

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090421\
 Data File : BN016229.D
 Acq On : 05 Sep 2021 15:49
 Operator : CG/JU
 Sample : M3561-06
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VE4-11

Quant Time: Sep 06 06:23:48 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)

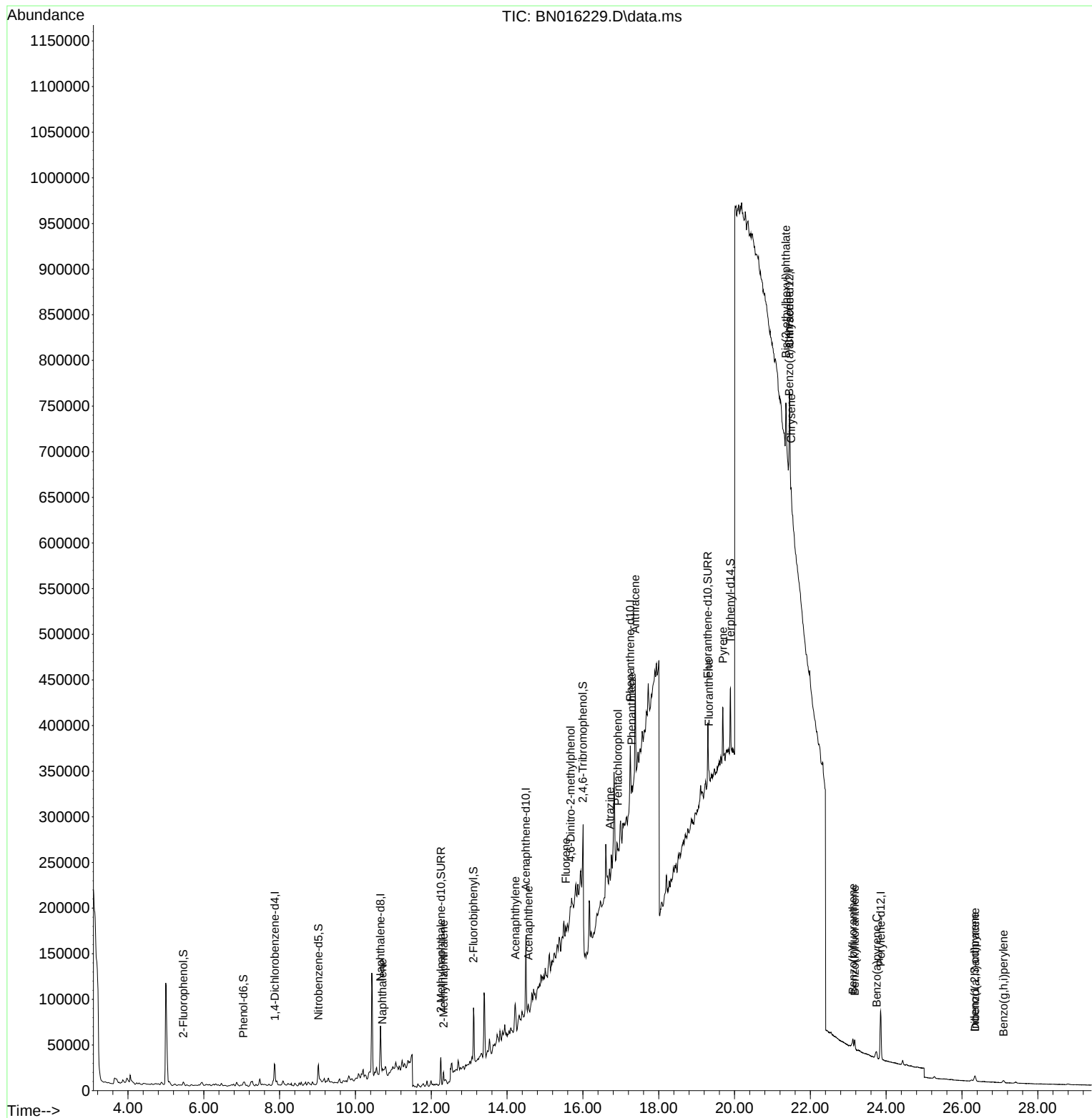
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	14128	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	72606	0.400	ng	# 0.00
13) Acenaphthene-d10	14.497	164	57216	0.400	ng	0.00
19) Phenanthrene-d10	17.249	188	100757	0.400	ng	# 0.00
29) Chrysene-d12	21.450	240	104882	0.400	ng	# 0.02
35) Perylene-d12	23.854	264	77944	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	5192	0.130	ng	0.00
5) Phenol-d6	7.043	99	3853	0.076	ng	0.00
8) Nitrobenzene-d5	9.025	82	21422	0.368	ng	0.00
11) 2-Methylnaphthalene-d10	12.252	152	40318	0.349	ng	0.00
14) 2,4,6-Tribromophenol	15.994	330	7989	0.313	ng	0.00
15) 2-Fluorobiphenyl	13.114	172	57015	0.264	ng	-0.01
27) Fluoranthene-d10	19.296	212	87463	0.289	ng	0.01
31) Terphenyl-d14	19.892	244	78623	0.297	ng	0.02
Target Compounds						
						Qvalue
9) Naphthalene	10.711	128	6633	0.035	ng	# 35
12) 2-Methylnaphthalene	12.323	142	6320	0.049	ng	# 24
16) Acenaphthylene	14.218	152	21685	0.084	ng	# 1
17) Acenaphthene	14.561	154	3809	0.023	ng	# 51
18) Fluorene	15.550	166	7830	0.038	ng	# 38
20) 4,6-Dinitro-2-methylph...	15.677	198	2132	0.507	ng	# 1
23) Atrazine	16.713	200	13625	0.253	ng	# 1
24) Pentachlorophenol	16.920	266	1076	0.403	ng	# 73
25) Phenanthrene	17.285	178	18003	0.064	ng	# 1
26) Anthracene	17.383	178	125294	0.466	ng	# 84
28) Fluoranthene	19.326	202	22212	0.066	ng	# 85
30) Pyrene	19.693	202	61990	0.181	ng	# 86
32) Benzo(a)anthracene	21.440	228	15543	0.044	ng	# 1
33) Chrysene	21.493	228	25326	0.074	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.355	149	42526	0.179	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.336	276	7574	0.035	ng	# 91
37) Benzo(b)fluoranthene	23.122	252	13873	0.052	ng	# 1
38) Benzo(k)fluoranthene	23.170	252	13734	0.056	ng	# 1
39) Benzo(a)pyrene	23.748	252	11337	0.048	ng	# 1
40) Dibenzo(a,h)anthracene	26.349	278	6248	0.035	ng	# 1
41) Benzo(g,h,i)perylene	27.096	276	5684	0.031	ng	# 1

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

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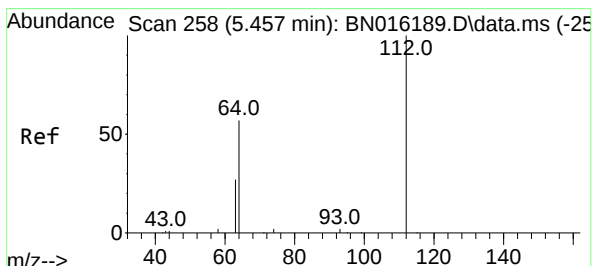
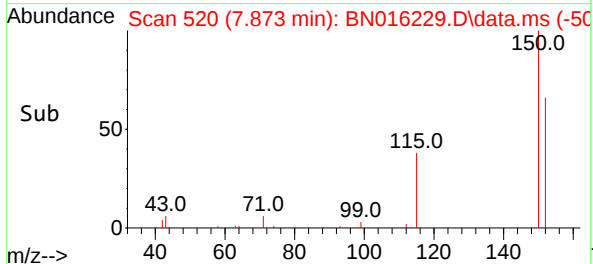
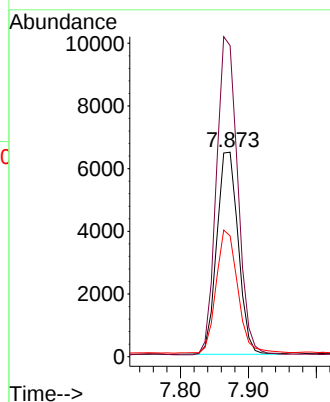
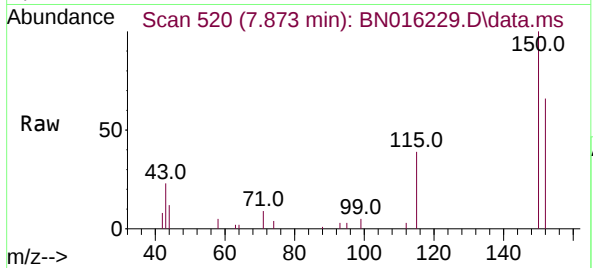




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.873 min Scan# 520
Delta R.T. -0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

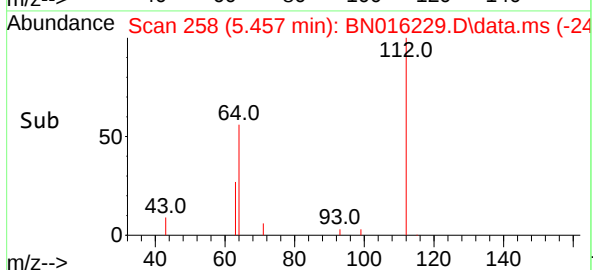
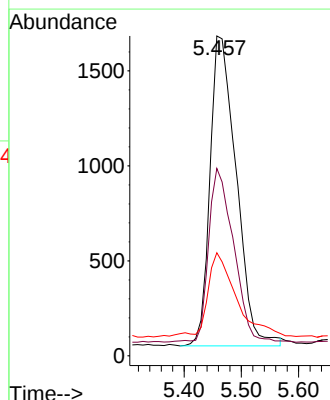
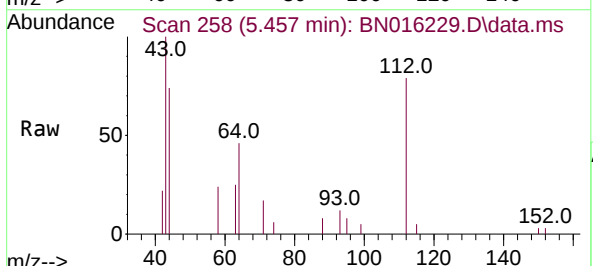
Instrument :
BNA_N
ClientSampled :
VE4-11

