

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016531.D
 Acq On : 27 Sep 2021 04:27
 Operator : CG/JU
 Sample : M3845-01 2X
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 05:33:51 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)

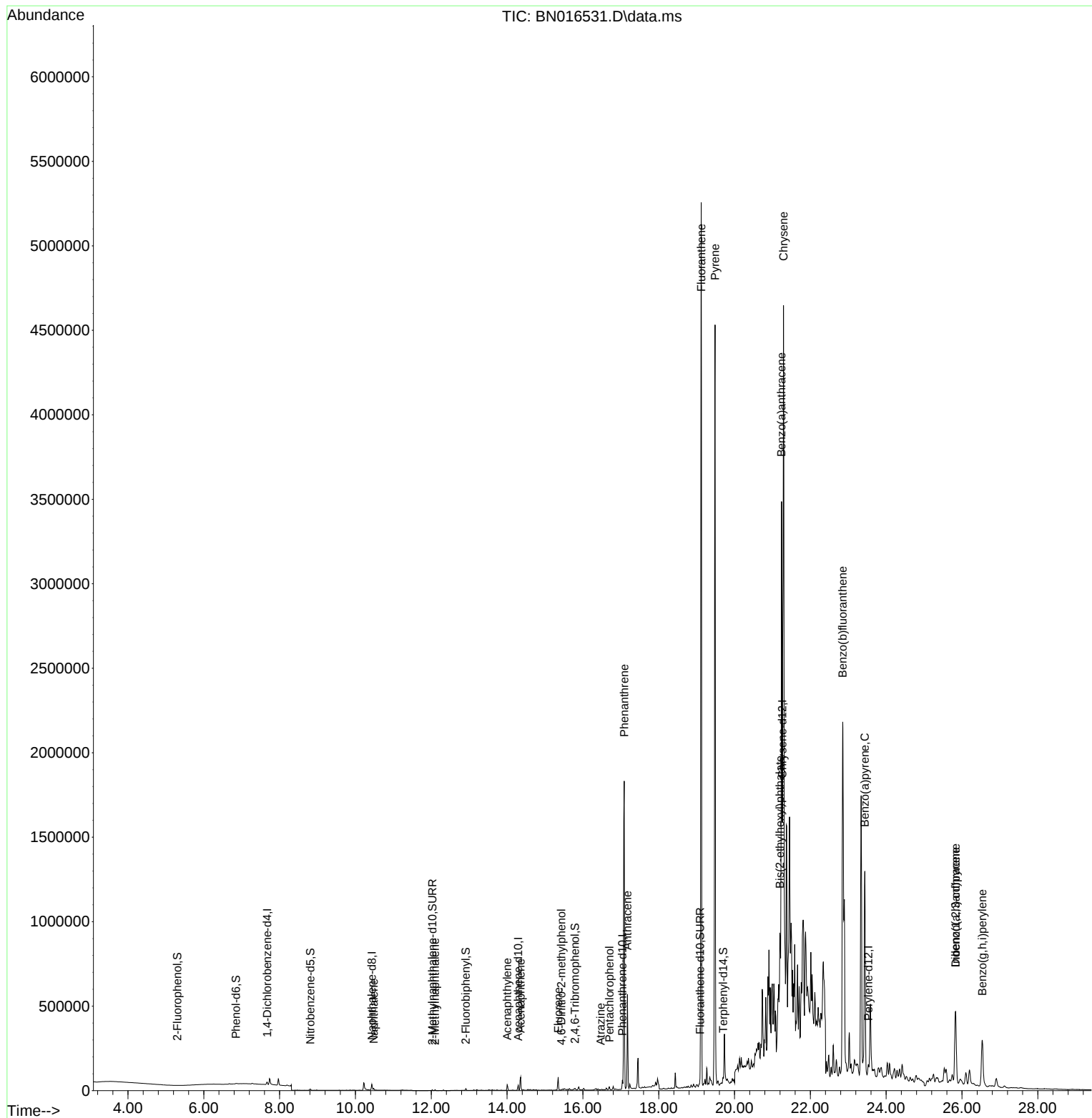
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	9560	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	41461	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	12915	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	69654	0.400	ng	0.00
29) Chrysene-d12	21.259	240	141870	0.400	ng	# 0.01
35) Perylene-d12	23.533	264	96336	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.301	112	533	0.025	ng	0.02
5) Phenol-d6	6.850	99	1781	0.070	ng	0.00
8) Nitrobenzene-d5	8.810	82	6105	0.208	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	5724	0.093	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1038	0.340	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	8510	0.157	ng	-0.01
27) Fluoranthene-d10	19.088	212	46542	0.243	ng	0.00
31) Terphenyl-d14	19.698	244	40117	0.122	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.483	128	12519	0.113	ng	97
12) 2-Methylnaphthalene	12.101	142	3257	0.046	ng	# 93
16) Acenaphthylene	14.002	152	35646	0.679	ng	99
17) Acenaphthene	14.358	154	29229	0.784	ng	# 54
18) Fluorene	15.347	166	43509	0.971	ng	93
20) 4,6-Dinitro-2-methylph...	15.436	198	72	0.156	ng	# 1
23) Atrazine	16.470	200	42	0.136	ng	# 1
24) Pentachlorophenol	16.701	266	4520	0.462	ng	99
25) Phenanthrene	17.091	178	1995033	9.624	ng	98
26) Anthracene	17.176	178	508731	2.946	ng	97
28) Fluoranthene	19.123	202	4901299	21.575	ng	99
30) Pyrene	19.485	202	4260547	9.591	ng	# 93
32) Benzo(a)anthracene	21.238	228	2836730	6.895	ng	# 86
33) Chrysene	21.291	228	4911306	11.112	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.196	149	263126	2.346	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.829	276	647562	2.075	ng	98
37) Benzo(b)fluoranthene	22.855	252	3473948	10.793	ng	98
39) Benzo(a)pyrene	23.437	252	1831467	6.979	ng	97
40) Dibenzo(a,h)anthracene	25.833	278	238782	0.898	ng	# 81
41) Benzo(g,h,i)perylene	26.534	276	604499	2.214	ng	100

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

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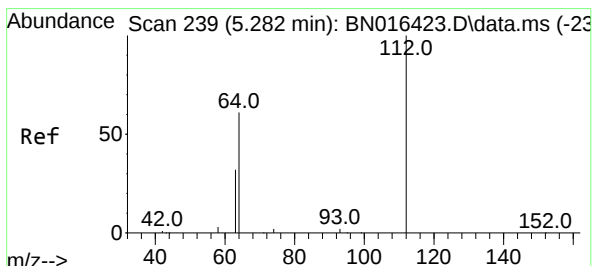
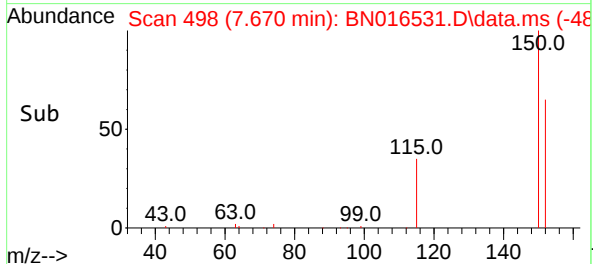
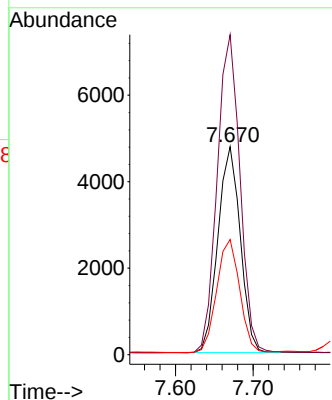
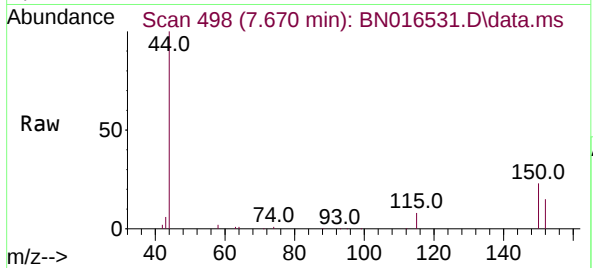




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. 0.000 min
 Lab File: BN016531.D
 Acq: 27 Sep 2021 04:27

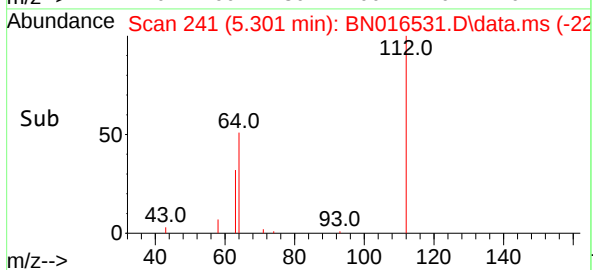
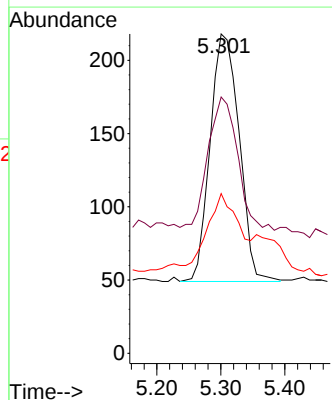
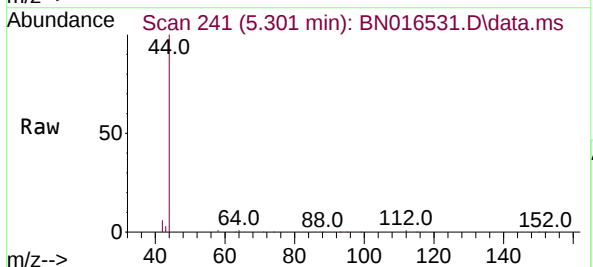
Instrument :
 BNA_N
 ClientSampleId :

