

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016521.D
 Acq On : 26 Sep 2021 21:14
 Operator : CG/JU
 Sample : M3892-04
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 05:32:32 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

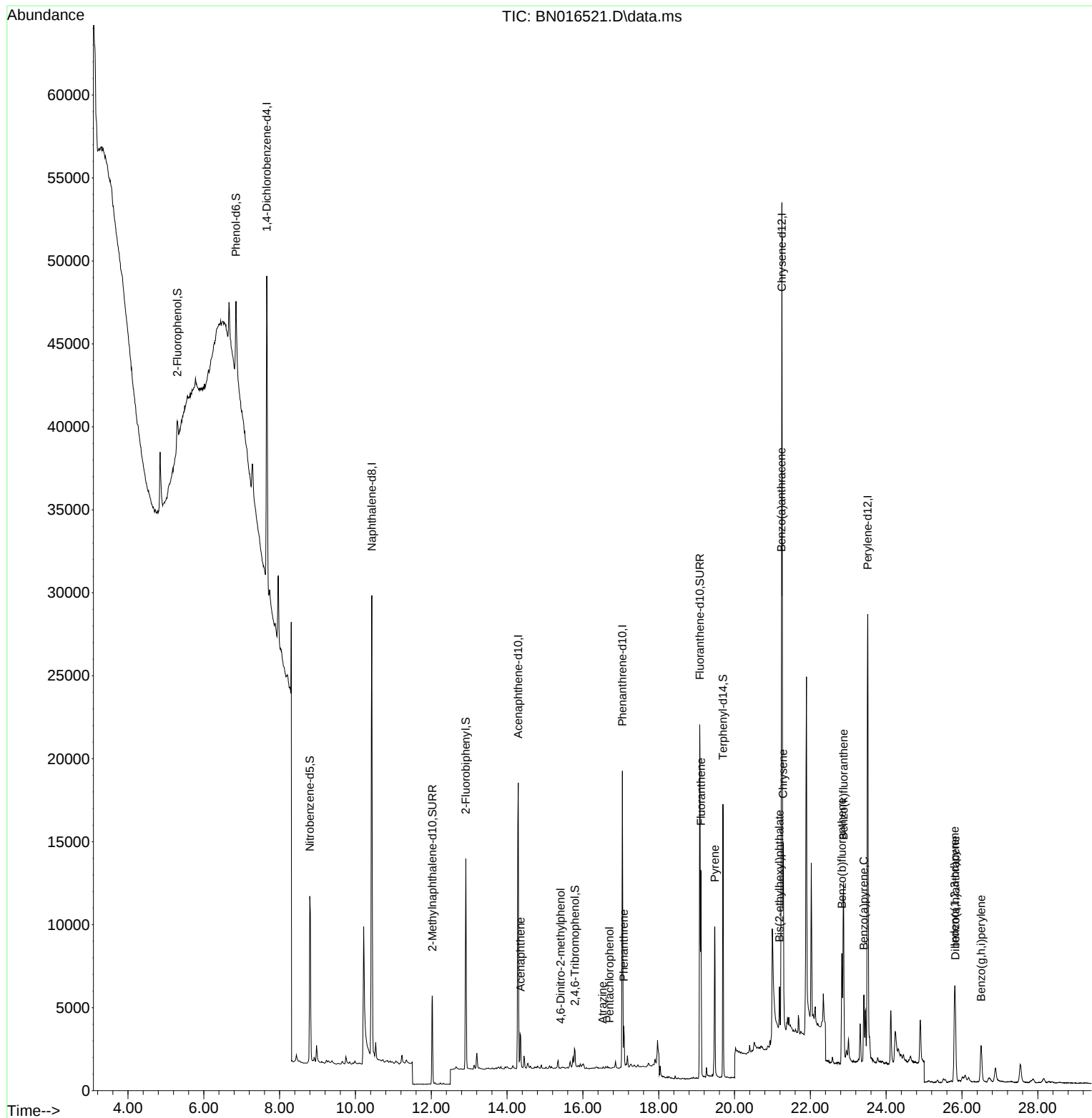
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	11087	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	36035	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	8443	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	22295	0.400	ng	0.00
29) Chrysene-d12	21.249	240	43008	0.400	ng	# 0.00
35) Perylene-d12	23.512	264	34825	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	1417	0.057	ng	0.02
5) Phenol-d6	6.849	99	3549	0.121	ng	0.00
8) Nitrobenzene-d5	8.797	82	8438	0.331	ng	-0.01
11) 2-Methylnaphthalene-d10	12.025	152	6997	0.131	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	784	0.374	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	10062	0.284	ng	-0.01
27) Fluoranthene-d10	19.083	212	23805	0.389	ng	0.00
31) Terphenyl-d14	19.693	244	16327	0.163	ng	0.00
Target Compounds						
17) Acenaphthene	14.358	154	818	0.034	ng	# 57
20) 4,6-Dinitro-2-methylph...	15.411	198	2	0.148	ng	# 1
23) Atrazine	16.519	200	5	0.135	ng	# 7
24) Pentachlorophenol	16.701	266	11	0.246	ng	# 47
25) Phenanthrene	17.078	178	2679	0.040	ng	# 93
28) Fluoranthene	19.113	202	11259	0.155	ng	98
30) Pyrene	19.480	202	8746	0.065	ng	# 94
32) Benzo(a)anthracene	21.238	228	10039	0.080	ng	97
33) Chrysene	21.281	228	10063	0.075	ng	96
34) Bis(2-ethylhexyl)phtha...	21.185	149	2160	0.064	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.805	276	7124	0.063	ng	# 93
37) Benzo(b)fluoranthene	22.831	252	9191	0.079	ng	# 97
38) Benzo(k)fluoranthene	22.875	252	11080	0.099	ng	# 74
39) Benzo(a)pyrene	23.413	252	6616	0.070	ng	97
40) Dibenzo(a,h)anthracene	25.826	278	4342	0.045	ng	# 79
41) Benzo(g,h,i)perylene	26.504	276	4665	0.047	ng	95

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

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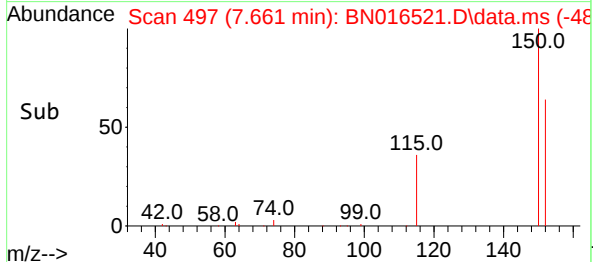
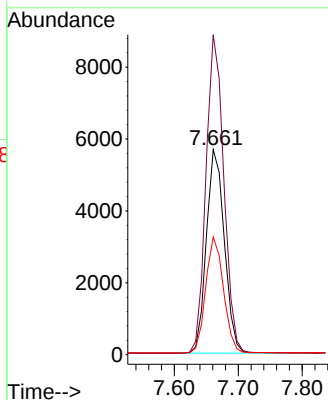
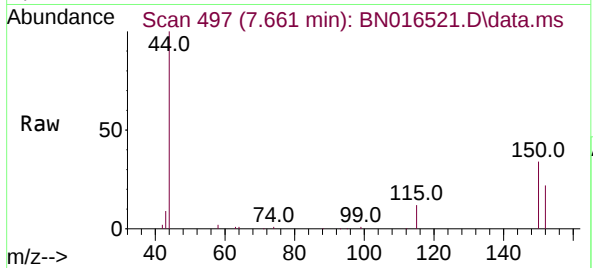




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.661 min Scan# 497
Delta R.T. -0.009 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

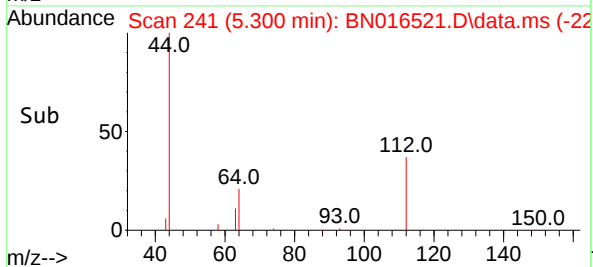
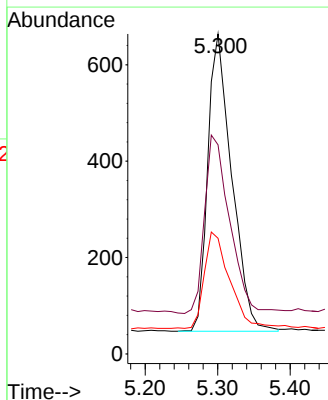
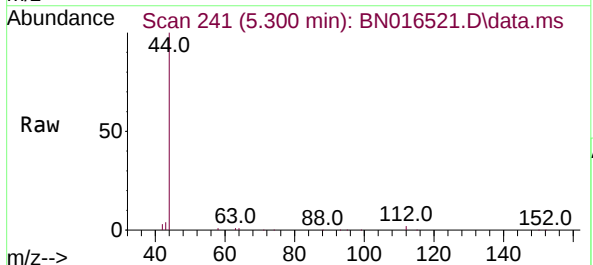
Instrument :
BNA_N
ClientSampleId :

