

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016528.D
 Acq On : 27 Sep 2021 02:39
 Operator : CG/JU
 Sample : M3945-08
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-1-1.5-092421

Quant Time: Sep 27 05:33:26 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)

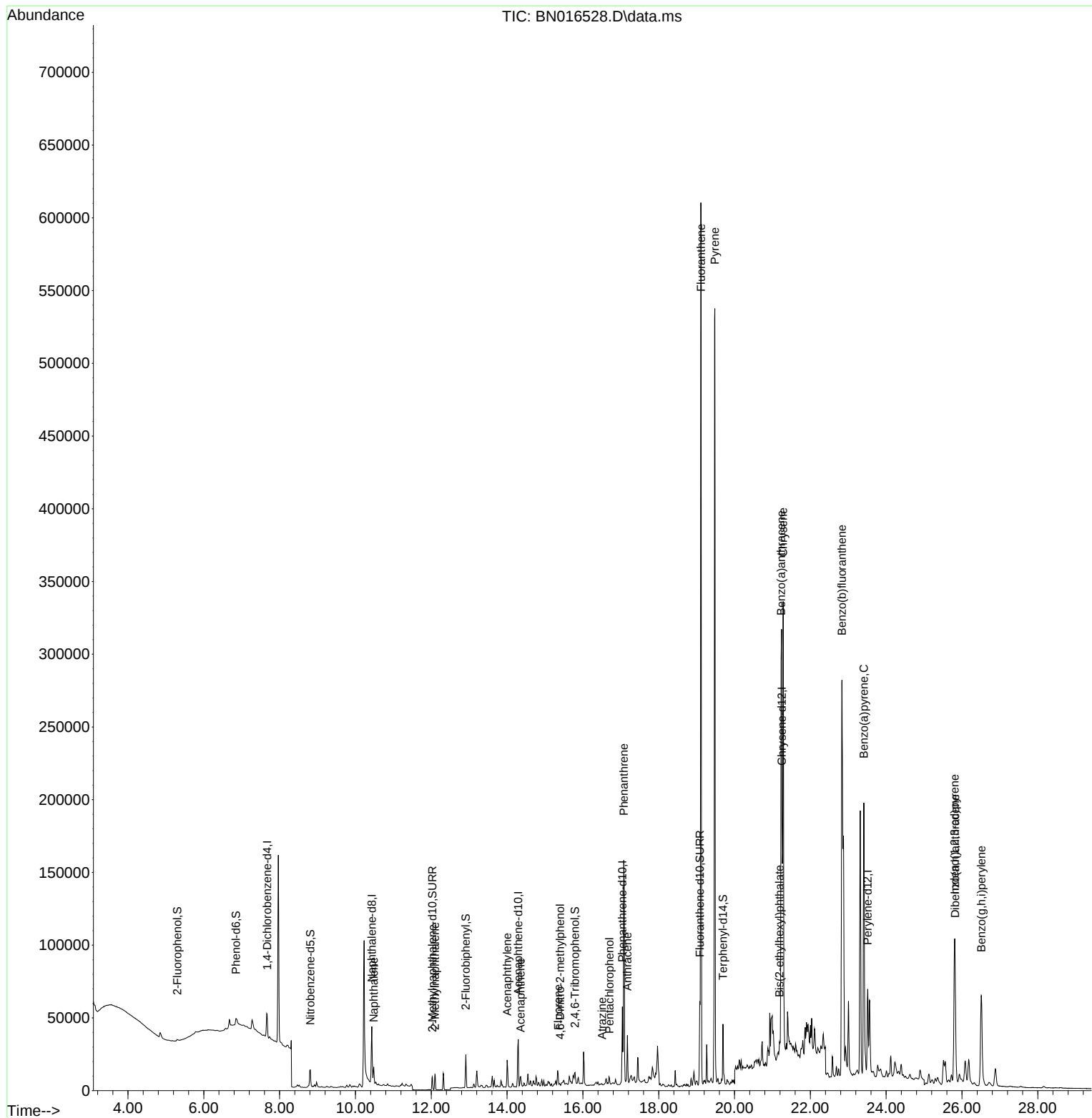
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	10171	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	48099	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	15063	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	61296	0.400	ng	0.00
29) Chrysene-d12	21.249	240	88608	0.400	ng	# 0.00
35) Perylene-d12	23.512	264	78688	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	1070	0.047	ng	0.02
5) Phenol-d6	6.849	99	3528	0.131	ng	0.00
8) Nitrobenzene-d5	8.810	82	10600	0.311	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	11883	0.167	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1867	0.458	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	17784	0.281	ng	-0.01
27) Fluoranthene-d10	19.083	212	64429	0.383	ng	0.00
31) Terphenyl-d14	19.693	244	40554	0.197	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.483	128	15064	0.117	ng	97
12) 2-Methylnaphthalene	12.096	142	7448	0.092	ng	# 92
16) Acenaphthylene	14.002	152	18596	0.304	ng	96
17) Acenaphthene	14.358	154	2360	0.054	ng	# 42
18) Fluorene	15.347	166	3885	0.074	ng	# 77
20) 4,6-Dinitro-2-methylph...	15.398	198	28	0.151	ng	# 1
23) Atrazine	16.506	200	74	0.137	ng	# 40
24) Pentachlorophenol	16.701	266	137	0.252	ng	# 88
25) Phenanthrene	17.078	178	174859	0.959	ng	98
26) Anthracene	17.176	178	31208	0.205	ng	96
28) Fluoranthene	19.113	202	531198	2.657	ng	99
30) Pyrene	19.480	202	491256	1.771	ng	95
32) Benzo(a)anthracene	21.228	228	255628	0.995	ng	95
33) Chrysene	21.281	228	283784	1.028	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	6736	0.096	ng	99
36) Indeno(1,2,3-cd)pyrene	25.809	276	160557	0.630	ng	97
37) Benzo(b)fluoranthene	22.834	252	461316	1.755	ng	100
39) Benzo(a)pyrene	23.409	252	272563	1.272	ng	97
40) Dibenzo(a,h)anthracene	25.819	278	39944	0.184	ng	# 88
41) Benzo(g,h,i)perylene	26.514	276	134313	0.602	ng	98

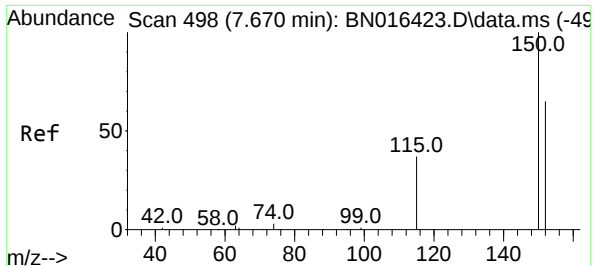
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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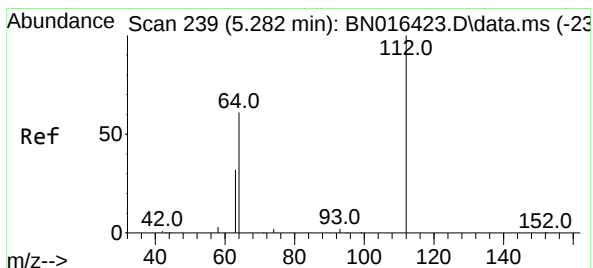
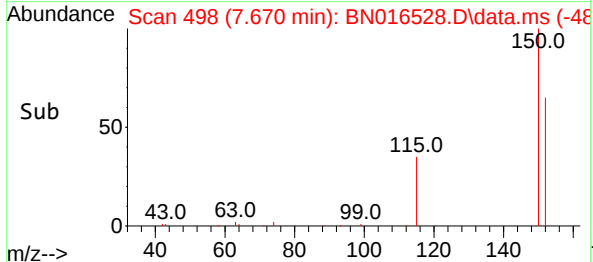
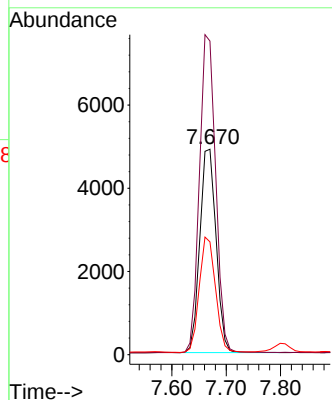
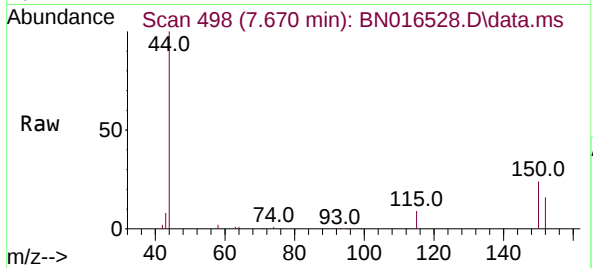




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. 0.000 min
 Lab File: BN016528.D
 Acq: 27 Sep 2021 02:39

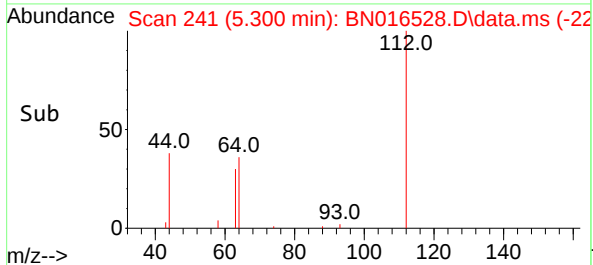
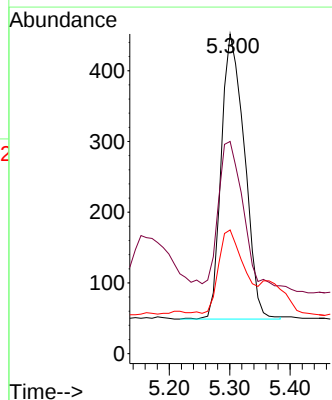
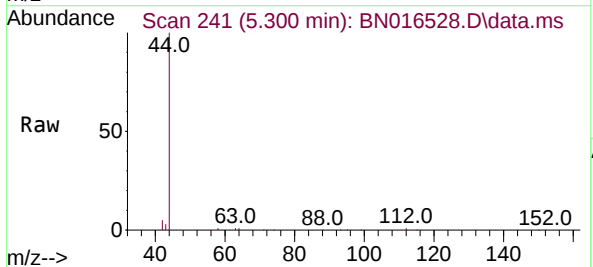
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 BNA_N
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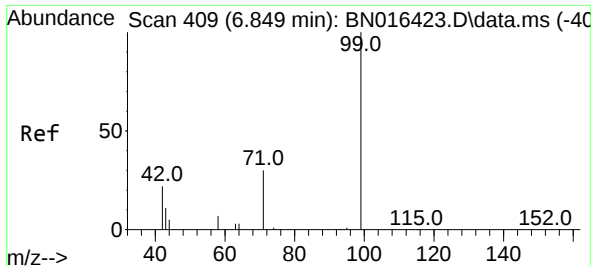
Tgt Ion:152 Resp: 10171
 Ion Ratio Lower Upper
 152 100
 150 152.7 125.6 188.4
 115 54.9 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.047 ng
 RT: 5.300 min Scan# 241
 Delta R.T. 0.019 min
 Lab File: BN016528.D
 Acq: 27 Sep 2021 02:39

