

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016530.D
 Acq On : 27 Sep 2021 03:51
 Operator : CG/JU
 Sample : M3945-10
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 05:33:42 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

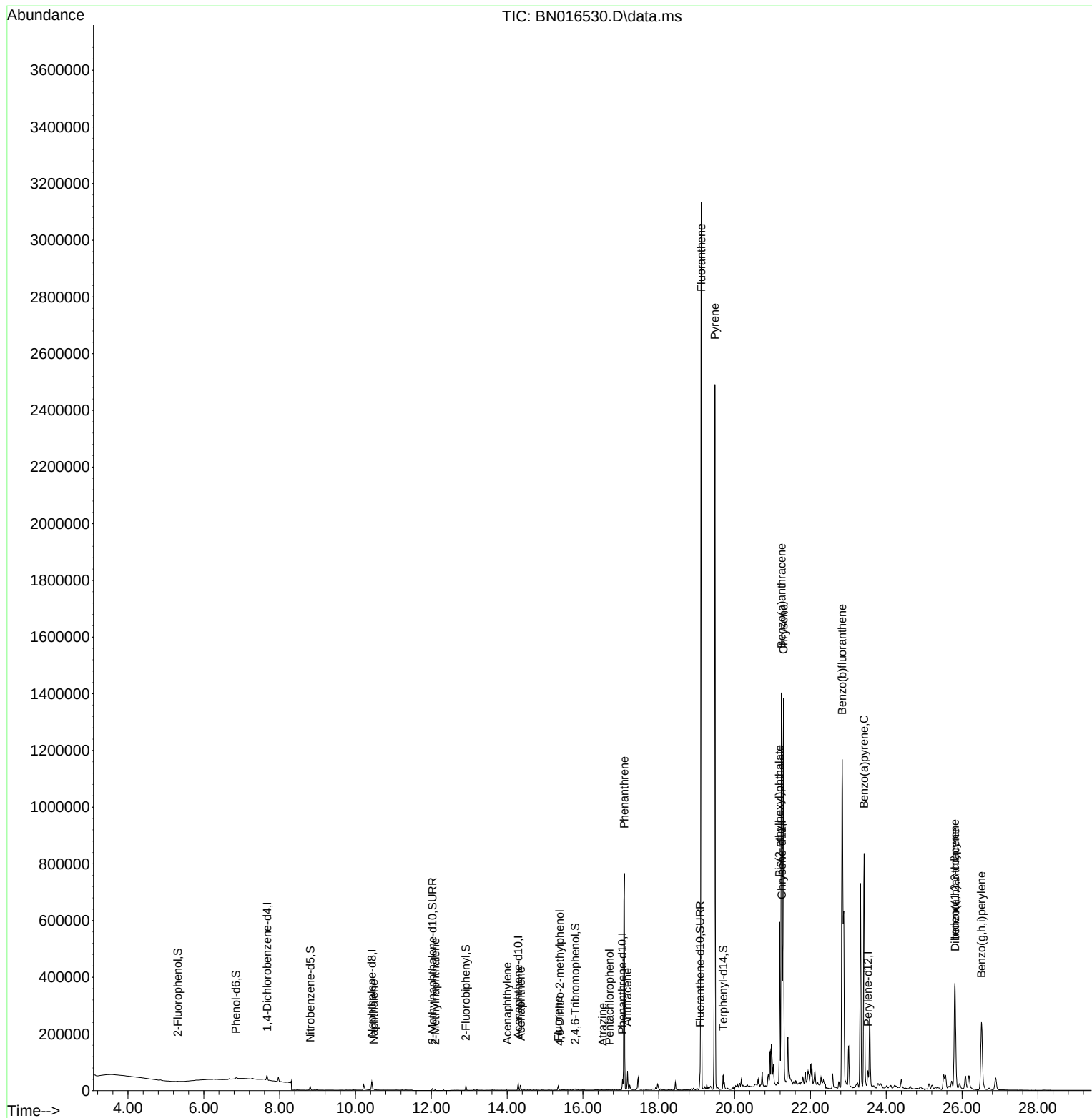
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	10161	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	35454	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	10487	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	47428	0.400	ng	0.00
29) Chrysene-d12	21.249	240	95891	0.400	ng	# 0.00
35) Perylene-d12	23.515	264	74845	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.310	112	888	0.039	ng	0.03
5) Phenol-d6	6.849	99	2865	0.106	ng	0.00
8) Nitrobenzene-d5	8.810	82	9444	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	9405	0.179	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1254	0.446	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	13693	0.311	ng	-0.01
27) Fluoranthene-d10	19.088	212	64614	0.496	ng	0.00
31) Terphenyl-d14	19.698	244	49685	0.223	ng	0.00
Target Compounds						
9) Naphthalene	10.483	128	4361	0.046	ng	# 93
12) 2-Methylnaphthalene	12.101	142	1764	0.029	ng	# 90
16) Acenaphthylene	14.002	152	4427	0.104	ng	96
17) Acenaphthene	14.358	154	6880	0.227	ng	# 52
18) Fluorene	15.347	166	8645	0.238	ng	95
20) 4,6-Dinitro-2-methylph...	15.385	198	7	0.149	ng	# 1
23) Atrazine	16.519	200	14	0.136	ng	# 6
24) Pentachlorophenol	16.701	266	47	0.248	ng	# 78
25) Phenanthrene	17.091	178	831794	5.893	ng	99
26) Anthracene	17.176	178	60292	0.513	ng	96
28) Fluoranthene	19.118	202	2697892	17.441	ng	98
30) Pyrene	19.480	202	2273981	7.574	ng	# 94
32) Benzo(a)anthracene	21.238	228	1272449	4.576	ng	97
33) Chrysene	21.291	228	1321696	4.424	ng	98
34) Bis(2-ethylhexyl)phtha...	21.185	149	486179	6.413	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.809	276	600128	2.475	ng	95
37) Benzo(b)fluoranthene	22.838	252	1918544	7.672	ng	99
39) Benzo(a)pyrene	23.416	252	1143738	5.610	ng	97
40) Dibenzo(a,h)anthracene	25.819	278	135598	0.656	ng	96
41) Benzo(g,h,i)perylene	26.510	276	514930	2.428	ng	96

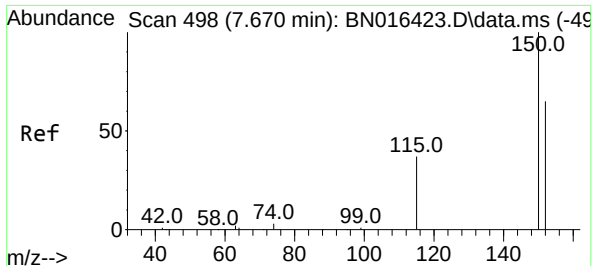
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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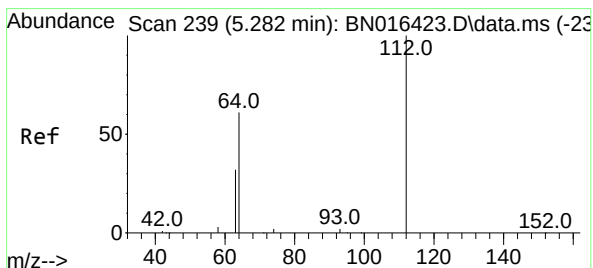
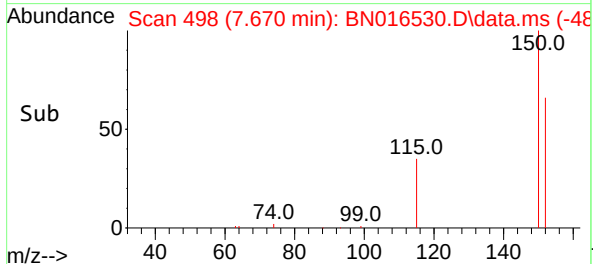
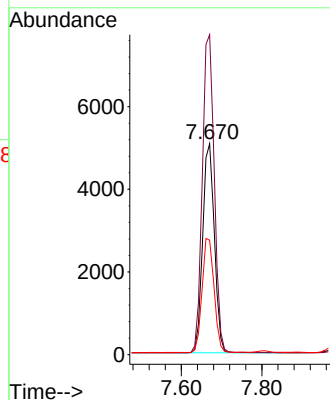
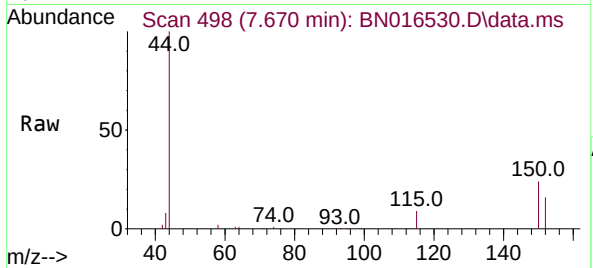




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. 0.000 min
 Lab File: BN016530.D
 Acq: 27 Sep 2021 03:51

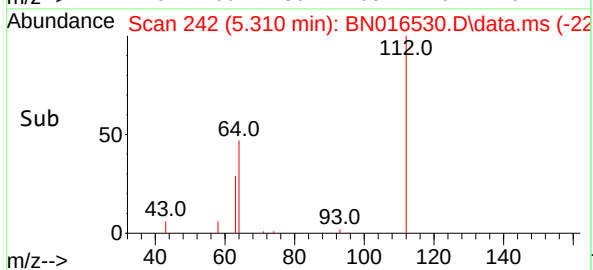
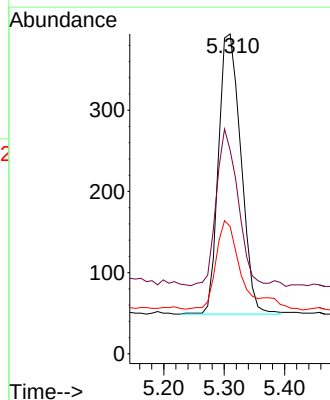
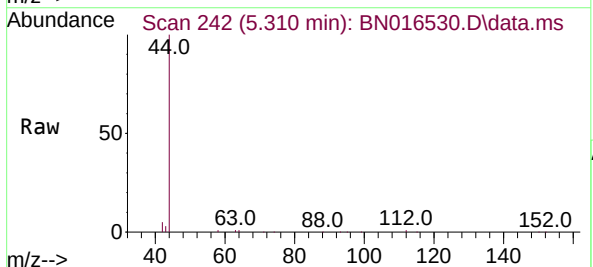
Instrument :
 BNA_N
 ClientSampled :

