

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100421\
 Data File : BN016774.D
 Acq On : 06 Oct 2021 11:07
 Operator : CG/JU
 Sample : M3892-01 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-1-1.5-092221

Quant Time: Oct 06 11:45:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 04 17:52:33 2021
 Response via : Initial Calibration

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

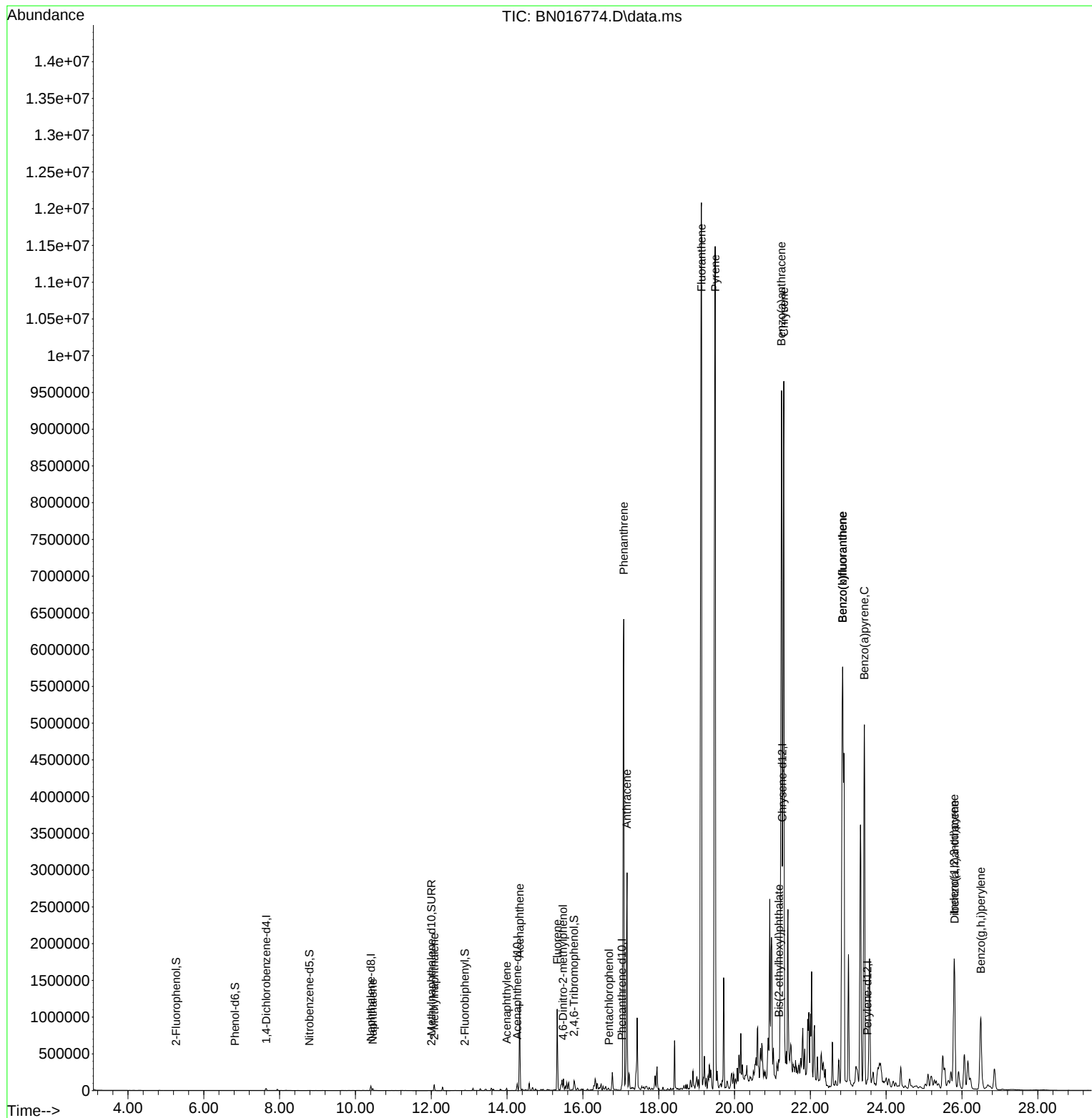
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	17867	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	83333	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	47759	0.400	ng	0.00
19) Phenanthrene-d10	17.030	188	98180	0.400	ng	0.00
29) Chrysene-d12	21.259	240	89151	0.400	ng	# 0.02
35) Perylene-d12	23.508	264	103074	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	1344	0.029	ng	0.02
5) Phenol-d6	6.822	99	1377	0.027	ng	0.00
8) Nitrobenzene-d5	8.784	82	1563	0.027	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	3471	0.028	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	763	0.144	ng	-0.01
15) 2-Fluorobiphenyl	12.886	172	4489	0.024	ng	-0.01
27) Fluoranthene-d10	19.117	212	1351	0.005	ng	0.05
31) Terphenyl-d14	19.718	244	3385	0.017	ng	0.04
Target Compounds						Qvalue
9) Naphthalene	10.457	128	32405	0.142	ng	99
12) 2-Methylnaphthalene	12.078	142	56921	0.393	ng	99
16) Acenaphthylene	13.990	152	25077	0.119	ng	# 92
17) Acenaphthene	14.332	154	583308	4.187	ng	99
18) Fluorene	15.322	166	665580	3.961	ng	99
20) 4,6-Dinitro-2-methylph...	15.474	198	100	0.279	ng	# 1
24) Pentachlorophenol	16.689	266	102	0.342	ng	94
25) Phenanthrene	17.078	178	8006291	27.740	ng	98
26) Anthracene	17.164	178	3189877	12.375	ng	# 94
28) Fluoranthene	19.127	202	16877738	52.697	ng	97
30) Pyrene	19.490	202	15401046	52.539	ng	# 80
32) Benzo(a)anthracene	21.238	228	11902651	43.045	ng	# 95
33) Chrysene	21.302	228	9499699	33.867	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.174	149	31532	0.188	ng	# 78
36) Indeno(1,2,3-cd)pyrene	25.795	276	2782045	8.502	ng	97
37) Benzo(b)fluoranthene	22.851	252	12524054	37.576	ng	96
38) Benzo(k)fluoranthene	22.851	252	2110445	6.589	ng	97
39) Benzo(a)pyrene	23.426	252	7865056	26.374	ng	97
40) Dibenzo(a,h)anthracene	25.805	278	913960	3.520	ng	96
41) Benzo(g,h,i)perylene	26.497	276	2096512	7.217	ng	99

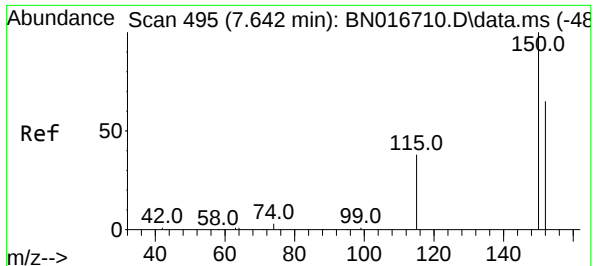
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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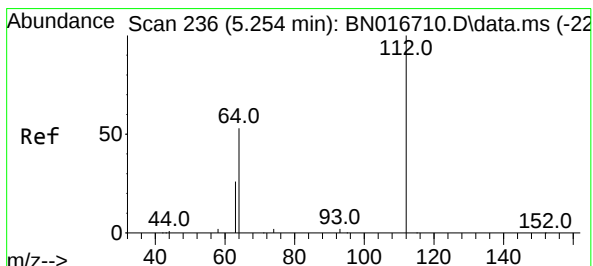
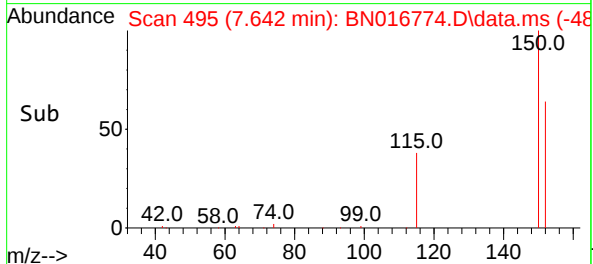
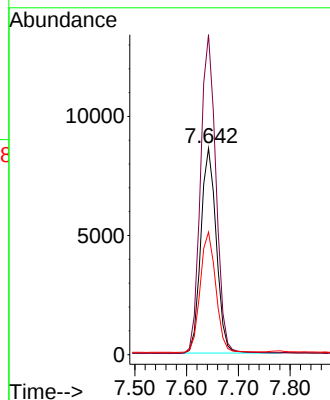
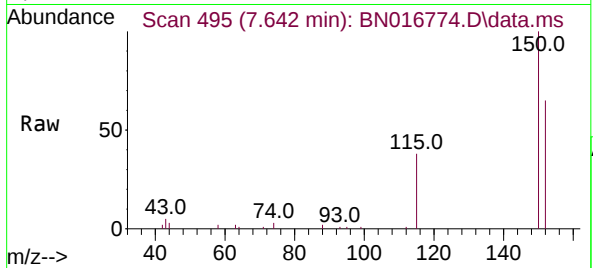




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

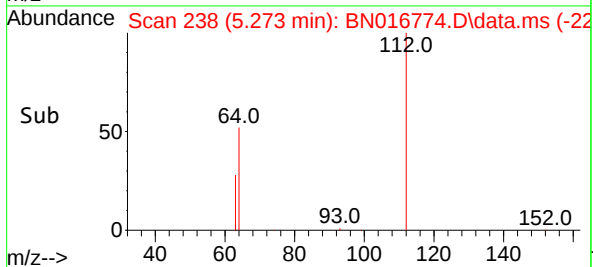
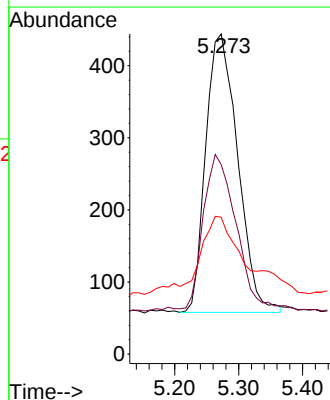
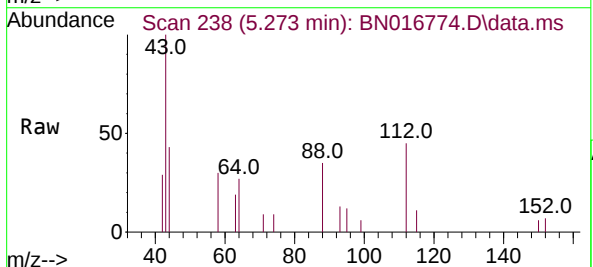
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

