

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016539.D
 Acq On : 27 Sep 2021 09:15
 Operator : CG/JU
 Sample : M3892-06
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 11:02:04 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

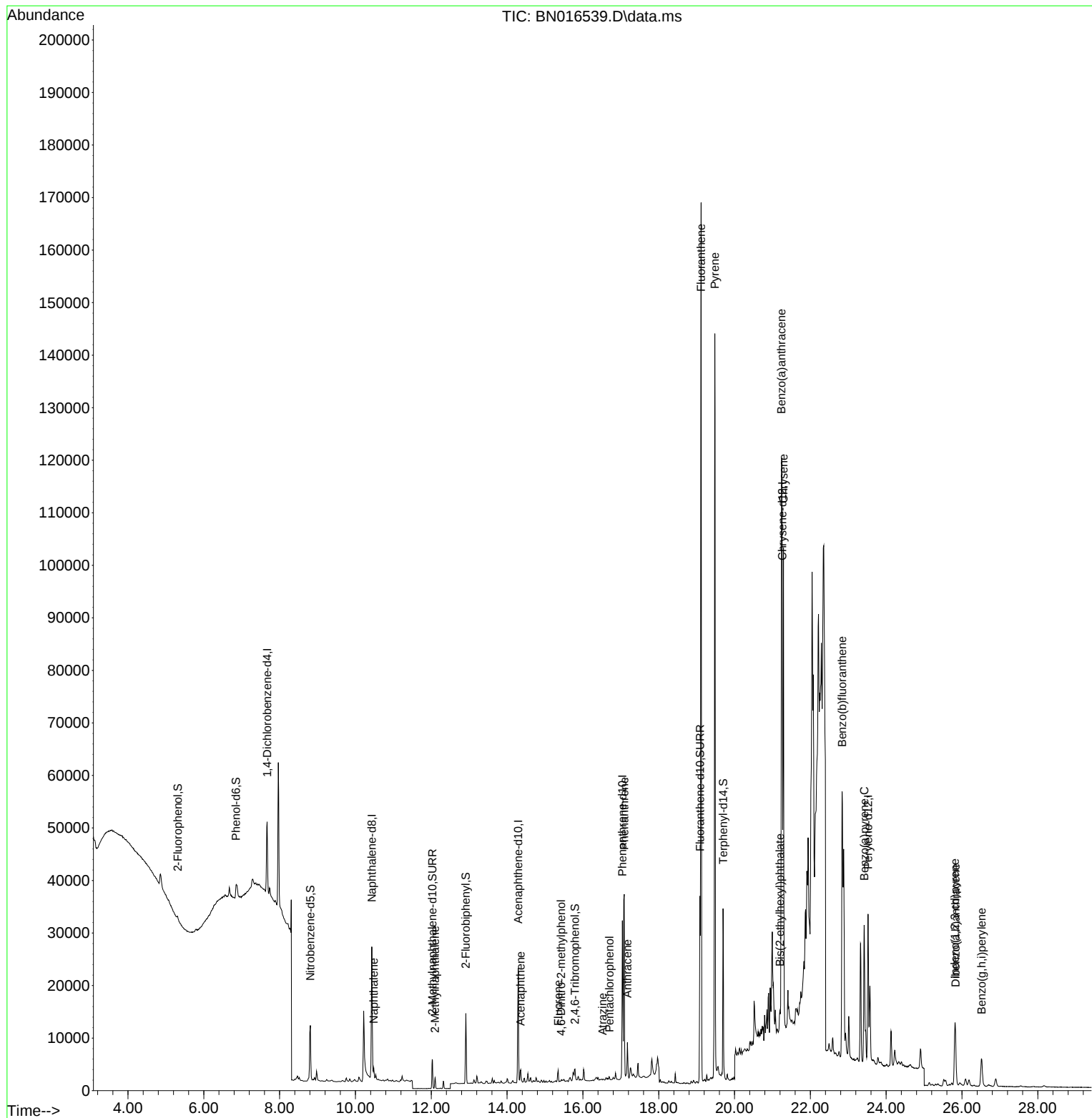
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	8216	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	30901	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	9646	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	38002	0.400	ng	0.00
29) Chrysene-d12	21.259	240	69053	0.400	ng	0.01
35) Perylene-d12	23.522	264	35424	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.310	112	628	0.034	ng	0.03
5) Phenol-d6	6.849	99	2105	0.097	ng	0.00
8) Nitrobenzene-d5	8.810	82	8715	0.398	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	7441	0.162	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1229	0.468	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	10985	0.271	ng	-0.01
27) Fluoranthene-d10	19.088	212	38603	0.370	ng	0.00
31) Terphenyl-d14	19.698	244	31440	0.196	ng	0.00
Target Compounds						
9) Naphthalene	10.483	128	2403	0.029	ng	# 90
12) 2-Methylnaphthalene	12.101	142	1425	0.027	ng	# 92
17) Acenaphthene	14.358	154	845	0.030	ng	# 52
18) Fluorene	15.347	166	1422	0.043	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.423	198	15	0.151	ng	# 1
23) Atrazine	16.519	200	12	0.136	ng	# 1
24) Pentachlorophenol	16.701	266	18	0.246	ng	# 34
25) Phenanthrene	17.091	178	41790	0.369	ng	97
26) Anthracene	17.176	178	6353	0.067	ng	# 93
28) Fluoranthene	19.118	202	141569	1.142	ng	99
30) Pyrene	19.480	202	126151	0.583	ng	# 95
32) Benzo(a)anthracene	21.238	228	81144	0.405	ng	98
33) Chrysene	21.291	228	81564	0.379	ng	98
34) Bis(2-ethylhexyl)phtha...	21.196	149	5335	0.098	ng	# 83
36) Indeno(1,2,3-cd)pyrene	25.815	276	16913	0.147	ng	98
37) Benzo(b)fluoranthene	22.838	252	80608	0.681	ng	98
39) Benzo(a)pyrene	23.419	252	39033	0.404	ng	97
40) Dibenzo(a,h)anthracene	25.829	278	5843	0.060	ng	# 64
41) Benzo(g,h,i)perylene	26.517	276	11356	0.113	ng	98

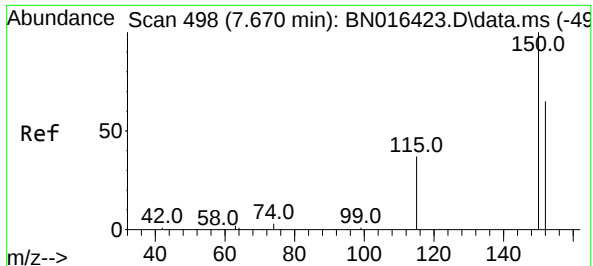
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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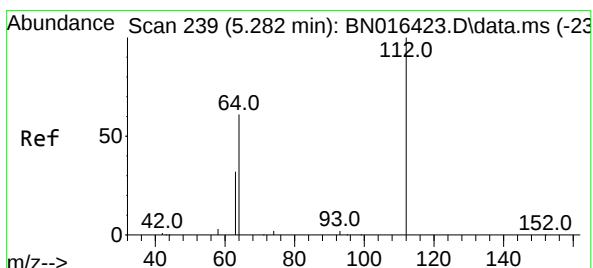
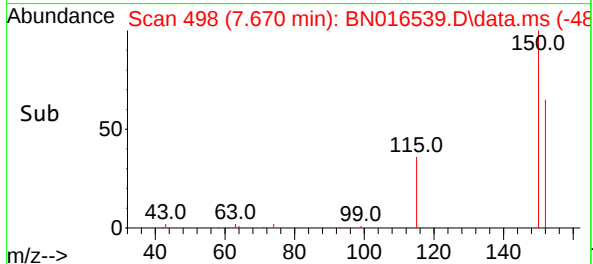
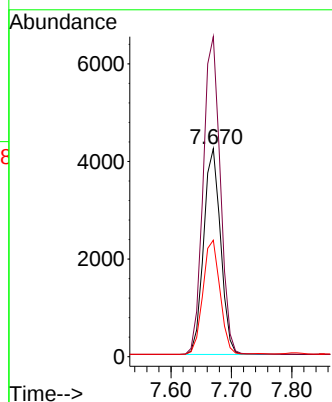
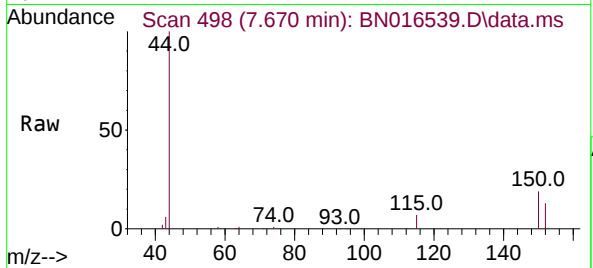




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. 0.000 min
 Lab File: BN016539.D
 Acq: 27 Sep 2021 09:15