Tgt Ion:112 Resp: 1070
 Ion Ratio Lower Upper
 112 100
 64 52.9 47.3 70.9
 63 33.1 23.4 35.0

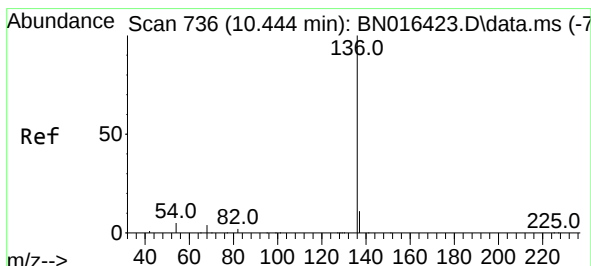
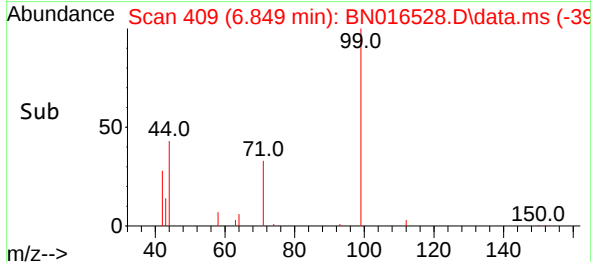
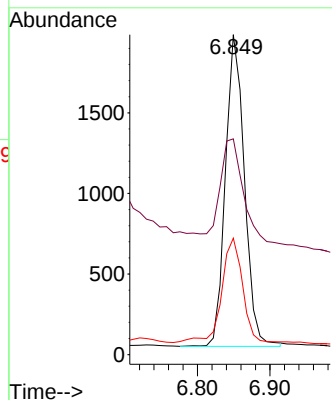
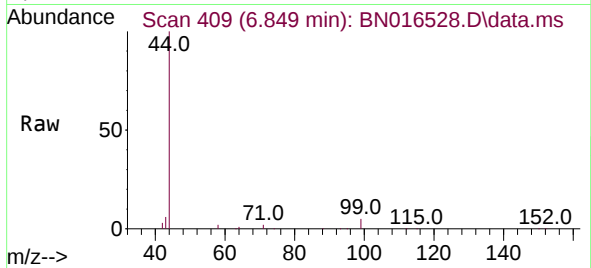




#5
Phenol-d6
Concen: 0.131 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

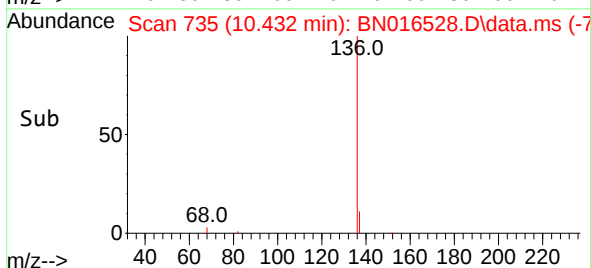
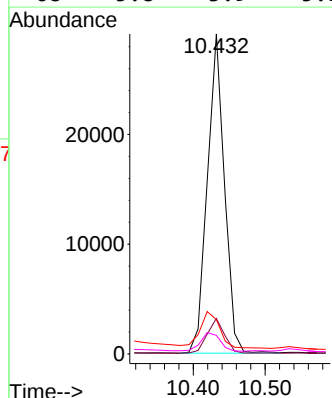
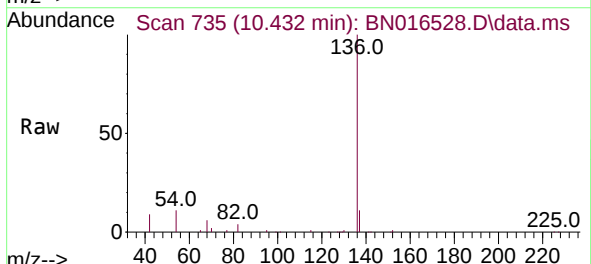
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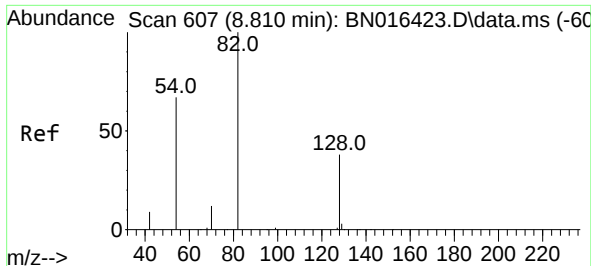
Tgt Ion: 99 Resp: 3528
Ion Ratio Lower Upper
99 100
42 41.2 14.0 21.0#
71 36.5 23.8 35.6#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion: 136 Resp: 48099
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.8 5.3 7.9#
68 5.8 3.9 5.9

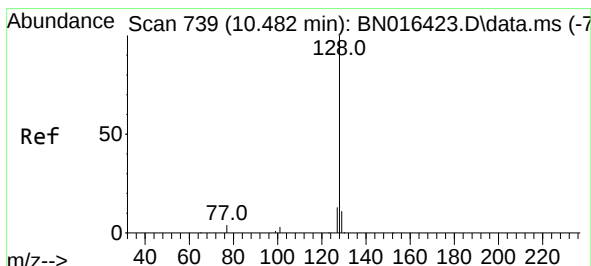
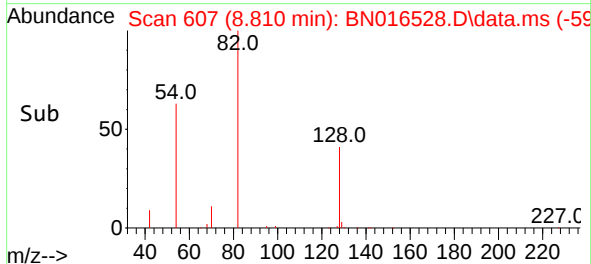
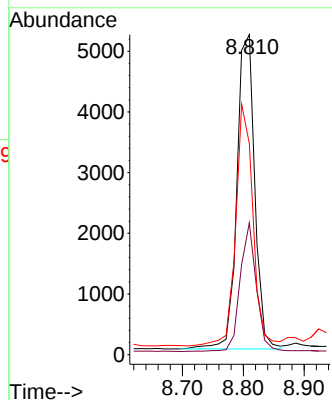
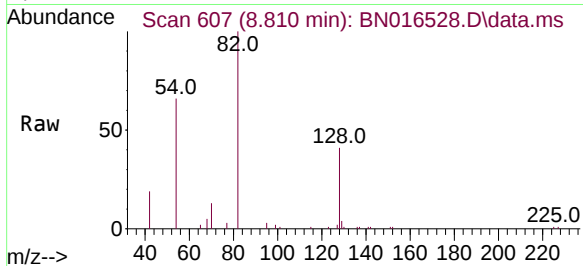




#8
Nitrobenzene-d5
Concen: 0.311 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

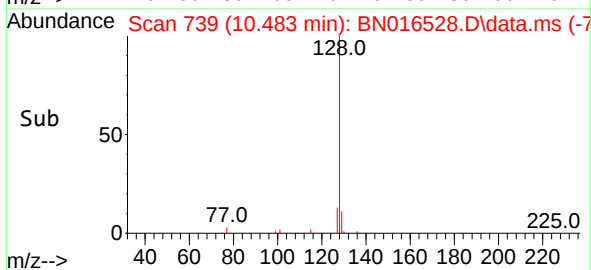
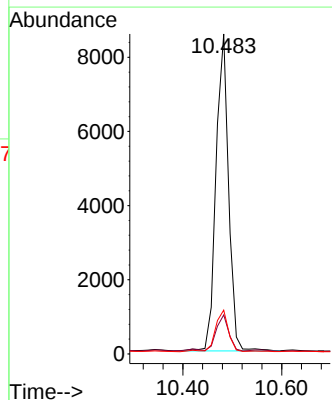
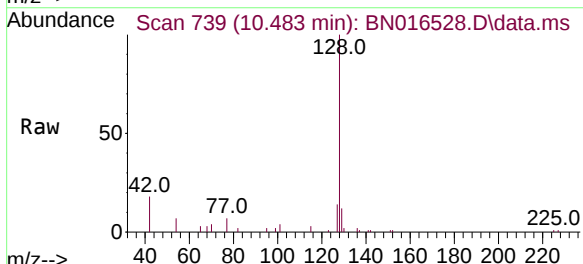
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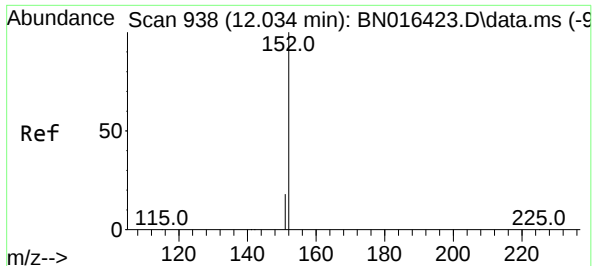
Tgt Ion:	82	Resp:	10600
Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.7	47.5
54	66.0	46.4	69.6



#9
Naphthalene
Concen: 0.117 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:	128	Resp:	15064
Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.9	13.3
127	13.7	10.1	15.1