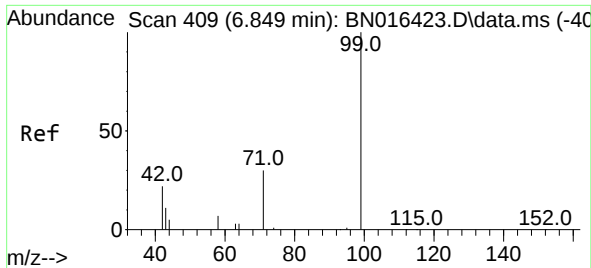
Tgt Ion:152 Resp: 9560
 Ion Ratio Lower Upper
 152 100
 150 153.9 125.6 188.4
 115 55.4 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.025 ng
 RT: 5.301 min Scan# 241
 Delta R.T. 0.019 min
 Lab File: BN016531.D
 Acq: 27 Sep 2021 04:27

Tgt Ion:112 Resp: 533
 Ion Ratio Lower Upper
 112 100
 64 55.0 47.3 70.9
 63 29.6 23.4 35.0

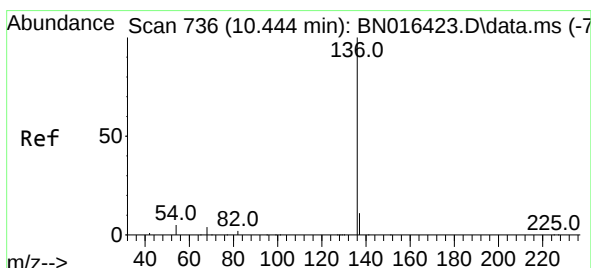
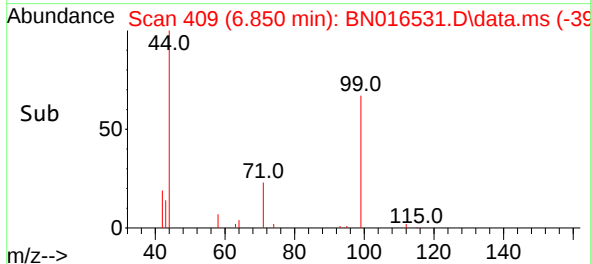
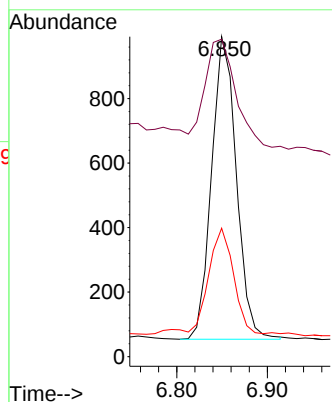
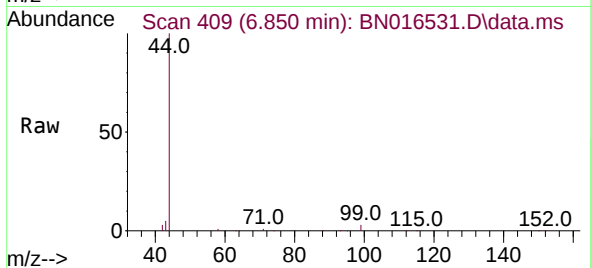




#5
Phenol-d6
Concen: 0.070 ng
RT: 6.850 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

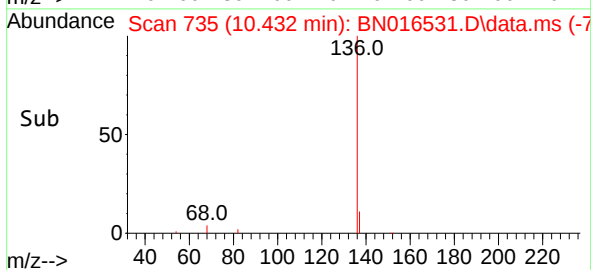
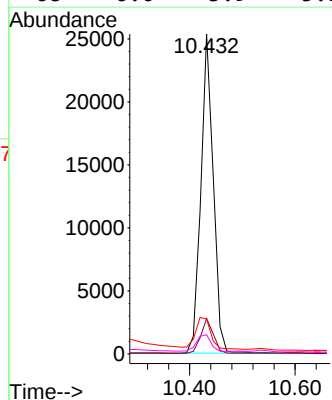
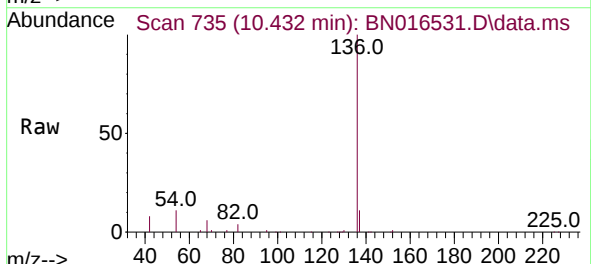
Instrument :
BNA_N
ClientSampled :

Tgt Ion: 99 Resp: 1781
Ion Ratio Lower Upper
99 100
42 44.4 14.0 21.0#
71 36.6 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: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion: 136 Resp: 41461
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.9 5.3 7.9#
68 6.0 3.9 5.9#

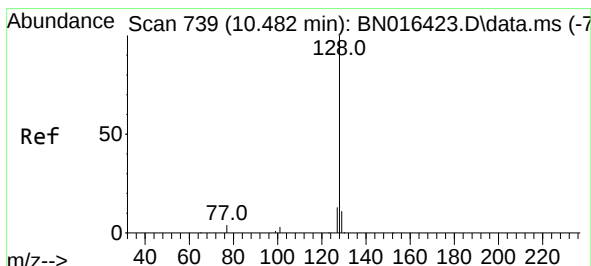
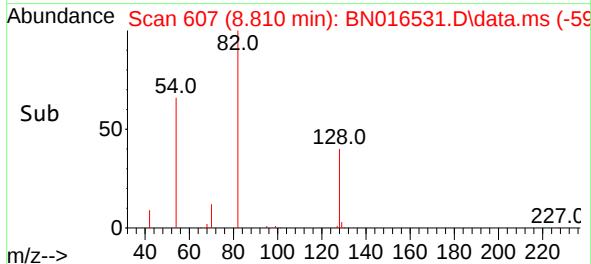
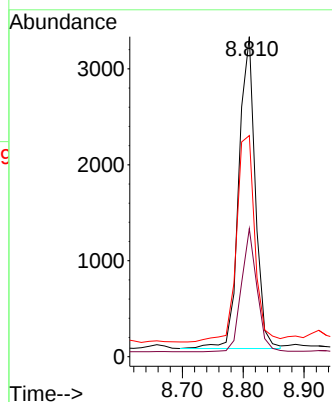
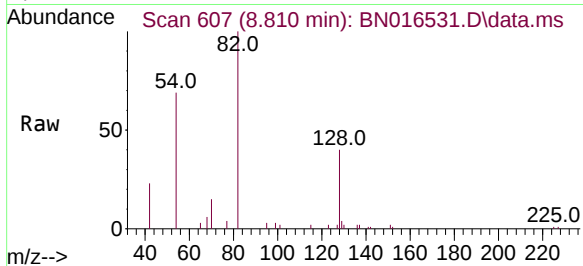




#8
Nitrobenzene-d5
Concen: 0.208 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

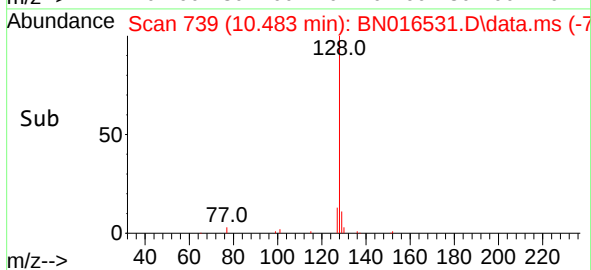
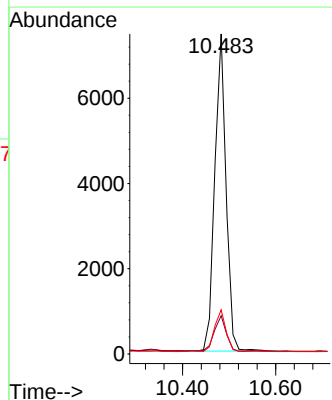
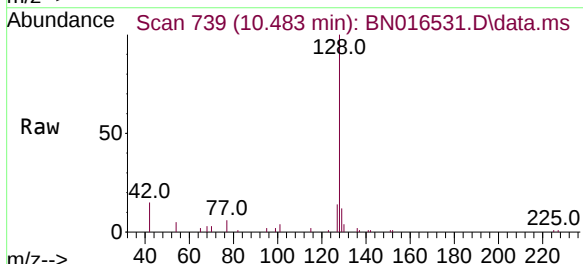
Instrument :
BNA_N
ClientSampleId :

Tgt Ion:	82	Resp:	6105
Ion Ratio	Lower	Upper	
82	100		
128	40.0	31.7	47.5
54	69.1	46.4	69.6



#9
Naphthalene
Concen: 0.113 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:	128	Resp:	12519
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.9	13.3
127	13.8	10.1	15.1

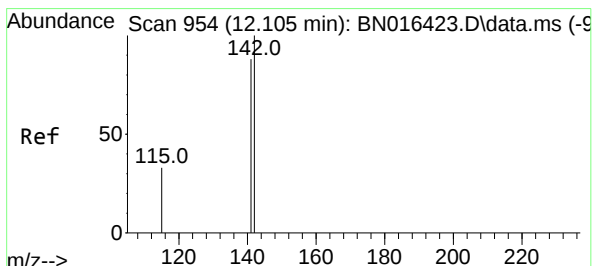
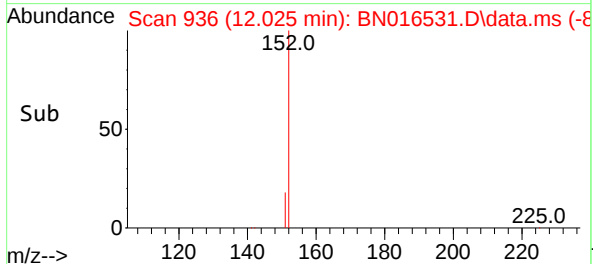
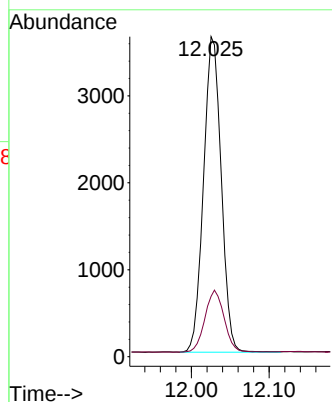
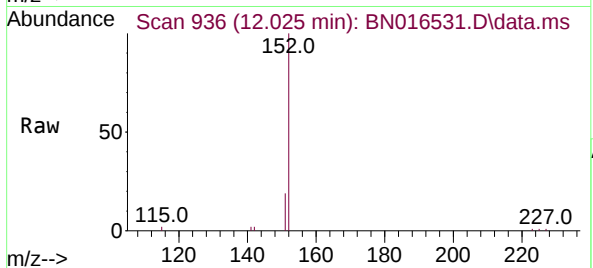




