

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092421\
 Data File : BN016444.D
 Acq On : 24 Sep 2021 19:11
 Operator : CG/JU
 Sample : M3911-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 25 05:05:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 03:35:41 2021
 Response via : Initial Calibration

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

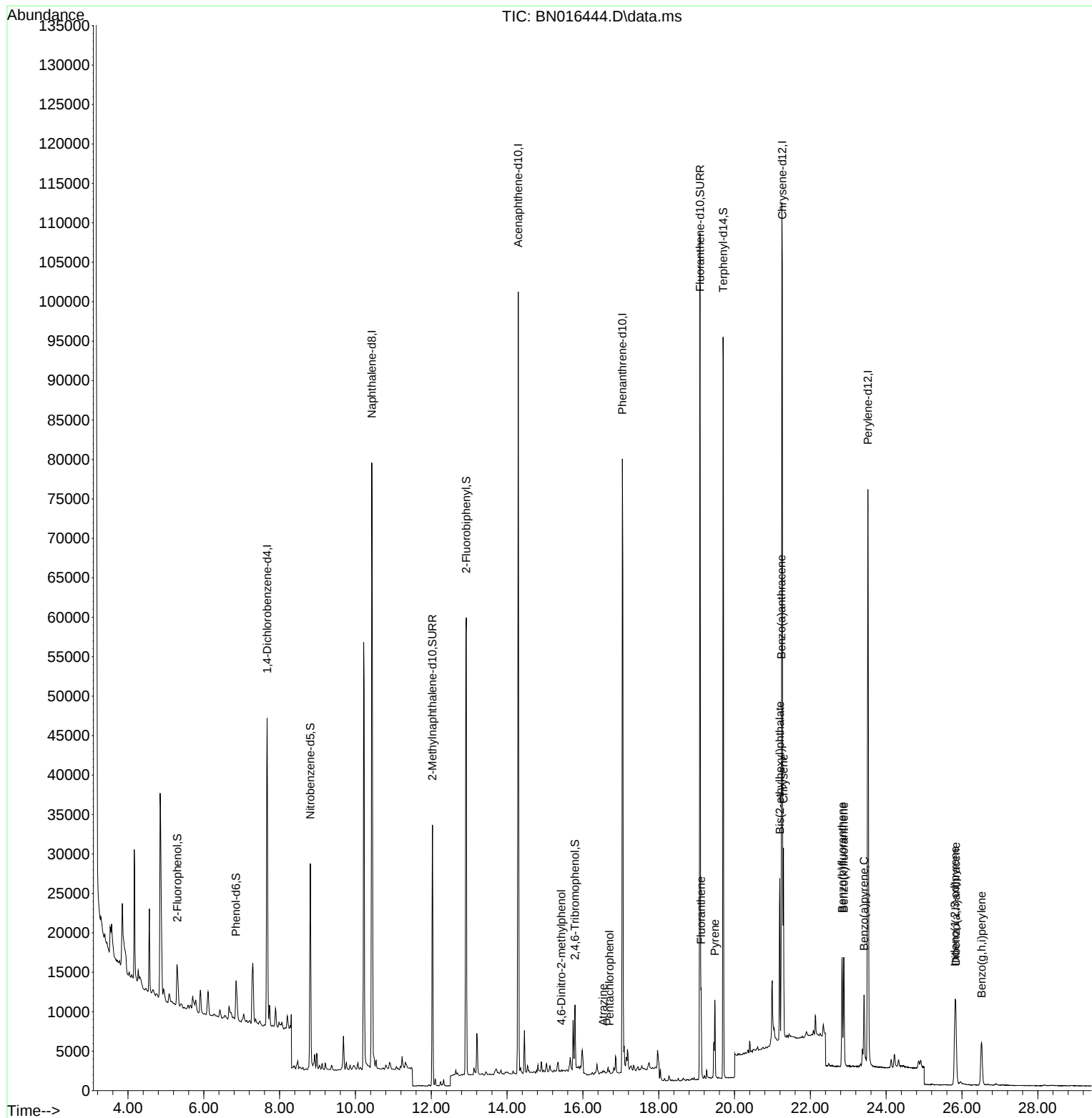
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	23391	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	104398	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	54658	0.400	ng	0.00
19) Phenanthrene-d10	17.042	188	111984	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	106141	0.400	ng	# 0.01
35) Perylene-d12	23.518	264	96335	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	7026	0.134	ng	0.02
5) Phenol-d6	6.849	99	4758	0.077	ng	0.00
8) Nitrobenzene-d5	8.810	82	20294	0.275	ng	0.00
11) 2-Methylnaphthalene-d10	12.029	152	44490	0.288	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	5782	0.409	ng	0.00
15) 2-Fluorobiphenyl	12.924	172	57081	0.249	ng	0.00
27) Fluoranthene-d10	19.088	212	120083	0.391	ng	0.00
31) Terphenyl-d14	19.698	244	94023	0.381	ng	0.00
Target Compounds						
						Qvalue
20) 4,6-Dinitro-2-methylph...	15.436	198	23	0.149	ng	# 1
23) Atrazine	16.531	200	299	0.140	ng	# 57
24) Pentachlorophenol	16.701	266	192	0.250	ng	# 75
28) Fluoranthene	19.117	202	9805	0.027	ng	98
30) Pyrene	19.480	202	9016	0.027	ng	95
32) Benzo(a)anthracene	21.238	228	18082	0.059	ng	98
33) Chrysene	21.291	228	18551	0.056	ng	98
34) Bis(2-ethylhexyl)phtha...	21.195	149	20334	0.242	ng	98
36) Indeno(1,2,3-cd)pyrene	25.812	276	14864	0.048	ng	99
37) Benzo(b)fluoranthene	22.837	252	17832	0.055	ng	# 92
38) Benzo(k)fluoranthene	22.882	252	16611	0.053	ng	# 86
39) Benzo(a)pyrene	23.416	252	13781	0.053	ng	# 89
40) Dibenzo(a,h)anthracene	25.839	278	12106	0.046	ng	96
41) Benzo(g,h,i)perylene	26.517	276	11847	0.043	ng	100

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

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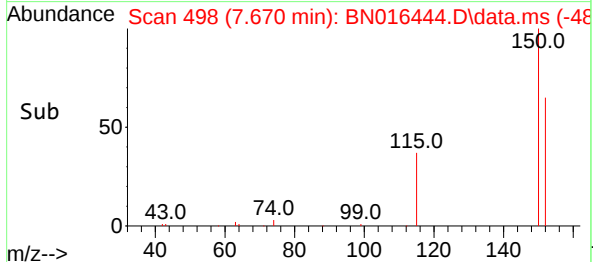
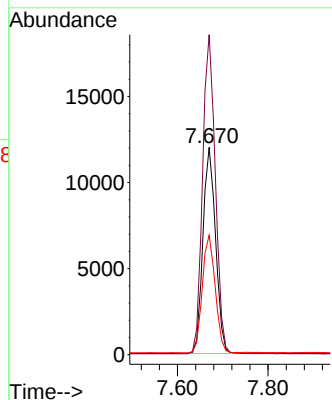
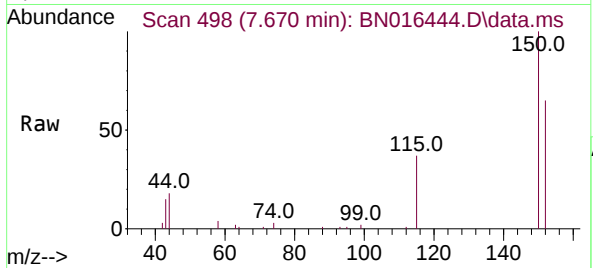




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. -0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