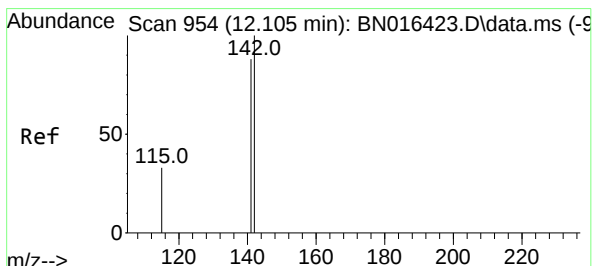
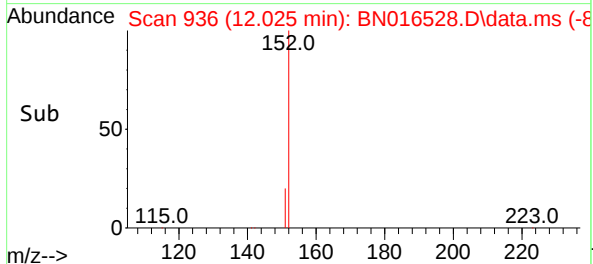
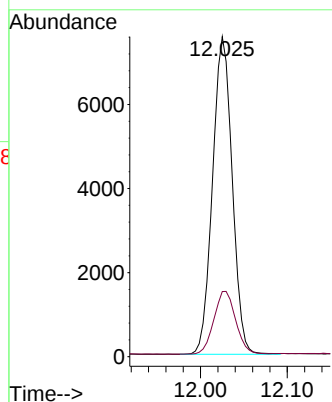
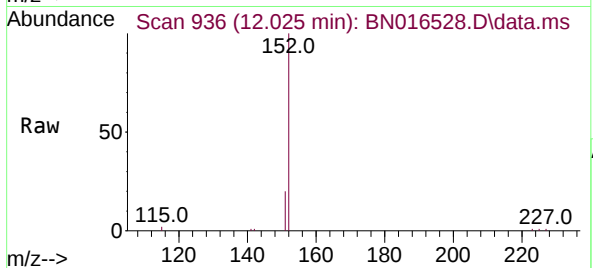




#11
2-Methylnaphthalene-d10
Concen: 0.167 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

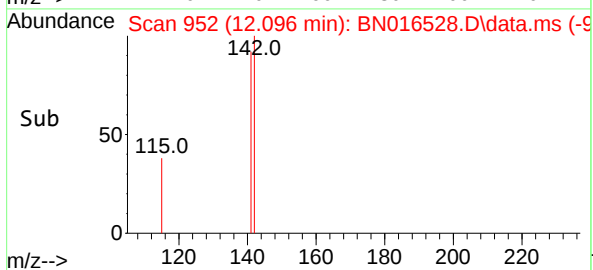
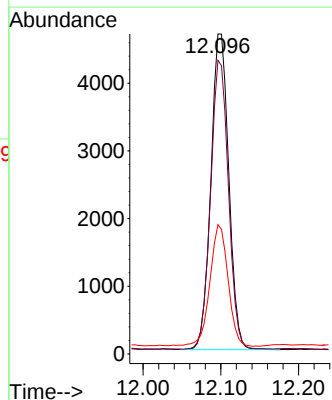
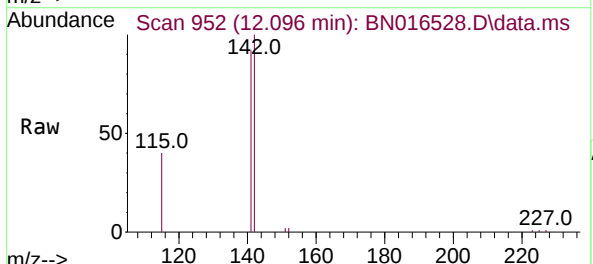
Instrument :
BNA_N
ClientSampleId :
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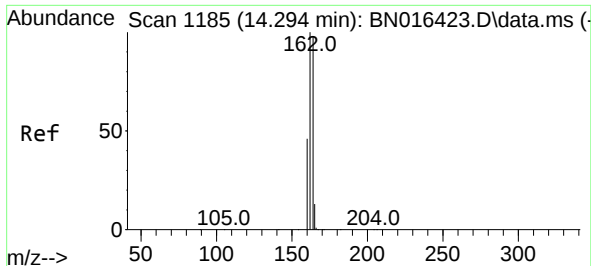
Tgt Ion:152 Resp: 11883
Ion Ratio Lower Upper
152 100
151 21.9 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.092 ng
RT: 12.096 min Scan# 952
Delta R.T. -0.009 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:142 Resp: 7448
Ion Ratio Lower Upper
142 100
141 91.8 69.8 104.8
115 40.4 24.4 36.6#

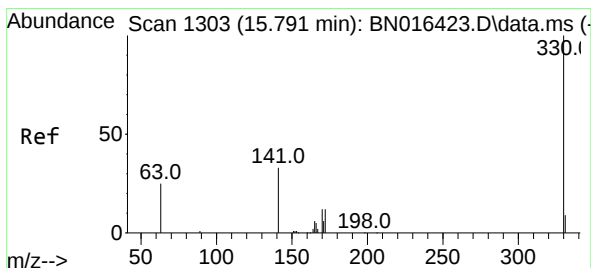
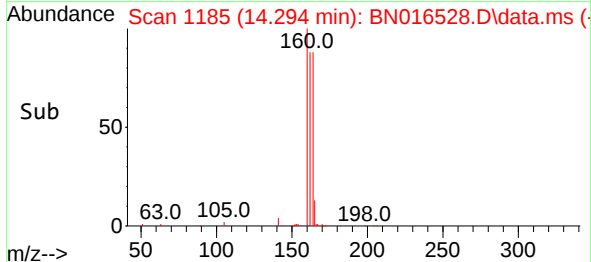
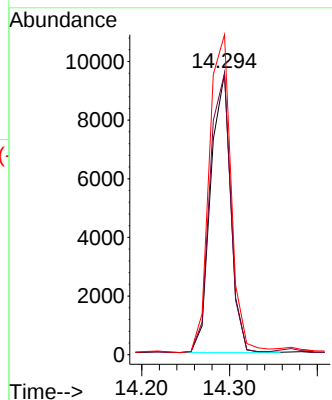
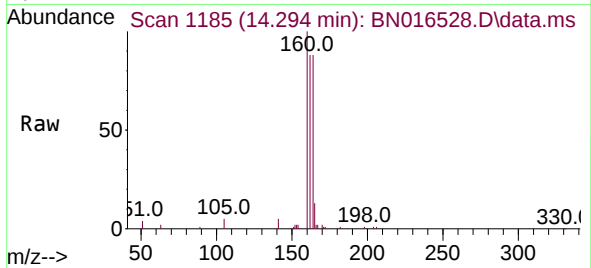




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

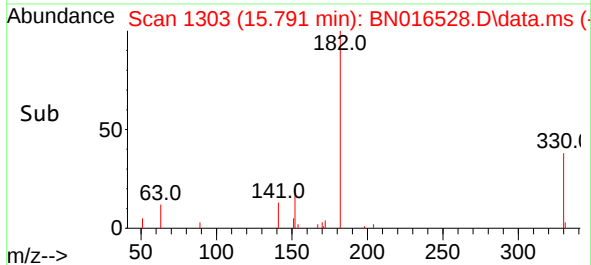
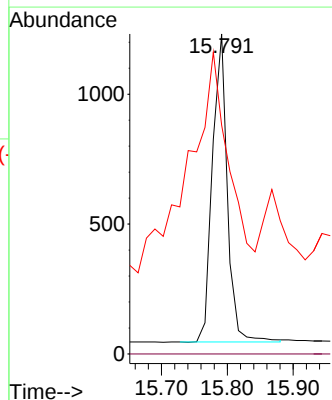
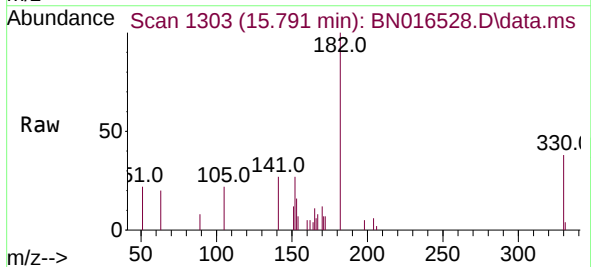
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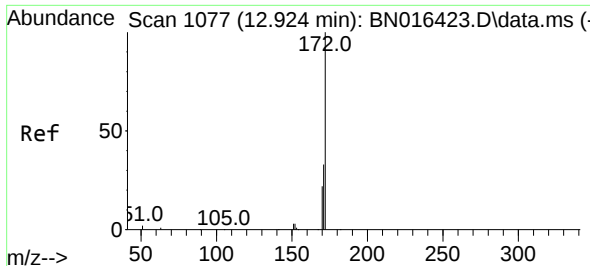
Tgt Ion:164 Resp: 15063
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.4
160 113.7 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.458 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:330 Resp: 1867
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 124.1 25.0 37.4#

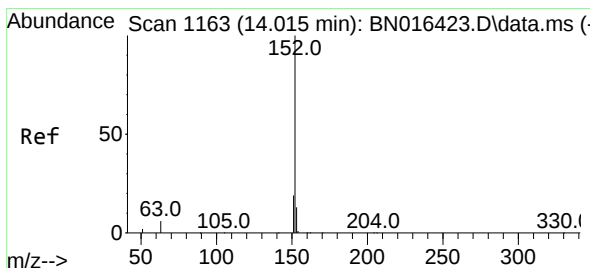
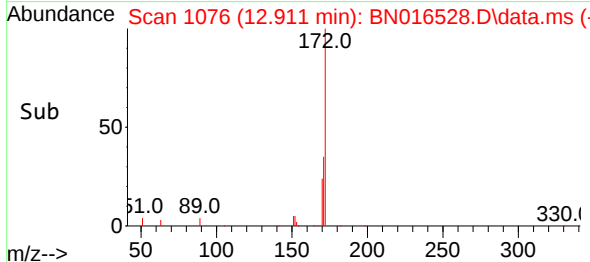
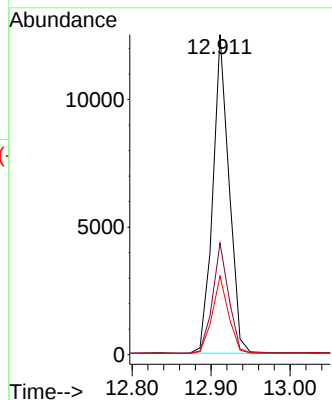
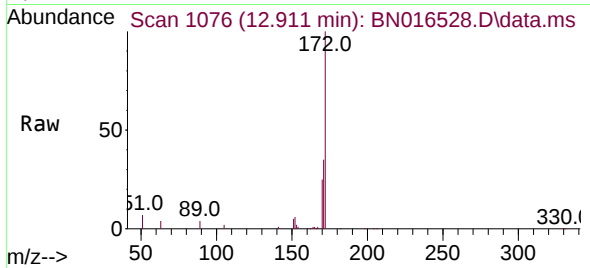