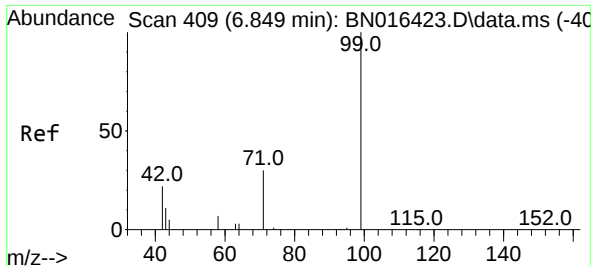
Tgt Ion:152 Resp: 11087
Ion Ratio Lower Upper
152 100
150 156.0 125.6 188.4
115 57.4 50.2 75.2



#4
2-Fluorophenol
Concen: 0.057 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.019 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:112 Resp: 1417
Ion Ratio Lower Upper
112 100
64 63.1 47.3 70.9
63 34.2 23.4 35.0

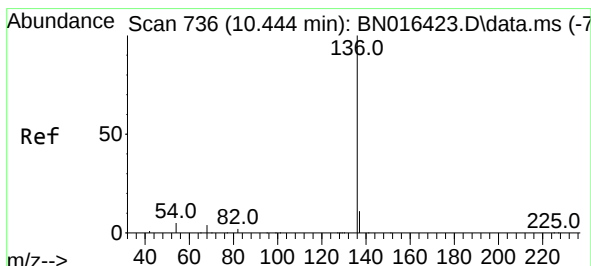
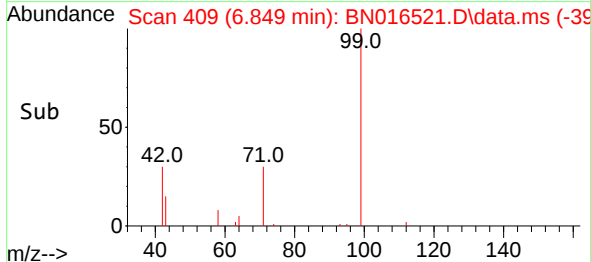
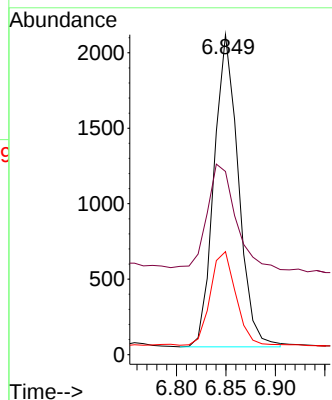
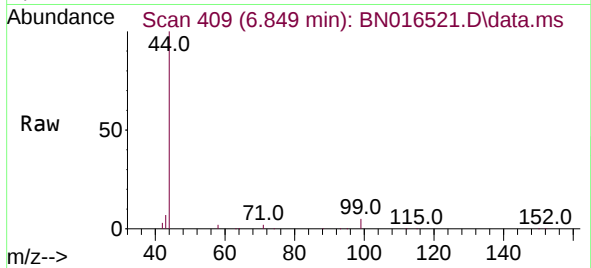




#5
Phenol-d6
Concen: 0.121 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

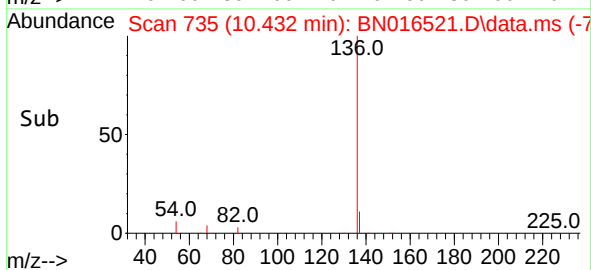
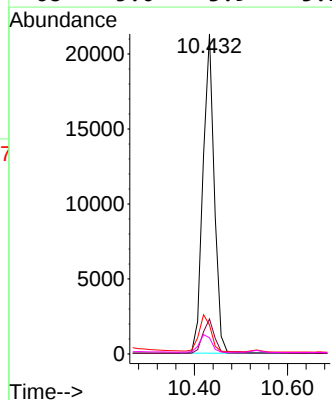
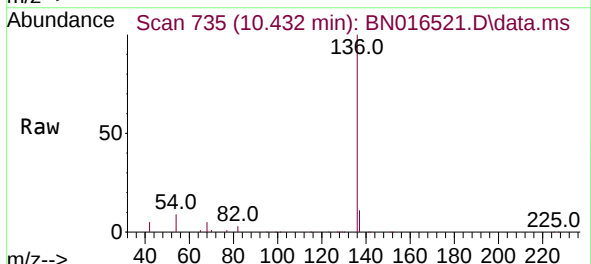
Instrument :
BNA_N
ClientSampleId :

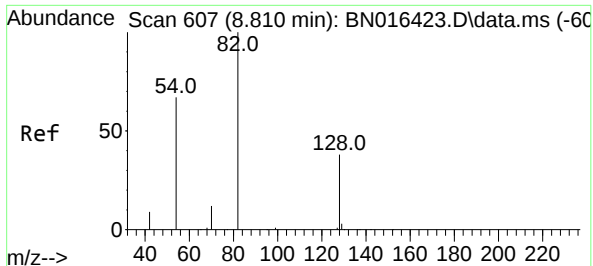
Tgt Ion: 99 Resp: 3549
Ion Ratio Lower Upper
99 100
42 39.6 14.0 21.0#
71 31.3 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion: 136 Resp: 36035
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.1 5.3 7.9#
68 5.0 3.9 5.9

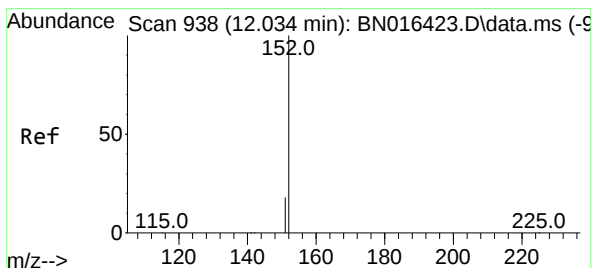
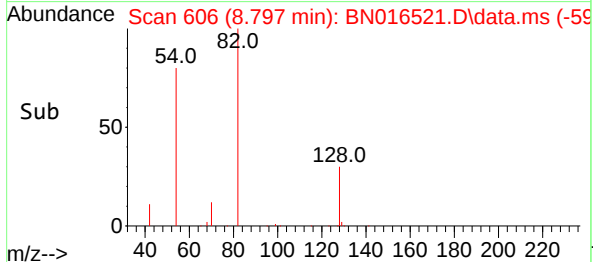
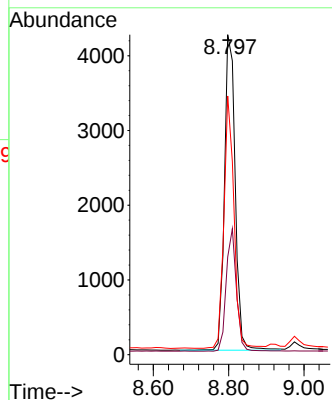
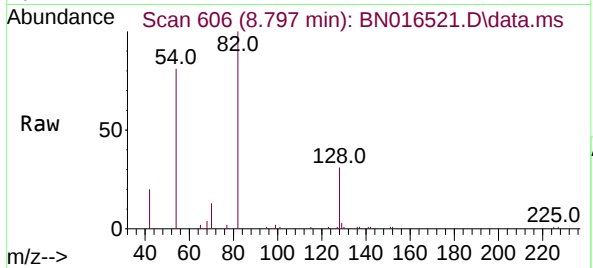




#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.797 min Scan# 606
Delta R.T. -0.012 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

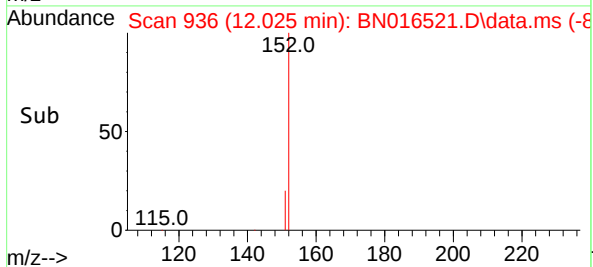
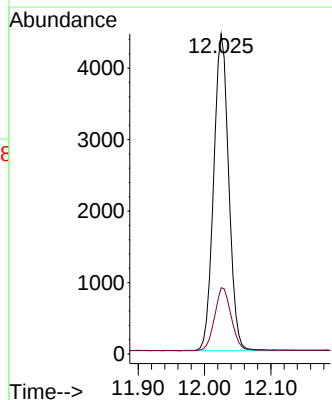
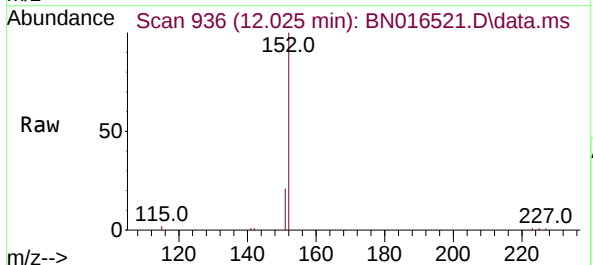
Instrument :
BNA_N
ClientSampleId :

