

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016540.D
 Acq On : 27 Sep 2021 09:51
 Operator : CG/JU
 Sample : M3892-19
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 11:02:20 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)

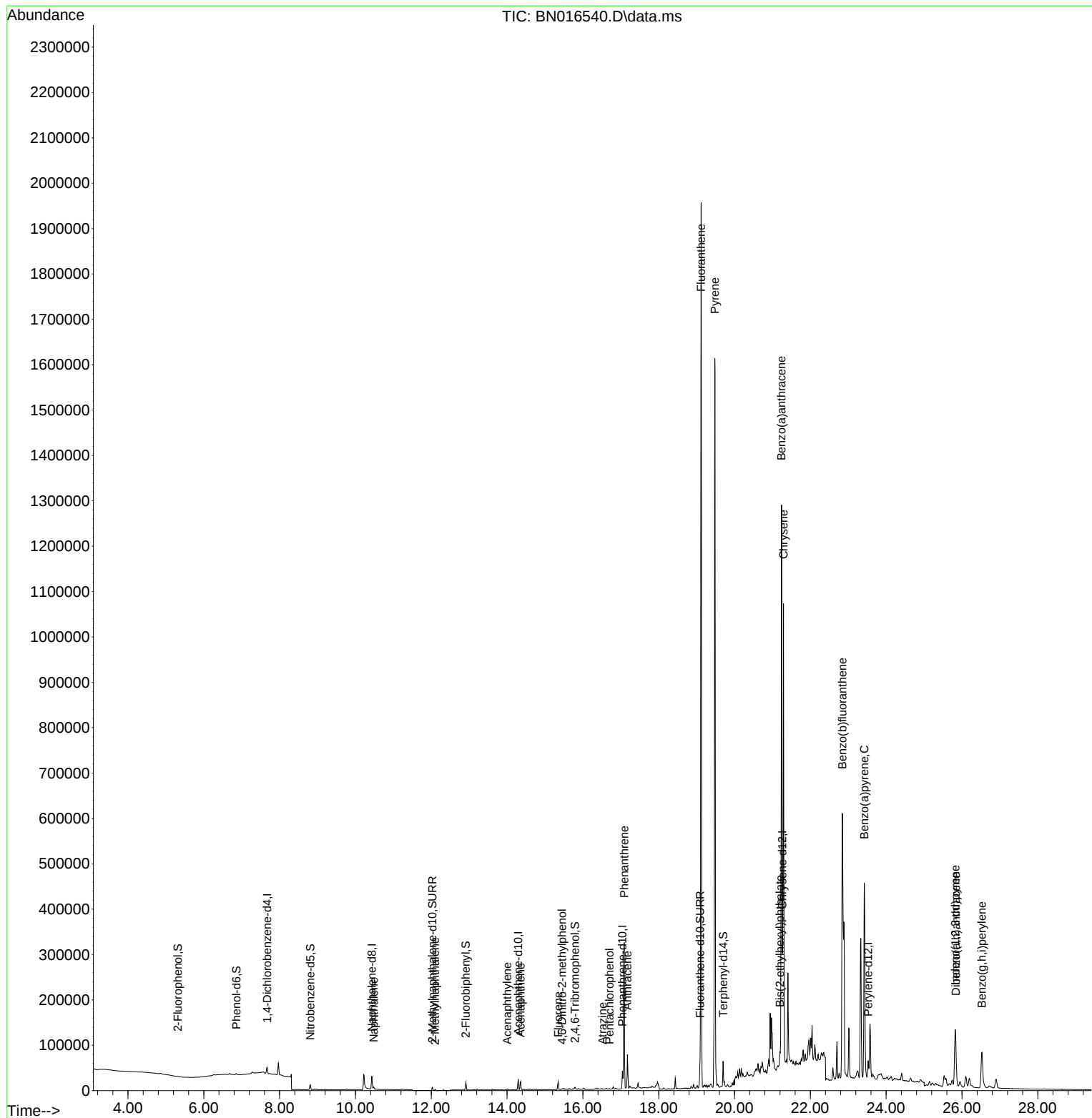
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	8560	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	35734	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	10296	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	48728	0.400	ng	0.00
29) Chrysene-d12	21.259	240	83063	0.400	ng	# 0.01
35) Perylene-d12	23.525	264	50026	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.309	112	647	0.034	ng	0.03
5) Phenol-d6	6.859	99	2085	0.092	ng	0.00
8) Nitrobenzene-d5	8.810	82	9015	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.029	152	9509	0.180	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1384	0.487	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	13827	0.320	ng	-0.01
27) Fluoranthene-d10	19.088	212	62291	0.466	ng	0.00
31) Terphenyl-d14	19.698	244	54491	0.282	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.483	128	6656	0.070	ng	96
12) 2-Methylnaphthalene	12.100	142	1688	0.028	ng	# 92
16) Acenaphthylene	14.002	152	1897	0.045	ng	# 92
17) Acenaphthene	14.357	154	6801	0.229	ng	# 57
18) Fluorene	15.347	166	9889	0.277	ng	94
20) 4,6-Dinitro-2-methylph...	15.449	198	37	0.154	ng	# 1
23) Atrazine	16.518	200	28	0.136	ng	# 1
24) Pentachlorophenol	16.701	266	52	0.248	ng	91
25) Phenanthrene	17.090	178	351889	2.426	ng	98
26) Anthracene	17.176	178	67411	0.558	ng	97
28) Fluoranthene	19.117	202	1719288	10.818	ng	98
30) Pyrene	19.480	202	1530999	5.887	ng	# 94
32) Benzo(a)anthracene	21.238	228	1035727	4.300	ng	97
33) Chrysene	21.291	228	919076	3.552	ng	97
34) Bis(2-ethylhexyl)phtha...	21.195	149	24780	0.377	ng	99
36) Indeno(1,2,3-cd)pyrene	25.822	276	202466	1.249	ng	97
37) Benzo(b)fluoranthene	22.844	252	1026306	6.140	ng	98
39) Benzo(a)pyrene	23.426	252	630663	4.628	ng	97
40) Dibenzo(a,h)anthracene	25.836	278	53613	0.388	ng	# 82
41) Benzo(g,h,i)perylene	26.524	276	170791	1.205	ng	98

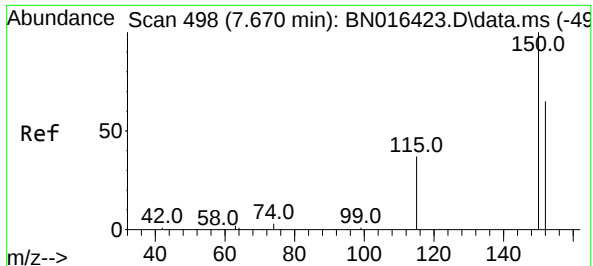
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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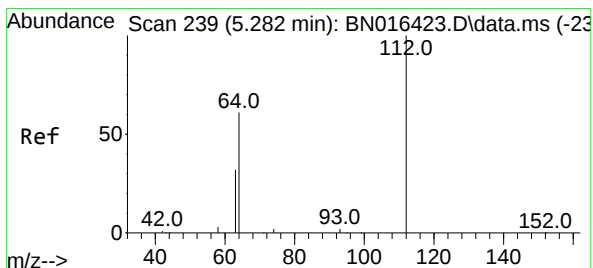
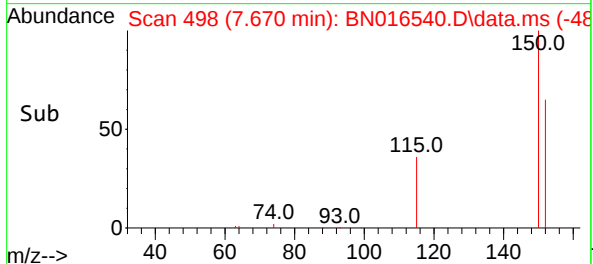
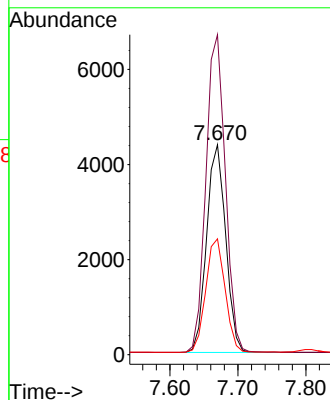
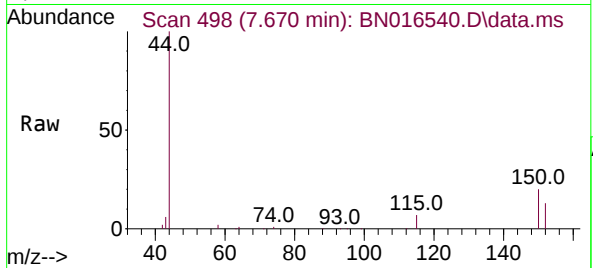




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. -0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

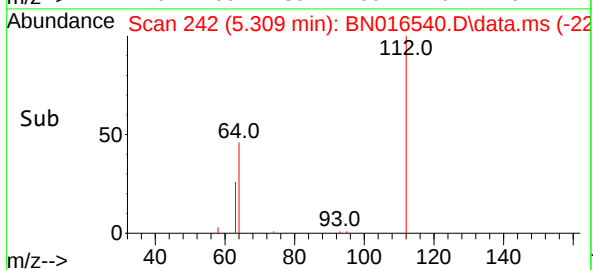
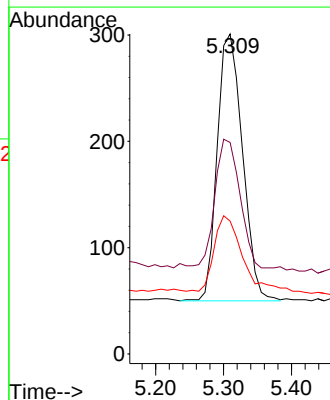
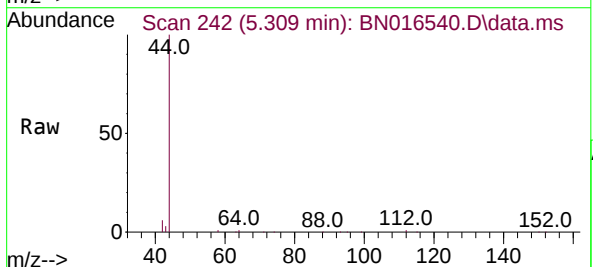
Instrument :
BNA_N
ClientSampleId :

