

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090421\
 Data File : BN016216.D
 Acq On : 05 Sep 2021 06:09
 Operator : CG/JU
 Sample : M3561-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VE1-4

Quant Time: Sep 06 06:22:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 06 02:08:58 2021
 Response via : Initial Calibration

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

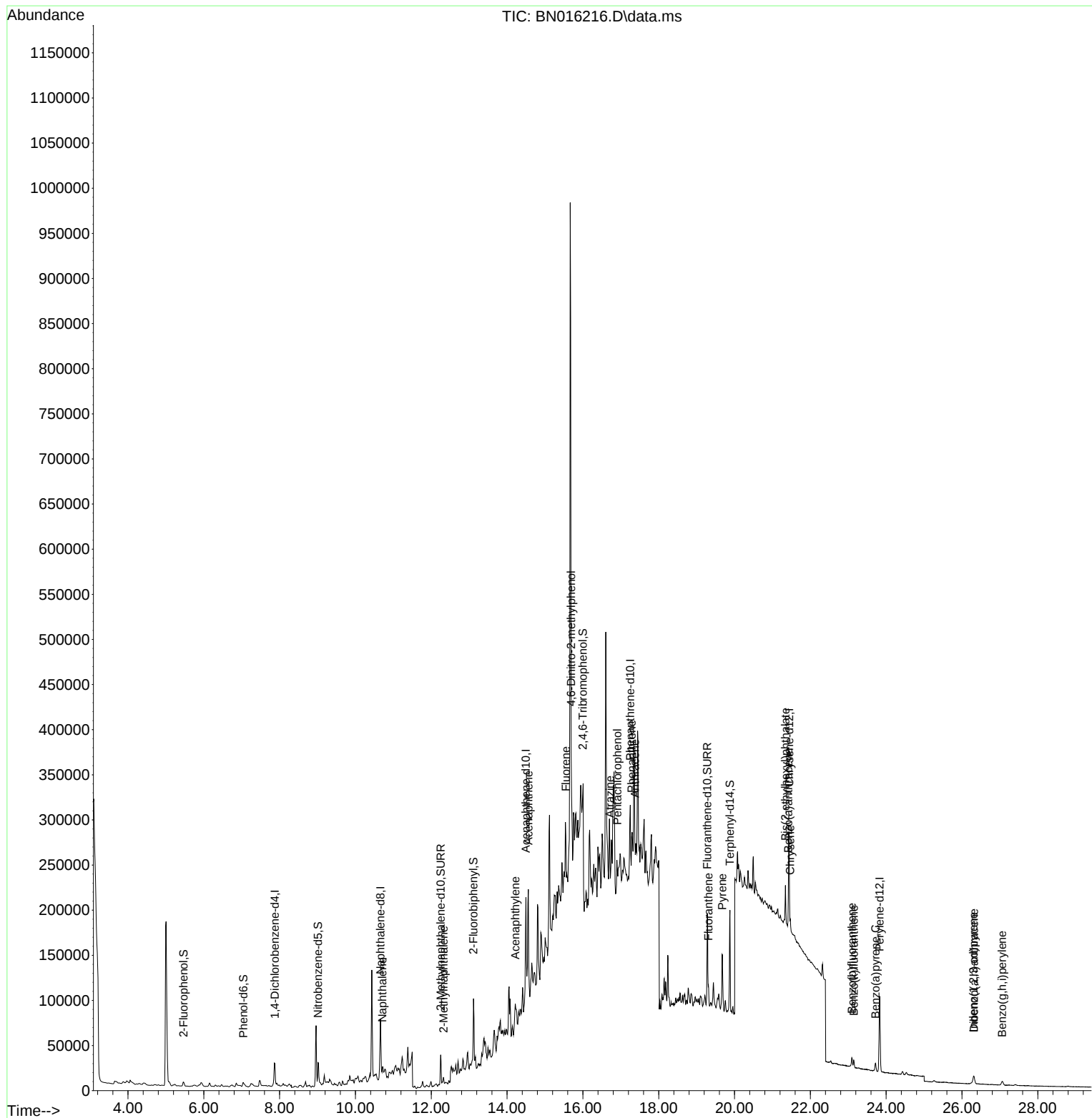
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	15557	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	84121	0.400	ng	# 0.00
13) Acenaphthene-d10	14.497	164	67881	0.400	ng	# 0.00
19) Phenanthrene-d10	17.249	188	108598	0.400	ng	# 0.00
29) Chrysene-d12	21.440	240	118742	0.400	ng	0.01
35) Perylene-d12	23.827	264	120147	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	6212	0.141	ng	0.00
5) Phenol-d6	7.043	99	4692	0.084	ng	0.00
8) Nitrobenzene-d5	9.013	82	24220	0.359	ng	-0.01
11) 2-Methylnaphthalene-d10	12.247	152	50577	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.994	330	10018	0.331	ng	0.00
15) 2-Fluorobiphenyl	13.114	172	69236	0.271	ng	-0.01
27) Fluoranthene-d10	19.281	212	121665	0.373	ng	0.00
31) Terphenyl-d14	19.877	244	112540	0.375	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.711	128	6777	0.030	ng	# 44
12) 2-Methylnaphthalene	12.323	142	3629	0.024	ng	# 1
16) Acenaphthylene	14.218	152	27857	0.091	ng	# 62
17) Acenaphthene	14.561	154	64799	0.336	ng	# 85
18) Fluorene	15.550	166	47195	0.195	ng	# 74
20) 4,6-Dinitro-2-methylph...	15.690	198	1894	0.469	ng	# 1
23) Atrazine	16.713	200	4930	0.085	ng	# 1
24) Pentachlorophenol	16.908	266	489	0.382	ng	# 89
25) Phenanthrene	17.285	178	11338	0.037	ng	# 1
26) Anthracene	17.371	178	36763	0.127	ng	# 62
28) Fluoranthene	19.311	202	19509	0.054	ng	# 89
30) Pyrene	19.674	202	58658	0.152	ng	# 94
32) Benzo(a)anthracene	21.419	228	10542	0.026	ng	# 15
33) Chrysene	21.472	228	12526	0.032	ng	# 17
34) Bis(2-ethylhexyl)phtha...	21.344	149	37996	0.142	ng	# 91
36) Indeno(1,2,3-cd)pyrene	26.302	276	11454	0.034	ng	# 97
37) Benzo(b)fluoranthene	23.098	252	11553	0.028	ng	# 1
38) Benzo(k)fluoranthene	23.146	252	10628	0.028	ng	# 1
39) Benzo(a)pyrene	23.717	252	10572	0.029	ng	# 1
40) Dibenzo(a,h)anthracene	26.319	278	9555	0.034	ng	# 9
41) Benzo(g,h,i)perylene	27.061	276	9800	0.035	ng	# 51

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 06 02:08:58 2021
Response via : Initial Calibration

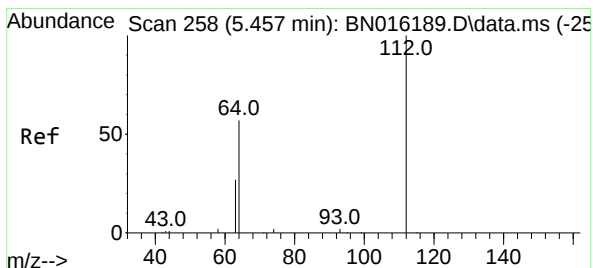
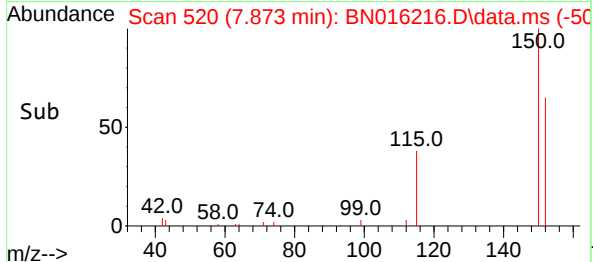
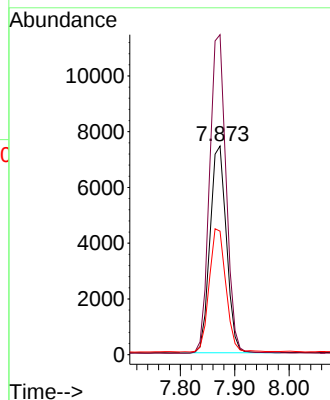
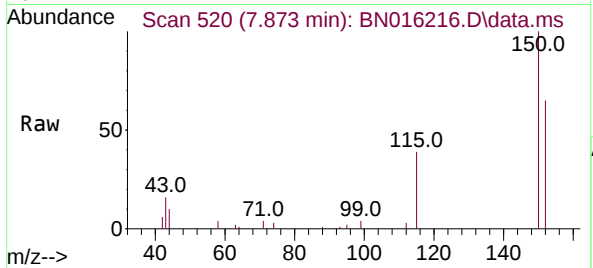




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.873 min Scan# 520
Delta R.T. -0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

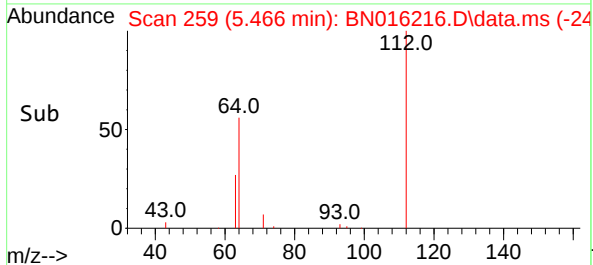
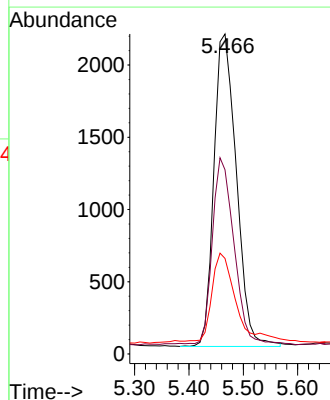
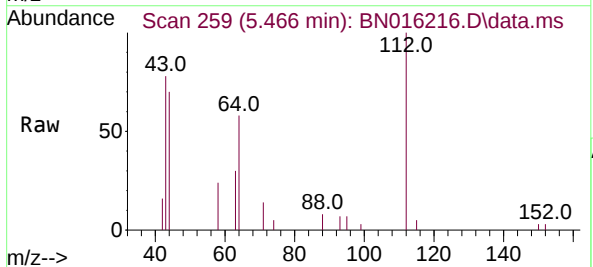
Instrument :
BNA_N
ClientSampled :
VE1-4