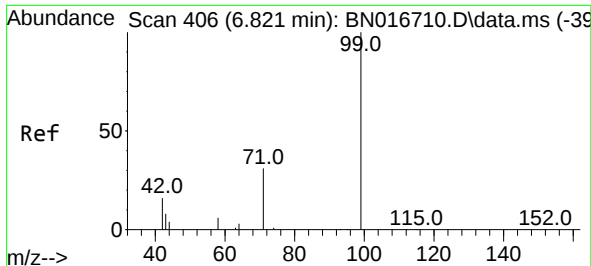
Tgt Ion:152 Resp: 17867
Ion Ratio Lower Upper
152 100
150 155.0 123.3 184.9
115 59.4 47.0 70.6



#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:112 Resp: 1344
Ion Ratio Lower Upper
112 100
64 55.4 42.9 64.3
63 31.6 21.5 32.3

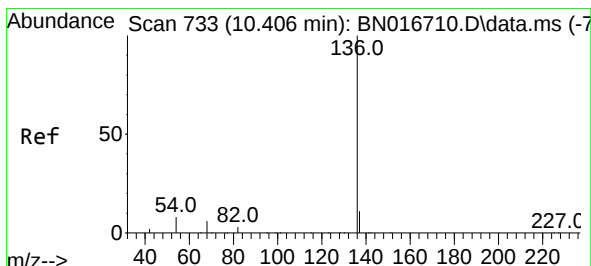
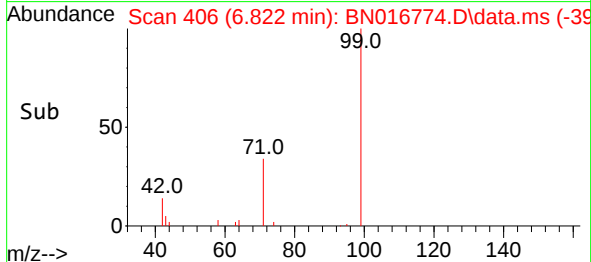
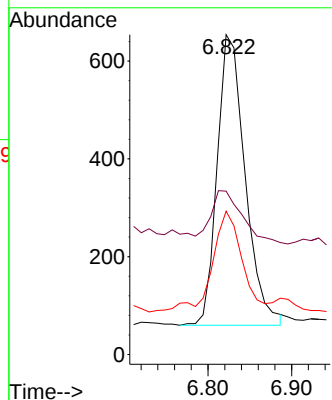
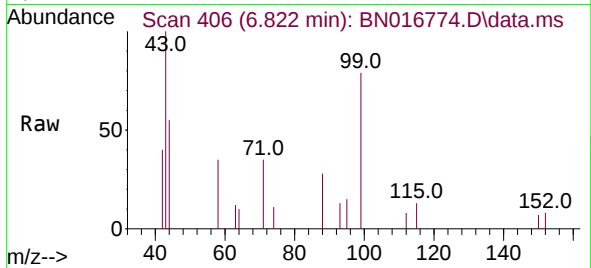




#5
Phenol-d6
Concen: 0.027 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

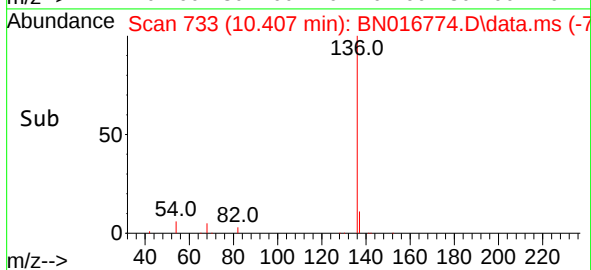
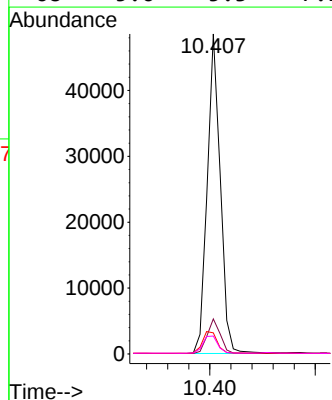
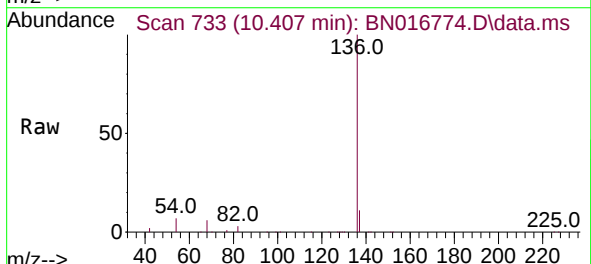
Instrument :
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ClientSampleId :
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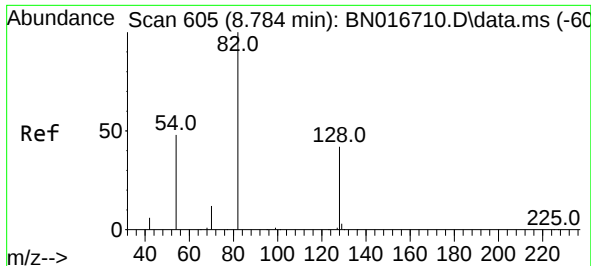
Tgt Ion:	99	Resp:	1377
Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.4	20.2
71	35.0	24.0	36.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:	136	Resp:	83333
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	6.5	9.7
68	5.6	5.3	7.9

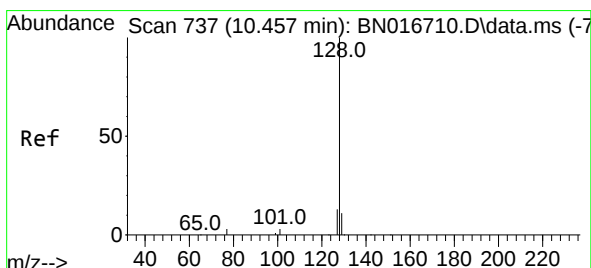
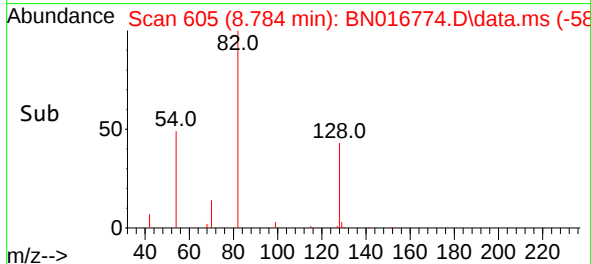
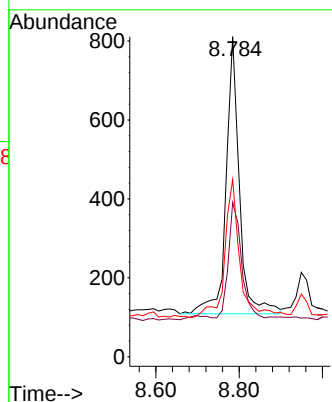
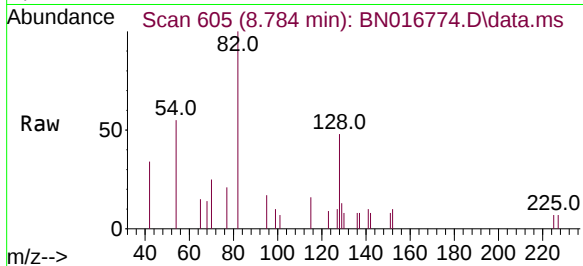




#8
Nitrobenzene-d5
Concen: 0.027 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

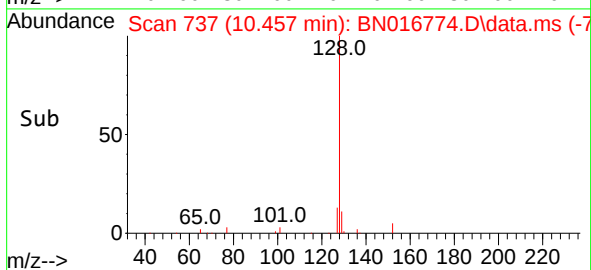
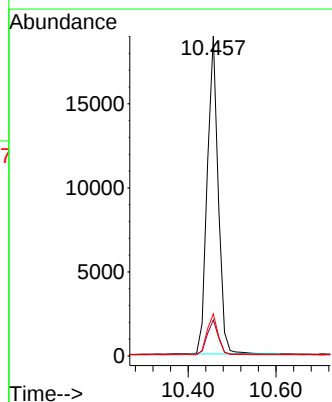
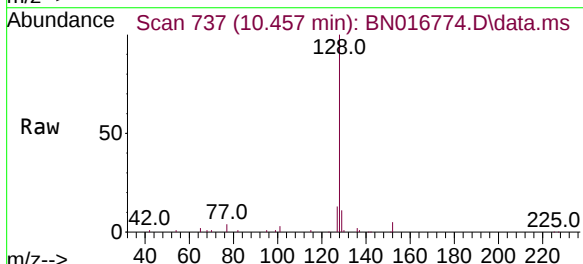
Instrument :
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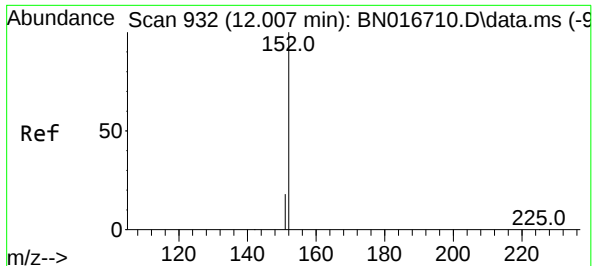
Tgt Ion:	82	Resp:	1563
Ion	Ratio	Lower	Upper
82	100		
128	48.2	33.8	50.6
54	55.4	38.5	57.7



#9
Naphthalene
Concen: 0.142 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:	128	Resp:	32405
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.2	10.3	15.5