#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.008 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

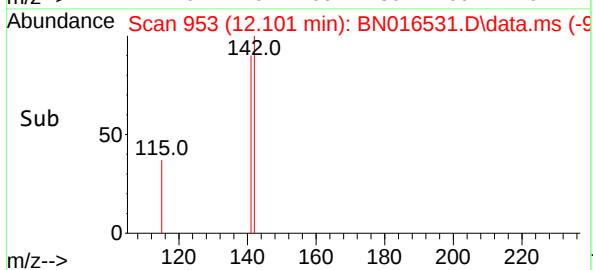
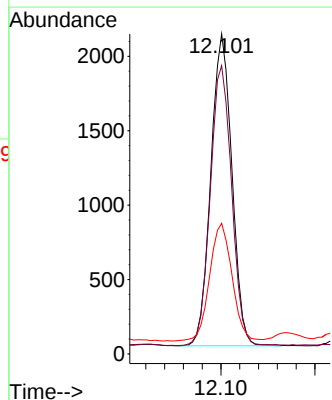
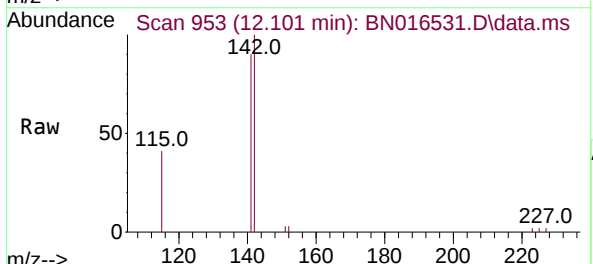
Instrument :
BNA_N
ClientSampled :

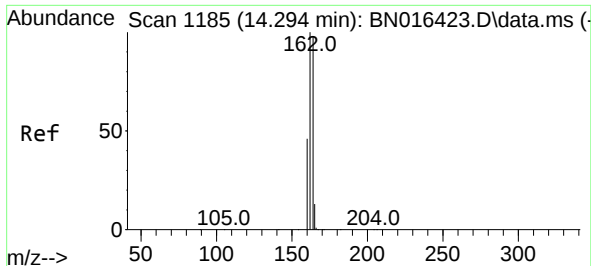
Tgt Ion:152 Resp: 5724
Ion Ratio Lower Upper
152 100
151 21.2 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.046 ng
RT: 12.101 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:142 Resp: 3257
Ion Ratio Lower Upper
142 100
141 90.1 69.8 104.8
115 40.8 24.4 36.6#

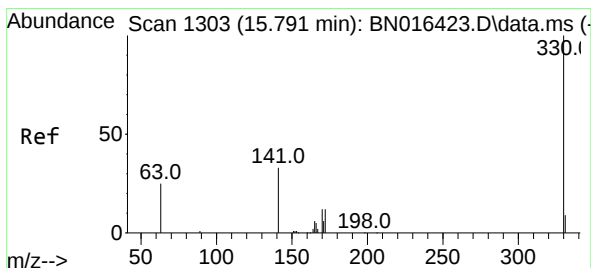
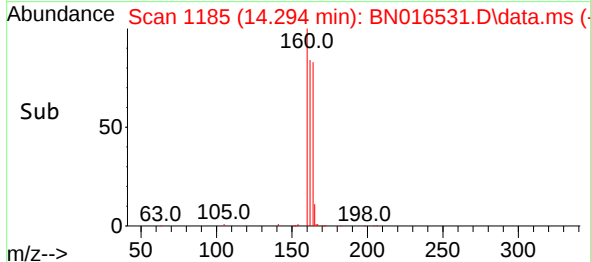
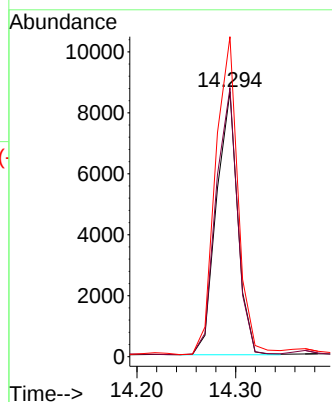
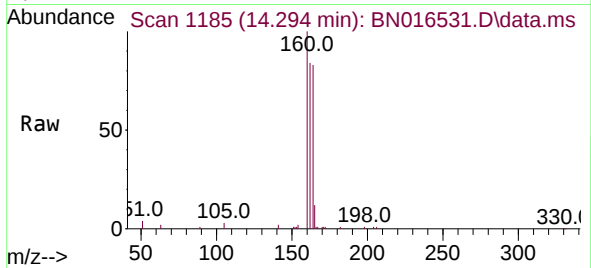




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

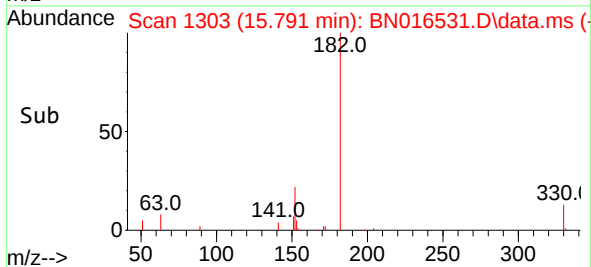
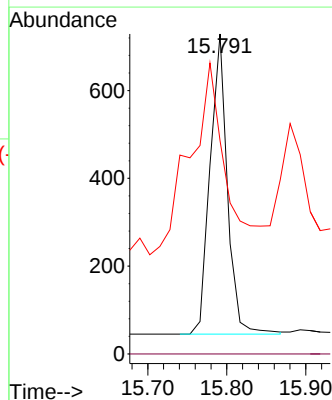
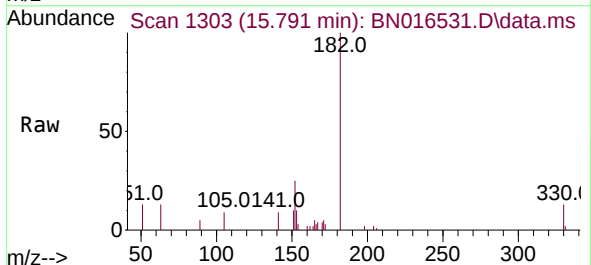
Instrument :
BNA_N
ClientSampleId :

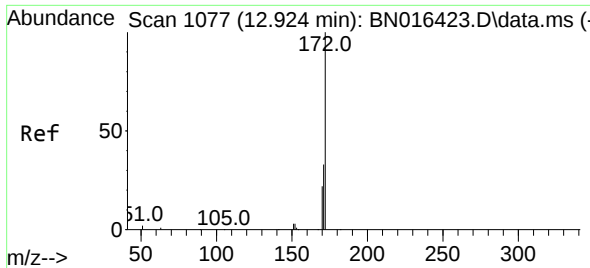
Tgt Ion:164 Resp: 12915
Ion Ratio Lower Upper
164 100
162 101.3 79.0 118.4
160 120.7 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:330 Resp: 1038
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 116.4 25.0 37.4#

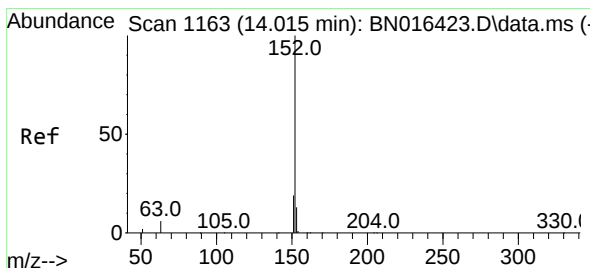
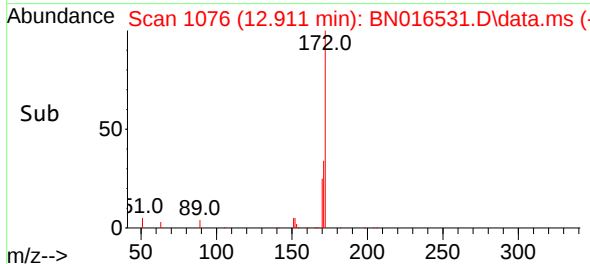
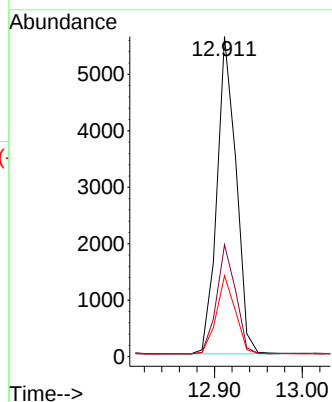
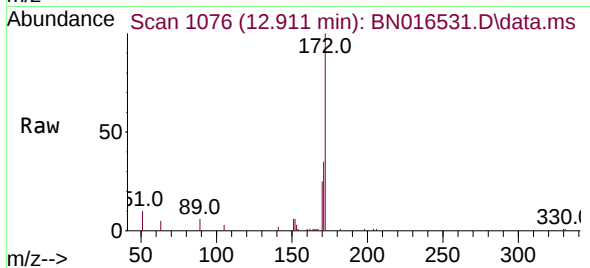




#15
2-Fluorobiphenyl
Concen: 0.157 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

