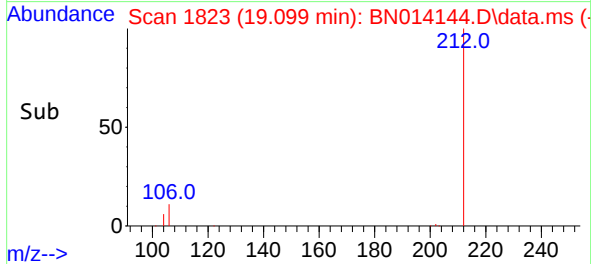




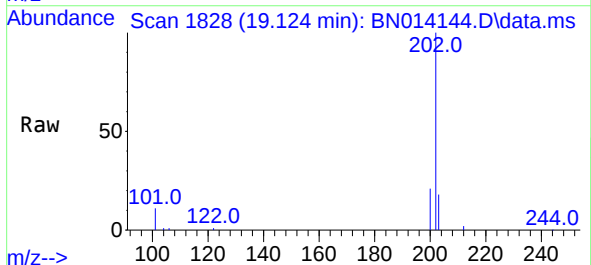
#27
Fluoranthene-d10
Concen: 0.46 ng
RT: 19.099 min Scan# 1823
Delta R.T. 0.003 min
Lab File: BN014144.D
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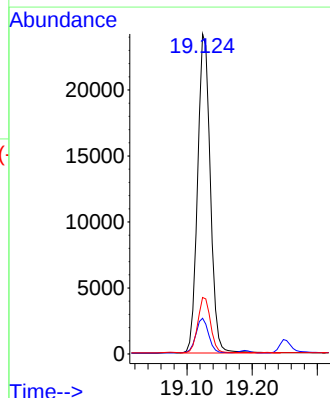
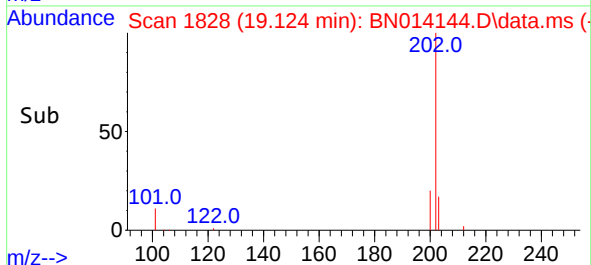
Tgt Ion:212 Resp: 30011
Ion Ratio Lower Upper
212 100
106 12.5 10.1 15.1
104 7.1 5.5 8.3



#28
Fluoranthene
Concen: 0.47 ng
RT: 19.124 min Scan# 1828
Delta R.T. -0.002 min
Lab File: BN014144.D
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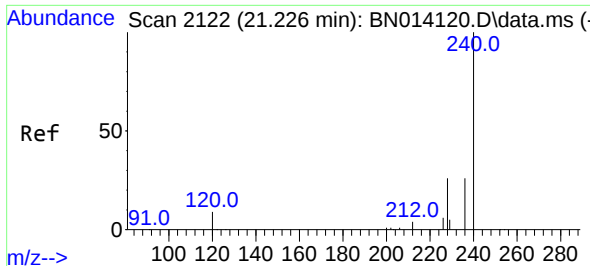
Tgt Ion:202 Resp: 32733
Ion Ratio Lower Upper
202 100
101 10.7 8.8 13.2
203 17.2 13.8 20.6