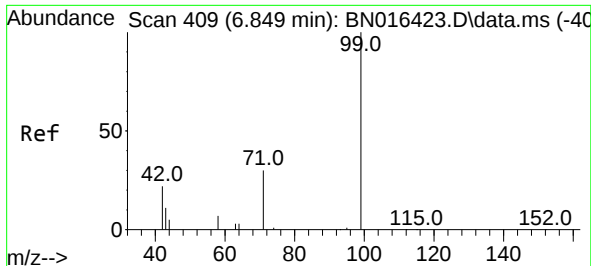
Tgt Ion:152 Resp: 8560
Ion Ratio Lower Upper
152 100
150 152.4 125.6 188.4
115 55.2 50.2 75.2



#4
2-Fluorophenol
Concen: 0.034 ng
RT: 5.309 min Scan# 242
Delta R.T. 0.028 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:112 Resp: 647
Ion Ratio Lower Upper
112 100
64 49.9 47.3 70.9
63 30.6 23.4 35.0

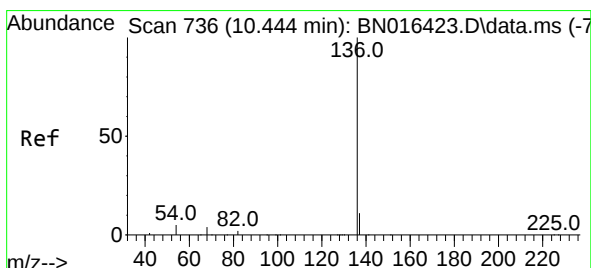
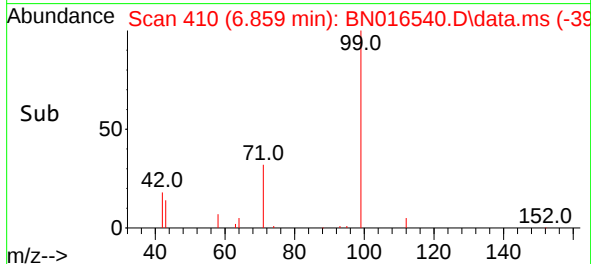
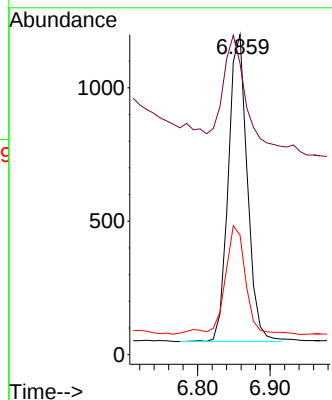
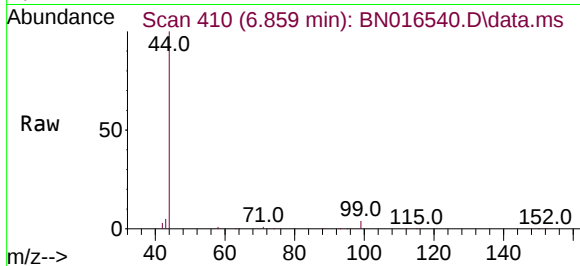




#5
Phenol-d6
Concen: 0.092 ng
RT: 6.859 min Scan# 410
Delta R.T. 0.009 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

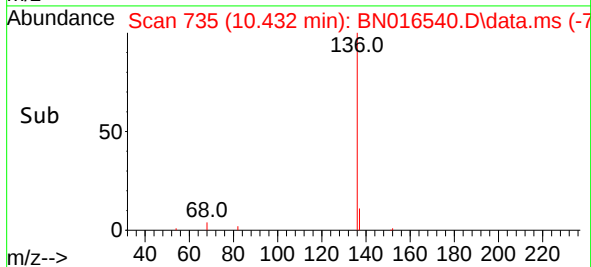
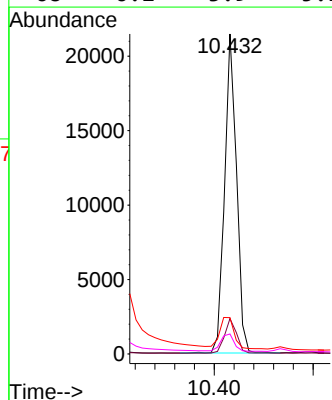
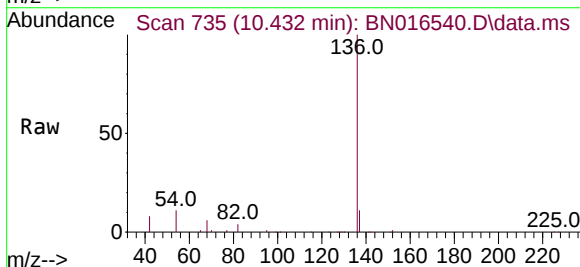
Instrument :
BNA_N
ClientSampled :

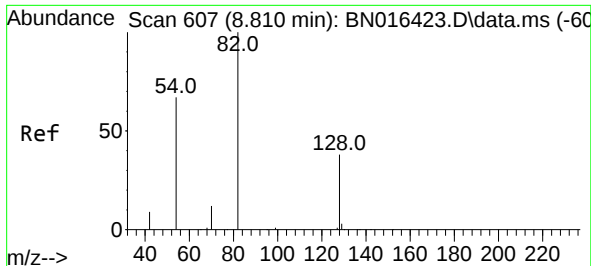
Tgt Ion: 99 Resp: 2085
Ion Ratio Lower Upper
99 100
42 40.7 14.0 21.0#
71 38.1 23.8 35.6#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion: 136 Resp: 35734
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.4 5.3 7.9#
68 6.2 3.9 5.9#

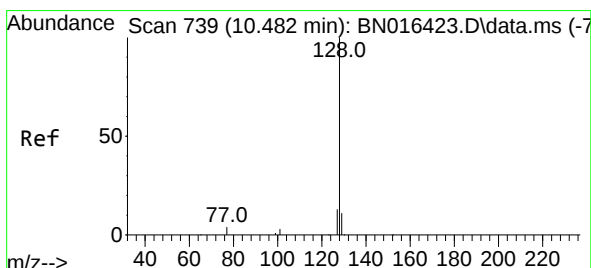
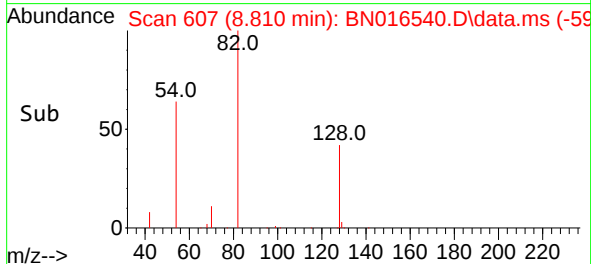
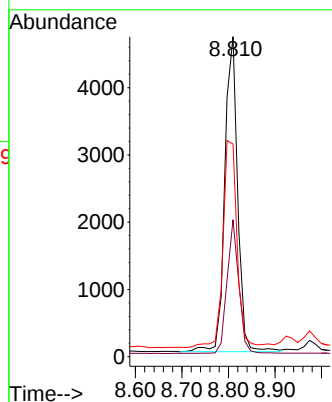
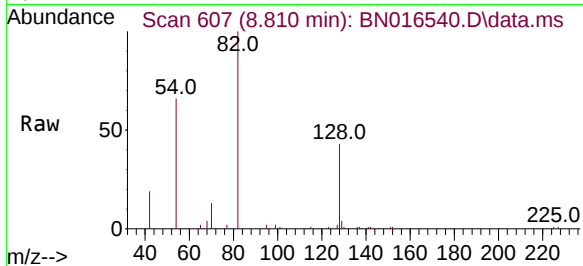




#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

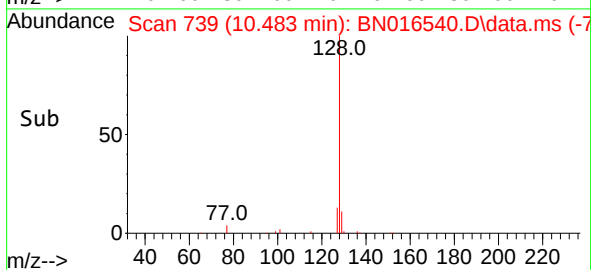
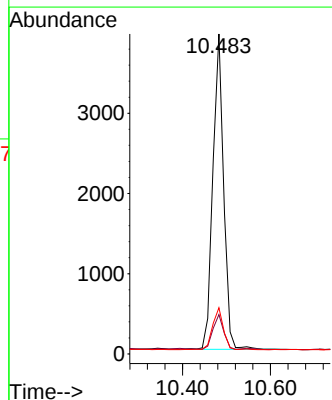
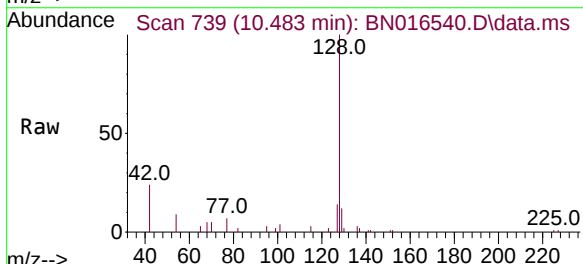
Instrument :
BNA_N
ClientSampleId :

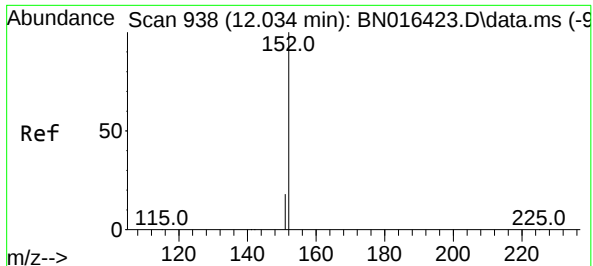
Tgt Ion:	82	Resp:	9015
Ion Ratio	Lower	Upper	
82	100		
128	42.8	31.7	47.5
54	66.5	46.4	69.6



#9
Naphthalene
Concen: 0.070 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:	128	Resp:	6656
Ion Ratio	Lower	Upper	
128	100		
129	12.3	8.9	13.3
127	14.4	10.1	15.1