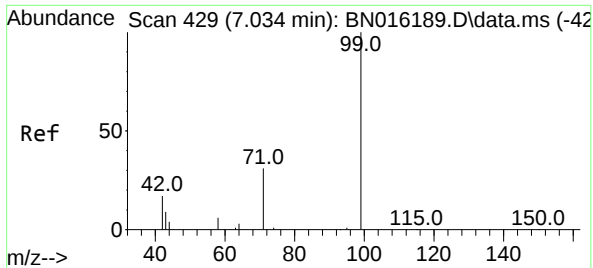
Tgt Ion:152 Resp: 15557
Ion Ratio Lower Upper
152 100
150 153.3 125.3 187.9
115 59.2 48.4 72.6



#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.466 min Scan# 259
Delta R.T. 0.009 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:112 Resp: 6212
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 29.1 22.7 34.1

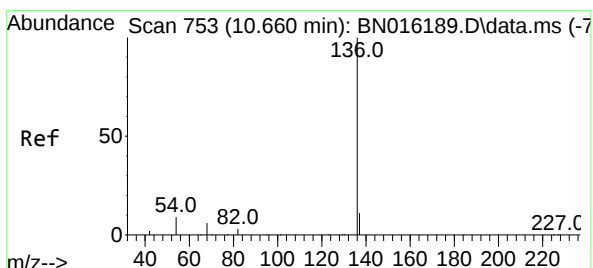
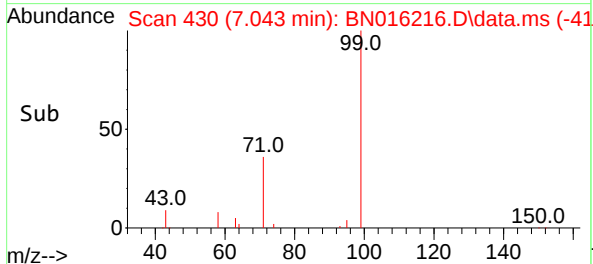
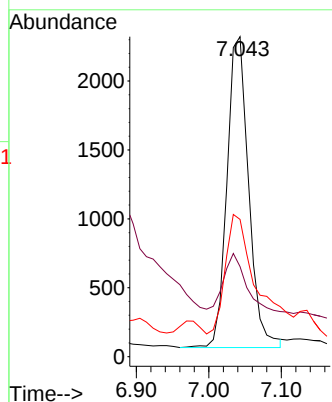
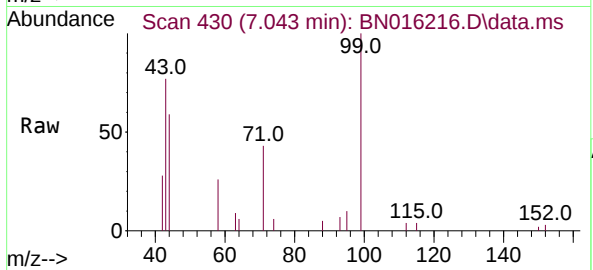




#5
Phenol-d6
Concen: 0.084 ng
RT: 7.043 min Scan# 430
Delta R.T. 0.009 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

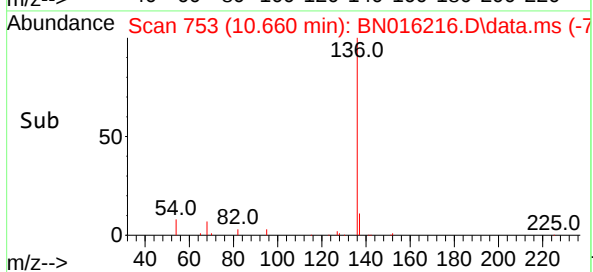
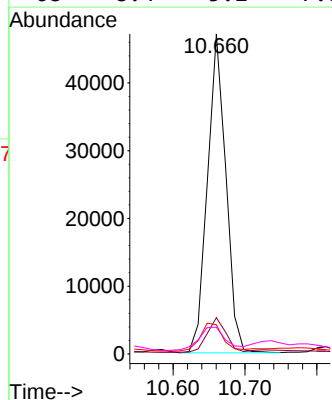
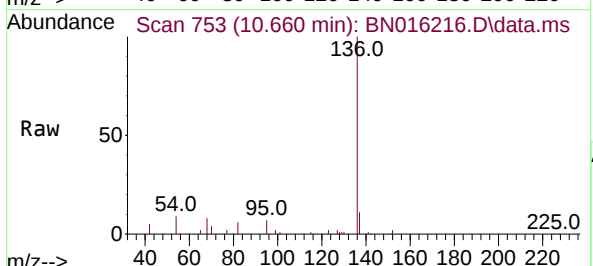
Instrument :
BNA_N
ClientSampled :
VE1-4

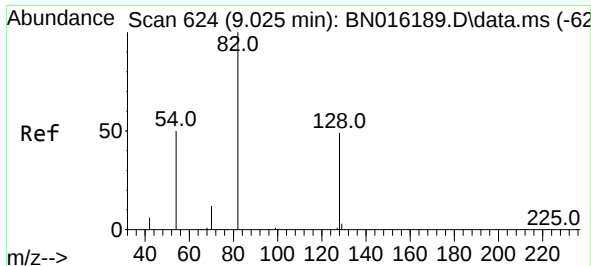
Tgt Ion:	99	Resp:	4692
Ion	Ratio	Lower	Upper
99	100		
42	18.9	13.8	20.6
71	51.9	24.3	36.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:	136	Resp:	84121
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.1	7.2	10.8
68	8.4	5.2	7.8

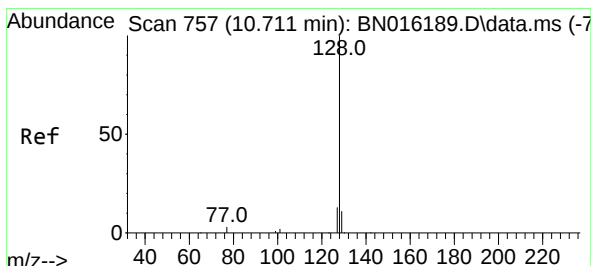
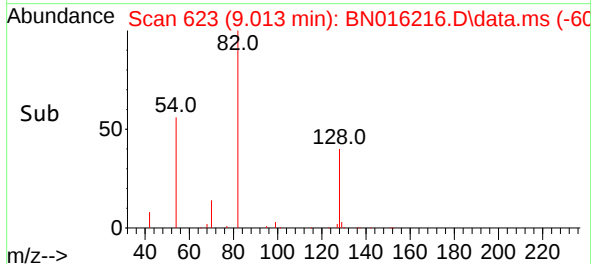
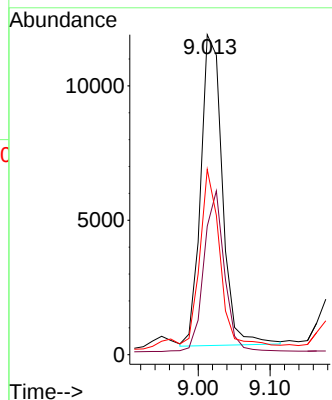
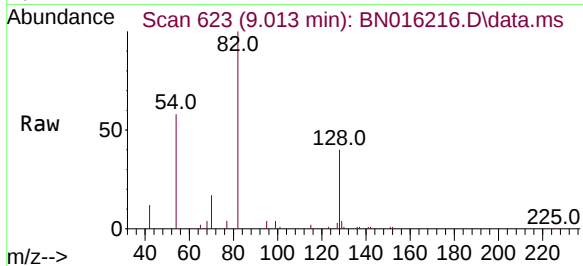




#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 9.013 min Scan# 623
Delta R.T. -0.013 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

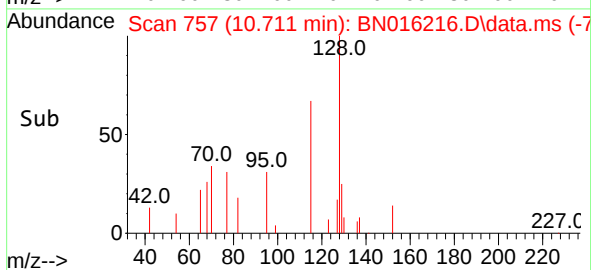
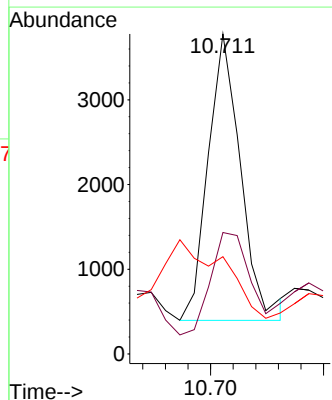
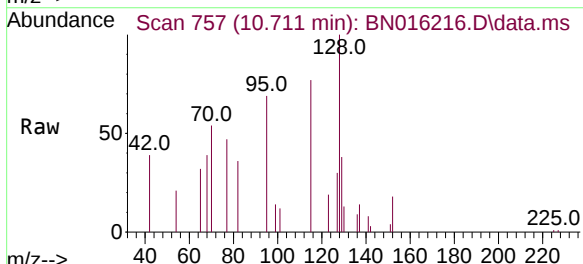
Instrument :
BNA_N
ClientSampleId :
VE1-4

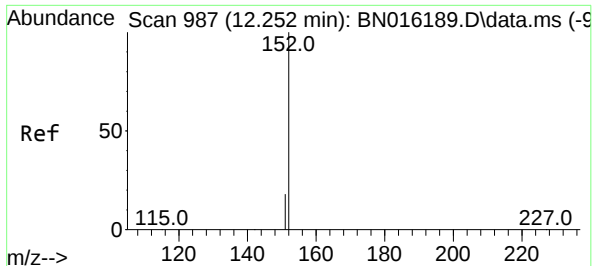
Tgt Ion: 82 Resp: 24220
Ion Ratio Lower Upper
82 100
128 40.1 39.3 58.9
54 57.9 40.2 60.4



#9
Naphthalene
Concen: 0.030 ng
RT: 10.711 min Scan# 757
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion: 128 Resp: 6777
Ion Ratio Lower Upper
128 100
129 37.9 8.9 13.3#
127 30.4 10.4 15.6#

