

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030221\
 Data File : BN013810.D
 Acq On : 02 Mar 2021 15:50
 Operator : CG/JU
 Sample : M1535-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB-01-030121

Manual Integrations
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Quant Time: Mar 02 17:10:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 25 11:31:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	5669	0.40	ng	0.00
7) Naphthalene-d8	10.518	136	22187	0.40	ng	-0.01
13) Acenaphthene-d10	14.371	164	12048	0.40	ng	0.00
19) Phenanthrene-d10	17.116	188	26745	0.40	ng	#-0.01
29) Chrysene-d12	21.292	240	26807	0.40	ng	0.00
36) Perylene-d12	23.537	264	24523	0.40	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.324	112	1912	0.13	ng	0.00
5) Phenol-d6	6.895	99	1467	0.07	ng	0.00
8) Nitrobenzene-d5	8.870	82	4551	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	9635	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	1211	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	15226	0.36	ng	-0.01
27) Fluoranthene-d10	19.149	212	27634	0.35	ng	0.00
31) Terphenyl-d14	19.749	244	43581	0.74	ng	-0.01
Target Compounds						Qvalue
21) 4-Bromophenyl-phenylether	16.313	248	329	0.02	ng	# 89
22) Hexachlorobenzene	16.422	284	718	0.05	ng	92
25) Phenanthrene	17.153	178	3931m	0.06	ng	
26) Anthracene	17.250	178	2264	0.03	ng	97
28) Fluoranthene	19.173	202	6238	0.07	ng	# 96
30) Pyrene	19.536	202	5683	0.07	ng	97
32) Benzo(a)anthracene	21.282	228	5784	0.07	ng	98
33) Chrysene	21.335	228	6442	0.08	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	8098	0.21	ng	100
35) Indeno(1,2,3-cd)pyrene	25.793	276	6173	0.06	ng	99
37) Benzo(b)fluoranthene	22.863	252	6552	0.08	ng	# 88
38) Benzo(k)fluoranthene	22.907	252	6280	0.08	ng	# 89
39) Benzo(a)pyrene	23.441	252	4759	0.07	ng	# 75
40) Dibenzo(a,h)anthracene	25.813	278	4724	0.06	ng	# 89
41) Benzo(g,h,i)perylene	26.484	276	5017	0.07	ng	92

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

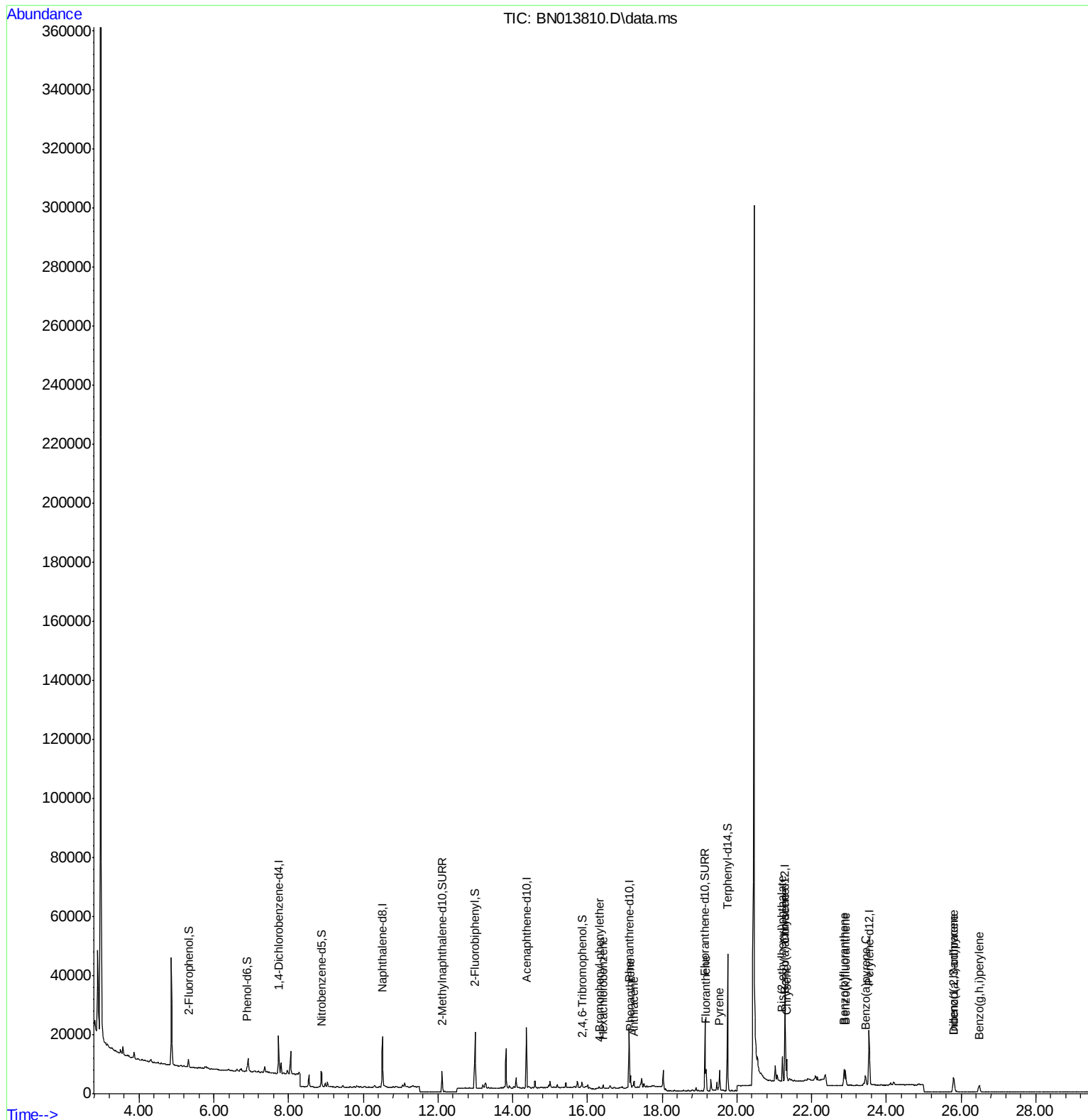
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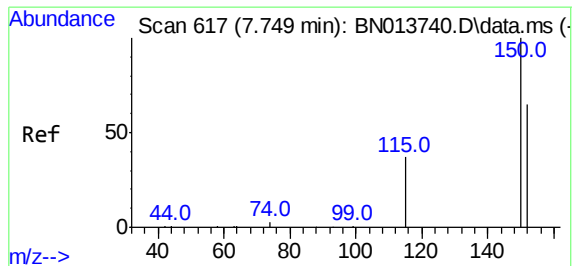
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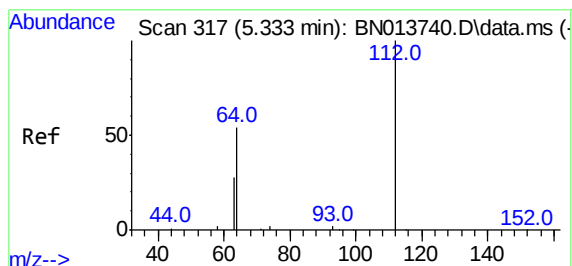
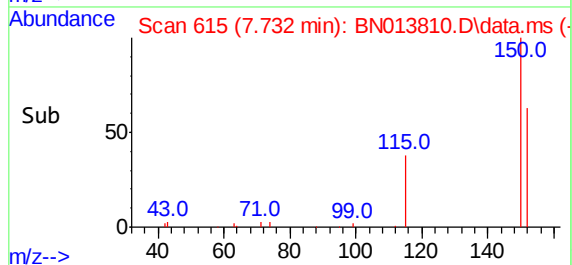
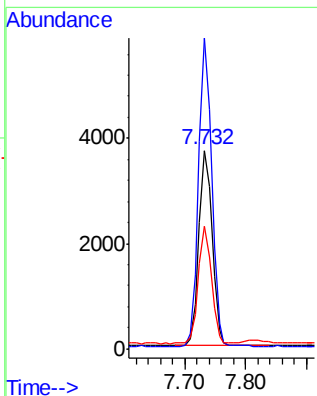
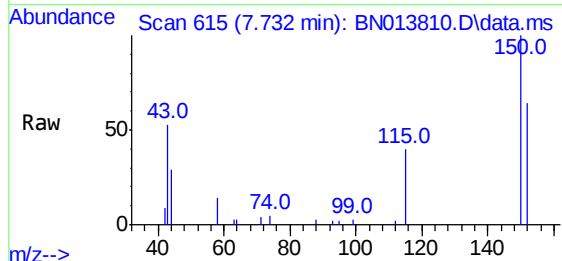
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.732 min Scan# 615
Delta R.T. -0.009 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:152 Resp: 5669
Ion Ratio Lower Upper
152 100
150 156.5 121.8 182.8
115 61.9 46.6 69.8