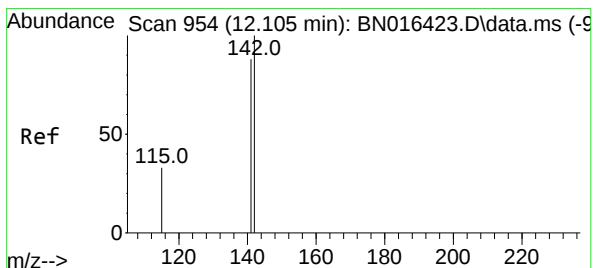
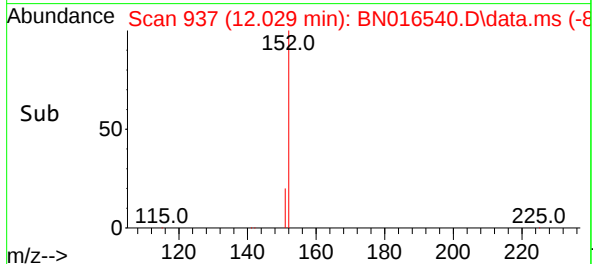
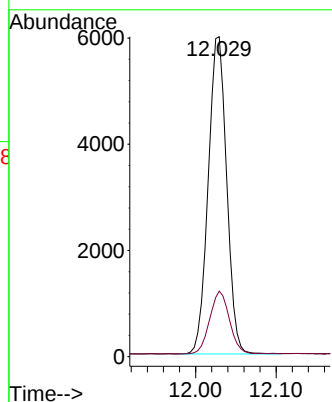
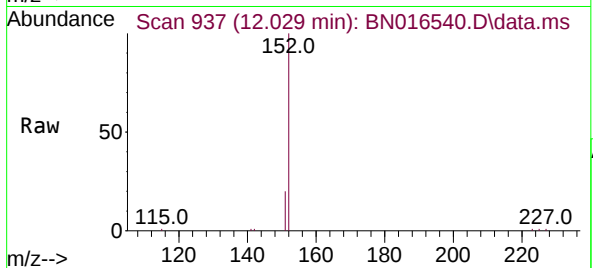




#11
2-Methylnaphthalene-d10
Concen: 0.180 ng
RT: 12.029 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

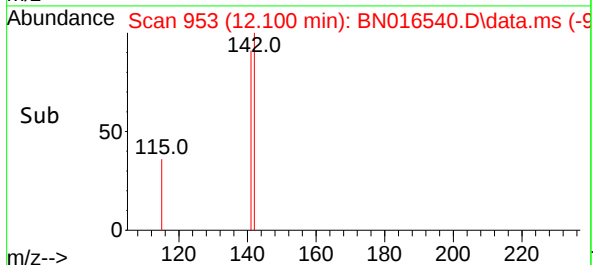
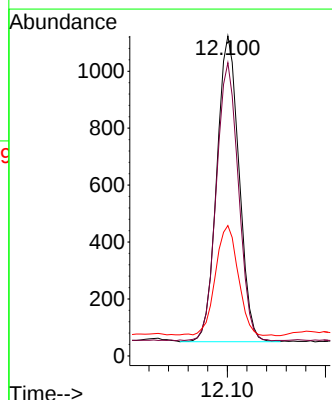
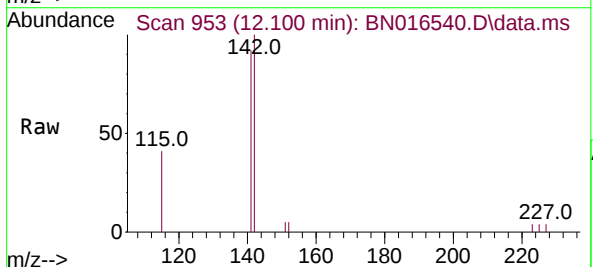
Instrument :
BNA_N
ClientSampleId :

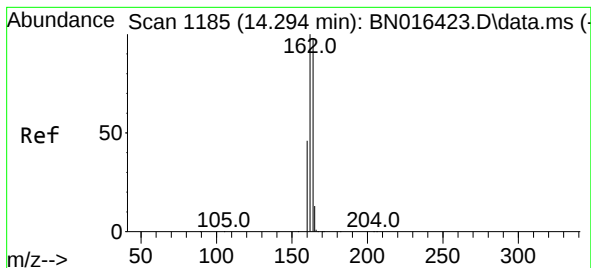
Tgt Ion:152 Resp: 9509
Ion Ratio Lower Upper
152 100
151 21.1 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.100 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:142 Resp: 1688
Ion Ratio Lower Upper
142 100
141 91.6 69.8 104.8
115 40.7 24.4 36.6#

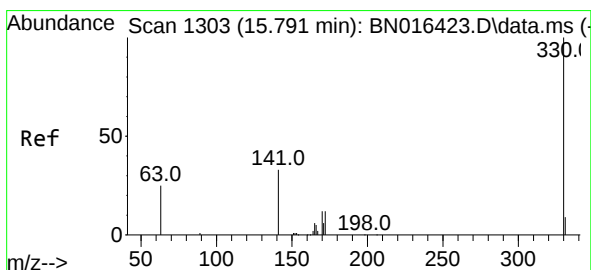
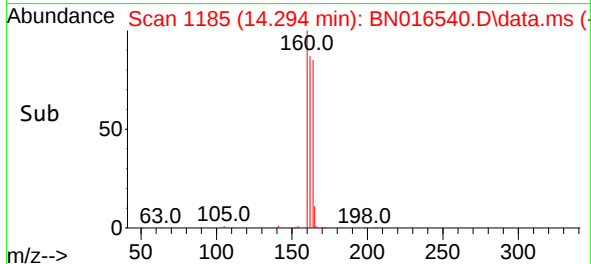
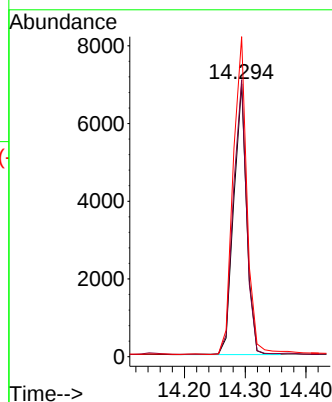
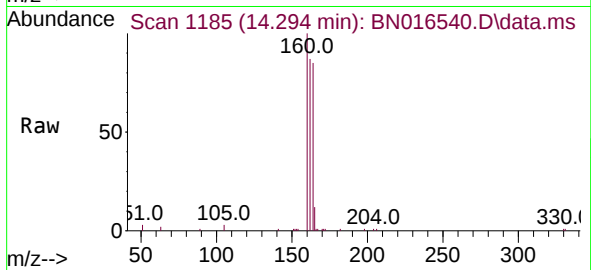




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

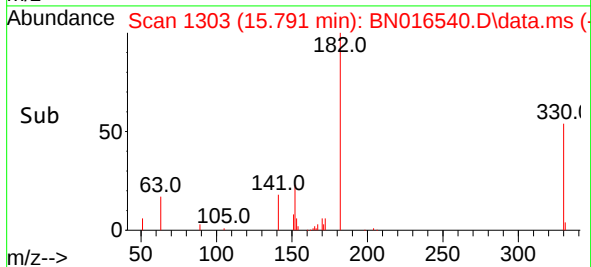
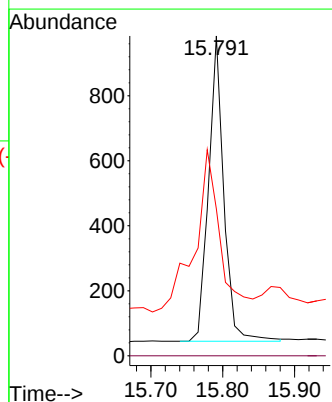
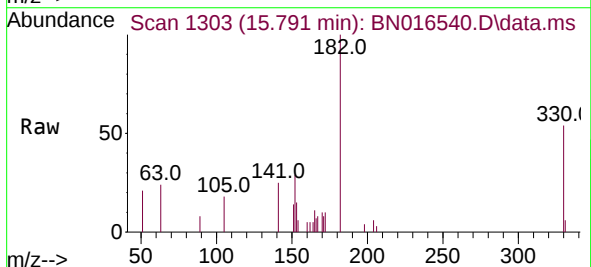
Instrument :
BNA_N
ClientSampled :

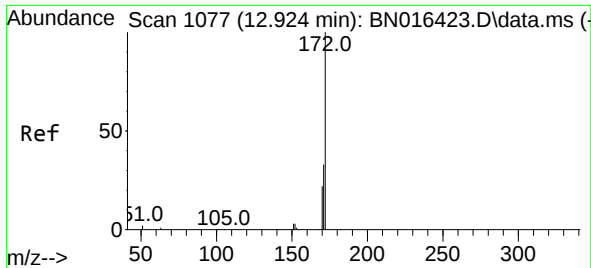
Tgt Ion:164 Resp: 10296
Ion Ratio Lower Upper
164 100
162 101.5 79.0 118.4
160 117.3 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.487 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:330 Resp: 1384
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 81.2 25.0 37.4#

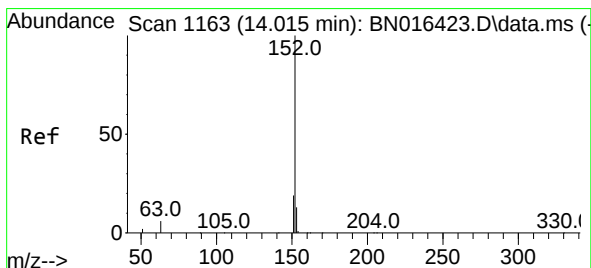
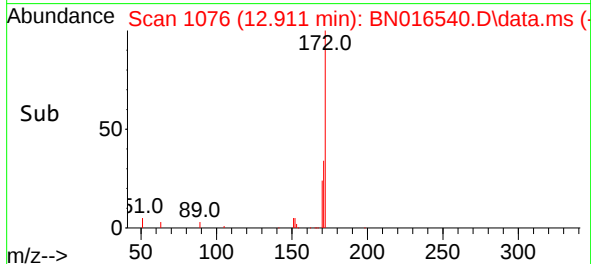
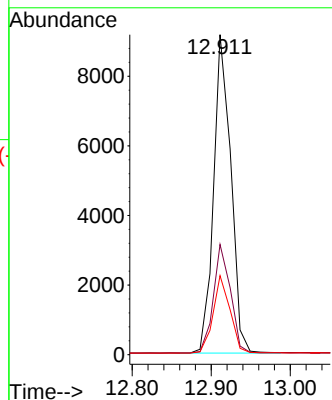
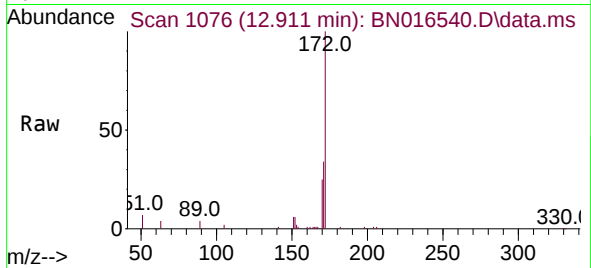