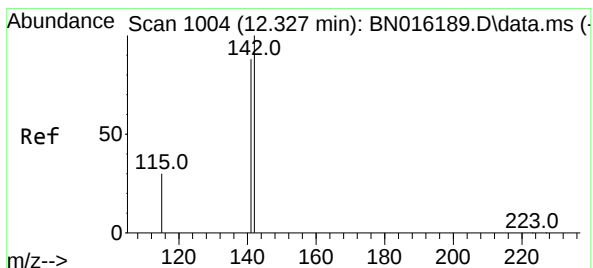
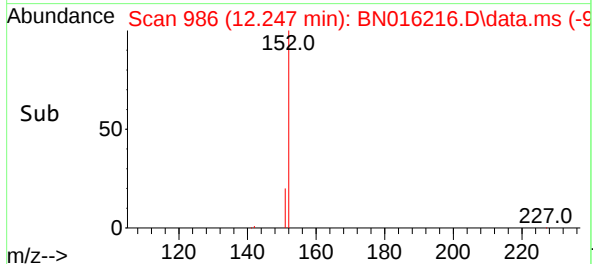
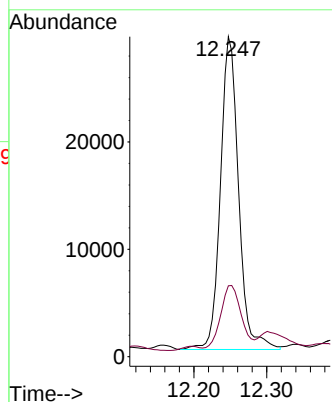
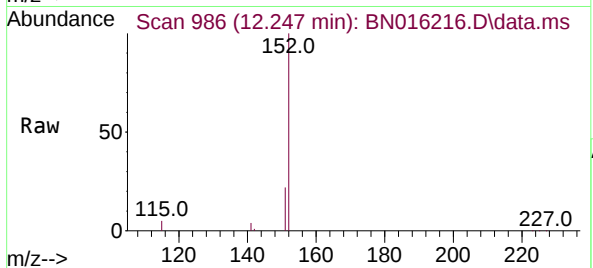




#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 12.247 min Scan# 986
Delta R.T. -0.004 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

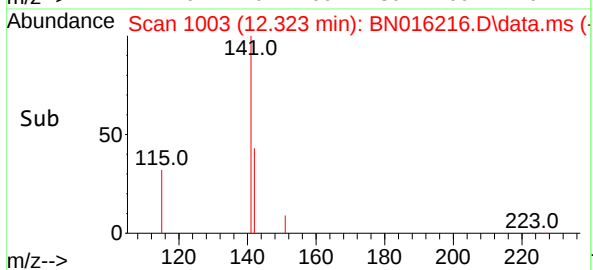
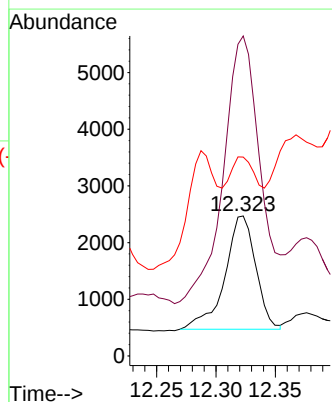
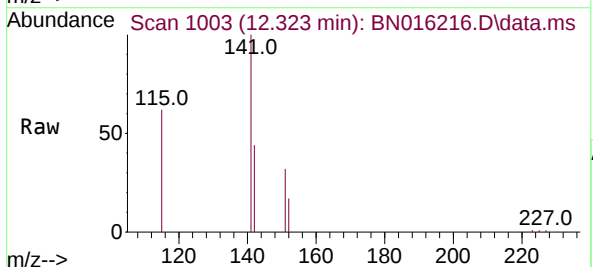
Instrument :
BNA_N
ClientSampled :
VE1-4

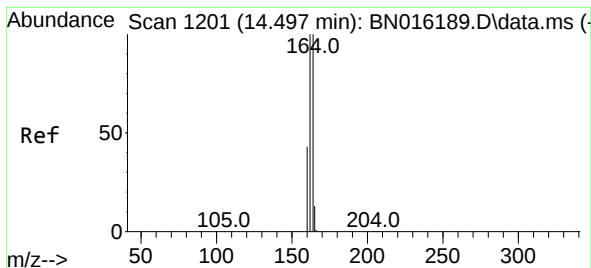
Tgt Ion:152 Resp: 50577
Ion Ratio Lower Upper
152 100
151 22.5 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.323 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:142 Resp: 3629
Ion Ratio Lower Upper
142 100
141 228.5 70.4 105.6#
115 142.0 24.4 36.6#

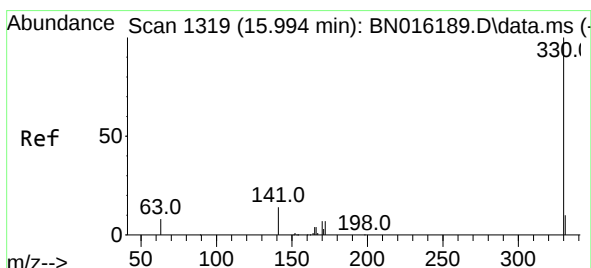
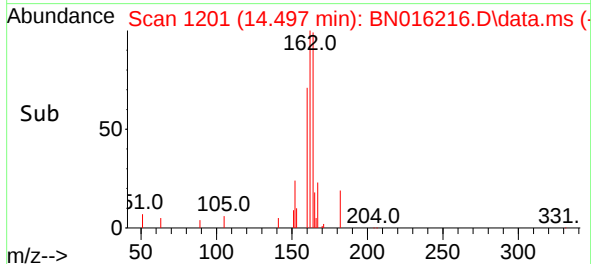
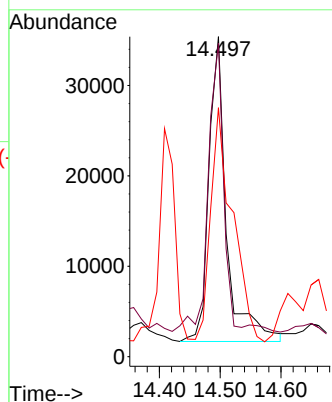
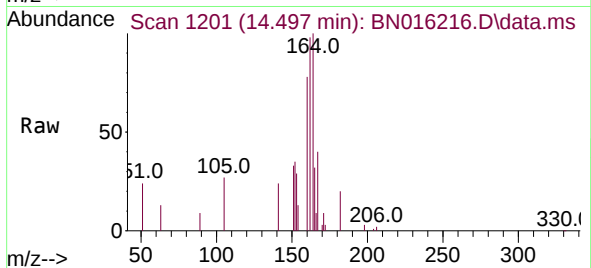




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.497 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

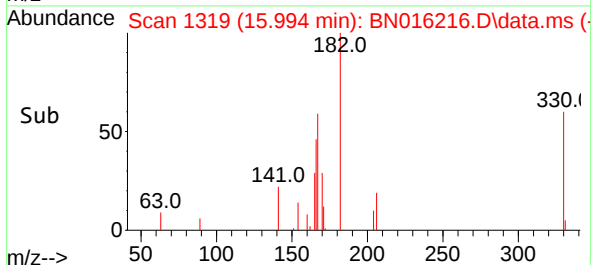
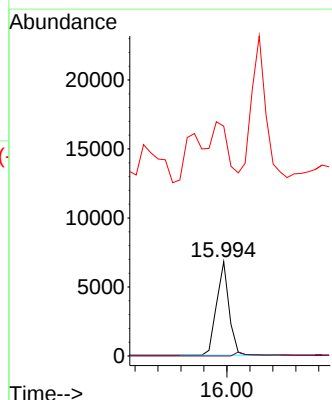
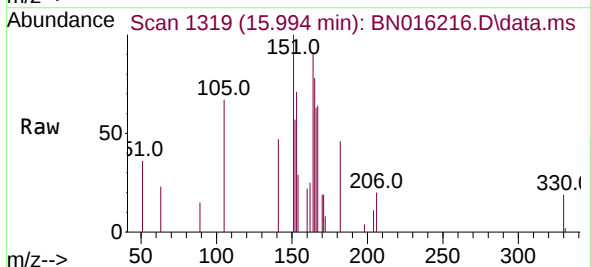
Instrument :
BNA_N
ClientSampled :
VE1-4

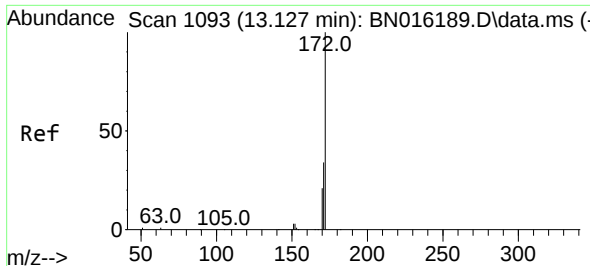
Tgt Ion:164 Resp: 67881
Ion Ratio Lower Upper
164 100
162 97.9 79.8 119.6
160 77.8 34.2 51.4#



#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.994 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:330 Resp: 10018
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 82.0 25.4 38.2#

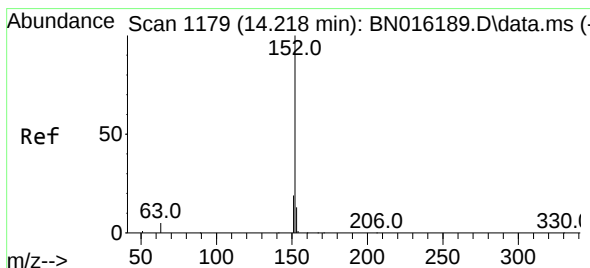
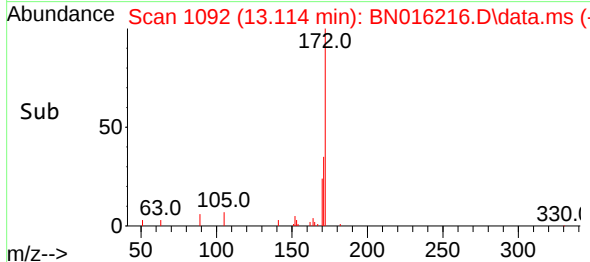
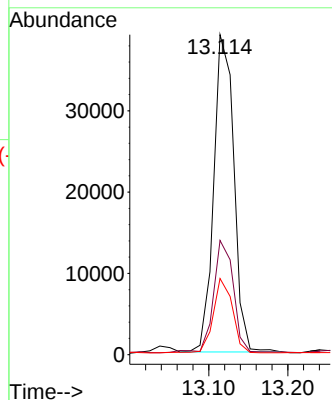
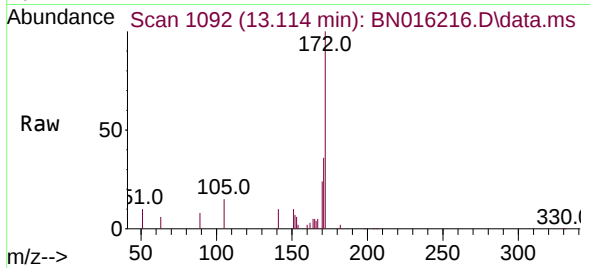




#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 13.114 min Scan# 1092
Delta R.T. -0.013 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