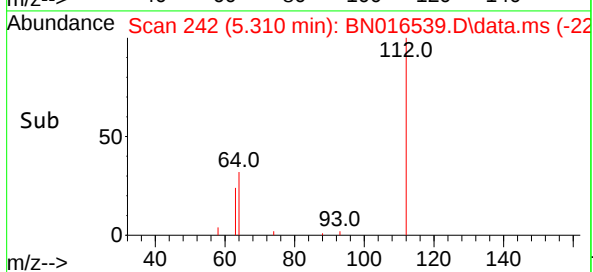
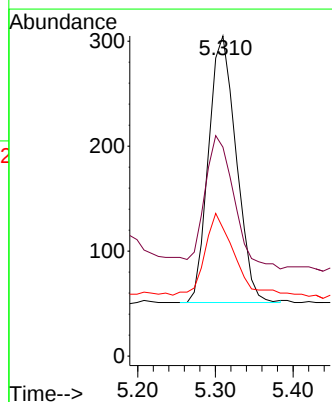
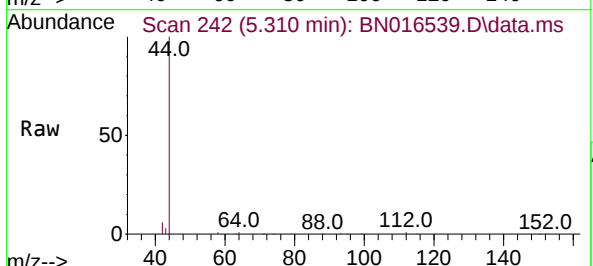
Instrument :
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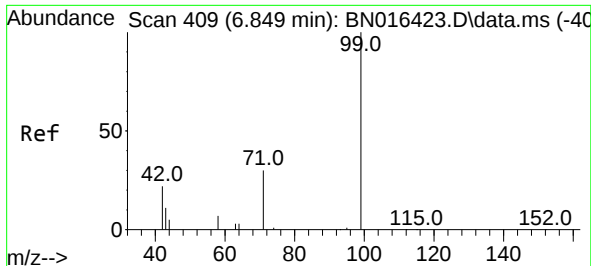
Tgt Ion:152 Resp: 8216
 Ion Ratio Lower Upper
 152 100
 150 153.8 125.6 188.4
 115 56.0 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.034 ng
 RT: 5.310 min Scan# 242
 Delta R.T. 0.028 min
 Lab File: BN016539.D
 Acq: 27 Sep 2021 09:15

Tgt Ion:112 Resp: 628
 Ion Ratio Lower Upper
 112 100
 64 52.9 47.3 70.9
 63 31.8 23.4 35.0

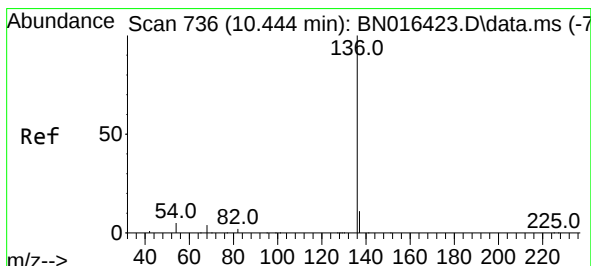
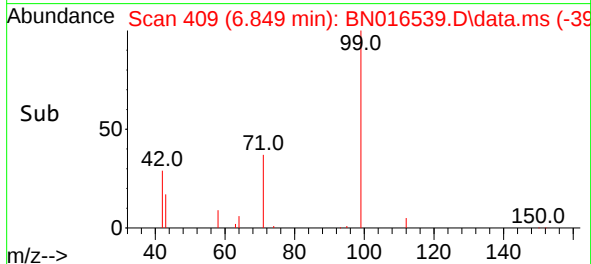
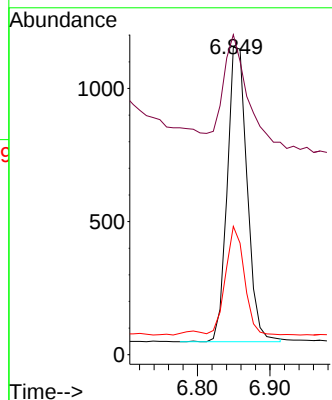
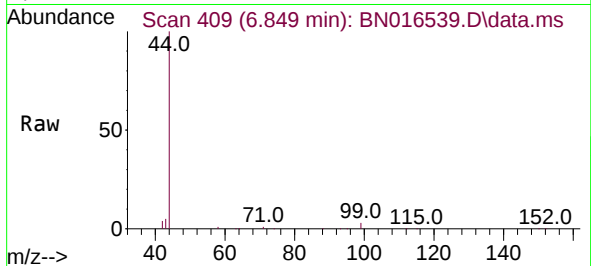




#5
Phenol-d6
Concen: 0.097 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

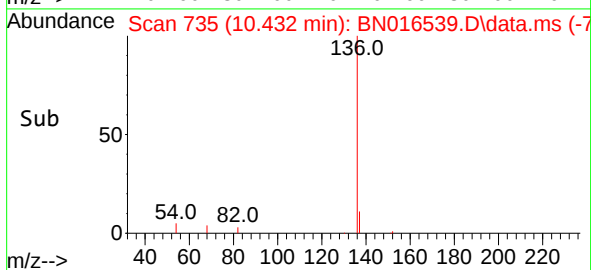
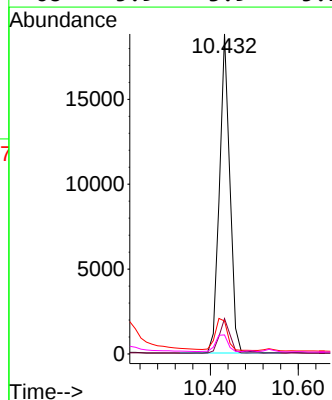
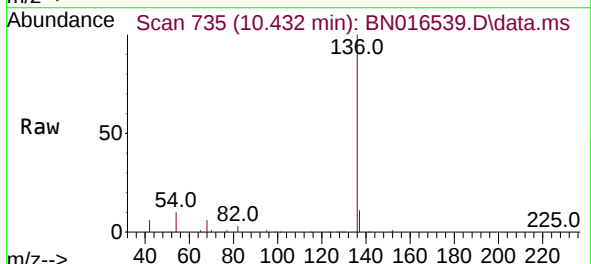
Instrument :
BNA_N
ClientSampled :

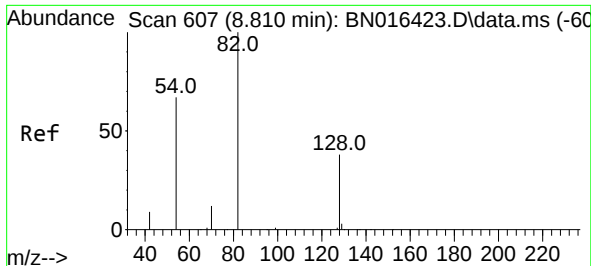
Tgt Ion: 99 Resp: 2105
Ion Ratio Lower Upper
99 100
42 41.4 14.0 21.0#
71 34.8 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion: 136 Resp: 30901
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.3 5.3 7.9#
68 5.9 3.9 5.9#

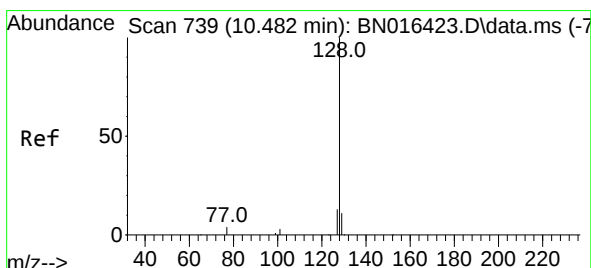
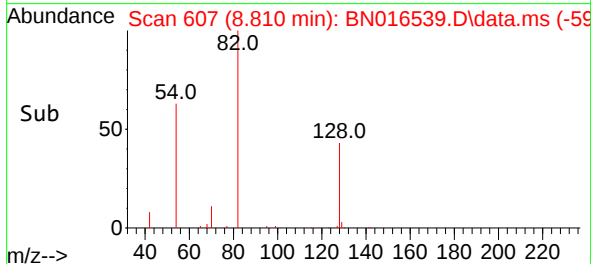
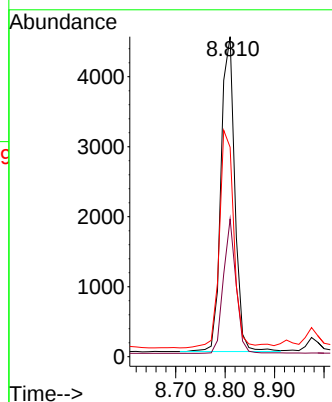
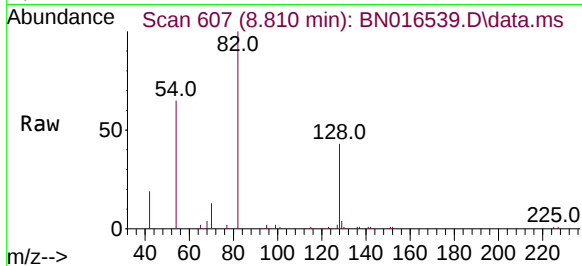




#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

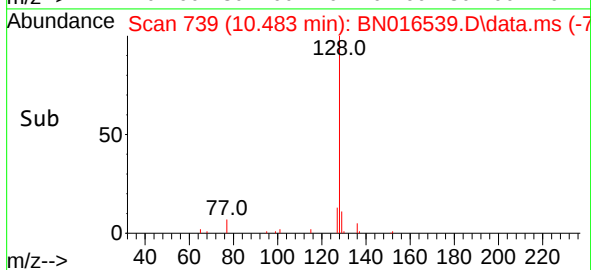
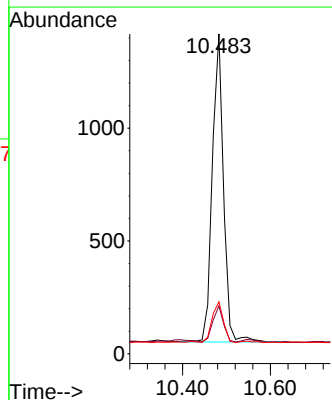
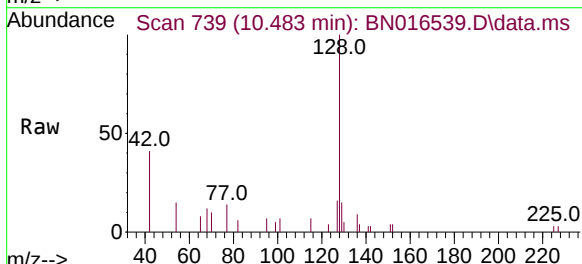
Instrument :
BNA_N
ClientSampleId :

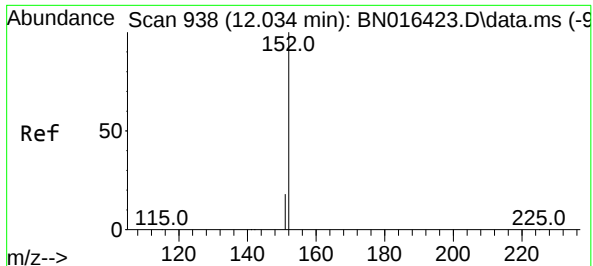
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.7	47.5
54	65.5	46.4	69.6