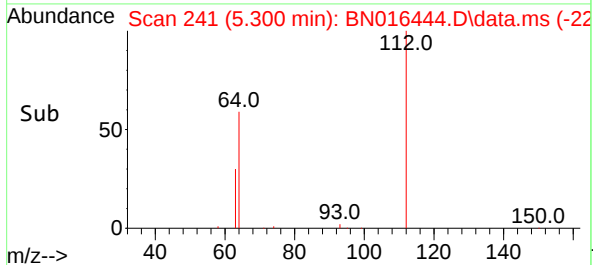
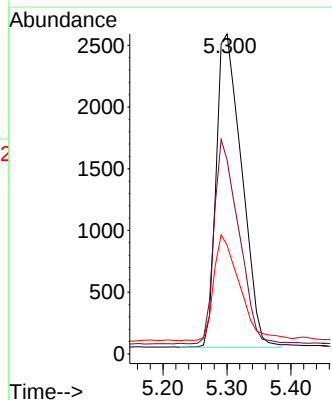
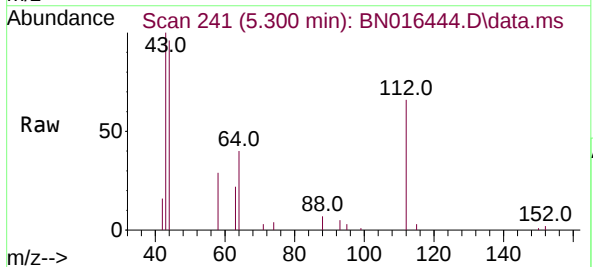
Instrument :
BNA_N
ClientSampled :

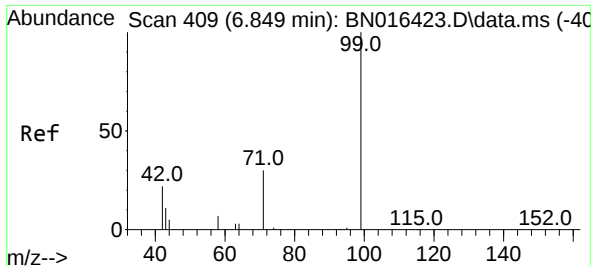
Tgt Ion:152 Resp: 23391
Ion Ratio Lower Upper
152 100
150 154.3 125.6 188.4
115 57.7 50.2 75.2



#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.018 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:112 Resp: 7026
Ion Ratio Lower Upper
112 100
64 62.4 47.3 70.9
63 34.1 23.4 35.0

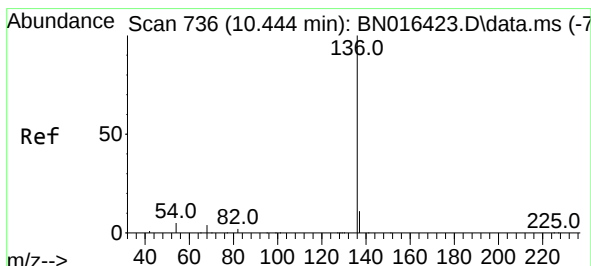
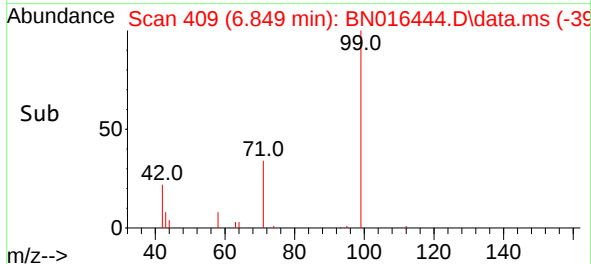
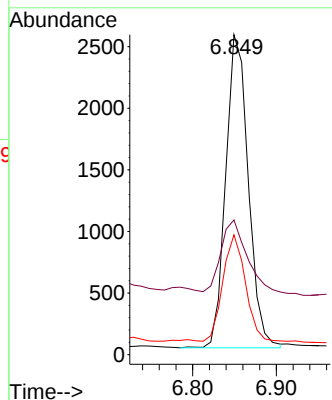
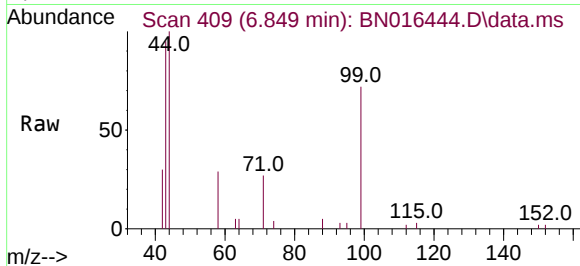




#5
Phenol-d6
Concen: 0.077 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

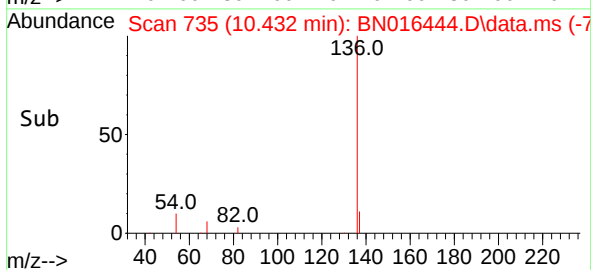
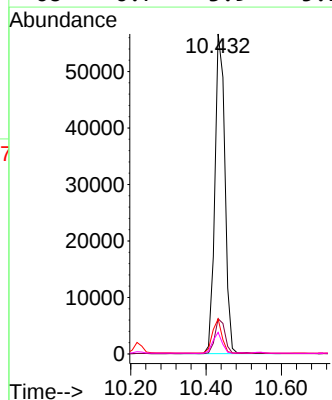
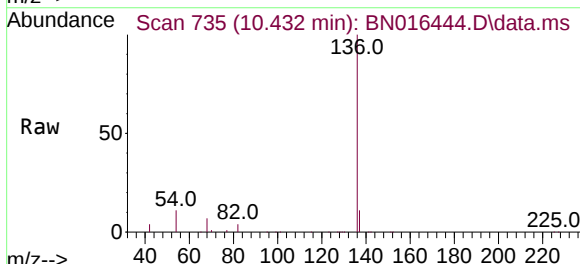
Instrument :
BNA_N
ClientSampled :

Tgt Ion: 99 Resp: 4758
Ion Ratio Lower Upper
99 100
42 27.4 14.0 21.0#
71 33.7 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion: 136 Resp: 104398
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.0 5.3 7.9#
68 6.7 3.9 5.9#

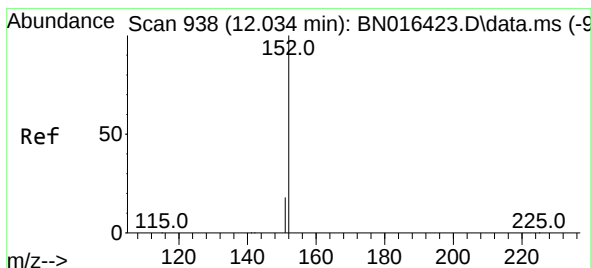
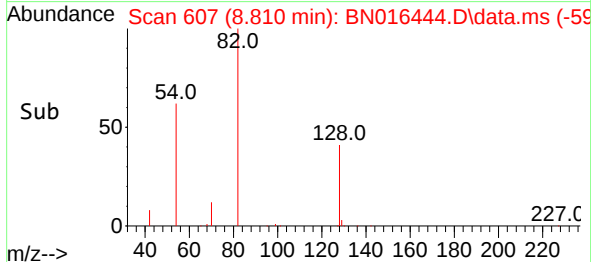
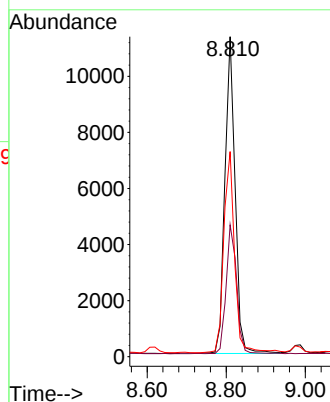
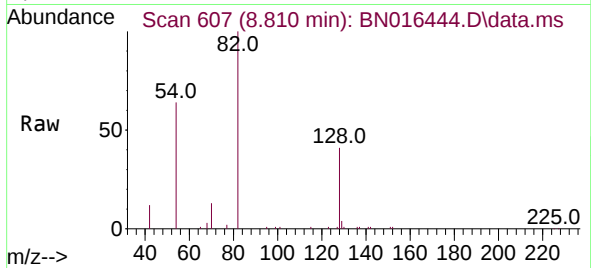




#8
Nitrobenzene-d5
Concen: 0.275 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