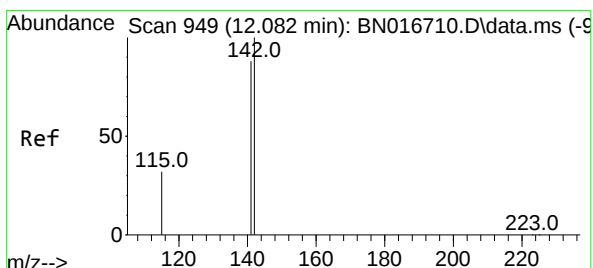
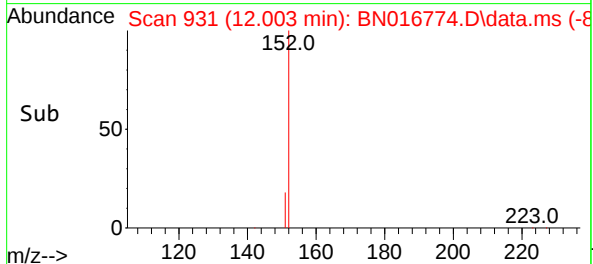
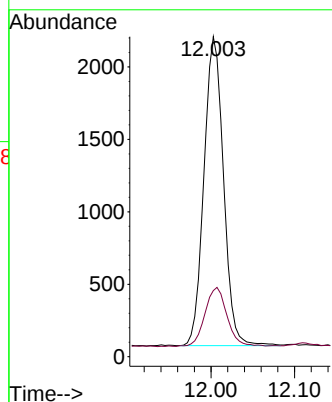
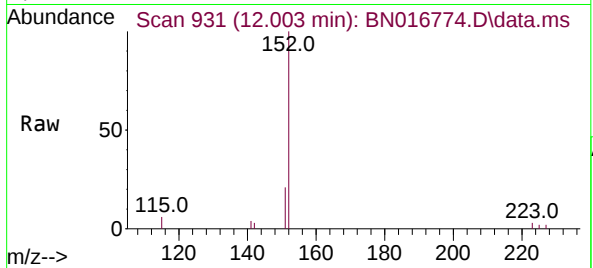




#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

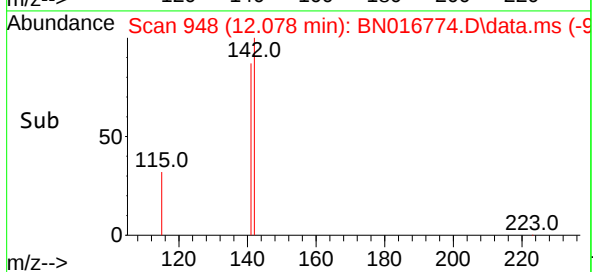
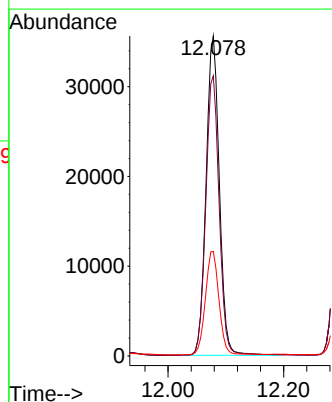
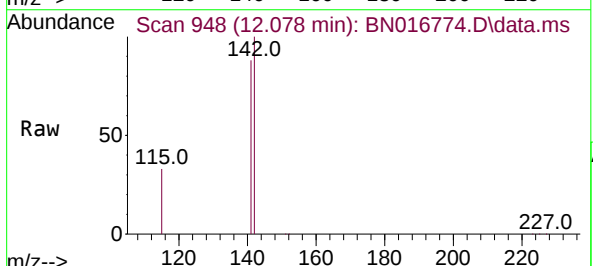
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

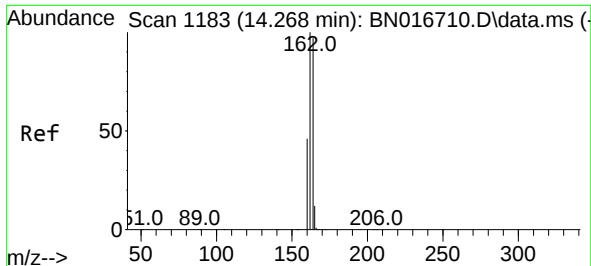
Tgt Ion:152 Resp: 3471
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.078 min Scan# 948
Delta R.T. -0.004 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:142 Resp: 56921
Ion Ratio Lower Upper
142 100
141 87.6 70.6 106.0
115 32.6 26.1 39.1

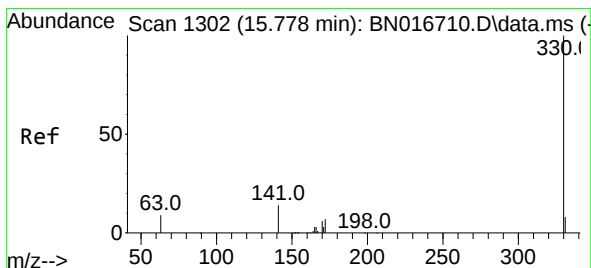
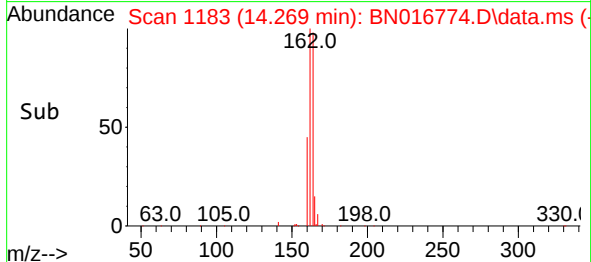
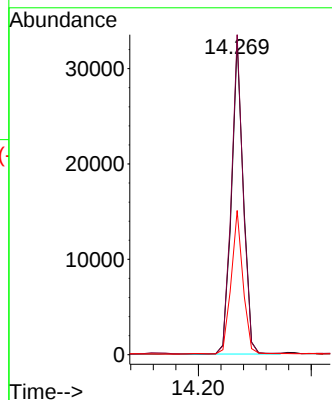
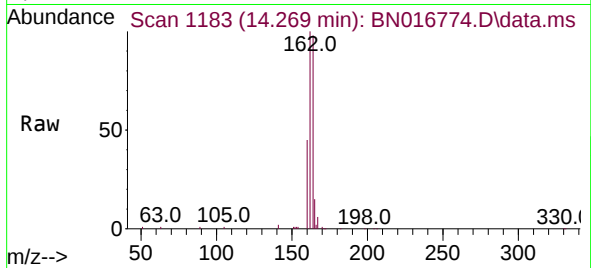




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

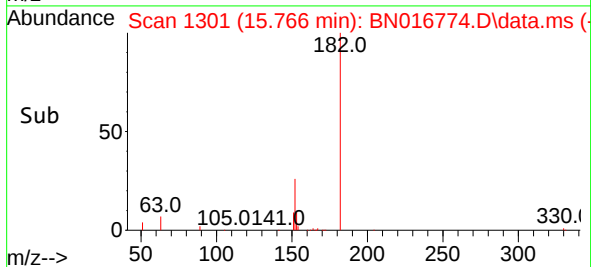
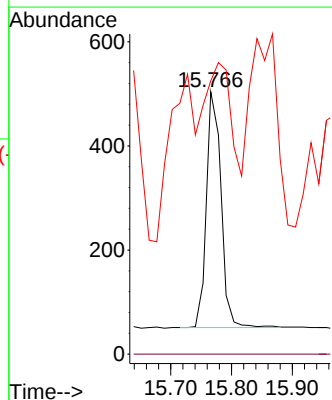
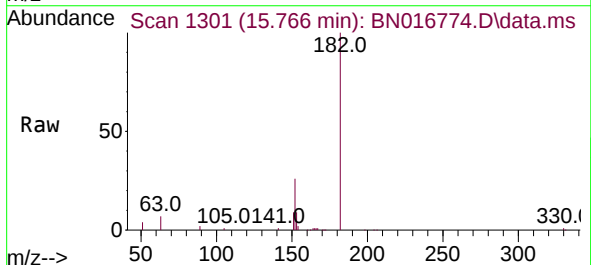
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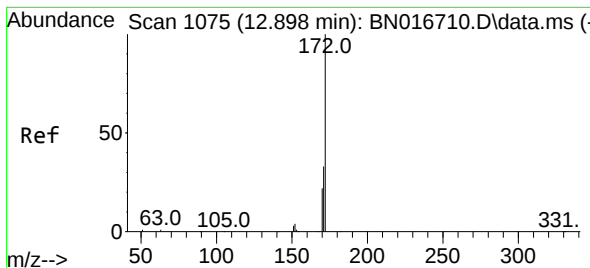
Tgt Ion:	164	Resp:	47759
Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	124.0
160	46.0	38.2	57.2



#14
2,4,6-Tribromophenol
Concen: 0.144 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:	330	Resp:	763
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	65.9	24.2	36.2

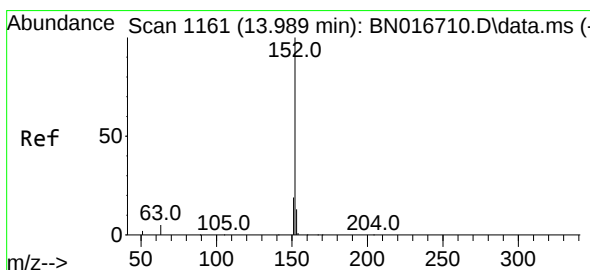
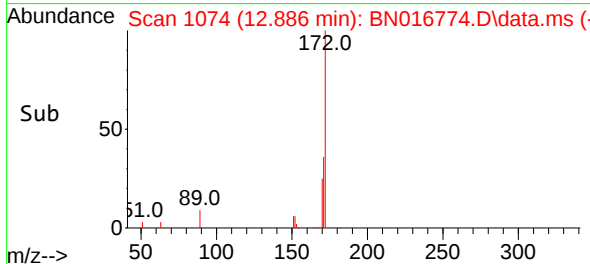
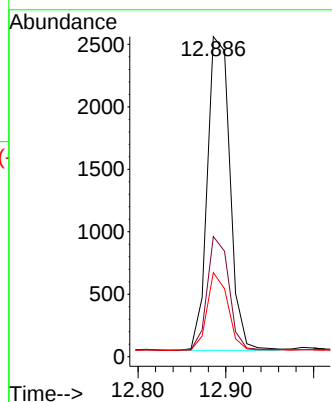
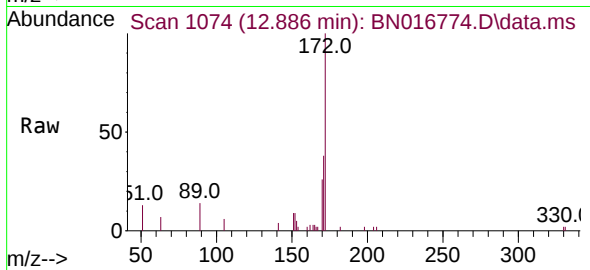