#9
Naphthalene
Concen: 0.029 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.0	8.9	13.3#
127	16.3	10.1	15.1#

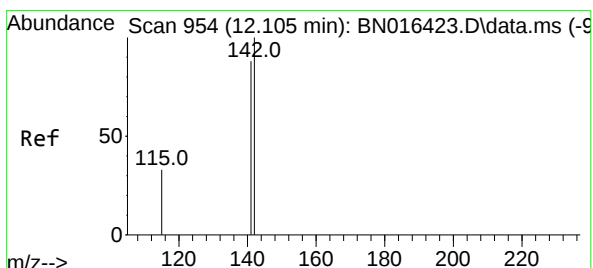
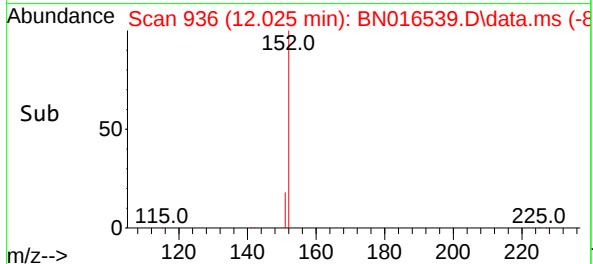
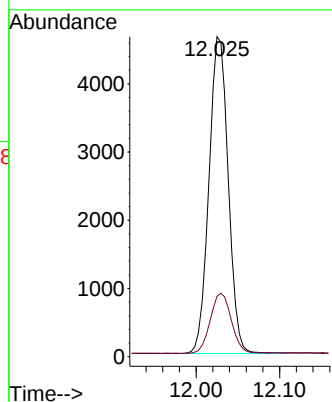
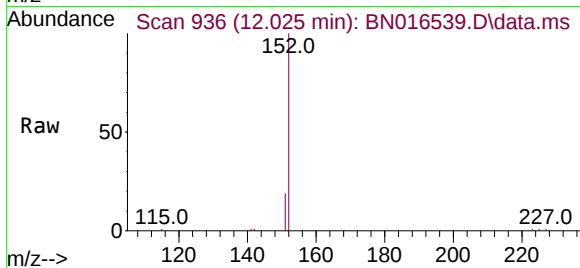




#11
2-Methylnaphthalene-d10
Concen: 0.162 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

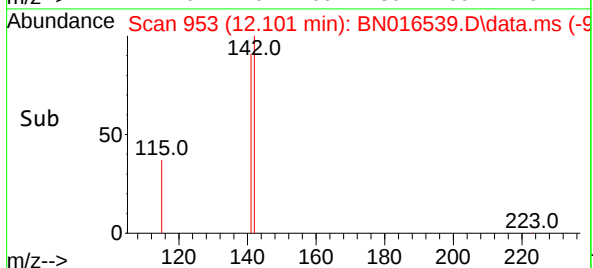
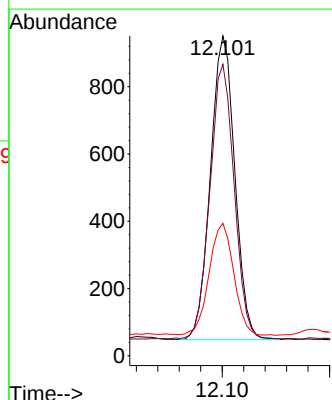
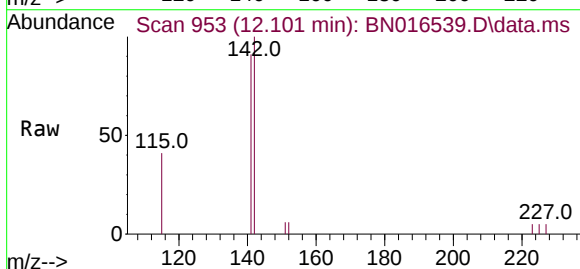
Instrument :
BNA_N
ClientSampled :

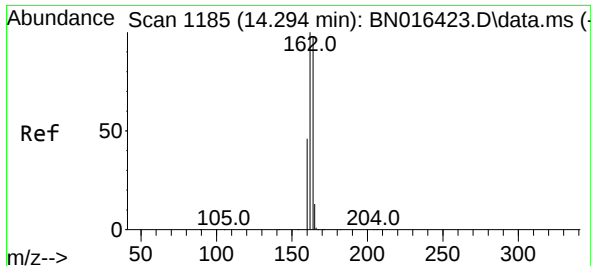
Tgt Ion:152 Resp: 7441
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.027 ng
RT: 12.101 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:142 Resp: 1425
Ion Ratio Lower Upper
142 100
141 91.2 69.8 104.8
115 41.4 24.4 36.6#

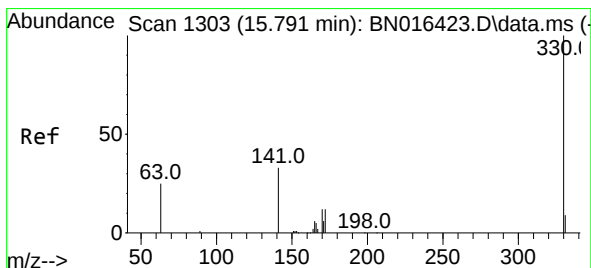
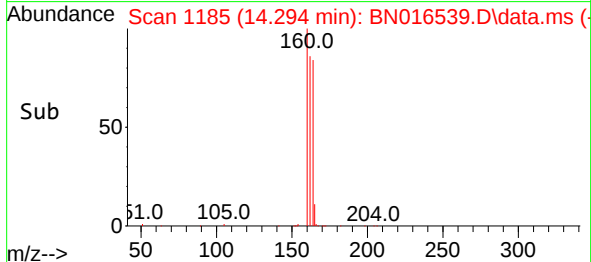
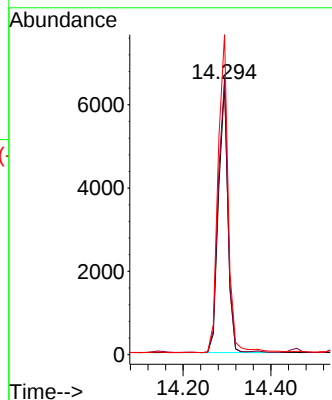
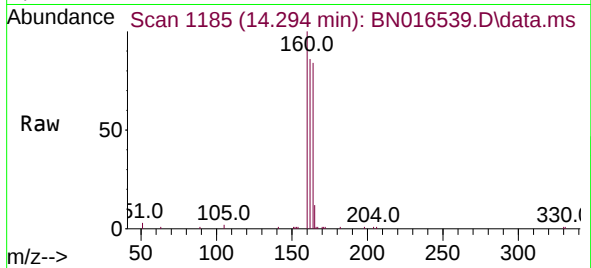




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

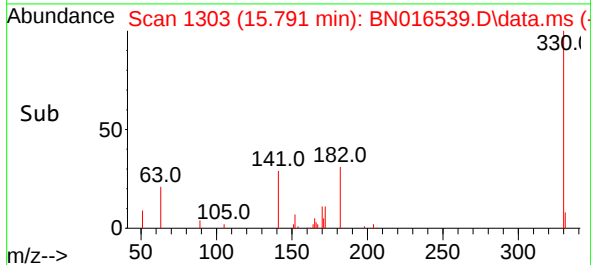
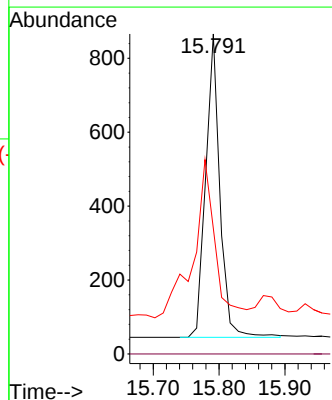
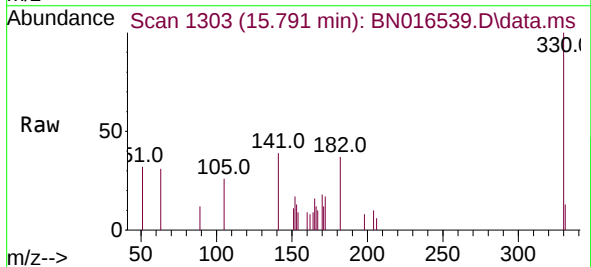
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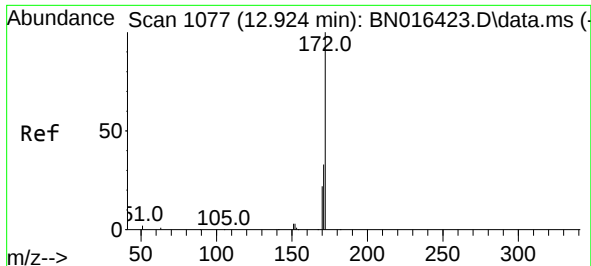
Tgt Ion:164 Resp: 9646
Ion Ratio Lower Upper
164 100
162 101.9 79.0 118.4
160 118.4 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:330 Resp: 1229
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 70.7 25.0 37.4#