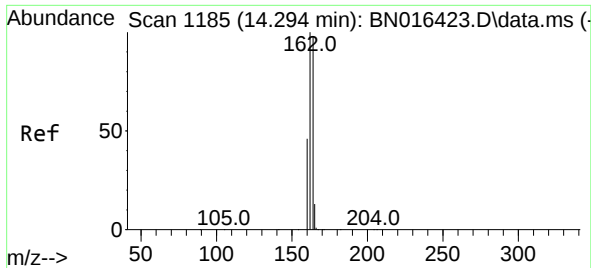
Tgt Ion: 82 Resp: 8438
Ion Ratio Lower Upper
82 100
128 30.5 31.7 47.5#
54 80.9 46.4 69.6#



#11
2-Methylnaphthalene-d10
Concen: 0.131 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion: 152 Resp: 6997
Ion Ratio Lower Upper
152 100
151 21.8 16.1 24.1

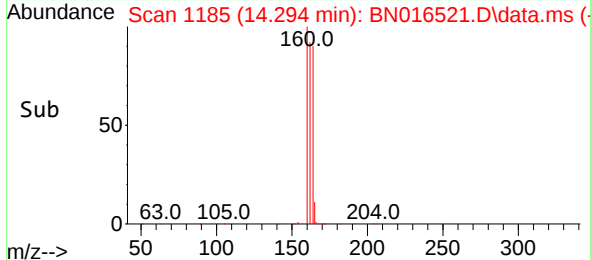
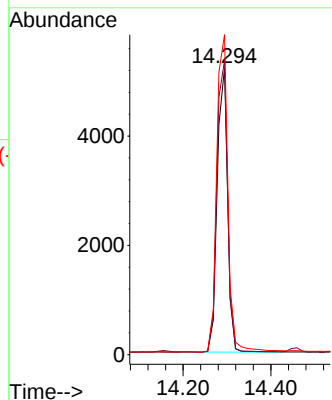
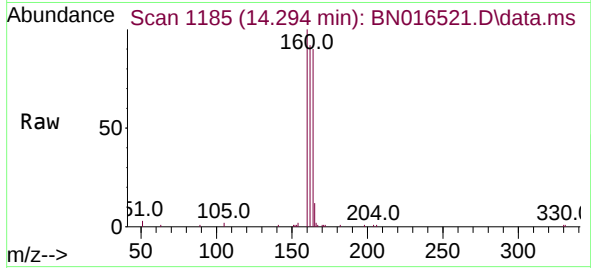




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

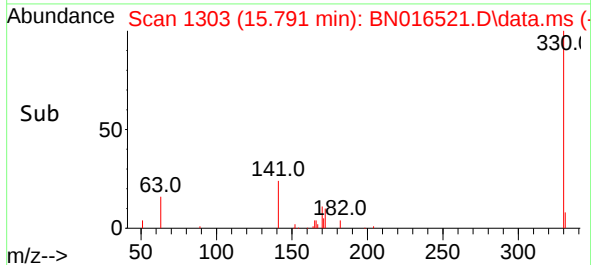
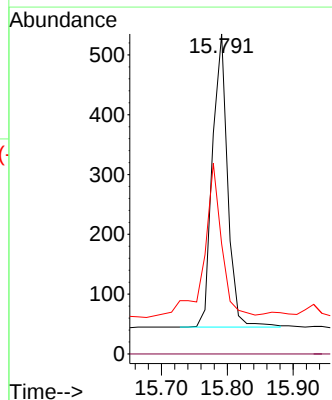
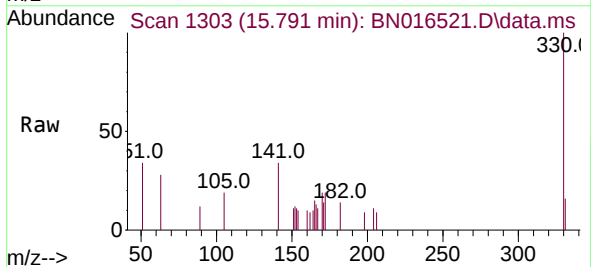
Instrument :
BNA_N
ClientSampleId :

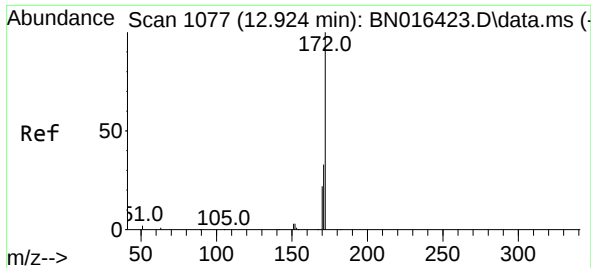
Tgt Ion:164 Resp: 8443
Ion Ratio Lower Upper
164 100
162 102.7 79.0 118.4
160 111.6 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:330 Resp: 784
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 56.3 25.0 37.4#

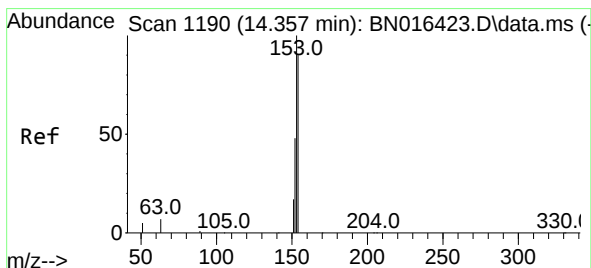
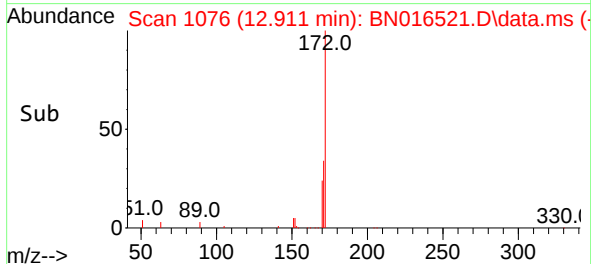
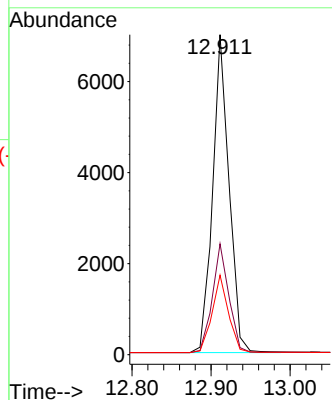
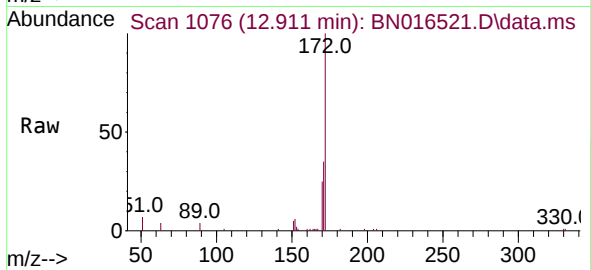




#15
2-Fluorobiphenyl
Concen: 0.284 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

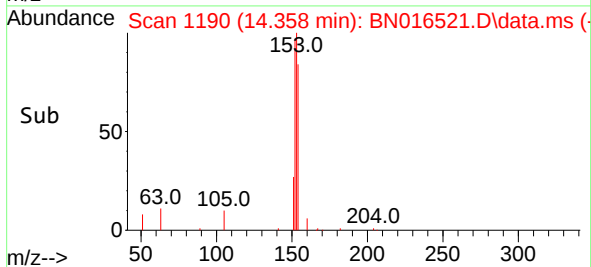
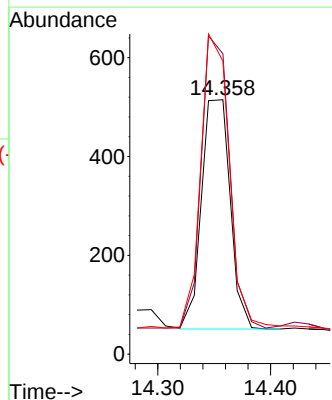
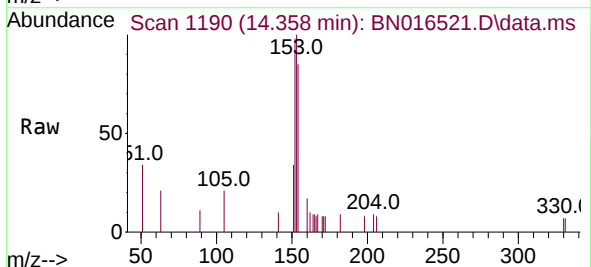
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BNA_N
ClientSampleId :