#15
2-Fluorobiphenyl
Concen: 0.024 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

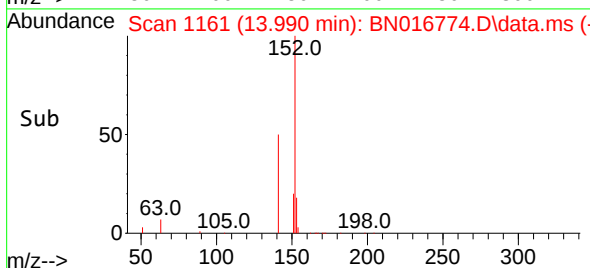
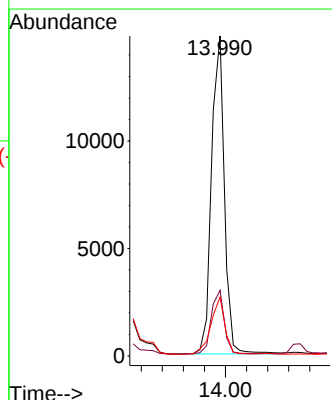
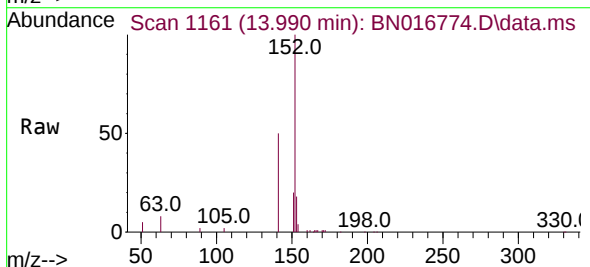
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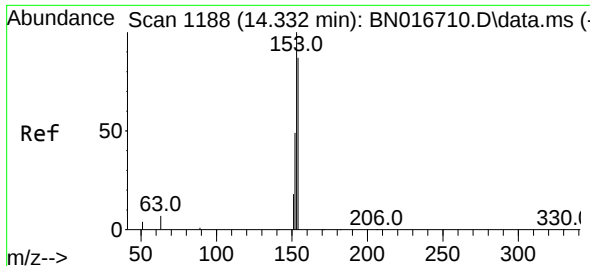
Tgt Ion:172 Resp: 4489
Ion Ratio Lower Upper
172 100
171 37.5 26.9 40.3
170 26.2 17.4 26.0#



#16
Acenaphthylene
Concen: 0.119 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.001 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:152 Resp: 25077
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 19.4 10.4 15.6#

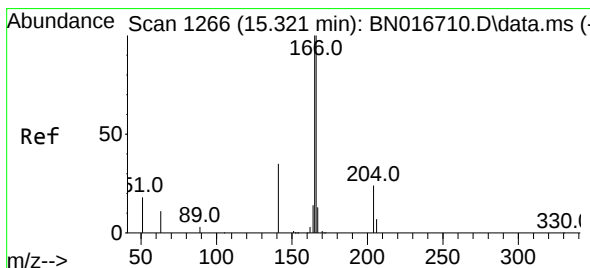
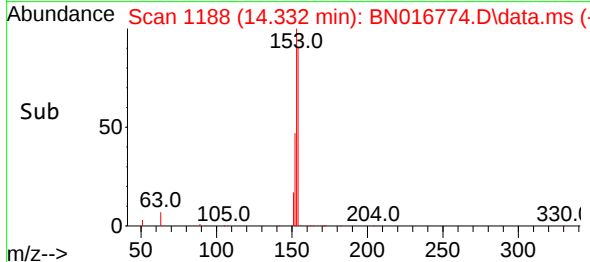
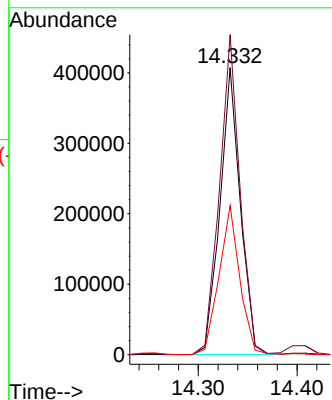
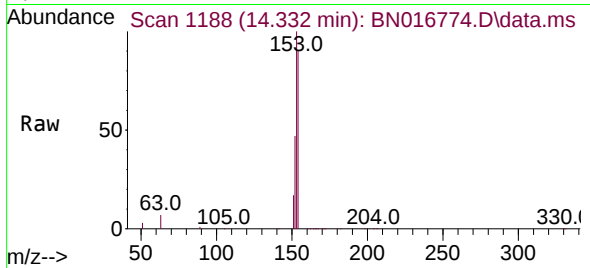




#17
Acenaphthene
Concen: 4.187 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

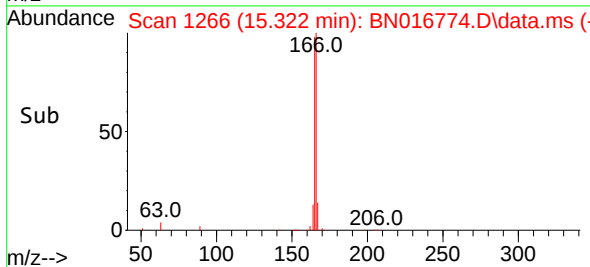
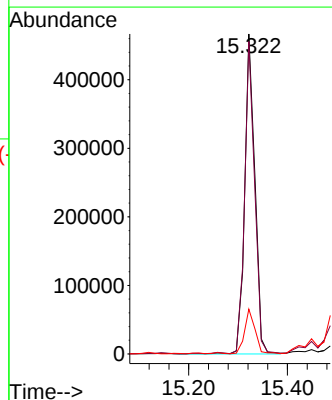
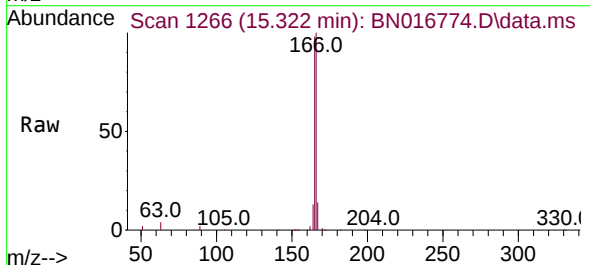
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ClientSampleId :
S-829-J-SO-1-1.5-092221

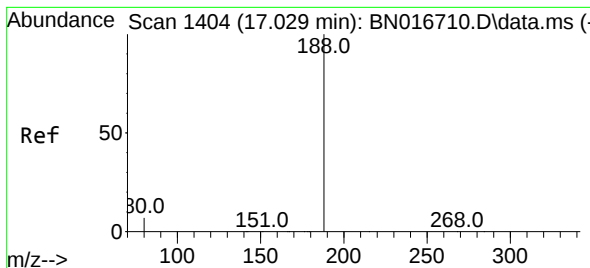
Tgt Ion:154 Resp: 583308
Ion Ratio Lower Upper
154 100
153 112.1 90.1 135.1
152 53.3 43.6 65.4



#18
Fluorene
Concen: 3.961 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:166 Resp: 665580
Ion Ratio Lower Upper
166 100
165 97.1 78.1 117.1
167 14.5 10.7 16.1

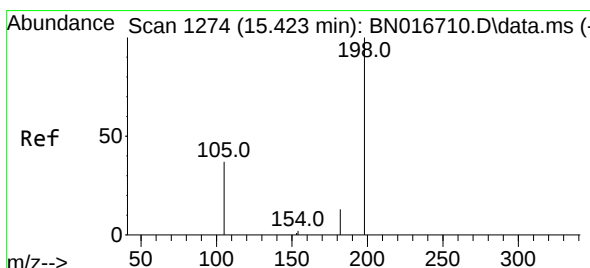
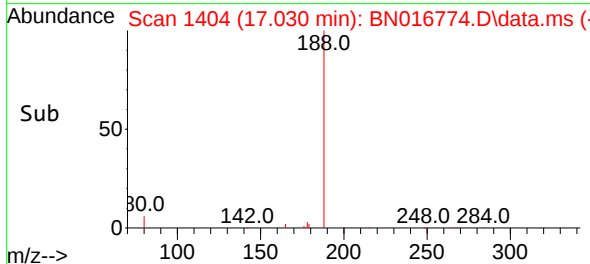
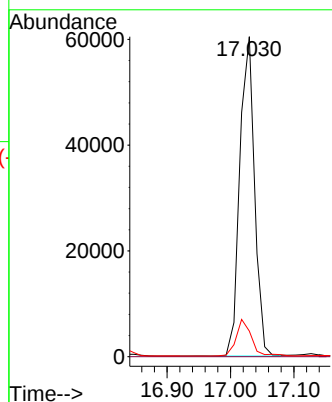
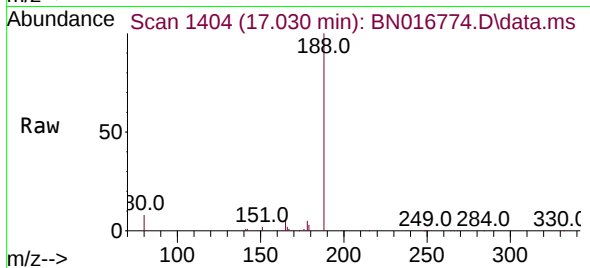