#15
2-Fluorobiphenyl
Concen: 0.281 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

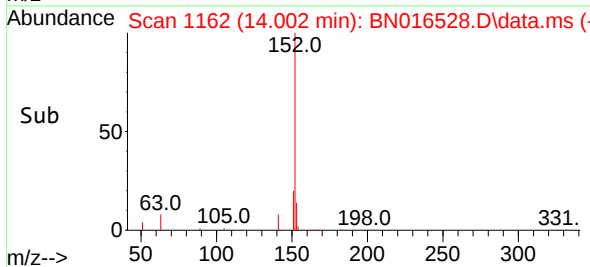
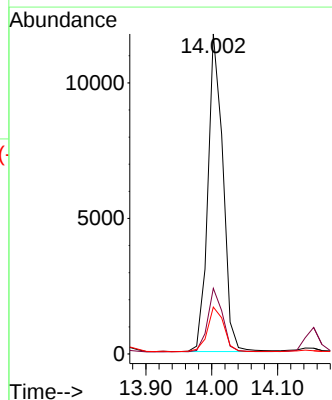
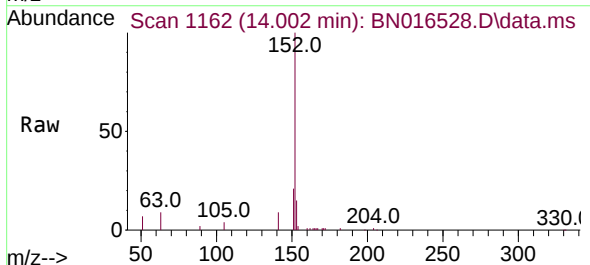
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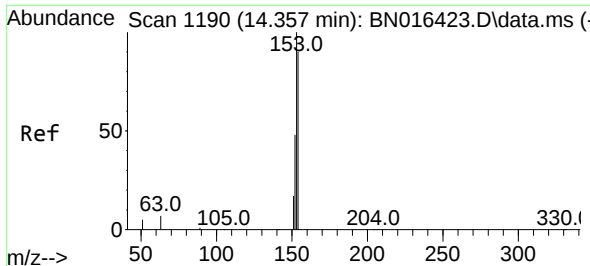
Tgt Ion:172	Resp:	17784
Ion Ratio	Lower	Upper
172	100	
171	34.9	27.8 41.6
170	24.6	18.2 27.2



#16
Acenaphthylene
Concen: 0.304 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:152	Resp:	18596
Ion Ratio	Lower	Upper
152	100	
151	20.3	15.2 22.8
153	15.4	10.5 15.7

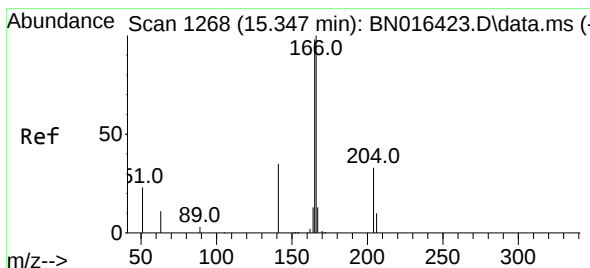
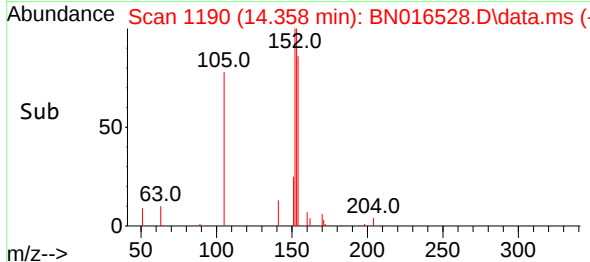
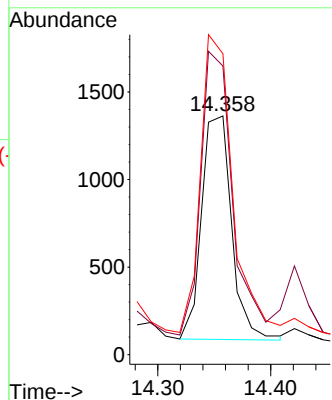
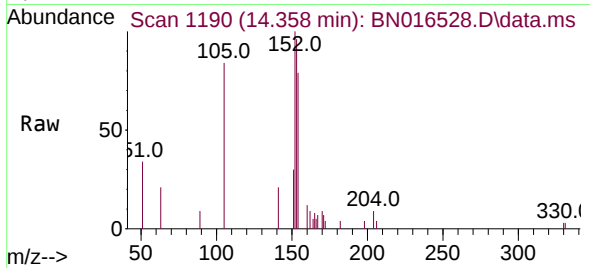




#17
Acenaphthene
Concen: 0.054 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

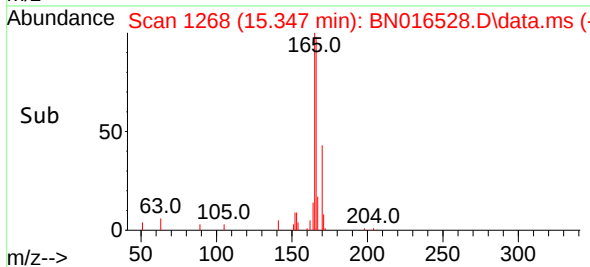
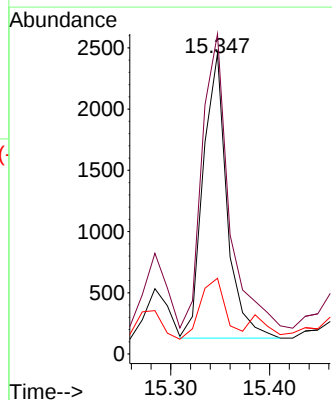
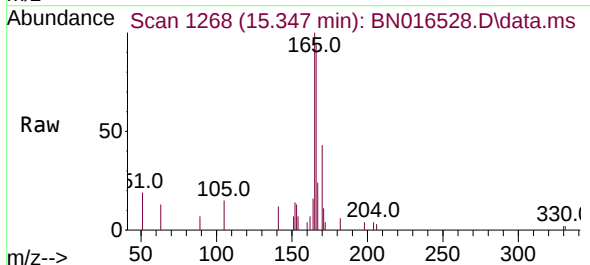
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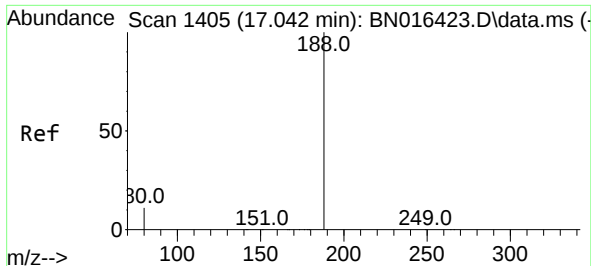
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Ion Ratio Lower Upper
154 100
153 133.7 89.3 133.9
152 150.1 42.2 63.4#



#18
Fluorene
Concen: 0.074 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:166 Resp: 3885
Ion Ratio Lower Upper
166 100
165 118.2 76.7 115.1#
167 23.0 10.9 16.3#

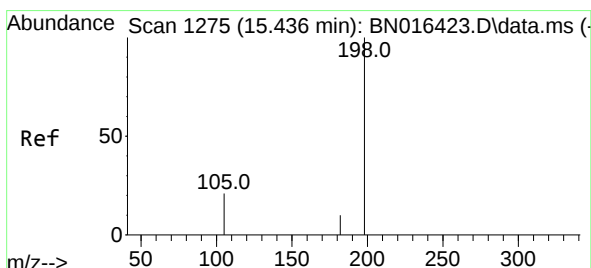
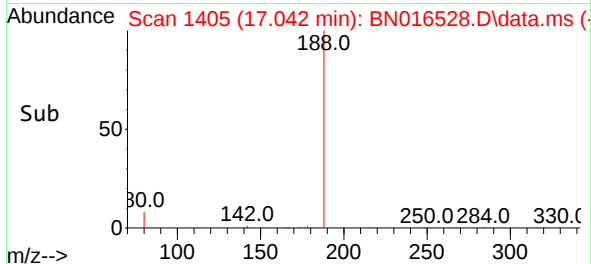
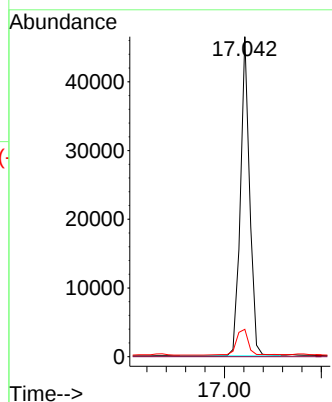
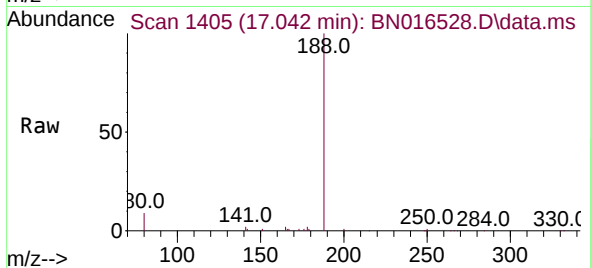




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

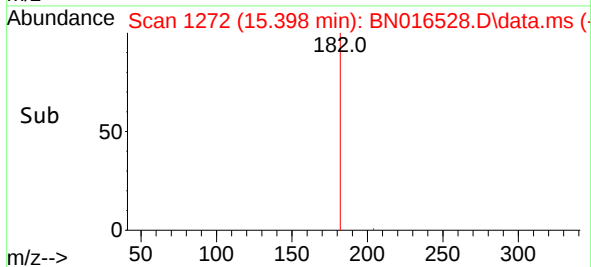
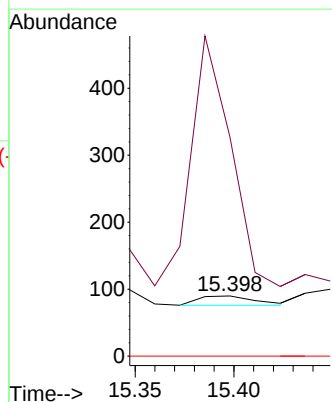
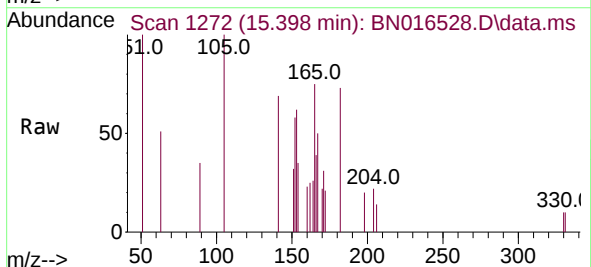
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