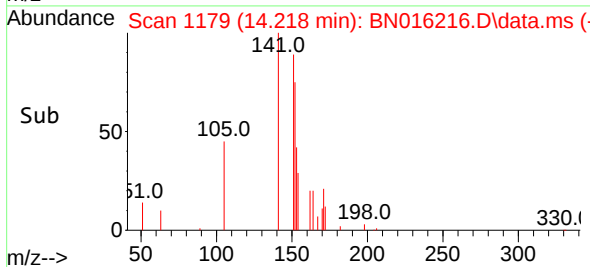
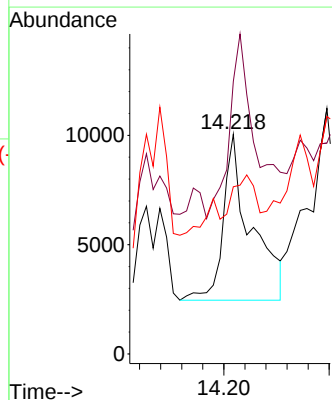
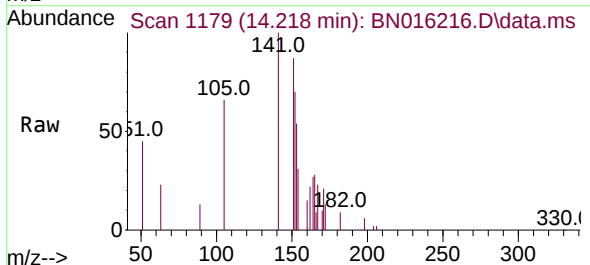
Instrument :
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VE1-4

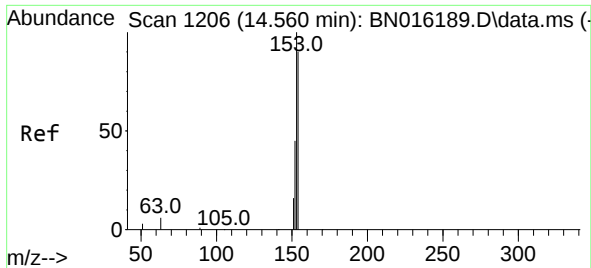
Tgt Ion:	172	Resp:	69236
Ion Ratio	Lower	Upper	
172	100		
171	35.7	26.9	40.3
170	23.8	17.1	25.7



#16
Acenaphthylene
Concen: 0.091 ng
RT: 14.218 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:	152	Resp:	27857
Ion Ratio	Lower	Upper	
152	100		
151	0.0	15.3	22.9#
153	0.0	10.4	15.6#

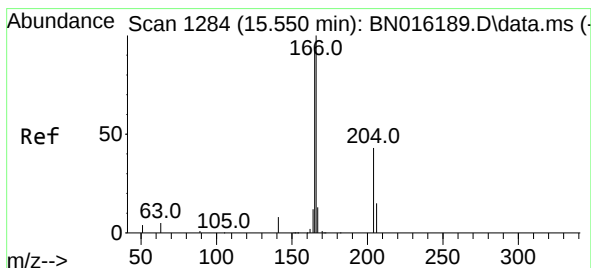
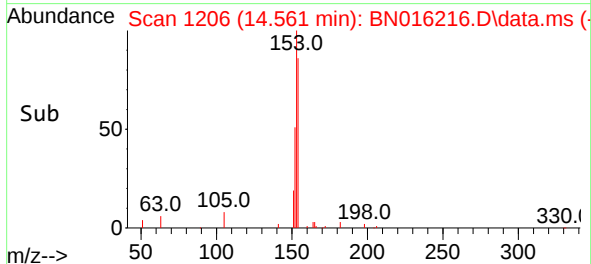
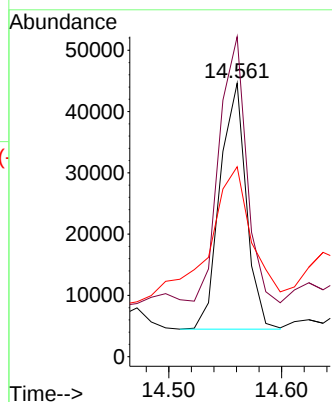
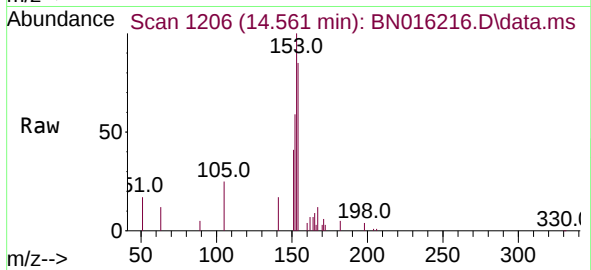




#17
Acenaphthene
Concen: 0.336 ng
RT: 14.561 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

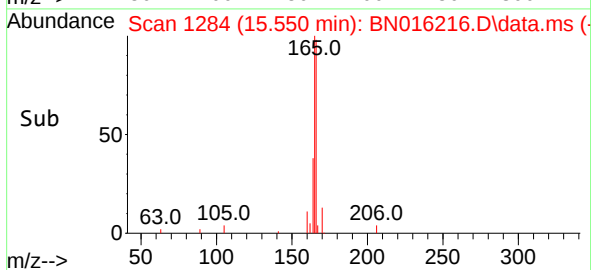
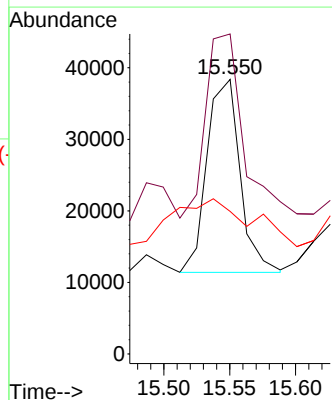
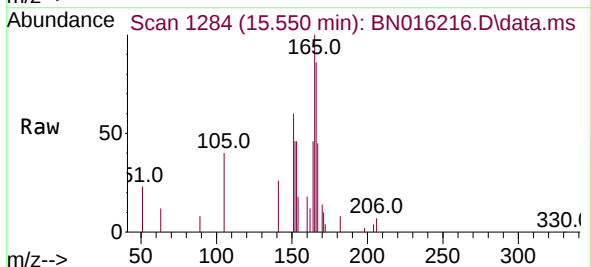
Instrument :
BNA_N
ClientSampleId :
VE1-4

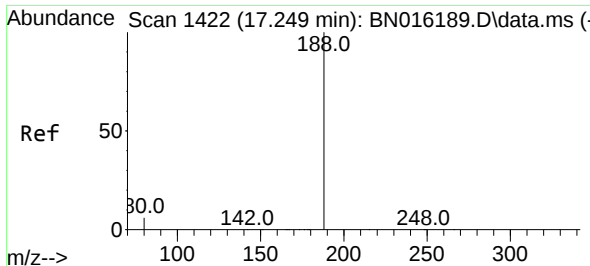
Tgt Ion:154 Resp: 64799
Ion Ratio Lower Upper
154 100
153 114.6 89.1 133.7
152 79.2 41.2 61.8#



#18
Fluorene
Concen: 0.195 ng
RT: 15.550 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:166 Resp: 47195
Ion Ratio Lower Upper
166 100
165 109.4 77.0 115.6
167 58.7 10.9 16.3#

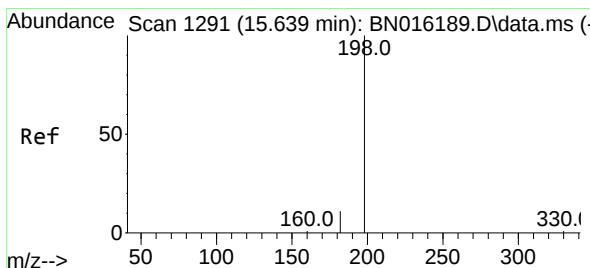
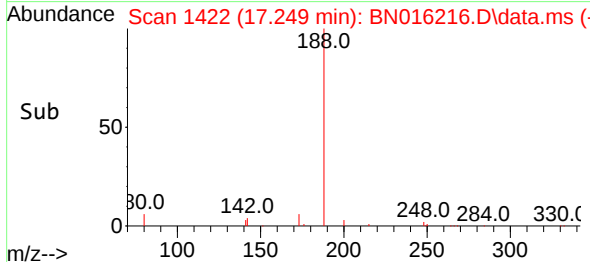
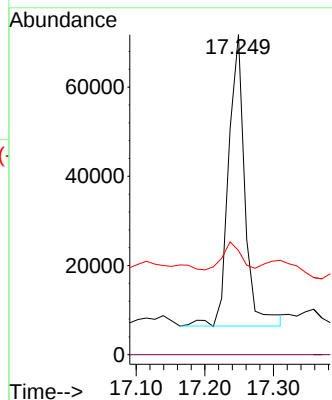
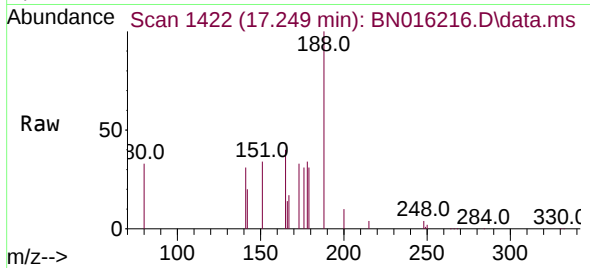




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

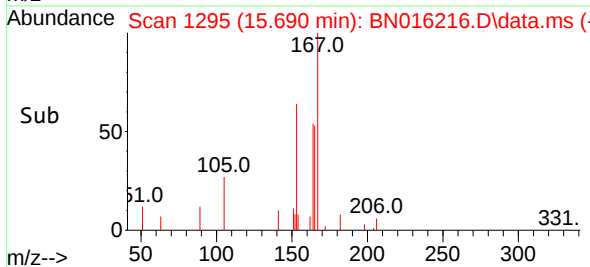
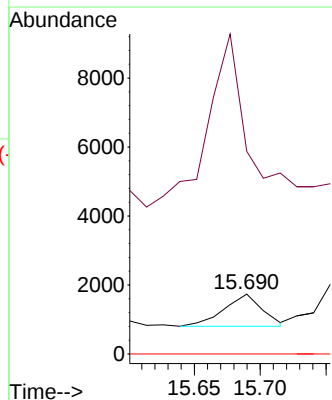
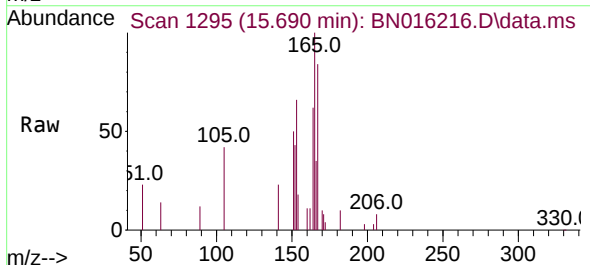
Instrument :
BNA_N
ClientSampleId :
VE1-4