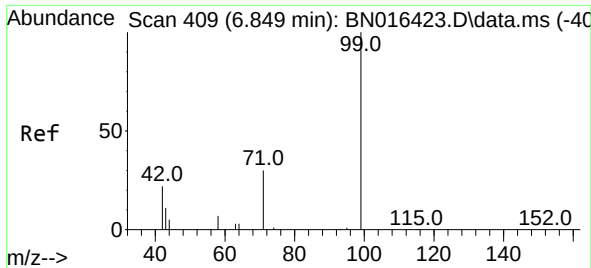
Tgt Ion:152 Resp: 10161
 Ion Ratio Lower Upper
 152 100
 150 151.7 125.6 188.4
 115 54.3 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.039 ng
 RT: 5.310 min Scan# 242
 Delta R.T. 0.028 min
 Lab File: BN016530.D
 Acq: 27 Sep 2021 03:51

Tgt Ion:112 Resp: 888
 Ion Ratio Lower Upper
 112 100
 64 53.6 47.3 70.9
 63 35.0 23.4 35.0

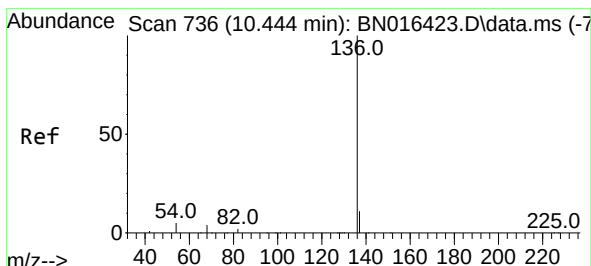
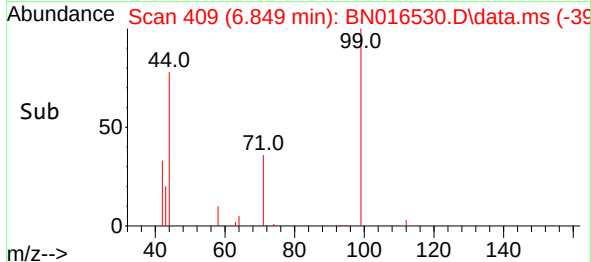
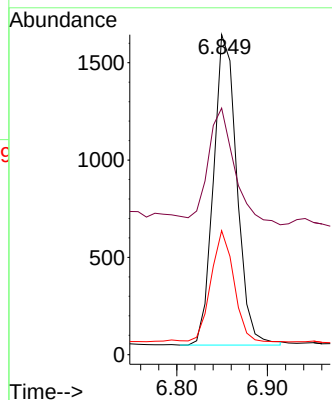
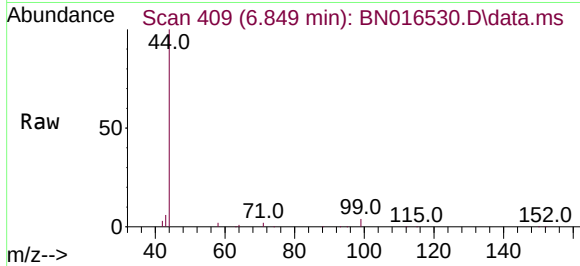




#5
Phenol-d6
Concen: 0.106 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

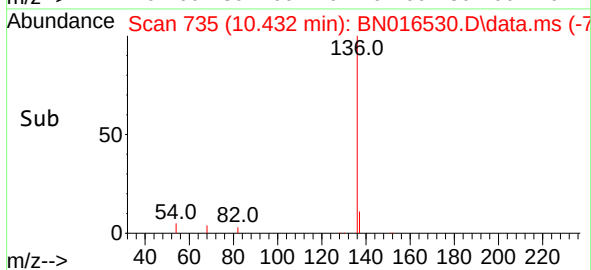
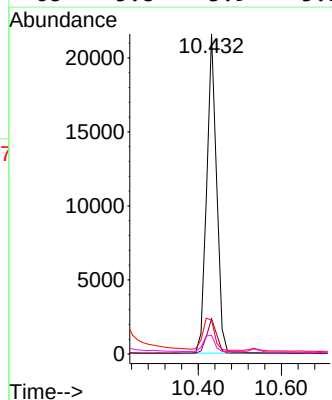
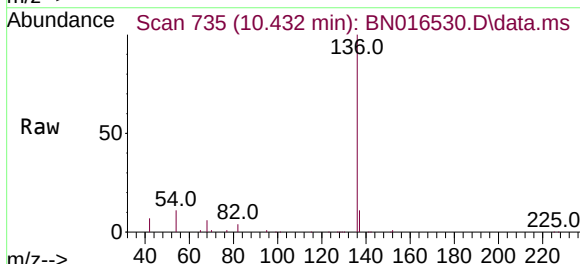
Instrument :
BNA_N
ClientSampled :

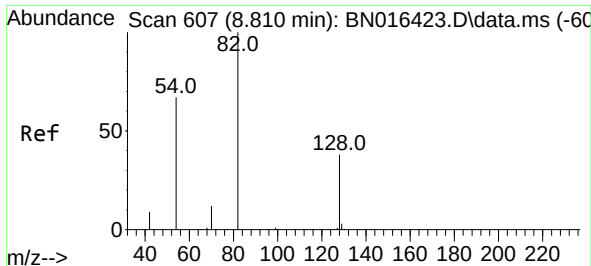
Tgt Ion: 99 Resp: 2865
Ion Ratio Lower Upper
99 100
42 42.7 14.0 21.0#
71 35.1 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion: 136 Resp: 35454
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.5 5.3 7.9#
68 5.8 3.9 5.9

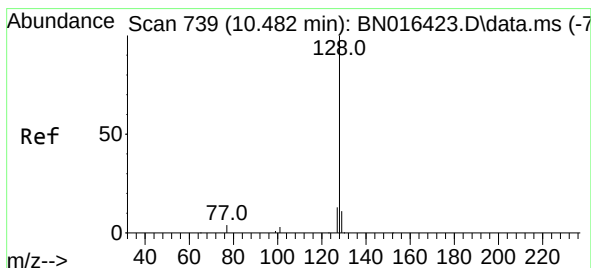
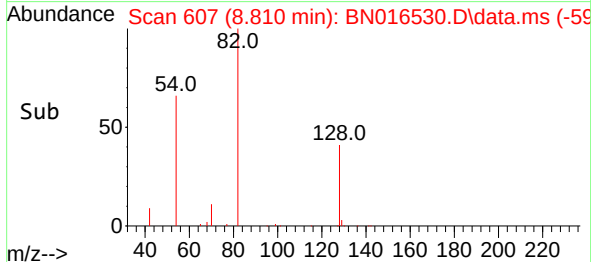
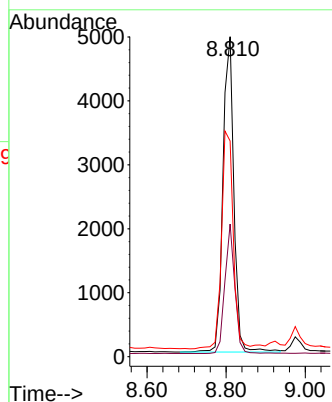
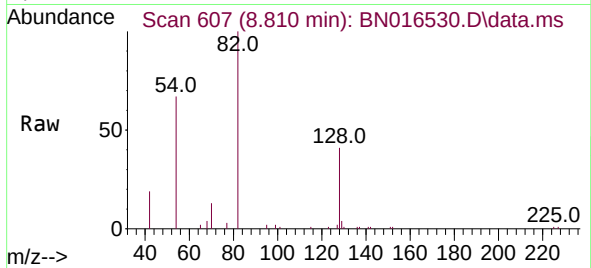




#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

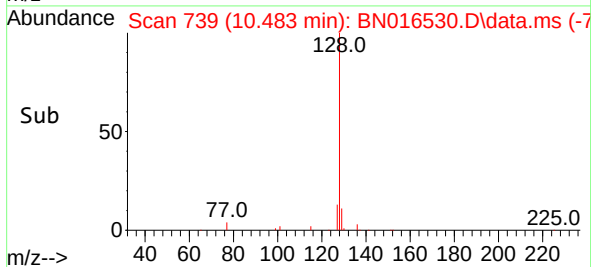
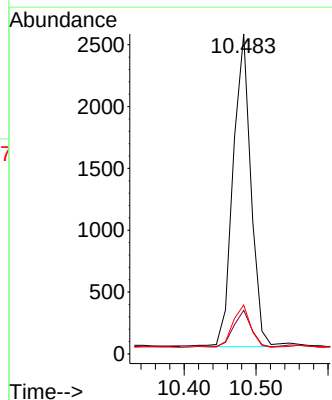
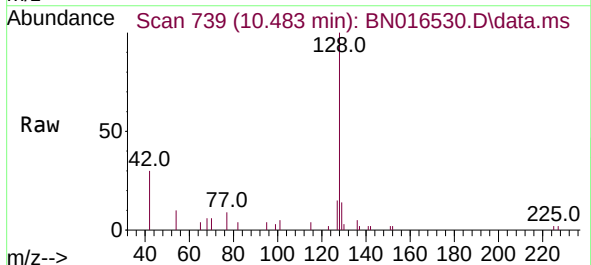
Instrument :
BNA_N
ClientSampleId :

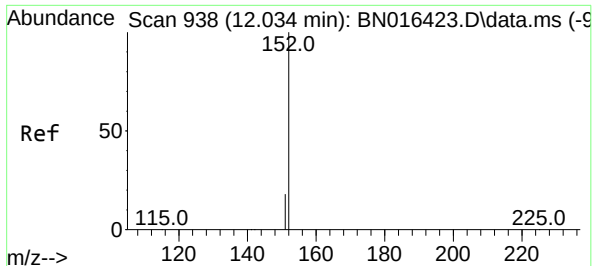
Tgt Ion: 82 Resp: 9444
Ion Ratio Lower Upper
82 100
128 41.5 31.7 47.5
54 67.4 46.4 69.6



#9
Naphthalene
Concen: 0.046 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion: 128 Resp: 4361
Ion Ratio Lower Upper
128 100
129 13.6 8.9 13.3#
127 15.3 10.1 15.1#