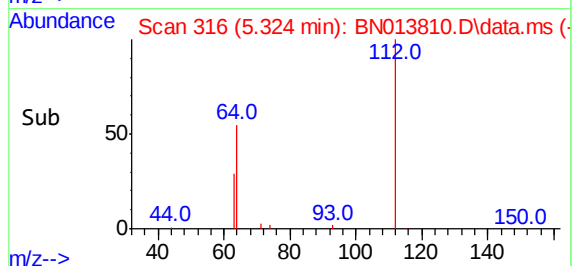
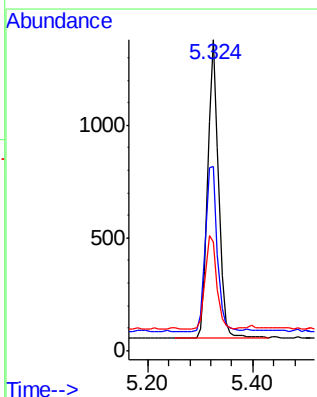
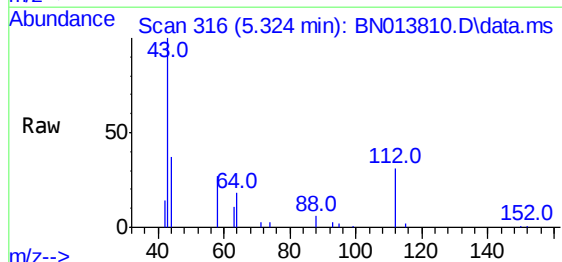
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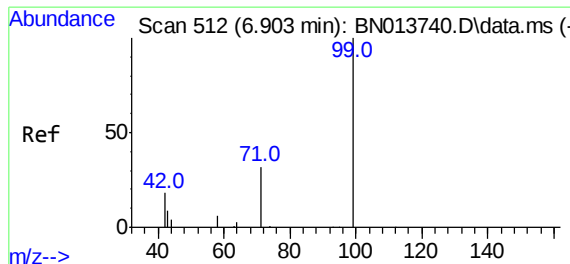
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#4
2-Fluorophenol
Concen: 0.13 ng
RT: 5.324 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

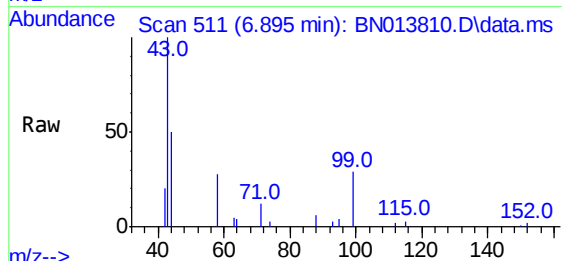
Tgt Ion:112 Resp: 1912
Ion Ratio Lower Upper
112 100
64 60.3 44.3 66.5
63 32.8 23.0 34.6





#5
Phenol-d6
Concen: 0.07 ng
RT: 6.895 min Scan# 511
Delta R.T. -0.008 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

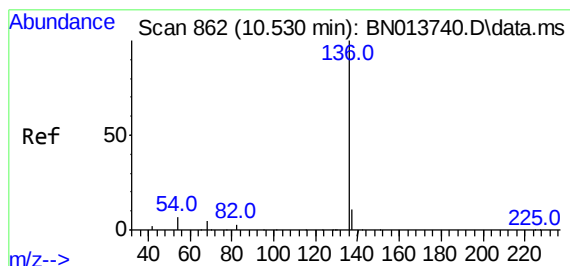
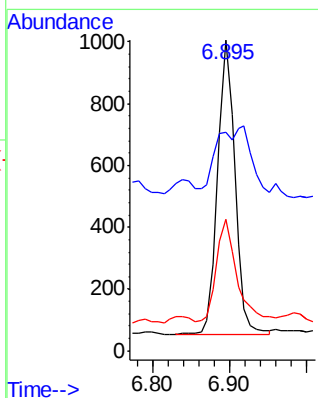
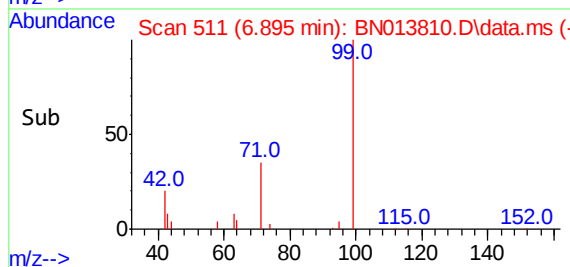
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ClientSampleId :
EB-01-030121



Tgt Ion: 99 Resp: 1467
Ion Ratio Lower Upper
99 100
42 0.0 15.2 22.8#
71 44.0 26.1 39.1#

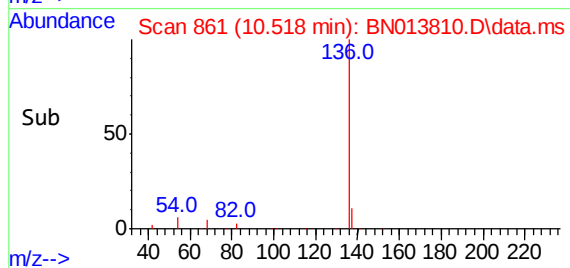
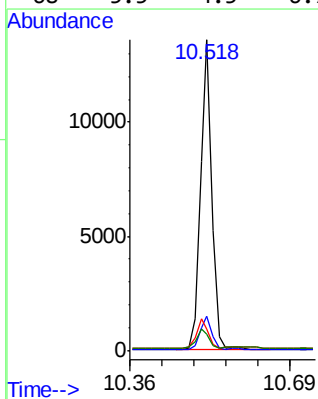
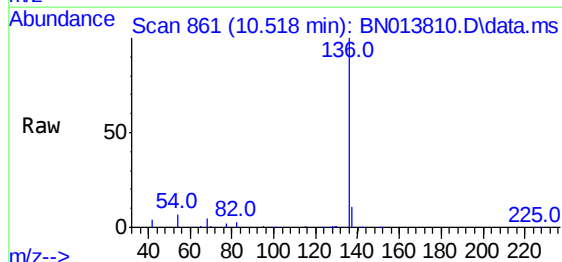
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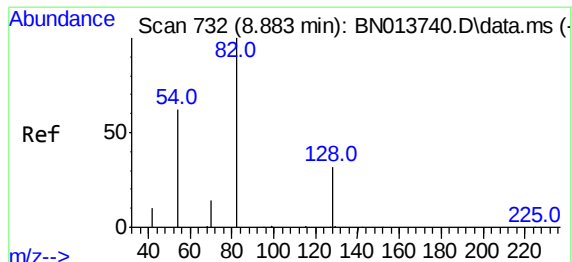
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.518 min Scan# 861
Delta R.T. -0.013 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion: 136 Resp: 22187
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 6.8 6.4 9.6
68 5.5 4.5 6.7





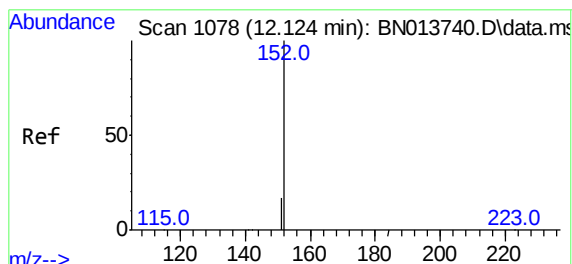
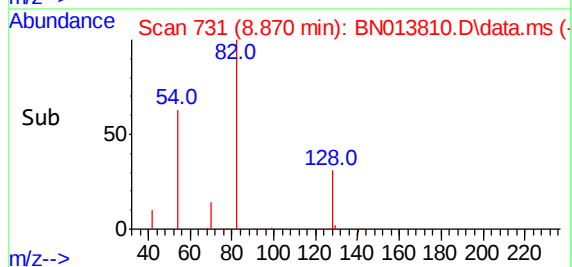
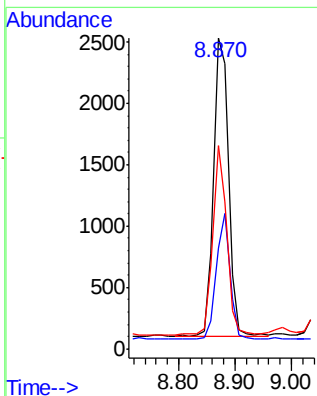
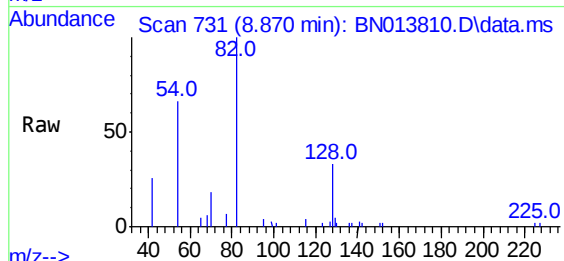
#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.870 min Scan# 731
Delta R.T. -0.013 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Instrument :
BNA_N
ClientSampleId :
EB-01-030121