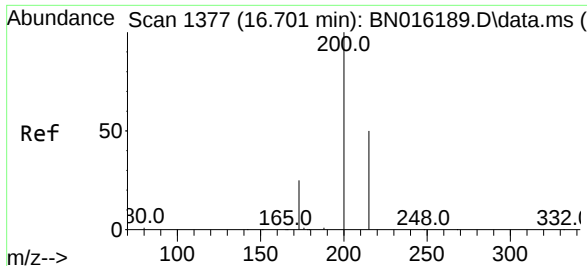
Tgt Ion:188 Resp: 108598
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 32.5 5.0 7.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.469 ng
RT: 15.690 min Scan# 1295
Delta R.T. 0.051 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:198 Resp: 1894
Ion Ratio Lower Upper
198 100
182 338.5 28.8 43.2#
77 0.0 0.0 0.0

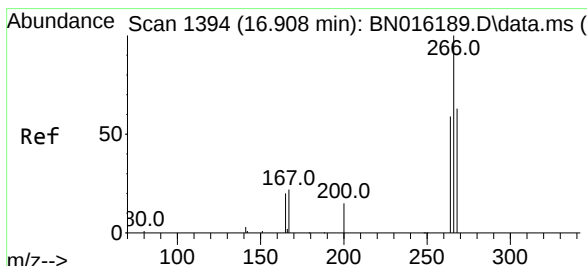
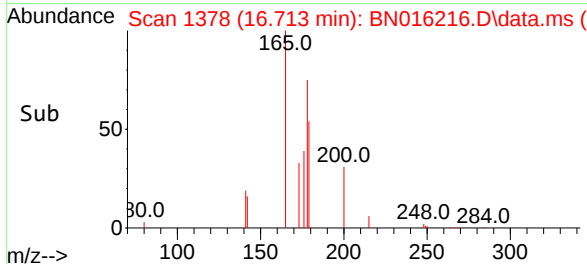
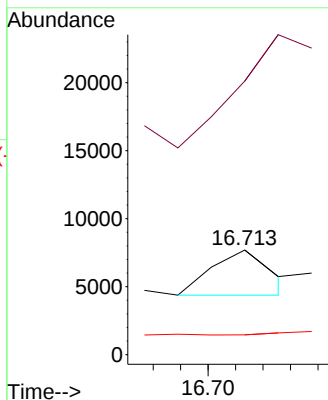
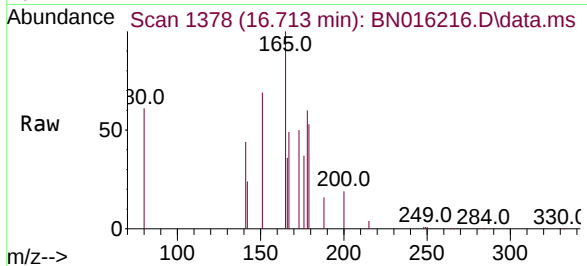




#23
Atrazine
Concen: 0.085 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.012 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

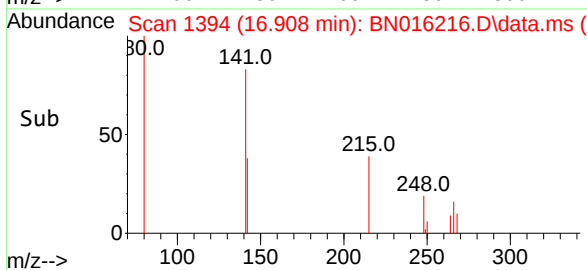
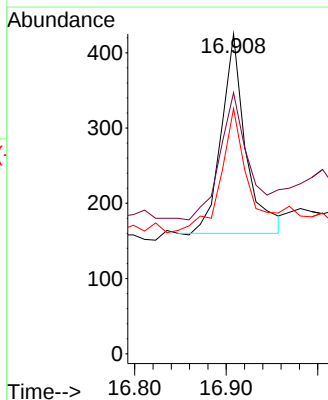
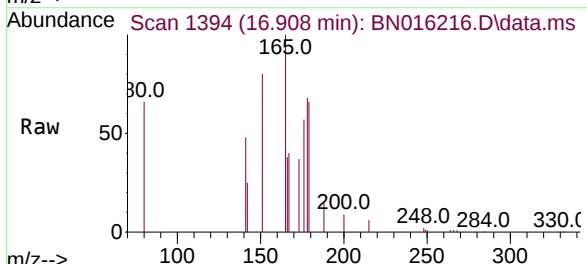
Instrument :
BNA_N
ClientSampleId :
VE1-4

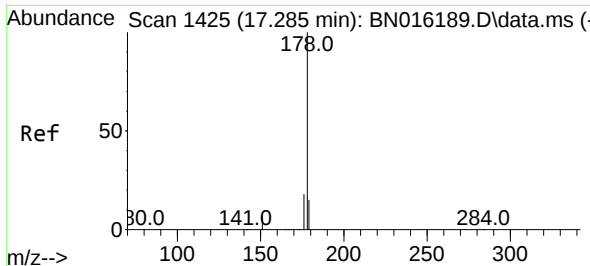
Tgt Ion:200 Resp: 4930
Ion Ratio Lower Upper
200 100
173 261.6 20.6 31.0#
215 19.0 40.5 60.7#



#24
Pentachlorophenol
Concen: 0.382 ng
RT: 16.908 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:266 Resp: 489
Ion Ratio Lower Upper
266 100
264 71.6 50.4 75.6
268 70.1 49.6 74.4

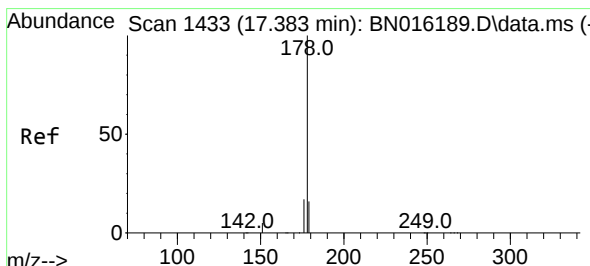
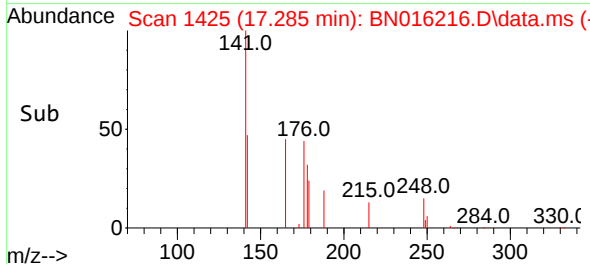
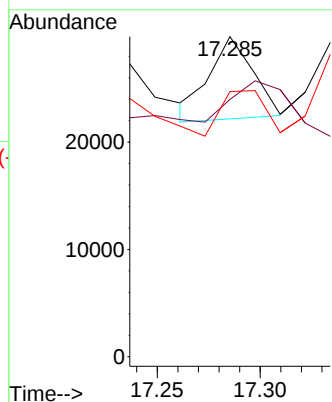
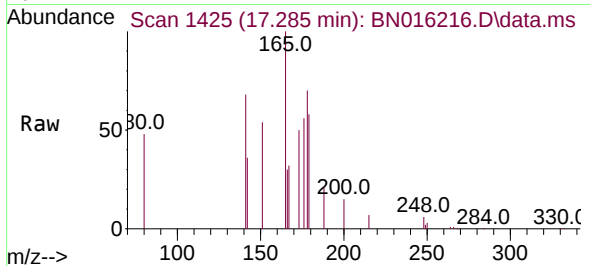




#25
Phenanthrene
Concen: 0.037 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

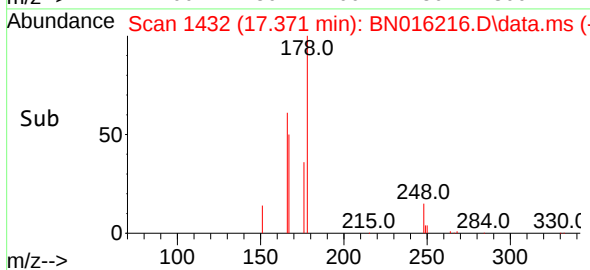
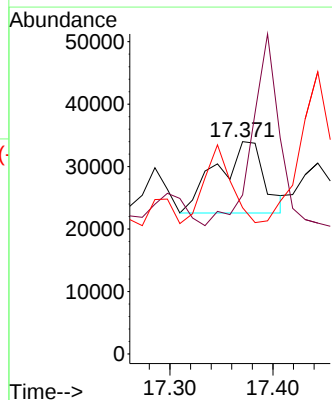
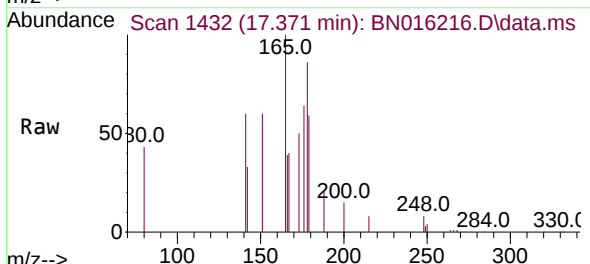
Instrument :
BNA_N
ClientSampled :
VE1-4

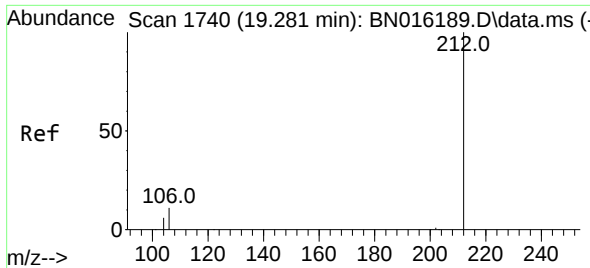
Tgt Ion:178 Resp: 11338
Ion Ratio Lower Upper
178 100
176 91.5 14.5 21.7#
179 56.4 12.3 18.5#



#26
Anthracene
Concen: 0.127 ng
RT: 17.371 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:178 Resp: 36763
Ion Ratio Lower Upper
178 100
176 0.0 13.8 20.8#
179 0.0 12.4 18.6#

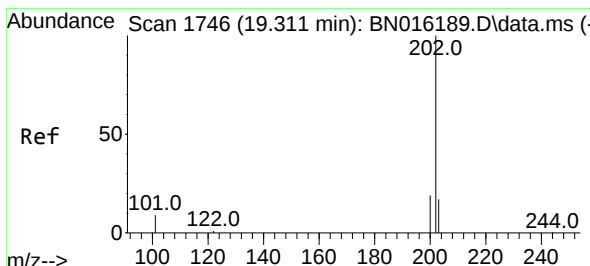
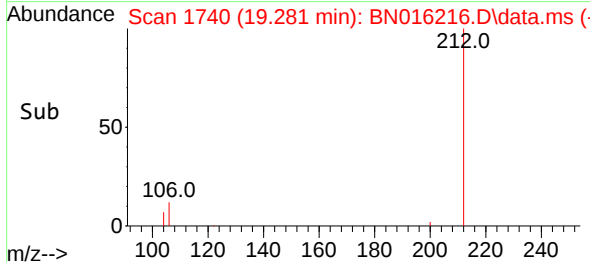
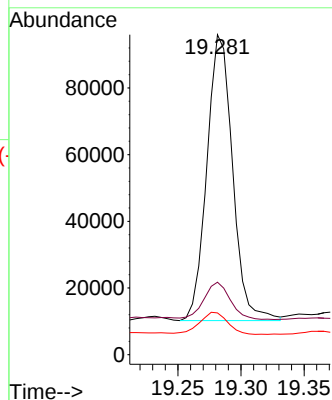
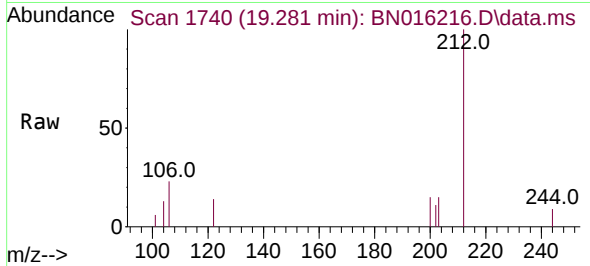