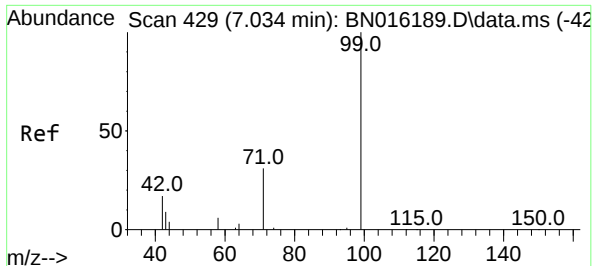
Tgt Ion:152 Resp: 14128
Ion Ratio Lower Upper
152 100
150 152.0 125.3 187.9
115 59.1 48.4 72.6



#4
2-Fluorophenol
Concen: 0.130 ng
RT: 5.457 min Scan# 258
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:112 Resp: 5192
Ion Ratio Lower Upper
112 100
64 52.7 46.8 70.2
63 28.5 22.7 34.1

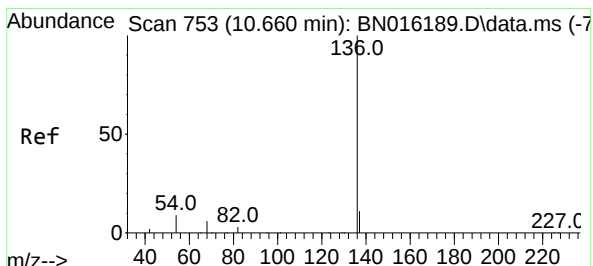
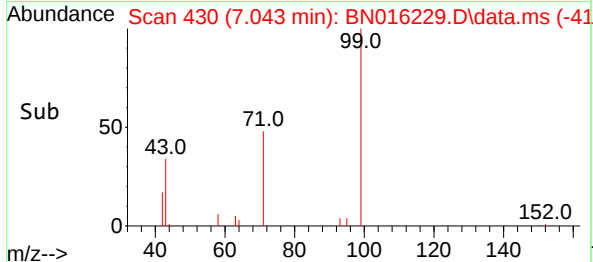
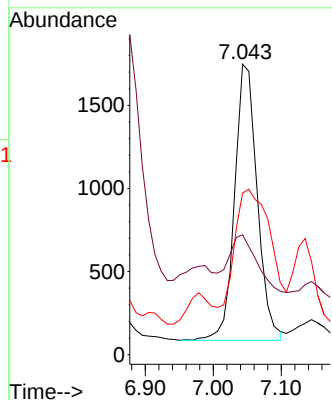
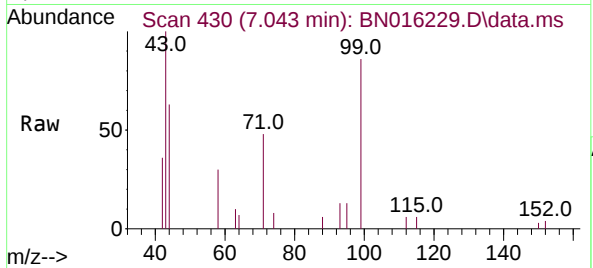




#5
Phenol-d6
Concen: 0.076 ng
RT: 7.043 min Scan# 430
Delta R.T. 0.009 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

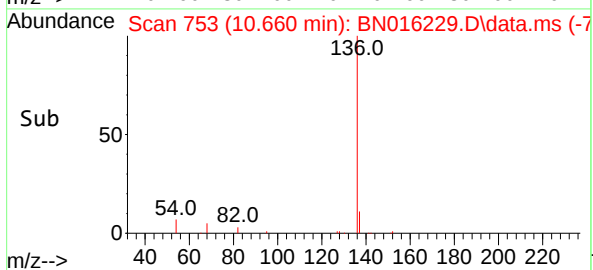
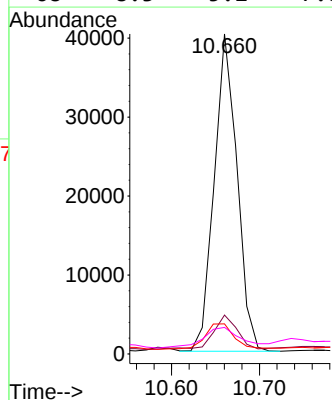
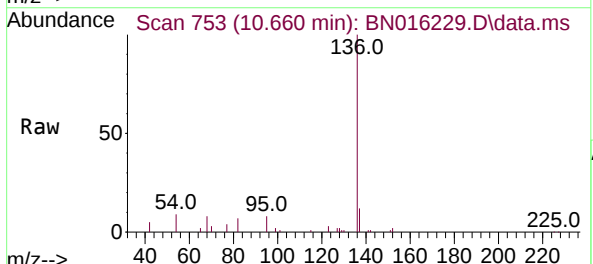
Instrument :
BNA_N
ClientSampleId :
VE4-11

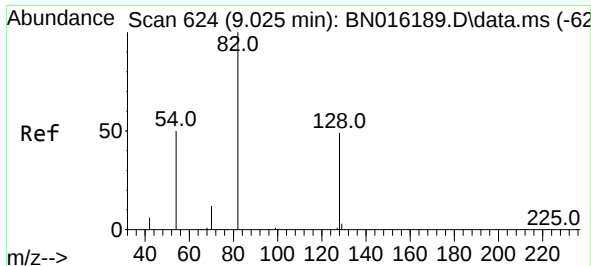
Tgt Ion: 99 Resp: 3853
Ion Ratio Lower Upper
99 100
42 24.2 13.8 20.6#
71 62.7 24.3 36.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion: 136 Resp: 72606
Ion Ratio Lower Upper
136 100
137 12.1 8.9 13.3
54 9.4 7.2 10.8
68 8.3 5.2 7.8#

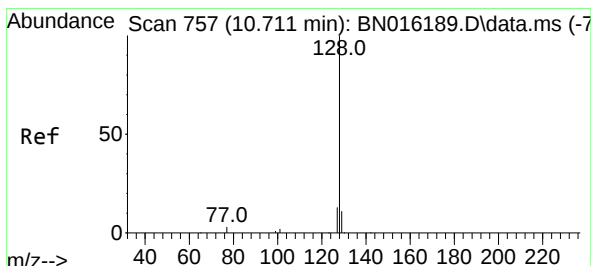
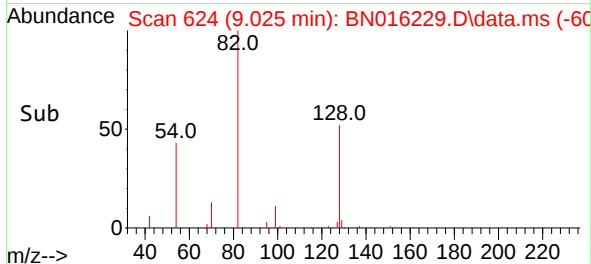
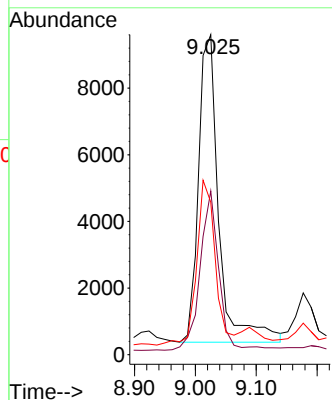
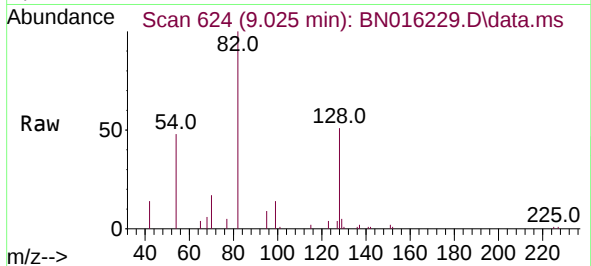




#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 9.025 min Scan# 624
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

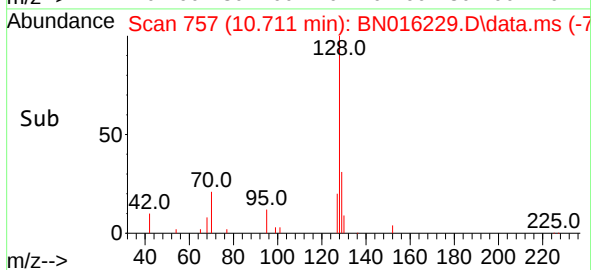
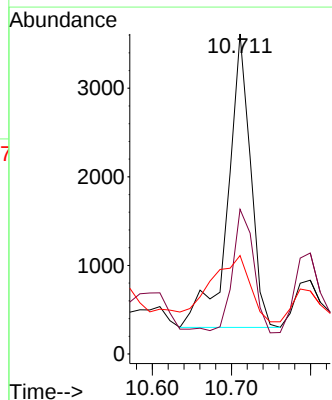
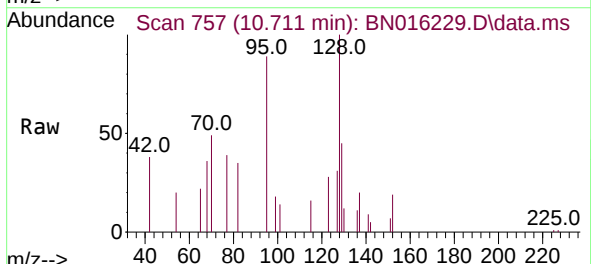
Instrument :
BNA_N
ClientSampleId :
VE4-11

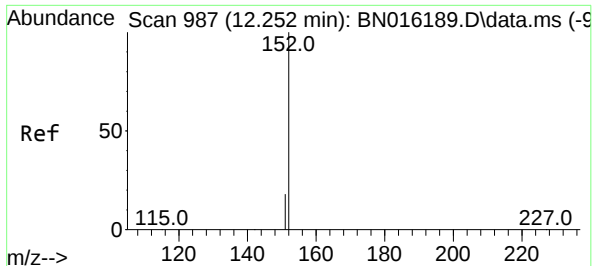
Tgt Ion: 82 Resp: 21422
Ion Ratio Lower Upper
82 100
128 51.1 39.3 58.9
54 47.7 40.2 60.4



#9
Naphthalene
Concen: 0.035 ng
RT: 10.711 min Scan# 757
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion: 128 Resp: 6633
Ion Ratio Lower Upper
128 100
129 45.2 8.9 13.3#
127 30.8 10.4 15.6#