#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

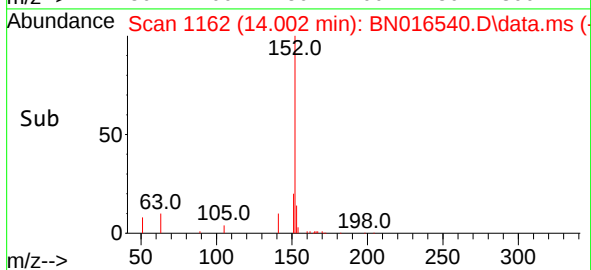
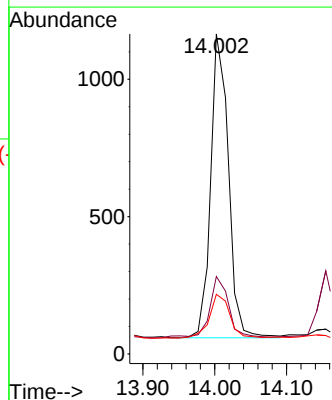
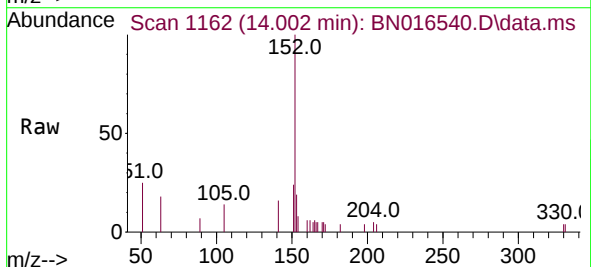
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BNA_N
ClientSampleId :

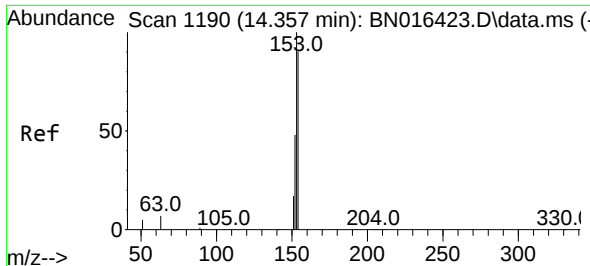
Tgt Ion:	172	Resp:	13827
Ion Ratio	Lower	Upper	
172	100		
171	34.4	27.8	41.6
170	24.7	18.2	27.2



#16
Acenaphthylene
Concen: 0.045 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.013 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:	152	Resp:	1897
Ion Ratio	Lower	Upper	
152	100		
151	22.2	15.2	22.8
153	17.1	10.5	15.7#

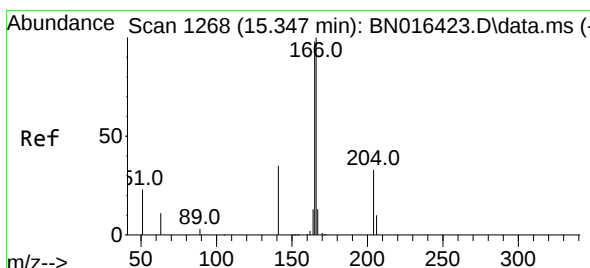
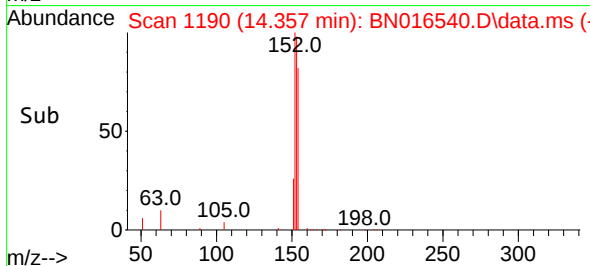
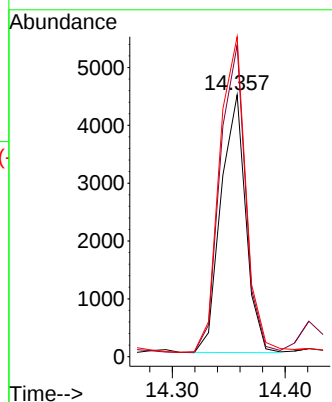
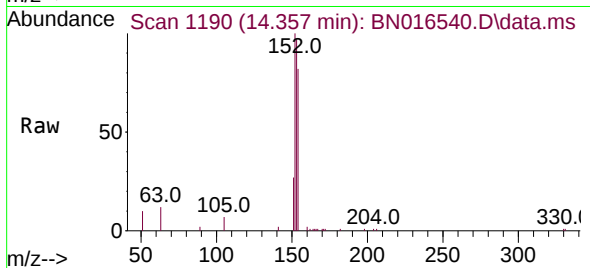




#17
Acenaphthene
Concen: 0.229 ng
RT: 14.357 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

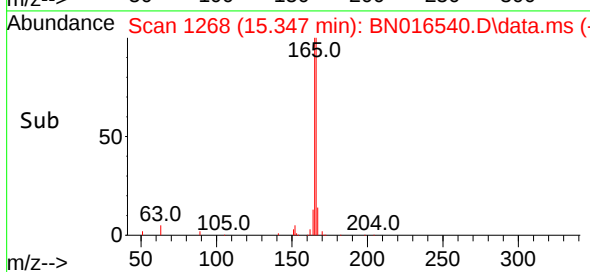
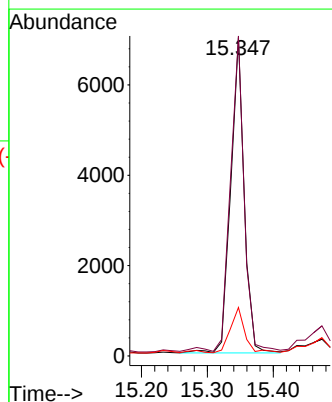
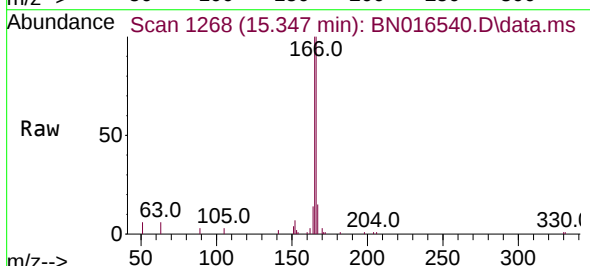
Instrument :
BNA_N
ClientSampled :

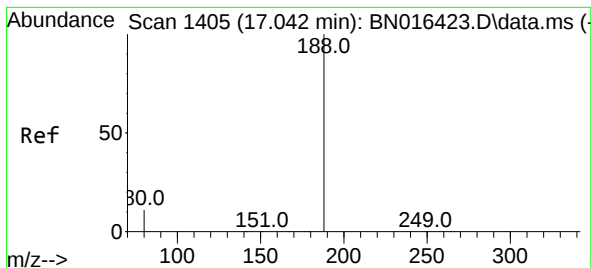
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Ion Ratio Lower Upper
154 100
153 122.6 89.3 133.9
152 131.6 42.2 63.4#



#18
Fluorene
Concen: 0.277 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:166 Resp: 9889
Ion Ratio Lower Upper
166 100
165 101.8 76.7 115.1
167 15.4 10.9 16.3

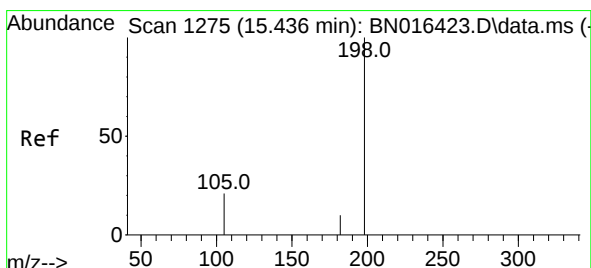
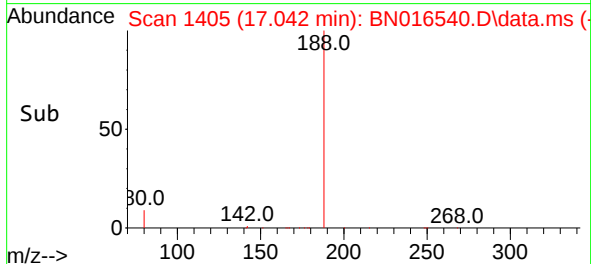
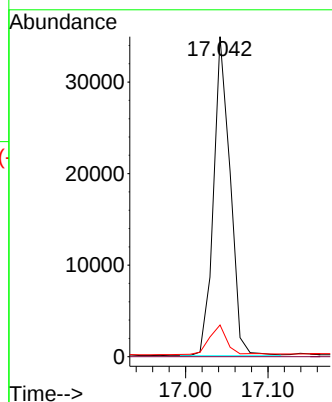
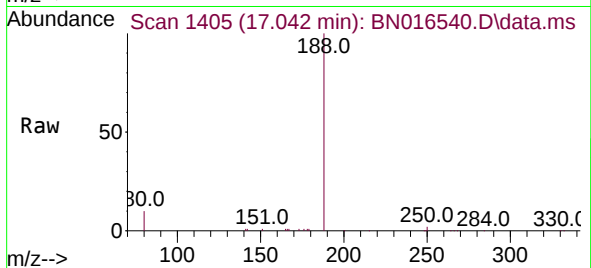




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

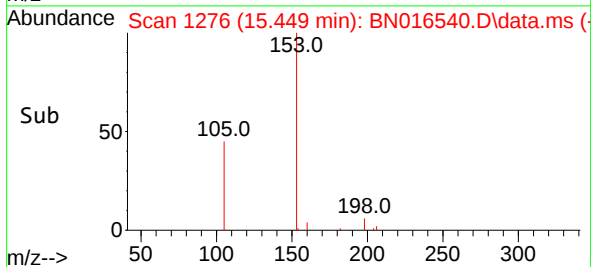
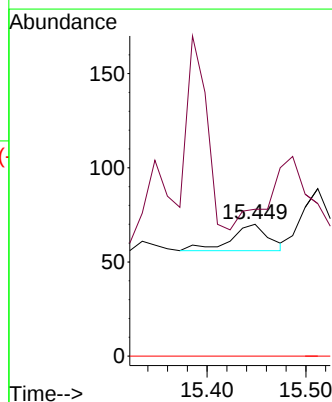
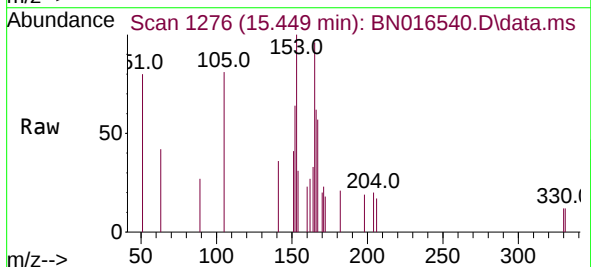
Instrument :
BNA_N
ClientSampleId :