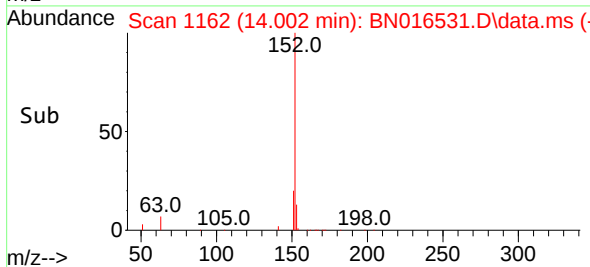
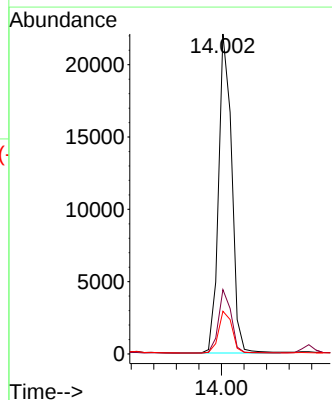
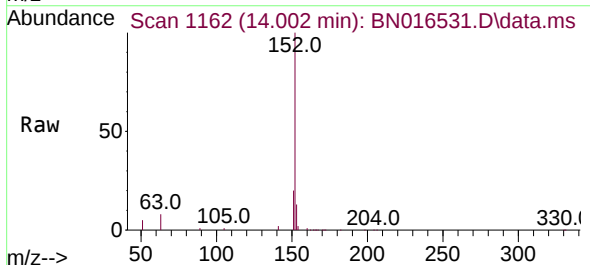
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BNA_N
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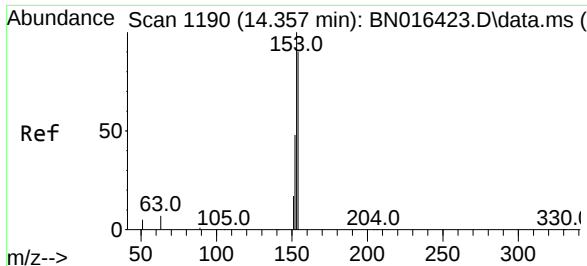
Tgt Ion:172	Resp:	8510
Ion Ratio	Lower	Upper
172	100	
171	35.0	27.8 41.6
170	25.3	18.2 27.2



#16
Acenaphthylene
Concen: 0.679 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:152	Resp:	35646
Ion Ratio	Lower	Upper
152	100	
151	19.4	15.2 22.8
153	13.7	10.5 15.7

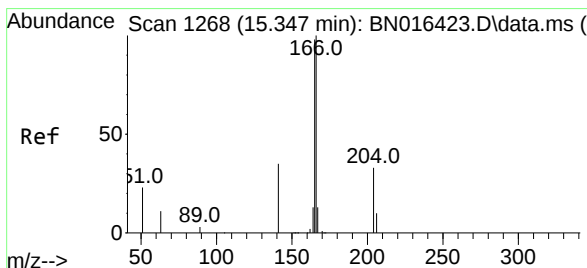
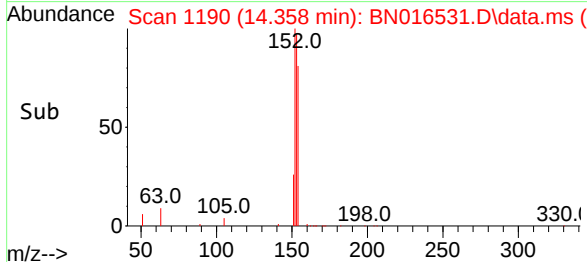
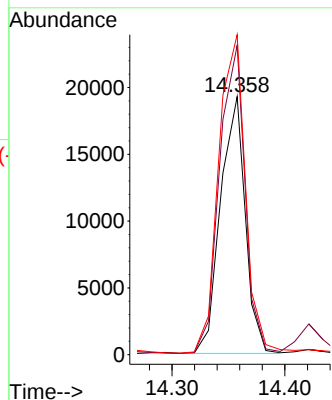
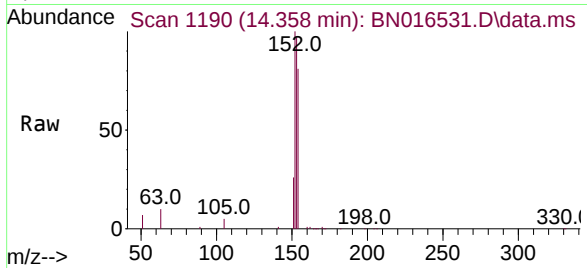




#17
Acenaphthene
Concen: 0.784 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

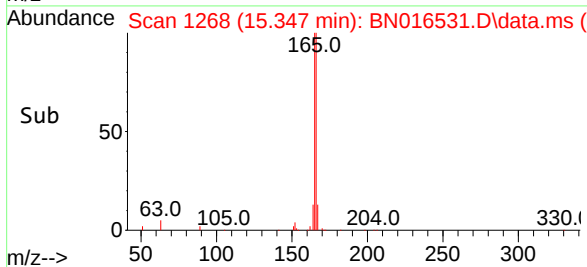
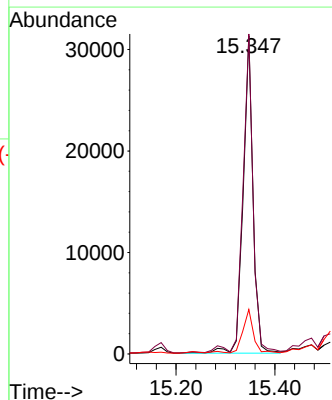
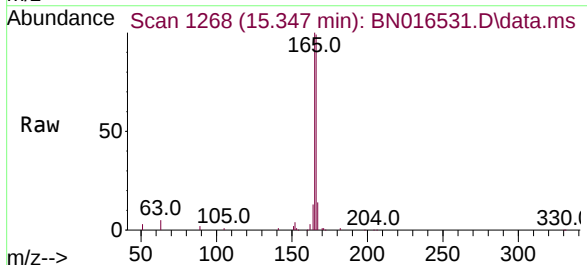
Instrument :
BNA_N
ClientSampleId :

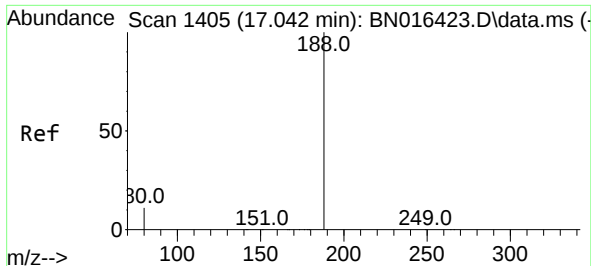
Tgt Ion:154 Resp: 29229
Ion Ratio Lower Upper
154 100
153 124.0 89.3 133.9
152 136.1 42.2 63.4#



#18
Fluorene
Concen: 0.971 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:166 Resp: 43509
Ion Ratio Lower Upper
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165 103.8 76.7 115.1
167 14.2 10.9 16.3

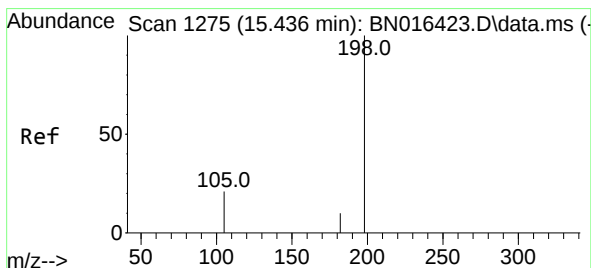
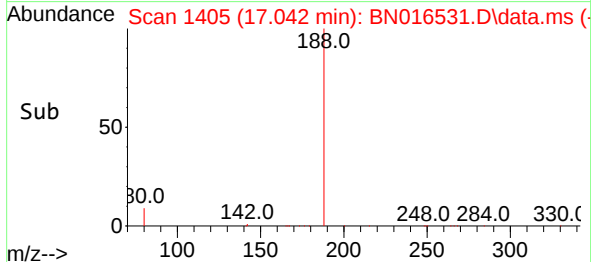
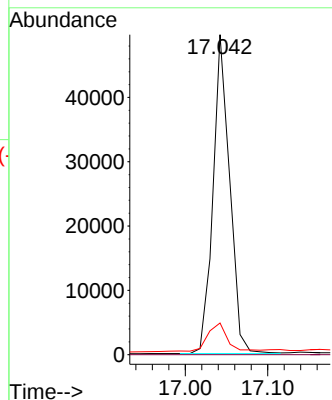
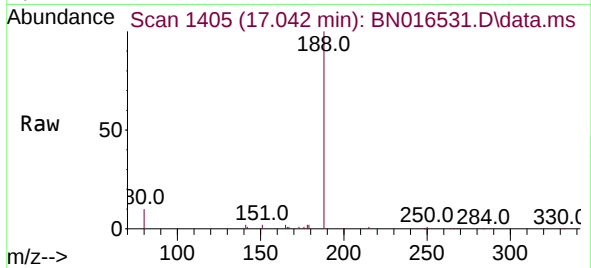




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

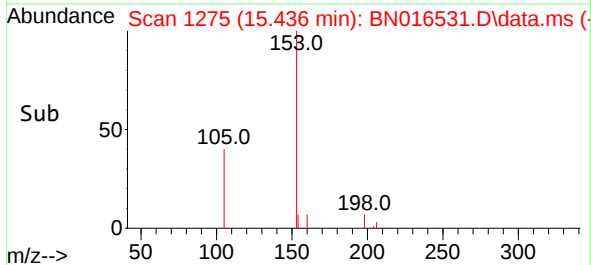
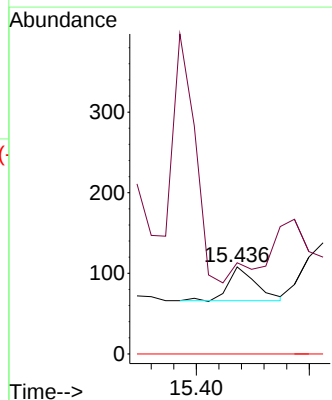
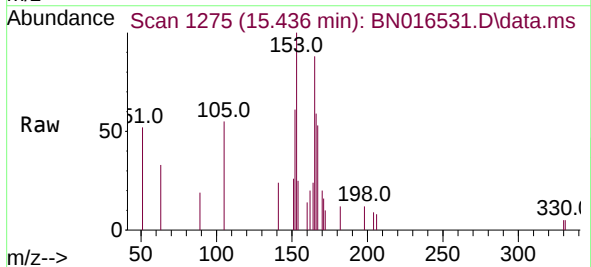
Instrument :
BNA_N
ClientSampleId :