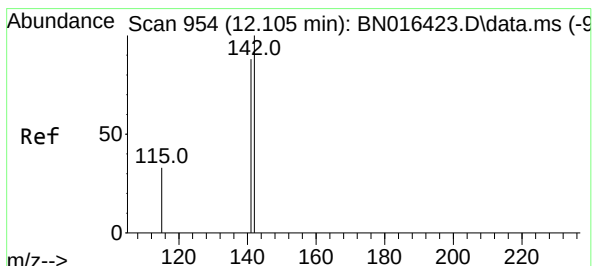
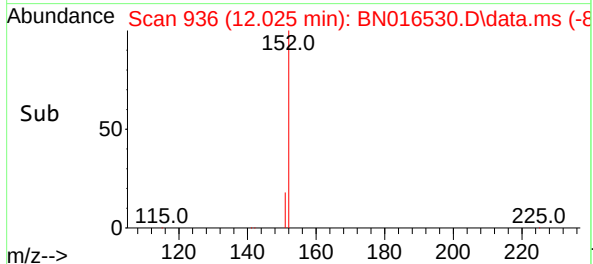
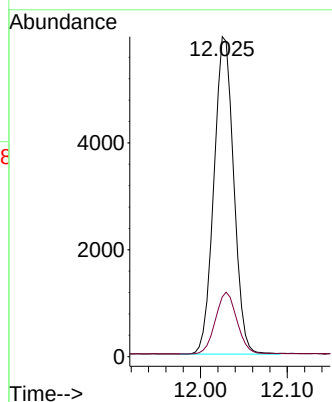
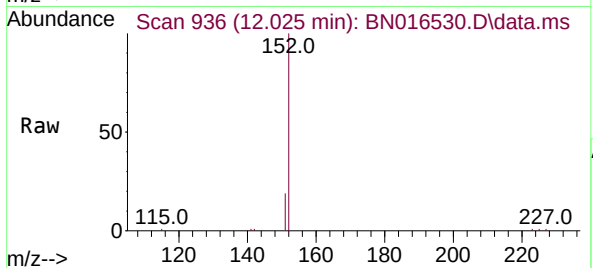




#11
2-Methylnaphthalene-d10
Concen: 0.179 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

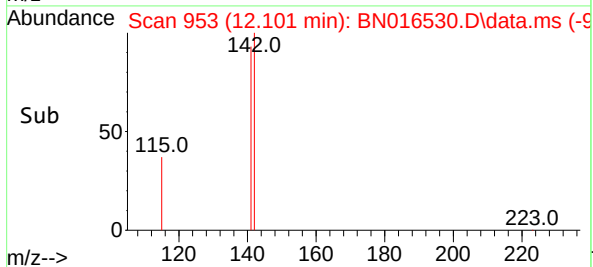
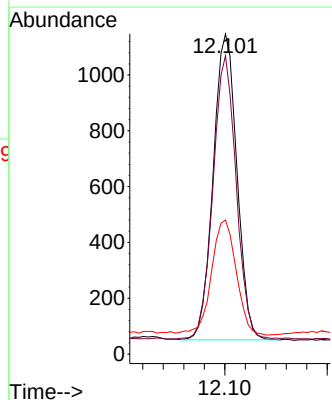
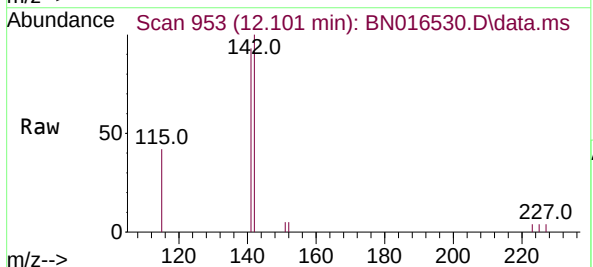
Instrument :
BNA_N
ClientSampleId :

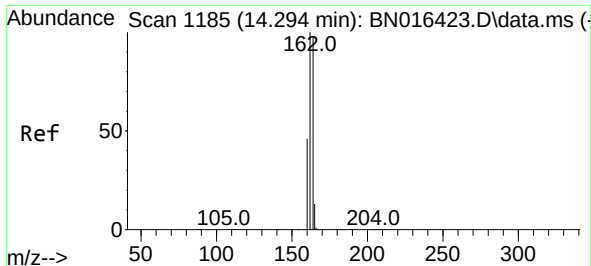
Tgt Ion:152 Resp: 9405
Ion Ratio Lower Upper
152 100
151 21.0 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 12.101 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion:142 Resp: 1764
Ion Ratio Lower Upper
142 100
141 93.2 69.8 104.8
115 41.8 24.4 36.6#

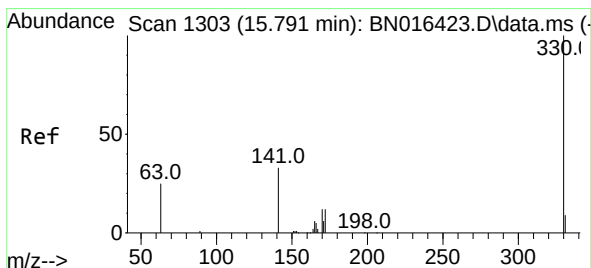
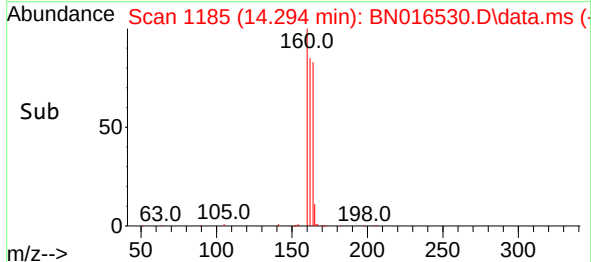
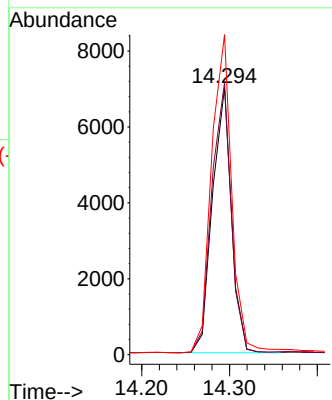
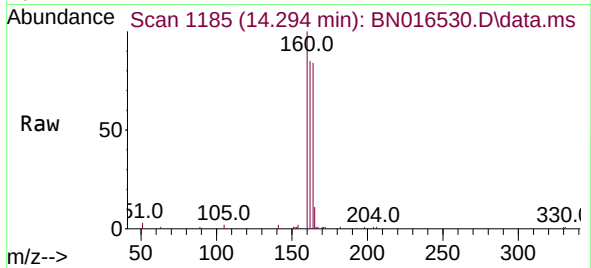




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

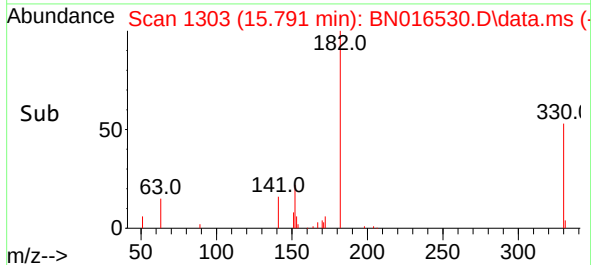
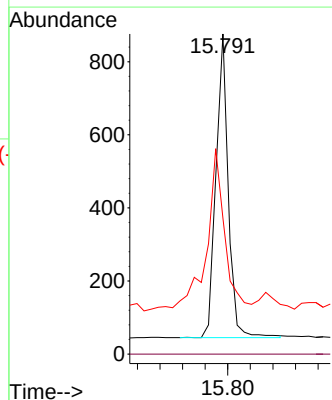
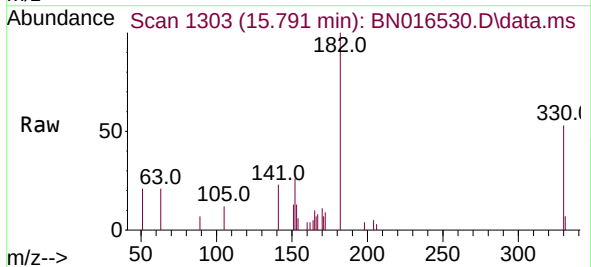
Instrument :
BNA_N
ClientSampled :

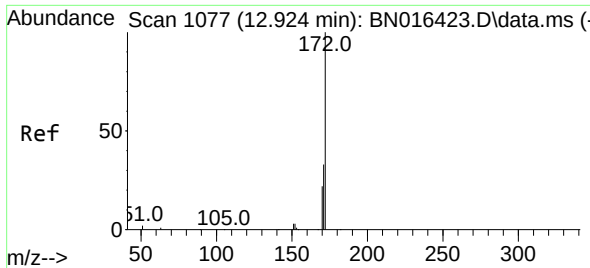
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.0	118.4
160	119.7	34.1	51.1#



#14
2,4,6-Tribromophenol
Concen: 0.446 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	65.9	25.0	37.4#

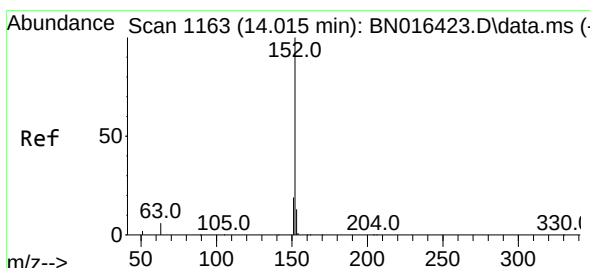
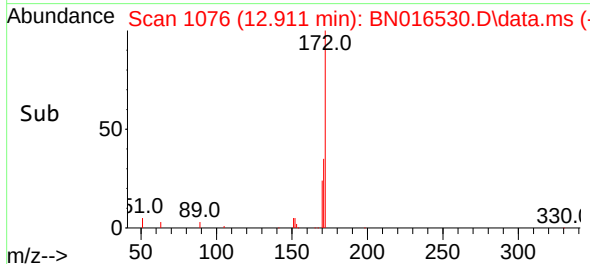
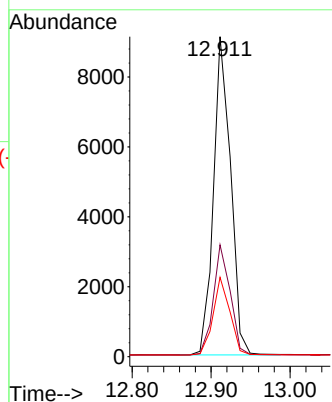
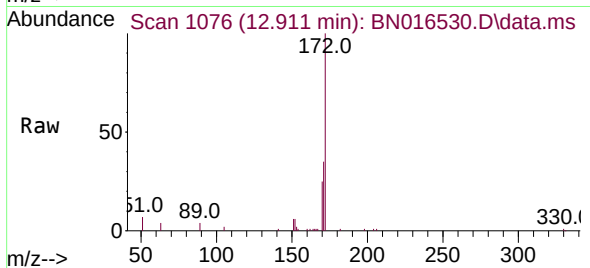