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

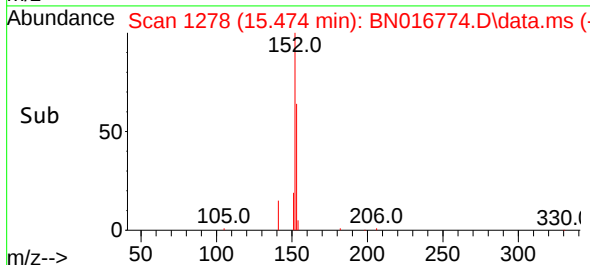
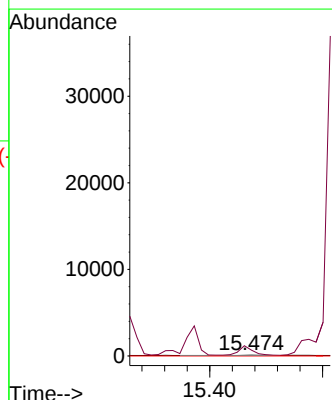
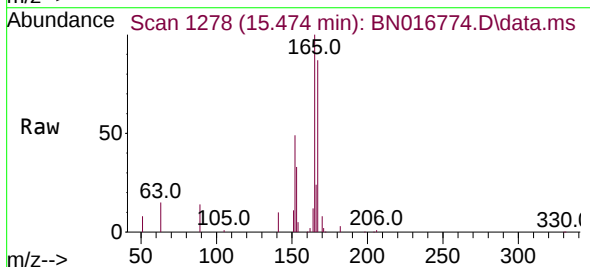
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

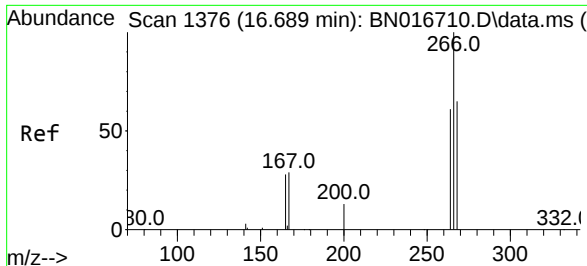
Tgt Ion:188	Resp:	98180
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.0	5.8



#20
4,6-Dinitro-2-methylphenol
Concen: 0.279 ng
RT: 15.474 min Scan# 1278
Delta R.T. 0.051 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:198	Resp:	100
Ion Ratio	Lower	Upper
198	100	
182	778.8	26.2
77	0.0	0.0

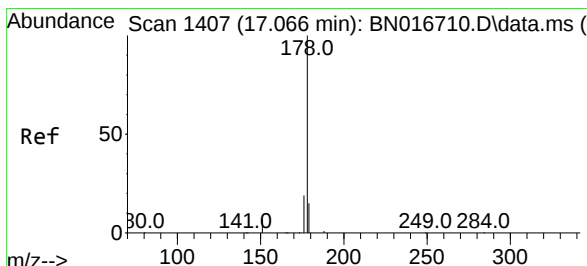
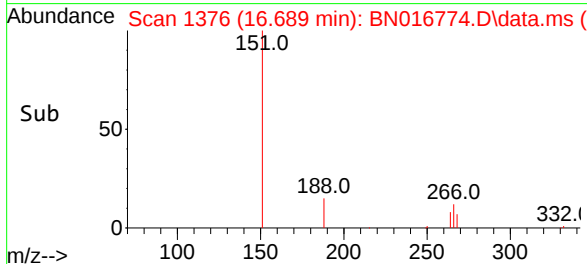
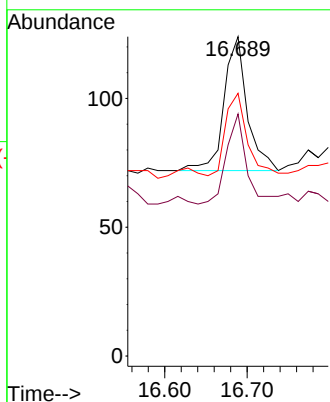
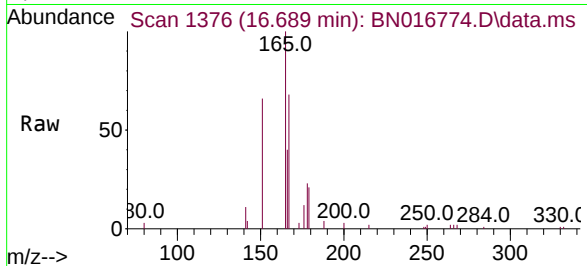




#24
Pentachlorophenol
Concen: 0.342 ng
RT: 16.689 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

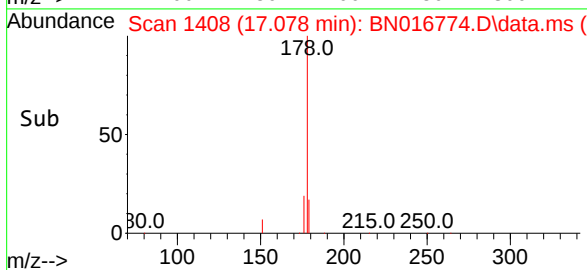
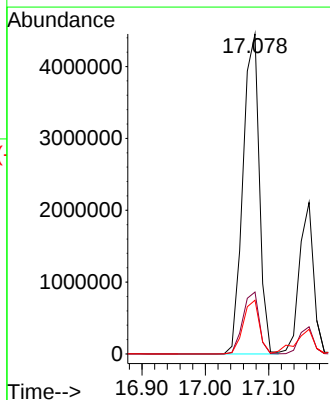
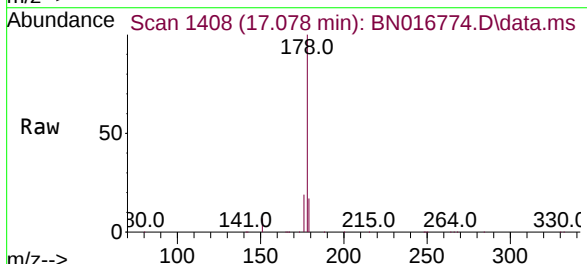
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

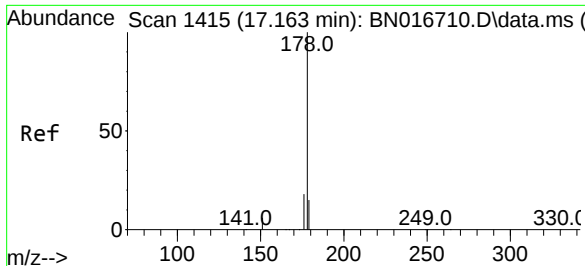
Tgt Ion:	266	Resp:	102
Ion Ratio	Lower	Upper	
266	100		
264	59.8	49.3	73.9
268	56.9	51.8	77.8



#25
Phenanthrene
Concen: 27.740 ng
RT: 17.078 min Scan# 1408
Delta R.T. 0.012 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:	178	Resp:	8006291
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.0	22.6
179	16.6	12.4	18.6

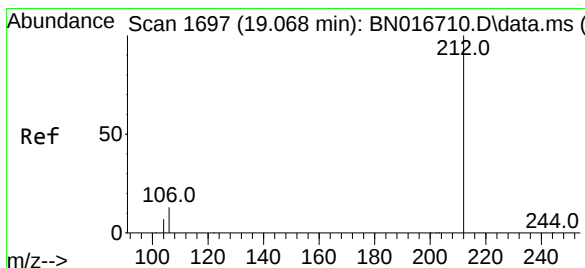
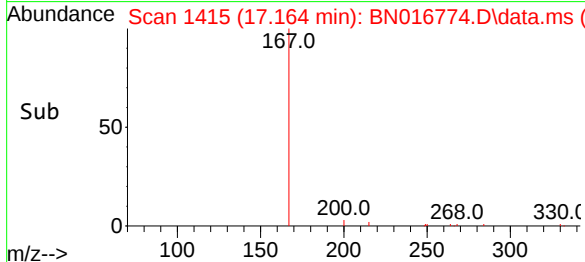
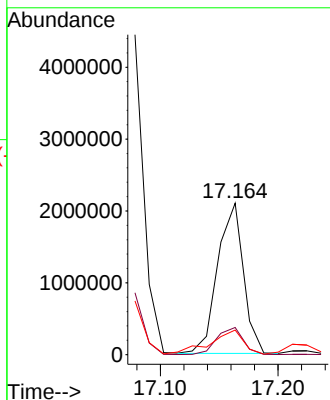
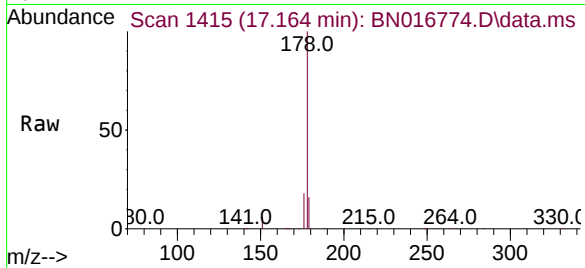




#26
 Anthracene
 Concen: 12.375 ng
 RT: 17.164 min Scan# 1415
 Delta R.T. 0.000 min
 Lab File: BN016774.D
 Acq: 06 Oct 2021 11:07

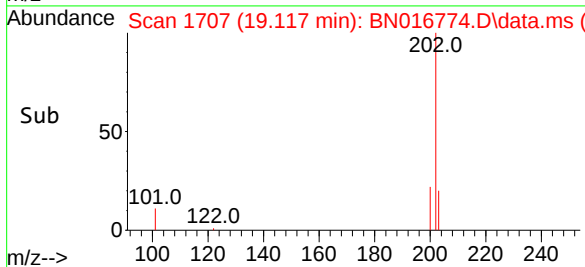
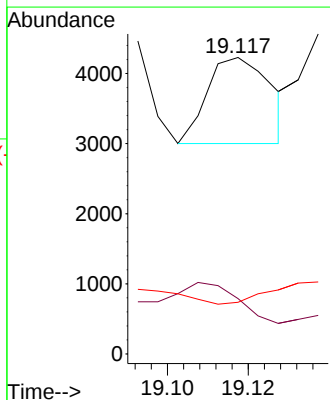
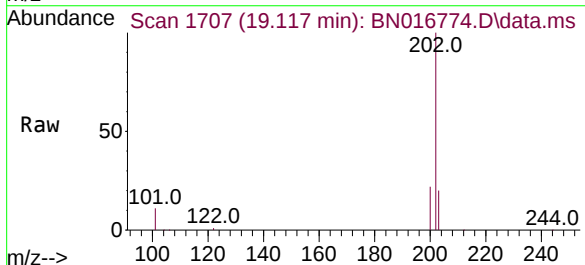
Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-1-1.5-092221

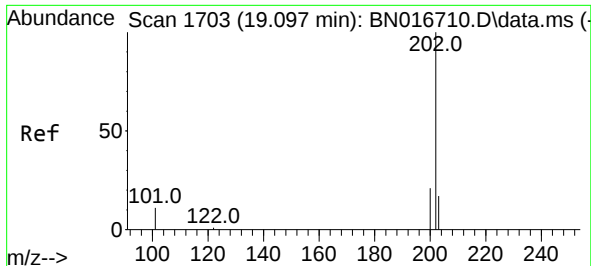
Tgt Ion:178 Resp: 3189877
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 20.2 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.005 ng
 RT: 19.117 min Scan# 1707
 Delta R.T. 0.050 min
 Lab File: BN016774.D
 Acq: 06 Oct 2021 11:07