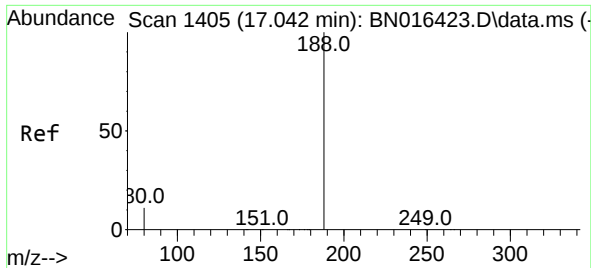
Tgt Ion:	172	Resp:	10062
Ion Ratio	Lower	Upper	
172	100		
171	34.6	27.8	41.6
170	24.9	18.2	27.2



#17
Acenaphthene
Concen: 0.034 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:	154	Resp:	818
Ion Ratio	Lower	Upper	
154	100		
153	125.4	89.3	133.9
152	128.6	42.2	63.4

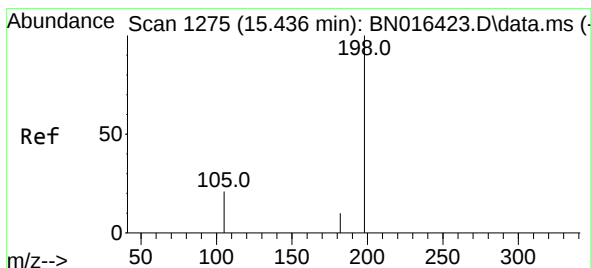
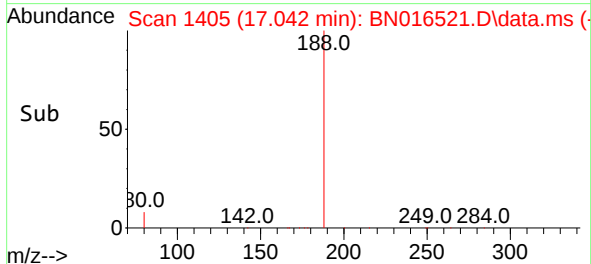
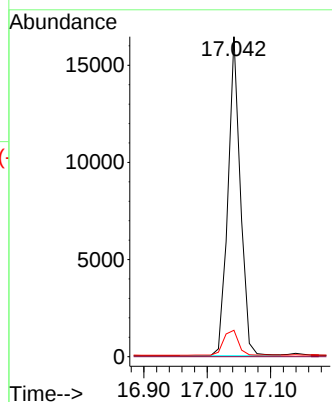
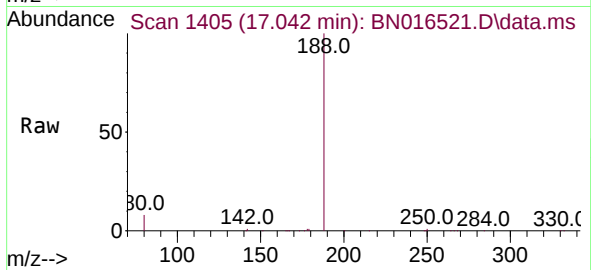




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

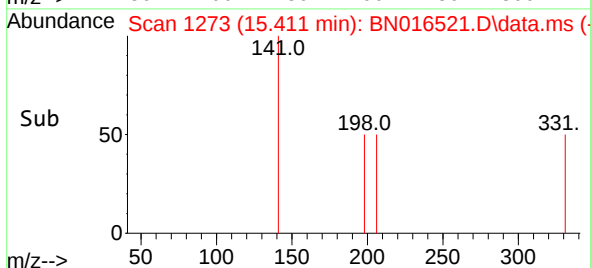
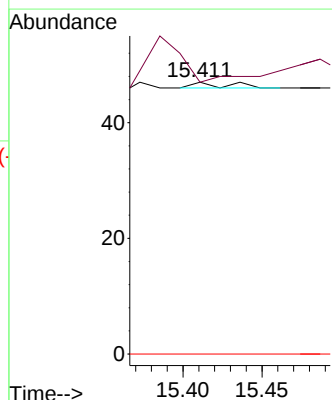
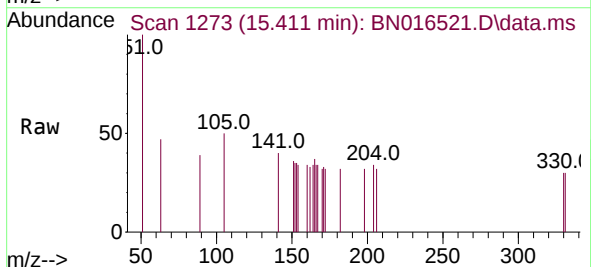
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BNA_N
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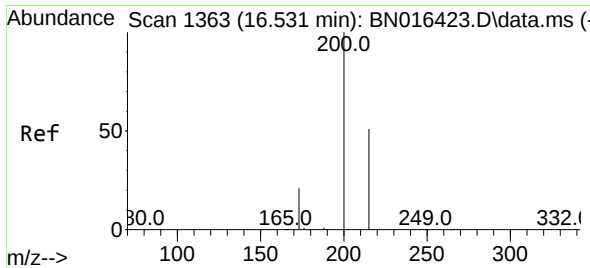
Tgt Ion:188	Resp:	22295
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.2	7.0 10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.148 ng
RT: 15.411 min Scan# 1273
Delta R.T. -0.025 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:198	Resp:	2
Ion Ratio	Lower	Upper
198	100	
182	100.0	26.6 39.8#
77	0.0	0.0 0.0

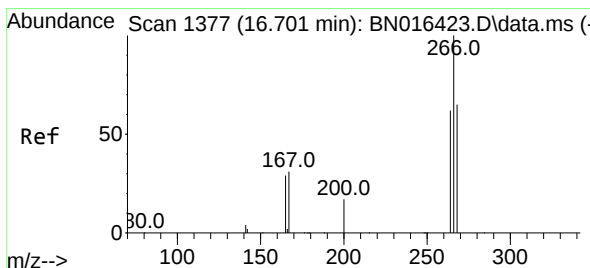
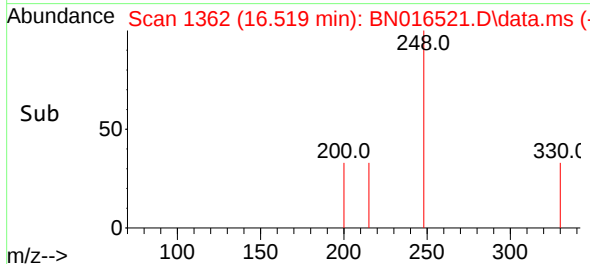
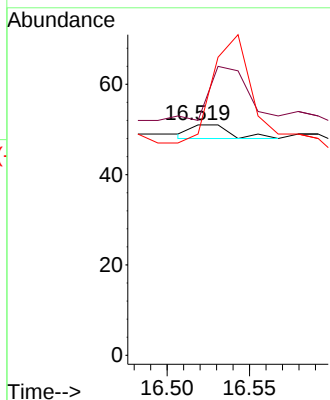
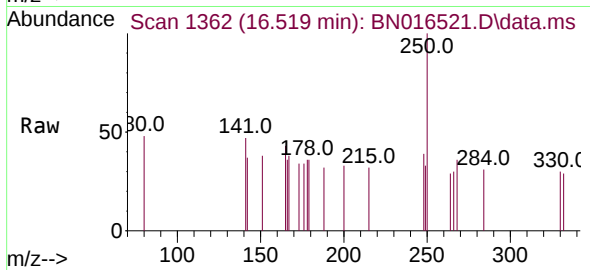




#23
Atrazine
Concen: 0.135 ng
RT: 16.519 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

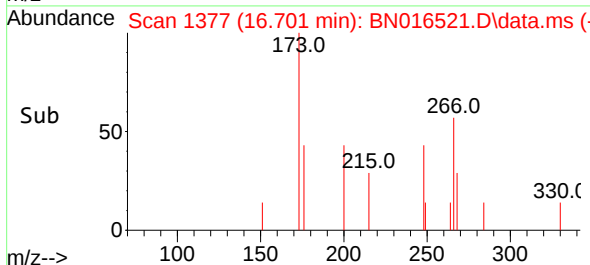
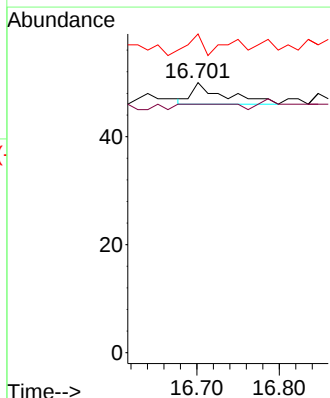
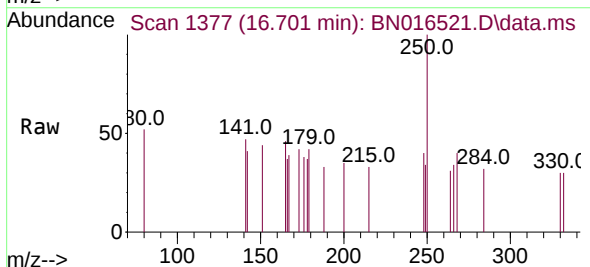
Instrument :
BNA_N
ClientSampleId :