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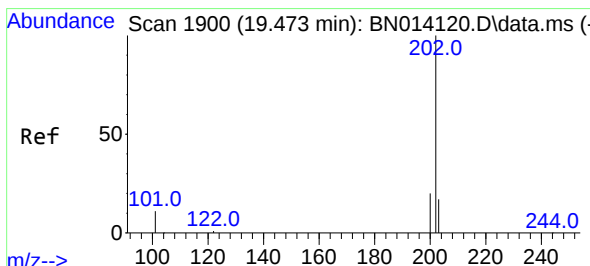
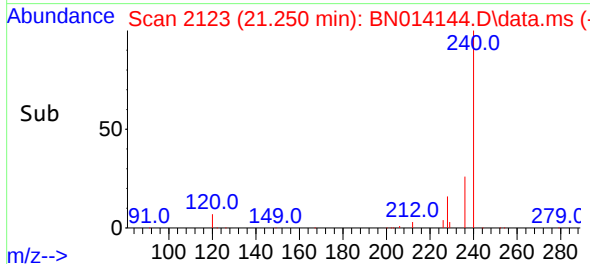
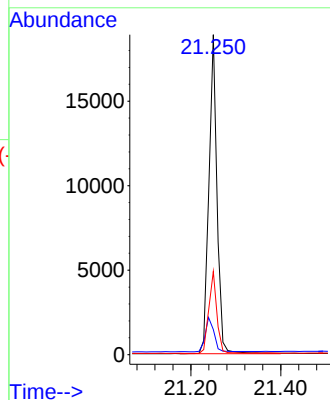
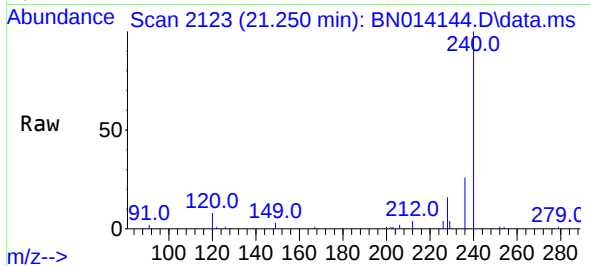
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.250 min Scan# 2123
Delta R.T. 0.003 min
Lab File: BN014144.D
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Tgt Ion:240 Resp: 23570
Ion Ratio Lower Upper
240 100
120 7.8 8.4 12.6#
236 26.0 21.0 31.6

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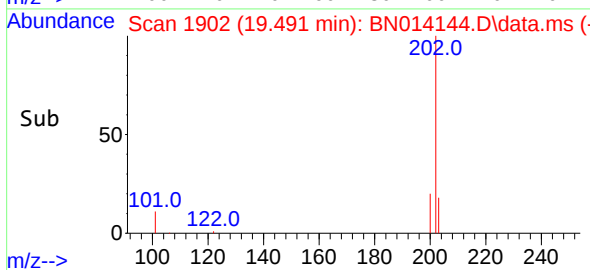
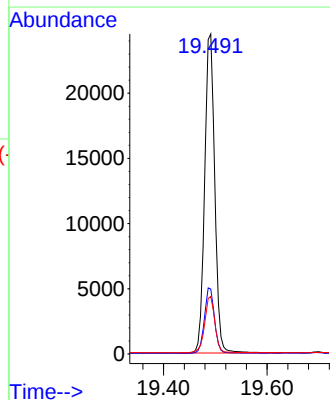
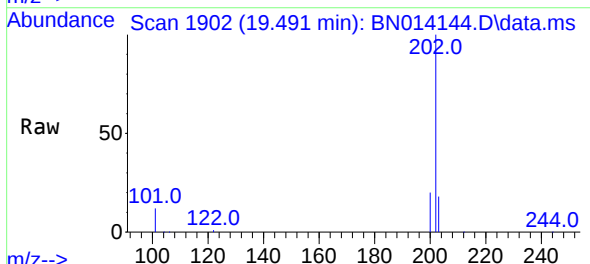
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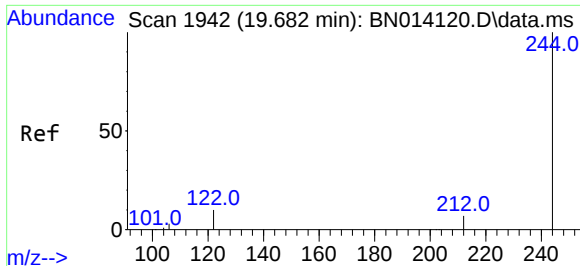
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#30
Pyrene
Concen: 0.43 ng
RT: 19.491 min Scan# 1902
Delta R.T. 0.003 min
Lab File: BN014144.D
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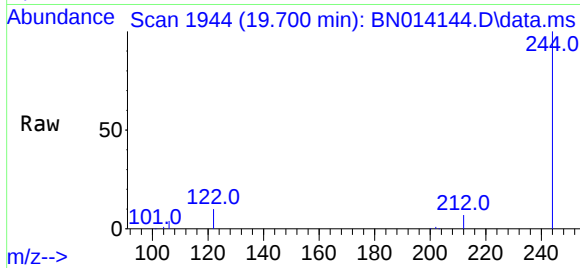
Tgt Ion:202 Resp: 33337
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.4
203 17.9 13.9 20.9