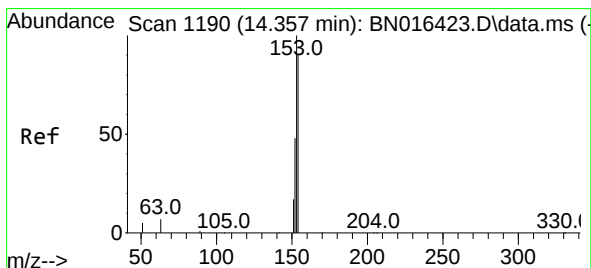
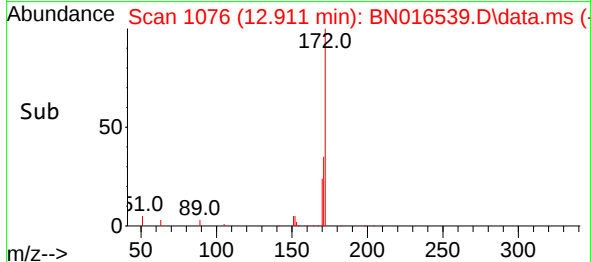
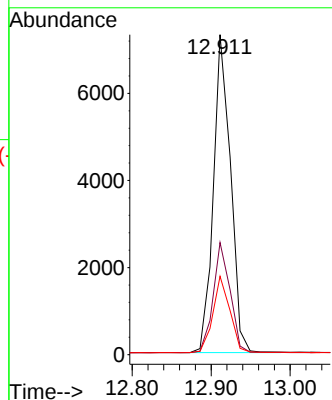
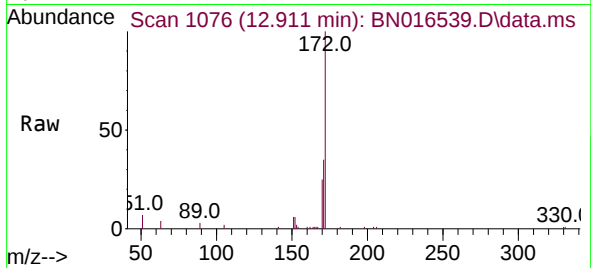




#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

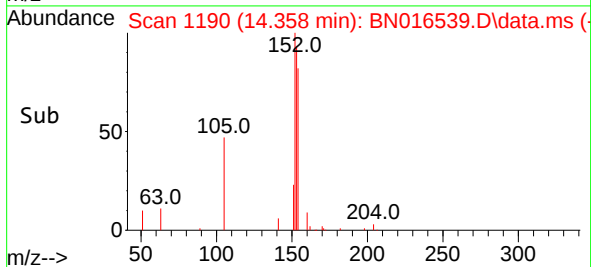
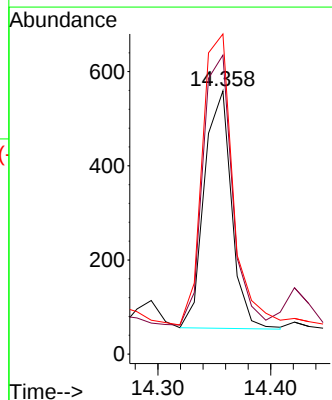
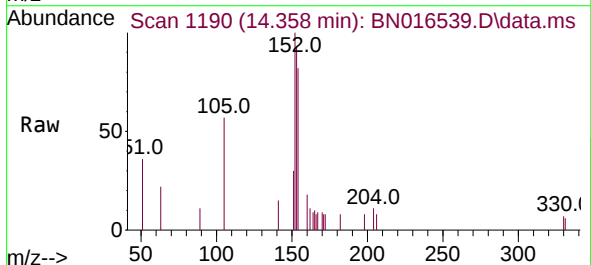
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ClientSampleId :

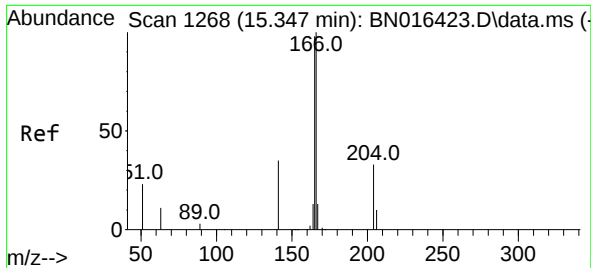
Tgt Ion:172	Resp:	10985
Ion Ratio	Lower	Upper
172	100	
171	35.0	27.8 41.6
170	24.5	18.2 27.2



#17
Acenaphthene
Concen: 0.030 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:154	Resp:	845
Ion Ratio	Lower	Upper
154	100	
153	122.6	89.3 133.9
152	142.1	42.2 63.4#

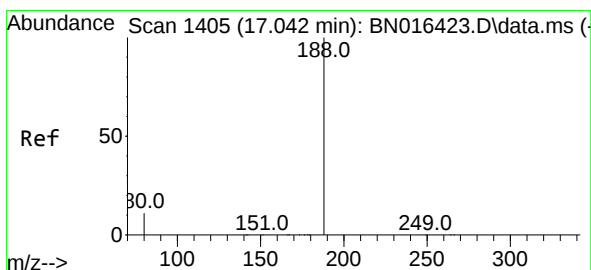
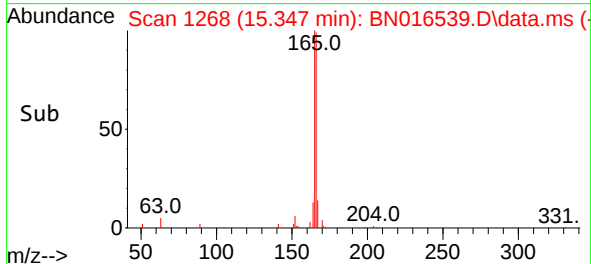
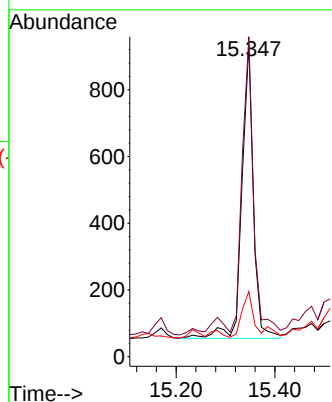
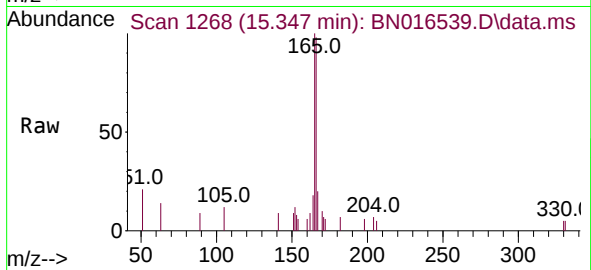




#18
Fluorene
Concen: 0.043 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

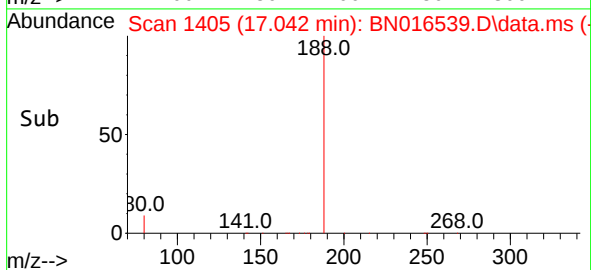
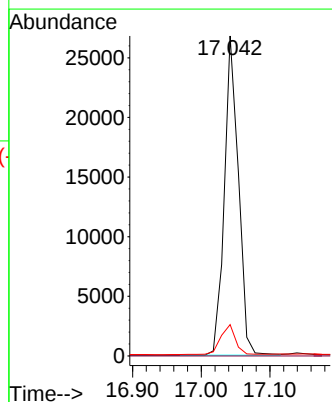
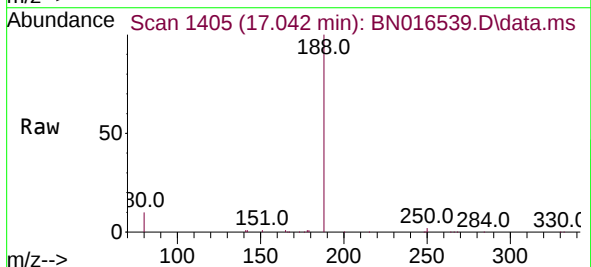
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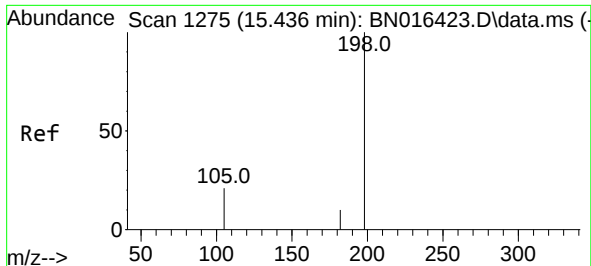
Tgt Ion:166 Resp: 1422
Ion Ratio Lower Upper
166 100
165 98.5 76.7 115.1
167 18.2 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:188 Resp: 38002
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.8 7.0 10.6

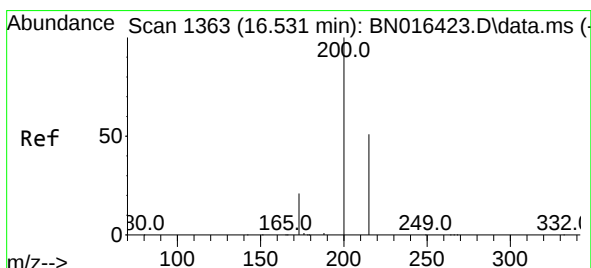
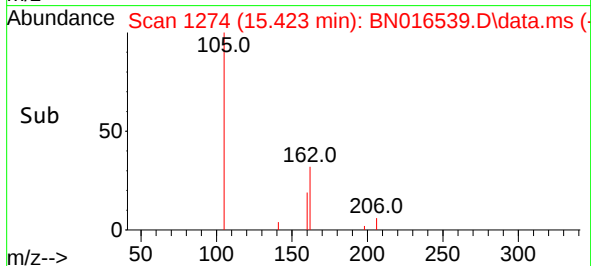
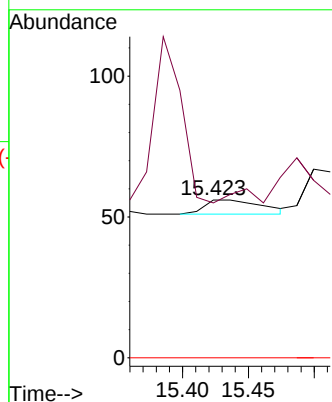
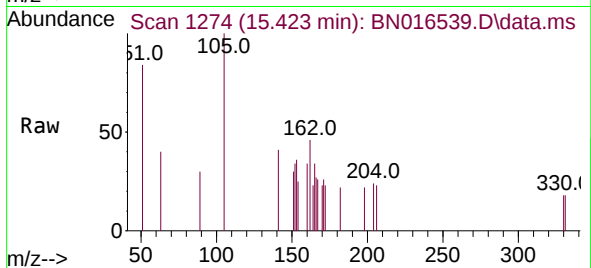