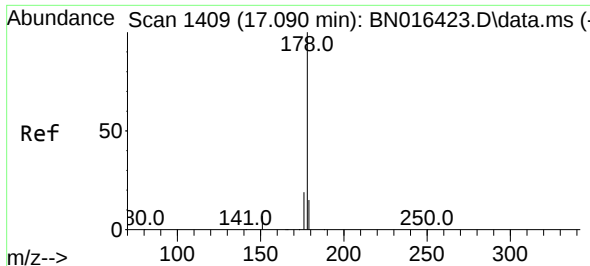
Tgt Ion:200 Resp: 5
Ion Ratio Lower Upper
200 100
173 102.0 18.7 28.1#
215 96.1 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.246 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:266 Resp: 11
Ion Ratio Lower Upper
266 100
264 0.0 50.6 75.8#
268 45.5 52.6 79.0#

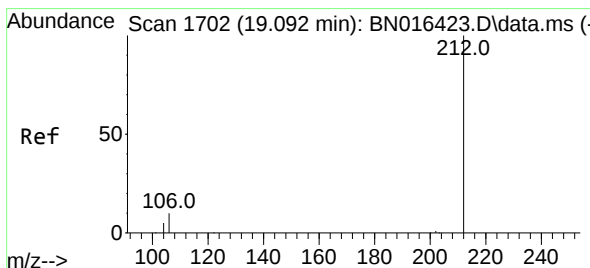
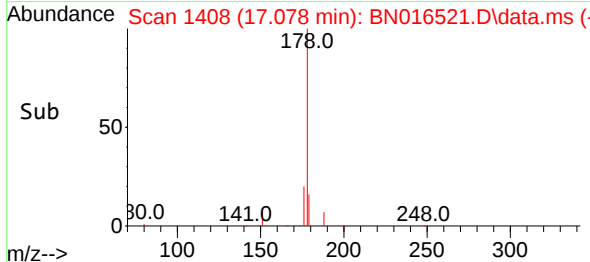
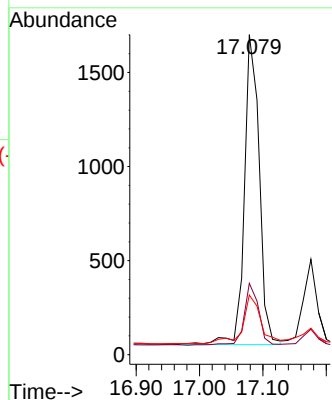
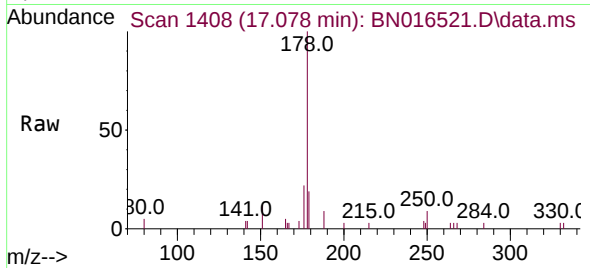




#25
Phenanthrene
Concen: 0.040 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

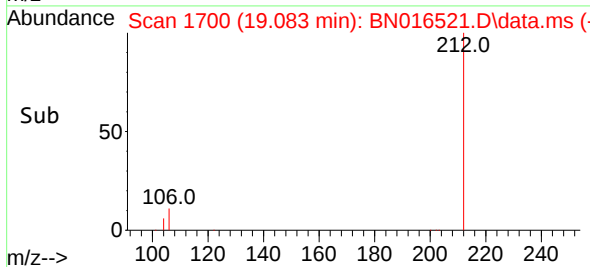
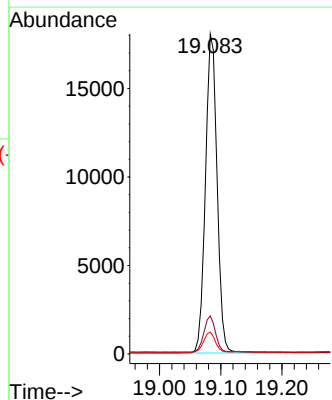
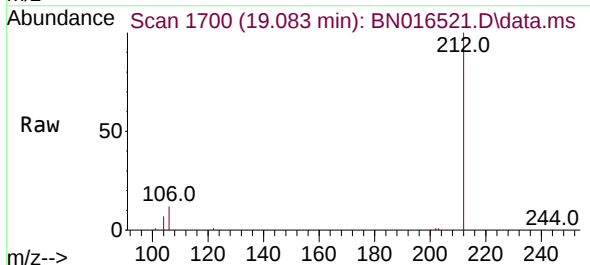
Instrument :
BNA_N
ClientSampleId :

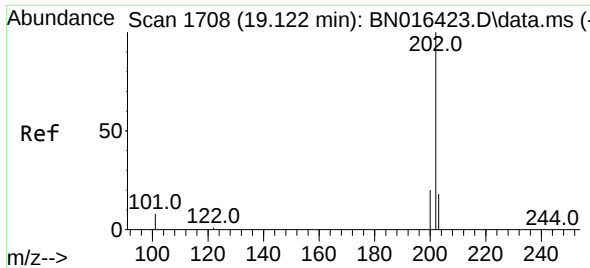
Tgt Ion:178 Resp: 2679
Ion Ratio Lower Upper
178 100
176 19.7 14.4 21.6
179 19.5 12.2 18.4#



#27
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.083 min Scan# 1700
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:212 Resp: 23805
Ion Ratio Lower Upper
212 100
106 11.4 9.8 14.6
104 6.4 5.4 8.2

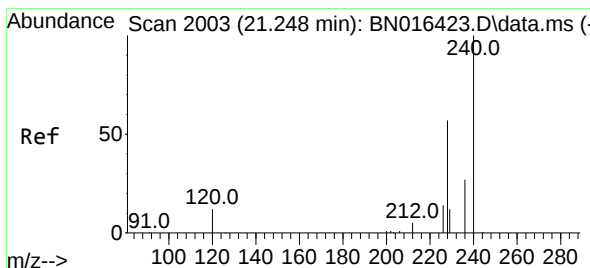
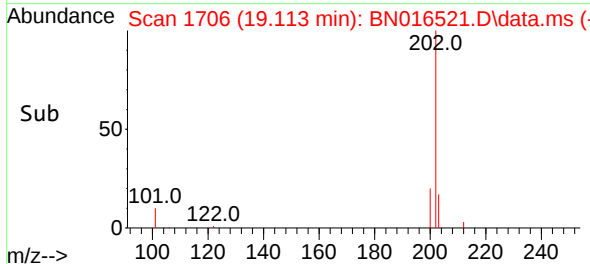
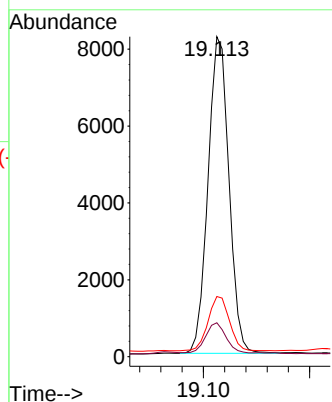
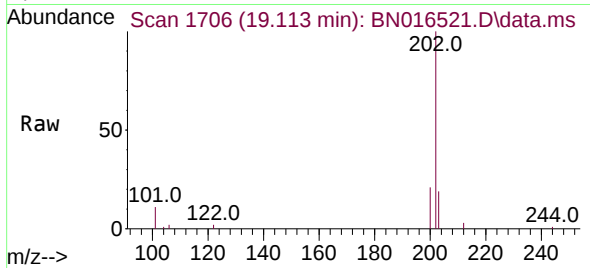




#28
Fluoranthene
Concen: 0.155 ng
RT: 19.113 min Scan# 1706
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

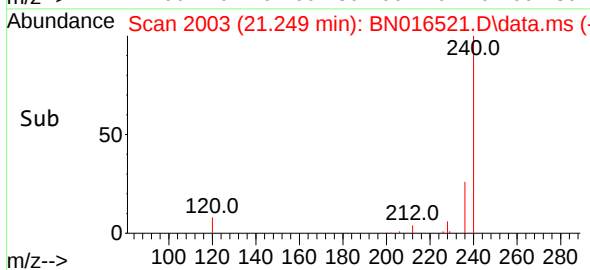
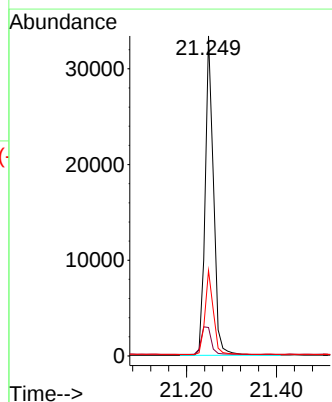
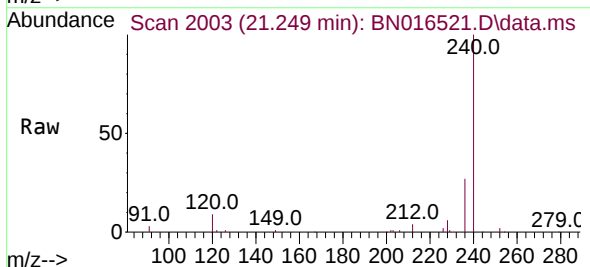
Instrument :
BNA_N
ClientSampled :