#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.281 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

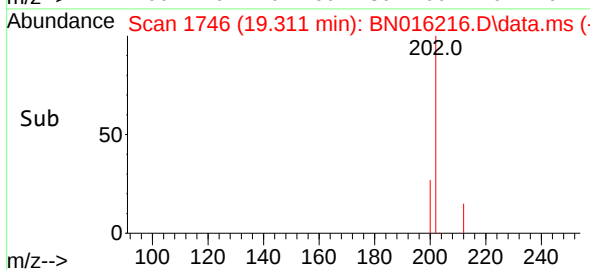
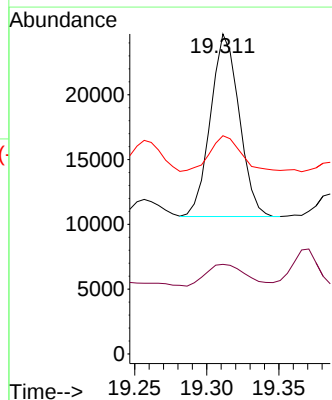
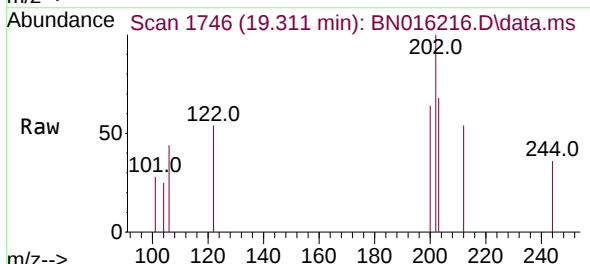
Instrument :
BNA_N
ClientSampleId :
VE1-4

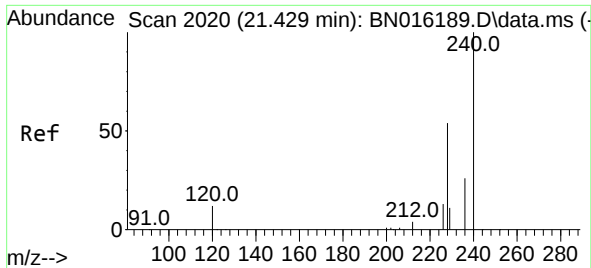
Tgt Ion:212 Resp: 121665
Ion Ratio Lower Upper
212 100
106 13.3 9.7 14.5
104 8.4 5.4 8.0#



#28
Fluoranthene
Concen: 0.054 ng
RT: 19.311 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:202 Resp: 19509
Ion Ratio Lower Upper
202 100
101 16.6 8.4 12.6#
203 20.7 13.8 20.8

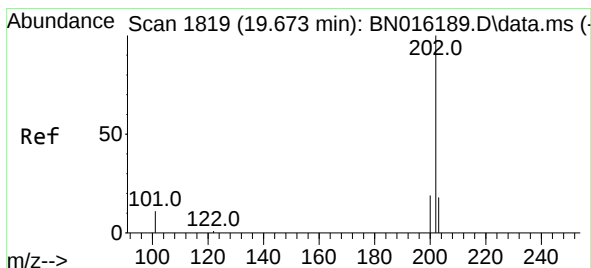
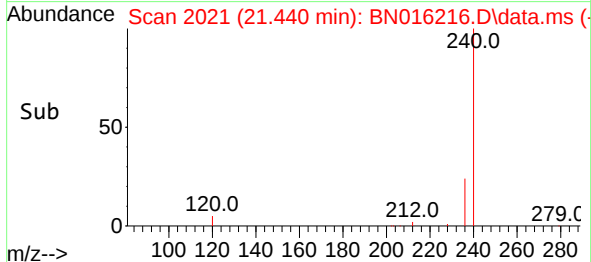
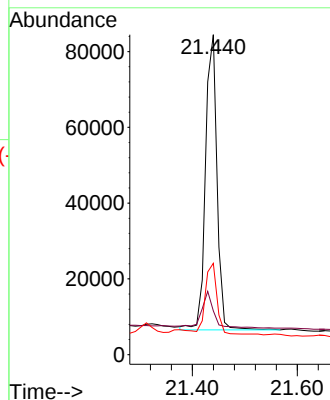
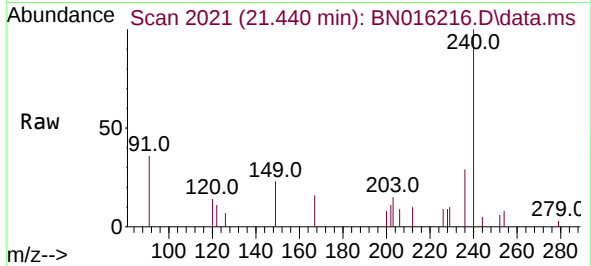




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.440 min Scan# 2021
Delta R.T. 0.011 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

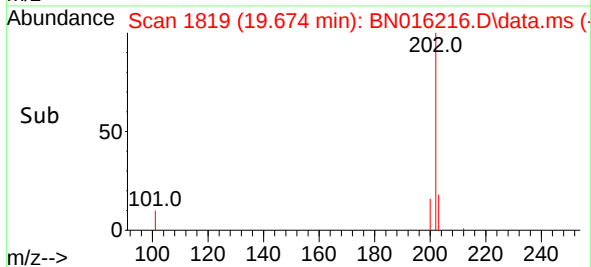
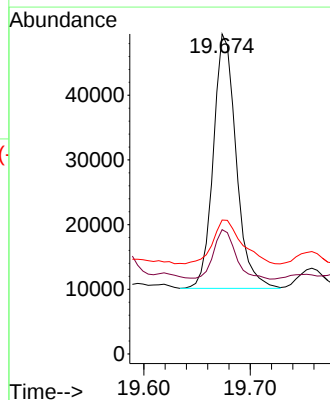
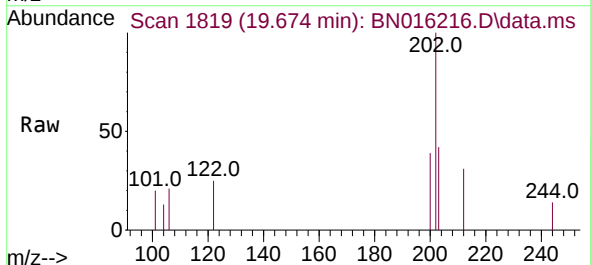
Instrument :
BNA_N
ClientSampleId :
VE1-4

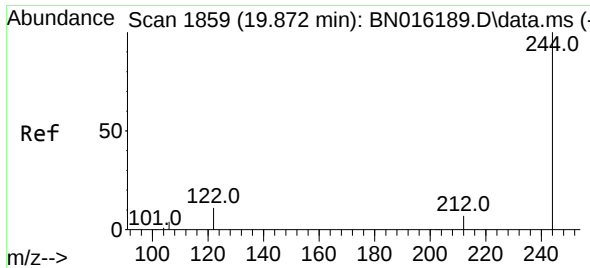
Tgt Ion:240 Resp: 118742
Ion Ratio Lower Upper
240 100
120 13.7 10.0 15.0
236 28.5 20.9 31.3



#30
Pyrene
Concen: 0.152 ng
RT: 19.674 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

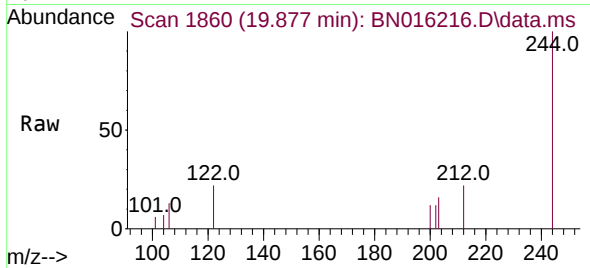
Tgt Ion:202 Resp: 58658
Ion Ratio Lower Upper
202 100
200 18.8 15.8 23.8
203 21.7 14.1 21.1#



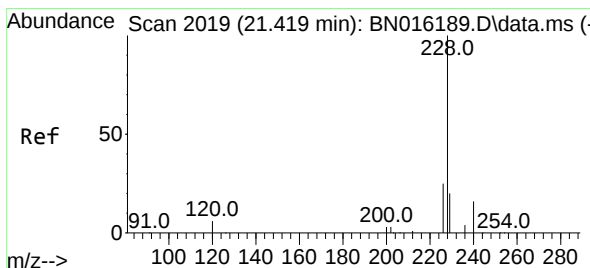
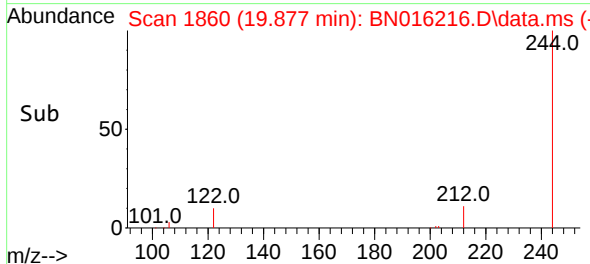
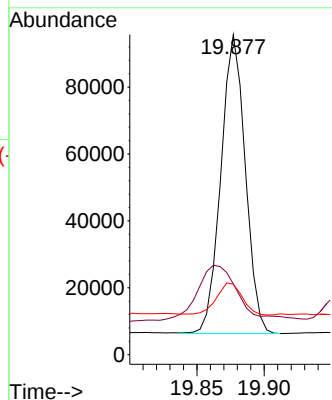


#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.877 min Scan# 1860
Delta R.T. 0.005 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Instrument :
BNA_N
ClientSampled :
VE1-4