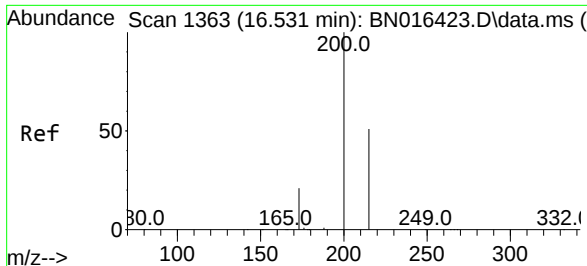
Tgt Ion:188 Resp: 48728
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 7.0 10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.154 ng
RT: 15.449 min Scan# 1276
Delta R.T. 0.013 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

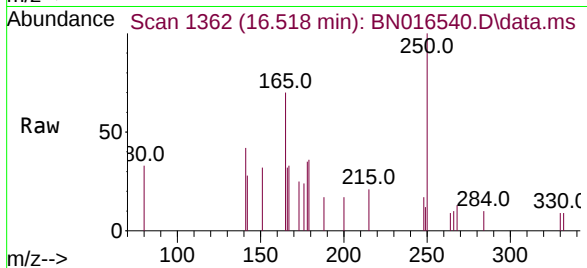
Tgt Ion:198 Resp: 37
Ion Ratio Lower Upper
198 100
182 111.4 26.6 39.8#
77 0.0 0.0 0.0



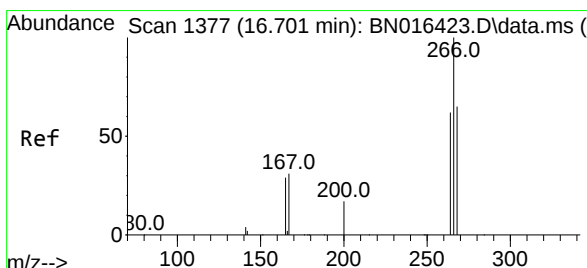
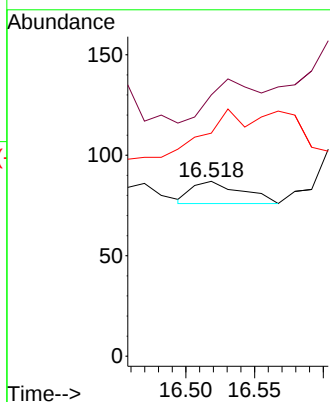
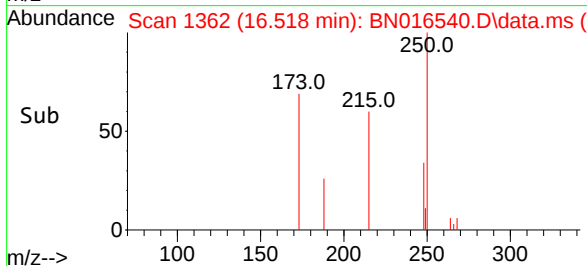


#23
Atrazine
Concen: 0.136 ng
RT: 16.518 min Scan# 1362
Delta R.T. -0.013 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

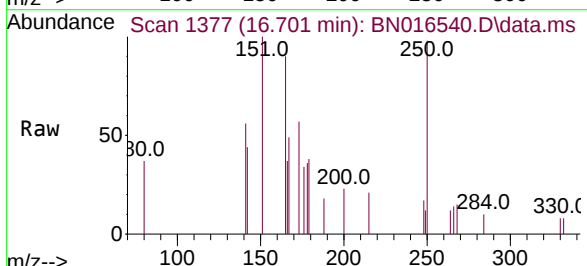
Instrument :
BNA_N
ClientSampleId :



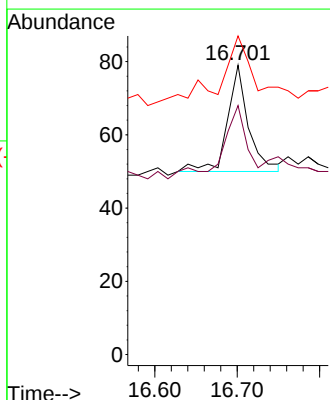
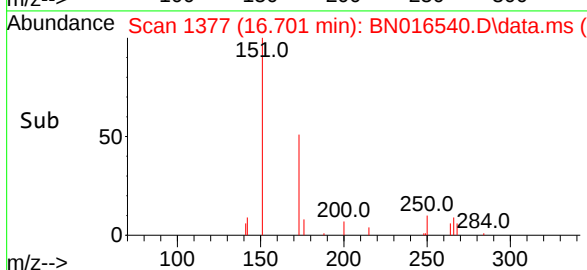
Tgt Ion:200 Resp: 28
Ion Ratio Lower Upper
200 100
173 149.4 18.7 28.1#
215 127.6 41.6 62.4#

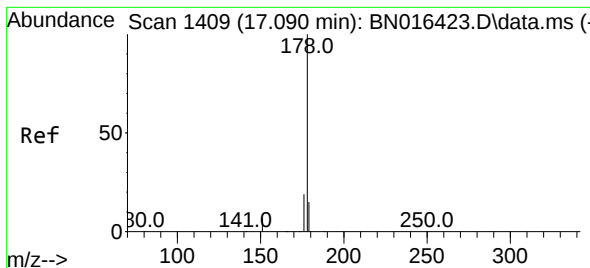


#24
Pentachlorophenol
Concen: 0.248 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51



Tgt Ion:266 Resp: 52
Ion Ratio Lower Upper
266 100
264 57.7 50.6 75.8
268 75.0 52.6 79.0

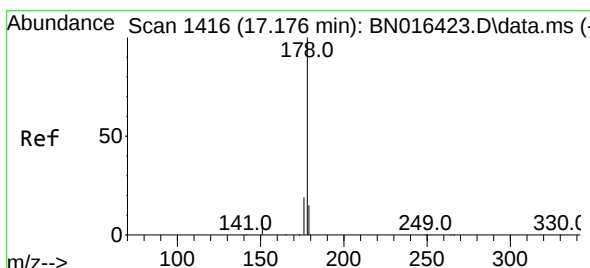
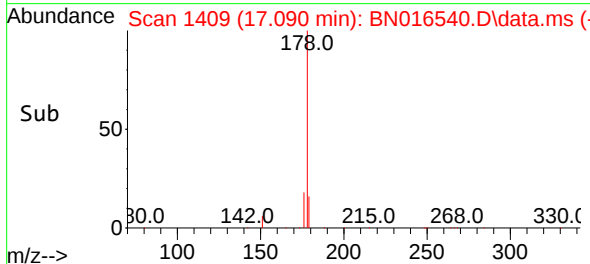
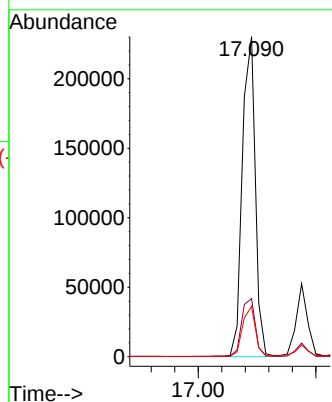
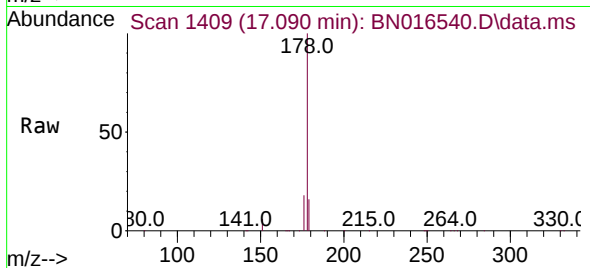




#25
Phenanthrene
Concen: 2.426 ng
RT: 17.090 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

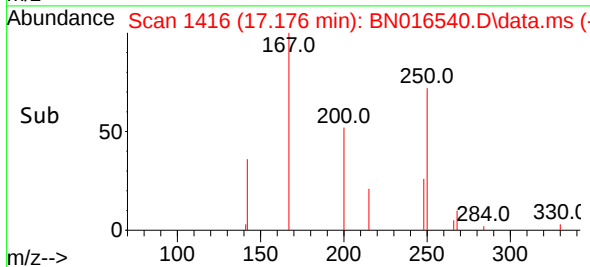
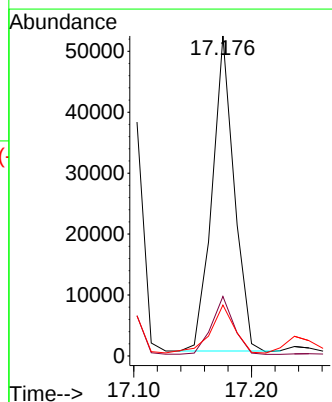
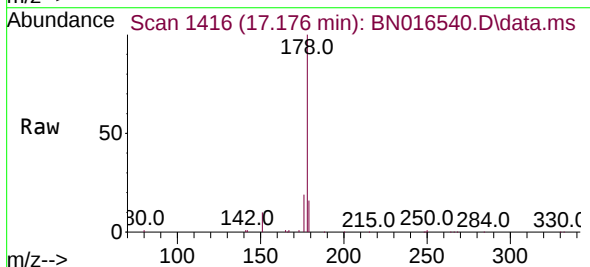
Instrument :
BNA_N
ClientSampled :

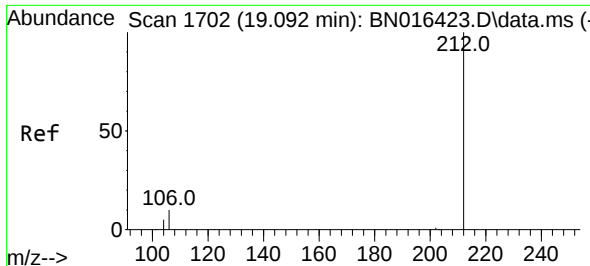
Tgt Ion:178 Resp: 351889
Ion Ratio Lower Upper
178 100
176 19.0 14.4 21.6
179 15.6 12.2 18.4