#20
4,6-Dinitro-2-methylphenol
Concen: 0.151 ng
RT: 15.423 min Scan# 1274
Delta R.T. -0.013 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

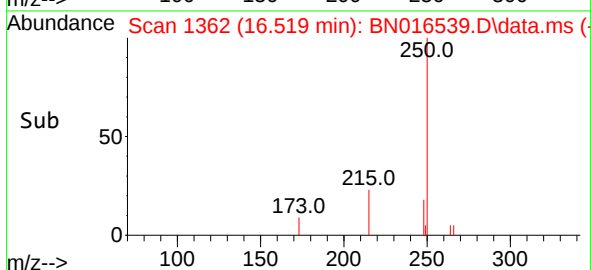
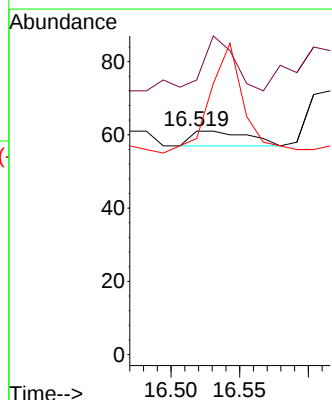
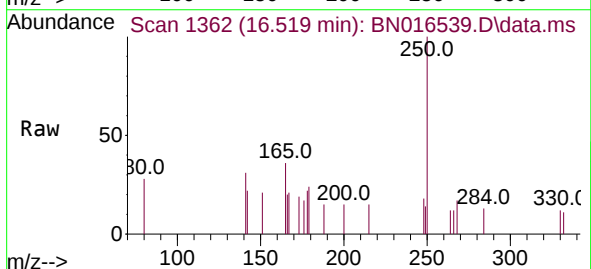
Instrument :
BNA_N
ClientSampleId :

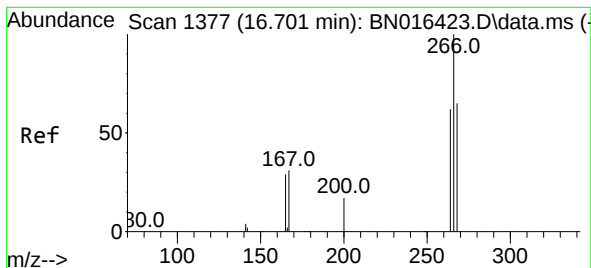
Tgt Ion:198 Resp: 15
Ion Ratio Lower Upper
198 100
182 98.2 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.136 ng
RT: 16.519 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:200 Resp: 12
Ion Ratio Lower Upper
200 100
173 123.0 18.7 28.1#
215 96.7 41.6 62.4#

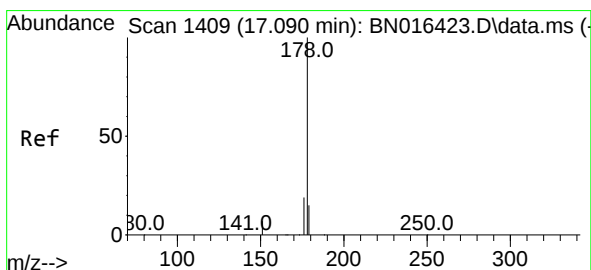
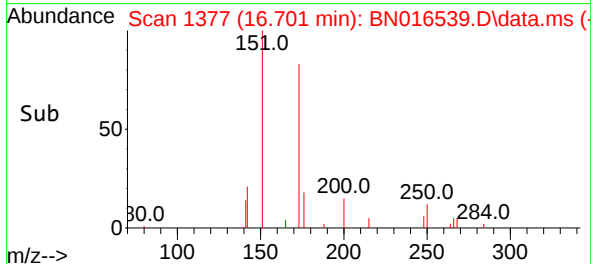
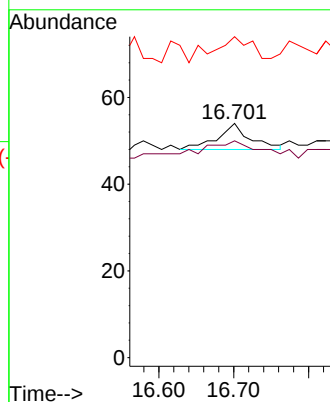
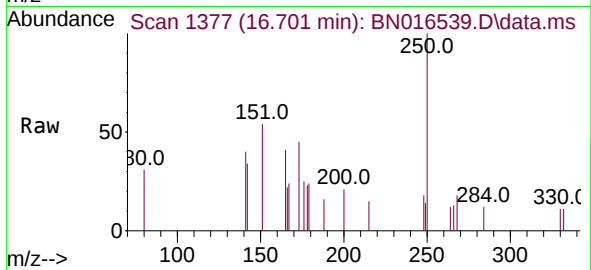




#24
Pentachlorophenol
Concen: 0.246 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

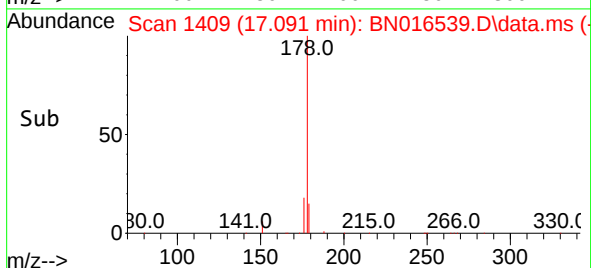
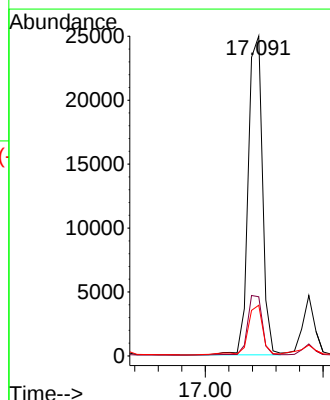
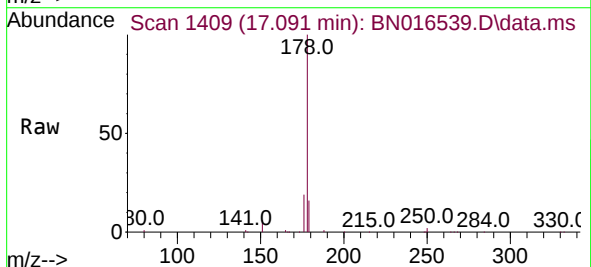
Instrument :
BNA_N
ClientSampled :

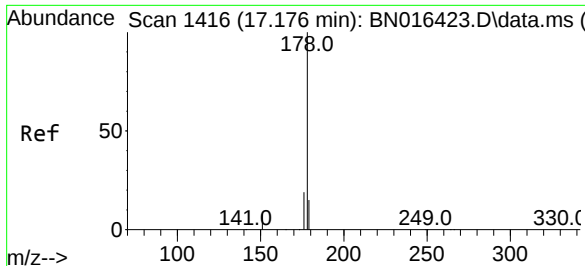
Tgt Ion:266 Resp: 18
Ion Ratio Lower Upper
266 100
264 111.1 50.6 75.8#
268 122.2 52.6 79.0#



#25
Phenanthrene
Concen: 0.369 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:178 Resp: 41790
Ion Ratio Lower Upper
178 100
176 19.2 14.4 21.6
179 16.2 12.2 18.4

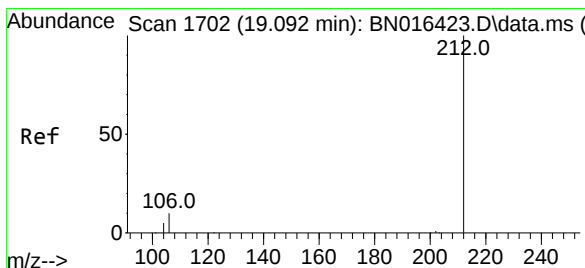
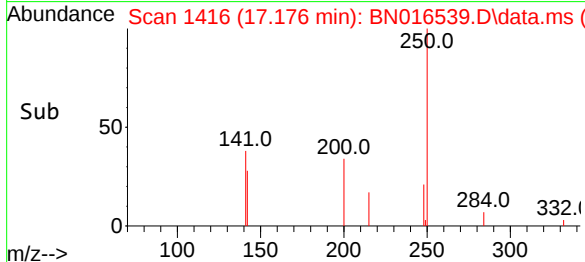
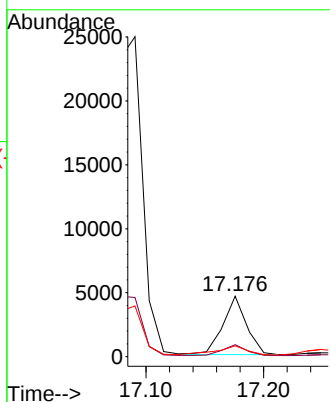
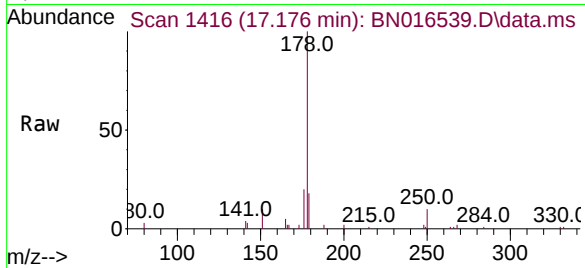




#26
 Anthracene
 Concen: 0.067 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016539.D
 Acq: 27 Sep 2021 09:15