Tgt Ion: 82 Resp: 4551
Ion Ratio Lower Upper
82 100
128 32.5 39.2 58.8#
54 65.5 40.1 60.1#

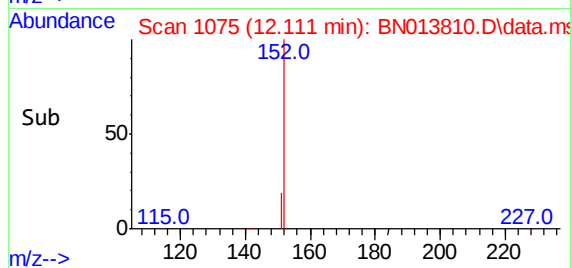
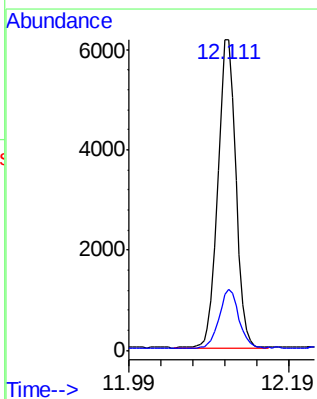
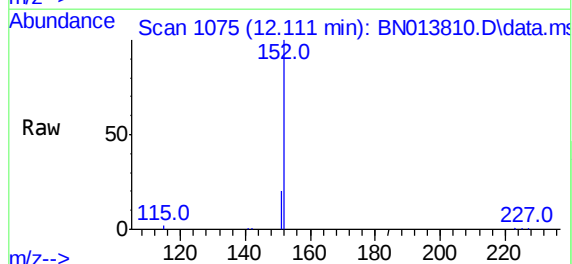
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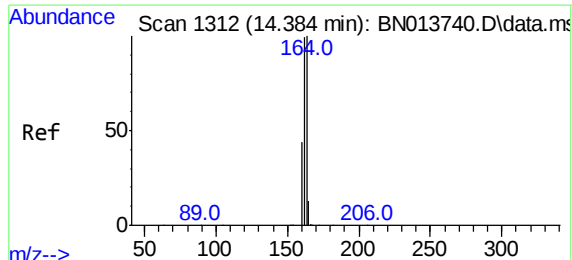
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#11
2-Methylnaphthalene-d10
Concen: 0.27 ng
RT: 12.111 min Scan# 1075
Delta R.T. -0.009 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:152 Resp: 9635
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2





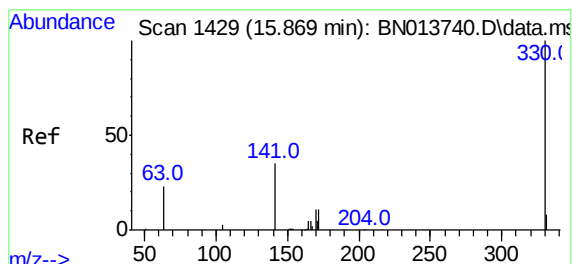
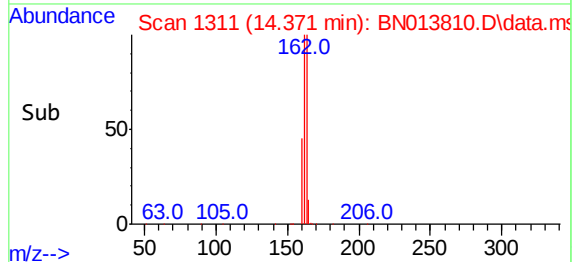
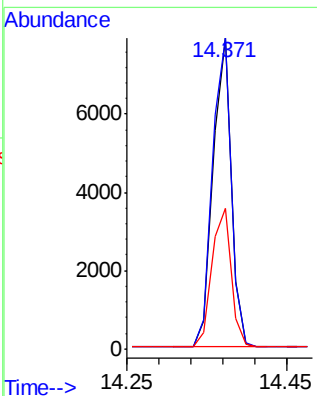
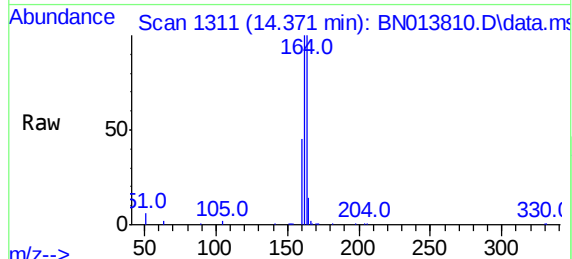
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.371 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	164	Resp:	12048
Ion Ratio	Lower	Upper	
164	100		
162	100.1	79.6	119.4
160	45.4	36.0	54.0

Instrument :
BNA_N
ClientSampleId :
EB-01-030121

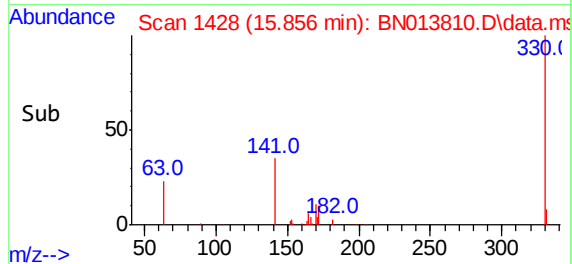
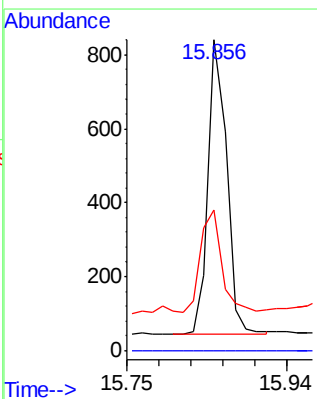
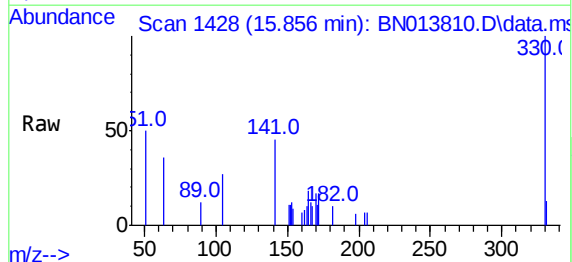
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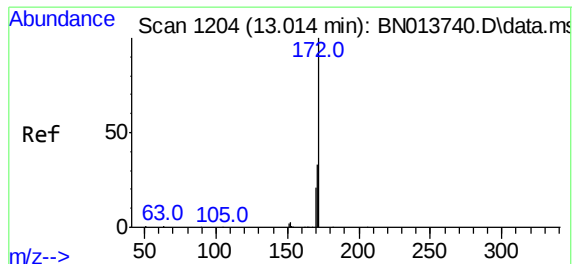
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#14
2,4,6-Tribromophenol
Concen: 0.25 ng
RT: 15.856 min Scan# 1428
Delta R.T. -0.013 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	330	Resp:	1211
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	40.7	26.8	40.2#





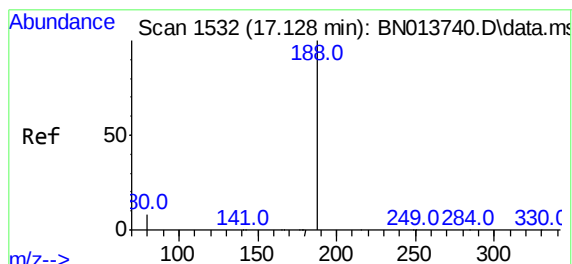
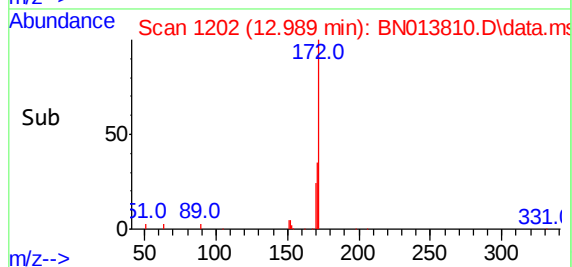
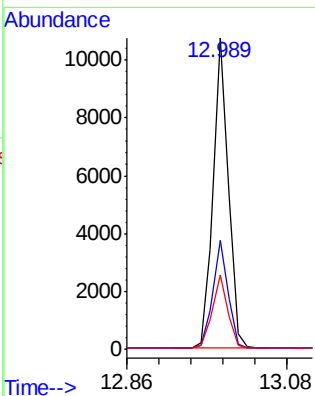
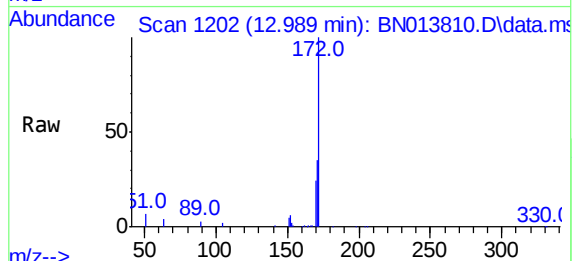
#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 12.989 min Scan# 1202
Delta R.T. -0.013 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	172	Resp:	15226
Ion Ratio	Lower	Upper	
172	100		
171	34.9	28.6	42.8
170	23.9	18.9	28.3