#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

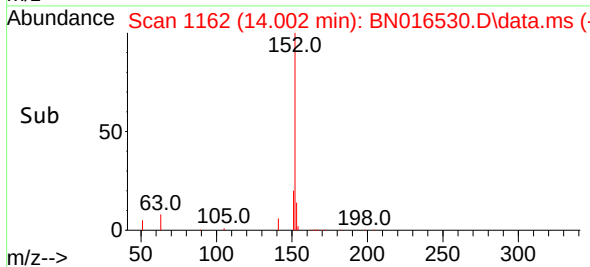
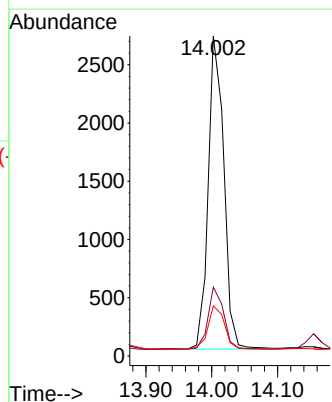
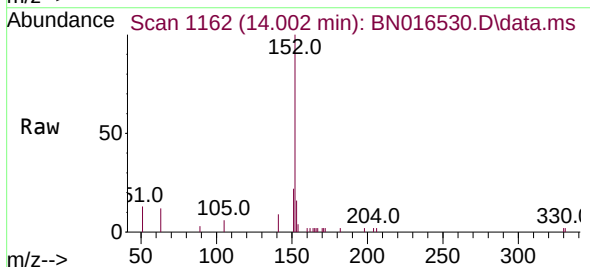
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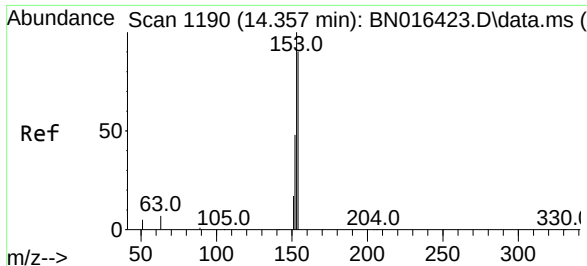
Tgt Ion:	172	Resp:	13693
Ion Ratio	Lower	Upper	
172	100		
171	35.0	27.8	41.6
170	24.8	18.2	27.2



#16
Acenaphthylene
Concen: 0.104 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion:	152	Resp:	4427
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.2	22.8
153	15.0	10.5	15.7

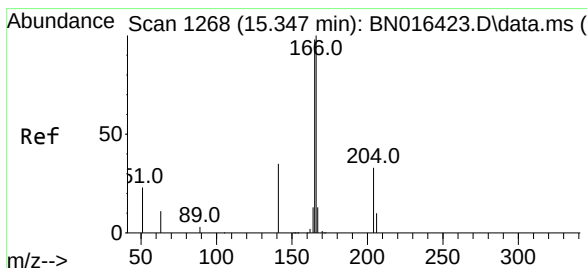
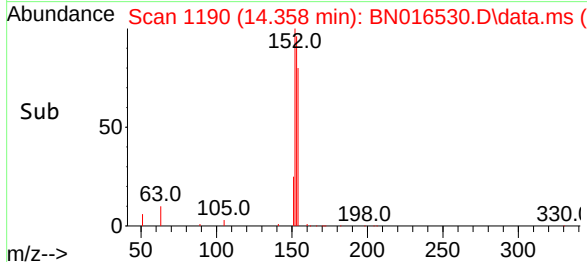
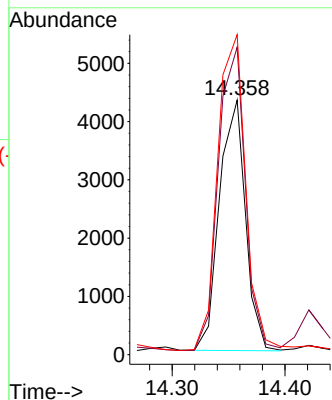
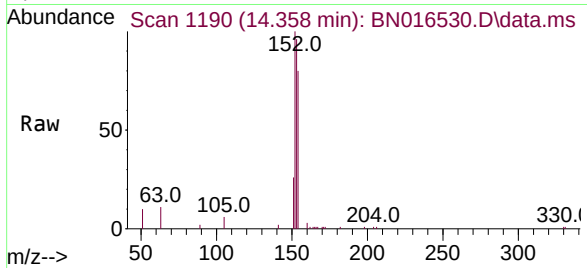




#17
Acenaphthene
Concen: 0.227 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

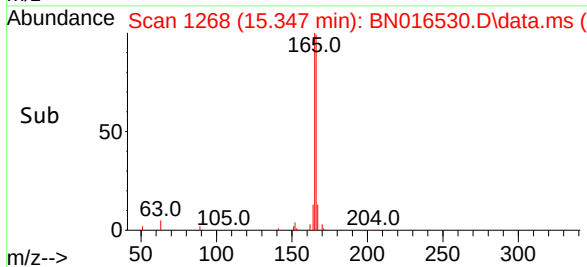
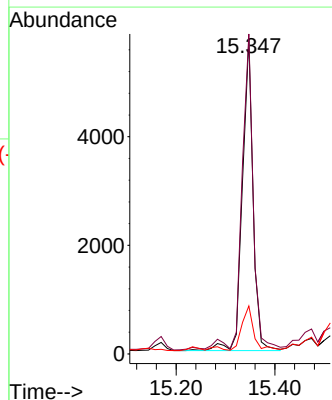
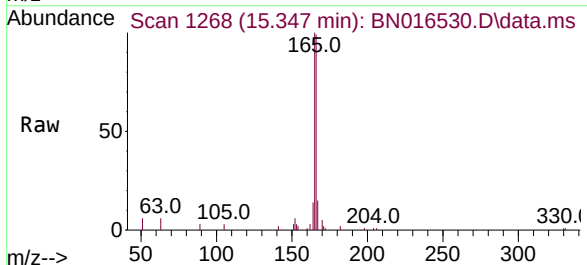
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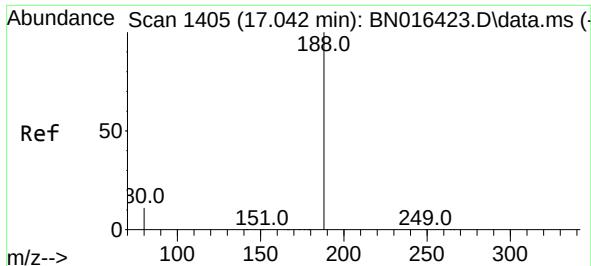
Tgt Ion:154 Resp: 6880
Ion Ratio Lower Upper
154 100
153 126.2 89.3 133.9
152 138.1 42.2 63.4#



#18
Fluorene
Concen: 0.238 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion:166 Resp: 8645
Ion Ratio Lower Upper
166 100
165 100.7 76.7 115.1
167 15.6 10.9 16.3

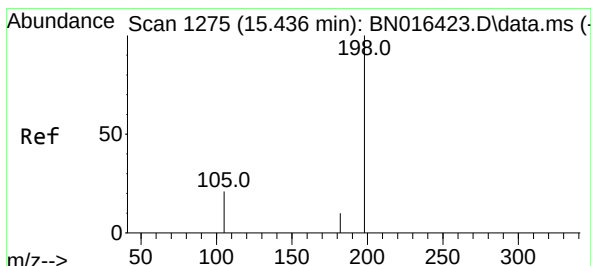
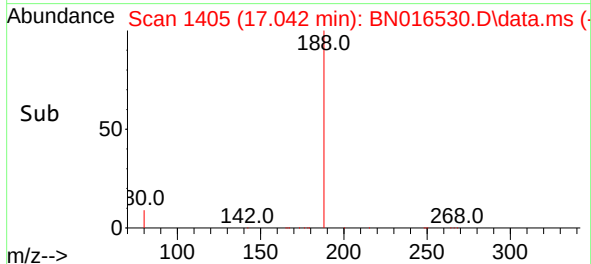
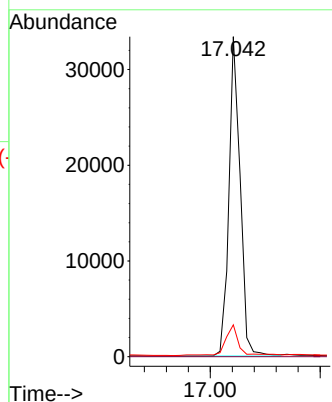
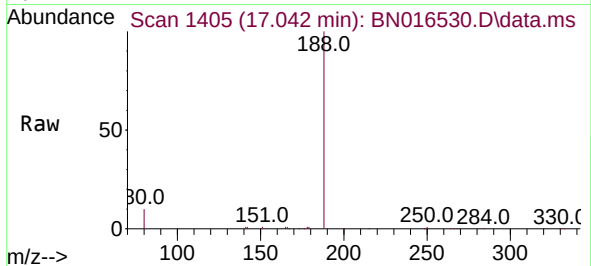




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

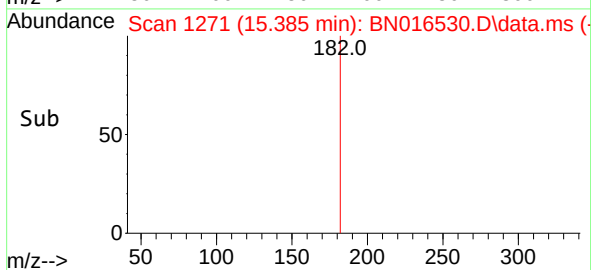
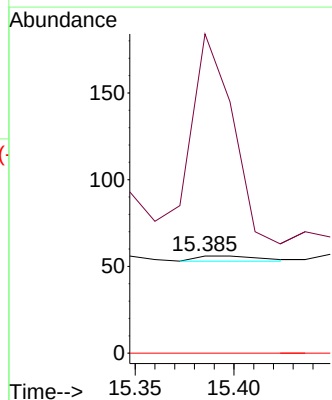
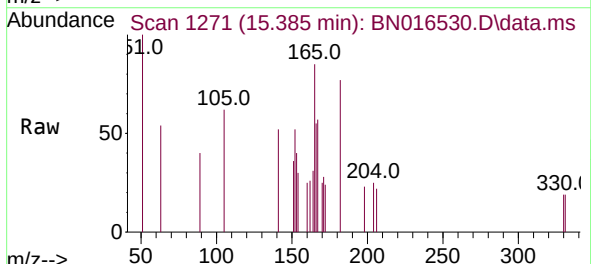
Instrument :
BNA_N
ClientSampleId :