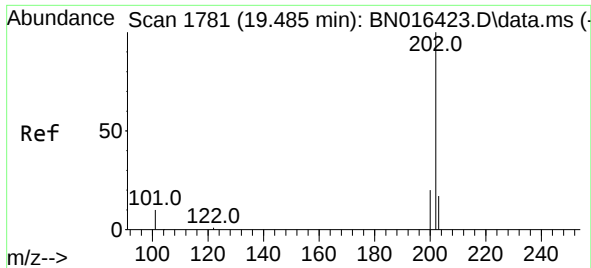
Tgt Ion:202	Resp:	11259
Ion Ratio	Lower	Upper
202	100	
101	9.4	8.5 12.7
203	17.5	13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:240	Resp:	43008
Ion Ratio	Lower	Upper
240	100	
120	8.9	5.3 7.9#
236	26.7	19.8 29.8

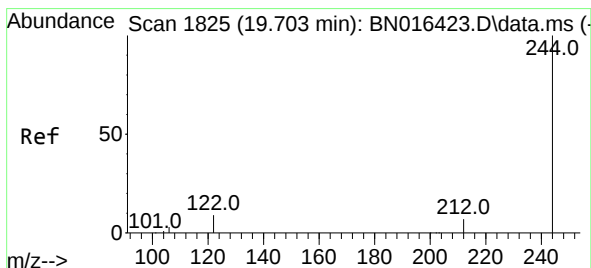
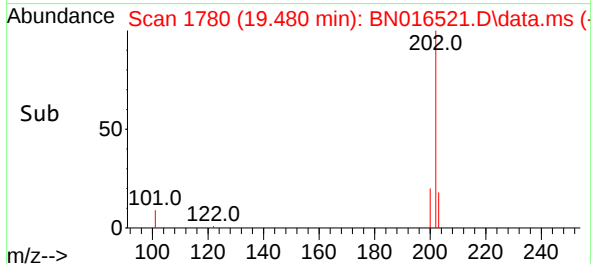
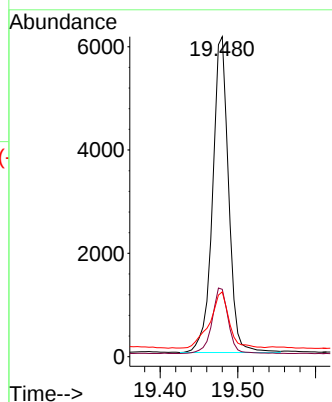
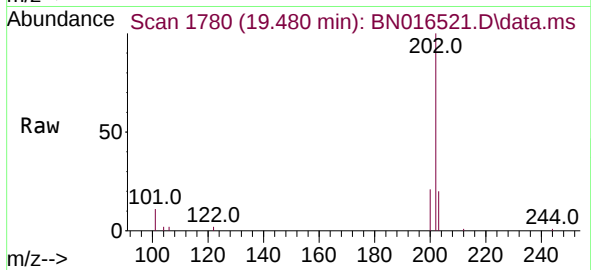




#30
 Pyrene
 Concen: 0.065 ng
 RT: 19.480 min Scan# 1780
 Delta R.T. -0.005 min
 Lab File: BN016521.D
 Acq: 26 Sep 2021 21:14

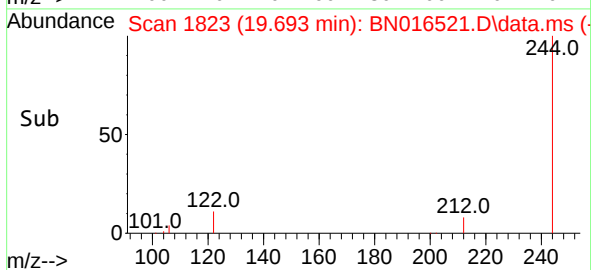
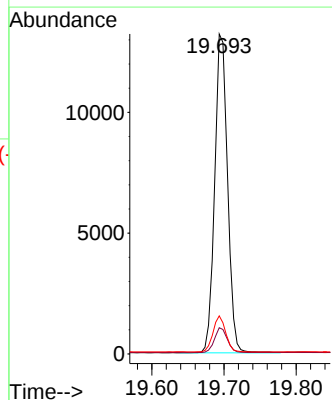
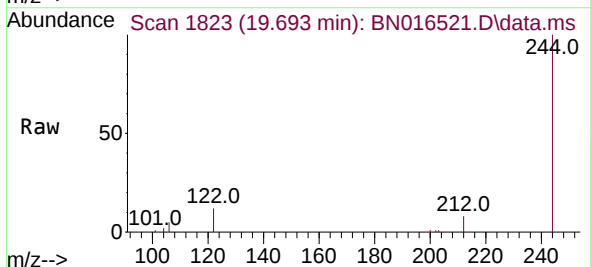
Instrument :
 BNA_N
 ClientSampleId :

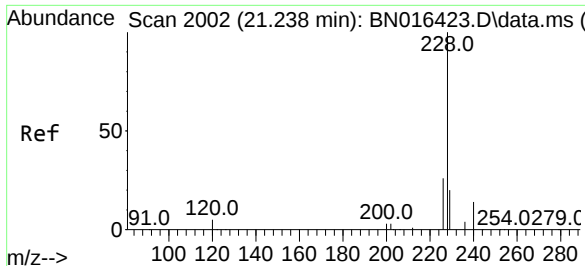
Tgt Ion:202	Resp:	8746
Ion Ratio	Lower	Upper
202	100	
200	20.9	15.8 23.6
203	21.5	13.9 20.9#



#31
 Terphenyl-d14
 Concen: 0.163 ng
 RT: 19.693 min Scan# 1823
 Delta R.T. -0.010 min
 Lab File: BN016521.D
 Acq: 26 Sep 2021 21:14

Tgt Ion:244	Resp:	16327
Ion Ratio	Lower	Upper
244	100	
212	8.2	5.5 8.3
122	11.9	9.0 13.4

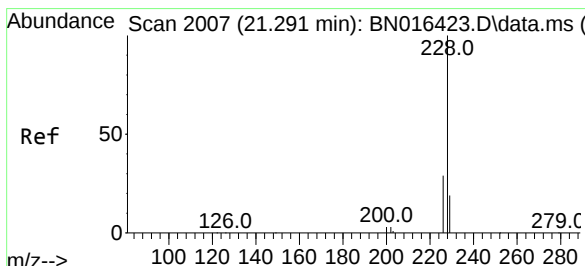
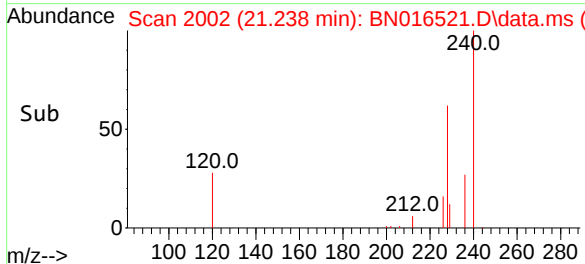
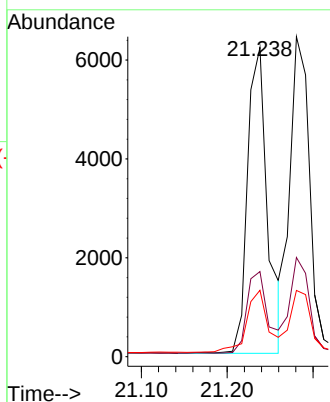
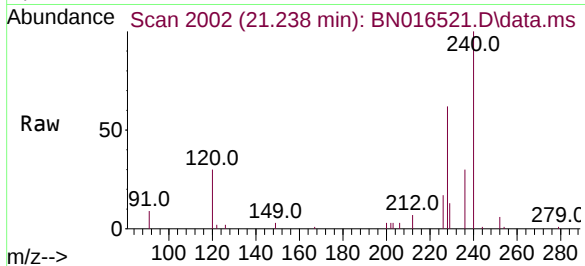




#32
Benzo(a)anthracene
Concen: 0.080 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

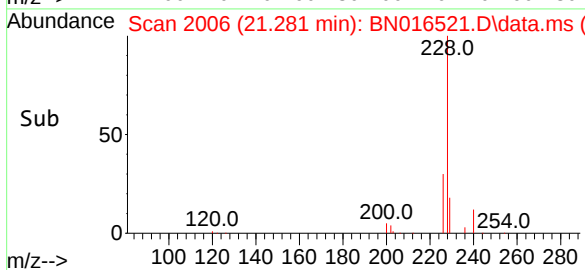
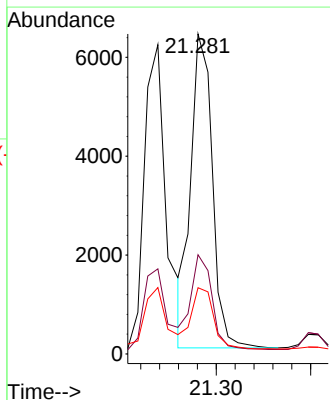
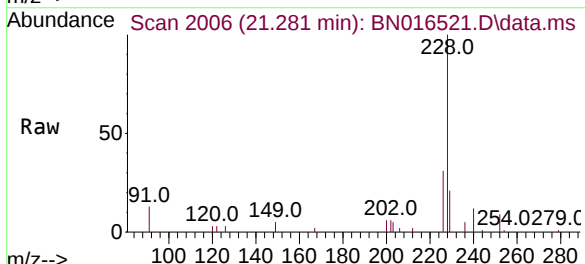
Instrument :
BNA_N
ClientSampleId :