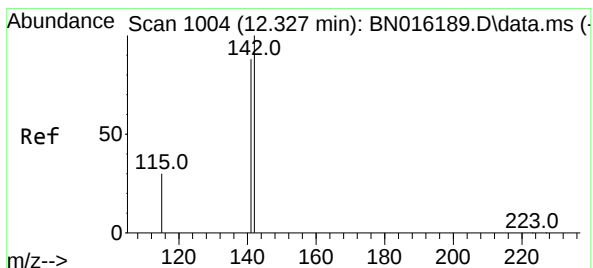
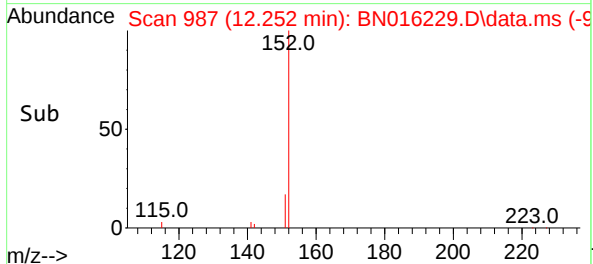
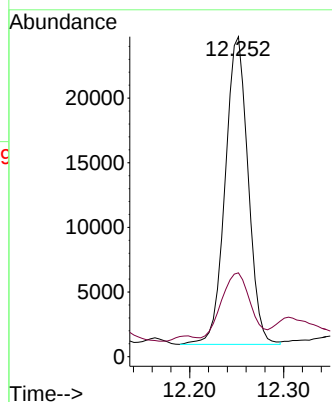
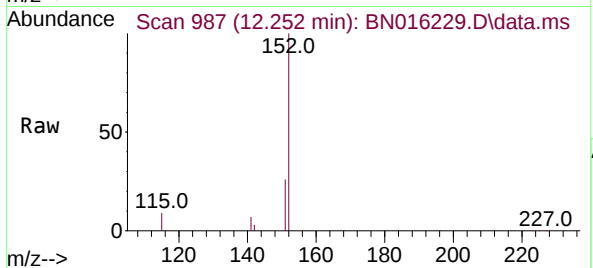




#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.252 min Scan# 987
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

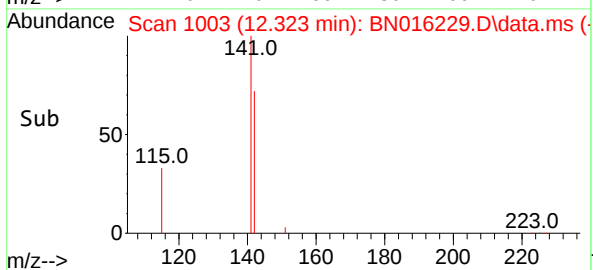
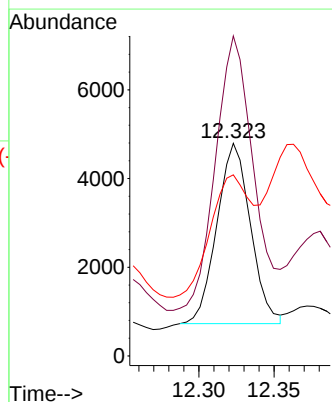
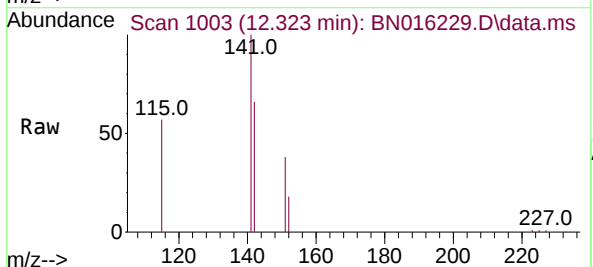
Instrument :
BNA_N
ClientSampleId :
VE4-11

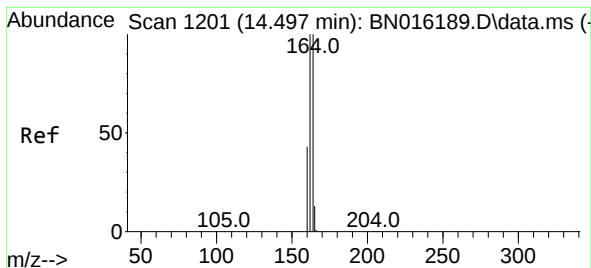
Tgt Ion:152 Resp: 40318
Ion Ratio Lower Upper
152 100
151 26.2 16.2 24.2#



#12
2-Methylnaphthalene
Concen: 0.049 ng
RT: 12.323 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:142 Resp: 6320
Ion Ratio Lower Upper
142 100
141 150.4 70.4 105.6#
115 85.2 24.4 36.6#

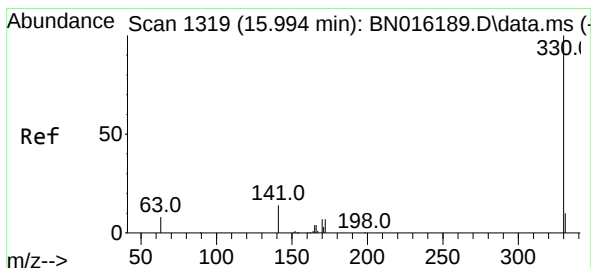
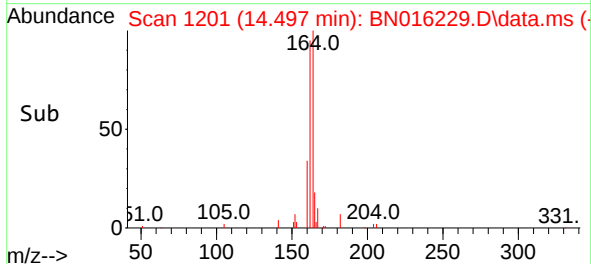
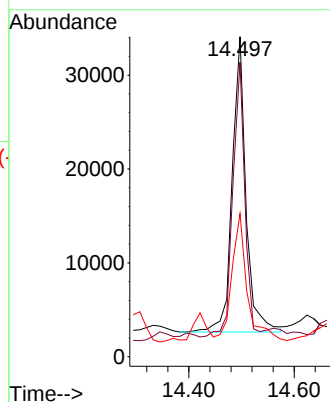
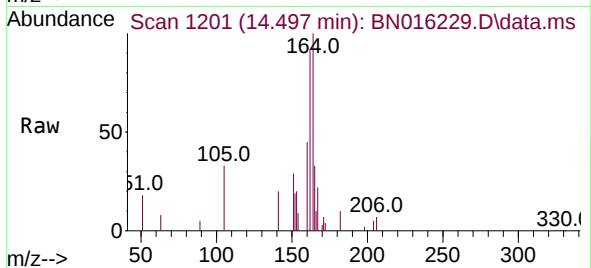




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.497 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

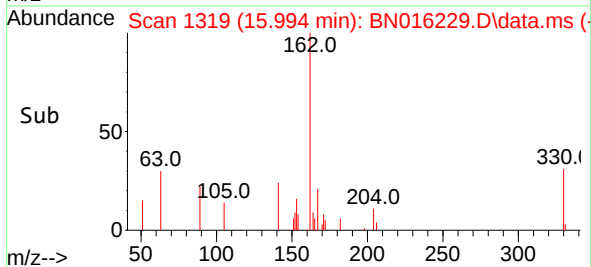
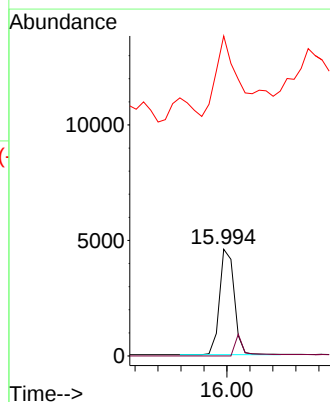
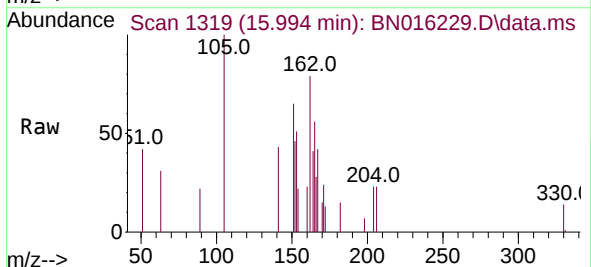
Instrument :
BNA_N
ClientSampleId :
VE4-11

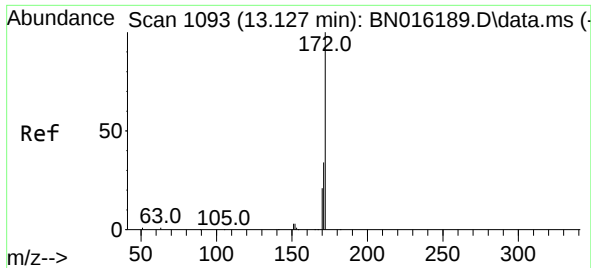
Tgt Ion:164 Resp: 57216
Ion Ratio Lower Upper
164 100
162 92.0 79.8 119.6
160 44.7 34.2 51.4



#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.994 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:330 Resp: 7989
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 112.2 25.4 38.2#

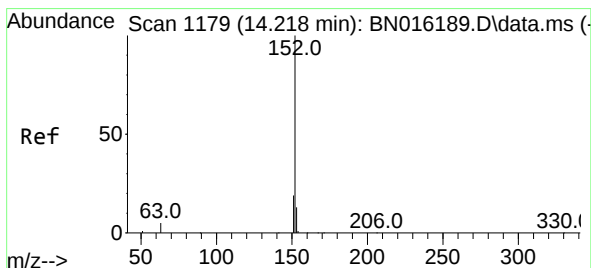
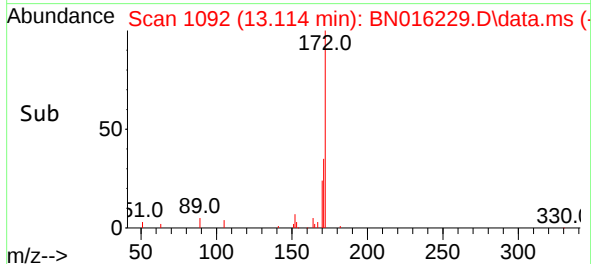
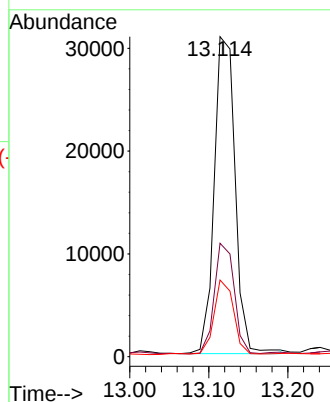
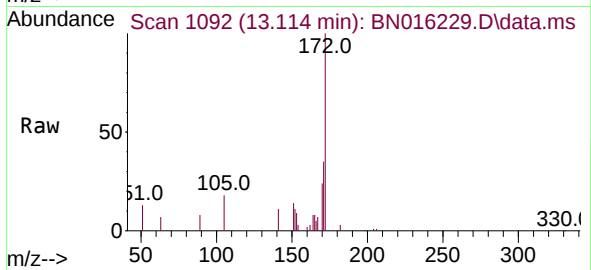




#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 13.114 min Scan# 1092
Delta R.T. -0.013 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