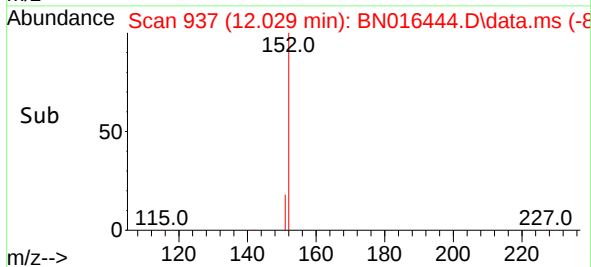
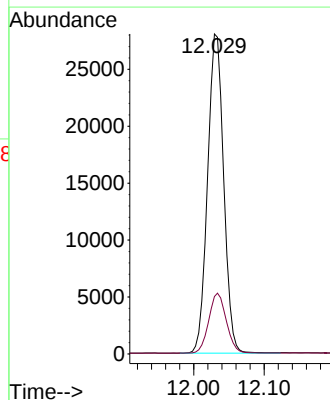
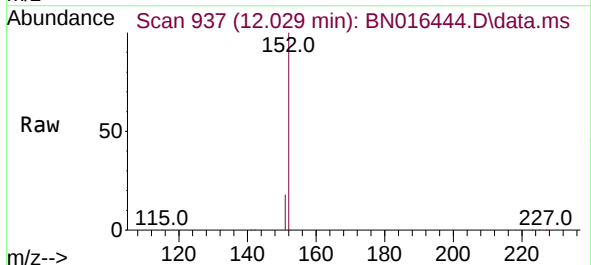
Instrument :
BNA_N
ClientSampled :

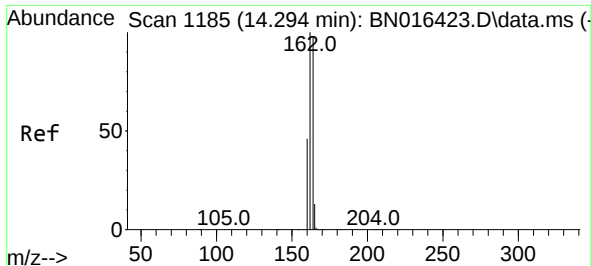
Tgt Ion: 82 Resp: 20294
Ion Ratio Lower Upper
82 100
128 41.2 31.7 47.5
54 64.1 46.4 69.6



#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.029 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion: 152 Resp: 44490
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1

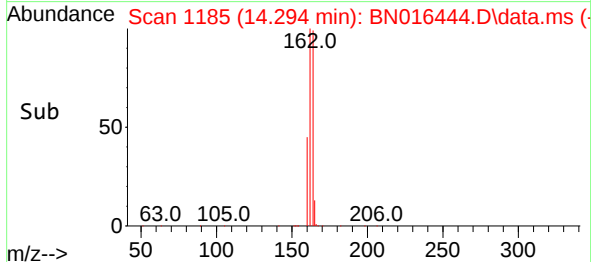
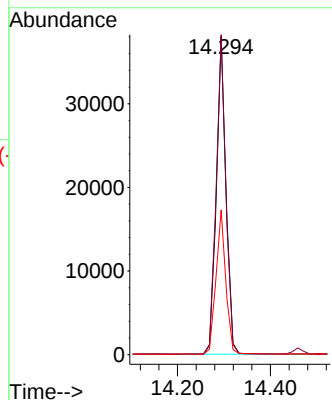
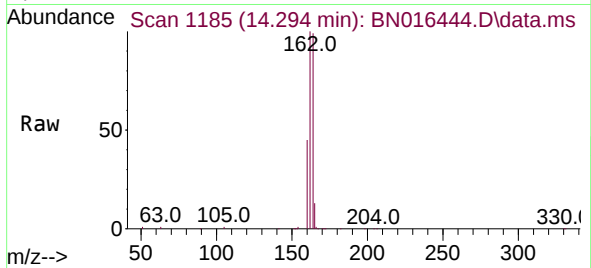




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

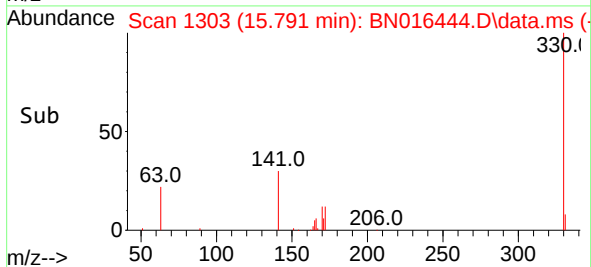
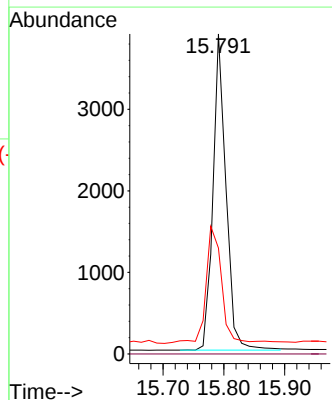
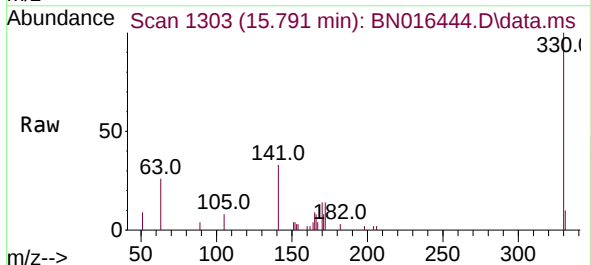
Instrument :
BNA_N
ClientSampleId :

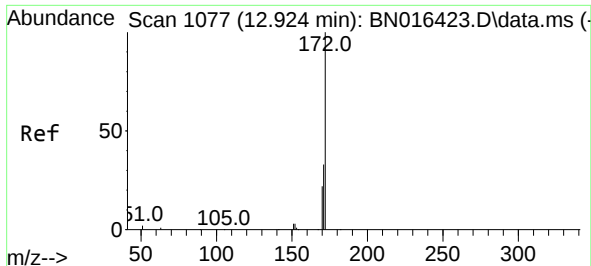
Tgt Ion:164 Resp: 54658
Ion Ratio Lower Upper
164 100
162 100.6 79.0 118.4
160 45.5 34.1 51.1



#14
2,4,6-Tribromophenol
Concen: 0.409 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:330 Resp: 5782
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 42.6 25.0 37.4#

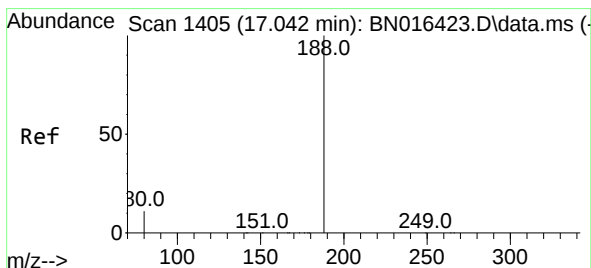
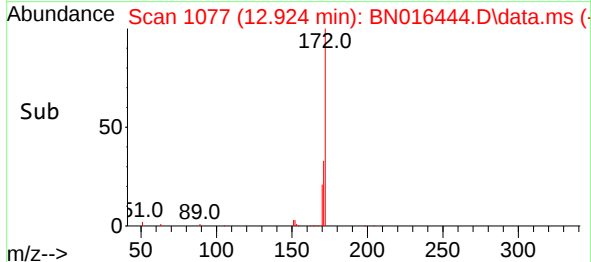
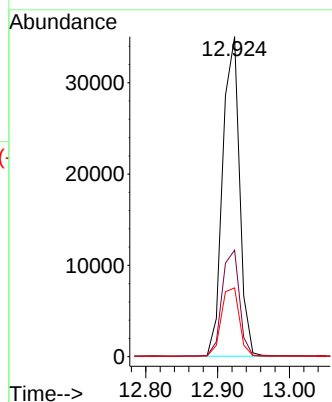
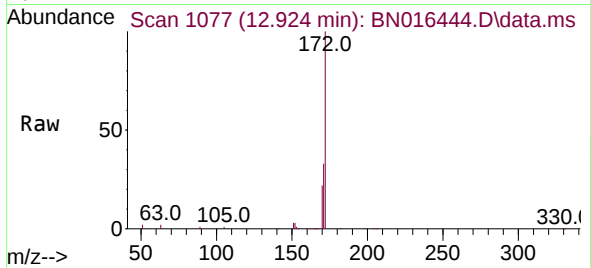




#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 12.924 min Scan# 1077
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