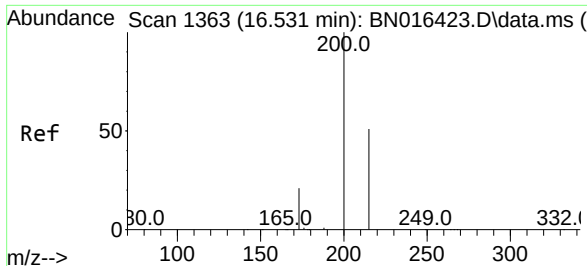
Tgt Ion:	188	Resp:	47428
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.9	7.0	10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.149 ng
RT: 15.385 min Scan# 1271
Delta R.T. -0.051 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

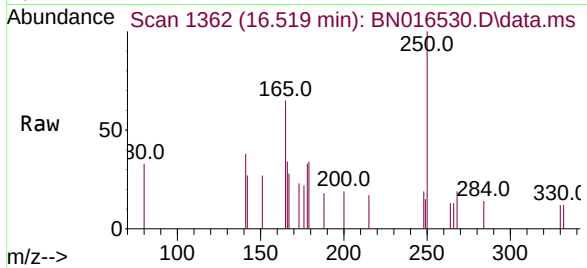
Tgt Ion:	198	Resp:	7
Ion Ratio	Lower	Upper	
198	100		
182	328.6	26.6	39.8#
77	0.0	0.0	0.0



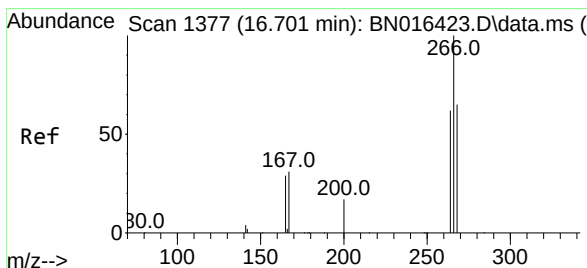
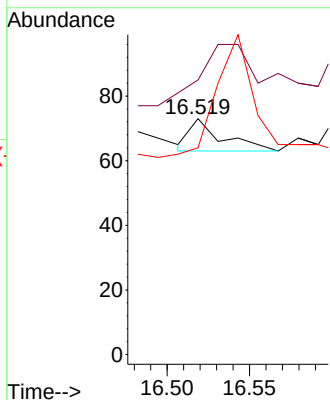
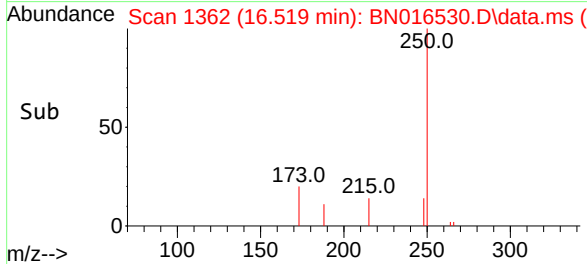


#23
Atrazine
Concen: 0.136 ng
RT: 16.519 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

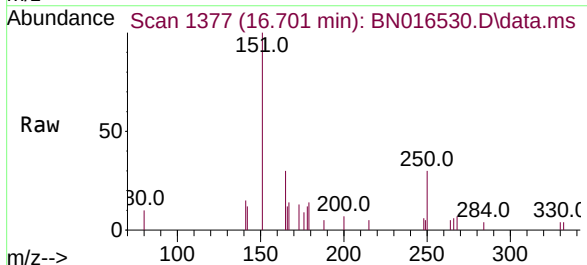
Instrument :
BNA_N
ClientSampleId :



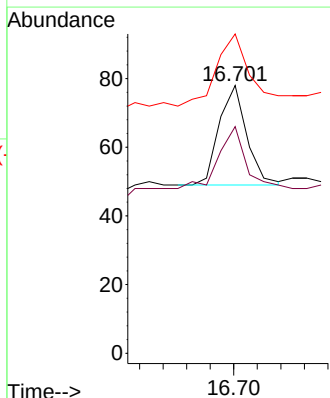
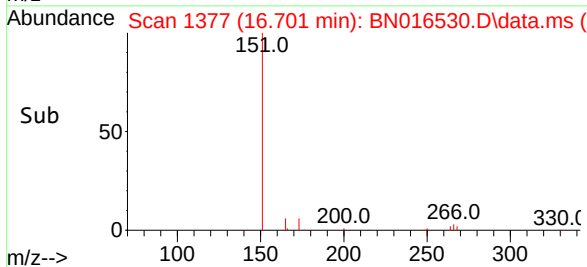
Tgt Ion:200 Resp: 14
Ion Ratio Lower Upper
200 100
173 116.4 18.7 28.1#
215 87.7 41.6 62.4#

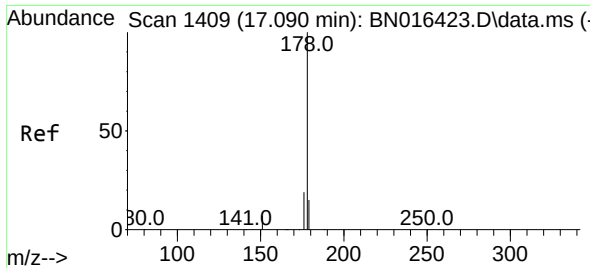


#24
Pentachlorophenol
Concen: 0.248 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51



Tgt Ion:266 Resp: 47
Ion Ratio Lower Upper
266 100
264 68.1 50.6 75.8
268 95.7 52.6 79.0#

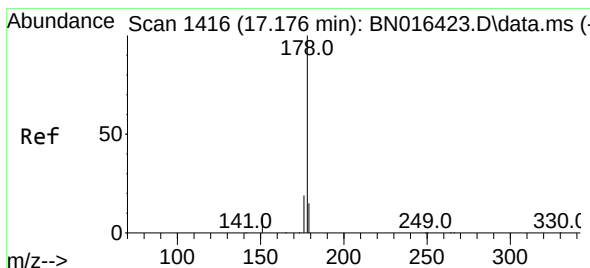
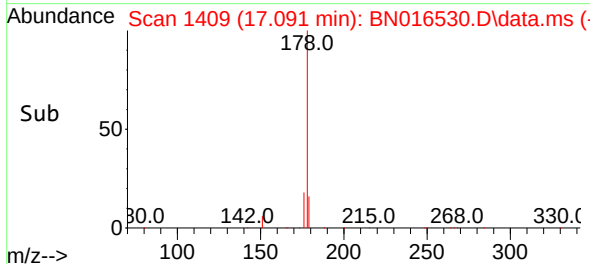
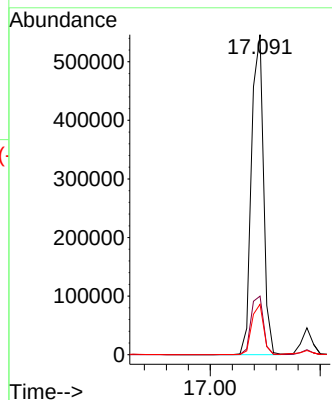
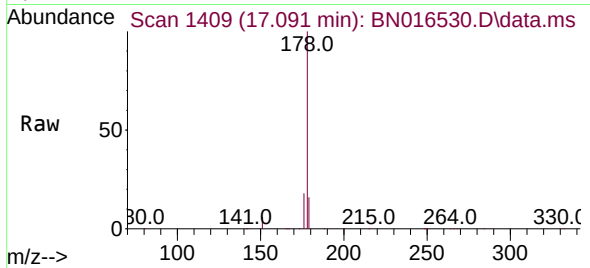




#25
Phenanthrene
Concen: 5.893 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

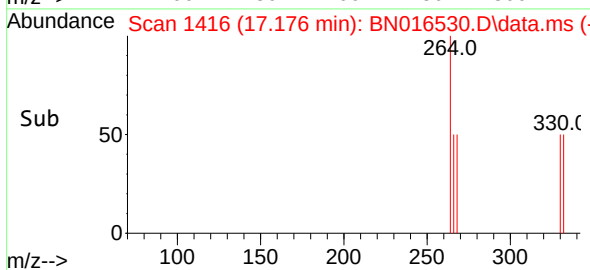
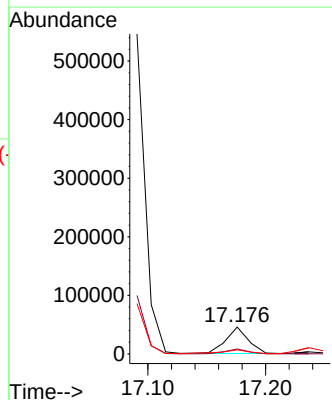
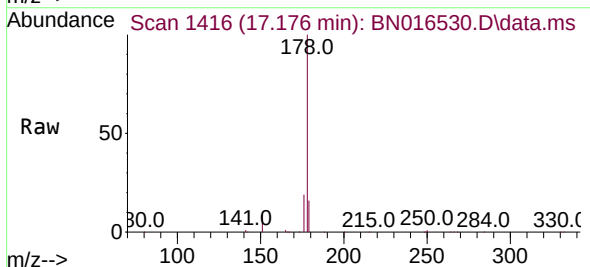
Instrument :
BNA_N
ClientSampleId :

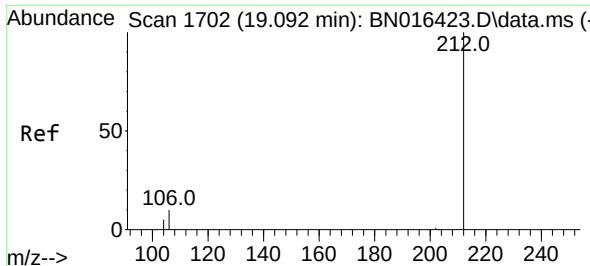
Tgt Ion:178 Resp: 831794
Ion Ratio Lower Upper
178 100
176 19.0 14.4 21.6
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.513 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion:178 Resp: 60292
Ion Ratio Lower Upper
178 100
176 18.5 13.9 20.9
179 17.8 12.2 18.4