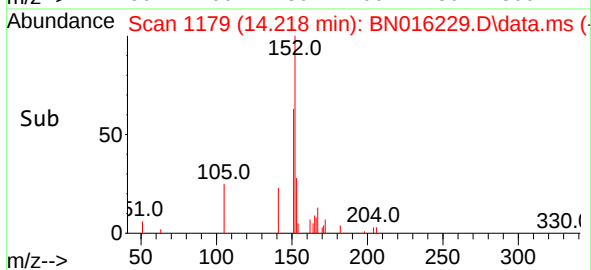
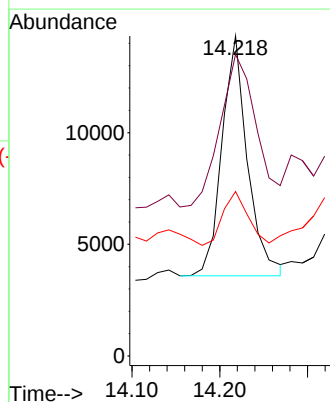
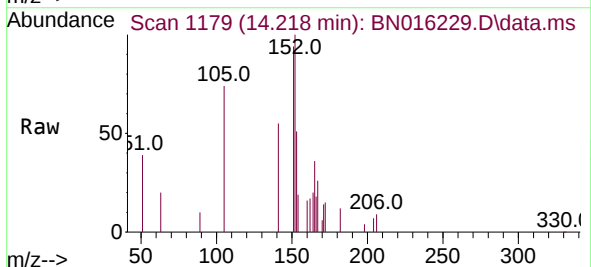
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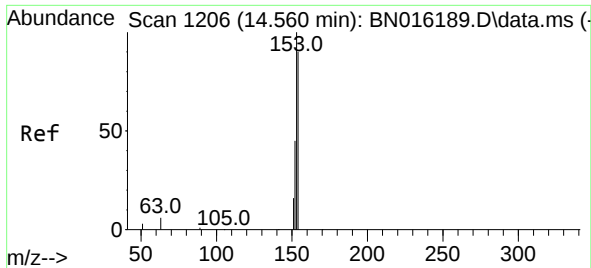
Tgt Ion:172	Resp:	57015
Ion Ratio	Lower	Upper
172	100	
171	35.5	26.9 40.3
170	23.9	17.1 25.7



#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.218 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:152	Resp:	21685
Ion Ratio	Lower	Upper
152	100	
151	90.4	15.3 22.9#
153	22.2	10.4 15.6#

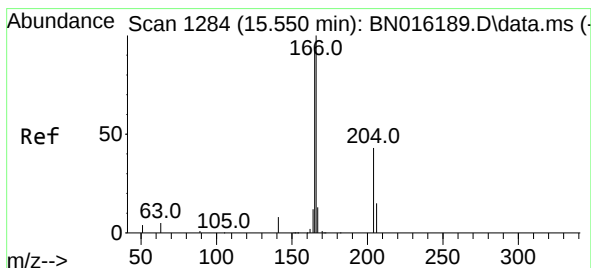
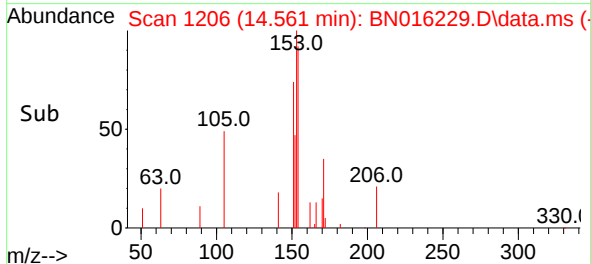
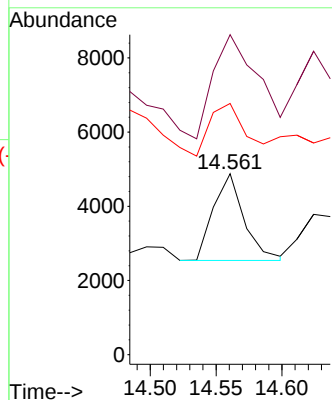
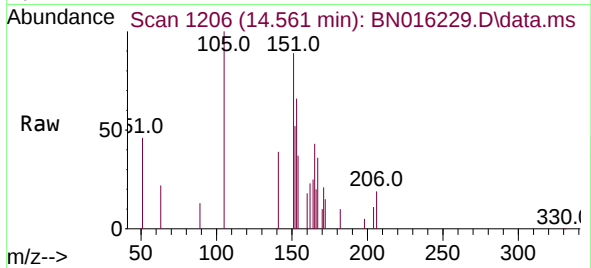




#17
Acenaphthene
Concen: 0.023 ng
RT: 14.561 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

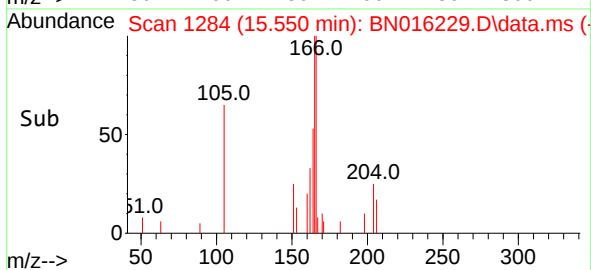
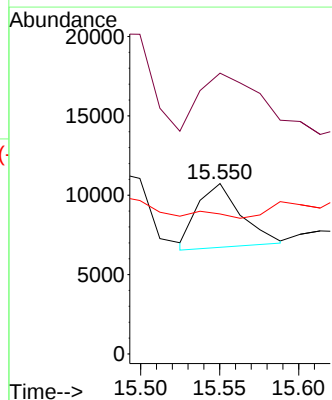
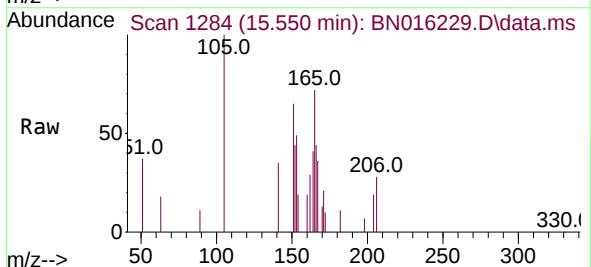
Instrument :
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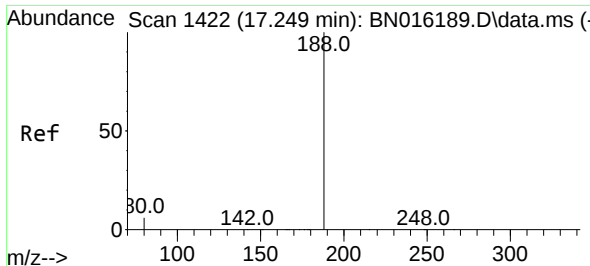
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Ion Ratio Lower Upper
154 100
153 176.1 89.1 133.7#
152 68.9 41.2 61.8#



#18
Fluorene
Concen: 0.038 ng
RT: 15.550 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:166 Resp: 7830
Ion Ratio Lower Upper
166 100
165 160.9 77.0 115.6#
167 0.0 10.9 16.3#

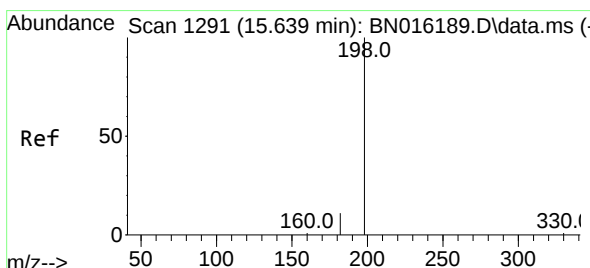
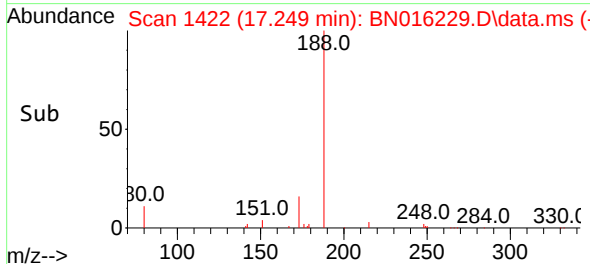
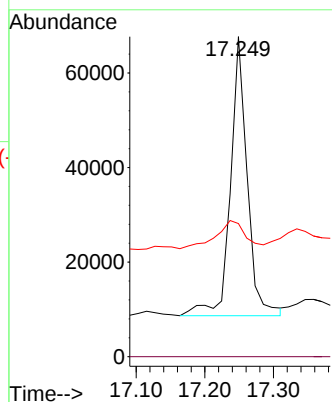
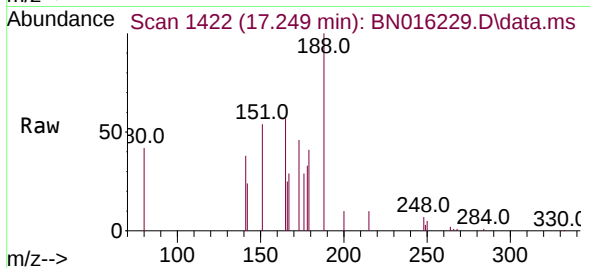




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

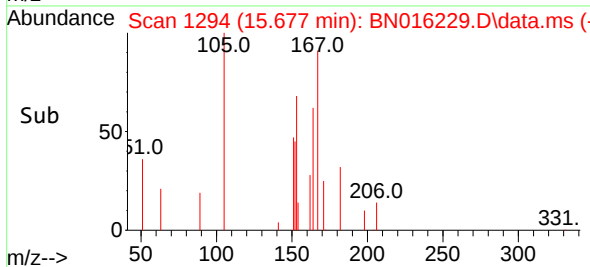
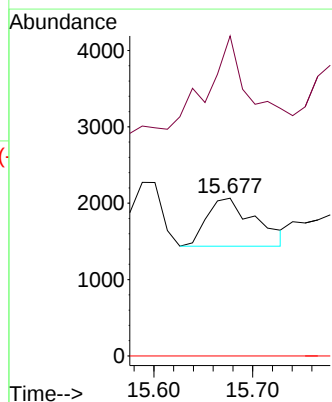
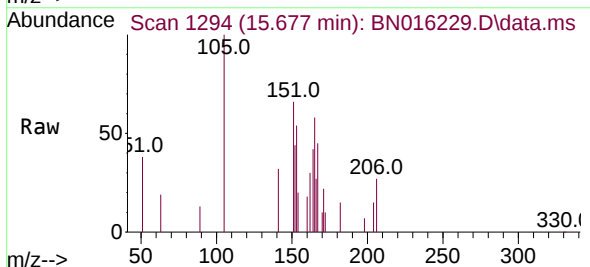
Instrument :
BNA_N
ClientSampleId :
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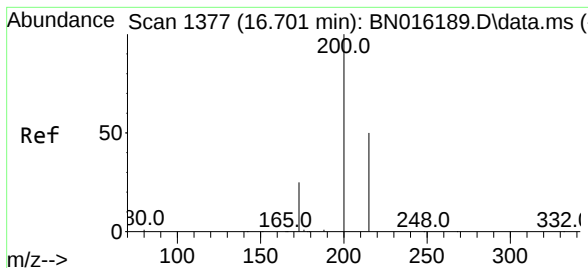
Tgt Ion:188 Resp: 100757
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 41.6 5.0 7.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.507 ng
RT: 15.677 min Scan# 1294
Delta R.T. 0.038 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:198 Resp: 2132
Ion Ratio Lower Upper
198 100
182 202.9 28.8 43.2#
77 0.0 0.0 0.0