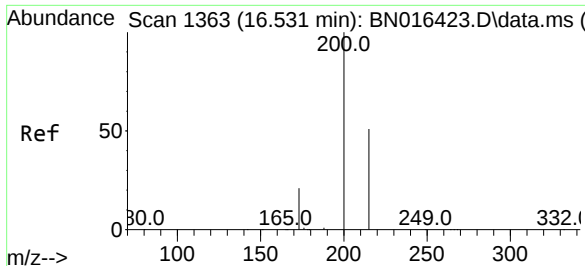
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.0	10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.156 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion	Ratio	Lower	Upper
198	100		
182	104.6	26.6	39.8
77	0.0	0.0	0.0

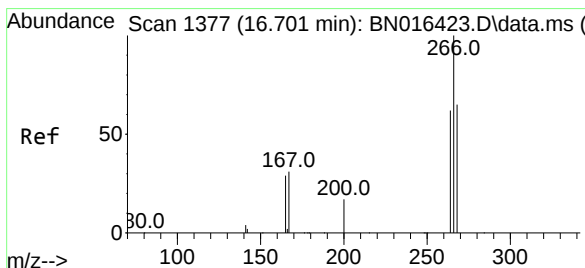
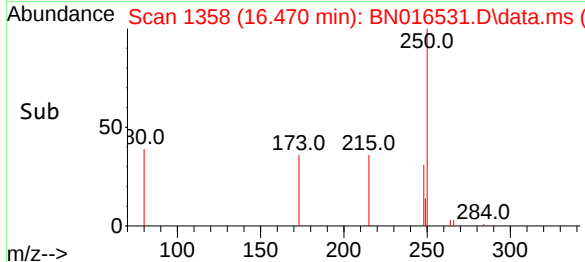
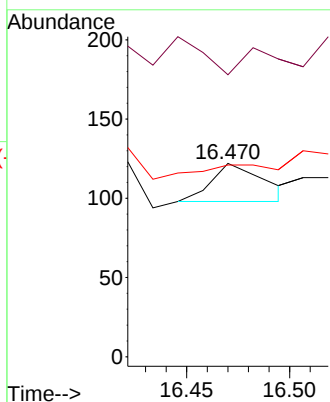
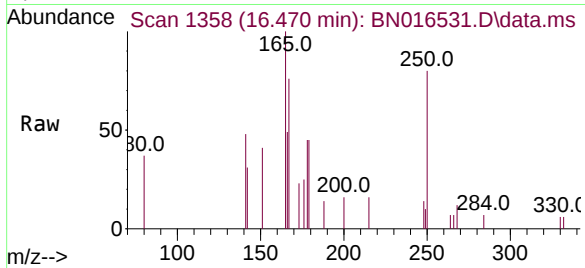




#23
Atrazine
Concen: 0.136 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.061 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

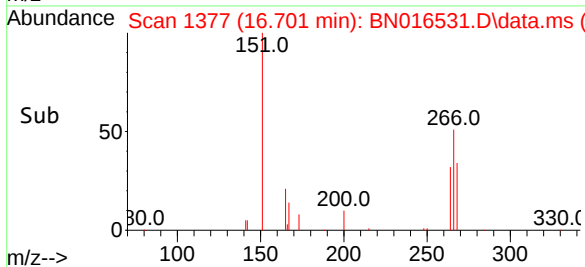
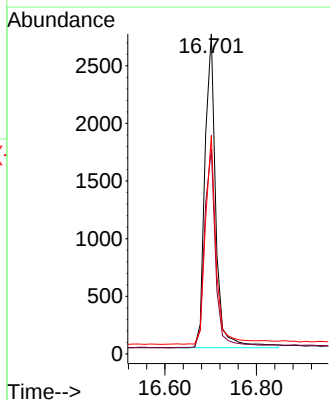
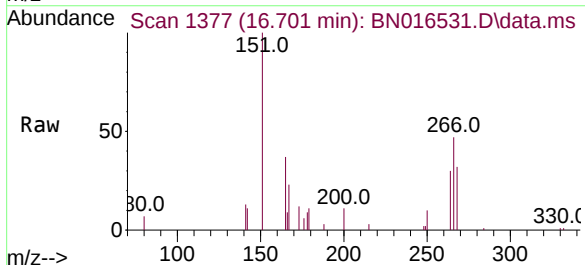
Instrument :
BNA_N
ClientSampleId :

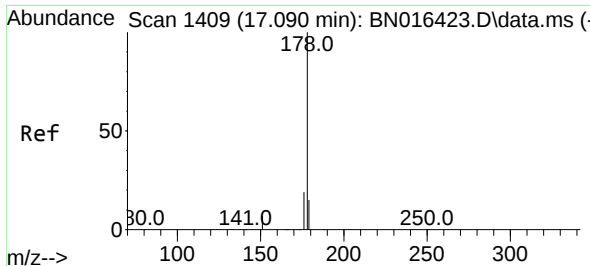
Tgt Ion:200 Resp: 42
Ion Ratio Lower Upper
200 100
173 145.9 18.7 28.1#
215 99.2 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.462 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:266 Resp: 4520
Ion Ratio Lower Upper
266 100
264 64.6 50.6 75.8
268 65.9 52.6 79.0

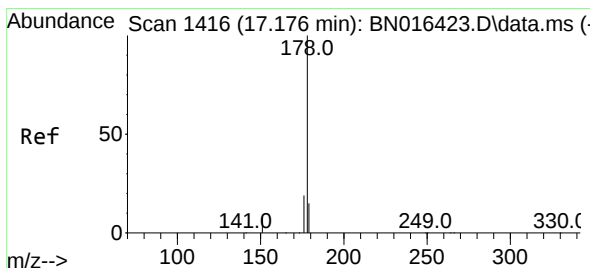
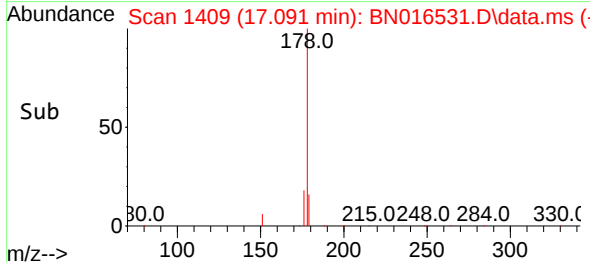
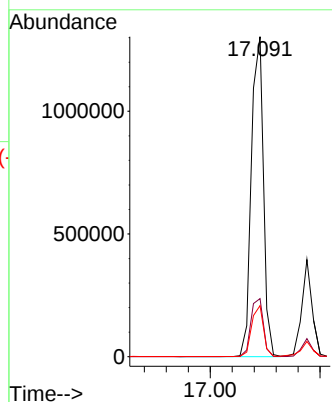
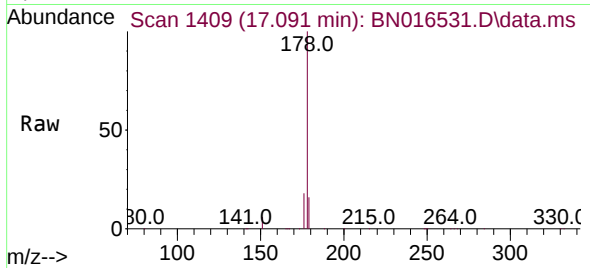




#25
Phenanthrene
Concen: 9.624 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

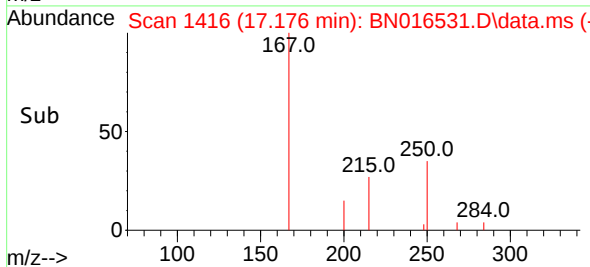
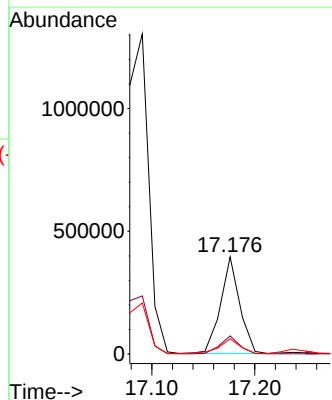
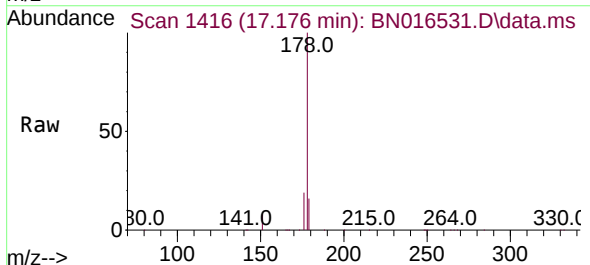
Instrument :
BNA_N
ClientSampleId :

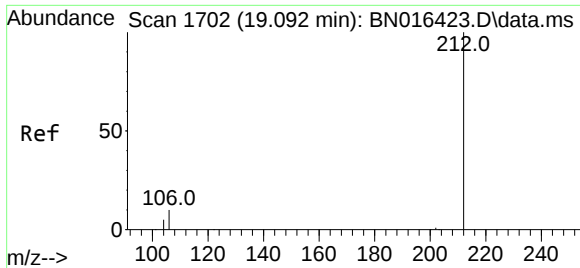
Tgt Ion:178 Resp: 1995033
Ion Ratio Lower Upper
178 100
176 18.9 14.4 21.6
179 15.7 12.2 18.4



#26
Anthracene
Concen: 2.946 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:178 Resp: 508731
Ion Ratio Lower Upper
178 100
176 18.5 13.9 20.9
179 16.6 12.2 18.4