#26
Anthracene
Concen: 0.558 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:178 Resp: 67411
Ion Ratio Lower Upper
178 100
176 18.4 13.9 20.9
179 16.7 12.2 18.4

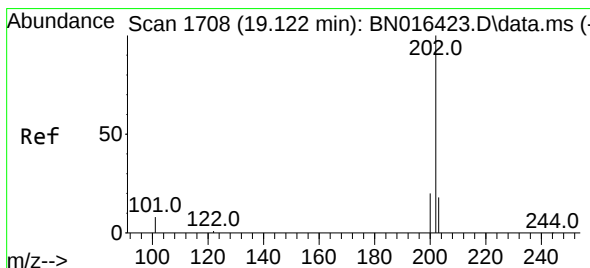
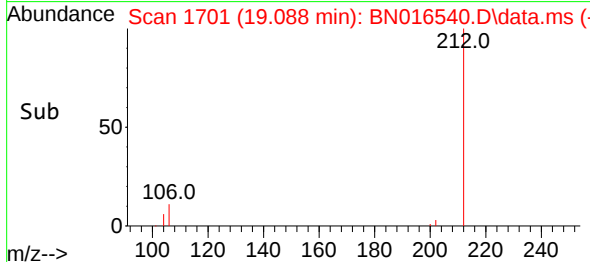
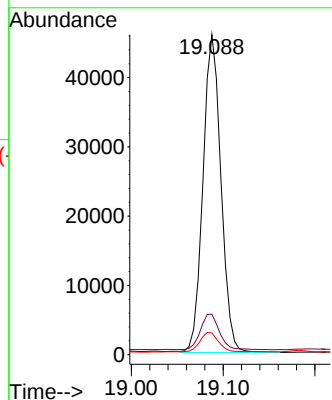
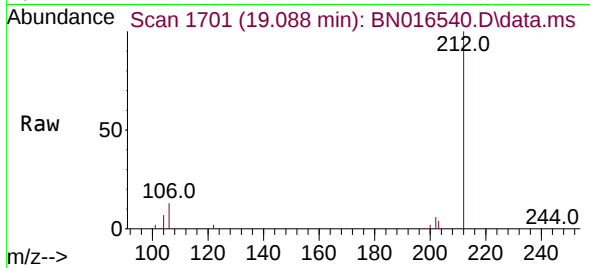




#27
Fluoranthene-d10
Concen: 0.466 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

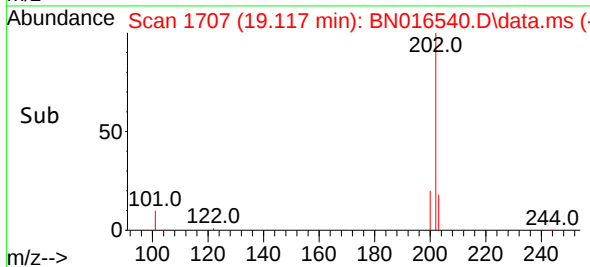
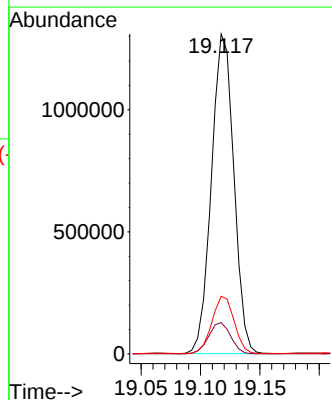
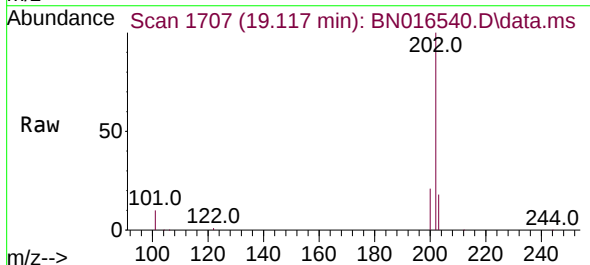
Instrument :
BNA_N
ClientSampleId :

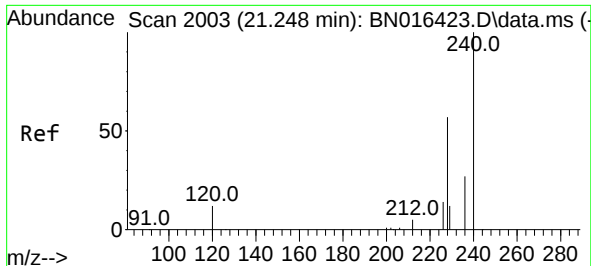
Tgt Ion:212 Resp: 62291
Ion Ratio Lower Upper
212 100
106 11.7 9.8 14.6
104 6.7 5.4 8.2



#28
Fluoranthene
Concen: 10.818 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:202 Resp: 1719288
Ion Ratio Lower Upper
202 100
101 9.7 8.5 12.7
203 17.8 13.8 20.8

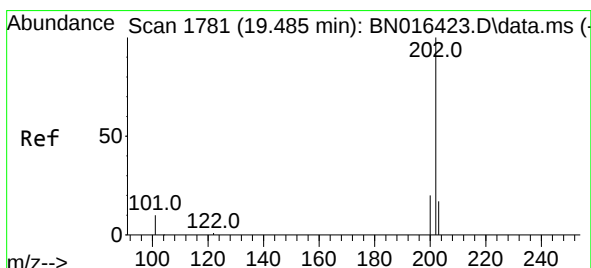
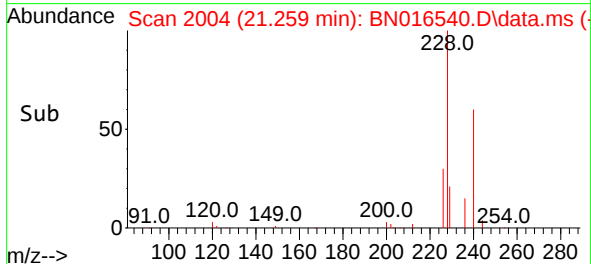
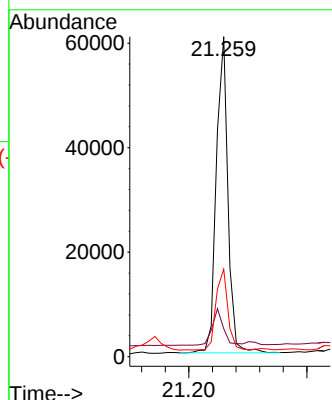
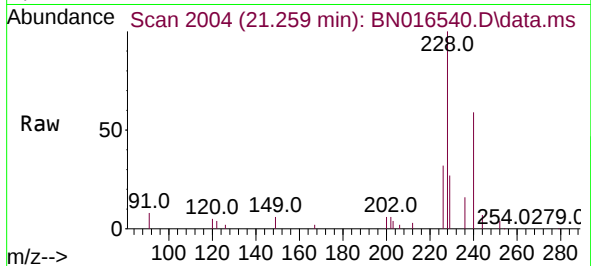




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

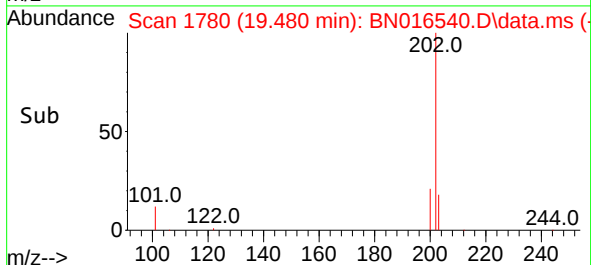
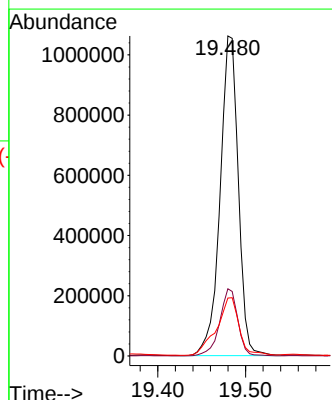
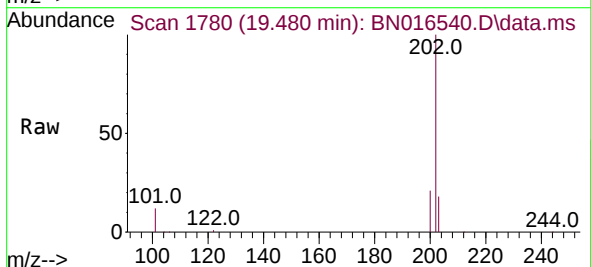
Instrument :
BNA_N
ClientSampleId :

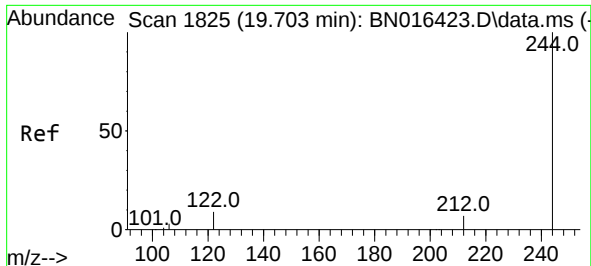
Tgt Ion:240 Resp: 83063
Ion Ratio Lower Upper
240 100
120 8.8 5.3 7.9#
236 27.4 19.8 29.8



#30
Pyrene
Concen: 5.887 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:202 Resp: 1530999
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.6
203 22.1 13.9 20.9#