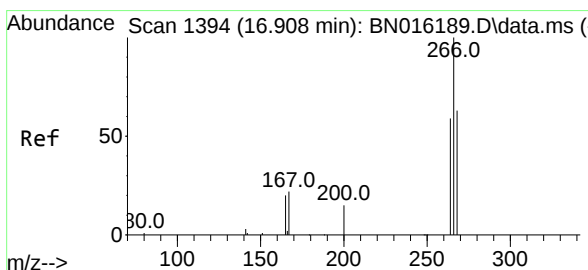
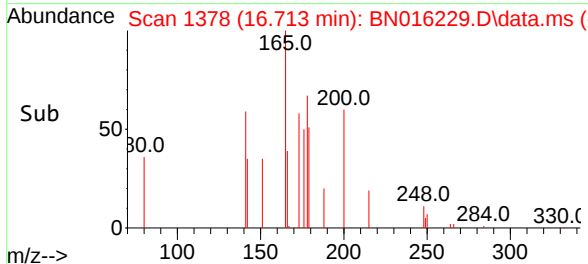
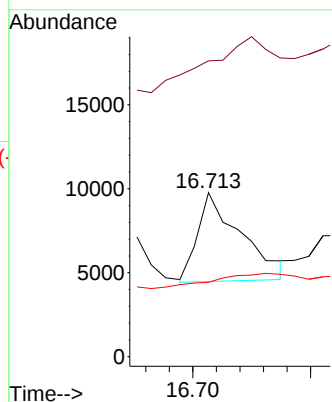
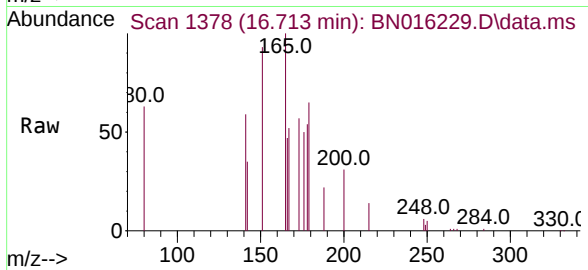




#23
Atrazine
Concen: 0.253 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.012 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

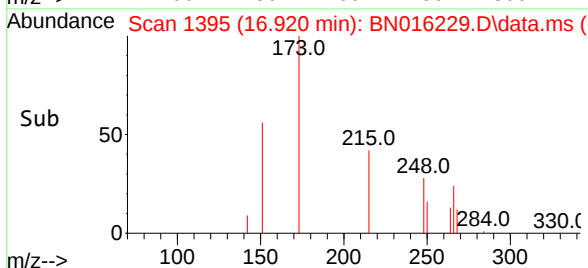
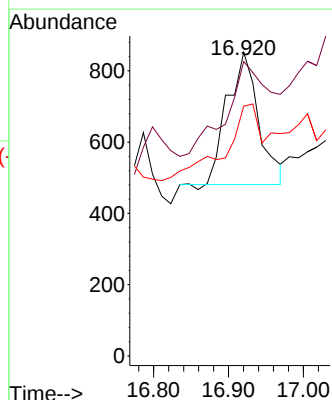
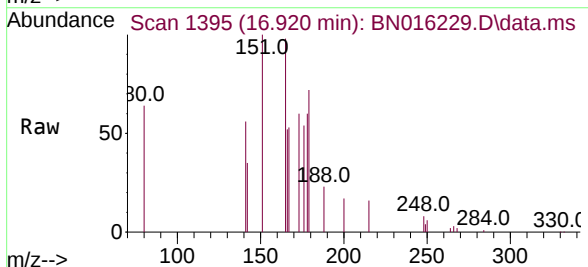
Instrument :
BNA_N
ClientSampled :
VE4-11

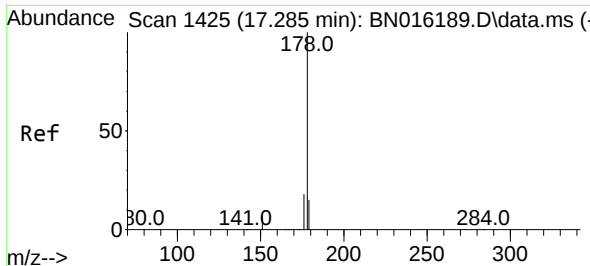
Tgt Ion:200 Resp: 13625
Ion Ratio Lower Upper
200 100
173 180.4 20.6 31.0#
215 45.4 40.5 60.7



#24
Pentachlorophenol
Concen: 0.403 ng
RT: 16.920 min Scan# 1395
Delta R.T. 0.012 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:266 Resp: 1076
Ion Ratio Lower Upper
266 100
264 104.0 50.4 75.6#
268 60.9 49.6 74.4

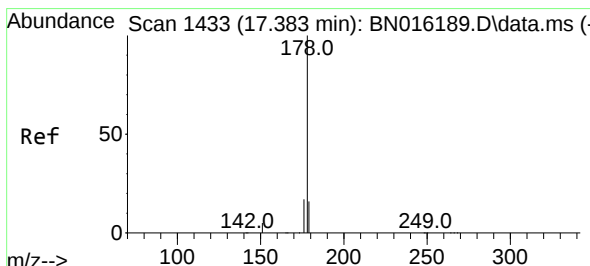
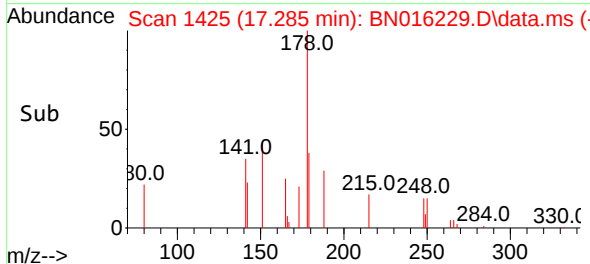
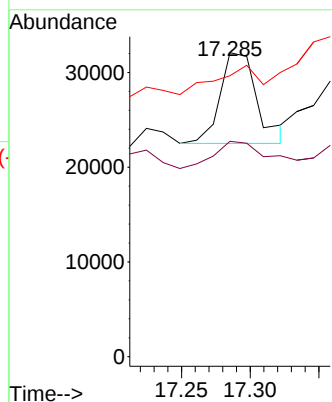
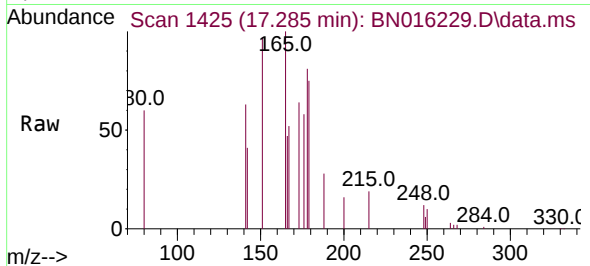




#25
Phenanthrene
Concen: 0.064 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

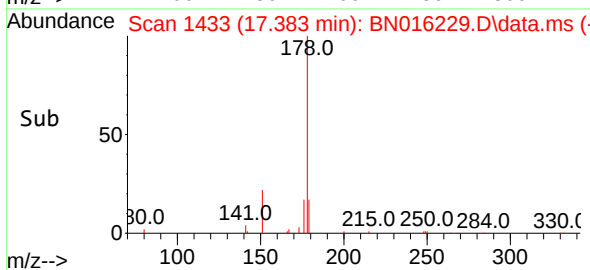
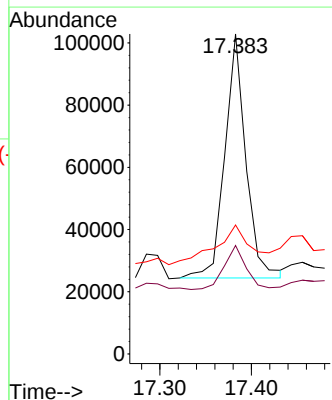
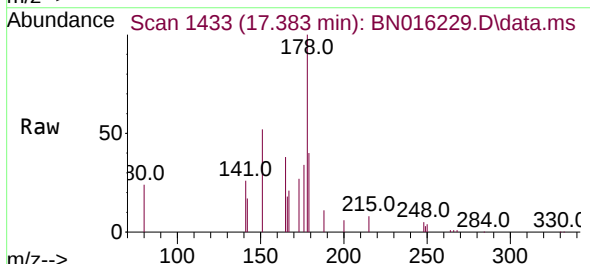
Instrument :
BNA_N
ClientSampleId :
VE4-11

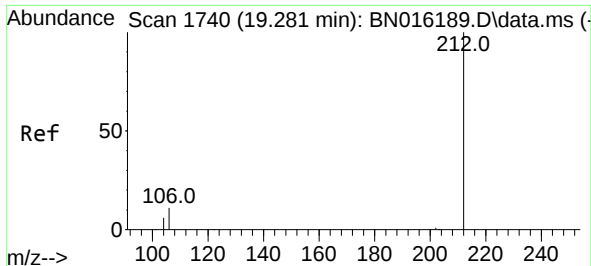
Tgt Ion:178 Resp: 18003
Ion Ratio Lower Upper
178 100
176 44.1 14.5 21.7#
179 153.0 12.3 18.5#



#26
Anthracene
Concen: 0.466 ng
RT: 17.383 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:178 Resp: 125294
Ion Ratio Lower Upper
178 100
176 18.8 13.8 20.8
179 27.7 12.4 18.6#