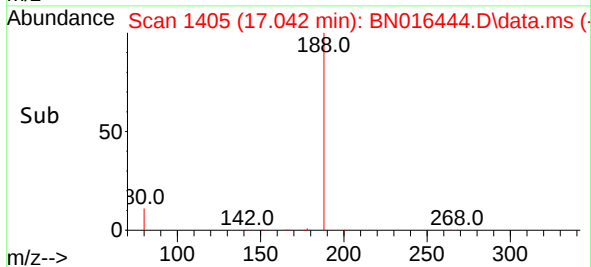
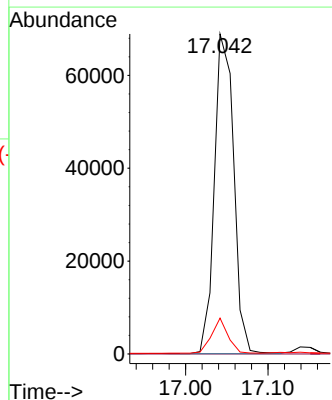
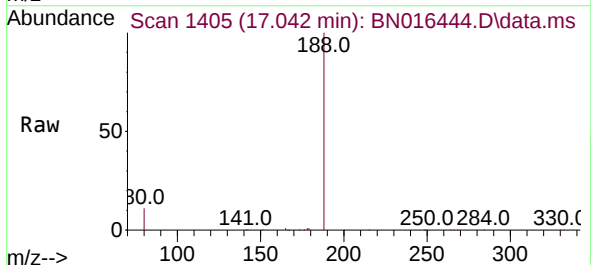
Instrument :
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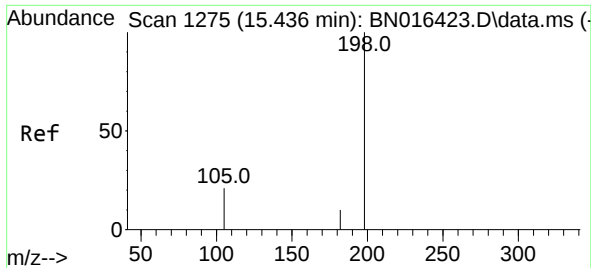
Tgt Ion:172 Resp: 57081
Ion Ratio Lower Upper
172 100
171 33.3 27.8 41.6
170 21.5 18.2 27.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:188 Resp: 111984
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 7.0 10.6#

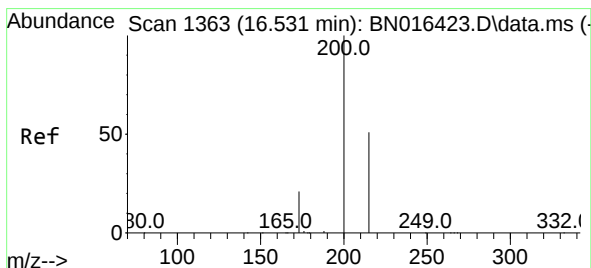
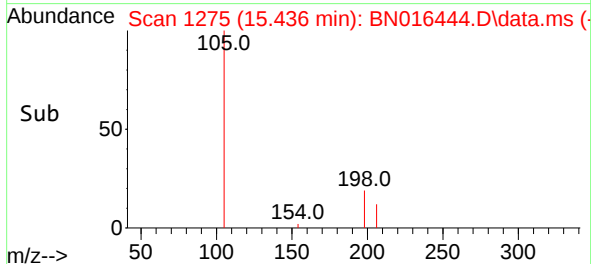
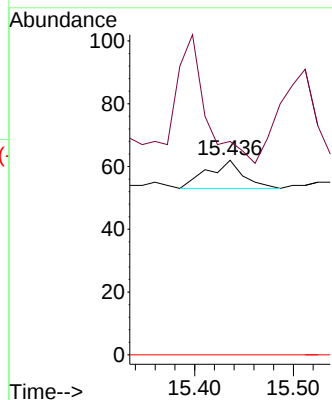
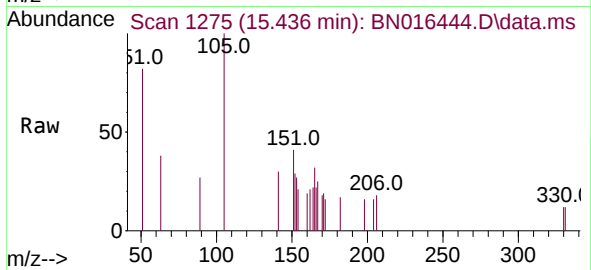




#20
4,6-Dinitro-2-methylphenol
Concen: 0.149 ng
RT: 15.436 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

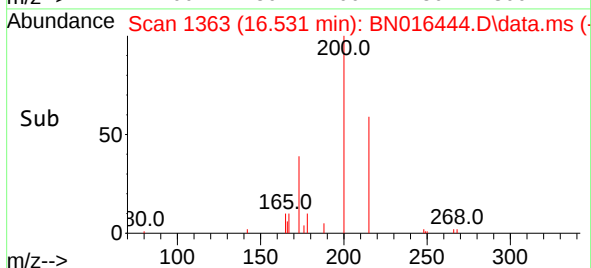
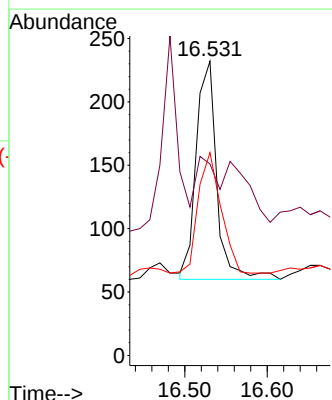
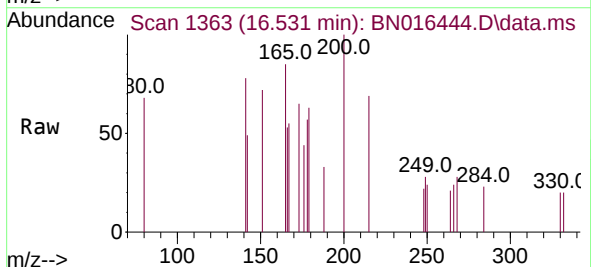
Instrument :
BNA_N
ClientSampleId :

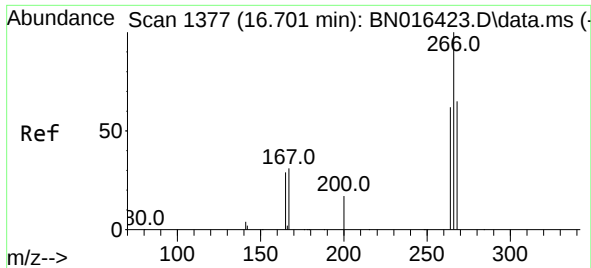
Tgt Ion:198 Resp: 23
Ion Ratio Lower Upper
198 100
182 109.7 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.140 ng
RT: 16.531 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:200 Resp: 299
Ion Ratio Lower Upper
200 100
173 65.1 18.7 28.1#
215 69.0 41.6 62.4#

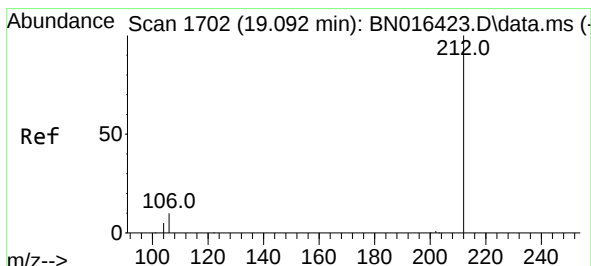
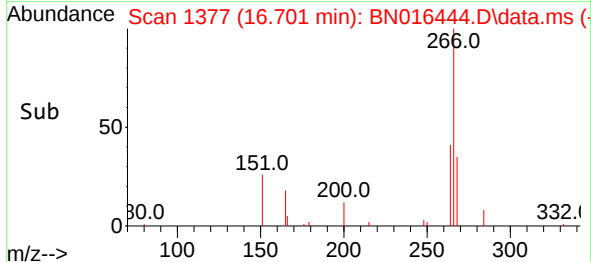
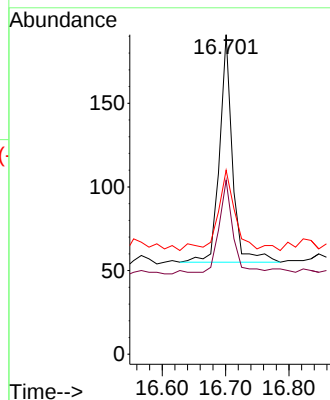
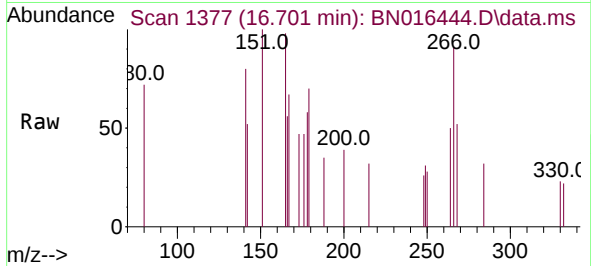