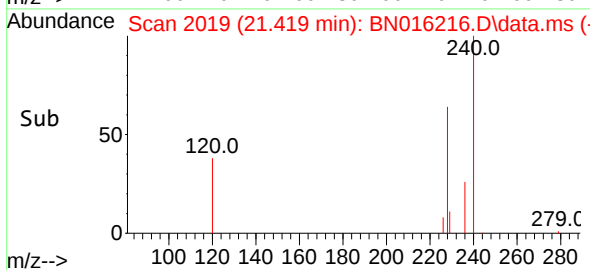
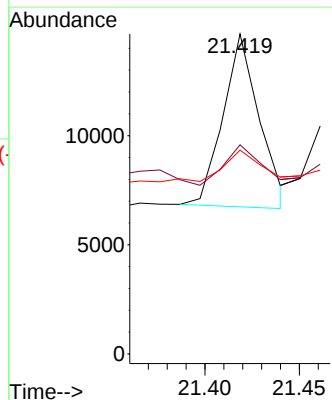
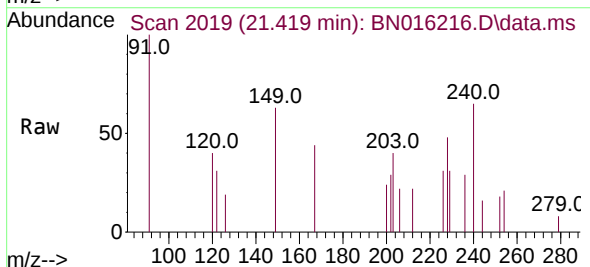


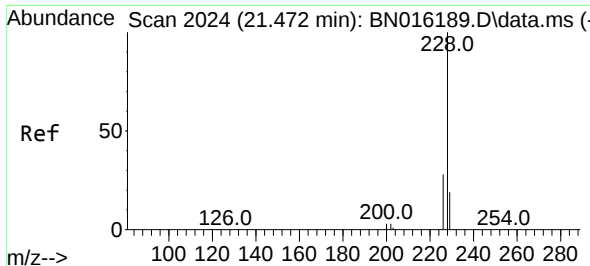
Tgt Ion:244 Resp: 112540
Ion Ratio Lower Upper
244 100
212 22.1 5.5 8.3#
122 22.0 9.0 13.4#



#32
Benzo(a)anthracene
Concen: 0.026 ng
RT: 21.419 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:228 Resp: 10542
Ion Ratio Lower Upper
228 100
226 65.4 20.5 30.7#
229 63.7 16.2 24.4#

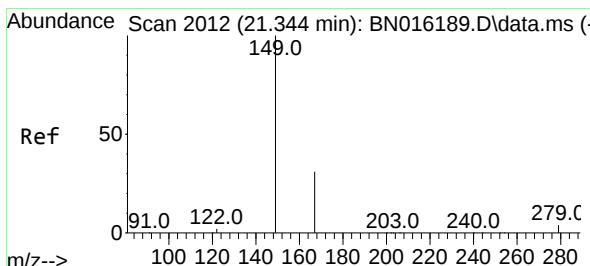
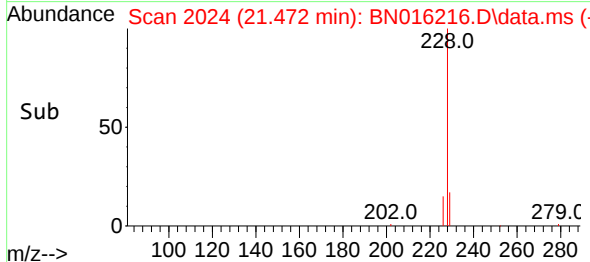
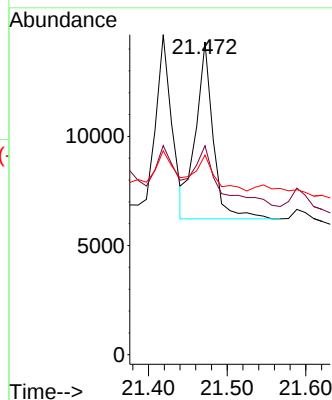
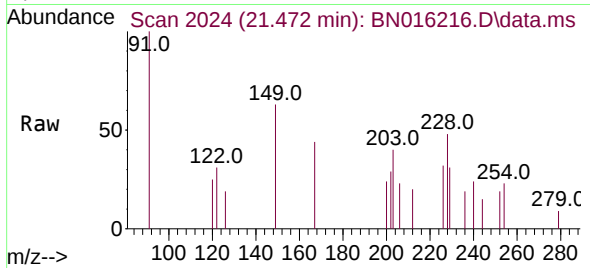




#33
Chrysene
Concen: 0.032 ng
RT: 21.472 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

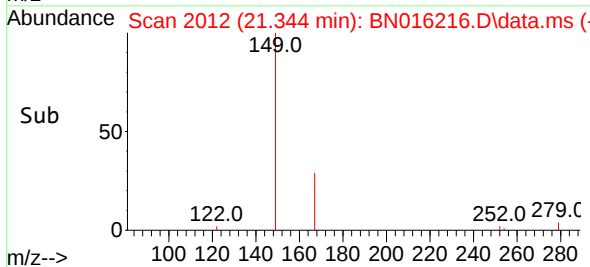
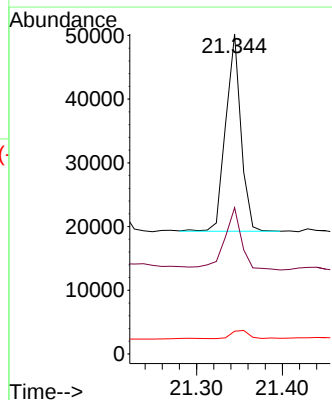
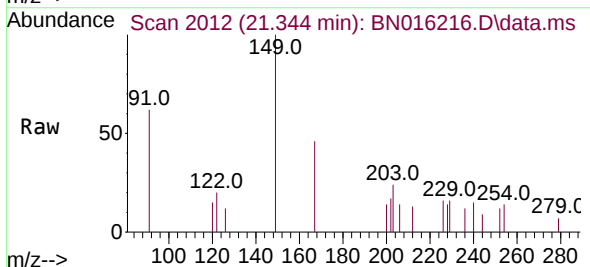
Instrument :
BNA_N
ClientSampleId :
VE1-4

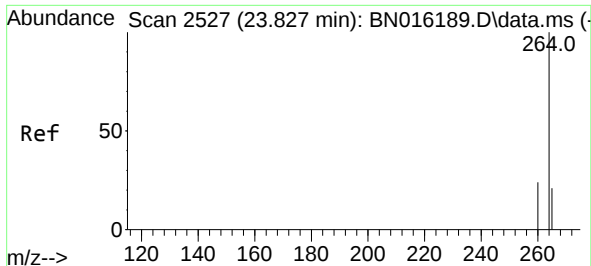
Tgt Ion:228 Resp: 12526
Ion Ratio Lower Upper
228 100
226 66.8 22.5 33.7#
229 63.8 16.0 24.0#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.142 ng
RT: 21.344 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:149 Resp: 37996
Ion Ratio Lower Upper
149 100
167 36.1 24.2 36.4
279 4.8 4.0 6.0

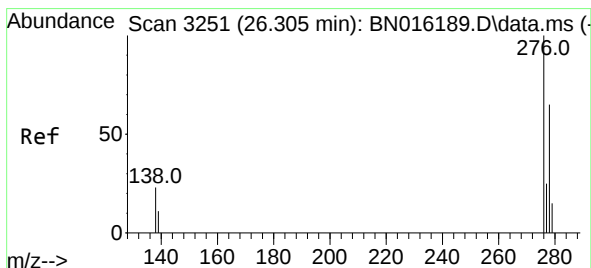
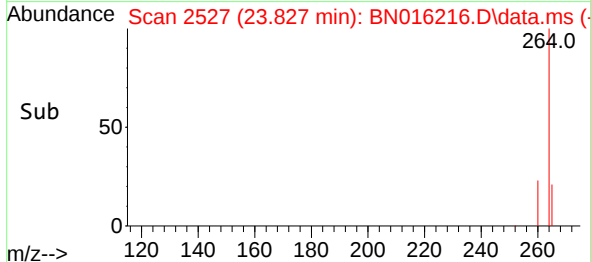
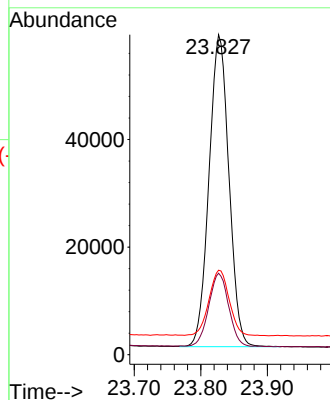
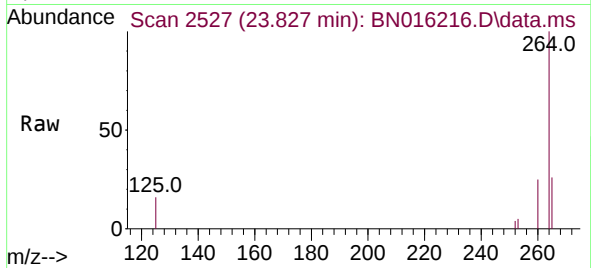




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.827 min Scan# 2527
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

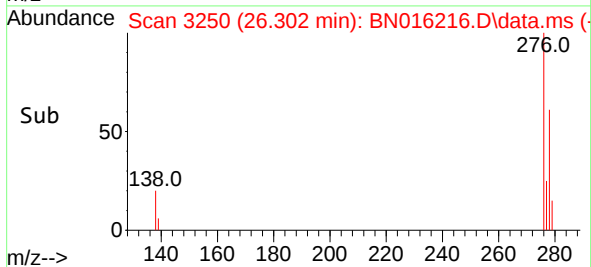
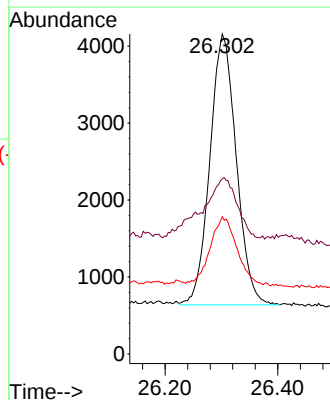
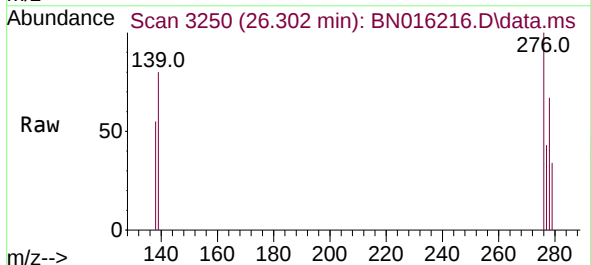
Instrument :
BNA_N
ClientSampled :
VE1-4