#31
Terphenyl-d14
Concen: 0.54 ng
RT: 19.700 min Scan# 1944
Delta R.T. 0.003 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

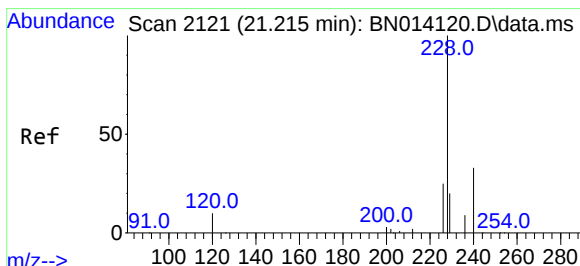
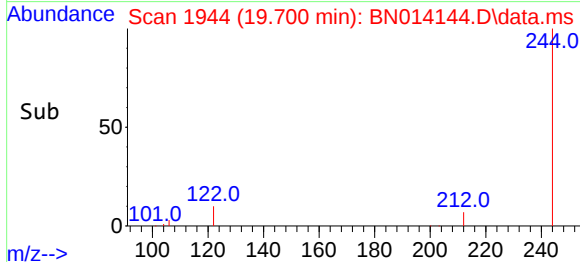
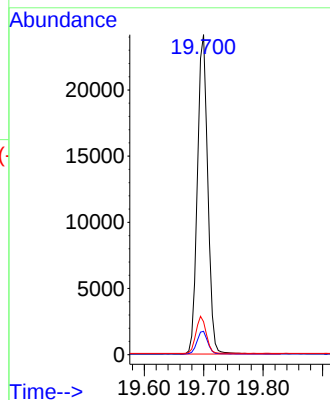
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Tgt Ion:244 Resp: 29209
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 10.3 8.6 13.0

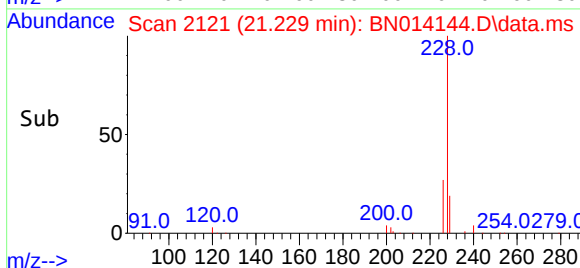
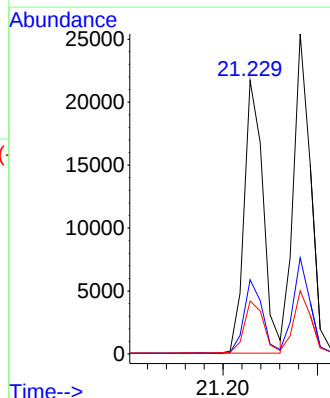
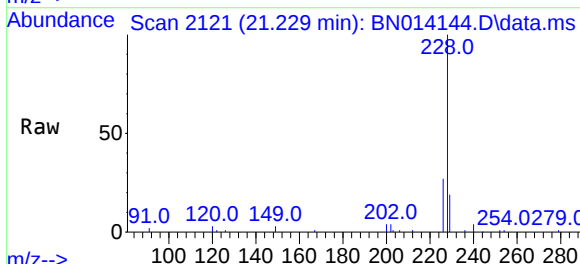
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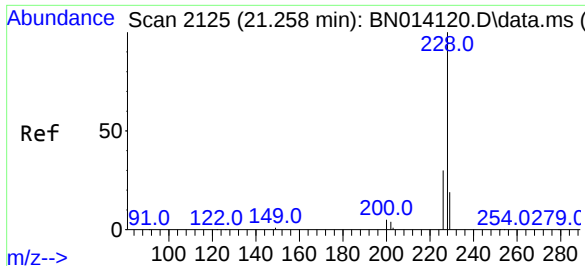
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#32
Benzo(a)anthracene
Concen: 0.46 ng
RT: 21.229 min Scan# 2121
Delta R.T. -0.008 min
Lab File: BN014144.D
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Tgt Ion:228 Resp: 30192
Ion Ratio Lower Upper
228 100
226 27.1 20.6 31.0
229 19.4 16.2 24.2