#24
 Pentachlorophenol
 Concen: 0.250 ng
 RT: 16.701 min Scan# 1377
 Delta R.T. -0.000 min
 Lab File: BN016444.D
 Acq: 24 Sep 2021 19:11

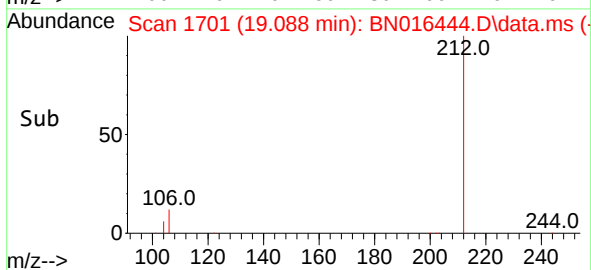
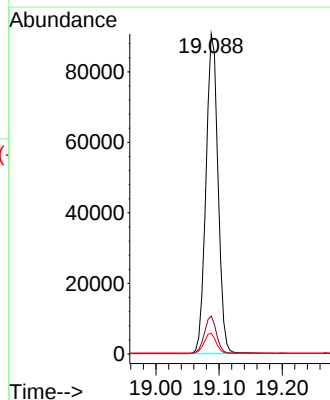
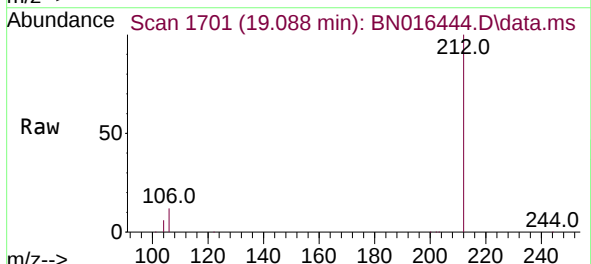
Instrument :
 BNA_N
 ClientSampled :

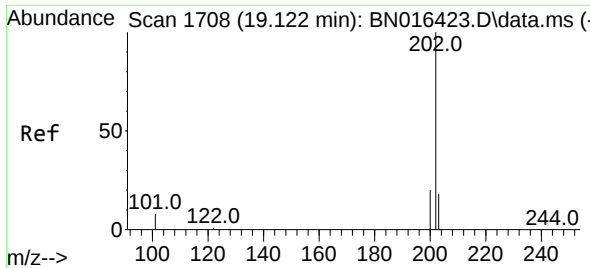
Tgt Ion:	266	Resp:	192
Ion Ratio	Lower	Upper	
266	100		
264	42.2	50.6	75.8#
268	47.9	52.6	79.0#



#27
 Fluoranthene-d10
 Concen: 0.391 ng
 RT: 19.088 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016444.D
 Acq: 24 Sep 2021 19:11

Tgt Ion:	212	Resp:	120083
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.8	14.6
104	6.3	5.4	8.2

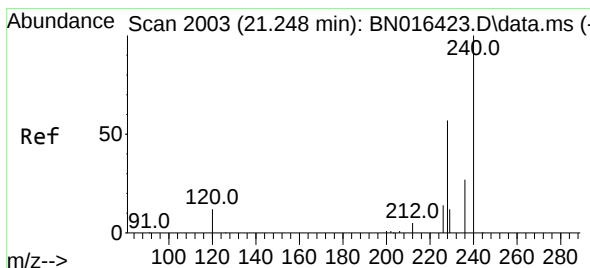
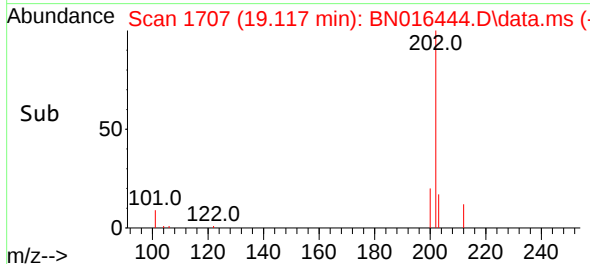
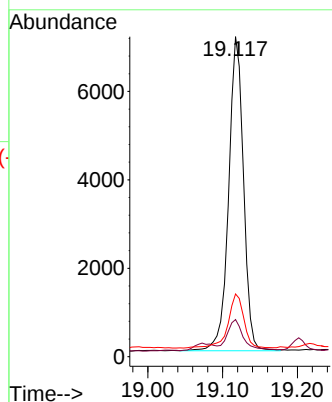
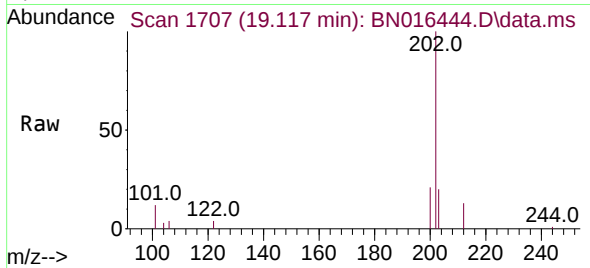




#28
Fluoranthene
Concen: 0.027 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

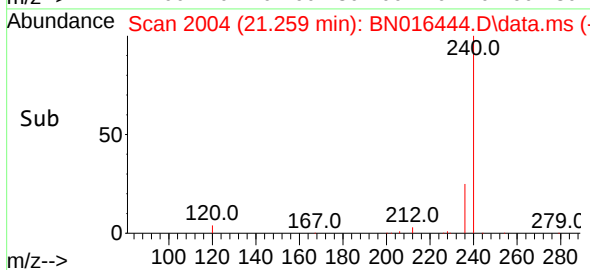
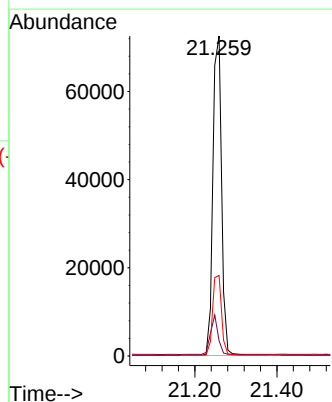
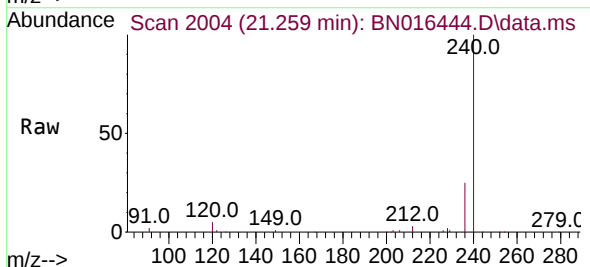
Instrument :
BNA_N
ClientSampleId :

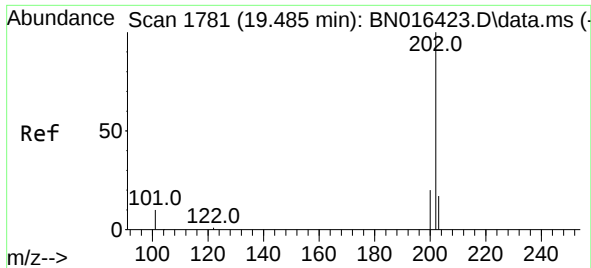
Tgt Ion:202 Resp: 9805
Ion Ratio Lower Upper
202 100
101 9.8 8.5 12.7
203 18.5 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:240 Resp: 106141
Ion Ratio Lower Upper
240 100
120 4.8 5.3 7.9#
236 25.2 19.8 29.8