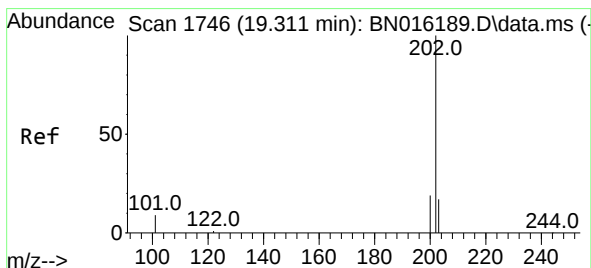
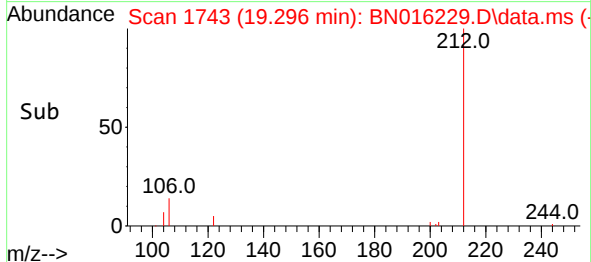
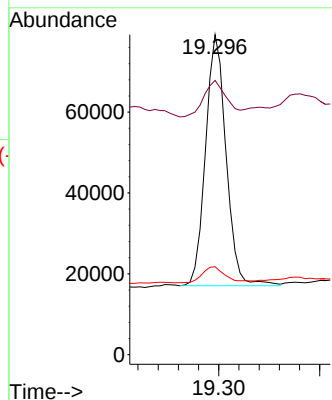
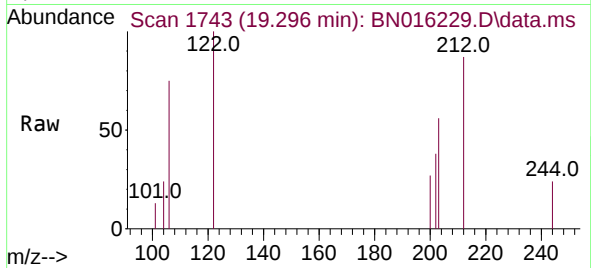




#27
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.296 min Scan# 1743
Delta R.T. 0.015 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

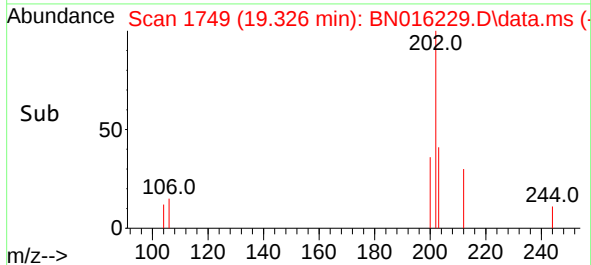
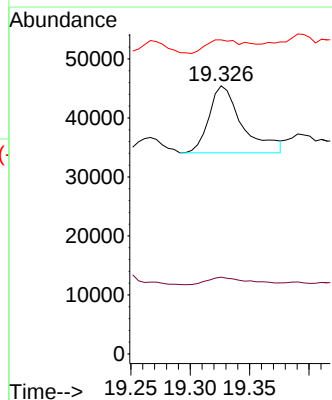
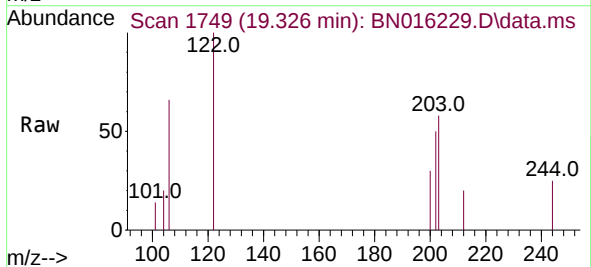
Instrument :
BNA_N
ClientSampleId :
VE4-11

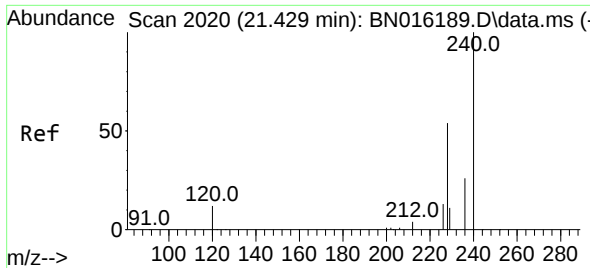
Tgt Ion:212 Resp: 87463
Ion Ratio Lower Upper
212 100
106 16.1 9.7 14.5#
104 7.0 5.4 8.0



#28
Fluoranthene
Concen: 0.066 ng
RT: 19.326 min Scan# 1749
Delta R.T. 0.015 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:202 Resp: 22212
Ion Ratio Lower Upper
202 100
101 13.7 8.4 12.6#
203 25.3 13.8 20.8#

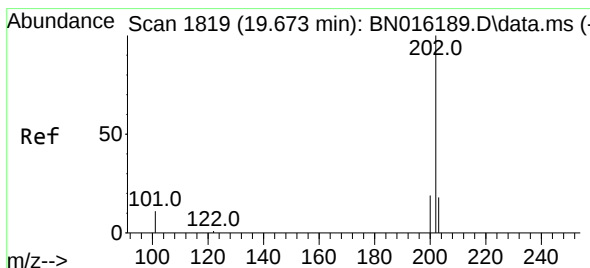
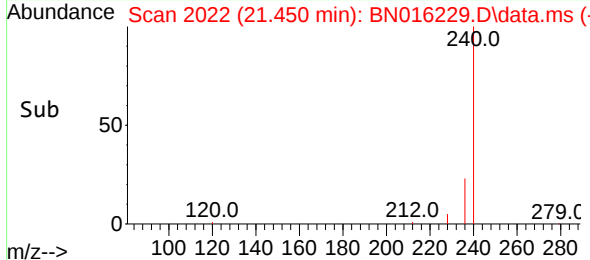
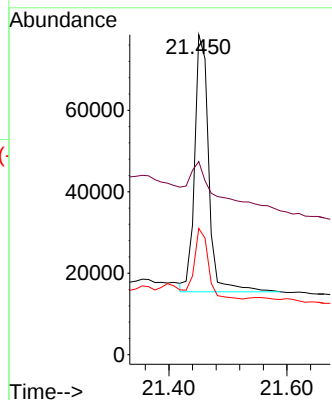
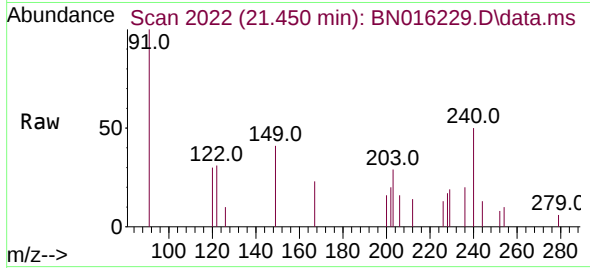




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.450 min Scan# 2022
Delta R.T. 0.021 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

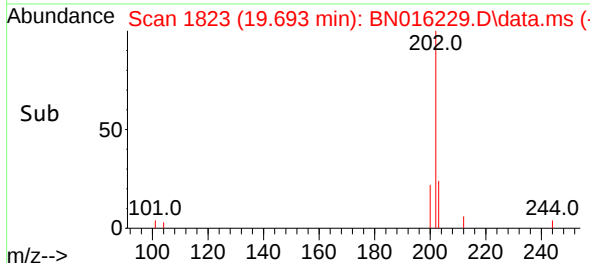
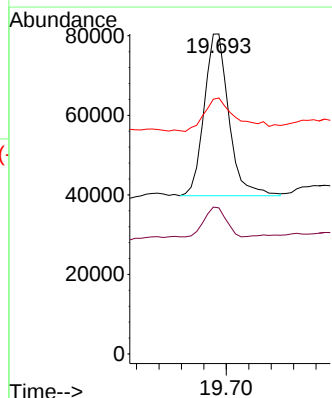
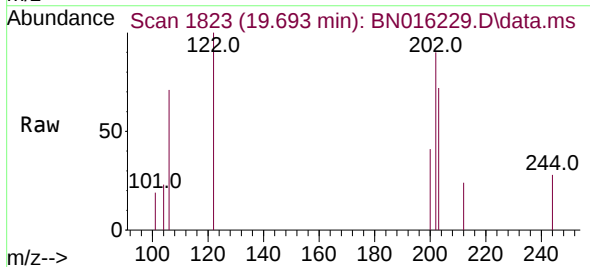
Instrument :
BNA_N
ClientSampleId :
VE4-11

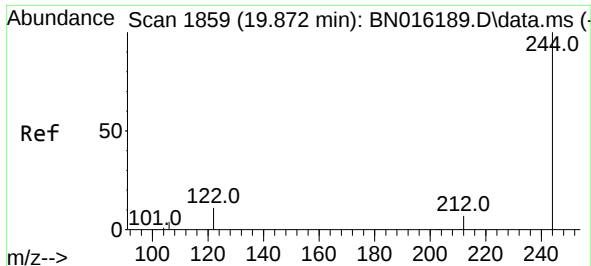
Tgt Ion:240 Resp: 104882
Ion Ratio Lower Upper
240 100
120 60.4 10.0 15.0#
236 39.5 20.9 31.3#



#30
Pyrene
Concen: 0.181 ng
RT: 19.693 min Scan# 1823
Delta R.T. 0.020 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:202 Resp: 61990
Ion Ratio Lower Upper
202 100
200 17.9 15.8 23.8
203 28.4 14.1 21.1#

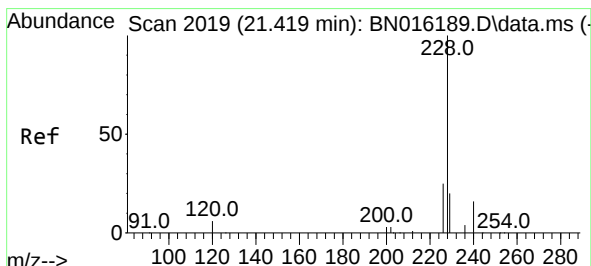
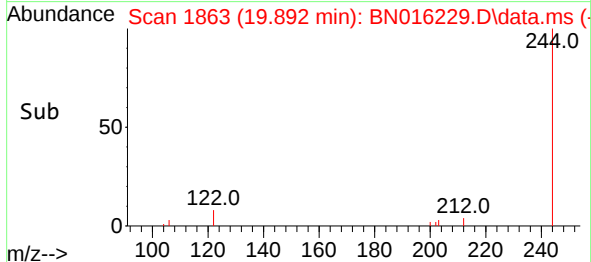
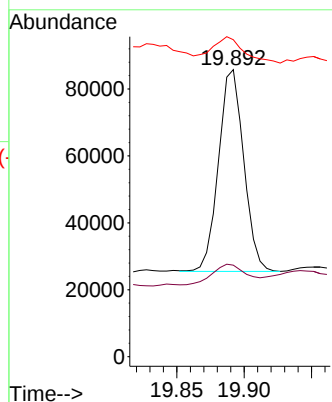
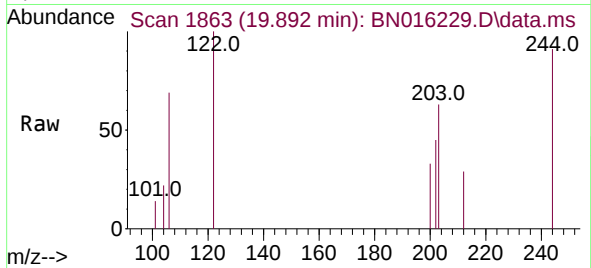