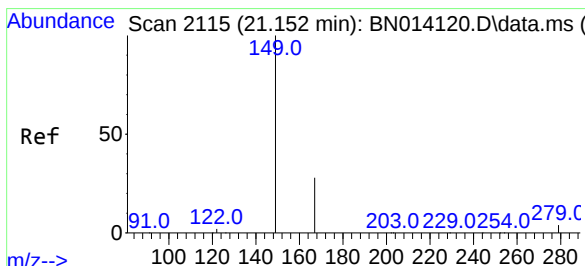
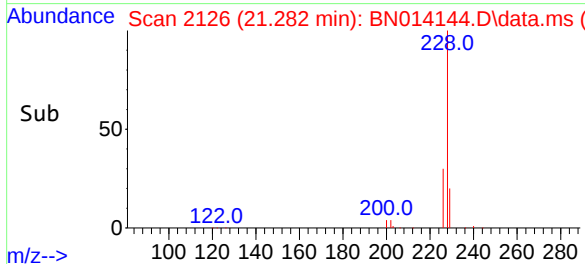
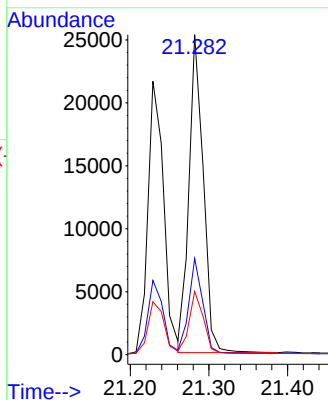
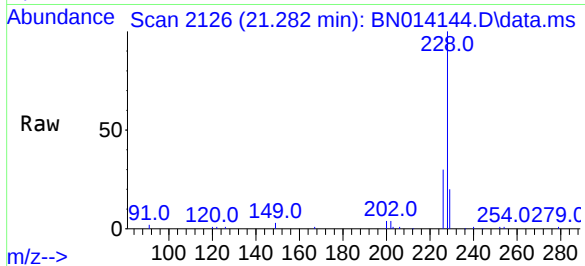
#33
Chrysene
Concen: 0.44 ng
RT: 21.282 min Scan# 2126
Delta R.T. -0.008 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	19.8	15.5	23.3

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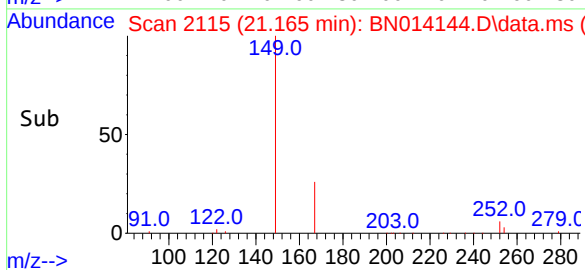
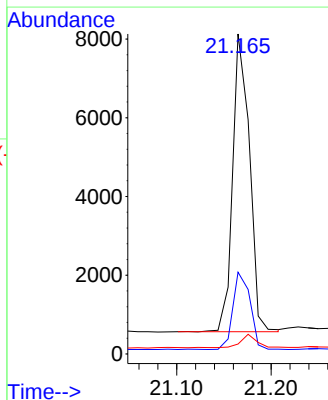
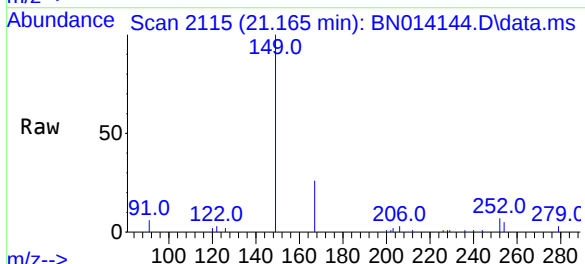
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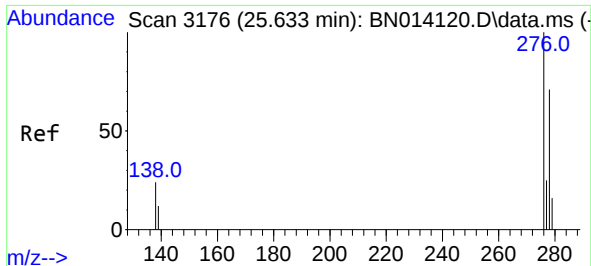
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#34
Bis(2-ethylhexyl)phthalate
Concen: 0.47 ng
RT: 21.165 min Scan# 2115
Delta R.T. -0.008 min
Lab File: BN014144.D
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Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.2
279	4.5	3.5	5.3