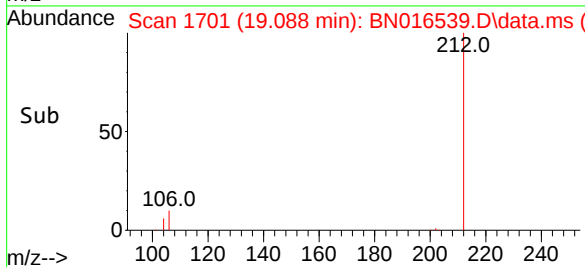
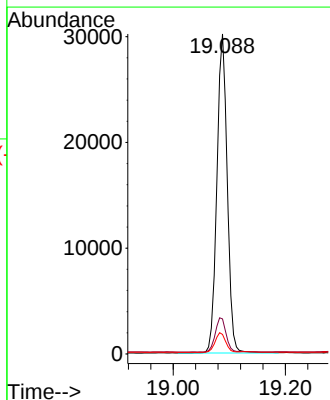
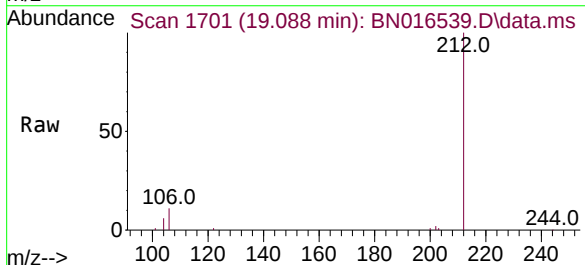
Instrument :
 BNA_N
 ClientSampleId :

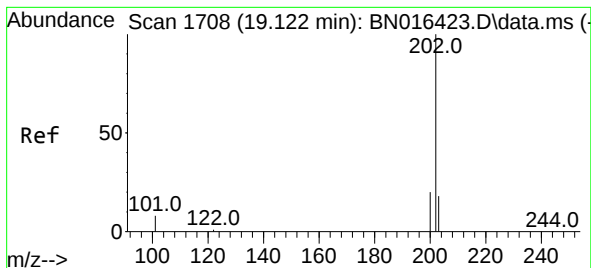
Tgt Ion:178 Resp: 6353
 Ion Ratio Lower Upper
 178 100
 176 18.6 13.9 20.9
 179 20.1 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.370 ng
 RT: 19.088 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016539.D
 Acq: 27 Sep 2021 09:15

Tgt Ion:212 Resp: 38603
 Ion Ratio Lower Upper
 212 100
 106 11.3 9.8 14.6
 104 6.3 5.4 8.2

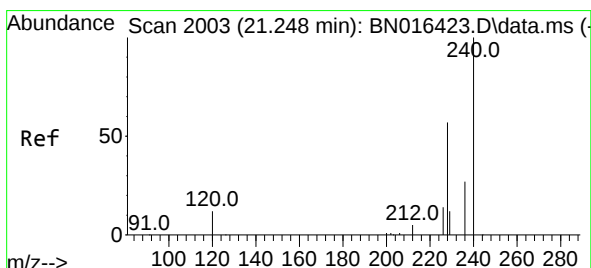
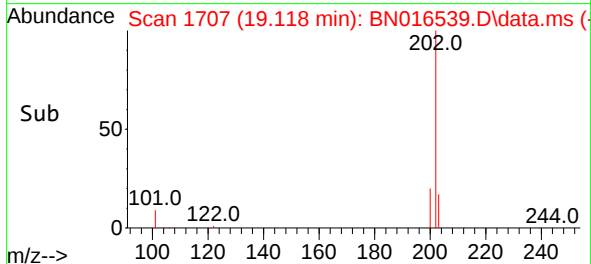
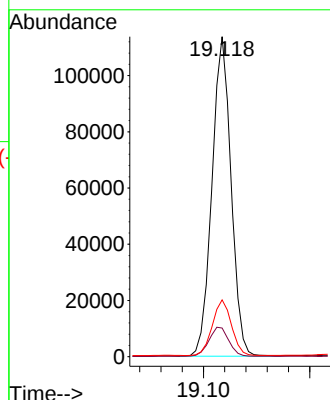
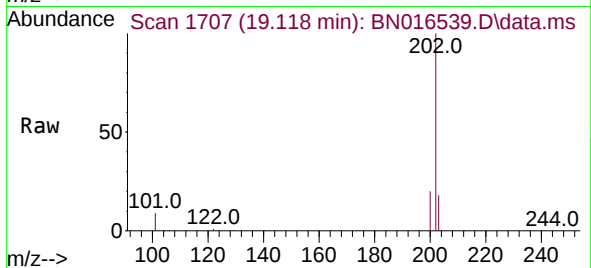




#28
Fluoranthene
Concen: 1.142 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

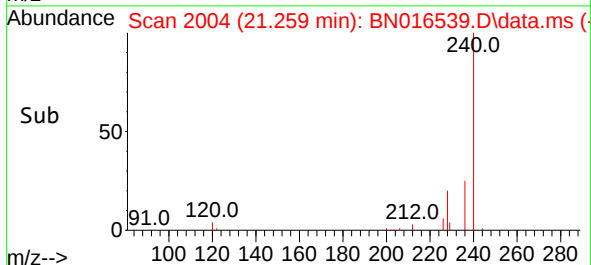
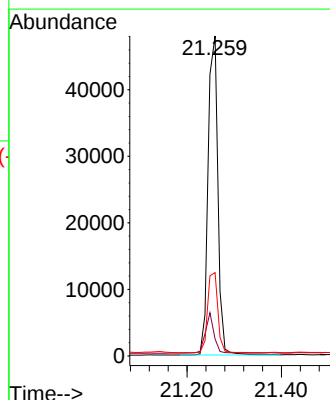
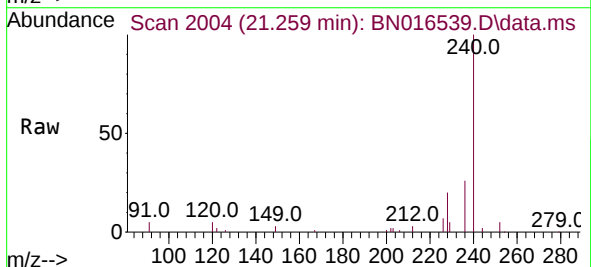
Instrument :
BNA_N
ClientSampleId :

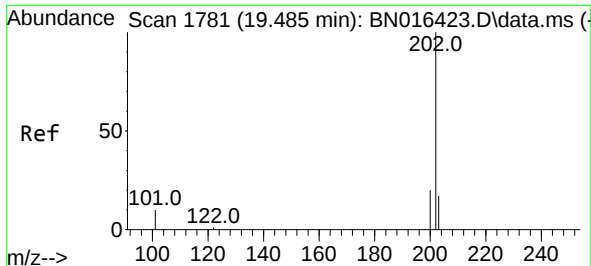
Tgt Ion:202 Resp: 141569
Ion Ratio Lower Upper
202 100
101 9.4 8.5 12.7
203 17.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:240 Resp: 69053
Ion Ratio Lower Upper
240 100
120 5.3 5.3 7.9
236 26.0 19.8 29.8

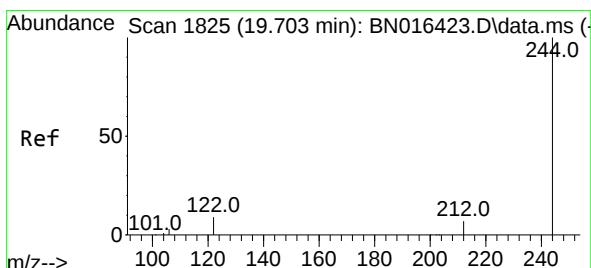
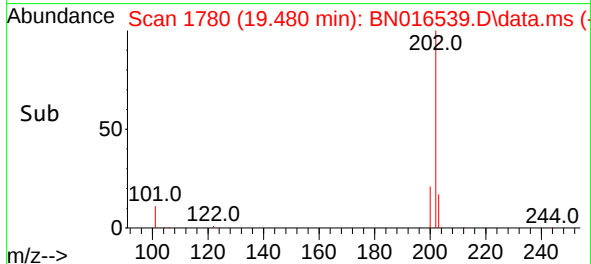
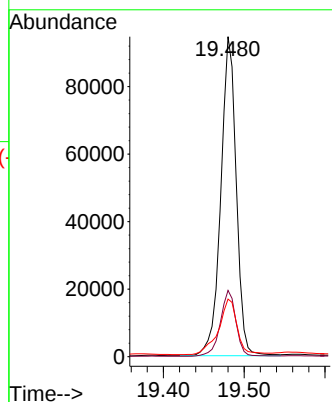
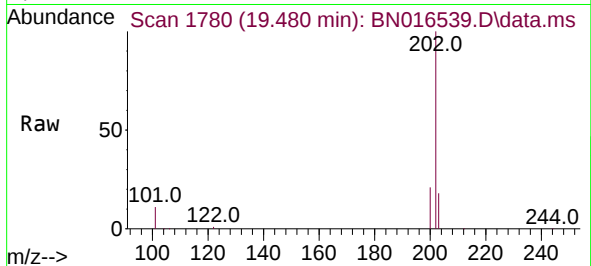




#30
Pyrene
Concen: 0.583 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

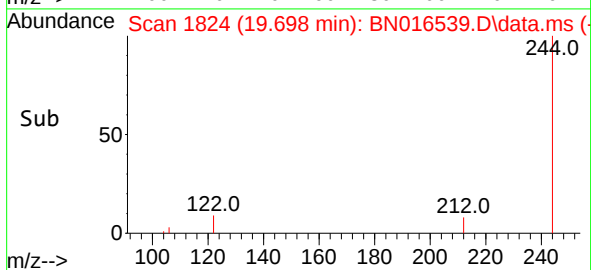
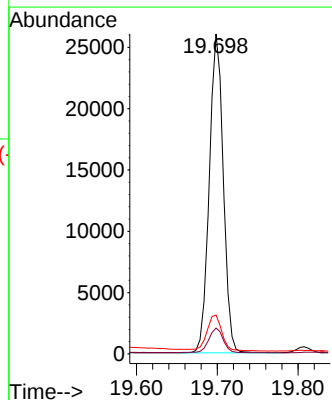
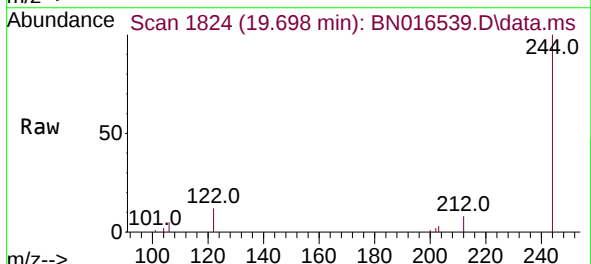
Instrument :
BNA_N
ClientSampleId :