#31
 Terphenyl-d14
 Concen: 0.297 ng
 RT: 19.892 min Scan# 1863
 Delta R.T. 0.020 min
 Lab File: BN016229.D
 Acq: 05 Sep 2021 15:49

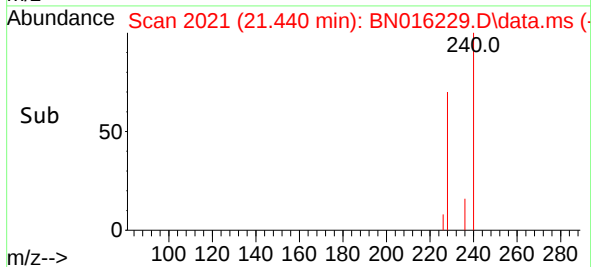
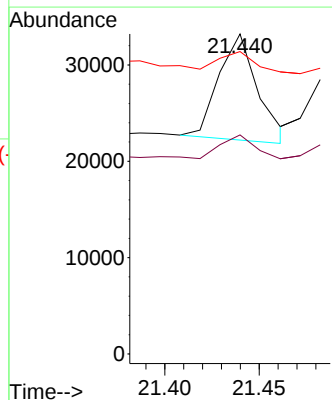
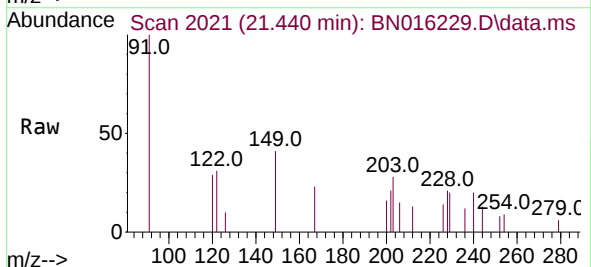
Instrument :
 BNA_N
 ClientSampleId :
 VE4-11

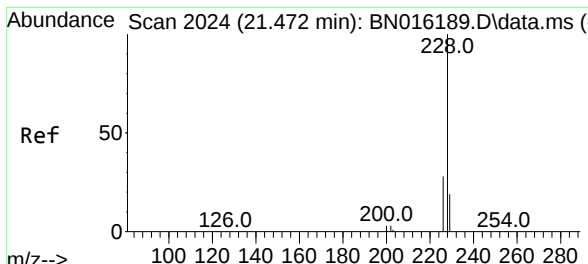
Tgt Ion:244 Resp: 78623
 Ion Ratio Lower Upper
 244 100
 212 31.9 5.5 8.3#
 122 110.4 9.0 13.4#



#32
 Benzo(a)anthracene
 Concen: 0.044 ng
 RT: 21.440 min Scan# 2021
 Delta R.T. 0.021 min
 Lab File: BN016229.D
 Acq: 05 Sep 2021 15:49

Tgt Ion:228 Resp: 15543
 Ion Ratio Lower Upper
 228 100
 226 68.5 20.5 30.7#
 229 94.5 16.2 24.4#

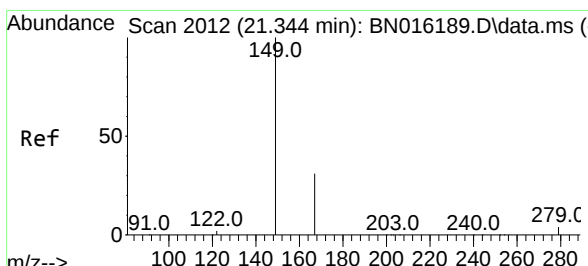
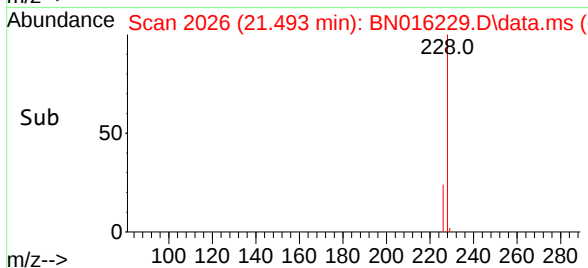
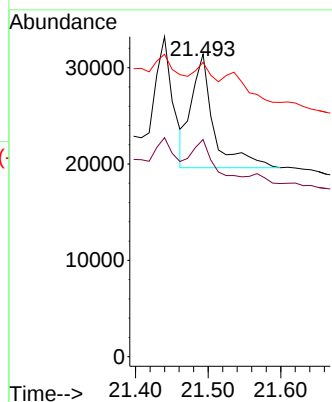
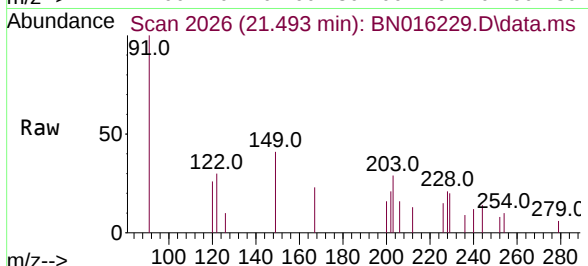




#33
Chrysene
Concen: 0.074 ng
RT: 21.493 min Scan# 2026
Delta R.T. 0.021 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

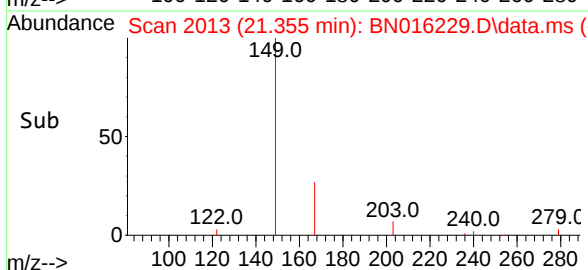
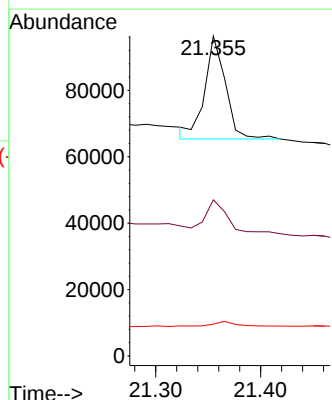
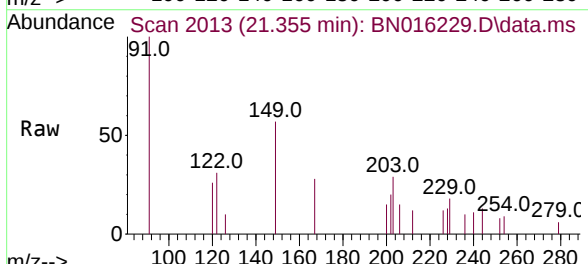
Instrument :
BNA_N
ClientSampleId :
VE4-11

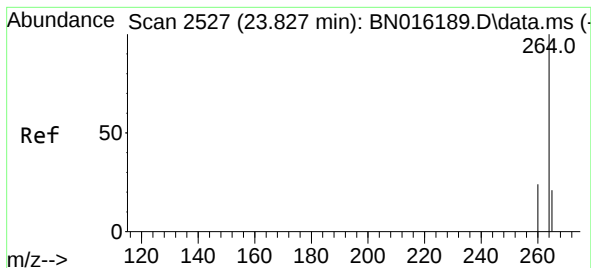
Tgt Ion:228 Resp: 25326
Ion Ratio Lower Upper
228 100
226 71.7 22.5 33.7#
229 97.2 16.0 24.0#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.179 ng
RT: 21.355 min Scan# 2013
Delta R.T. 0.011 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:149 Resp: 42526
Ion Ratio Lower Upper
149 100
167 35.1 24.2 36.4
279 6.1 4.0 6.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.854 min Scan# 2535

Delta R.T. 0.027 min

Lab File: BN016229.D

Acq: 05 Sep 2021 15:49

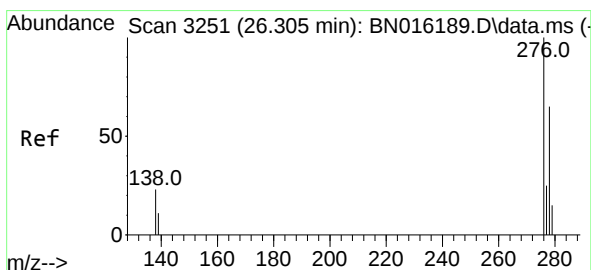
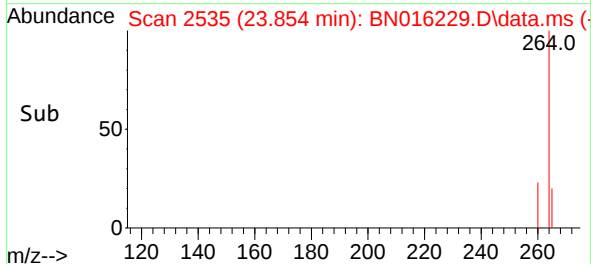
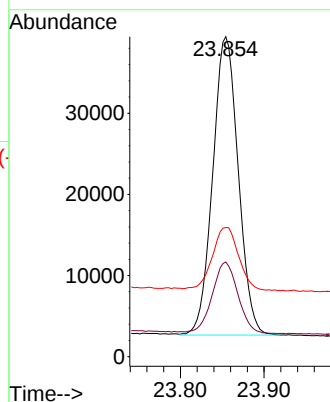
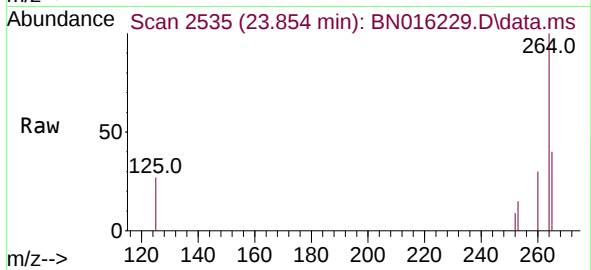
Tgt Ion:264 Resp: 77944