Tgt Ion:212 Resp: 1351
 Ion Ratio Lower Upper
 212 100
 106 44.3 10.6 16.0#
 104 0.0 5.8 8.8#

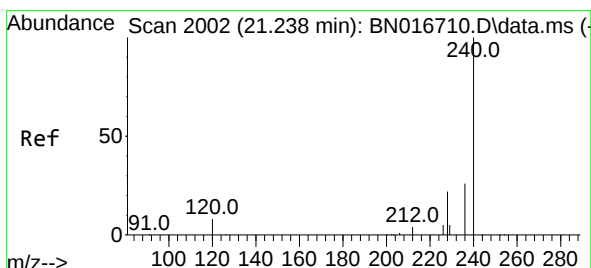
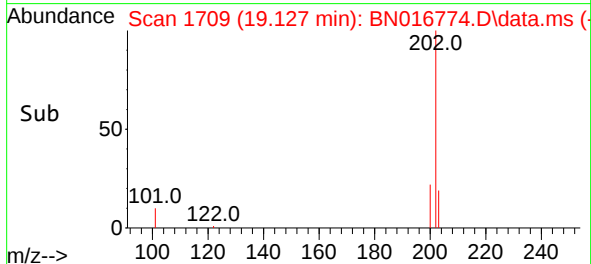
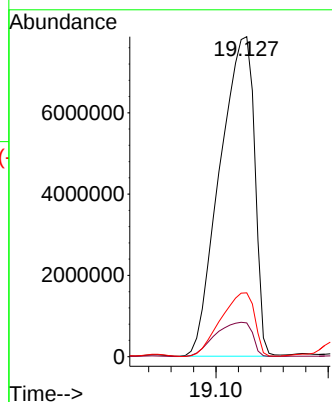
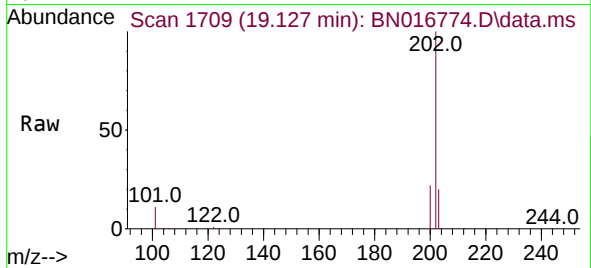




#28
Fluoranthene
Concen: 52.697 ng
RT: 19.127 min Scan# 1709
Delta R.T. 0.030 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

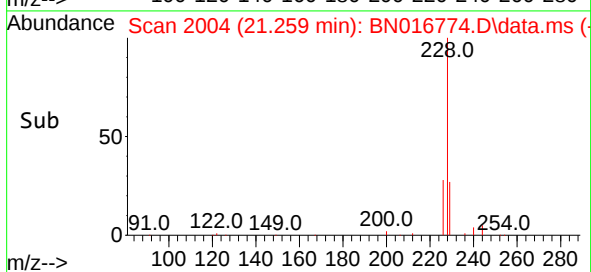
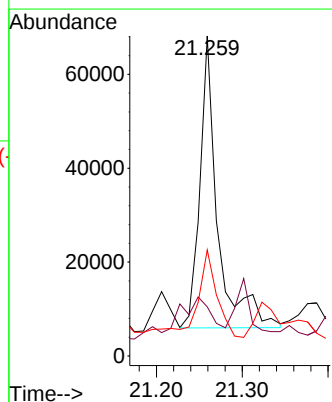
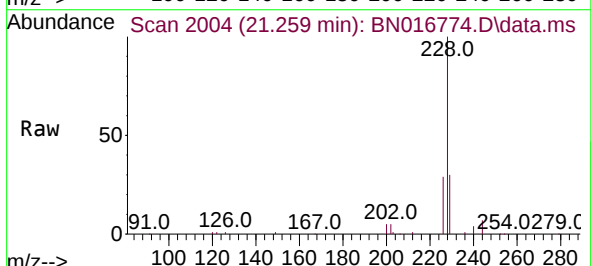
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

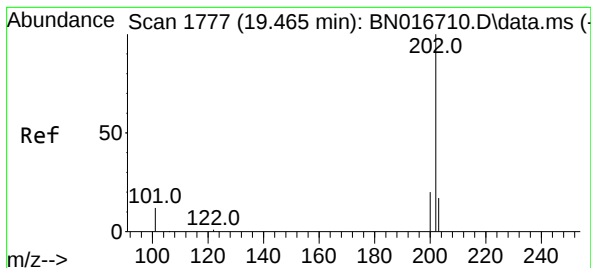
Tgt Ion:202 Resp:16877738
Ion Ratio Lower Upper
202 100
101 11.5 8.9 13.3
203 19.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.022 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:240 Resp: 89151
Ion Ratio Lower Upper
240 100
120 15.4 6.6 10.0#
236 33.1 20.7 31.1#





#30

Pyrene

Concen: 52.539 ng

RT: 19.490 min Scan# 1782

Delta R.T. 0.025 min

Lab File: BN016774.D

Acq: 06 Oct 2021 11:07

Tgt Ion:202 Resp:15401046

Ion Ratio Lower Upper

202 100

200 22.5 16.5 24.7

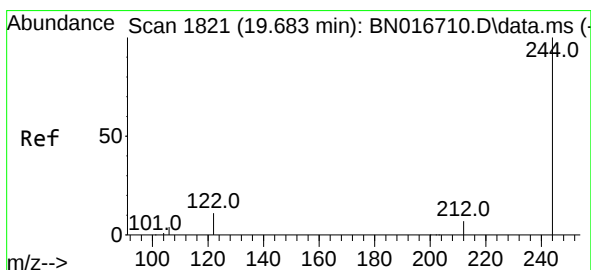
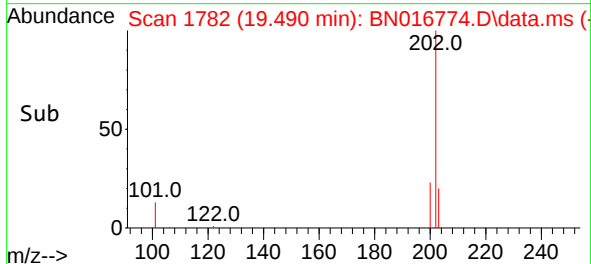
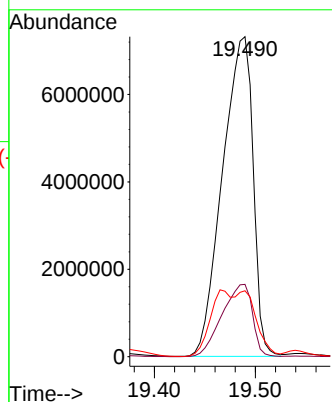
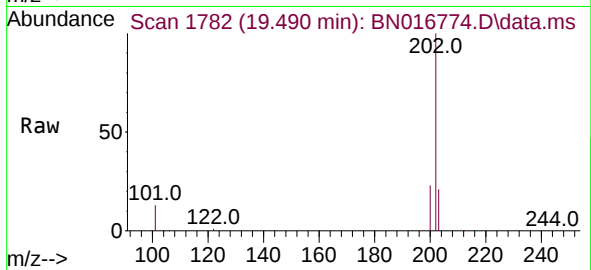
203 0.0 13.9 20.9#

Instrument :

BNA_N

ClientSampleId :

S-829-J-SO-1-1.5-092221



#31

Terphenyl-d14

Concen: 0.017 ng

RT: 19.718 min Scan# 1828

Delta R.T. 0.035 min

Lab File: BN016774.D

Acq: 06 Oct 2021 11:07

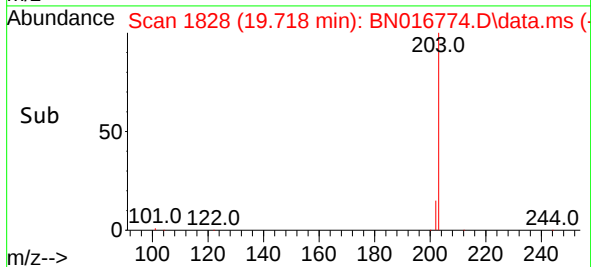
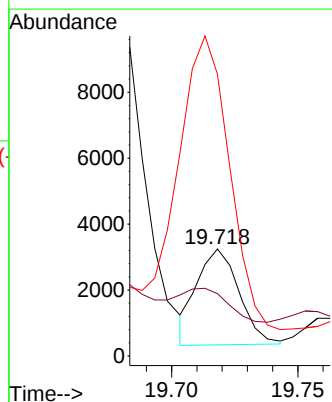
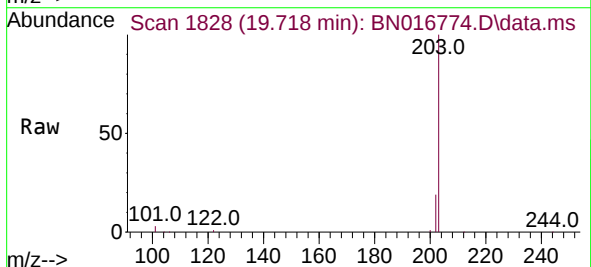
Tgt Ion:244 Resp: 3385