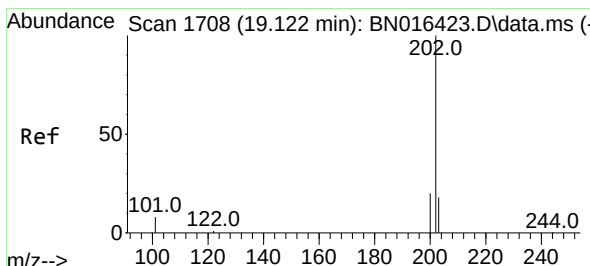
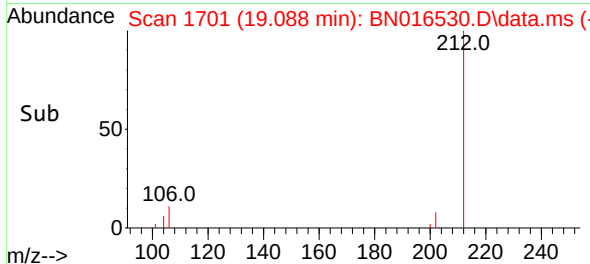
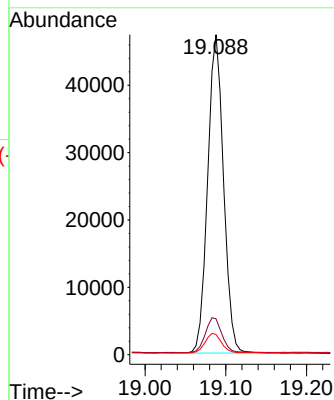
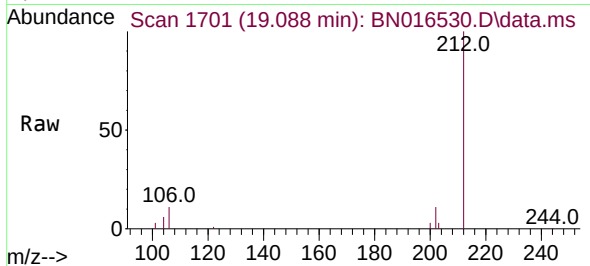




#27
Fluoranthene-d10
Concen: 0.496 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

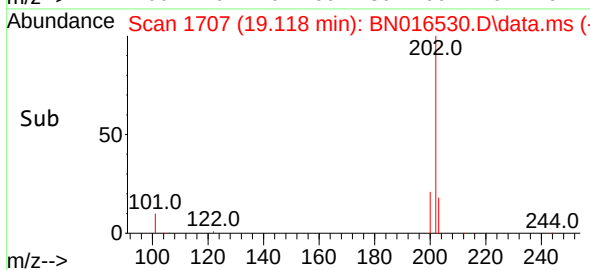
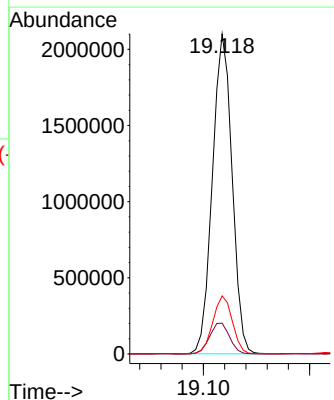
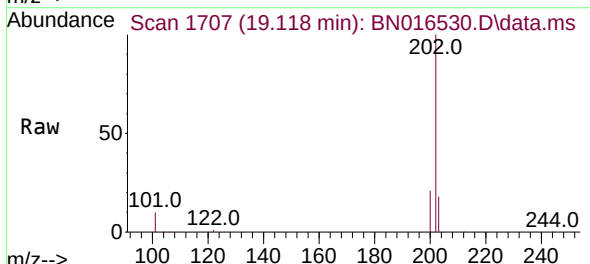
Instrument :
BNA_N
ClientSampleId :

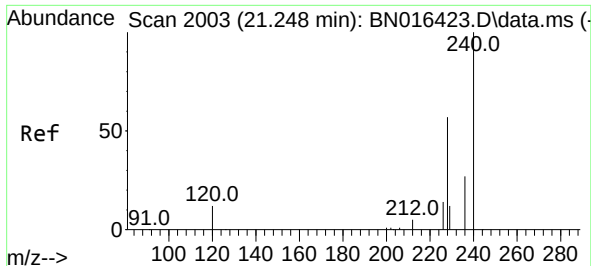
Tgt Ion:212 Resp: 64614
Ion Ratio Lower Upper
212 100
106 11.5 9.8 14.6
104 6.5 5.4 8.2



#28
Fluoranthene
Concen: 17.441 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion:202 Resp: 2697892
Ion Ratio Lower Upper
202 100
101 9.8 8.5 12.7
203 17.9 13.8 20.8

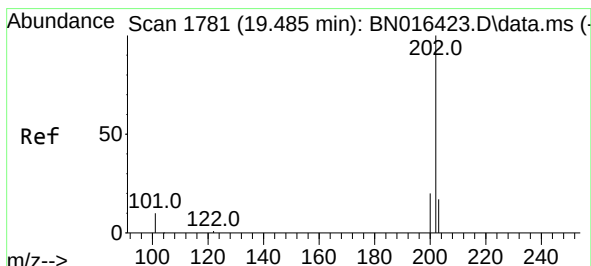
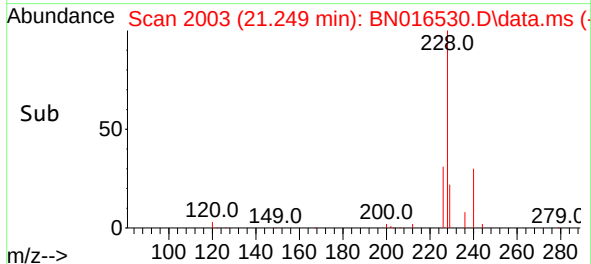
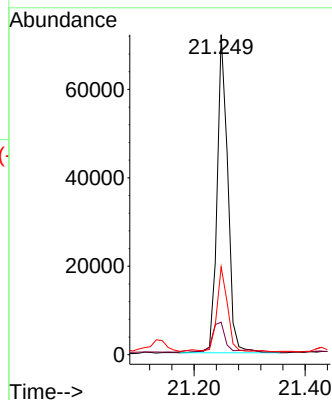
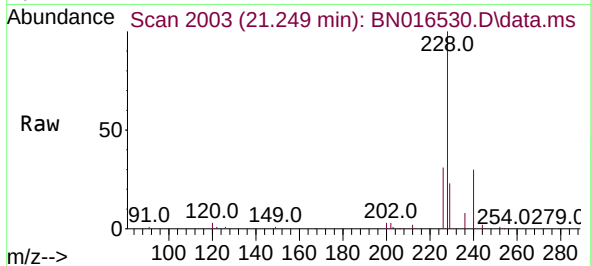




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

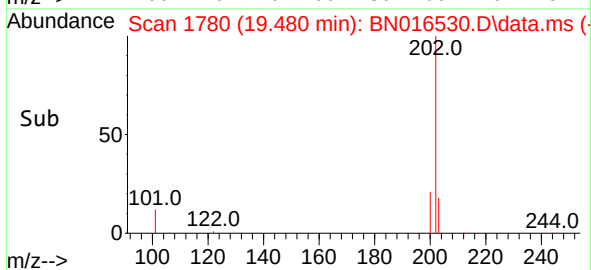
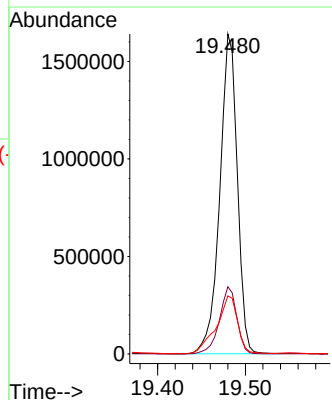
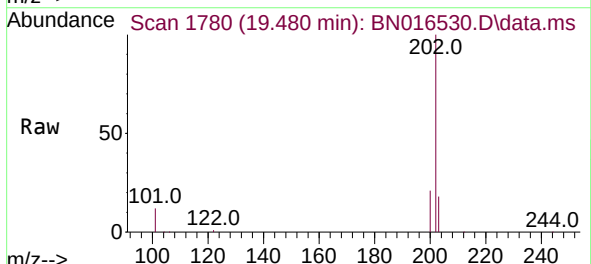
Instrument :
BNA_N
ClientSampleId :

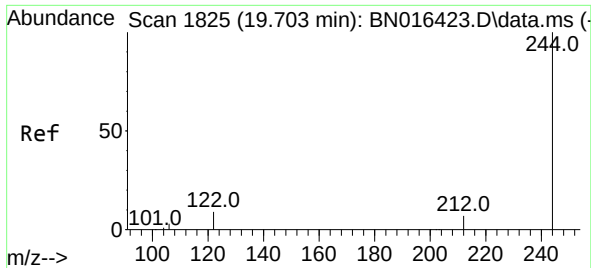
Tgt Ion:240 Resp: 95891
Ion Ratio Lower Upper
240 100
120 10.1 5.3 7.9#
236 27.4 19.8 29.8



#30
Pyrene
Concen: 7.574 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

Tgt Ion:202 Resp: 2273981
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.6
203 21.7 13.9 20.9#