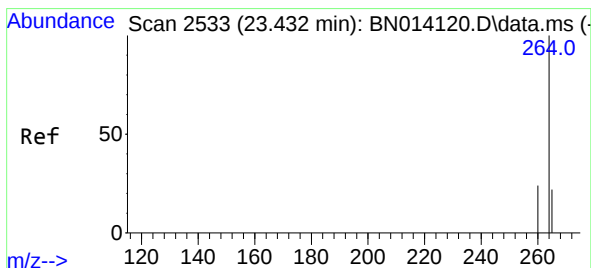
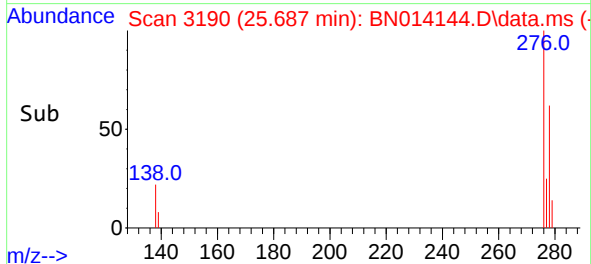
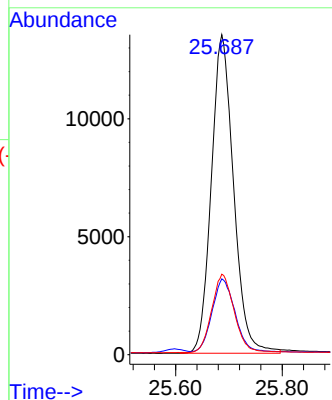
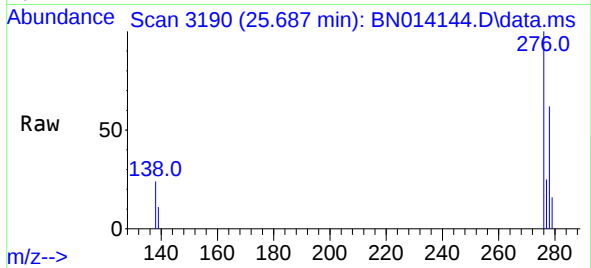
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.52 ng
RT: 25.687 min Scan# 3190
Delta R.T. -0.001 min
Lab File: BN014144.D
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Tgt Ion:	276	Resp:	39219
Ion Ratio	Lower	Upper	
276	100		
138	23.1	19.4	29.2
277	24.7	19.8	29.6