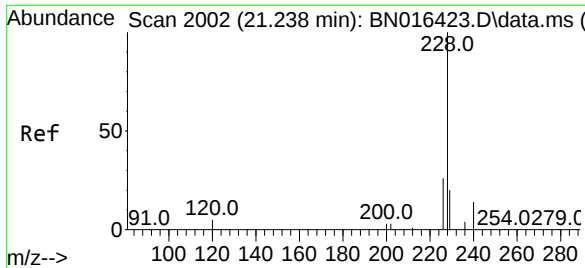
Tgt Ion:202 Resp: 126151
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 20.9 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.196 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:244 Resp: 31440
Ion Ratio Lower Upper
244 100
212 8.1 5.5 8.3
122 12.2 9.0 13.4

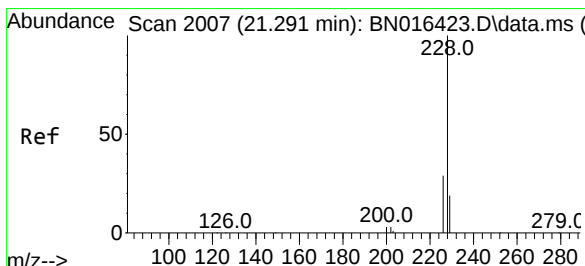
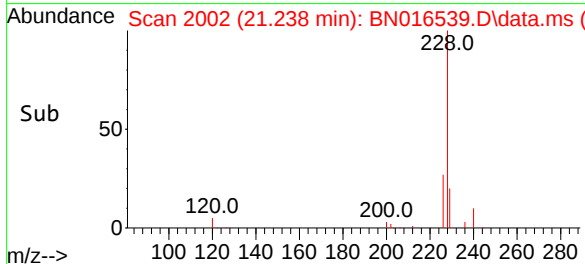
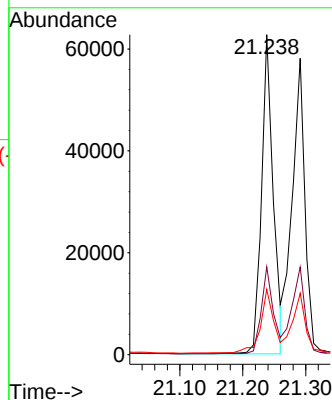
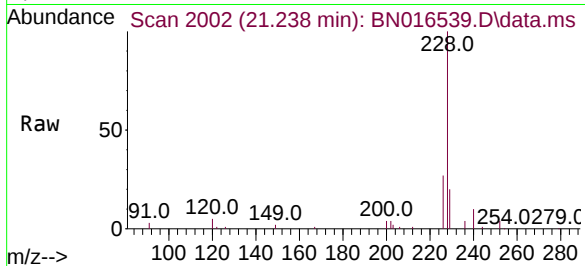




#32
Benzo(a)anthracene
Concen: 0.405 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

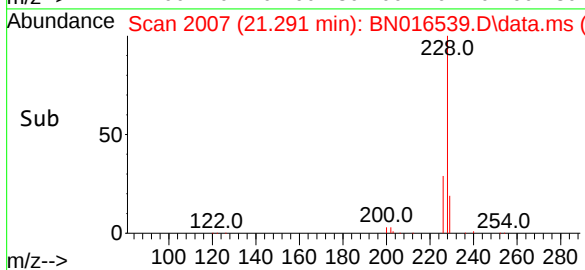
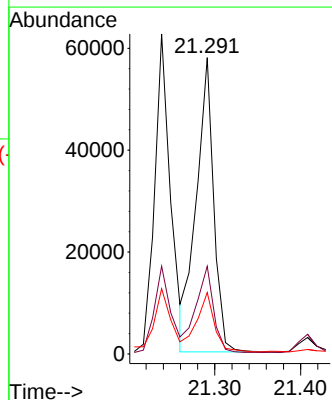
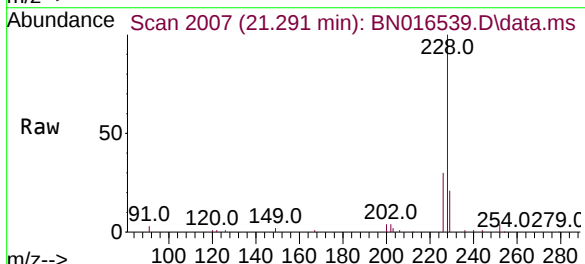
Instrument :
BNA_N
ClientSampleId :

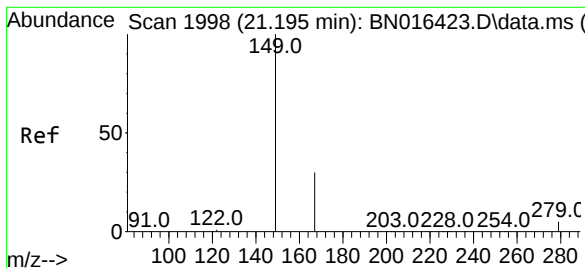
Tgt Ion:228 Resp: 81144
Ion Ratio Lower Upper
228 100
226 27.5 20.8 31.2
229 20.4 15.8 23.6



#33
Chrysene
Concen: 0.379 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:228 Resp: 81564
Ion Ratio Lower Upper
228 100
226 29.6 23.0 34.4
229 20.7 15.6 23.4

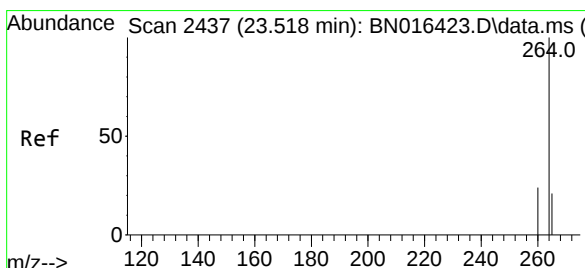
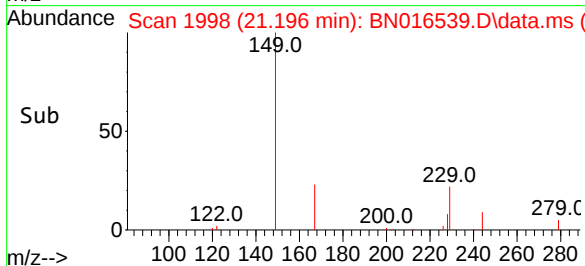
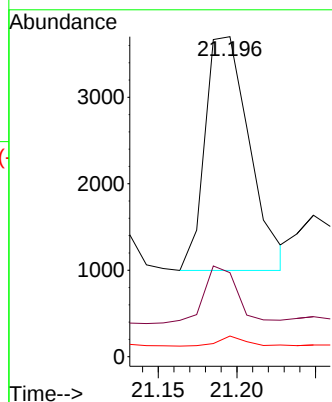
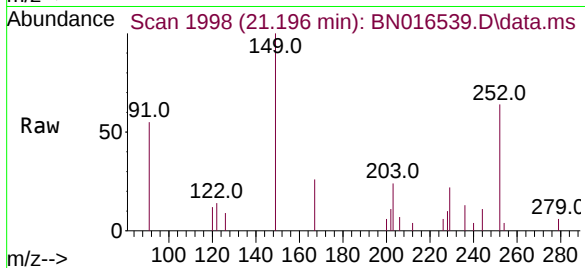




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.098 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

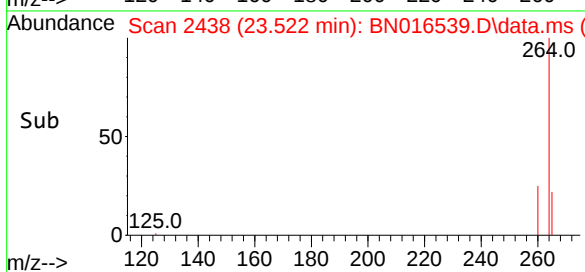
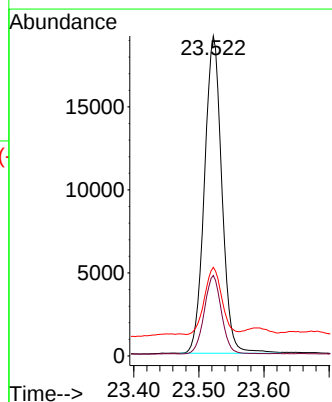
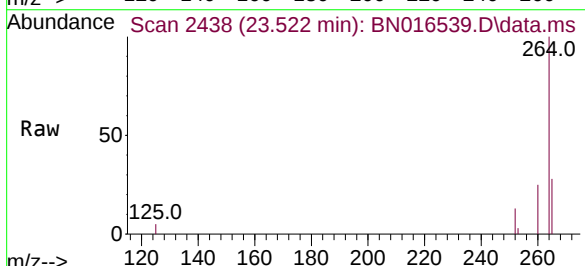
Instrument :
BNA_N
ClientSampleId :

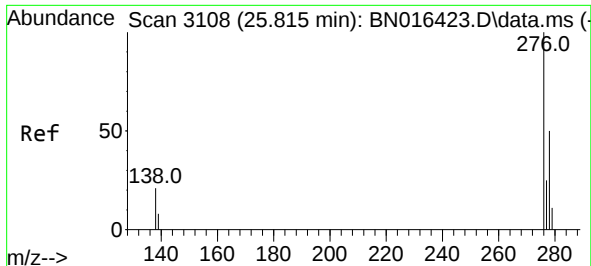
Tgt Ion:149 Resp: 5335
Ion Ratio Lower Upper
149 100
167 18.9 23.4 35.0#
279 2.8 3.9 5.9#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. 0.004 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:264 Resp: 35424
Ion Ratio Lower Upper
264 100
260 25.2 18.9 28.3
265 27.7 23.7 35.5