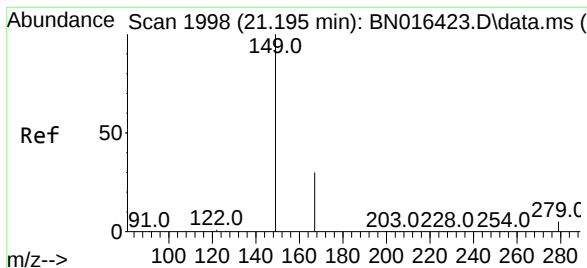
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.8	31.2
229	21.5	15.8	23.6



#33
Chrysene
Concen: 0.075 ng
RT: 21.281 min Scan# 2006
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.4
229	20.7	15.6	23.4

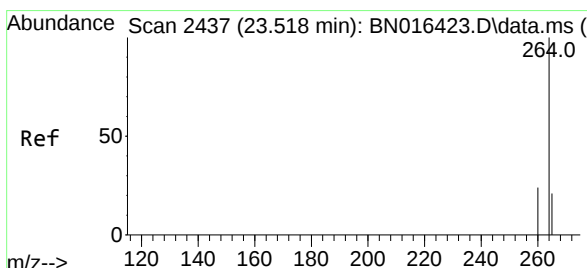
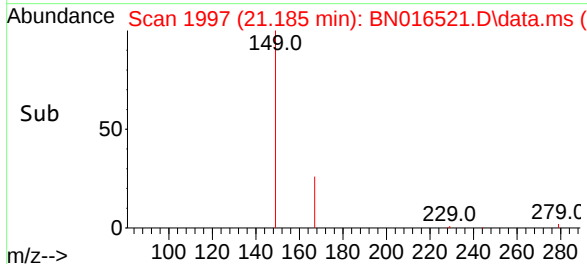
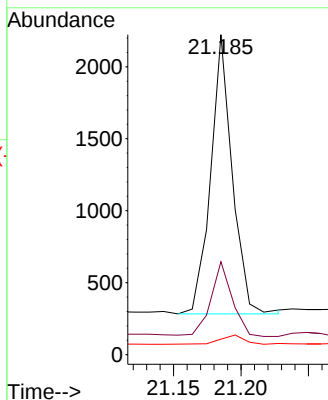
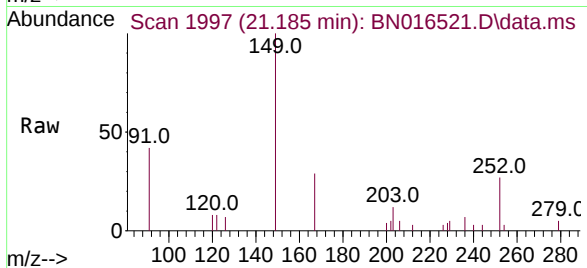




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.064 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

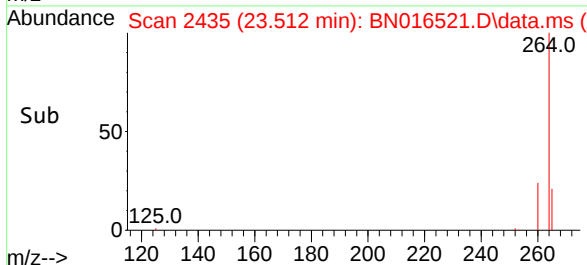
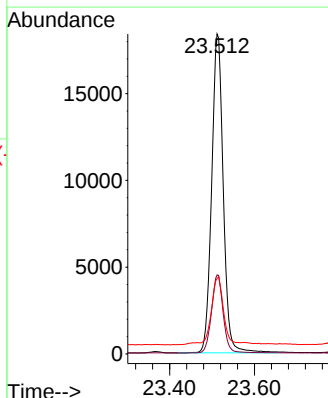
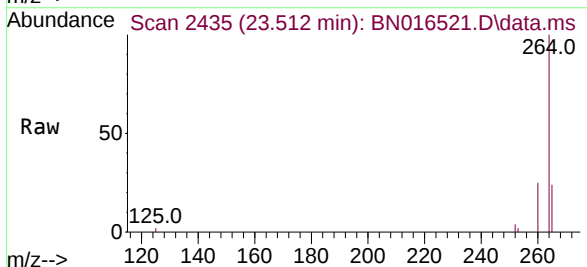
Instrument :
BNA_N
ClientSampleId :

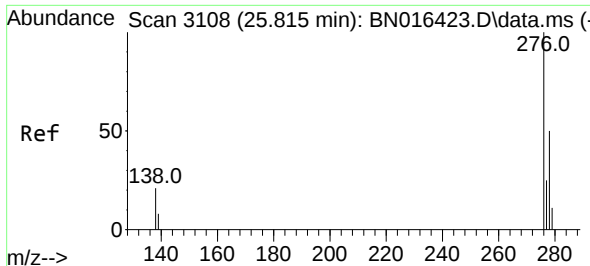
Tgt Ion:149 Resp: 2160
Ion Ratio Lower Upper
149 100
167 26.5 23.4 35.0
279 3.8 3.9 5.9#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.512 min Scan# 2435
Delta R.T. -0.007 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:264 Resp: 34825
Ion Ratio Lower Upper
264 100
260 24.7 18.9 28.3
265 23.7 23.7 35.5#

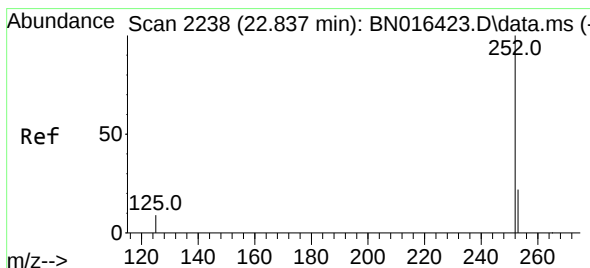
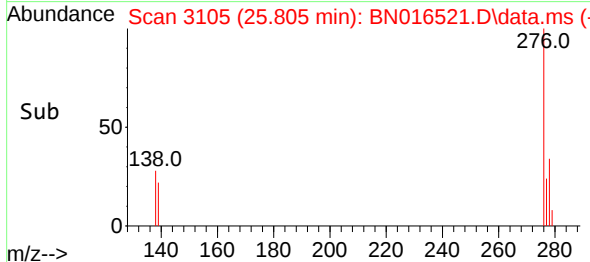
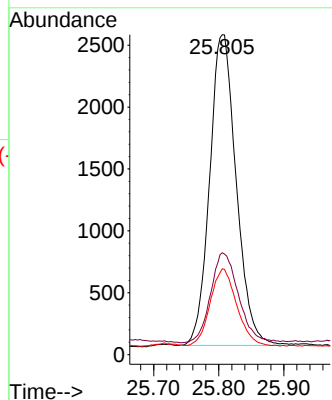
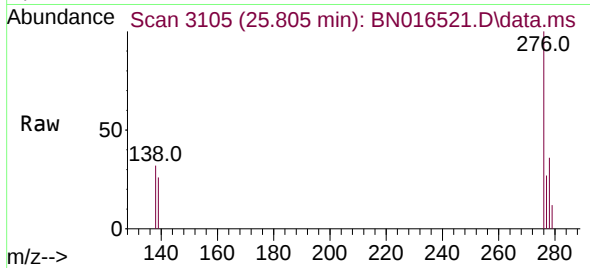




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.063 ng
RT: 25.805 min Scan# 3105
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

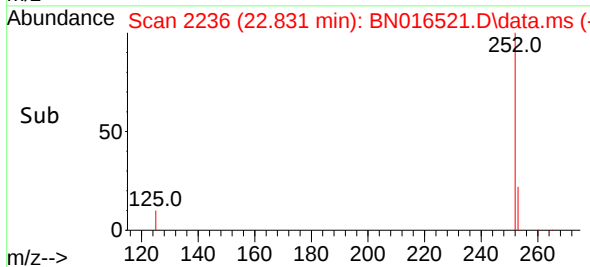
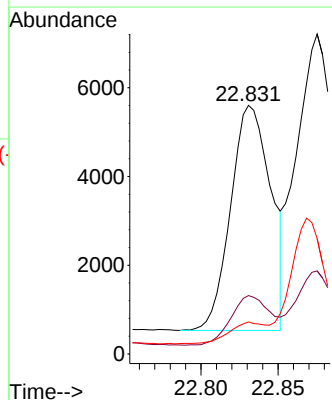
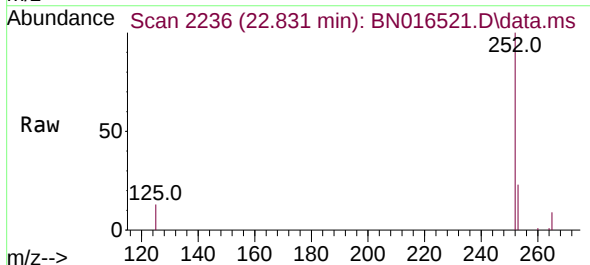
Instrument :
BNA_N
ClientSampleId :