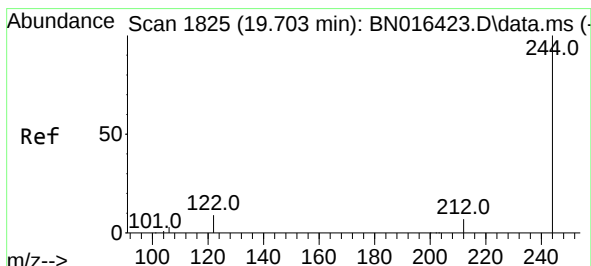
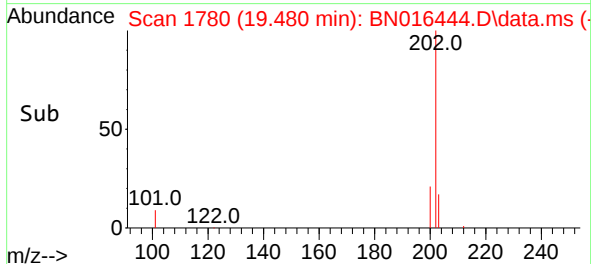
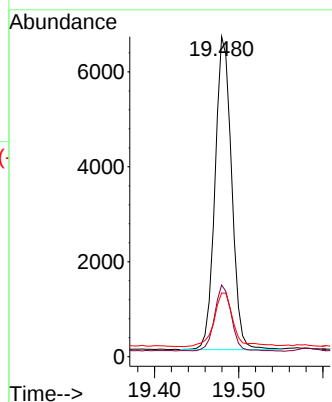
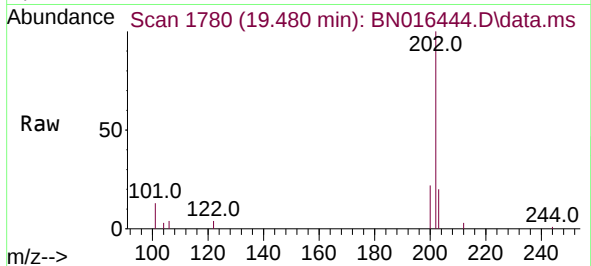




#30
Pyrene
Concen: 0.027 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

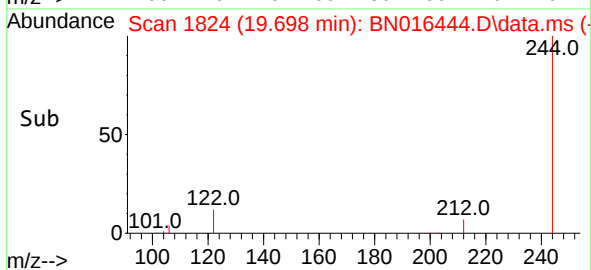
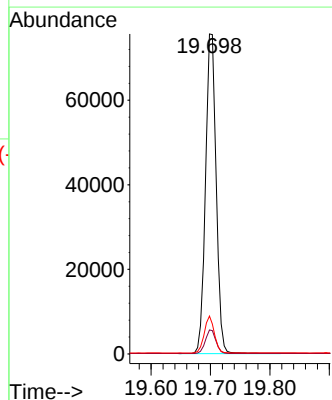
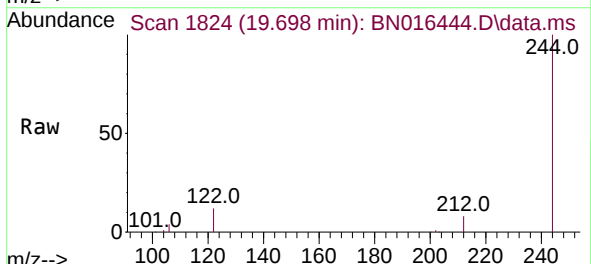
Instrument :
BNA_N
ClientSampled :

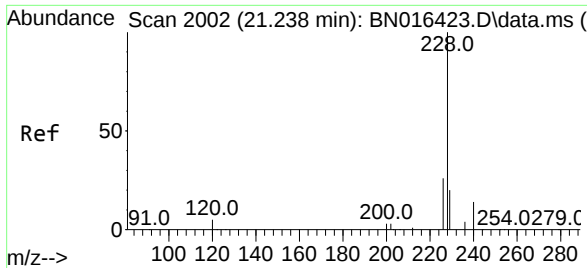
Tgt Ion:202	Resp:	9016
Ion Ratio	Lower	Upper
202	100	
200	21.4	15.8 23.6
203	20.1	13.9 20.9



#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:244	Resp:	94023
Ion Ratio	Lower	Upper
244	100	
212	7.5	5.5 8.3
122	11.9	9.0 13.4

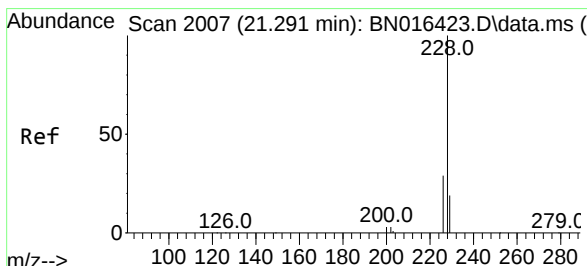
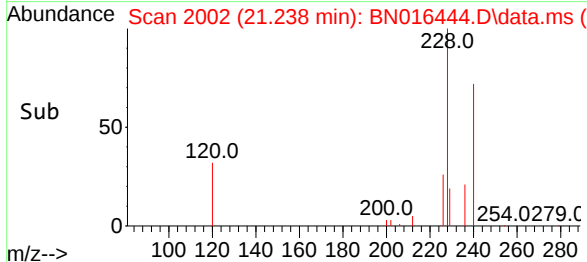
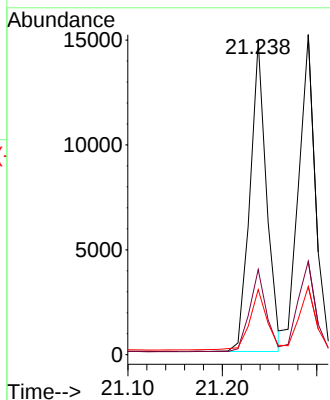
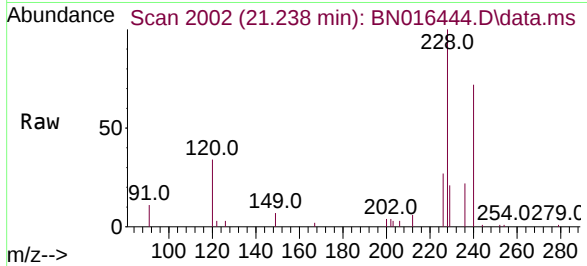




#32
Benzo(a)anthracene
Concen: 0.059 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

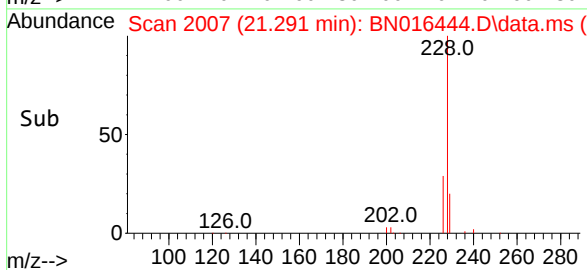
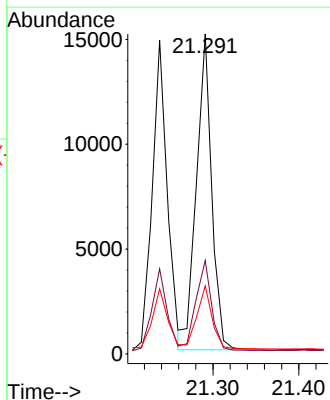
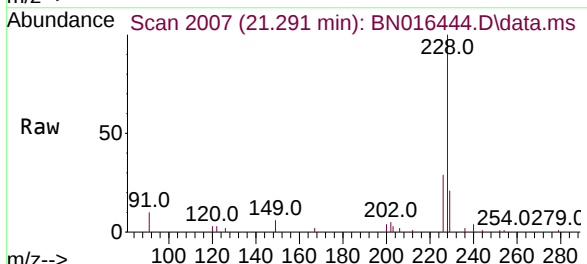
Instrument :
BNA_N
ClientSampled :

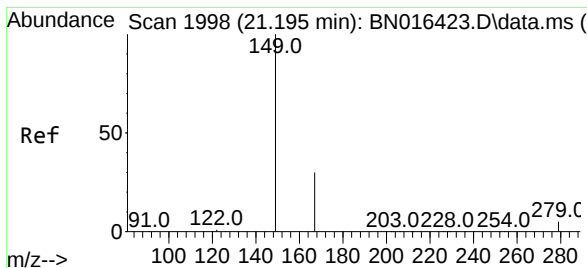
Tgt Ion:228 Resp: 18082
Ion Ratio Lower Upper
228 100
226 27.1 20.8 31.2
229 20.8 15.8 23.6



#33
Chrysene
Concen: 0.056 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:228 Resp: 18551
Ion Ratio Lower Upper
228 100
226 29.2 23.0 34.4
229 21.3 15.6 23.4