Instrument :
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ClientSampleId :
EB-01-030121

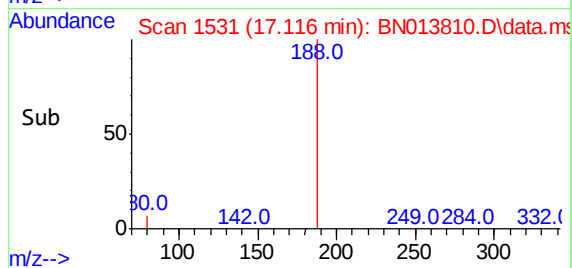
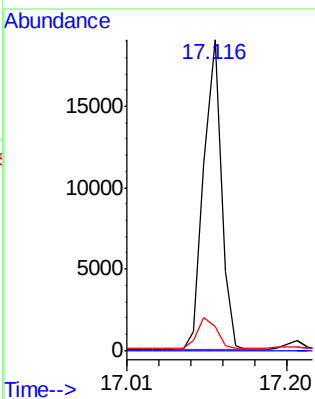
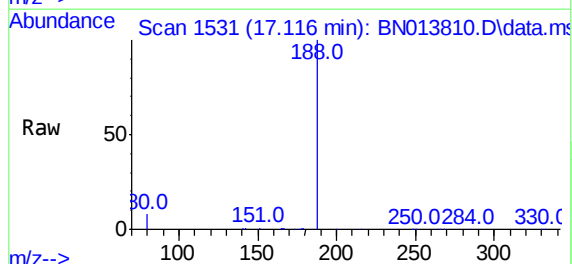
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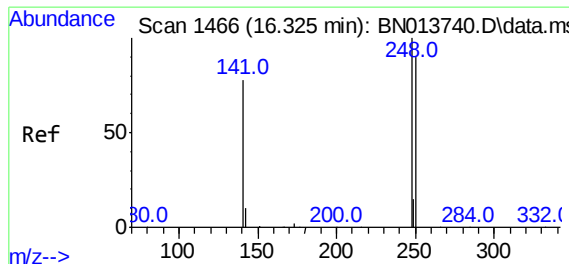
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#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.116 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	188	Resp:	26745
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.9	9.0	13.6#





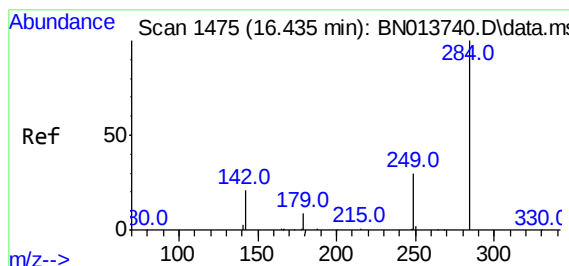
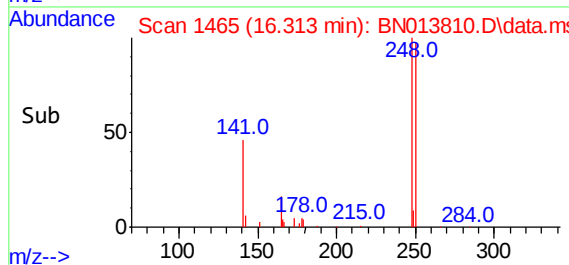
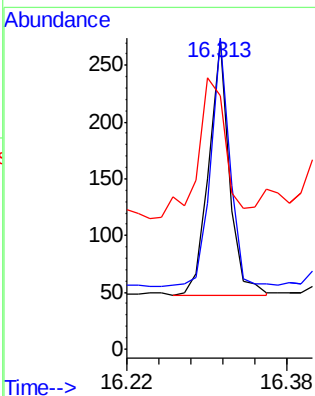
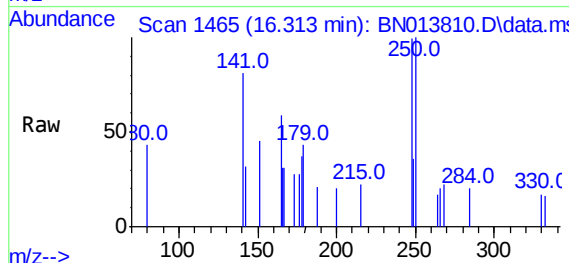
#21
4-Bromophenyl-phenylether
Concen: 0.02 ng
RT: 16.313 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	248	Resp:	329
Ion	Ratio	Lower	Upper
248	100		
250	100.7	75.5	113.3
141	82.0	53.8	80.8#

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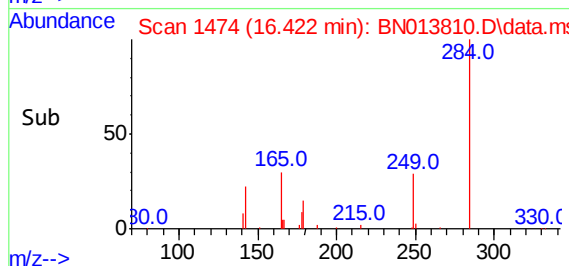
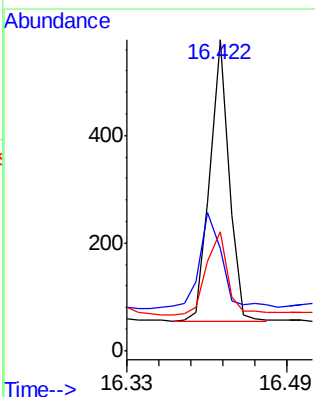
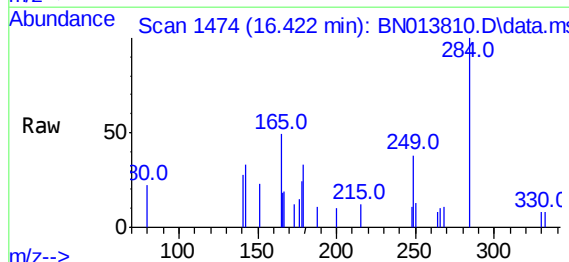
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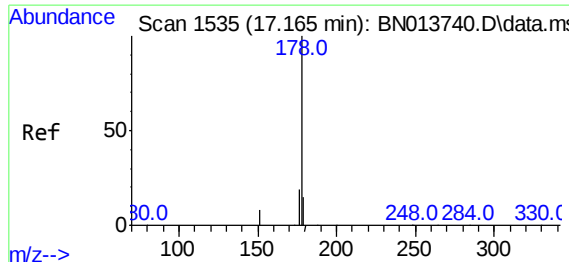
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#22
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.422 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	284	Resp:	718
Ion	Ratio	Lower	Upper
284	100		
142	40.5	27.9	41.9
249	33.3	24.2	36.2





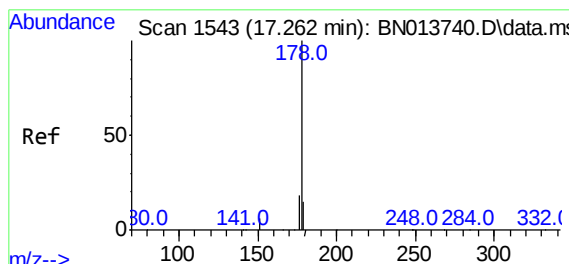
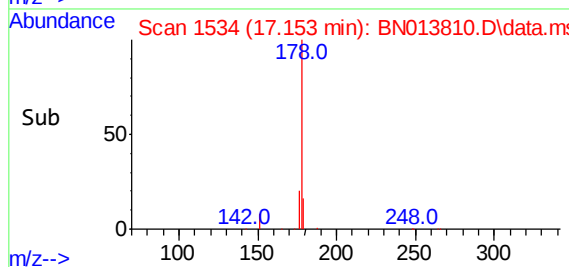
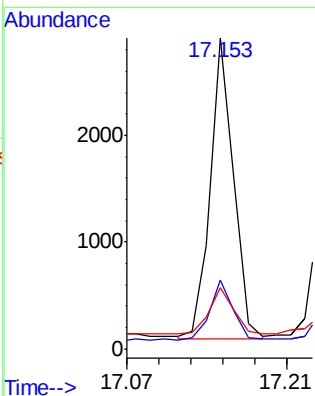
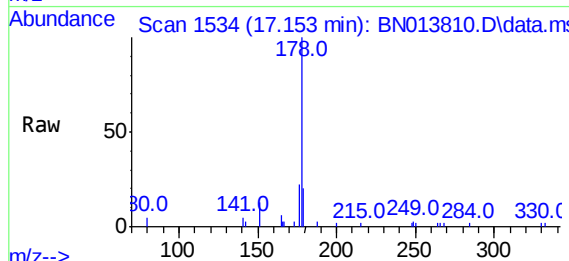
#25
Phenanthrene
Concen: 0.06 ng m
RT: 17.153 min Scan# 1534
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	178	Resp:	3931
Ion Ratio	Lower	Upper	
178	100		
176	10.9	15.0	22.4#
179	9.9	12.3	18.5#