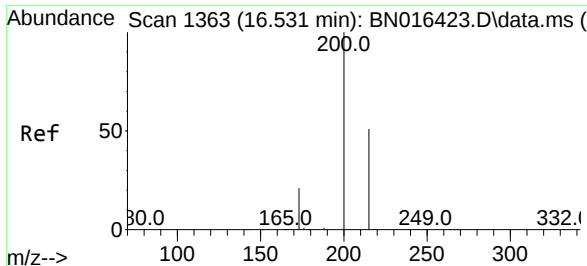
Tgt Ion:188 Resp: 61296
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.6 7.0 10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.151 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.038 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

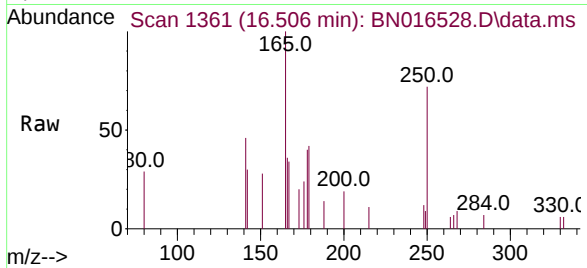
Tgt Ion:198 Resp: 28
Ion Ratio Lower Upper
198 100
182 363.3 26.6 39.8#
77 0.0 0.0 0.0



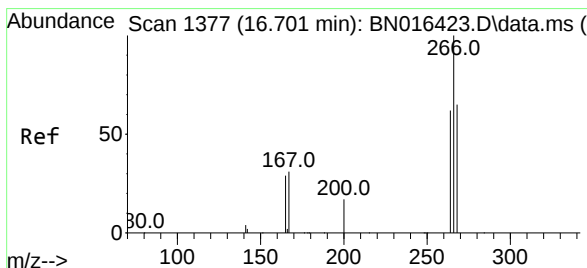
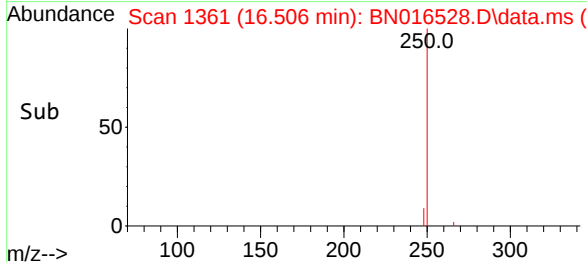
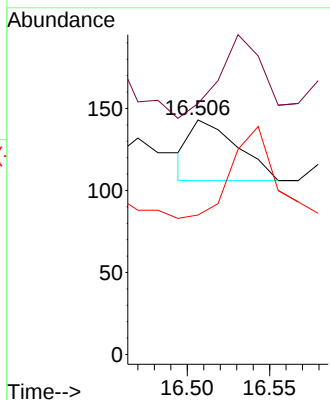


#23
Atrazine
Concen: 0.137 ng
RT: 16.506 min Scan# 1361
Delta R.T. -0.024 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

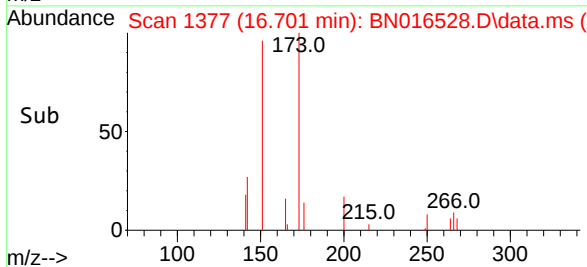
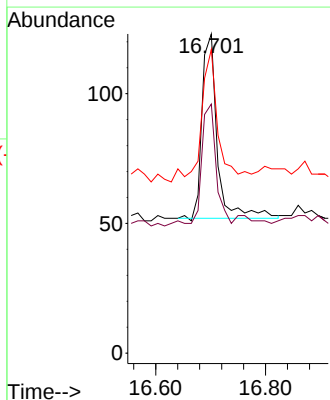
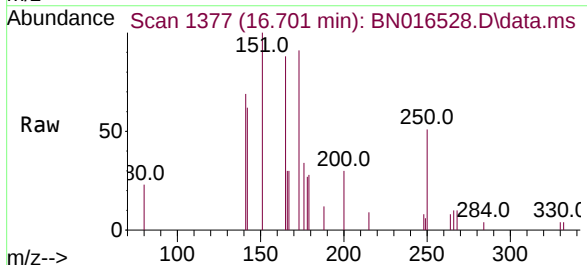


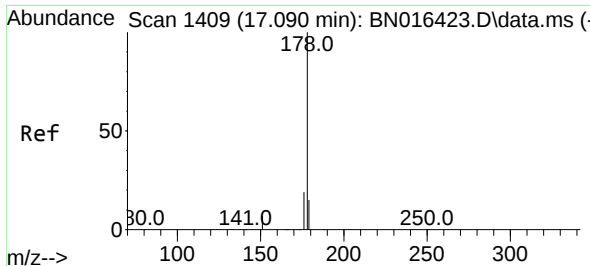
Tgt Ion:200 Resp: 74
Ion Ratio Lower Upper
200 100
173 107.0 18.7 28.1#
215 59.4 41.6 62.4



#24
Pentachlorophenol
Concen: 0.252 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:266 Resp: 137
Ion Ratio Lower Upper
266 100
264 59.1 50.6 75.8
268 80.3 52.6 79.0#

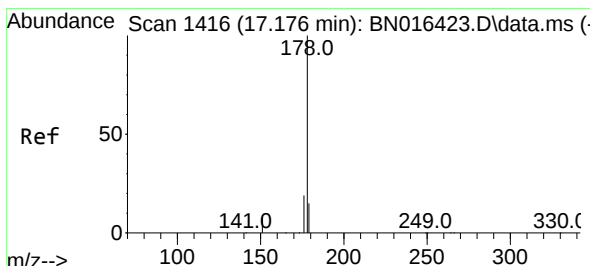
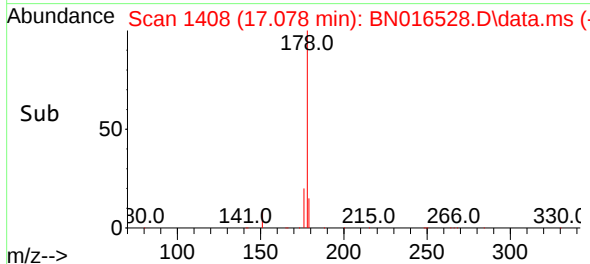
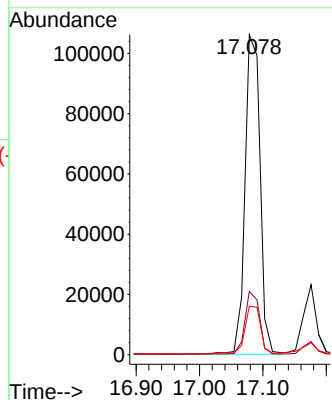
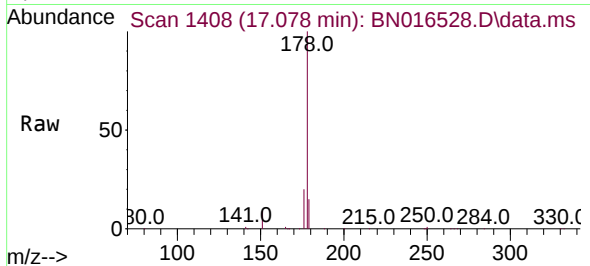




#25
Phenanthrene
Concen: 0.959 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

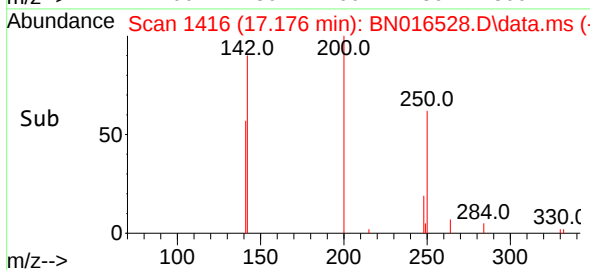
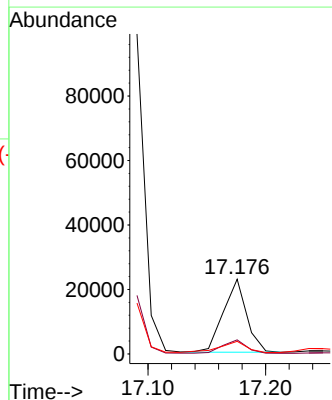
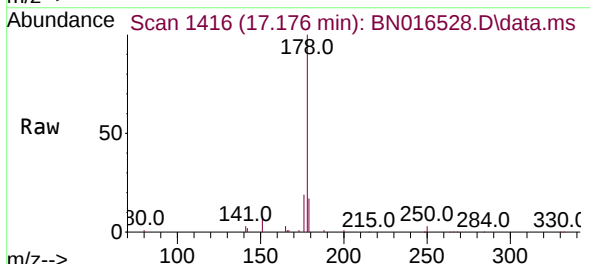
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

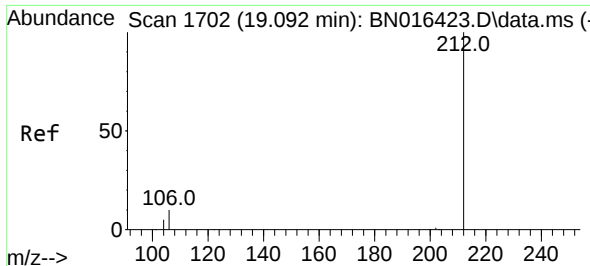
Tgt Ion:178 Resp: 174859
Ion Ratio Lower Upper
178 100
176 19.3 14.4 21.6
179 16.0 12.2 18.4