Instrument :
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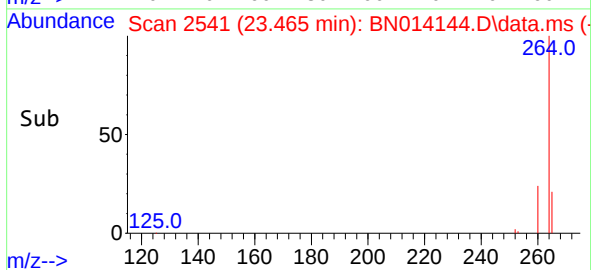
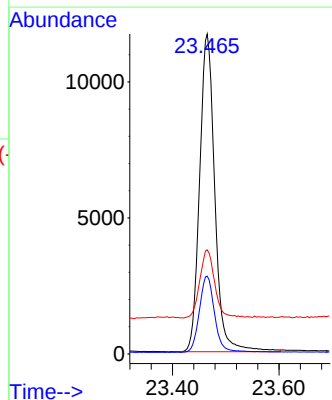
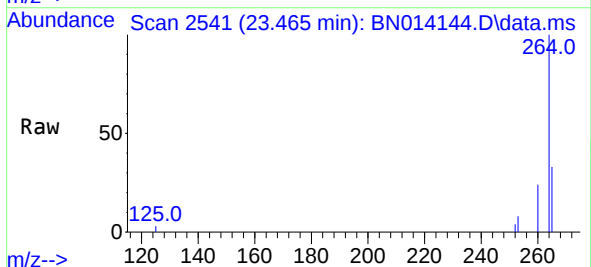
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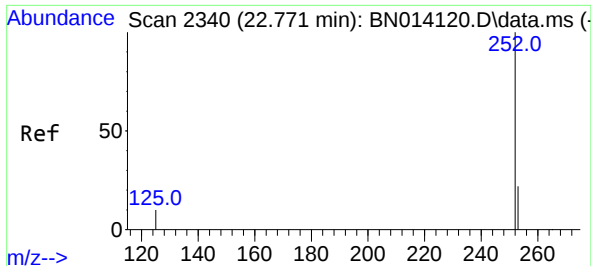
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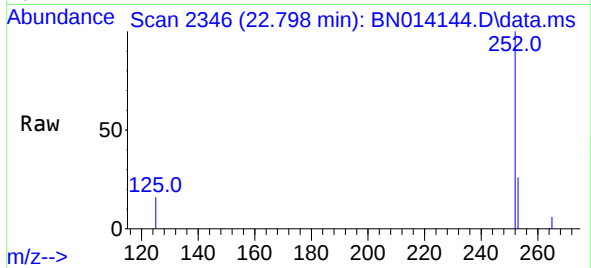
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.465 min Scan# 2541
Delta R.T. -0.001 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:	264	Resp:	23209
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.8	29.8
265	32.5	30.7	46.1

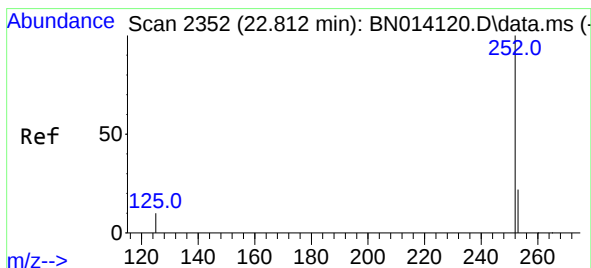
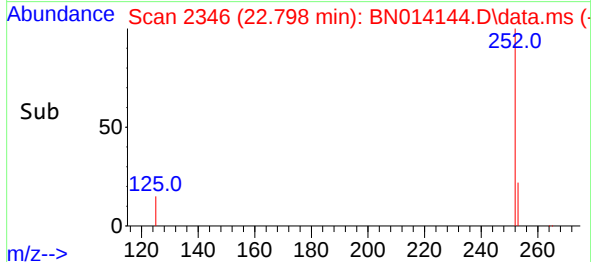
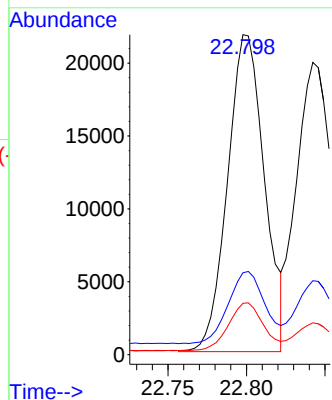