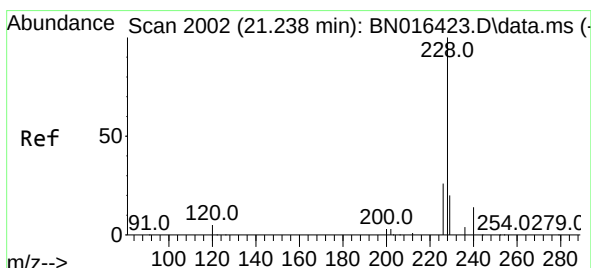
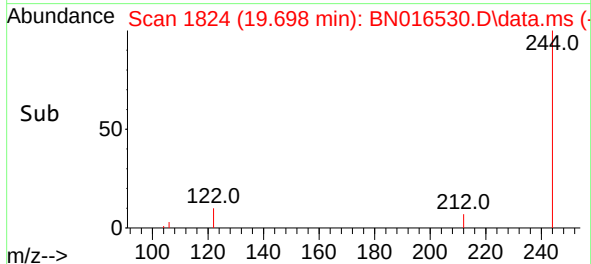
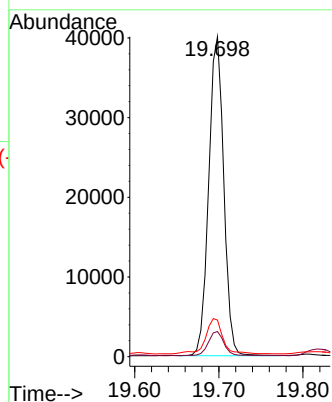
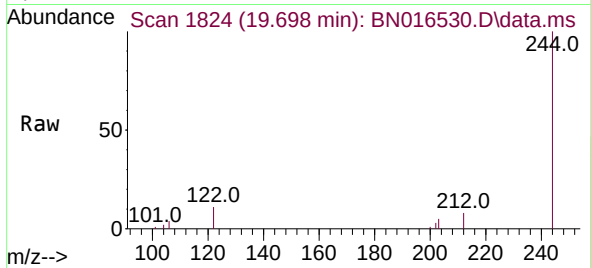




#31
 Terphenyl-d14
 Concen: 0.223 ng
 RT: 19.698 min Scan# 1824
 Delta R.T. -0.005 min
 Lab File: BN016530.D
 Acq: 27 Sep 2021 03:51

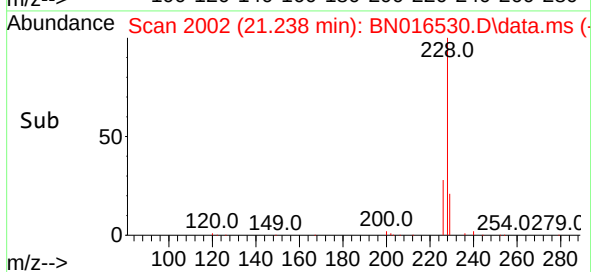
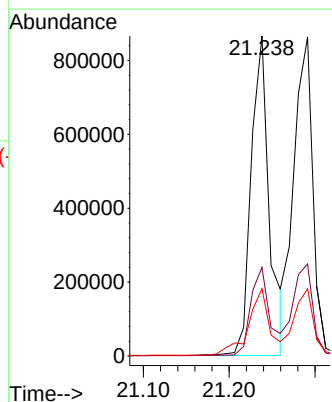
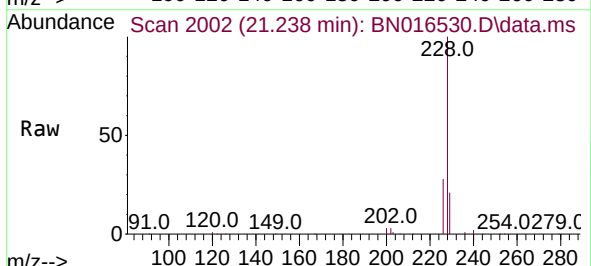
Instrument :
 BNA_N
 ClientSampleId :

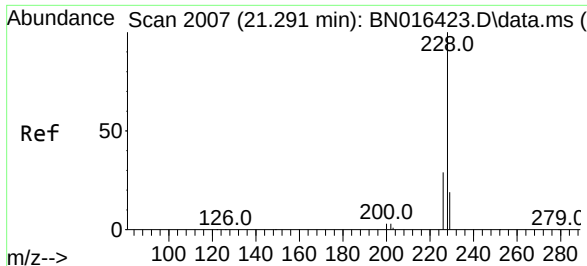
Tgt Ion:244	Resp:	49685
Ion Ratio	Lower	Upper
244	100	
212	7.9	5.5 8.3
122	11.5	9.0 13.4



#32
 Benzo(a)anthracene
 Concen: 4.576 ng
 RT: 21.238 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: BN016530.D
 Acq: 27 Sep 2021 03:51

Tgt Ion:228	Resp:	1272449
Ion Ratio	Lower	Upper
228	100	
226	27.7	20.8 31.2
229	21.0	15.8 23.6

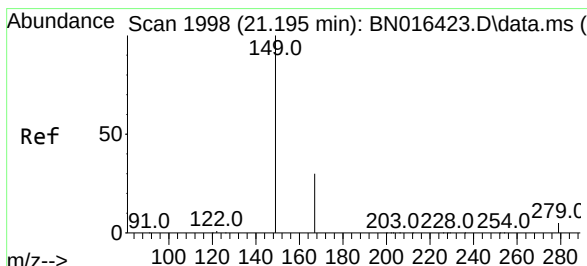
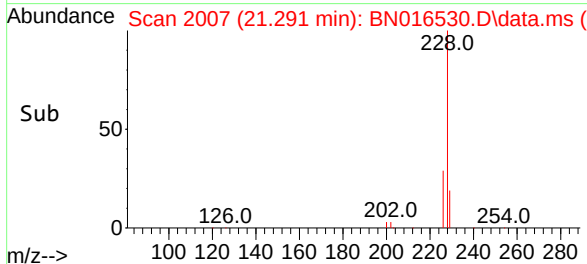
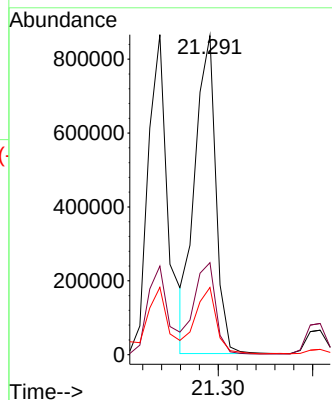
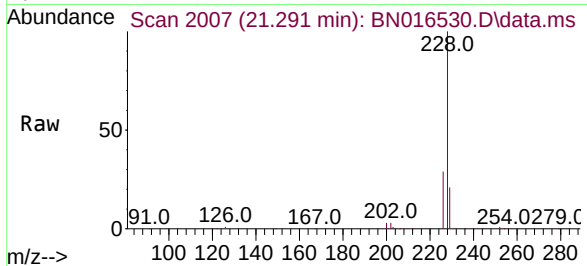




#33
Chrysene
Concen: 4.424 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

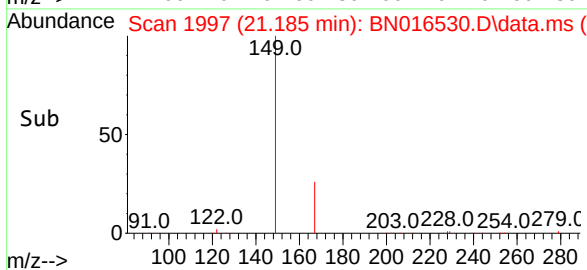
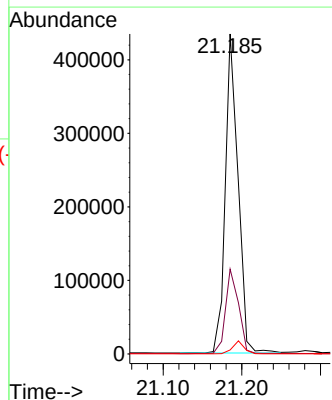
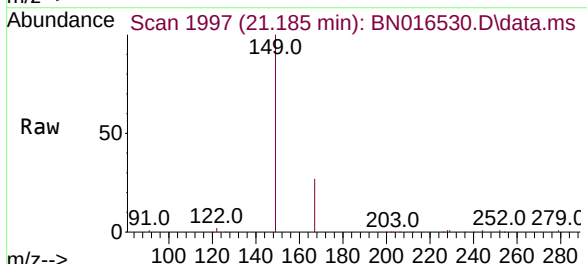
Instrument :
BNA_N
ClientSampled :

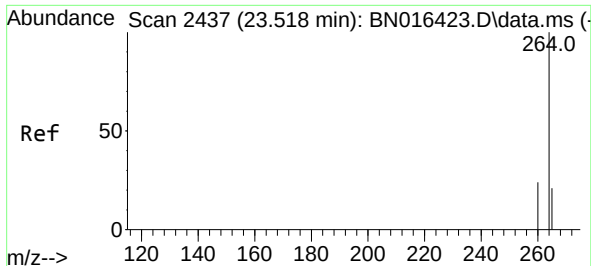
Tgt Ion:228 Resp: 1321696
Ion Ratio Lower Upper
228 100
226 28.8 23.0 34.4
229 21.1 15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 6.413 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016530.D
Acq: 27 Sep 2021 03:51

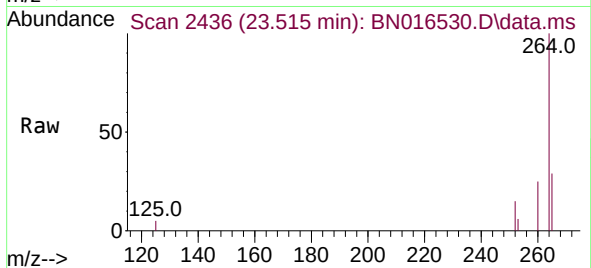
Tgt Ion:149 Resp: 486179
Ion Ratio Lower Upper
149 100
167 27.2 23.4 35.0
279 3.7 3.9 5.9#





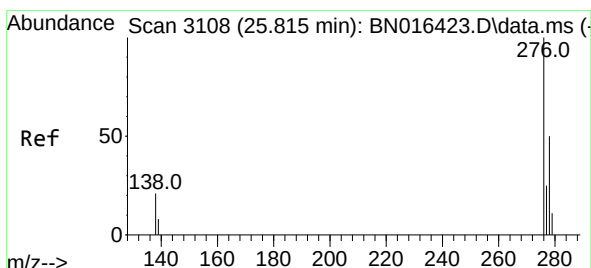
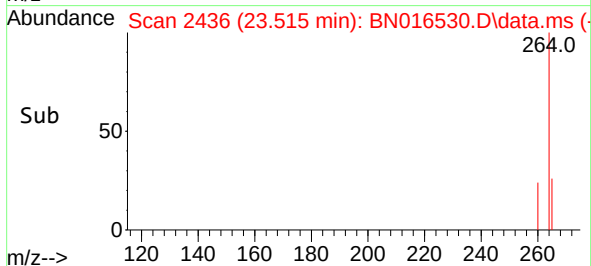
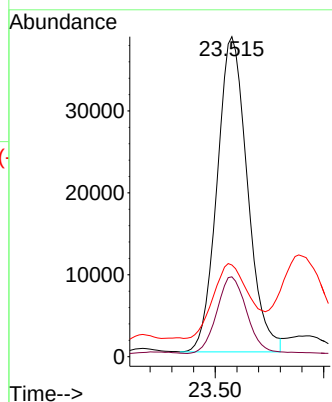
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.515 min Scan# 2436
 Delta R.T. -0.003 min
 Lab File: BN016530.D
 Acq: 27 Sep 2021 03:51