#26
Anthracene
Concen: 0.205 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:178 Resp: 31208
Ion Ratio Lower Upper
178 100
176 18.7 13.9 20.9
179 17.2 12.2 18.4

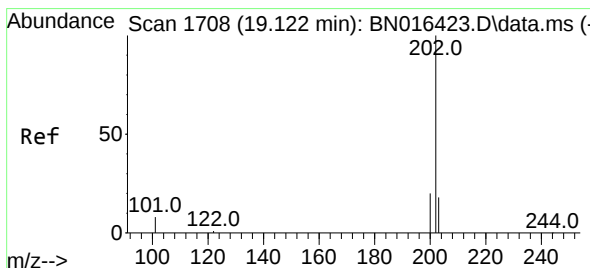
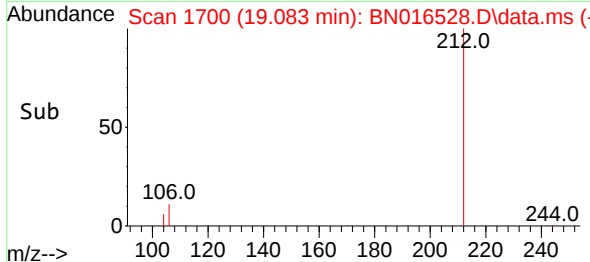
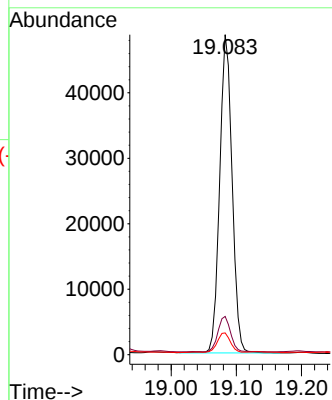
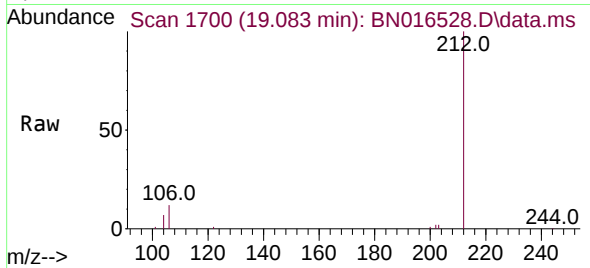




#27
Fluoranthene-d10
Concen: 0.383 ng
RT: 19.083 min Scan# 1700
Delta R.T. -0.010 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

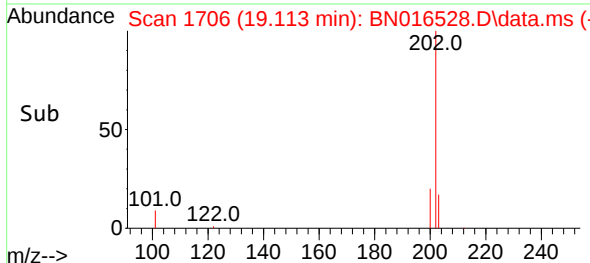
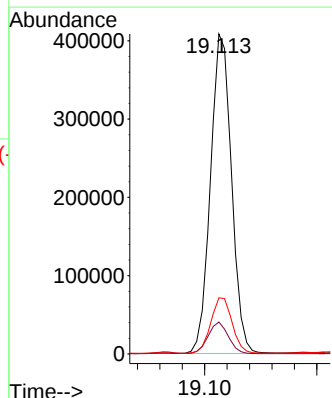
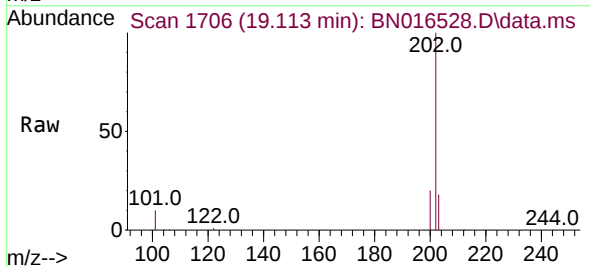
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

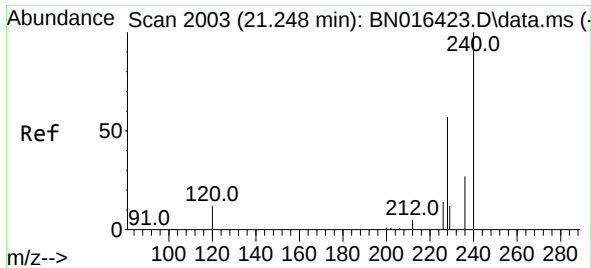
Tgt Ion:212 Resp: 64429
Ion Ratio Lower Upper
212 100
106 11.4 9.8 14.6
104 6.5 5.4 8.2



#28
Fluoranthene
Concen: 2.657 ng
RT: 19.113 min Scan# 1706
Delta R.T. -0.010 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:202 Resp: 531198
Ion Ratio Lower Upper
202 100
101 9.5 8.5 12.7
203 17.6 13.8 20.8

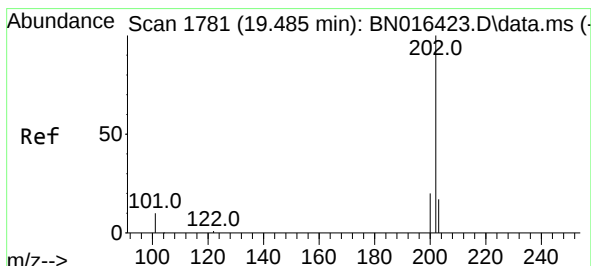
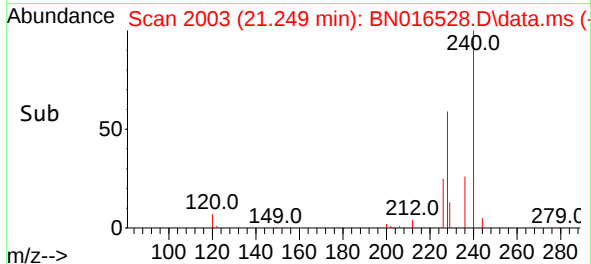
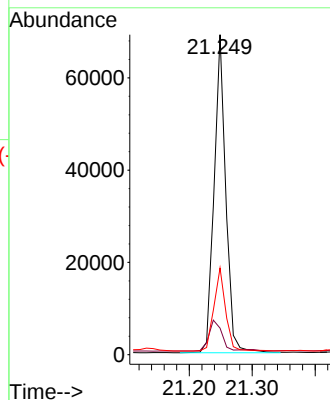
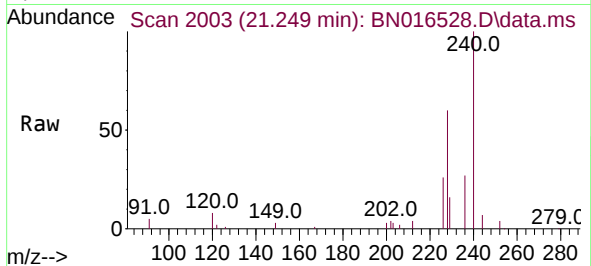




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

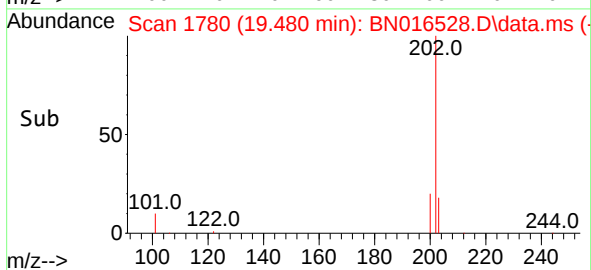
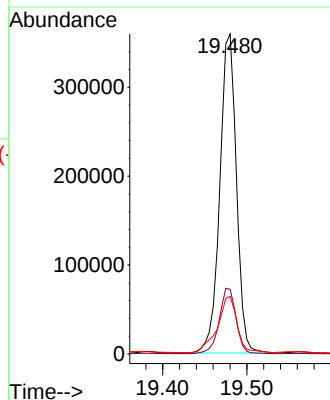
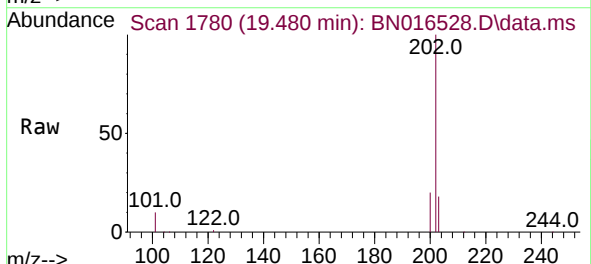
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

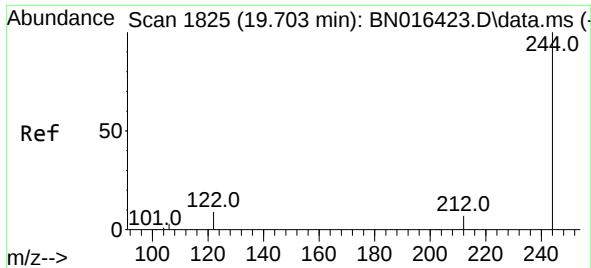
Tgt Ion:240 Resp: 88608
Ion Ratio Lower Upper
240 100
120 8.3 5.3 7.9#
236 27.1 19.8 29.8



#30
Pyrene
Concen: 1.771 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:202 Resp: 491256
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 20.6 13.9 20.9