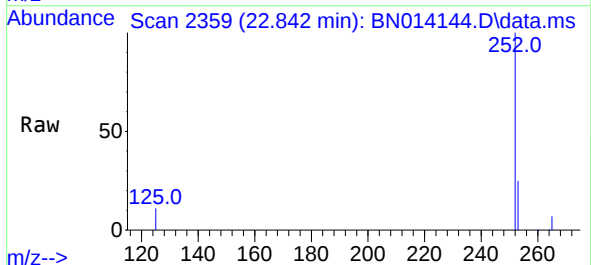
#37
Benzo(b)fluoranthene
Concen: 0.43 ng m
RT: 22.798 min Scan# 2346
Delta R.T. -0.004 min
Lab File: BN014144.D
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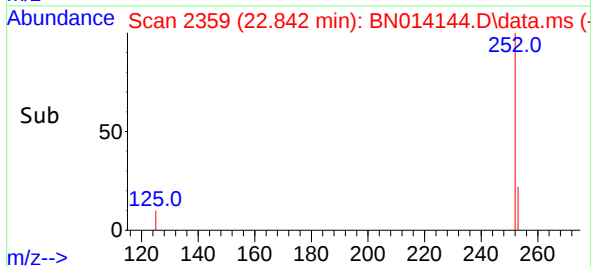
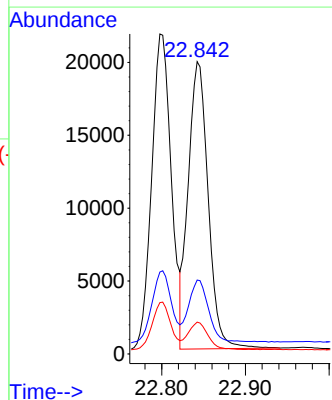
Tgt Ion:252 Resp: 35532
Ion Ratio Lower Upper
252 100
253 25.6 20.6 30.8
125 16.1 9.4 14.2#



#38
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 22.842 min Scan# 2359
Delta R.T. -0.001 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



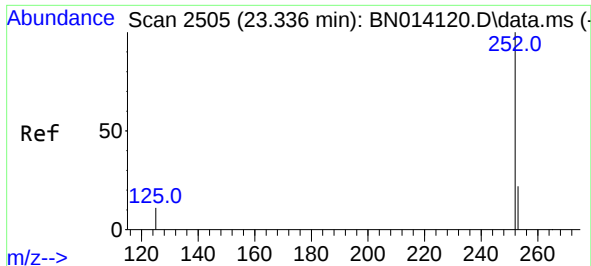
Tgt Ion:252 Resp: 32702
Ion Ratio Lower Upper
252 100
253 25.3 20.6 30.8
125 10.9 9.5 14.3