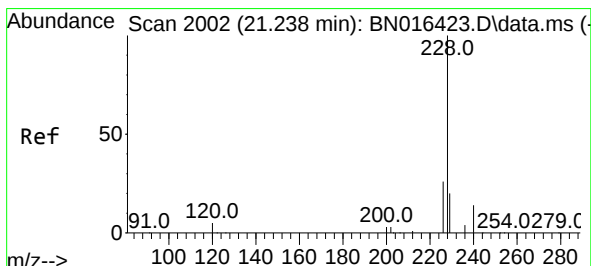
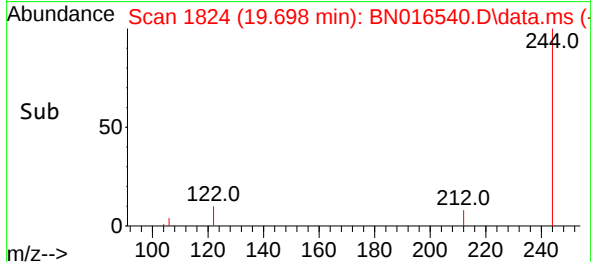
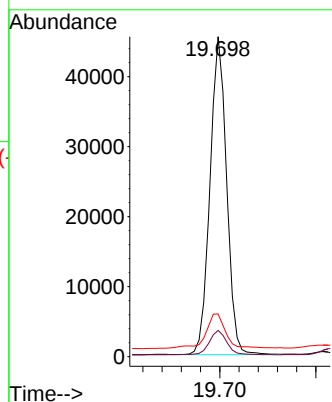
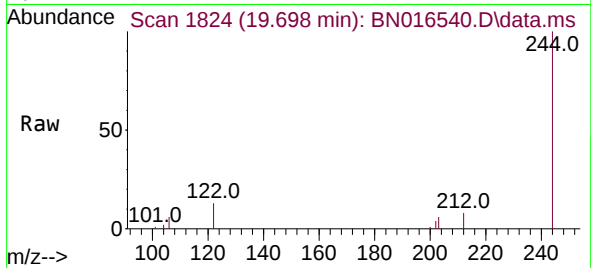




#31
 Terphenyl-d14
 Concen: 0.282 ng
 RT: 19.698 min Scan# 1824
 Delta R.T. -0.005 min
 Lab File: BN016540.D
 Acq: 27 Sep 2021 09:51

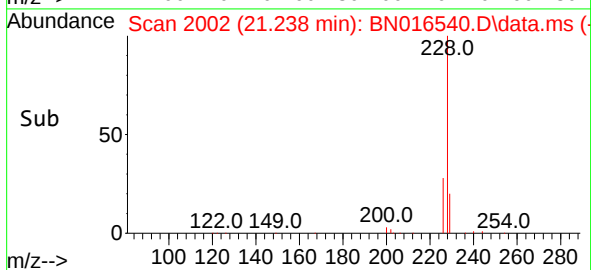
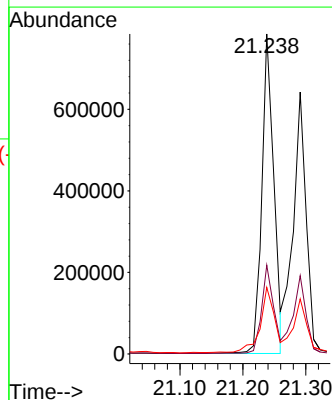
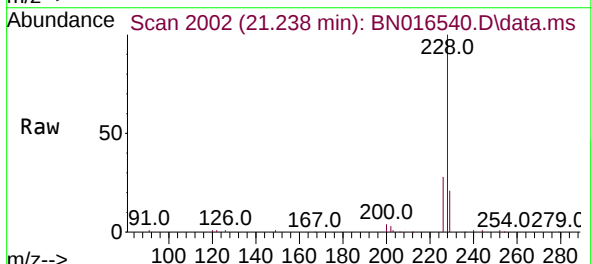
Instrument :
 BNA_N
 ClientSampled :

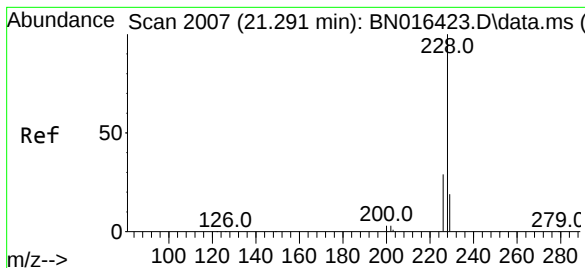
Tgt Ion:244 Resp: 54491
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.5 8.3
 122 13.4 9.0 13.4



#32
 Benzo(a)anthracene
 Concen: 4.300 ng
 RT: 21.238 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: BN016540.D
 Acq: 27 Sep 2021 09:51

Tgt Ion:228 Resp: 1035727
 Ion Ratio Lower Upper
 228 100
 226 27.7 20.8 31.2
 229 20.8 15.8 23.6





#33

Chrysene

Concen: 3.552 ng

RT: 21.291 min Scan# 2007

Delta R.T. 0.000 min

Lab File: BN016540.D

Acq: 27 Sep 2021 09:51

Tgt Ion:228 Resp: 919076

Ion Ratio Lower Upper

228 100

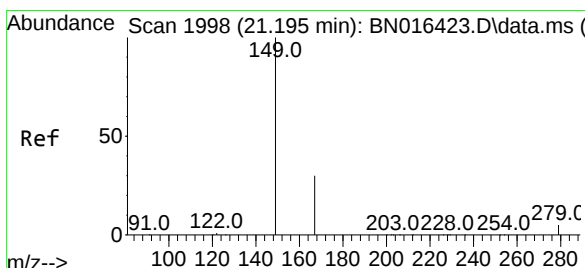
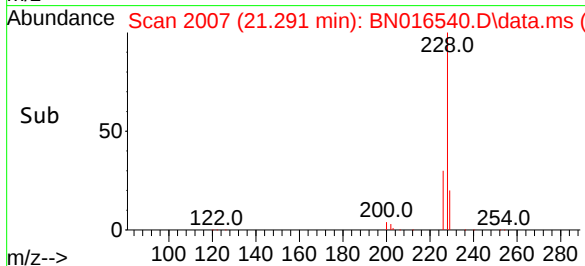
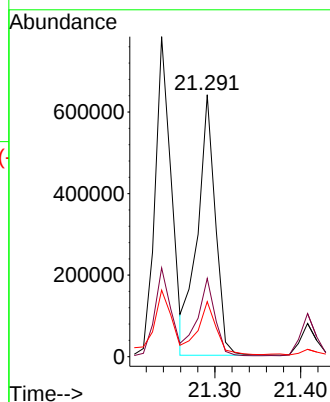
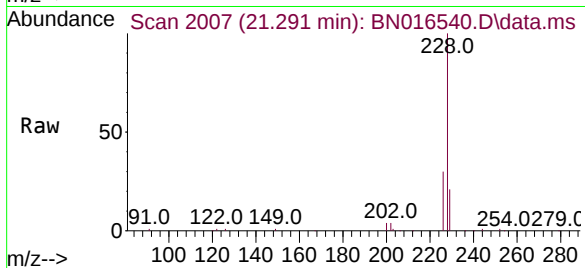
226 29.9 23.0 34.4

229 21.0 15.6 23.4

Instrument :

BNA_N

ClientSampleId :



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.377 ng

RT: 21.195 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BN016540.D

Acq: 27 Sep 2021 09:51

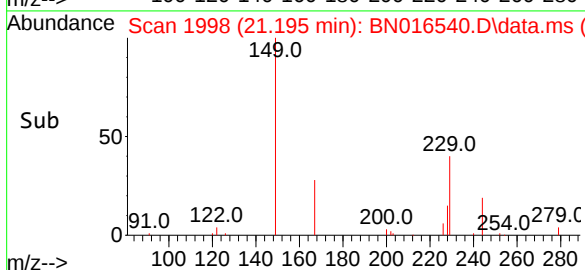
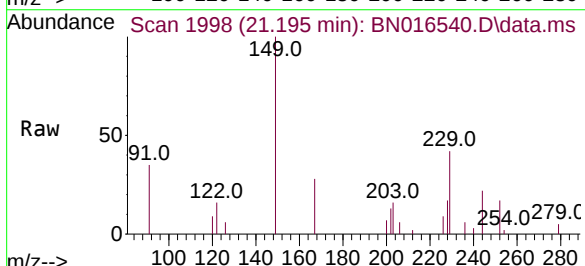
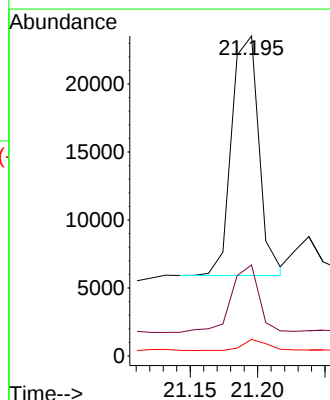
Tgt Ion:149 Resp: 24780

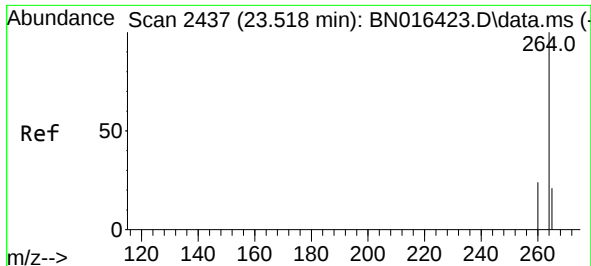
Ion Ratio Lower Upper

149 100

167 28.8 23.4 35.0

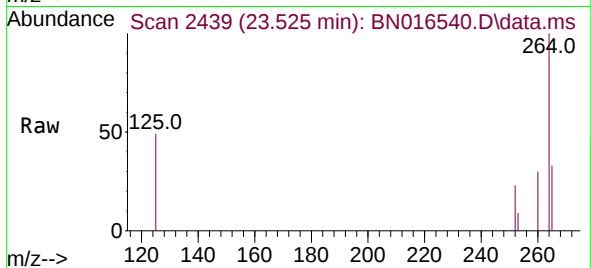
279 4.5 3.9 5.9



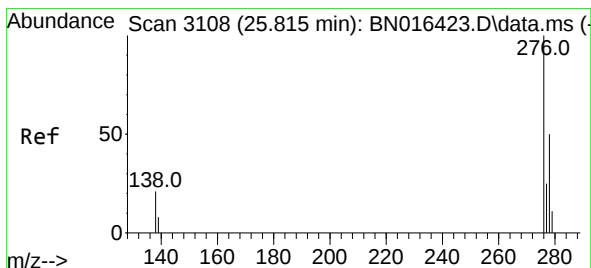
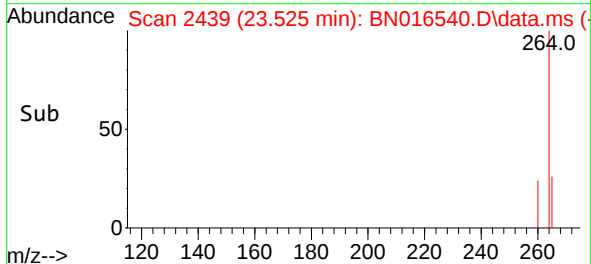
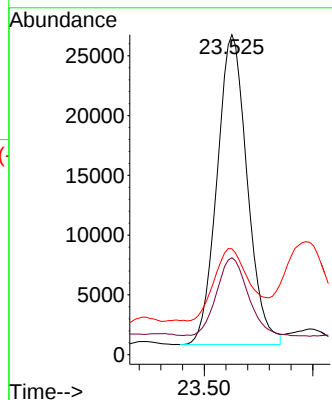