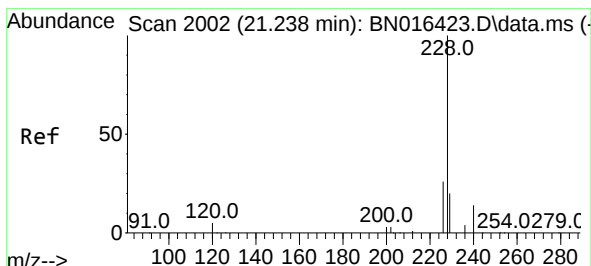
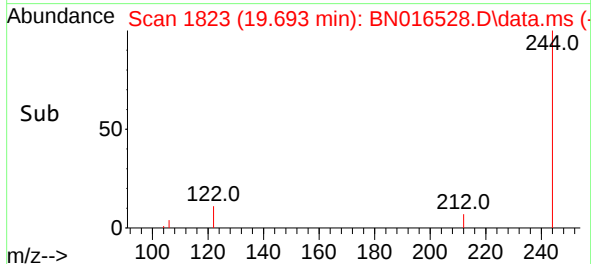
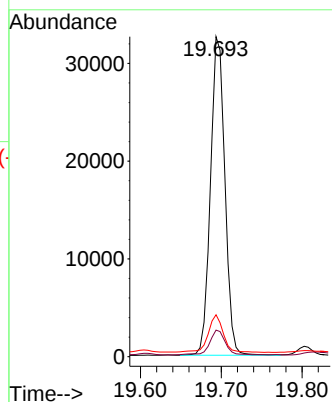
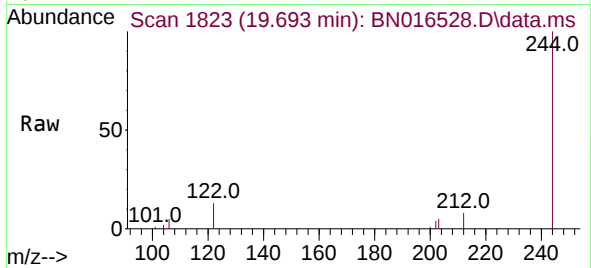




#31
 Terphenyl-d14
 Concen: 0.197 ng
 RT: 19.693 min Scan# 1823
 Delta R.T. -0.010 min
 Lab File: BN016528.D
 Acq: 27 Sep 2021 02:39

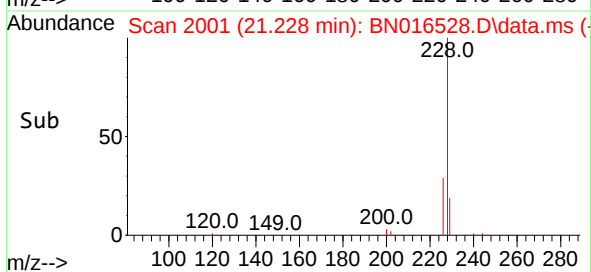
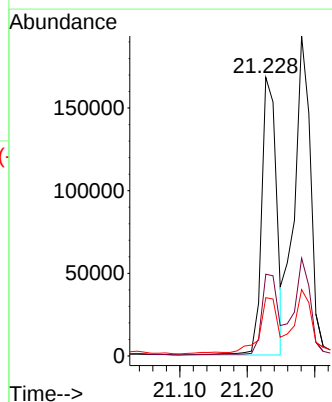
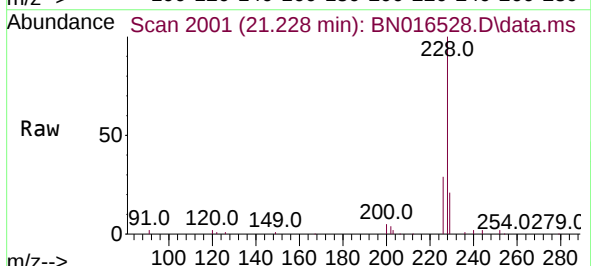
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-1-1.5-092421

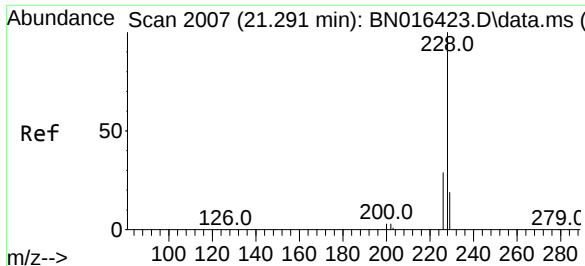
Tgt Ion:244 Resp: 40554
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.5 8.3#
 122 13.1 9.0 13.4



#32
 Benzo(a)anthracene
 Concen: 0.995 ng
 RT: 21.228 min Scan# 2001
 Delta R.T. -0.010 min
 Lab File: BN016528.D
 Acq: 27 Sep 2021 02:39

Tgt Ion:228 Resp: 255628
 Ion Ratio Lower Upper
 228 100
 226 29.3 20.8 31.2
 229 20.9 15.8 23.6

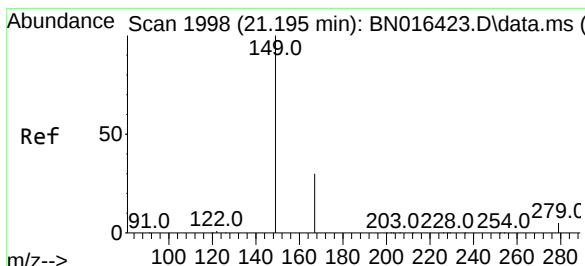
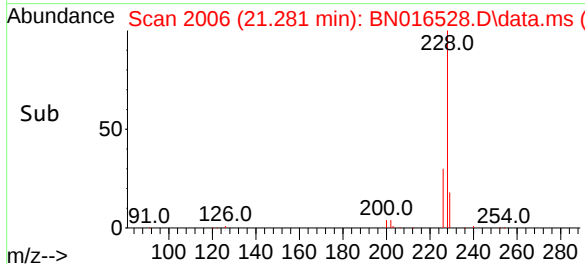
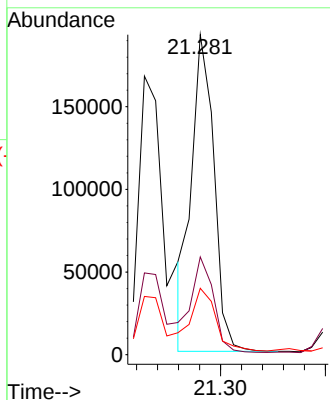
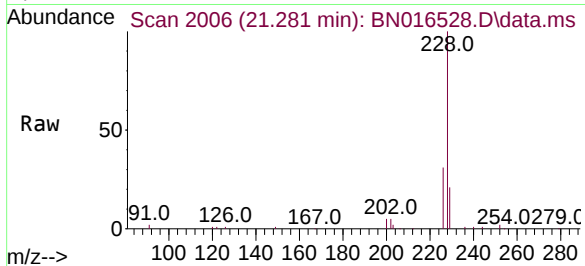




#33
Chrysene
Concen: 1.028 ng
RT: 21.281 min Scan# 2006
Delta R.T. -0.010 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

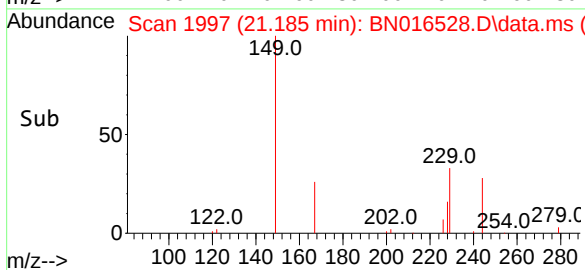
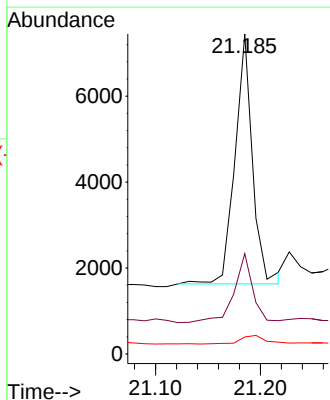
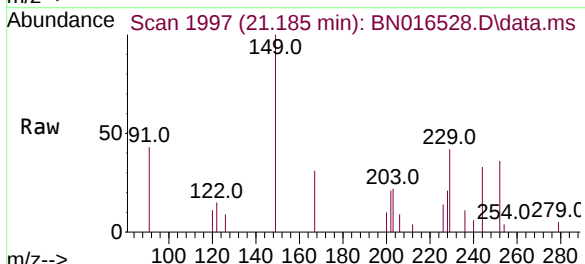
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

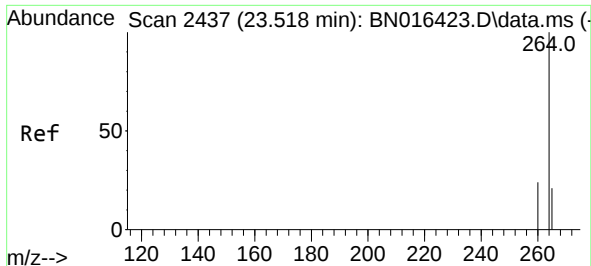
Tgt Ion:	228	Resp:	283784
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.0	34.4
229	20.7	15.6	23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

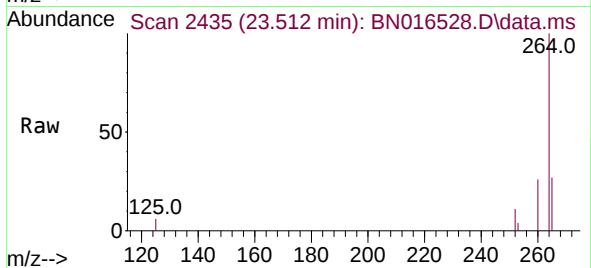
Tgt Ion:	149	Resp:	6736
Ion Ratio	Lower	Upper	
149	100		
167	29.5	23.4	35.0
279	5.0	3.9	5.9



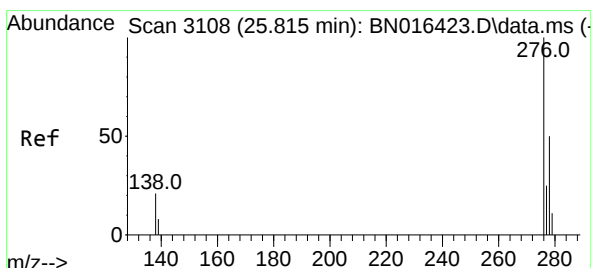
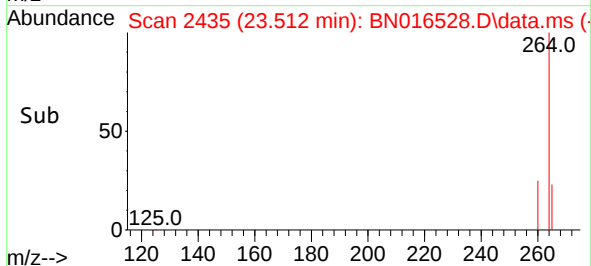
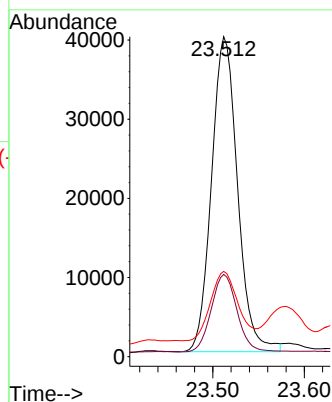