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EB-01-030121

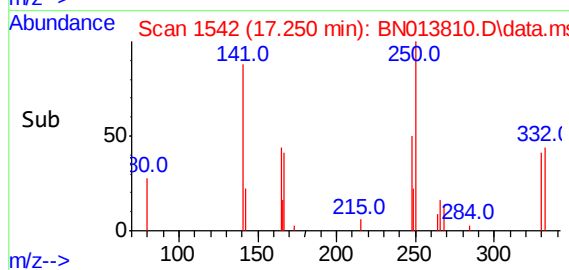
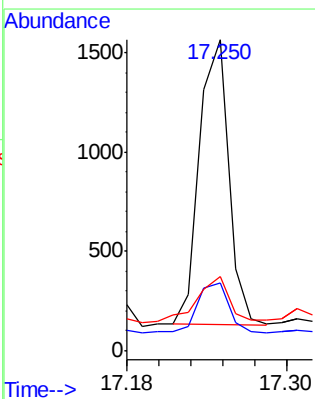
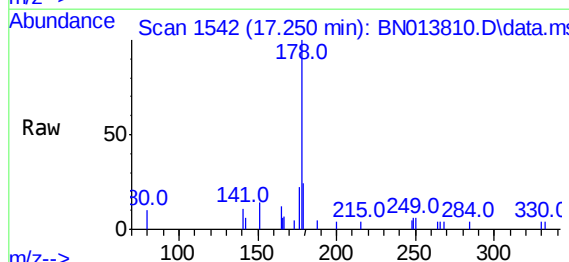
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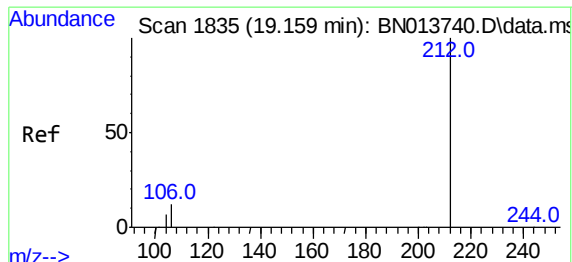
mohammad
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#26
Anthracene
Concen: 0.03 ng
RT: 17.250 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	178	Resp:	2264
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.6	21.8
179	17.2	12.2	18.2





#27
Fluoranthene-d10
Concen: 0.35 ng
RT: 19.149 min Scan# 1833
Delta R.T. -0.007 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

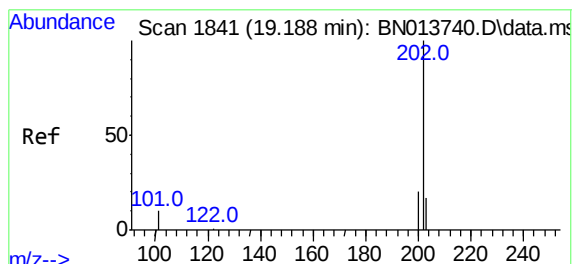
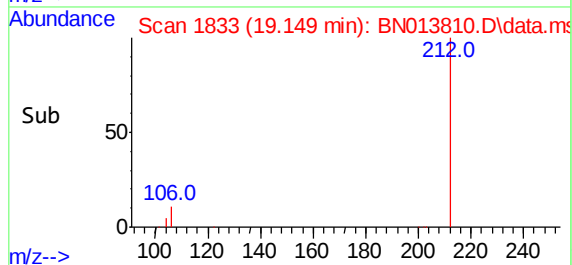
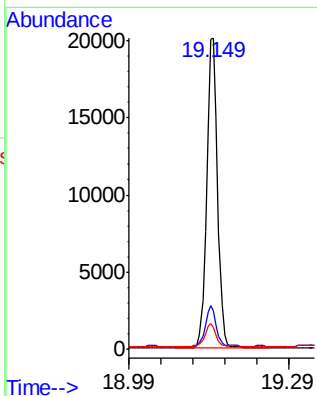
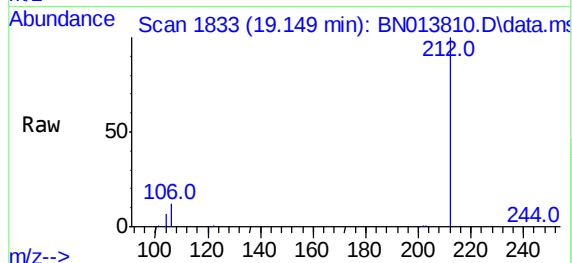
Tgt Ion:212 Resp: 27634

Ion	Ratio	Lower	Upper
212	100		
106	13.0	9.7	14.5
104	7.3	5.5	8.3

Instrument :
BNA_N
ClientSampleId :
EB-01-030121

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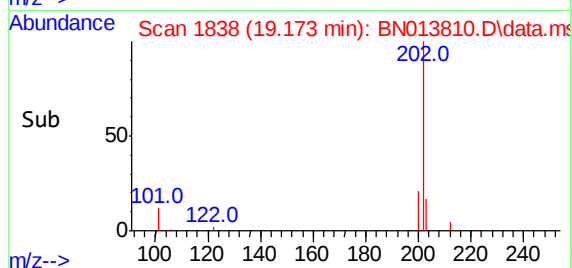
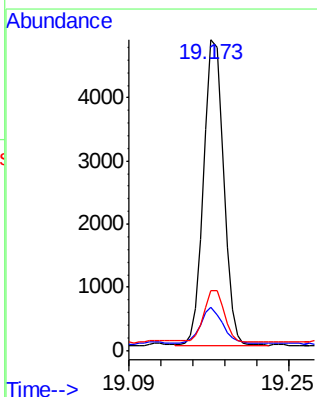
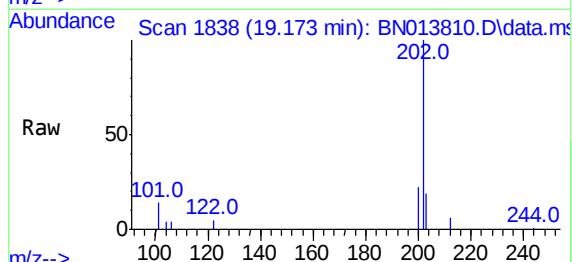
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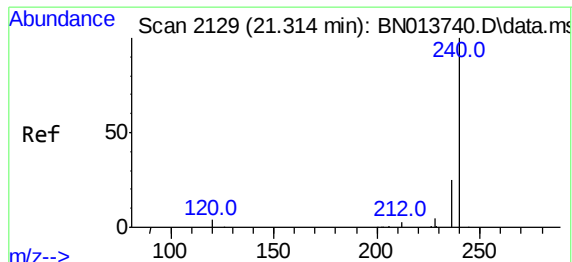


#28
Fluoranthene
Concen: 0.07 ng
RT: 19.173 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:202 Resp: 6238

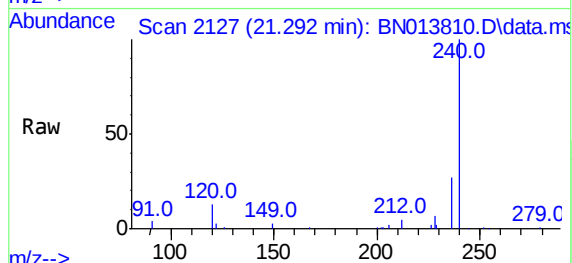
Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.1	12.1
203	17.9	13.9	20.9





#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.292 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

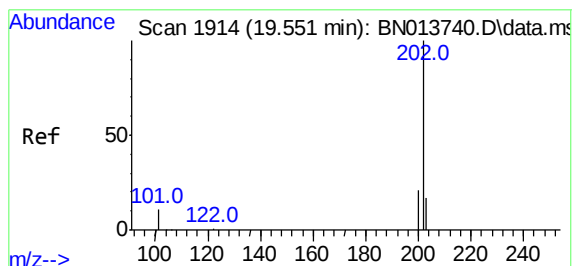
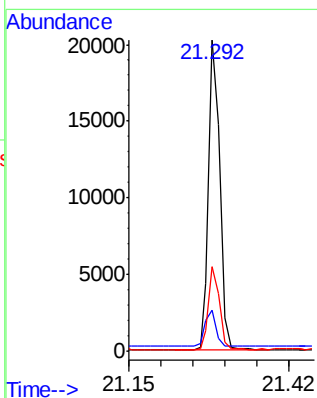
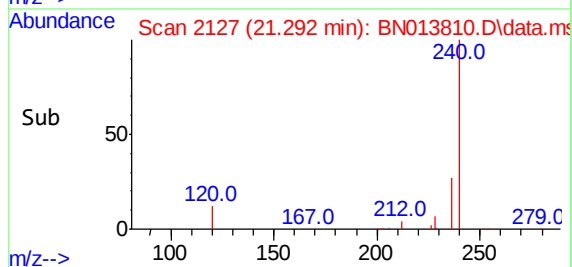
Instrument :
BNA_N
ClientSampleId :
EB-01-030121