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:264 Resp: 74845

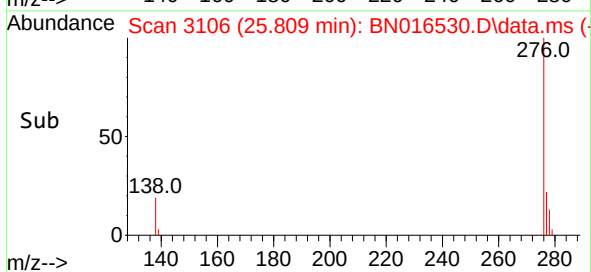
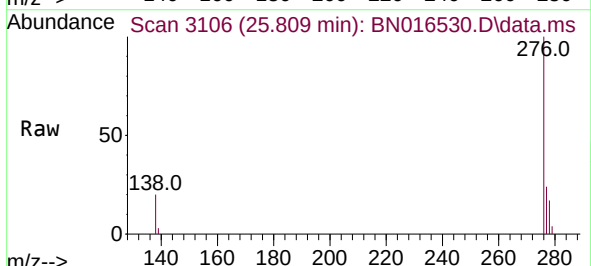
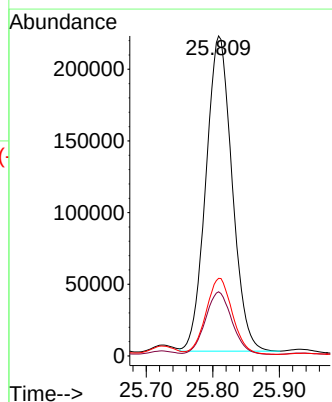
Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.9	28.3
265	28.6	23.7	35.5

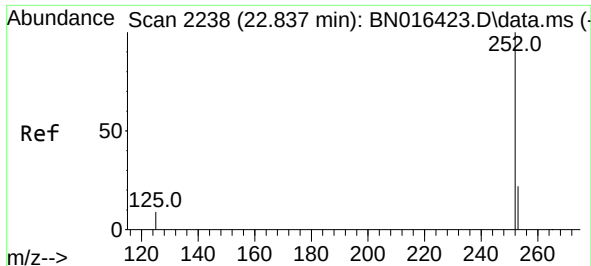


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.475 ng
 RT: 25.809 min Scan# 3106
 Delta R.T. -0.007 min
 Lab File: BN016530.D
 Acq: 27 Sep 2021 03:51

Tgt Ion:276 Resp: 600128

Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.3	28.9
277	24.3	20.2	30.2





#37

Benzo(b)fluoranthene

Concen: 7.672 ng

RT: 22.838 min Scan# 2238

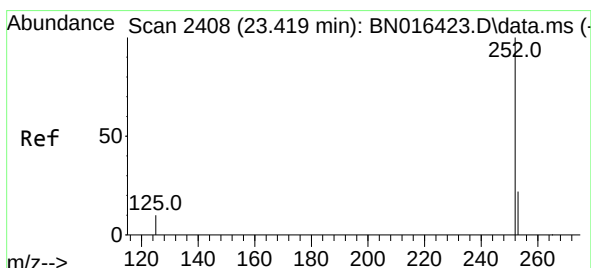
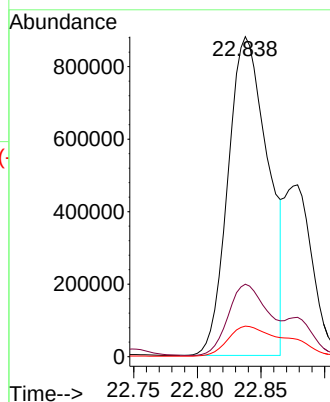
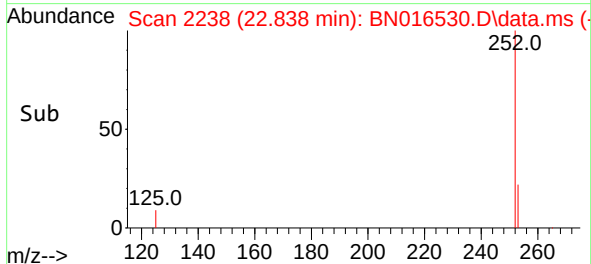
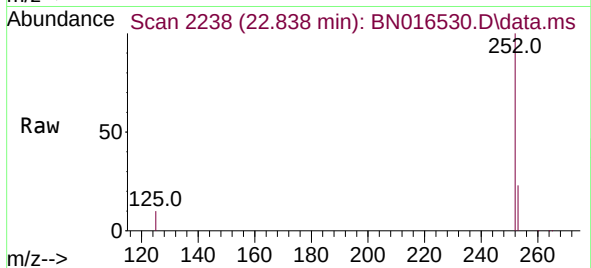
Delta R.T. 0.000 min

Lab File: BN016530.D

Acq: 27 Sep 2021 03:51

Tgt Ion:252 Resp: 1918544

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	9.5	8.4	12.6



#39

Benzo(a)pyrene

Concen: 5.610 ng

RT: 23.416 min Scan# 2407

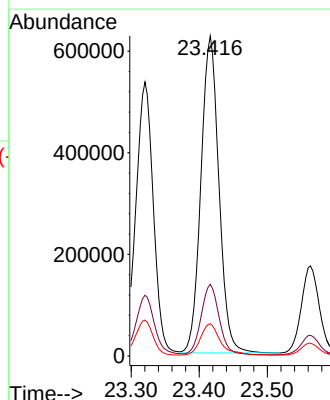
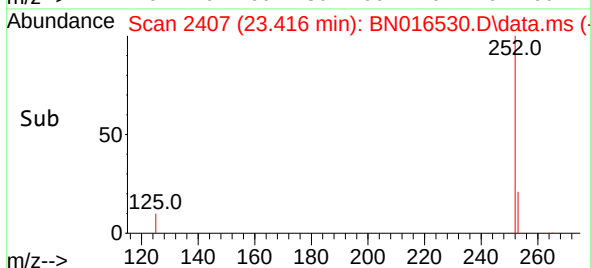
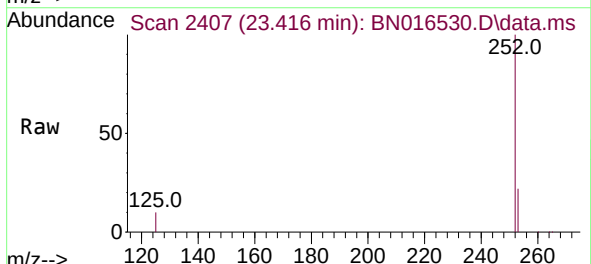
Delta R.T. -0.003 min

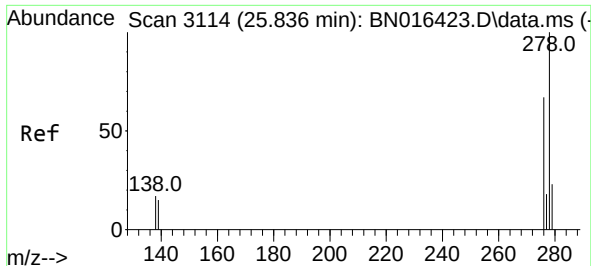
Lab File: BN016530.D

Acq: 27 Sep 2021 03:51

Tgt Ion:252 Resp: 1143738

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	10.1	9.9	14.9





#40

Dibenzo(a,h)anthracene

Concen: 0.656 ng

RT: 25.819 min Scan# 3109

Delta R.T. -0.017 min

Lab File: BN016530.D

Acq: 27 Sep 2021 03:51

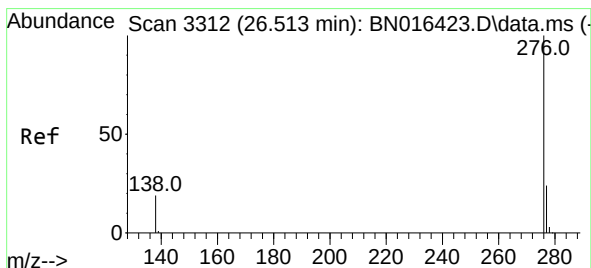
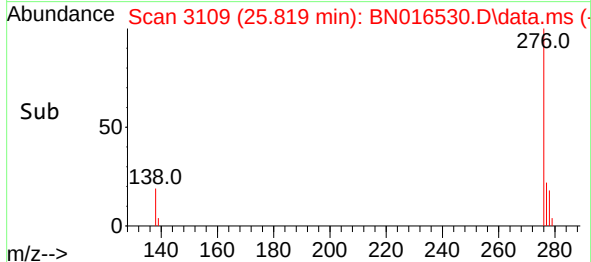
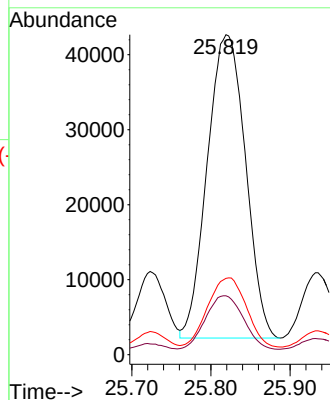
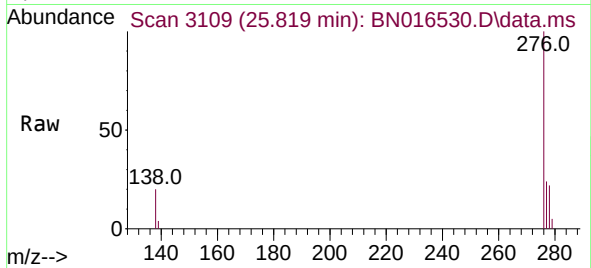
Tgt Ion:278 Resp: 135598

Ion Ratio Lower Upper

278 100

139 18.4 14.2 21.2

279 23.9 21.3 31.9



#41

Benzo(g,h,i)perylene

Concen: 2.428 ng

RT: 26.510 min Scan# 3311

Delta R.T. -0.003 min

Lab File: BN016530.D

Acq: 27 Sep 2021 03:51

Tgt Ion:276 Resp: 514930

Ion Ratio Lower Upper

276 100

277 24.1 20.5 30.7

138 20.5 18.2 27.4