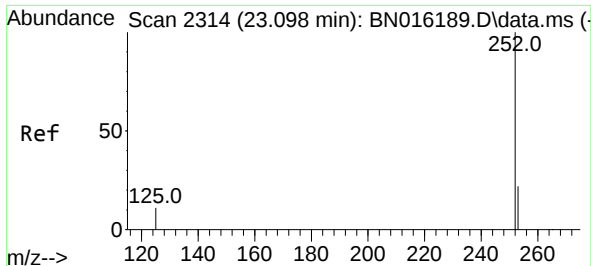
Tgt Ion:	264	Resp:	120147
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.5	29.3
265	26.4	20.2	30.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.034 ng
RT: 26.302 min Scan# 3250
Delta R.T. -0.003 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:	276	Resp:	11454
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.5	29.3
277	25.3	20.2	30.4

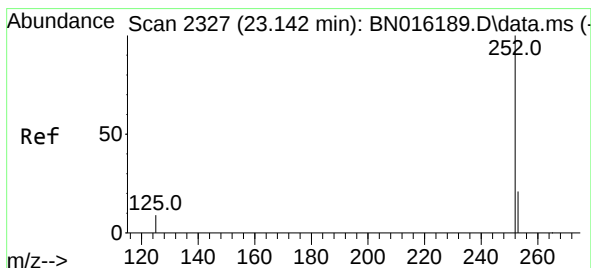
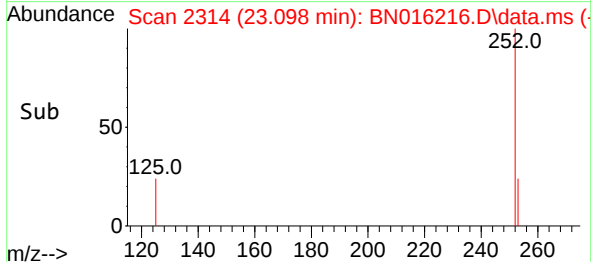
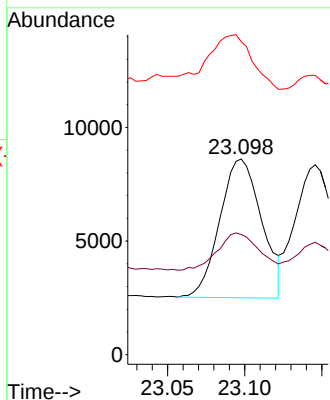
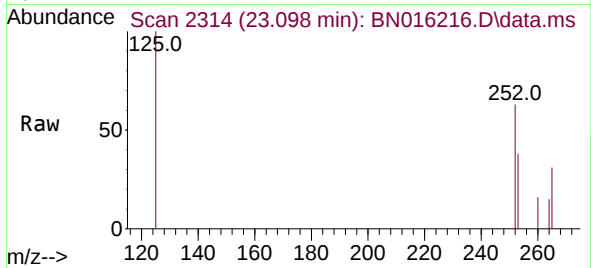




#37
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 23.098 min Scan# 2314
Delta R.T. 0.000 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

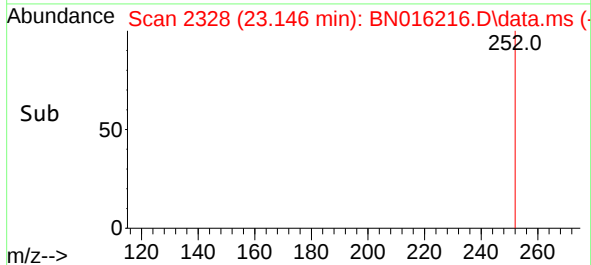
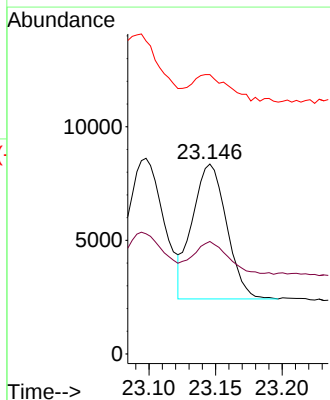
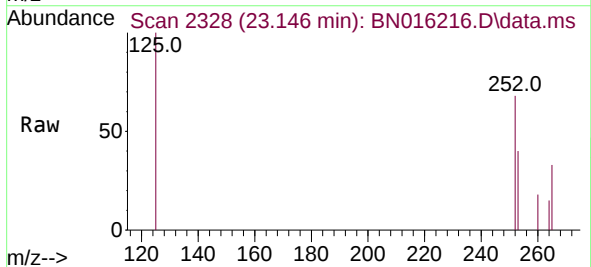
Instrument :
BNA_N
ClientSampleId :
VE1-4

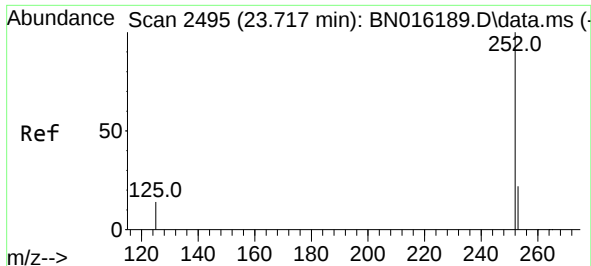
Tgt Ion:252 Resp: 11553
Ion Ratio Lower Upper
252 100
253 61.4 18.6 27.8#
125 160.0 10.5 15.7#



#38
Benzo(k)fluoranthene
Concen: 0.028 ng
RT: 23.146 min Scan# 2328
Delta R.T. 0.004 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Tgt Ion:252 Resp: 10628
Ion Ratio Lower Upper
252 100
253 59.3 18.2 27.2#
125 147.1 9.1 13.7#





#39

Benzo(a)pyrene

Concen: 0.029 ng

RT: 23.717 min Scan# 2495

Delta R.T. 0.000 min

Lab File: BN016216.D

Acq: 05 Sep 2021 06:09

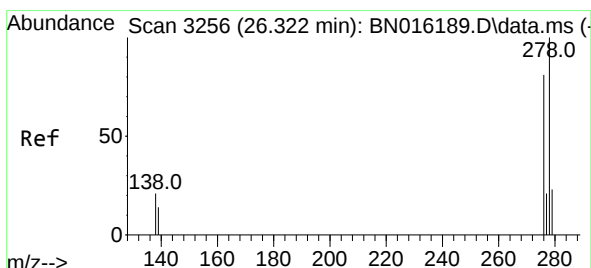
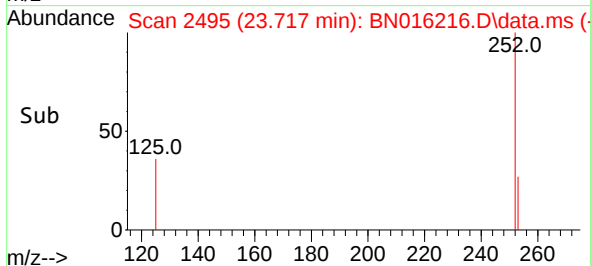
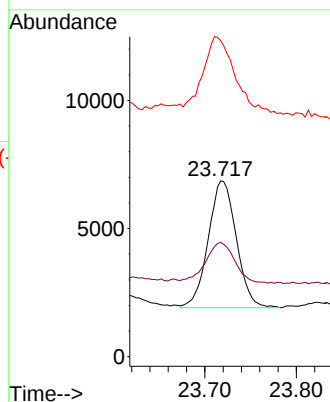
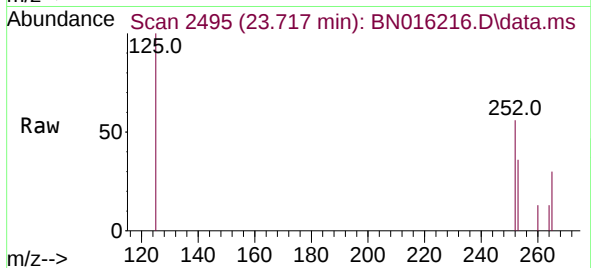
Tgt Ion:	252	Resp:	10572
Ion Ratio	Lower	Upper	
252	100		
253	65.1	19.0	28.4#
125	179.8	12.6	19.0#

Instrument :

BNA_N

ClientSampleId :

VE1-4



#40

Dibenzo(a,h)anthracene

Concen: 0.034 ng

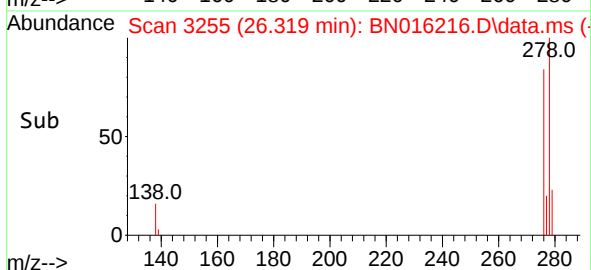
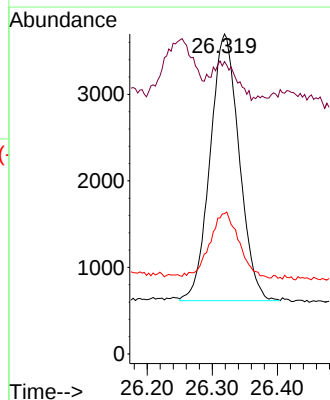
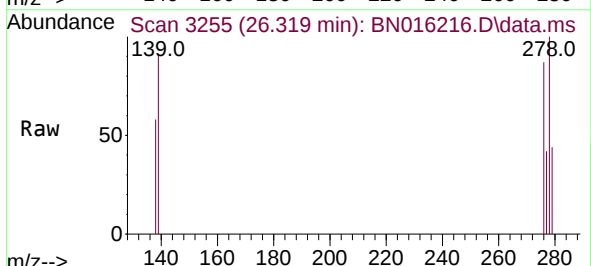
RT: 26.319 min Scan# 3255

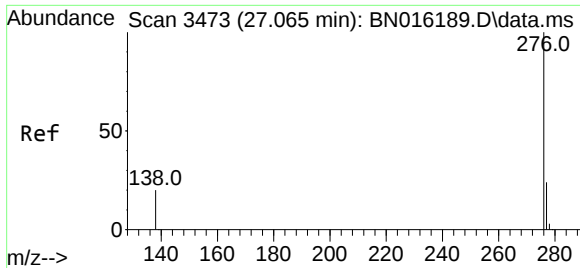
Delta R.T. -0.003 min

Lab File: BN016216.D

Acq: 05 Sep 2021 06:09

Tgt Ion:	278	Resp:	9555
Ion Ratio	Lower	Upper	
278	100		
139	91.4	14.0	21.0#
279	43.9	20.2	30.2#





#41
Benzo(g,h,i)perylene
Concen: 0.035 ng
RT: 27.061 min Scan# 3472
Delta R.T. -0.003 min
Lab File: BN016216.D
Acq: 05 Sep 2021 06:09

Instrument :
BNA_N
ClientSampleId :
VE1-4

Tgt Ion:276 Resp: 9800
Ion Ratio Lower Upper
276 100
277 42.6 20.3 30.5#
138 53.4 17.5 26.3#