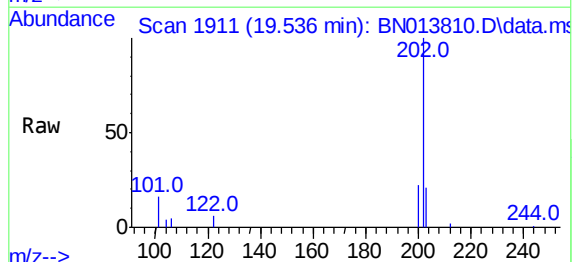
Tgt Ion:240 Resp: 26807
Ion Ratio Lower Upper
240 100
120 13.0 10.2 15.4
236 27.2 21.3 31.9

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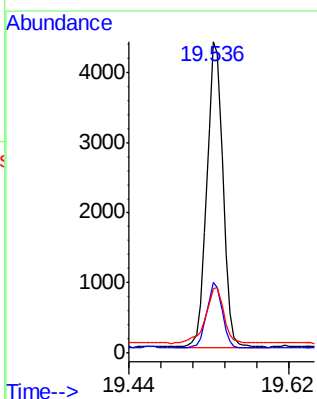
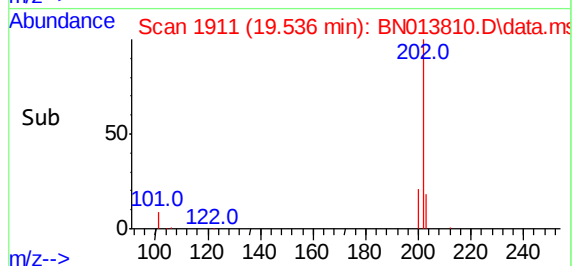
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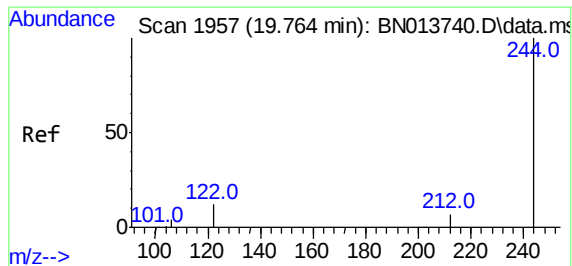


#30
Pyrene
Concen: 0.07 ng
RT: 19.536 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50



Tgt Ion:202 Resp: 5683
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 20.4 14.0 21.0





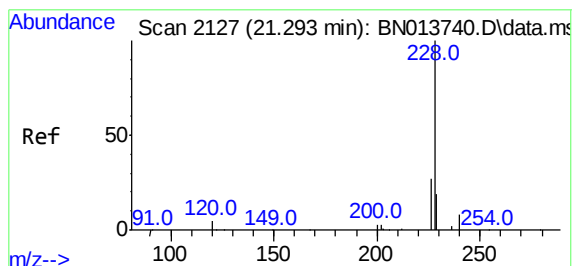
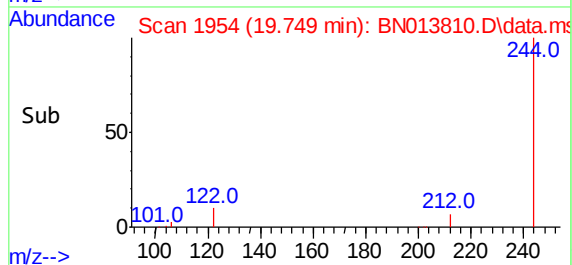
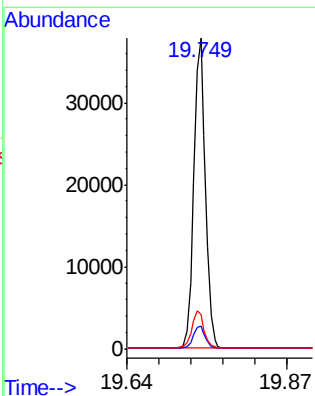
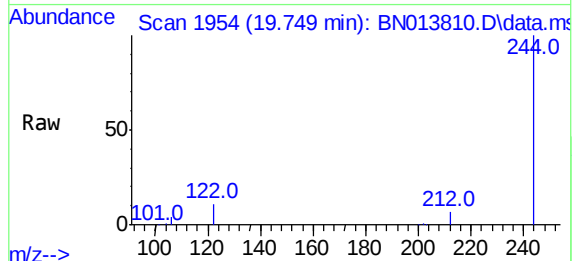
#31
Terphenyl-d14
Concen: 0.74 ng
RT: 19.749 min Scan# 1954
Delta R.T. -0.012 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	244	Resp:	43581
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	10.8	9.8	14.8

Instrument :
BNA_N
ClientSampleId :
EB-01-030121

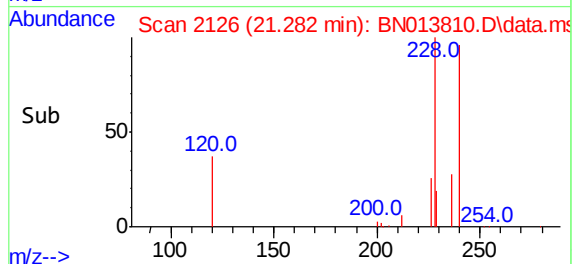
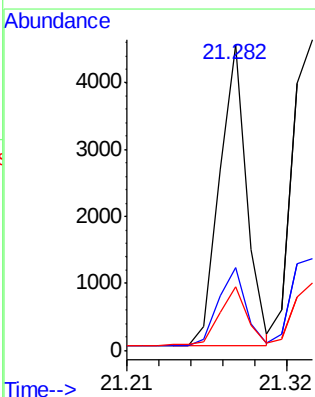
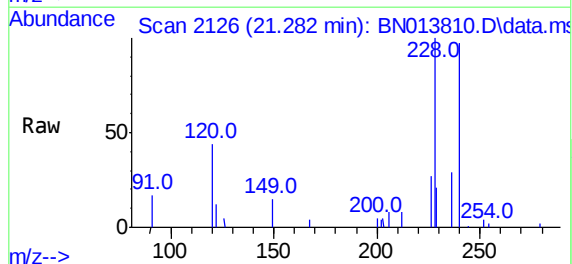
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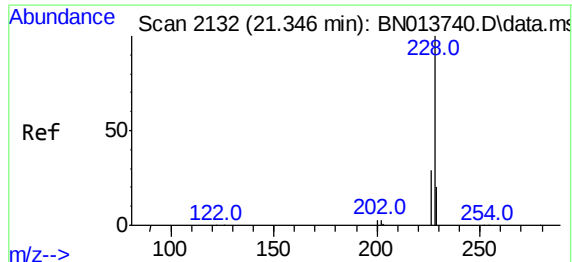
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3/3/2021 11:01:16 AM



#32
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.282 min Scan# 2126
Delta R.T. -0.008 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

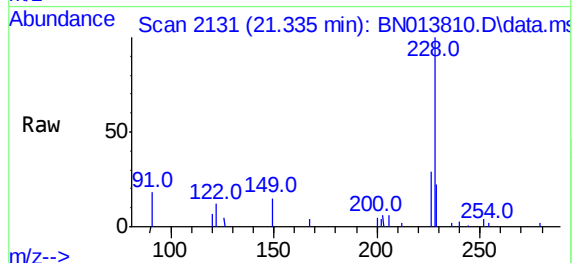
Tgt Ion:	228	Resp:	5784
Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.5	30.7
229	20.9	16.2	24.4





#33
Chrysene
Concen: 0.08 ng
RT: 21.335 min Scan# 2131
Delta R.T. -0.008 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

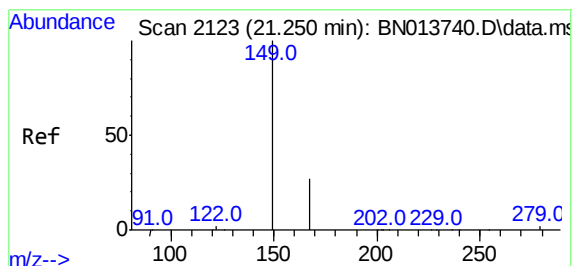
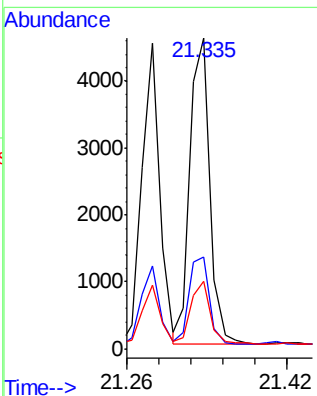
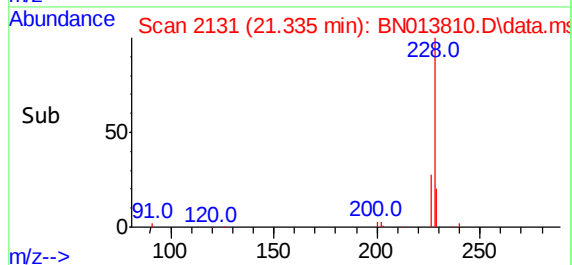
Instrument :
BNA_N
ClientSampleId :
EB-01-030121