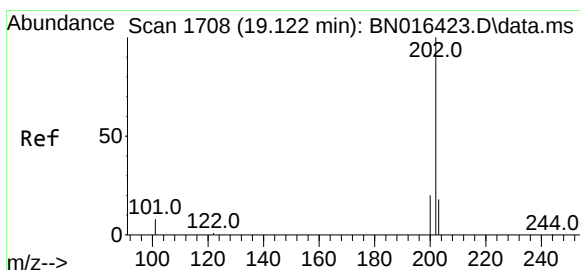
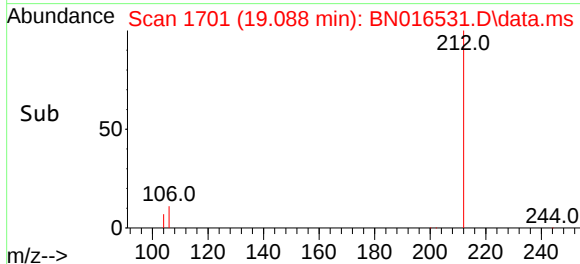
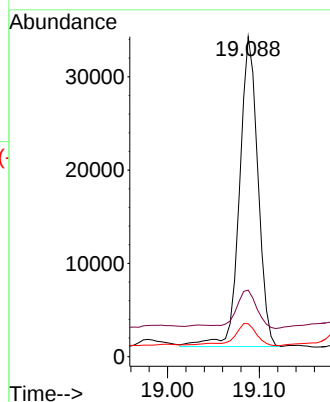
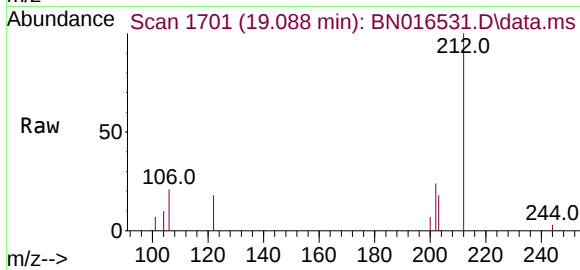




#27
Fluoranthene-d10
Concen: 0.243 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

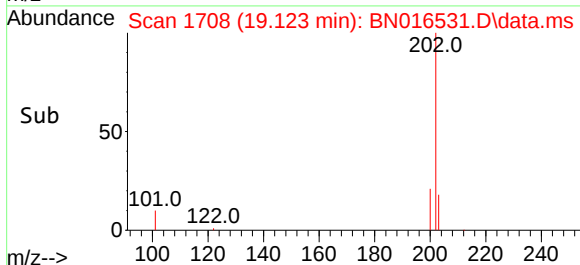
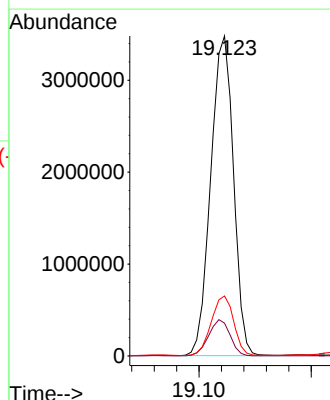
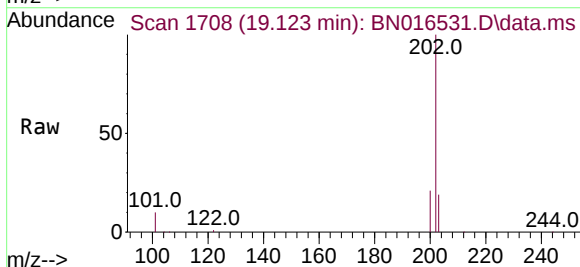
Instrument :
BNA_N
ClientSampleId :

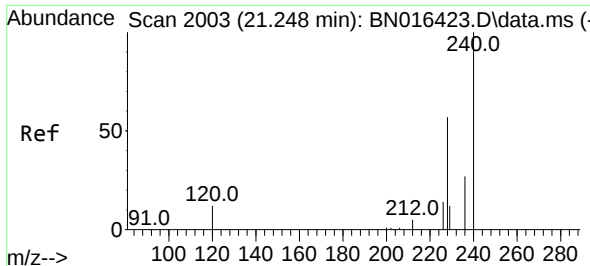
Tgt Ion:212 Resp: 46542
Ion Ratio Lower Upper
212 100
106 13.5 9.8 14.6
104 8.7 5.4 8.2#



#28
Fluoranthene
Concen: 21.575 ng
RT: 19.123 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:202 Resp: 4901299
Ion Ratio Lower Upper
202 100
101 10.7 8.5 12.7
203 18.3 13.8 20.8

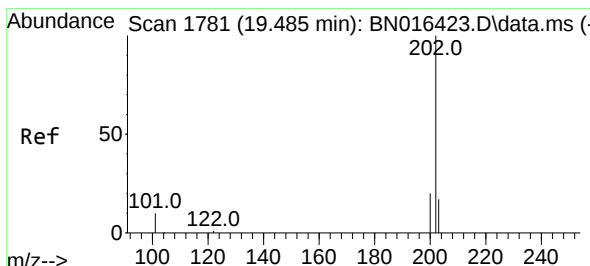
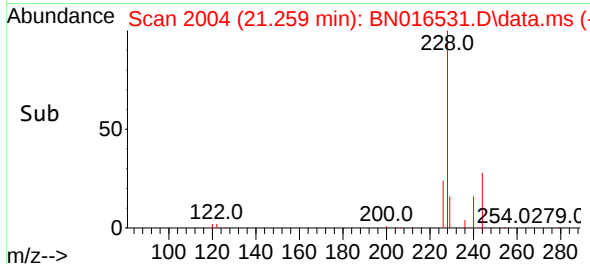
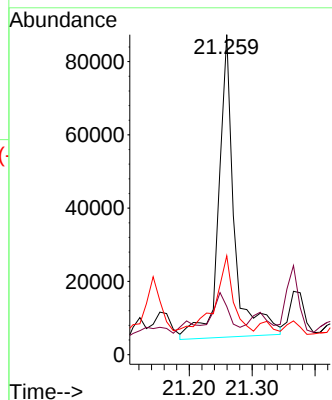
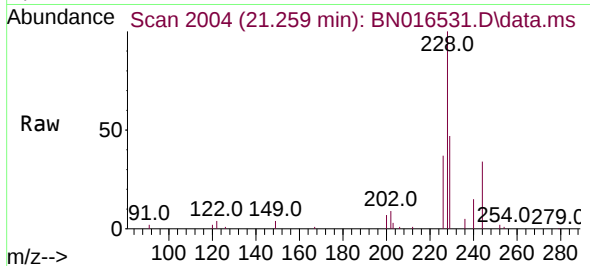




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

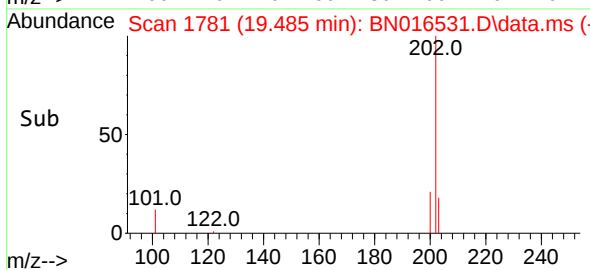
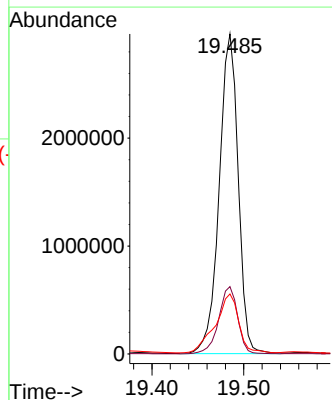
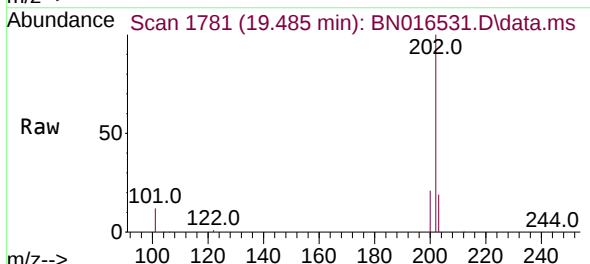
Instrument :
BNA_N
ClientSampleId :

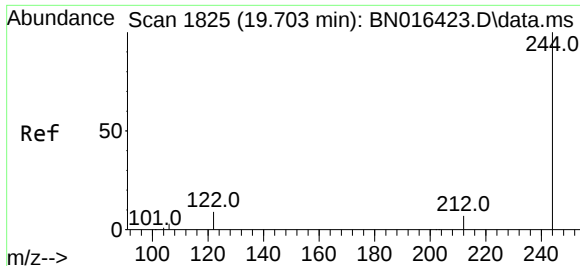
Tgt Ion:240 Resp: 141870
Ion Ratio Lower Upper
240 100
120 15.1 5.3 7.9#
236 30.9 19.8 29.8#



#30
Pyrene
Concen: 9.591 ng
RT: 19.485 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

Tgt Ion:202 Resp: 4260547
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.6
203 22.5 13.9 20.9#

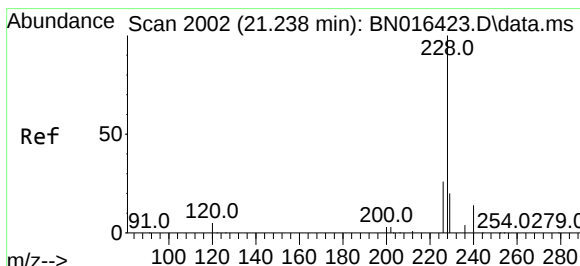
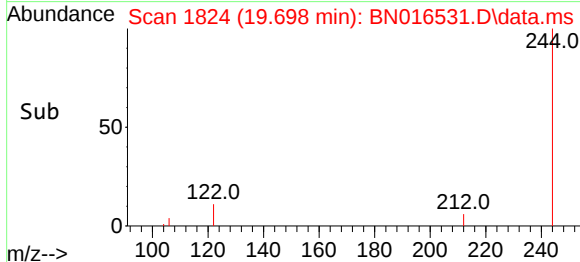
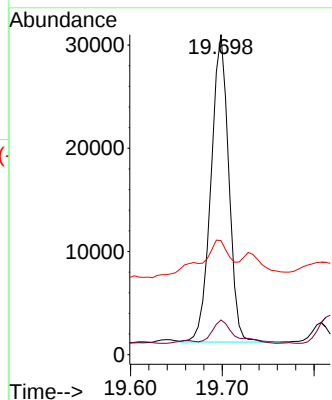
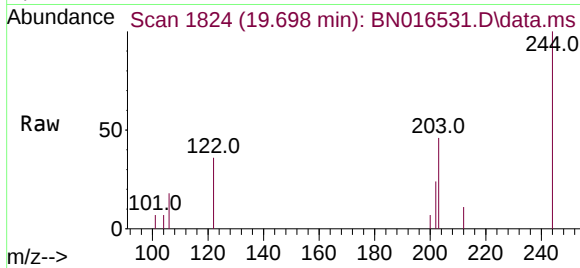