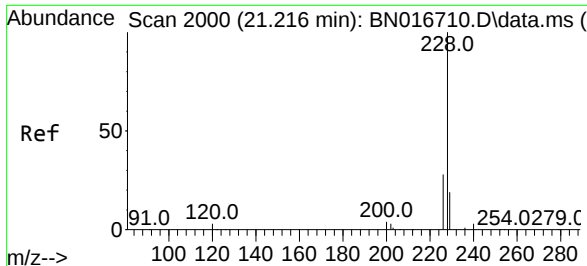
Ion Ratio Lower Upper

244 100

212 58.2 5.8 8.6#

122 263.2 8.9 13.3#

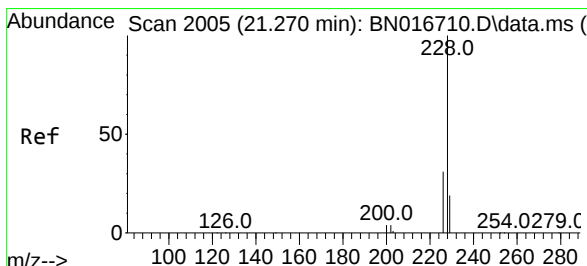
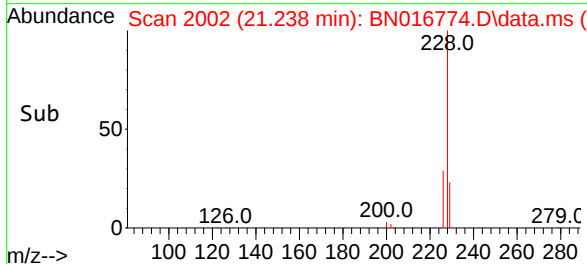
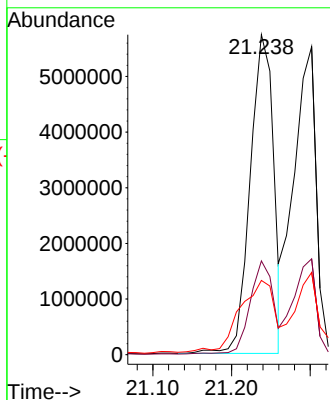
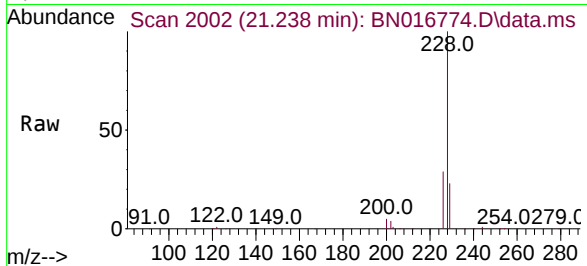




#32
Benzo(a)anthracene
Concen: 43.045 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.022 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

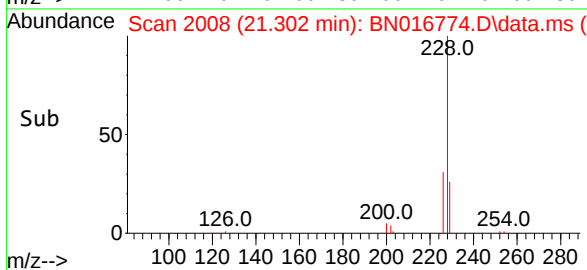
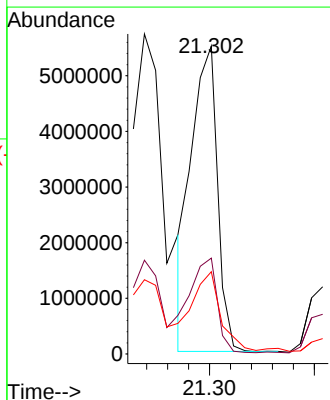
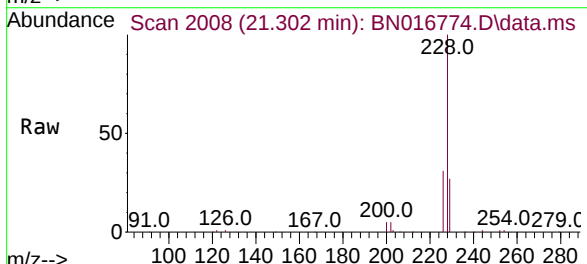
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

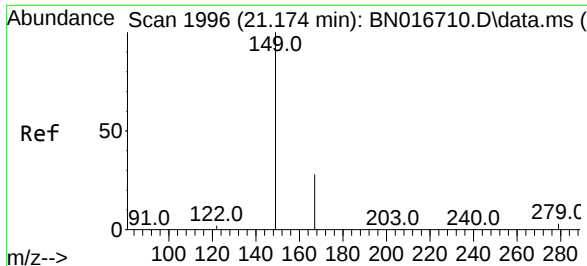
Tgt Ion:228 Resp:11902651
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 23.2 15.4 23.0#



#33
Chrysene
Concen: 33.867 ng
RT: 21.302 min Scan# 2008
Delta R.T. 0.032 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:228 Resp: 9499699
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 26.7 15.4 23.0#

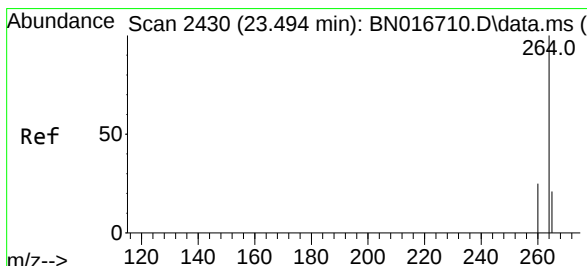
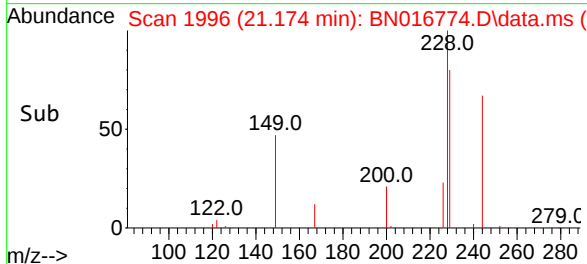
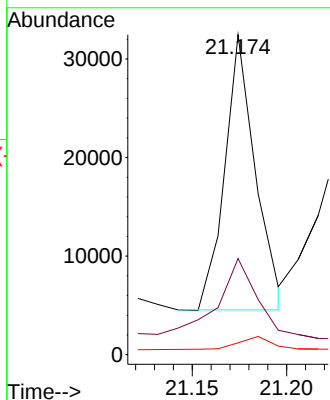
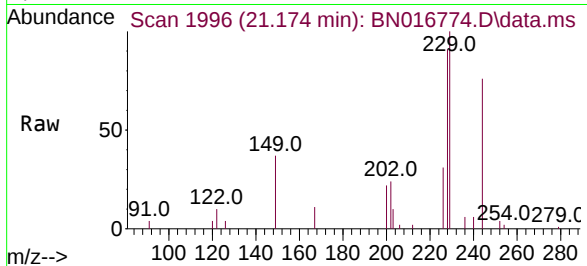




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.188 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

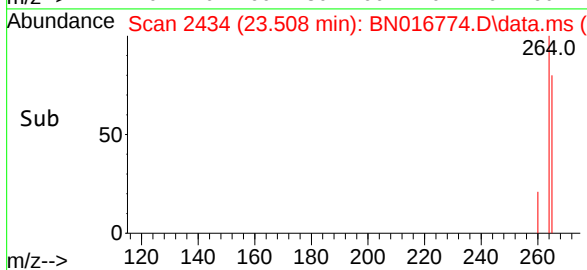
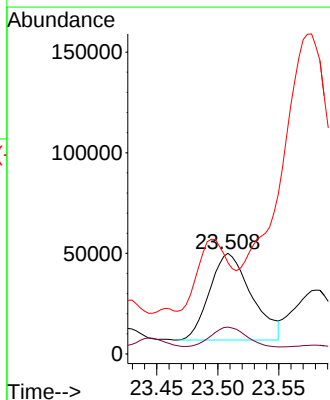
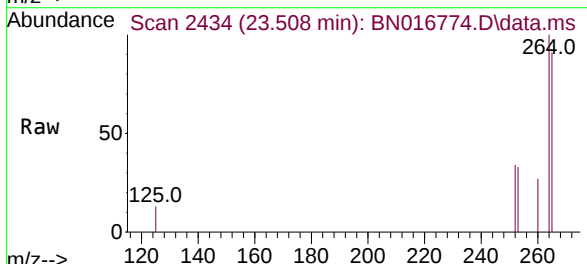
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

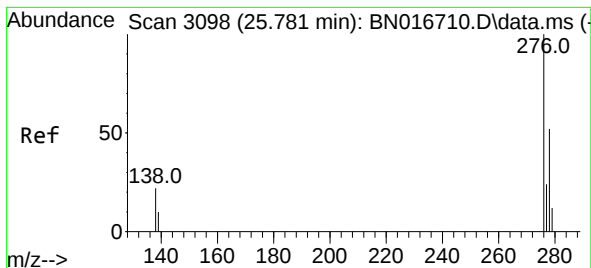
Tgt Ion:149 Resp: 31532
Ion Ratio Lower Upper
149 100
167 39.9 22.2 33.4#
279 7.9 3.4 5.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.508 min Scan# 2434
Delta R.T. 0.014 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:264 Resp: 103074
Ion Ratio Lower Upper
264 100
260 26.8 19.8 29.6
265 90.7 20.3 30.5#

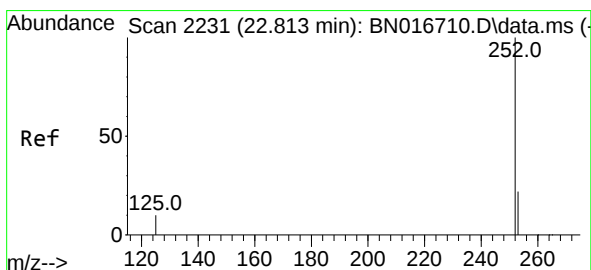
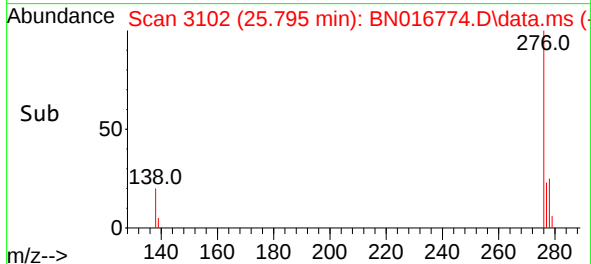
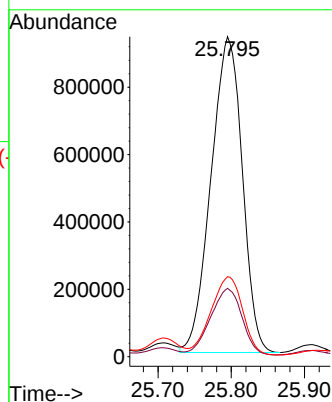
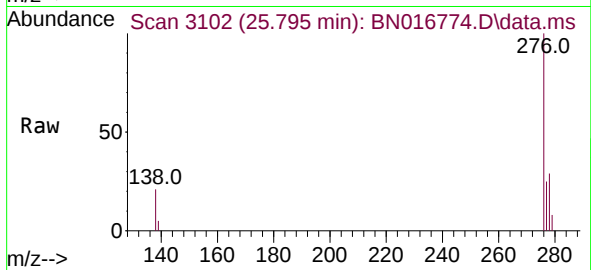