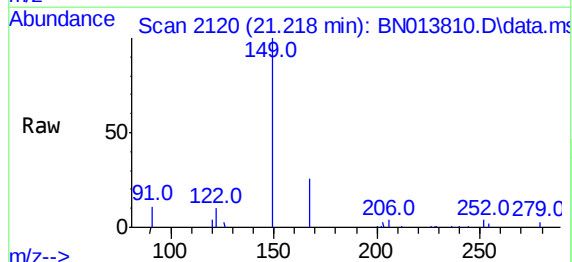
Tgt Ion:228 Resp: 6442
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 21.6 15.1 22.7

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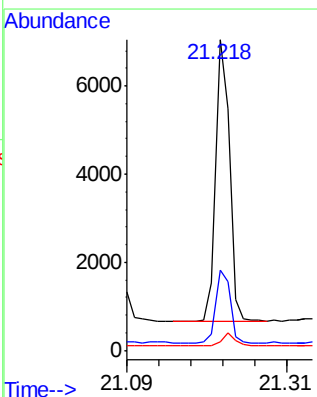
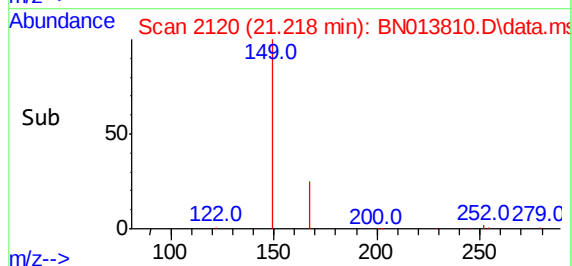
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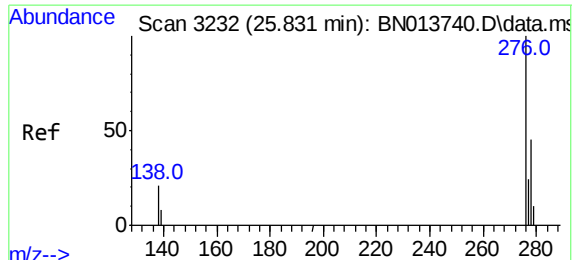


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.21 ng
RT: 21.218 min Scan# 2120
Delta R.T. -0.019 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50



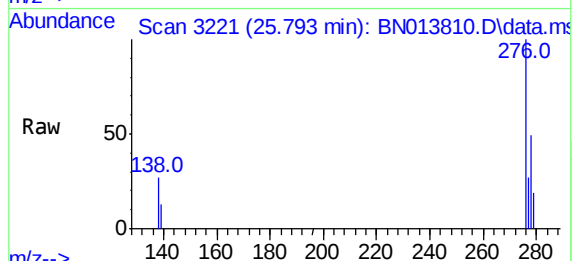
Tgt Ion:149 Resp: 8098
Ion Ratio Lower Upper
149 100
167 27.5 22.1 33.1
279 4.0 3.5 5.3





#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.06 ng
 RT: 25.793 min Scan# 3221
 Delta R.T. -0.025 min
 Lab File: BN013810.D
 Acq: 02 Mar 2021 15:50

Instrument :
 BNA_N
 ClientSampleId :
 EB-01-030121

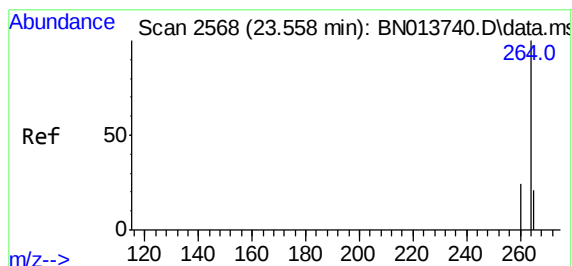
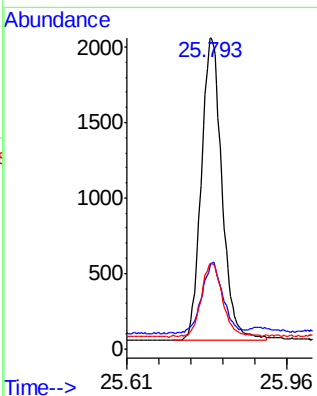
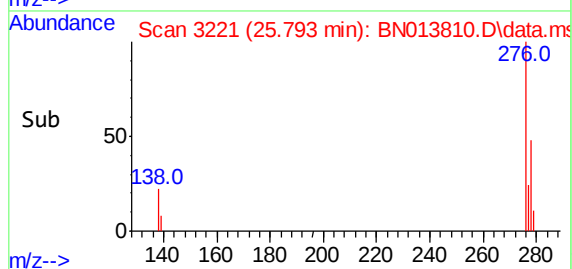


Tgt Ion:276 Resp: 6173

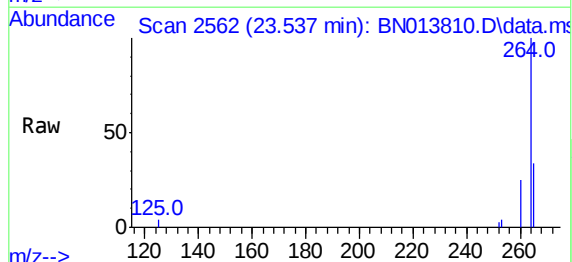
Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.8	29.6
277	24.9	19.9	29.9

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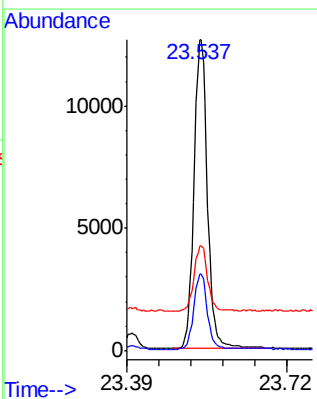
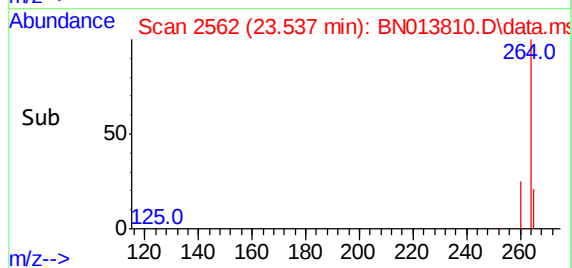


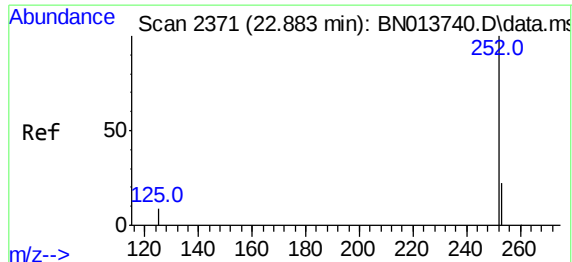
#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.537 min Scan# 2562
 Delta R.T. -0.014 min
 Lab File: BN013810.D
 Acq: 02 Mar 2021 15:50



Tgt Ion:264 Resp: 24523

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	33.5	66.2	99.4





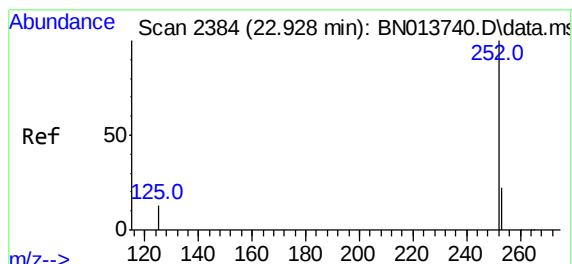
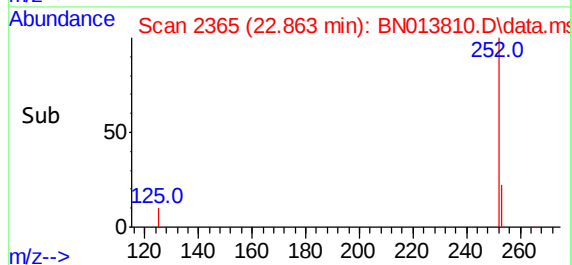
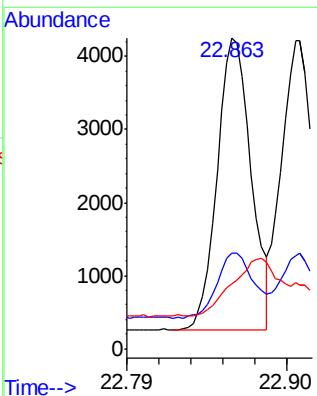
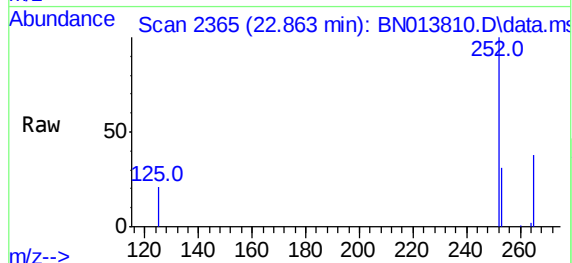
#37
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.863 min Scan# 2365
Delta R.T. -0.014 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:252 Resp: 6552
Ion Ratio Lower Upper
252 100
253 30.9 20.4 30.6#
125 20.8 11.6 17.4#