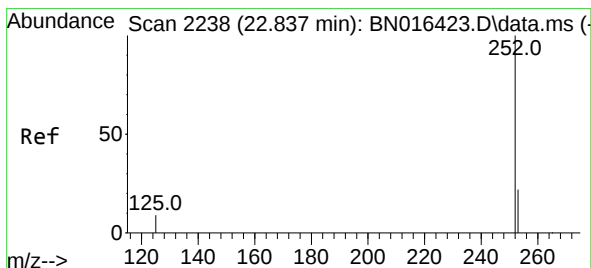
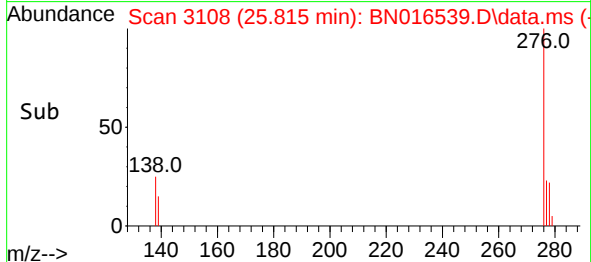
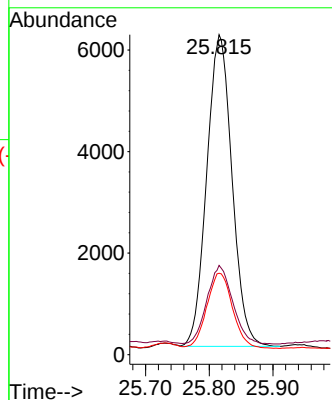
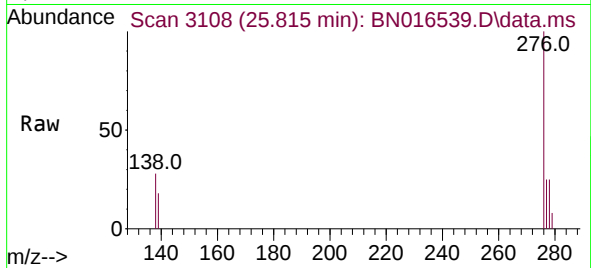




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.147 ng
RT: 25.815 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

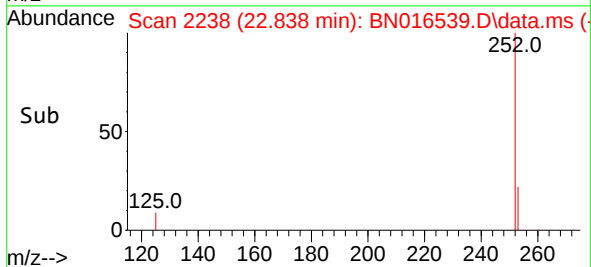
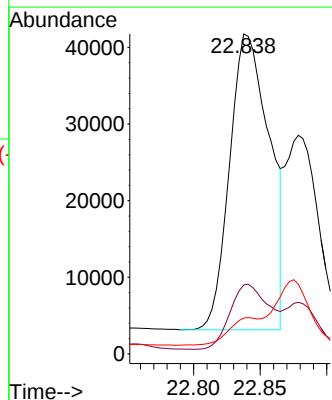
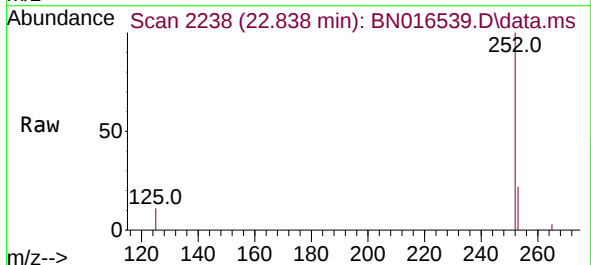
Instrument :
BNA_N
ClientSampleId :

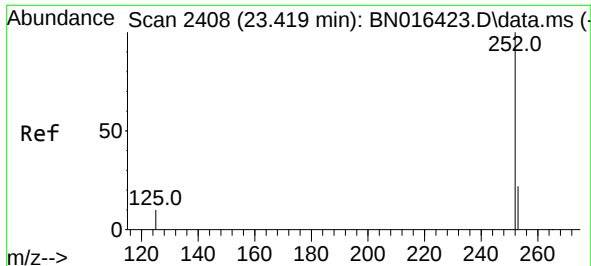
Tgt Ion:276 Resp: 16913
Ion Ratio Lower Upper
276 100
138 25.5 19.3 28.9
277 24.7 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.681 ng
RT: 22.838 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BN016539.D
Acq: 27 Sep 2021 09:15

Tgt Ion:252 Resp: 80608
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 11.2 8.4 12.6





#39

Benzo(a)pyrene

Concen: 0.404 ng

RT: 23.419 min Scan# 2408

Delta R.T. 0.000 min

Lab File: BN016539.D

Acq: 27 Sep 2021 09:15

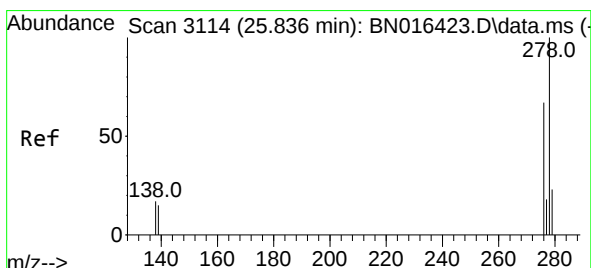
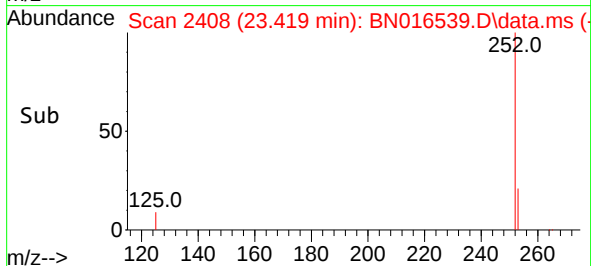
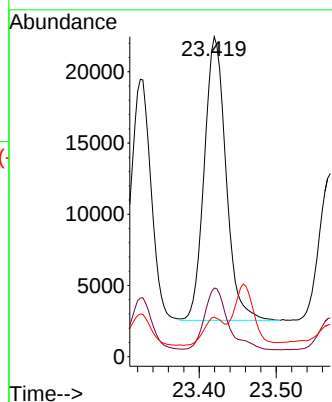
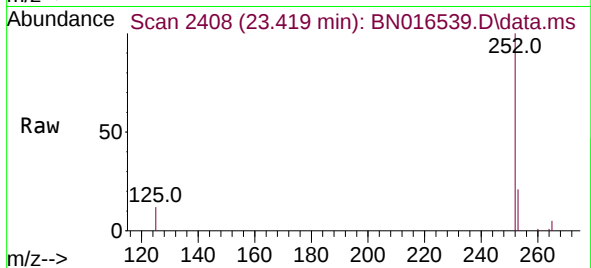
Tgt Ion:252 Resp: 39033

Ion Ratio Lower Upper

252 100

253 21.4 18.7 28.1

125 12.3 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.060 ng

RT: 25.829 min Scan# 3112

Delta R.T. -0.007 min

Lab File: BN016539.D

Acq: 27 Sep 2021 09:15

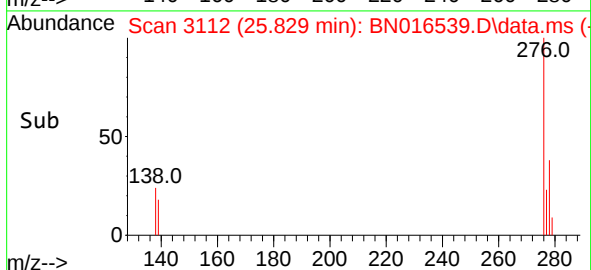
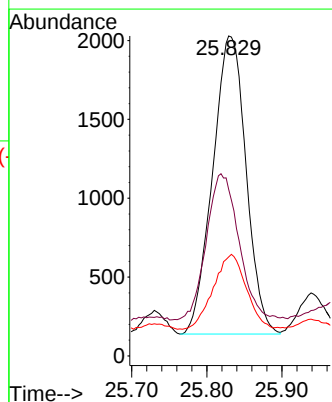
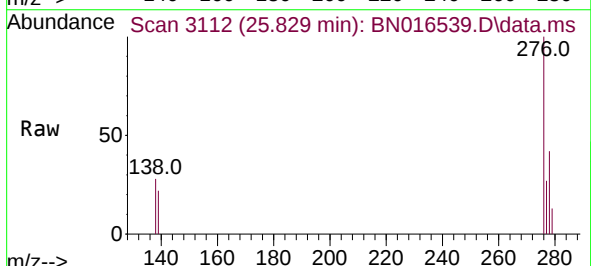
Tgt Ion:278 Resp: 5843

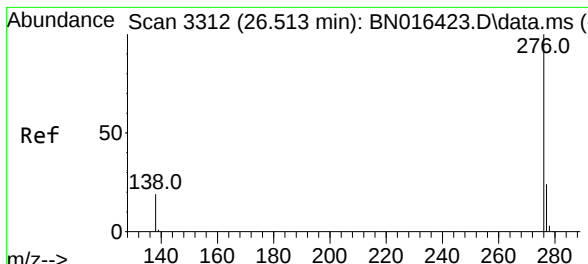
Ion Ratio Lower Upper

278 100

139 52.0 14.2 21.2#

279 31.0 21.3 31.9





#41
 Benzo(g,h,i)perylene
 Concen: 0.113 ng
 RT: 26.517 min Scan# 3313
 Delta R.T. 0.004 min
 Lab File: BN016539.D
 Acq: 27 Sep 2021 09:15

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:	276	Resp:	11356
Ion	Ratio	Lower	Upper
276	100		
277	26.3	20.5	30.7
138	24.5	18.2	27.4