#31
 Terphenyl-d14
 Concen: 0.122 ng
 RT: 19.698 min Scan# 1824
 Delta R.T. -0.005 min
 Lab File: BN016531.D
 Acq: 27 Sep 2021 04:27

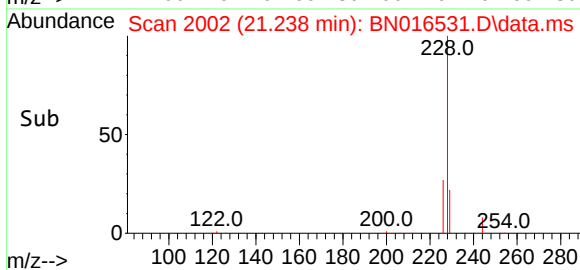
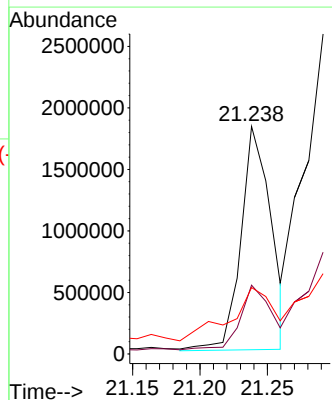
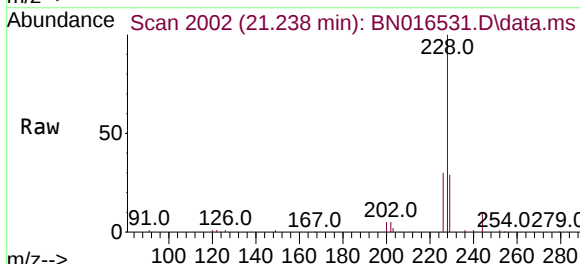
Instrument :
 BNA_N
 ClientSampleId :

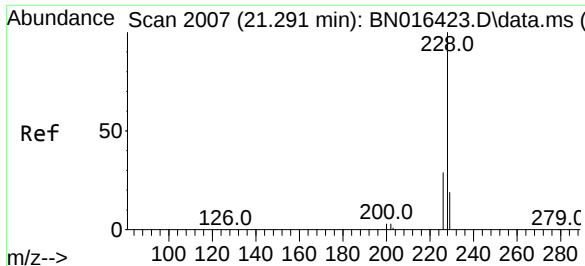
Tgt Ion:244 Resp: 40117
 Ion Ratio Lower Upper
 244 100
 212 10.8 5.5 8.3#
 122 35.6 9.0 13.4#



#32
 Benzo(a)anthracene
 Concen: 6.895 ng
 RT: 21.238 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: BN016531.D
 Acq: 27 Sep 2021 04:27

Tgt Ion:228 Resp: 2836730
 Ion Ratio Lower Upper
 228 100
 226 30.2 20.8 31.2
 229 29.1 15.8 23.6#

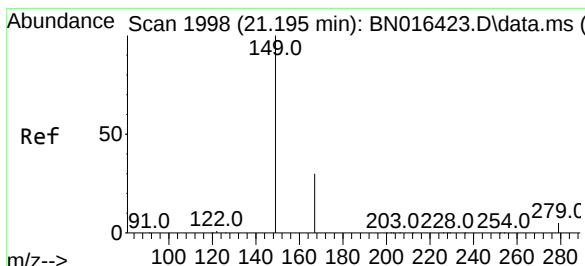
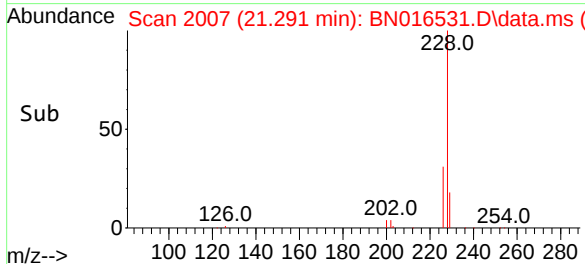
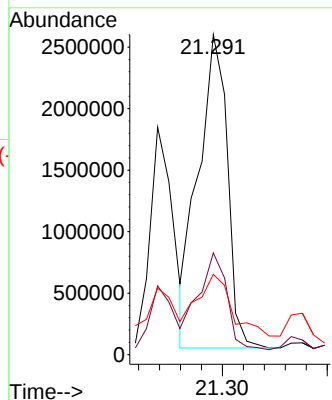
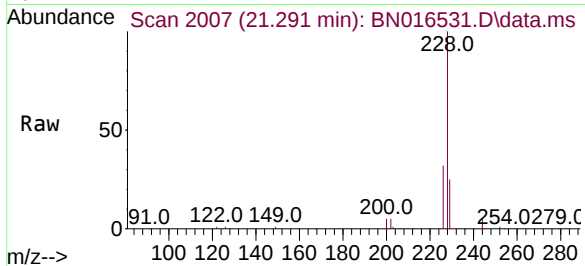




#33
Chrysene
Concen: 11.112 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

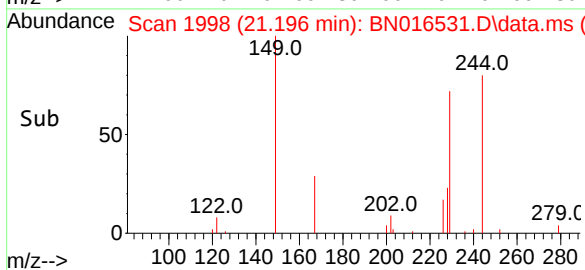
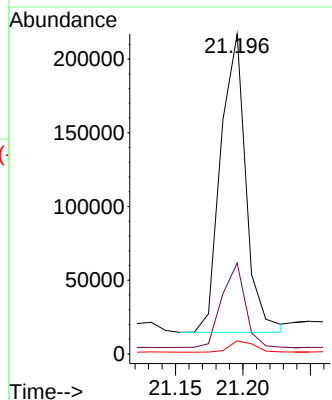
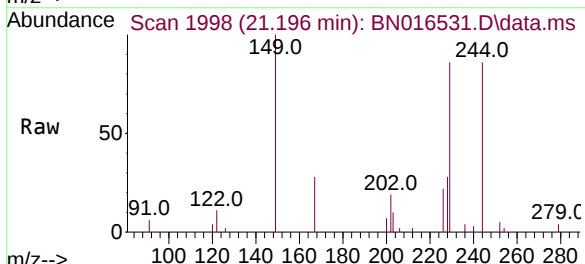
Instrument :
BNA_N
ClientSampleId :

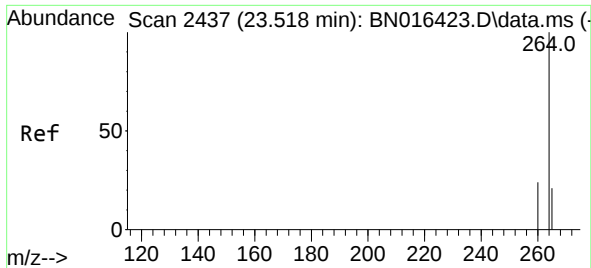
Tgt Ion:228 Resp: 4911306
Ion Ratio Lower Upper
228 100
226 31.8 23.0 34.4
229 25.1 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 2.346 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016531.D
Acq: 27 Sep 2021 04:27

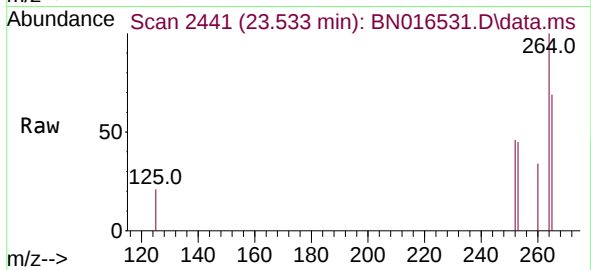
Tgt Ion:149 Resp: 263126
Ion Ratio Lower Upper
149 100
167 26.4 23.4 35.0
279 3.7 3.9 5.9#



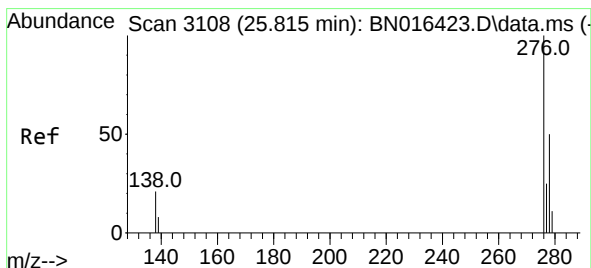
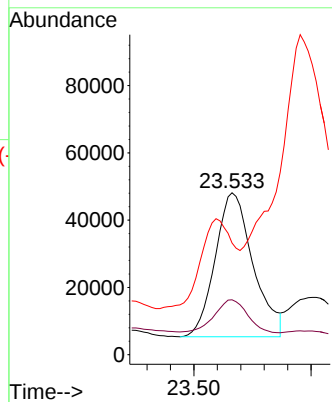
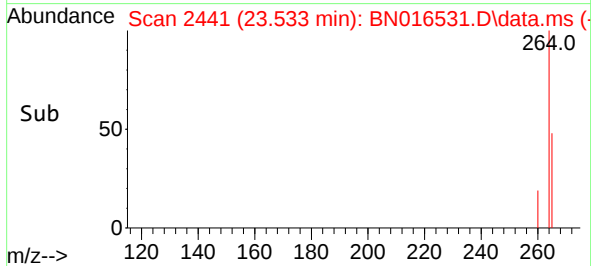


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.533 min Scan# 2441
 Delta R.T. 0.014 min
 Lab File: BN016531.D
 Acq: 27 Sep 2021 04:27