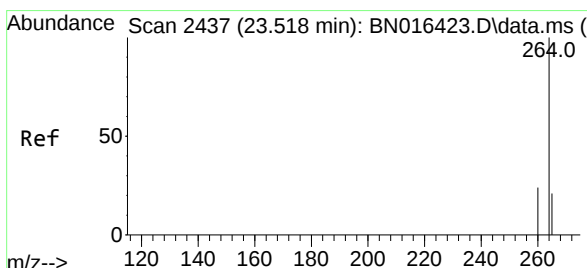
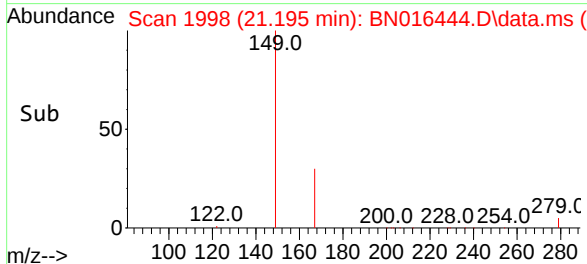
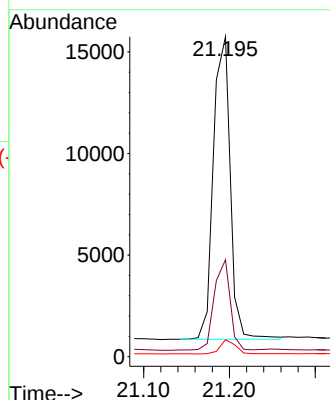
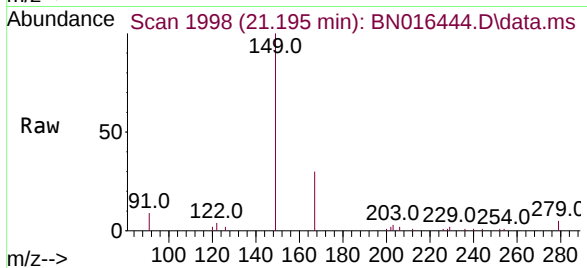




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.242 ng
 RT: 21.195 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: BN016444.D
 Acq: 24 Sep 2021 19:11

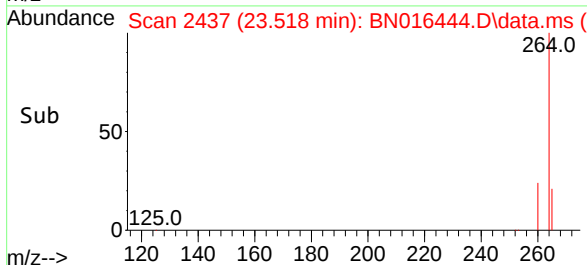
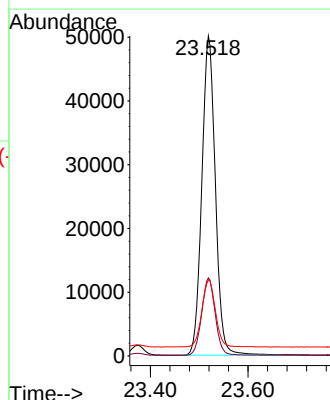
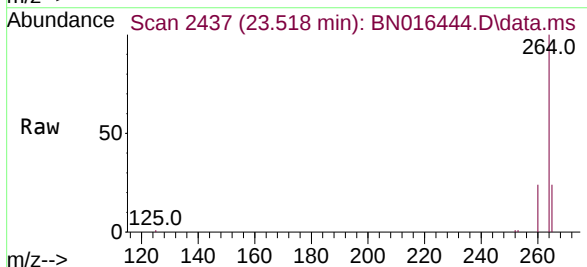
Instrument :
 BNA_N
 ClientSampleId :

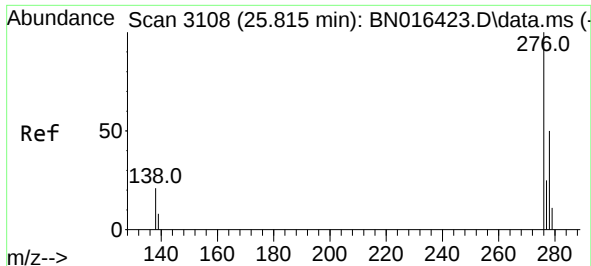
Tgt Ion:149	Resp:	20334
Ion Ratio	Lower	Upper
149	100	
167	28.4	23.4 35.0
279	4.4	3.9 5.9



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.518 min Scan# 2437
 Delta R.T. 0.000 min
 Lab File: BN016444.D
 Acq: 24 Sep 2021 19:11

Tgt Ion:264	Resp:	96335
Ion Ratio	Lower	Upper
264	100	
260	24.4	18.9 28.3
265	23.9	23.7 35.5

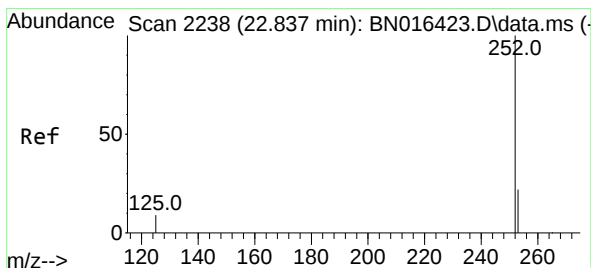
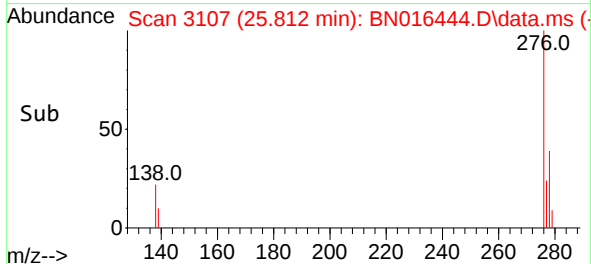
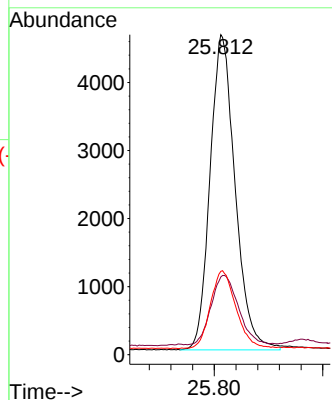
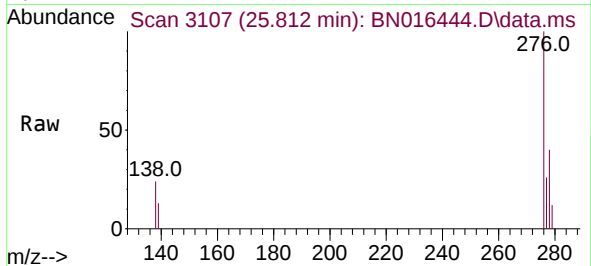




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng
RT: 25.812 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

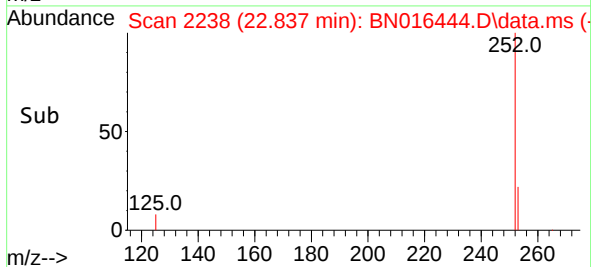
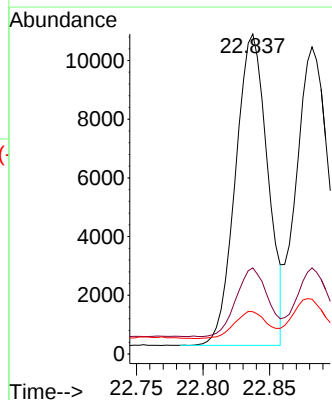
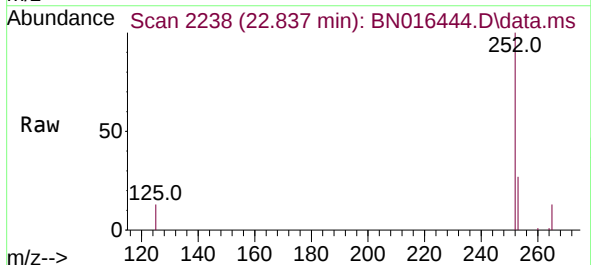
Instrument :
BNA_N
ClientSampleId :