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.512 min Scan# 2435
 Delta R.T. -0.007 min
 Lab File: BN016528.D
 Acq: 27 Sep 2021 02:39

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-1-1.5-092421

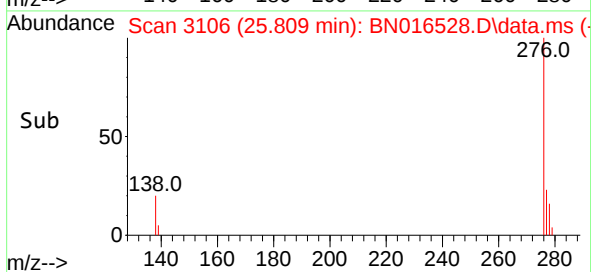
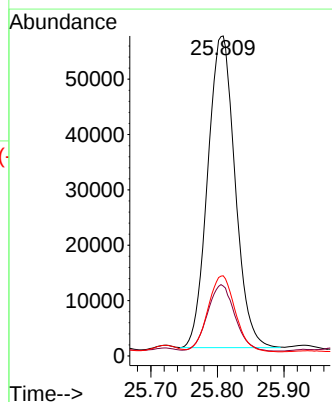
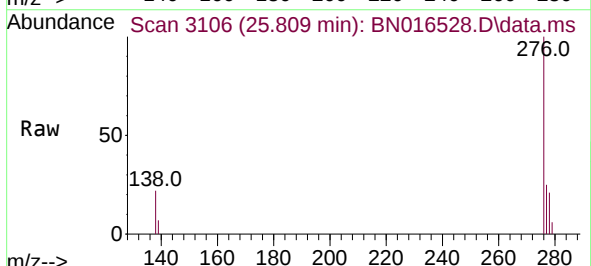


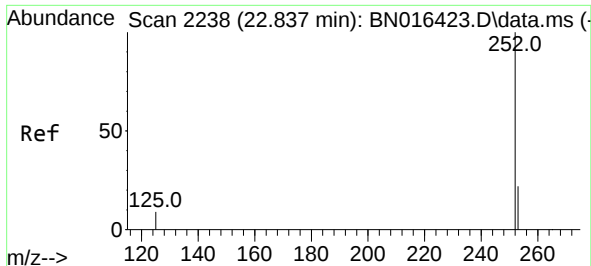
Tgt Ion:	264	Resp:	78688
Ion Ratio	Lower	Upper	
264	100		
260	25.7	18.9	28.3
265	26.7	23.7	35.5



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.630 ng
 RT: 25.809 min Scan# 3106
 Delta R.T. -0.007 min
 Lab File: BN016528.D
 Acq: 27 Sep 2021 02:39

Tgt Ion:	276	Resp:	160557
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.3	28.9
277	24.5	20.2	30.2

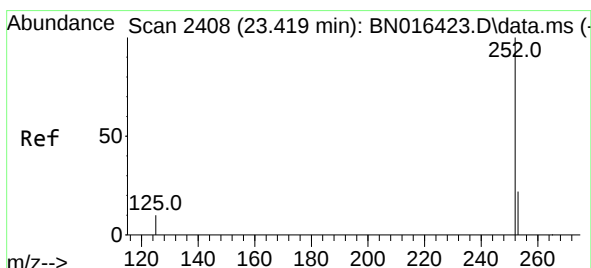
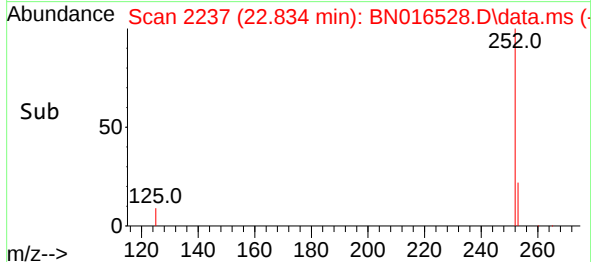
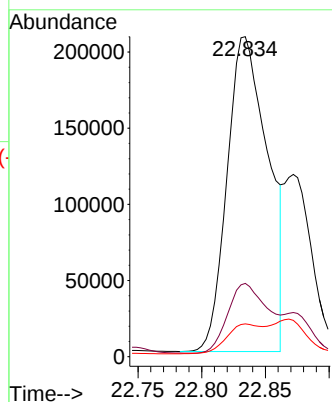
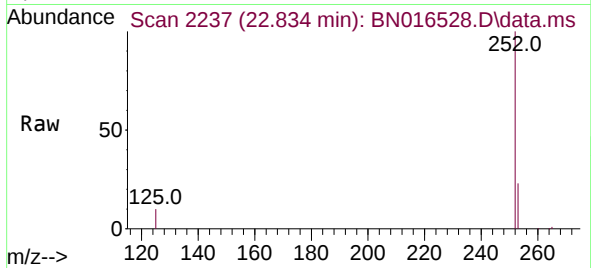




#37
Benzo(b)fluoranthene
Concen: 1.755 ng
RT: 22.834 min Scan# 2237
Delta R.T. -0.003 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

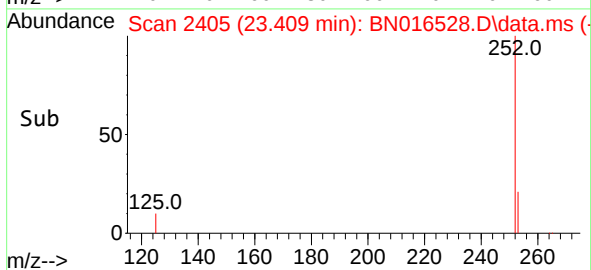
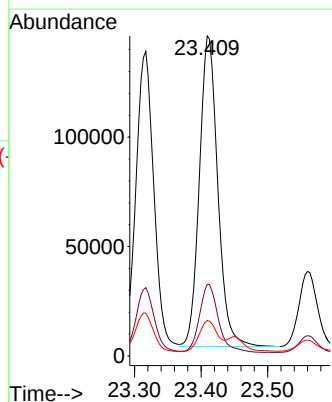
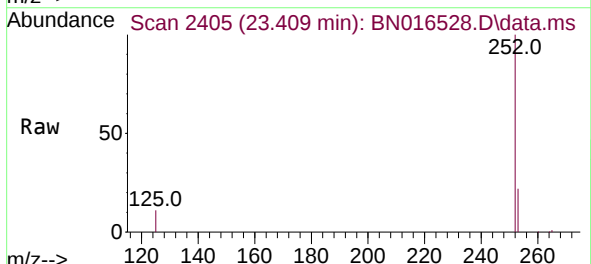
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

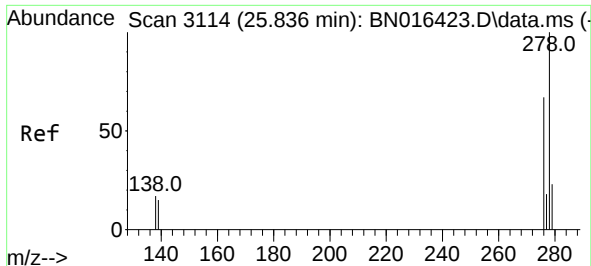
Tgt Ion:252 Resp: 461316
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 10.2 8.4 12.6



#39
Benzo(a)pyrene
Concen: 1.272 ng
RT: 23.409 min Scan# 2405
Delta R.T. -0.010 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:252 Resp: 272563
Ion Ratio Lower Upper
252 100
253 22.4 18.7 28.1
125 11.1 9.9 14.9

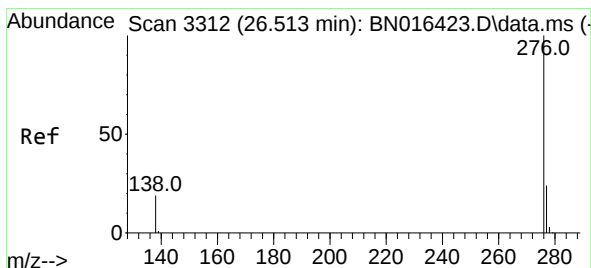
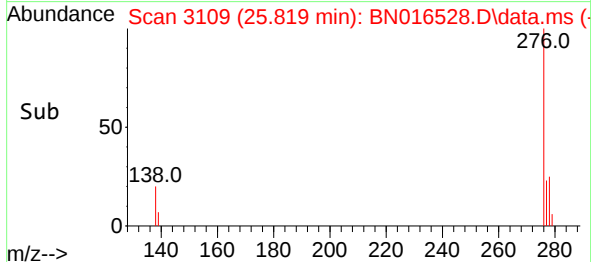
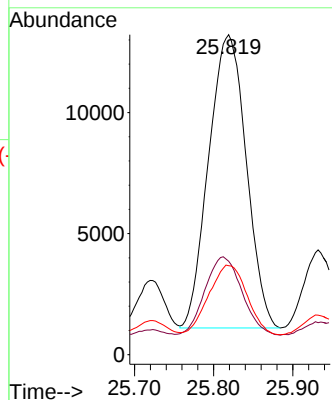
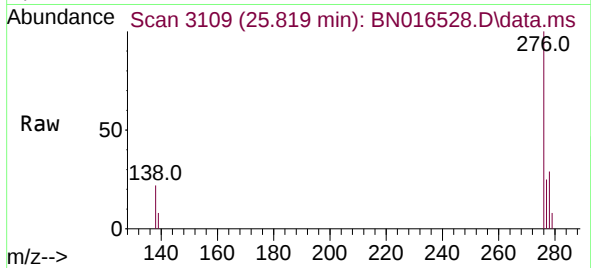




#40
Dibenzo(a,h)anthracene
Concen: 0.184 ng
RT: 25.819 min Scan# 3109
Delta R.T. -0.017 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

Tgt Ion:278 Resp: 39944
Ion Ratio Lower Upper
278 100
139 29.2 14.2 21.2#
279 27.8 21.3 31.9



#41
Benzo(g,h,i)perylene
Concen: 0.602 ng
RT: 26.514 min Scan# 3312
Delta R.T. 0.000 min
Lab File: BN016528.D
Acq: 27 Sep 2021 02:39

Tgt Ion:276 Resp: 134313
Ion Ratio Lower Upper
276 100
277 24.5 20.5 30.7
138 21.4 18.2 27.4