#36
Indeno(1,2,3-cd)pyrene
Concen: 8.502 ng
RT: 25.795 min Scan# 3102
Delta R.T. 0.014 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

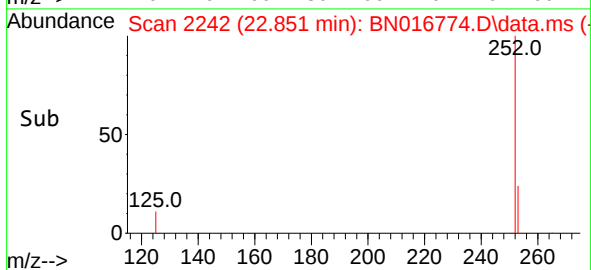
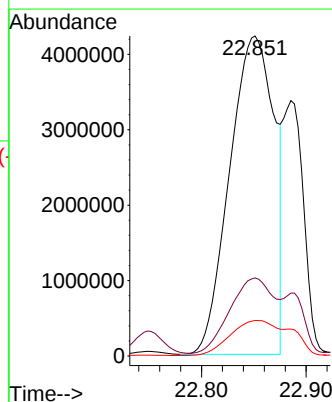
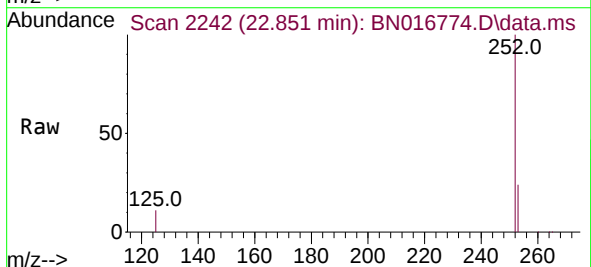
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

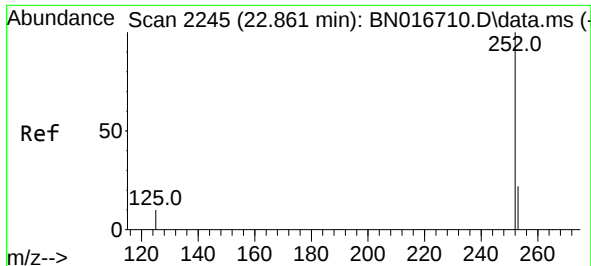
Tgt Ion:276 Resp: 2782045
Ion Ratio Lower Upper
276 100
138 21.2 19.2 28.8
277 25.2 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 37.576 ng
RT: 22.851 min Scan# 2242
Delta R.T. 0.038 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

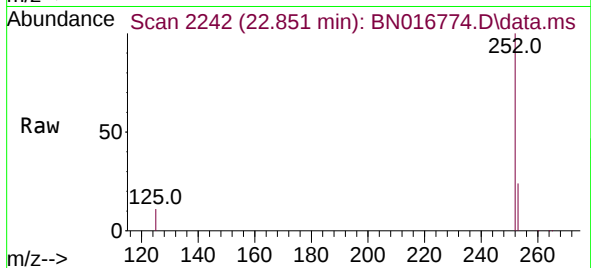
Tgt Ion:252 Resp:12524054
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 11.1 8.3 12.5



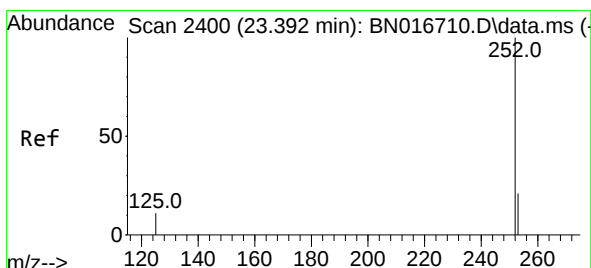
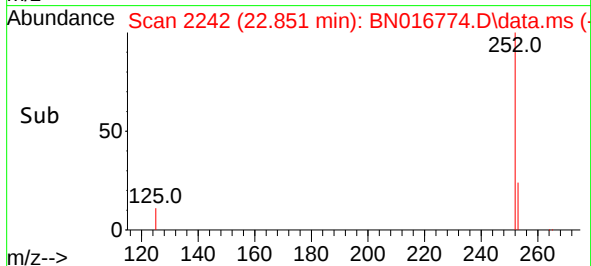
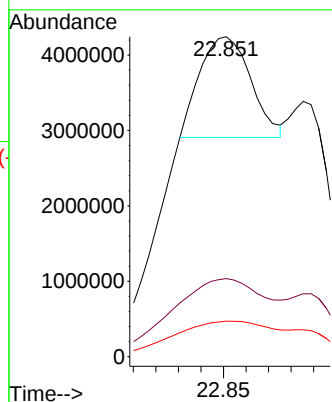


#38
Benzo(k)fluoranthene
Concen: 6.589 ng
RT: 22.851 min Scan# 2242
Delta R.T. -0.010 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

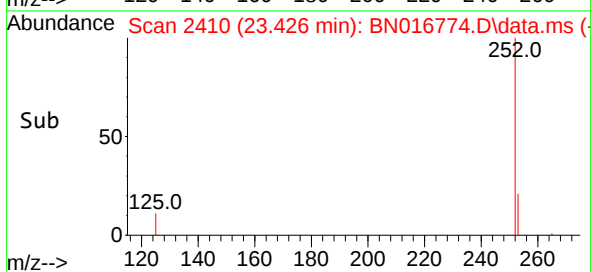
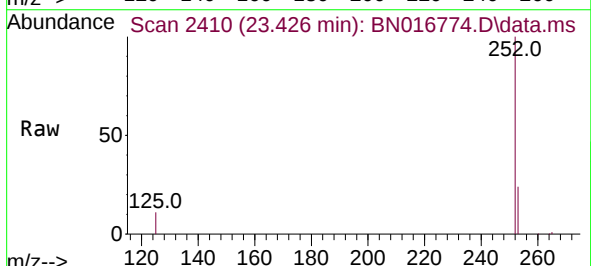
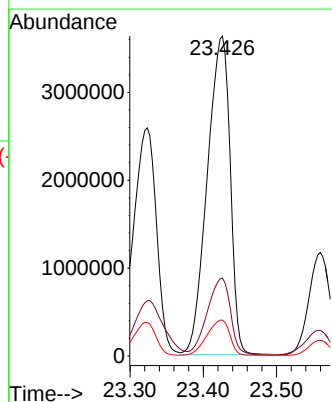


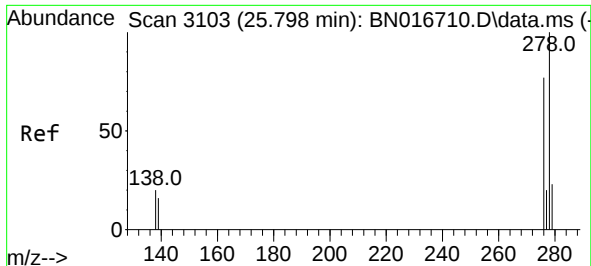
Tgt Ion:252 Resp: 2110445
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 11.1 8.5 12.7



#39
Benzo(a)pyrene
Concen: 26.374 ng
RT: 23.426 min Scan# 2410
Delta R.T. 0.035 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:252 Resp: 7865056
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.2 9.4 14.2

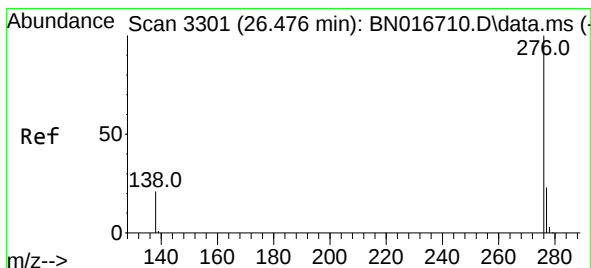
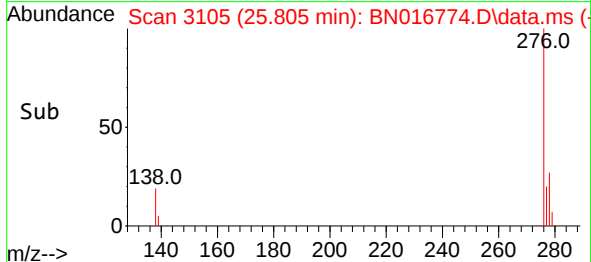
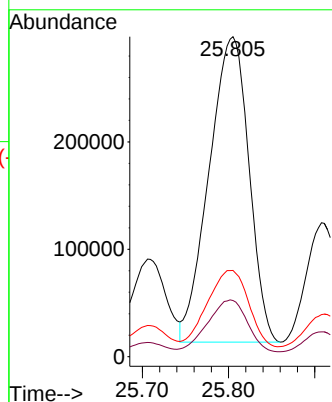
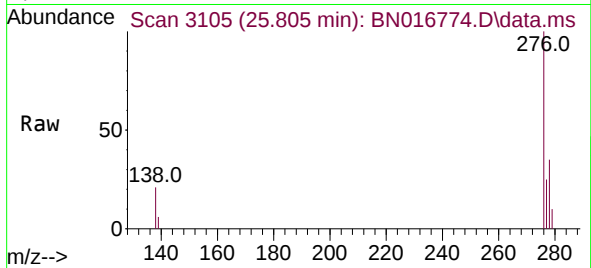




#40
Dibenzo(a,h)anthracene
Concen: 3.520 ng
RT: 25.805 min Scan# 3105
Delta R.T. 0.007 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-1-1.5-092221

Tgt Ion:278 Resp: 913960
Ion Ratio Lower Upper
278 100
139 17.5 13.1 19.7
279 26.9 19.3 28.9



#41
Benzo(g,h,i)perylene
Concen: 7.217 ng
RT: 26.497 min Scan# 3307
Delta R.T. 0.021 min
Lab File: BN016774.D
Acq: 06 Oct 2021 11:07

Tgt Ion:276 Resp: 2096512
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.4
138 20.9 17.0 25.6