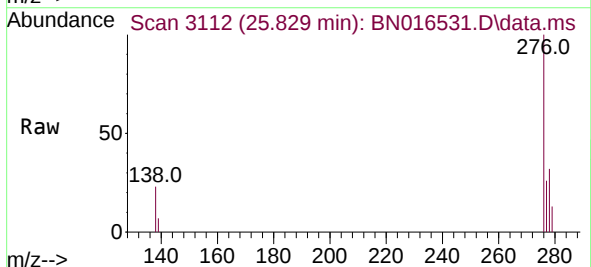
Instrument :
 BNA_N
 ClientSampled :



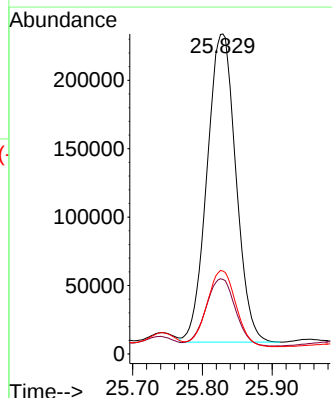
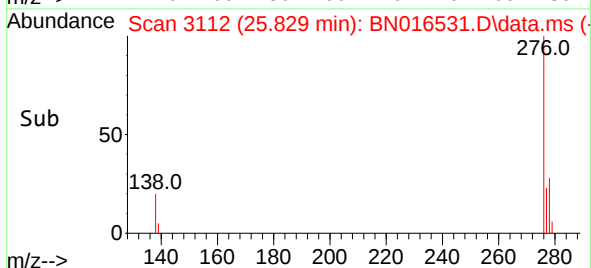
Tgt Ion:264 Resp: 96336
 Ion Ratio Lower Upper
 264 100
 260 33.9 18.9 28.3#
 265 69.0 23.7 35.5#

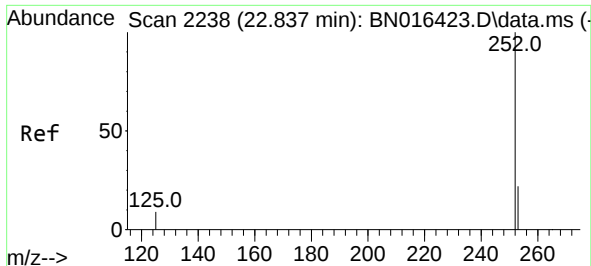


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.075 ng
 RT: 25.829 min Scan# 3112
 Delta R.T. 0.014 min
 Lab File: BN016531.D
 Acq: 27 Sep 2021 04:27



Tgt Ion:276 Resp: 647562
 Ion Ratio Lower Upper
 276 100
 138 22.5 19.3 28.9
 277 24.9 20.2 30.2





#37

Benzo(b)fluoranthene

Concen: 10.793 ng

RT: 22.855 min Scan# 2243

Delta R.T. 0.018 min

Lab File: BN016531.D

Acq: 27 Sep 2021 04:27

Instrument :

BNA_N

ClientSampleId :

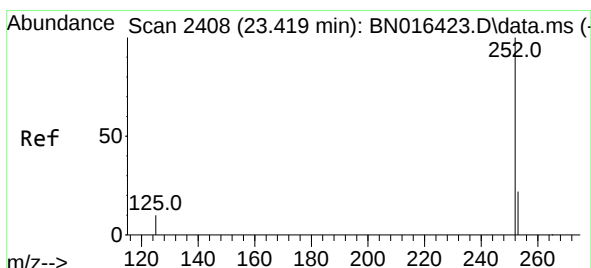
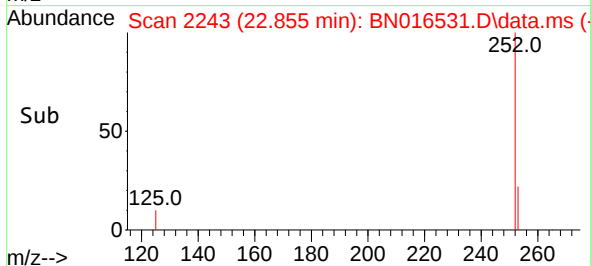
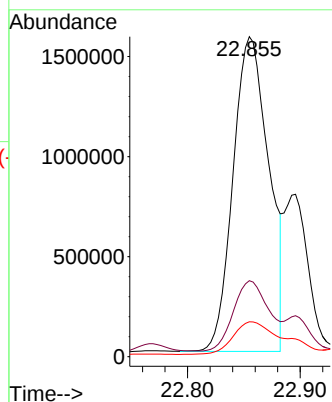
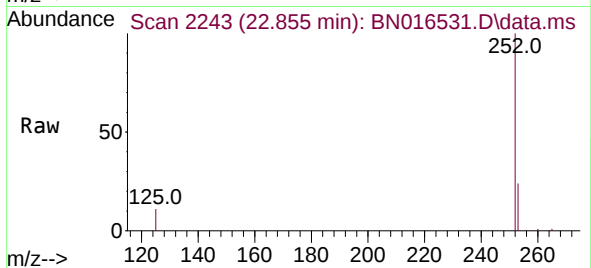
Tgt Ion:252 Resp: 3473948

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 10.9 8.4 12.6



#39

Benzo(a)pyrene

Concen: 6.979 ng

RT: 23.437 min Scan# 2413

Delta R.T. 0.017 min

Lab File: BN016531.D

Acq: 27 Sep 2021 04:27

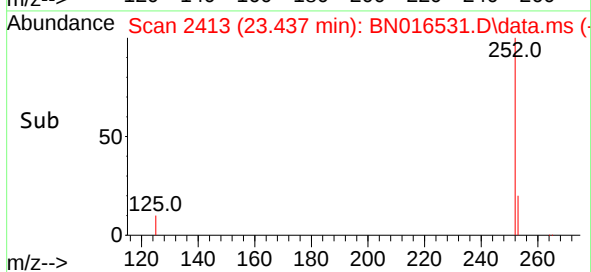
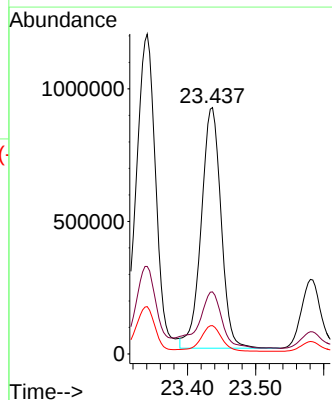
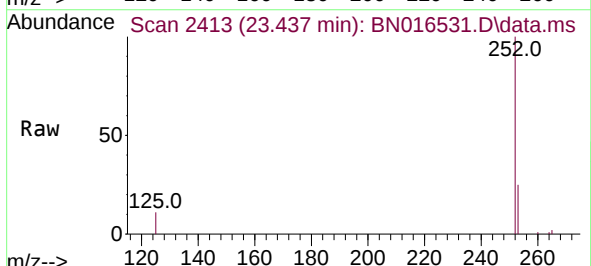
Tgt Ion:252 Resp: 1831467

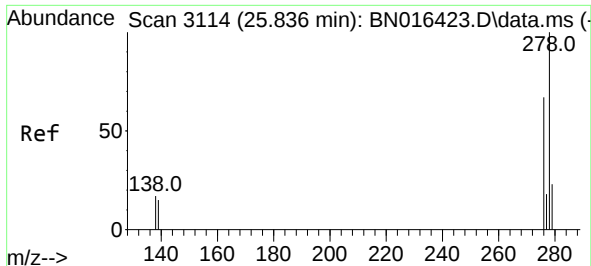
Ion Ratio Lower Upper

252 100

253 25.2 18.7 28.1

125 11.5 9.9 14.9





#40

Dibenzo(a,h)anthracene

Concen: 0.898 ng

RT: 25.833 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BN016531.D

Acq: 27 Sep 2021 04:27

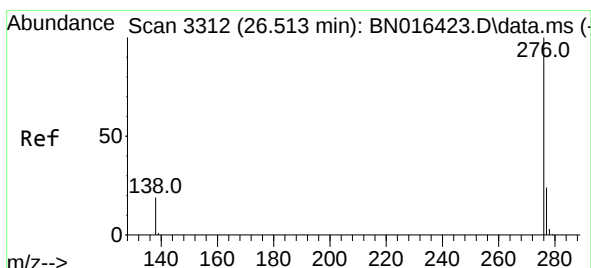
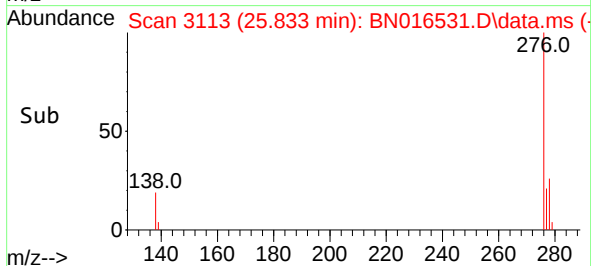
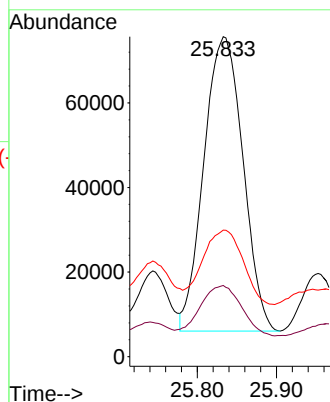
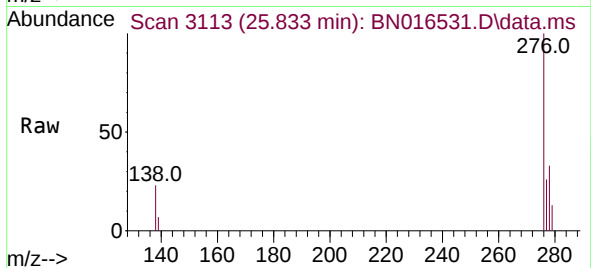
Tgt Ion:278 Resp: 238782

Ion Ratio Lower Upper

278 100

139 22.2 14.2 21.2#

279 39.5 21.3 31.9#



#41

Benzo(g,h,i)perylene

Concen: 2.214 ng

RT: 26.534 min Scan# 3318

Delta R.T. 0.021 min

Lab File: BN016531.D

Acq: 27 Sep 2021 04:27

Tgt Ion:276 Resp: 604499

Ion Ratio Lower Upper

276 100

277 25.4 20.5 30.7

138 22.7 18.2 27.4