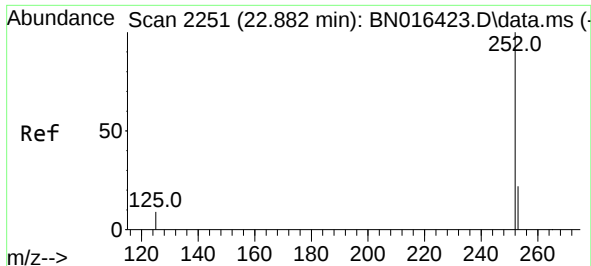
Tgt Ion:276 Resp: 14864
Ion Ratio Lower Upper
276 100
138 23.9 19.3 28.9
277 24.8 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.055 ng
RT: 22.837 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:252 Resp: 17832
Ion Ratio Lower Upper
252 100
253 26.9 18.2 27.2
125 13.2 8.4 12.6#

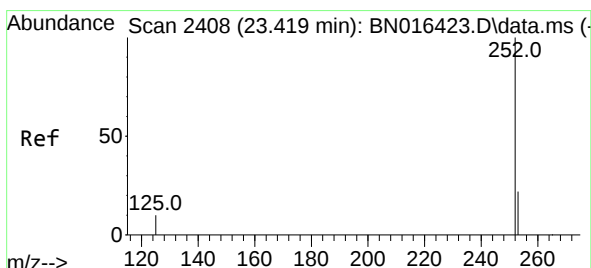
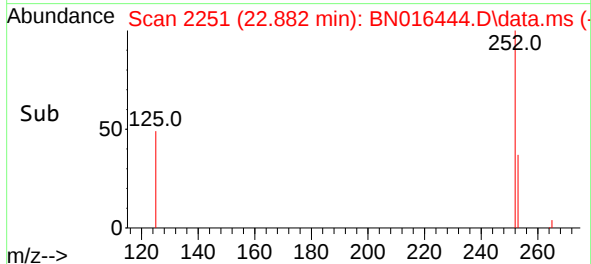
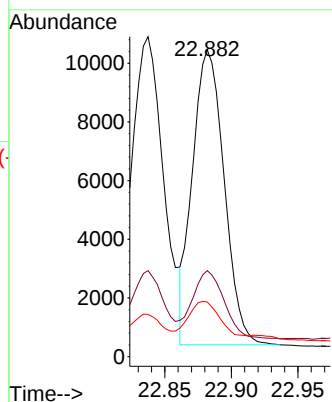
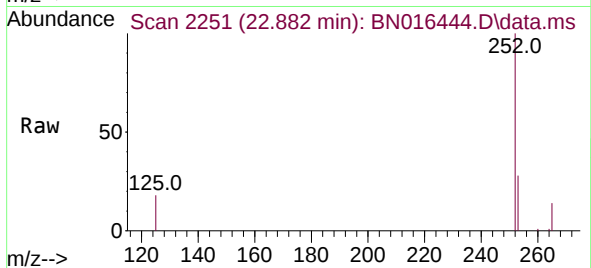




#38
Benzo(k)fluoranthene
Concen: 0.053 ng
RT: 22.882 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

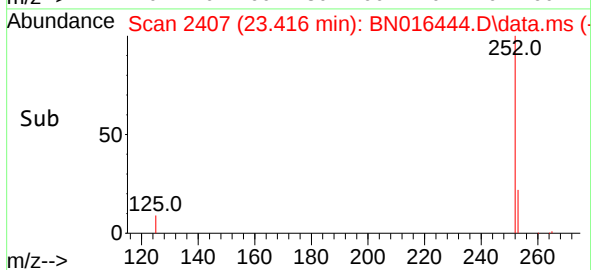
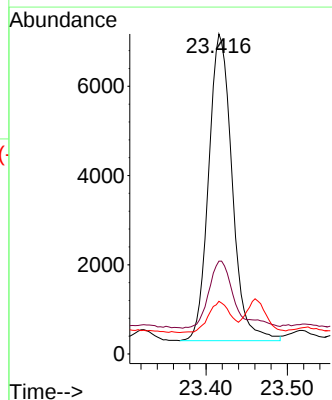
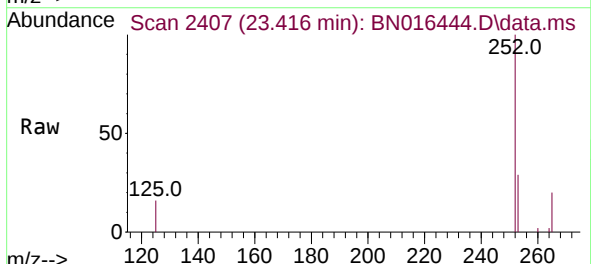
Instrument :
BNA_N
ClientSampled :

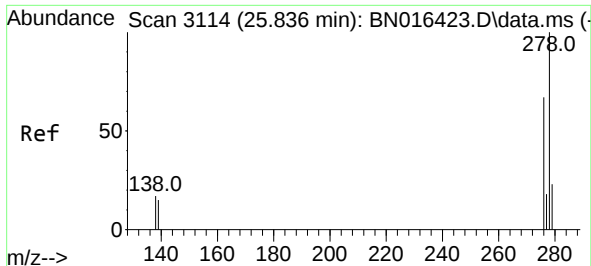
Tgt Ion:252 Resp: 16611
Ion Ratio Lower Upper
252 100
253 28.0 18.2 27.2#
125 17.8 8.2 12.4#



#39
Benzo(a)pyrene
Concen: 0.053 ng
RT: 23.416 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BN016444.D
Acq: 24 Sep 2021 19:11

Tgt Ion:252 Resp: 13781
Ion Ratio Lower Upper
252 100
253 29.0 18.7 28.1#
125 16.4 9.9 14.9#





#40

Dibenzo(a,h)anthracene

Concen: 0.046 ng

RT: 25.839 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BN016444.D

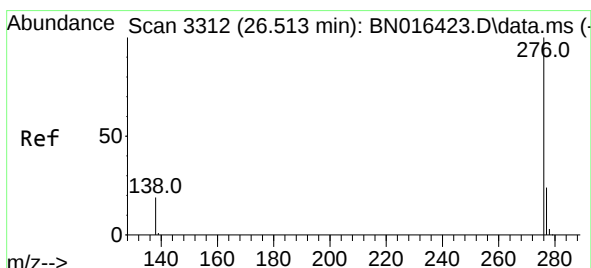
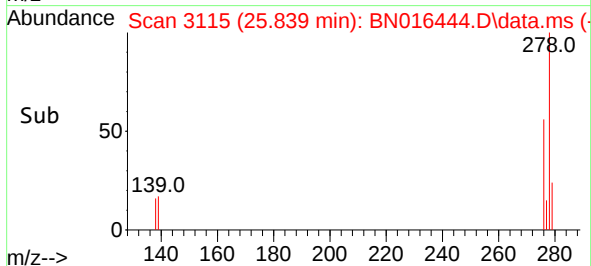
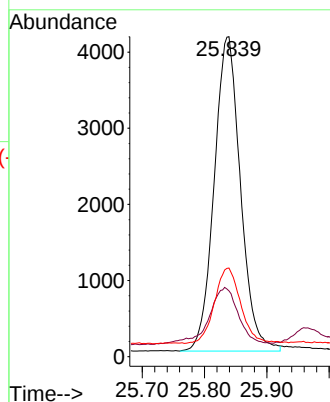
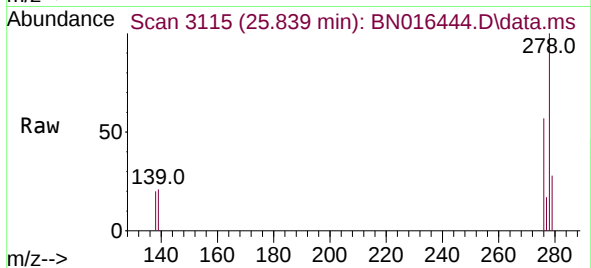
Acq: 24 Sep 2021 19:11

Tgt Ion:	278	Resp:	12106
Ion Ratio	Lower	Upper	
278	100		
139	20.6	14.2	21.2
279	27.7	21.3	31.9

Instrument :

BNA_N

ClientSampleId :



#41

Benzo(g,h,i)perylene

Concen: 0.043 ng

RT: 26.517 min Scan# 3313

Delta R.T. 0.003 min

Lab File: BN016444.D

Acq: 24 Sep 2021 19:11

Tgt Ion:	276	Resp:	11847
Ion Ratio	Lower	Upper	
276	100		
277	25.6	20.5	30.7
138	23.1	18.2	27.4