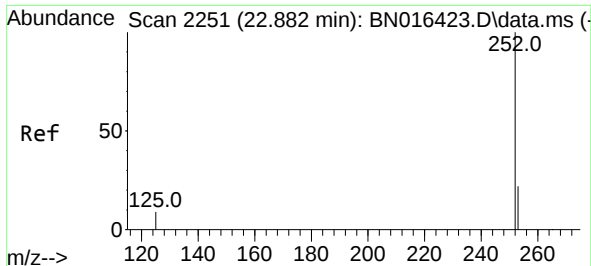
Tgt Ion:276 Resp: 7124
Ion Ratio Lower Upper
276 100
138 30.4 19.3 28.9#
277 24.5 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.079 ng
RT: 22.831 min Scan# 2236
Delta R.T. -0.007 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:252 Resp: 9191
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 12.9 8.4 12.6#

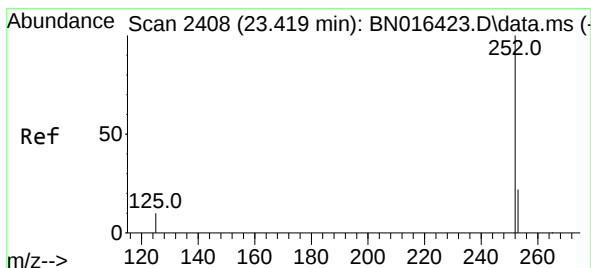
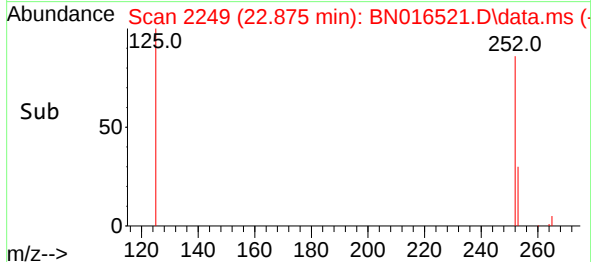
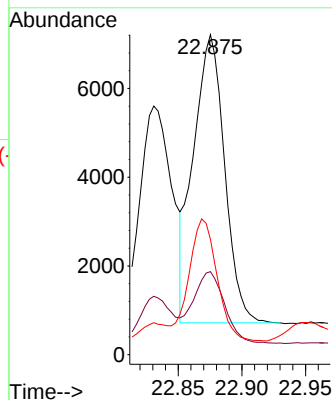
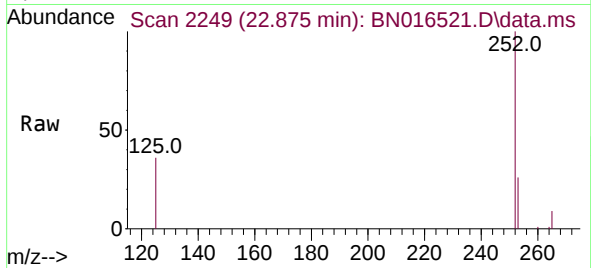




#38
Benzo(k)fluoranthene
Concen: 0.099 ng
RT: 22.875 min Scan# 2249
Delta R.T. -0.007 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

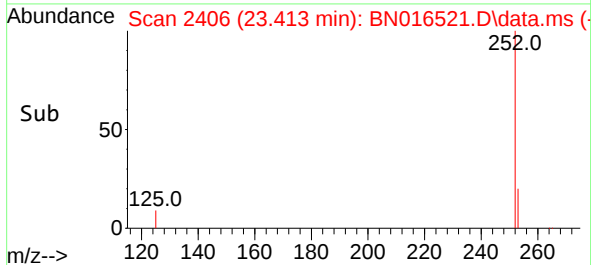
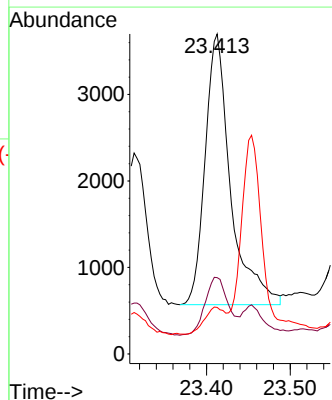
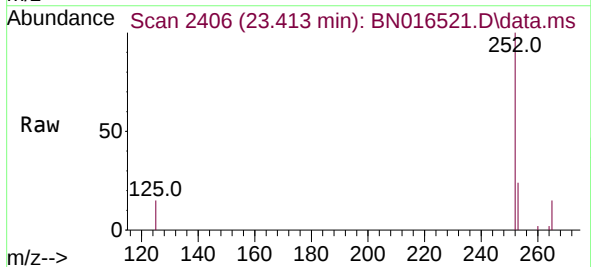
Instrument :
BNA_N
ClientSampleId :

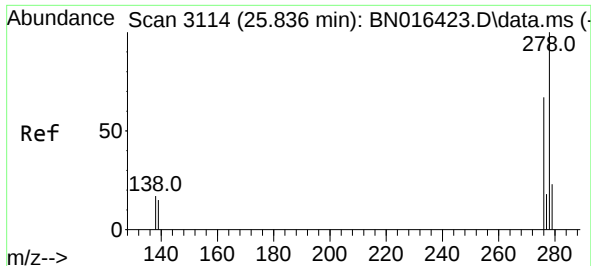
Tgt Ion:252 Resp: 11080
Ion Ratio Lower Upper
252 100
253 26.0 18.2 27.2
125 36.1 8.2 12.4#



#39
Benzo(a)pyrene
Concen: 0.070 ng
RT: 23.413 min Scan# 2406
Delta R.T. -0.007 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:252 Resp: 6616
Ion Ratio Lower Upper
252 100
253 23.9 18.7 28.1
125 14.6 9.9 14.9

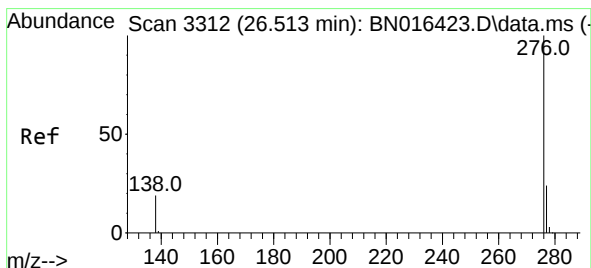
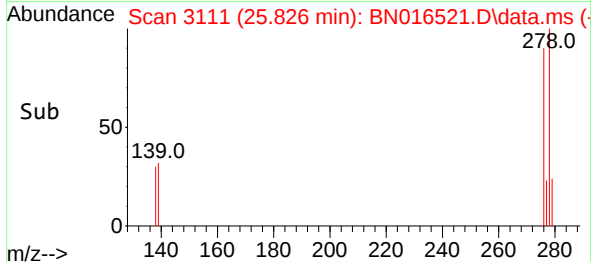
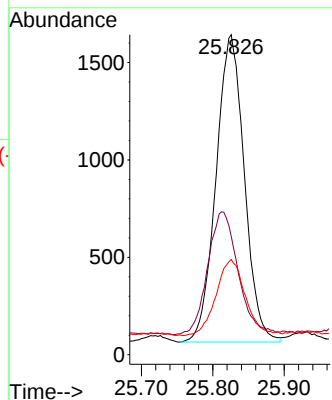
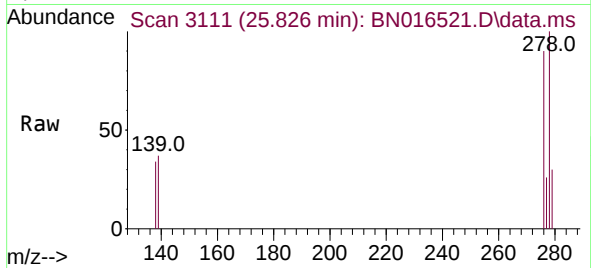




#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 25.826 min Scan# 3111
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 4342
Ion Ratio Lower Upper
278 100
139 37.0 14.2 21.2#
279 29.8 21.3 31.9



#41
Benzo(g,h,i)perylene
Concen: 0.047 ng
RT: 26.504 min Scan# 3309
Delta R.T. -0.010 min
Lab File: BN016521.D
Acq: 26 Sep 2021 21:14

Tgt Ion:276 Resp: 4665
Ion Ratio Lower Upper
276 100
277 27.2 20.5 30.7
138 26.7 18.2 27.4