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.525 min Scan# 2439
Delta R.T. 0.007 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Instrument :
BNA_N
ClientSampled :

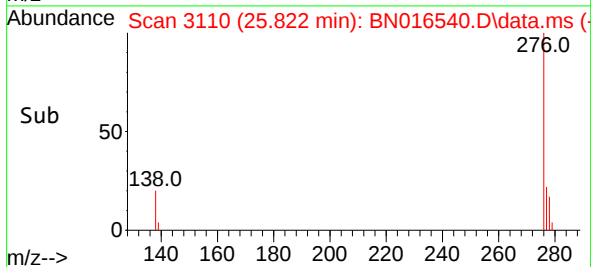
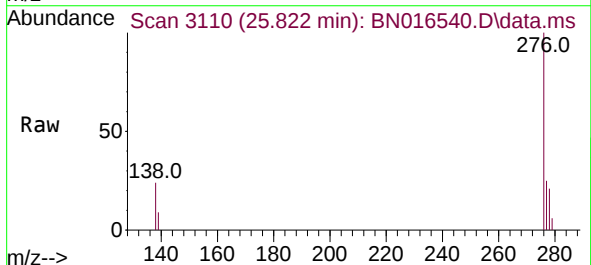
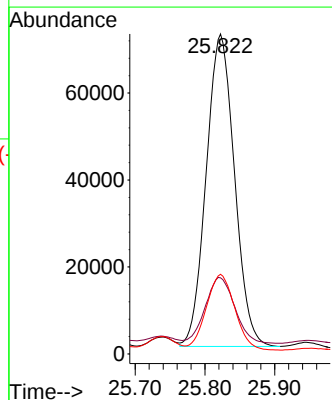


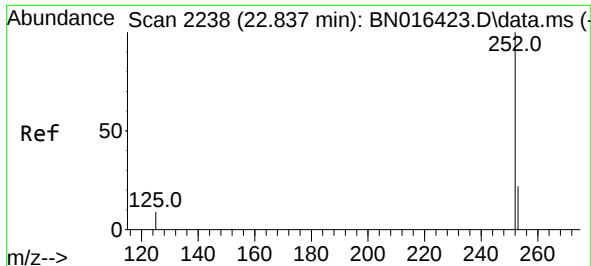
Tgt Ion:264 Resp: 50026
Ion Ratio Lower Upper
264 100
260 30.3 18.9 28.3#
265 33.1 23.7 35.5



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.249 ng
RT: 25.822 min Scan# 3110
Delta R.T. 0.007 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:276 Resp: 202466
Ion Ratio Lower Upper
276 100
138 22.0 19.3 28.9
277 24.5 20.2 30.2

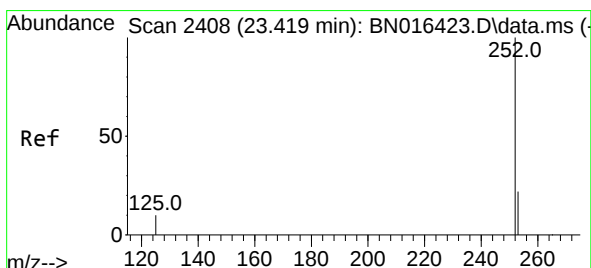
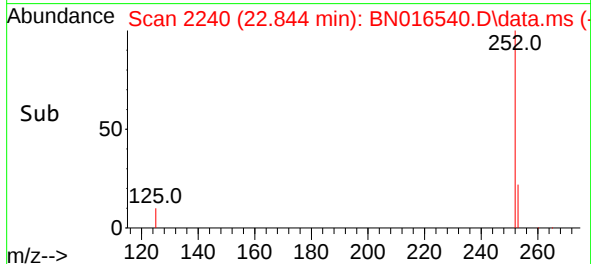
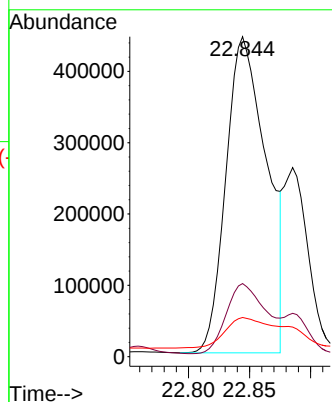
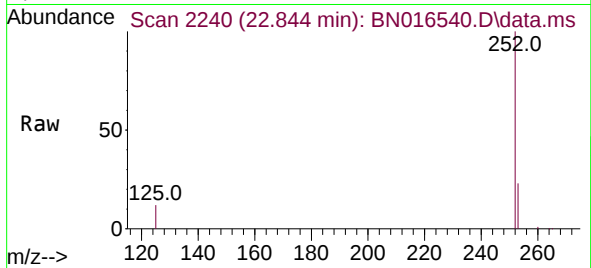




#37
Benzo(b)fluoranthene
Concen: 6.140 ng
RT: 22.844 min Scan# 2240
Delta R.T. 0.007 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

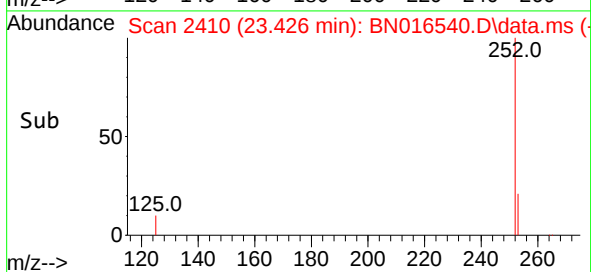
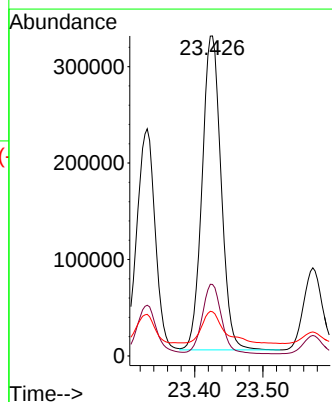
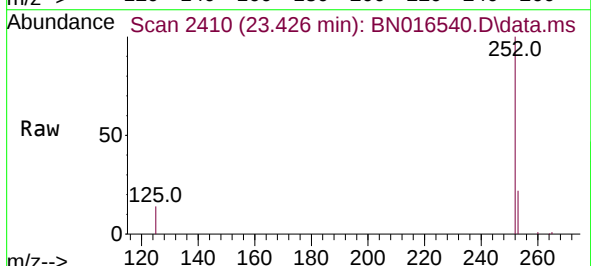
Instrument :
BNA_N
ClientSampled :

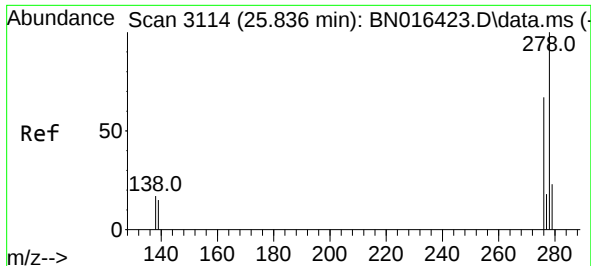
Tgt Ion:252 Resp: 1026306
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 12.2 8.4 12.6



#39
Benzo(a)pyrene
Concen: 4.628 ng
RT: 23.426 min Scan# 2410
Delta R.T. 0.007 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:252 Resp: 630663
Ion Ratio Lower Upper
252 100
253 22.4 18.7 28.1
125 13.8 9.9 14.9

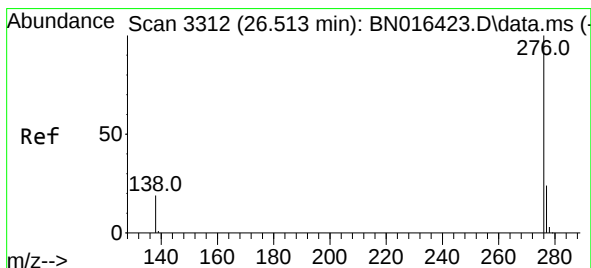
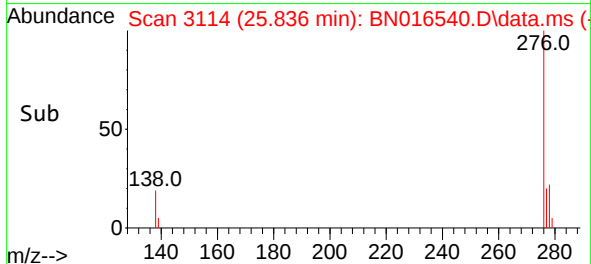
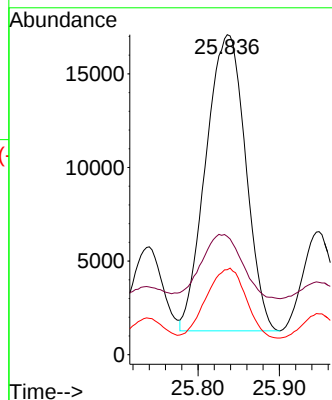
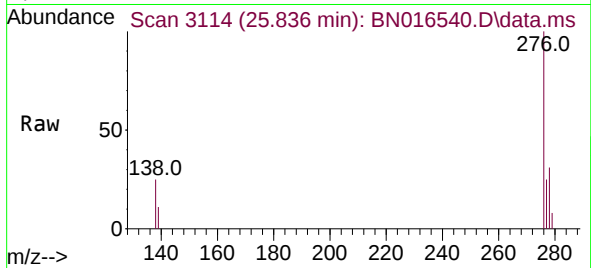




#40
Dibenzo(a,h)anthracene
Concen: 0.388 ng
RT: 25.836 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 53613
Ion Ratio Lower Upper
278 100
139 36.9 14.2 21.2#
279 26.5 21.3 31.9



#41
Benzo(g,h,i)perylene
Concen: 1.205 ng
RT: 26.524 min Scan# 3315
Delta R.T. 0.010 min
Lab File: BN016540.D
Acq: 27 Sep 2021 09:51

Tgt Ion:276 Resp: 170791
Ion Ratio Lower Upper
276 100
277 24.6 20.5 30.7
138 23.7 18.2 27.4