Instrument :
BNA_N
ClientSampleId :
EB-01-030121

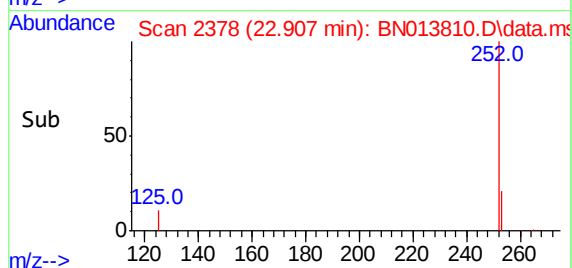
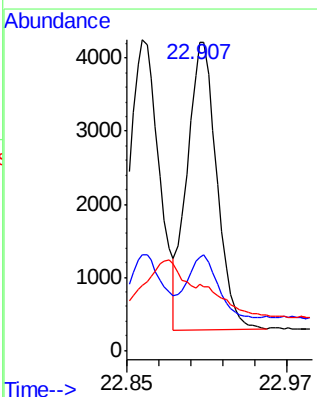
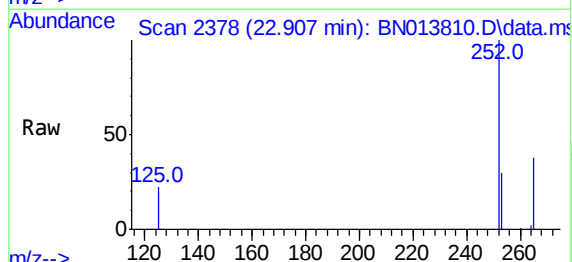
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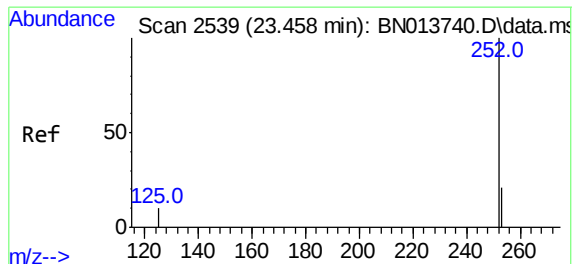
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#38
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.907 min Scan# 2378
Delta R.T. -0.014 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:252 Resp: 6280
Ion Ratio Lower Upper
252 100
253 30.3 20.5 30.7
125 21.6 12.3 18.5#





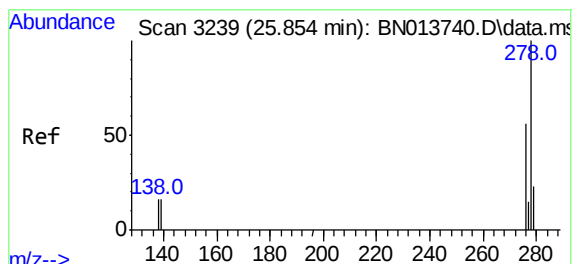
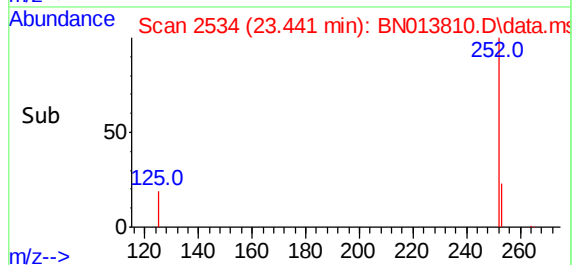
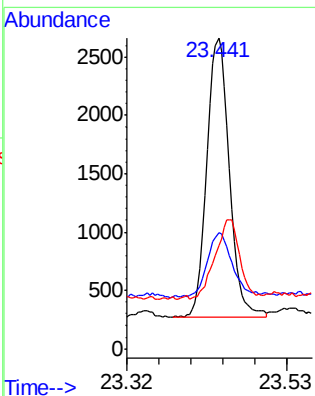
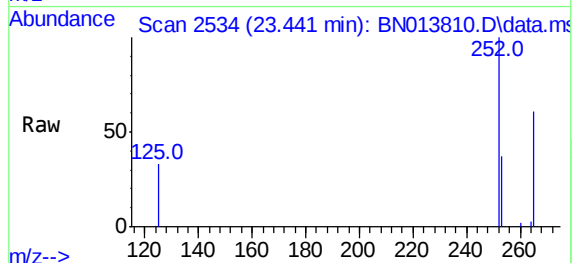
#39
Benzo(a)pyrene
Concen: 0.07 ng
RT: 23.441 min Scan# 2534
Delta R.T. -0.014 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

Tgt Ion:	252	Resp:	4759
Ion Ratio	Lower	Upper	
252	100		
253	37.2	21.8	32.6#
125	33.2	14.6	21.8#

Instrument :
BNA_N
ClientSampleId :
EB-01-030121

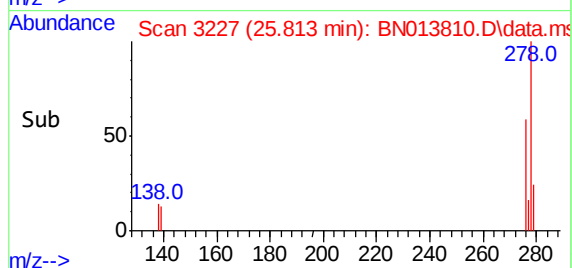
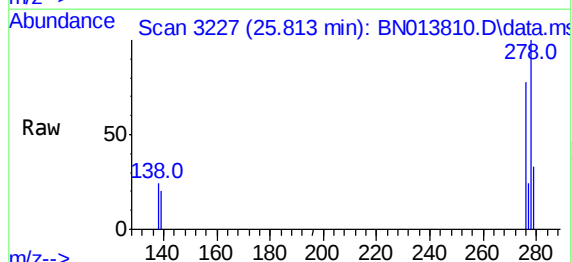
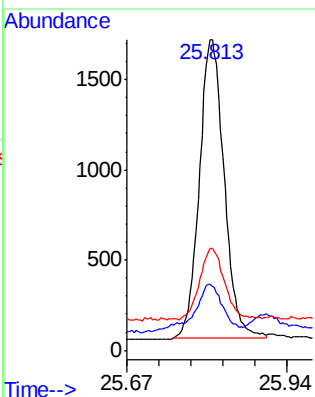
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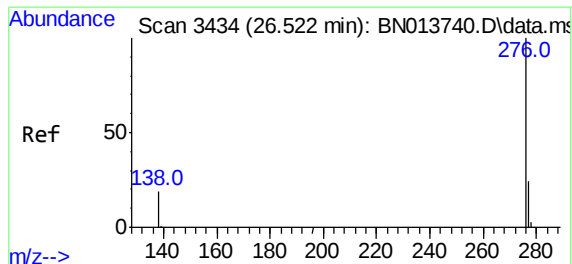
mohammad
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#40
Dibenzo(a,h)anthracene
Concen: 0.06 ng
RT: 25.813 min Scan# 3227
Delta R.T. -0.025 min
Lab File: BN013810.D
Acq: 02 Mar 2021 15:50

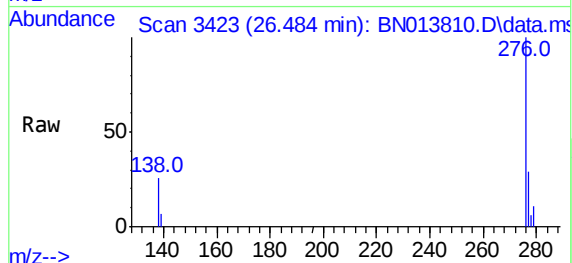
Tgt Ion:	278	Resp:	4724
Ion Ratio	Lower	Upper	
278	100		
139	20.4	13.1	19.7#
279	32.9	21.4	32.0#





#41
 Benzo(g,h,i)perylene
 Concen: 0.07 ng
 RT: 26.484 min Scan# 3423
 Delta R.T. -0.025 min
 Lab File: BN013810.D
 Acq: 02 Mar 2021 15:50

Instrument :
 BNA_N
 ClientSampleId :
 EB-01-030121



Tgt Ion: 276 Resp: 5017

Ion	Ratio	Lower	Upper
276	100		
277	28.6	20.0	30.0
138	26.4	17.8	26.8

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