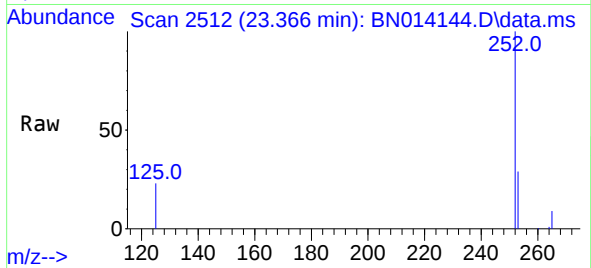
Instrument :
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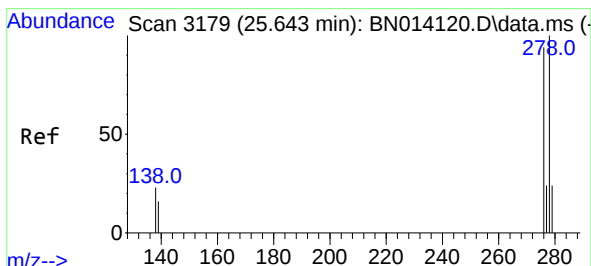
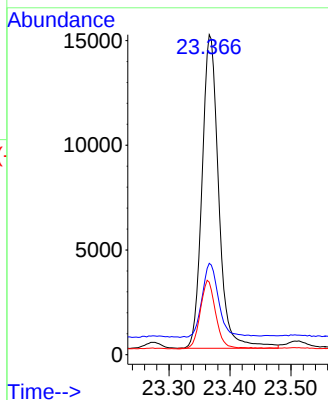
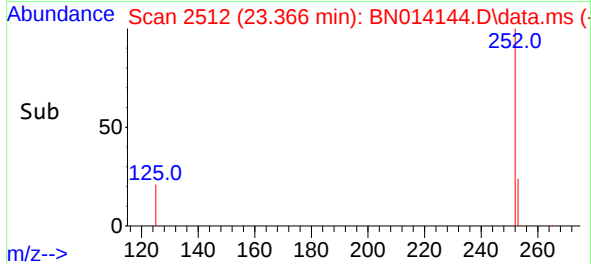
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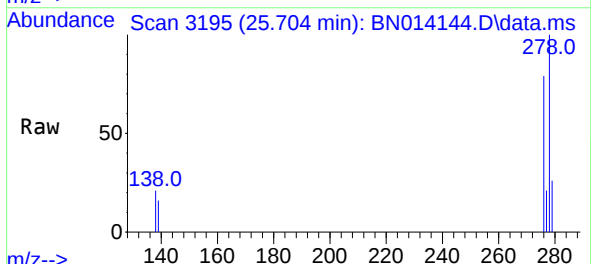
#39
Benzo(a)pyrene
Concen: 0.41 ng
RT: 23.366 min Scan# 2512
Delta R.T. -0.001 min
Lab File: BN014144.D
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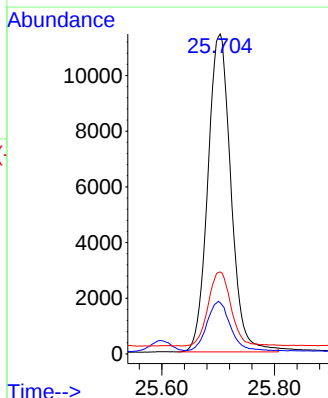
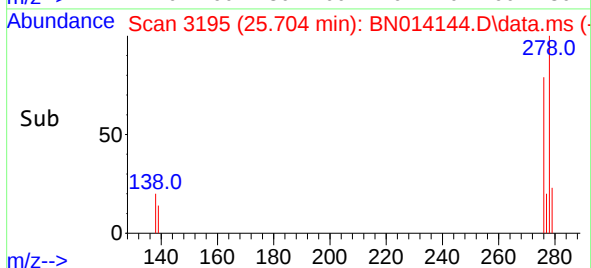
Tgt Ion:252 Resp: 28467
Ion Ratio Lower Upper
252 100
253 28.6 21.9 32.9
125 22.6 10.8 16.2#



#40
Dibenzo(a,h)anthracene
Concen: 0.45 ng
RT: 25.704 min Scan# 3195
Delta R.T. 0.003 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51



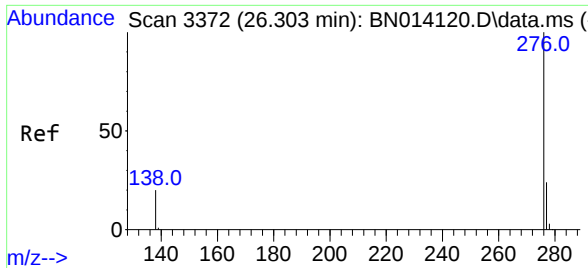
Tgt Ion:278 Resp: 32428
Ion Ratio Lower Upper
278 100
139 16.0 13.4 20.0
279 25.6 21.3 31.9



Instrument :
BNA_N
ClientSampleId :
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#41
Benzo(g,h,i)perylene
Concen: 0.44 ng
RT: 26.368 min Scan# 3389
Delta R.T. -0.001 min
Lab File: BN014144.D
Acq: 31 Mar 2021 15:51

Tgt Ion:	276	Resp:	33839
Ion Ratio	Lower	Upper	
276	100		
277	24.1	20.1	30.1
138	21.1	17.0	25.4

Instrument :
BNA_N
ClientSampleId :
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