Ion Ratio Lower Upper

264 100

260 29.6 19.5 29.3#

265 40.4 20.2 30.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.035 ng

RT: 26.336 min Scan# 3260

Delta R.T. 0.031 min

Lab File: BN016229.D

Acq: 05 Sep 2021 15:49

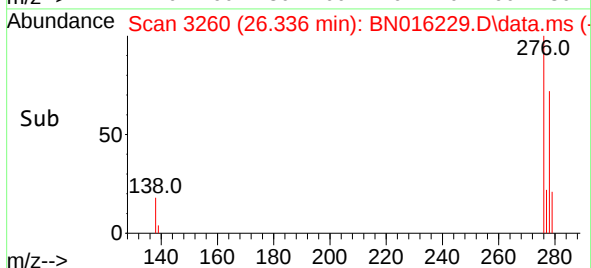
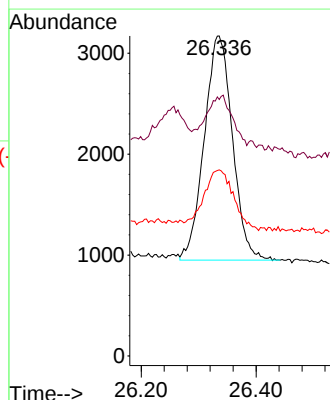
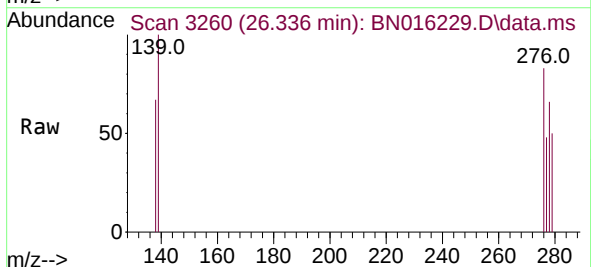
Tgt Ion:276 Resp: 7574

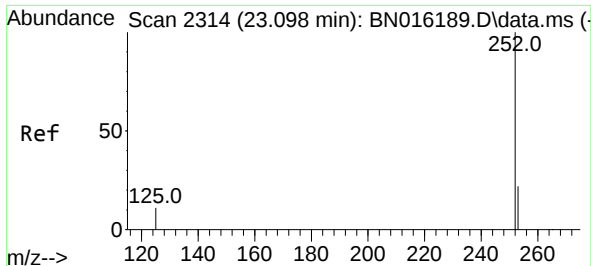
Ion Ratio Lower Upper

276 100

138 19.8 19.5 29.3

277 29.3 20.2 30.4

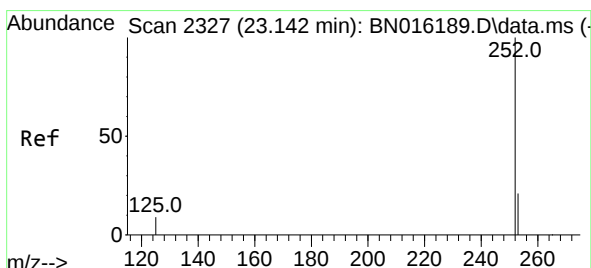
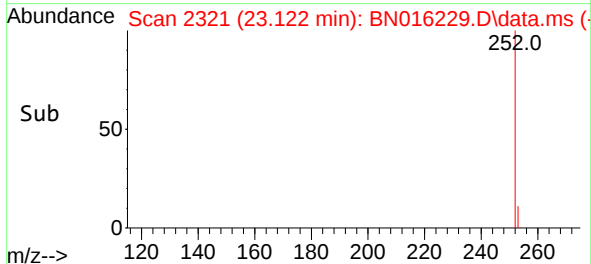
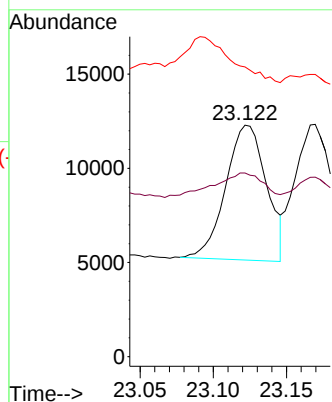
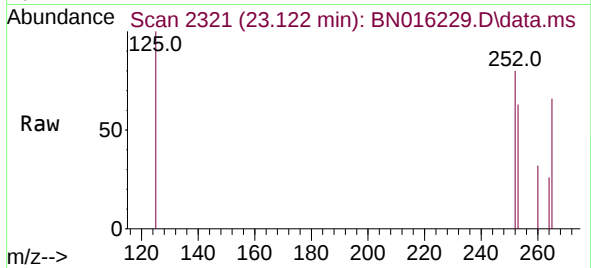




#37
Benzo(b)fluoranthene
Concen: 0.052 ng
RT: 23.122 min Scan# 2321
Delta R.T. 0.024 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

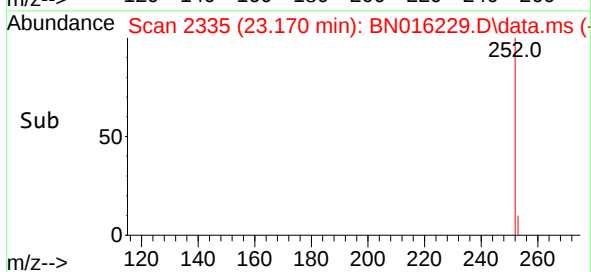
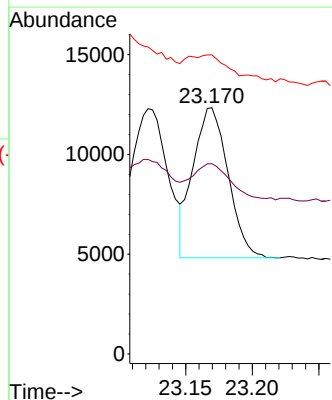
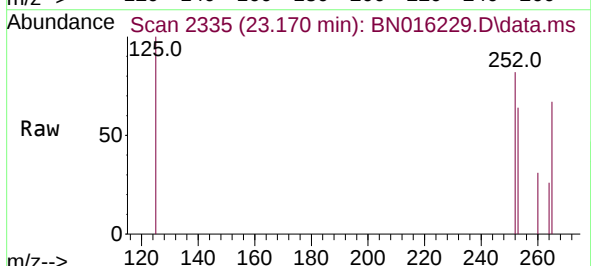
Instrument :
BNA_N
ClientSampleId :
VE4-11

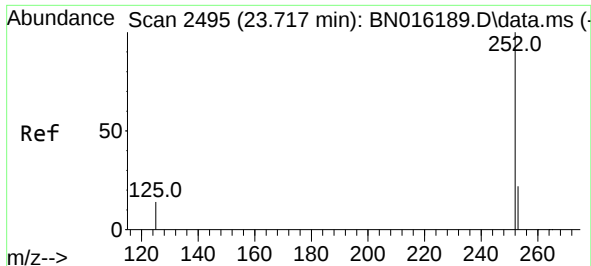
Tgt Ion:252 Resp: 13873
Ion Ratio Lower Upper
252 100
253 79.3 18.6 27.8#
125 125.2 10.5 15.7#



#38
Benzo(k)fluoranthene
Concen: 0.056 ng
RT: 23.170 min Scan# 2335
Delta R.T. 0.027 min
Lab File: BN016229.D
Acq: 05 Sep 2021 15:49

Tgt Ion:252 Resp: 13734
Ion Ratio Lower Upper
252 100
253 77.3 18.2 27.2#
125 121.5 9.1 13.7#





#39

Benzo(a)pyrene

Concen: 0.048 ng

RT: 23.748 min Scan# 2504

Delta R.T. 0.031 min

Lab File: BN016229.D

Acq: 05 Sep 2021 15:49

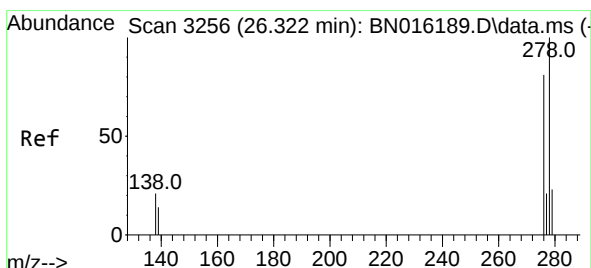
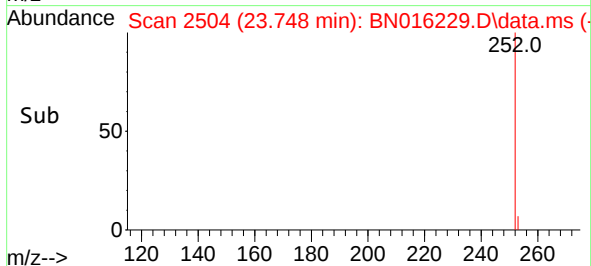
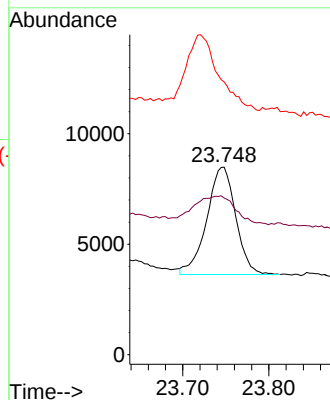
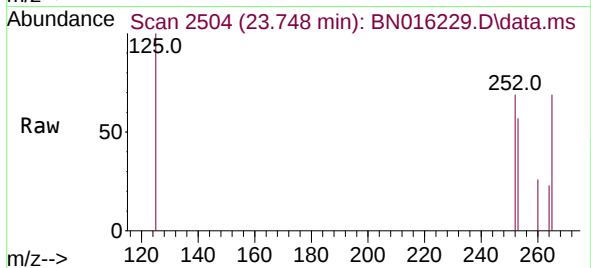
Tgt Ion:	252	Resp:	11337
Ion Ratio	Lower	Upper	
252	100		
253	83.5	19.0	28.4#
125	145.4	12.6	19.0#

Instrument :

BNA_N

ClientSampleId :

VE4-11



#40

Dibenzo(a,h)anthracene

Concen: 0.035 ng

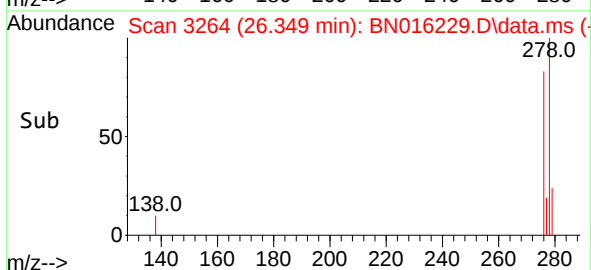
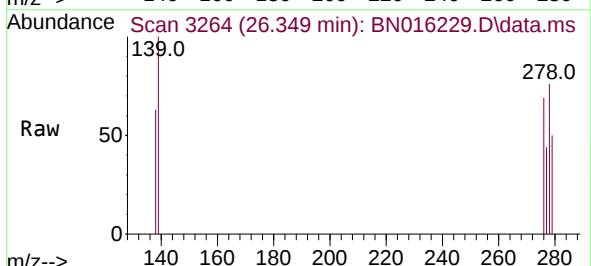
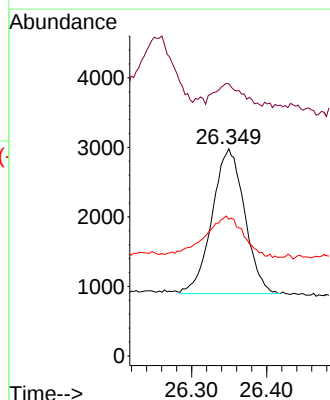
RT: 26.349 min Scan# 3264

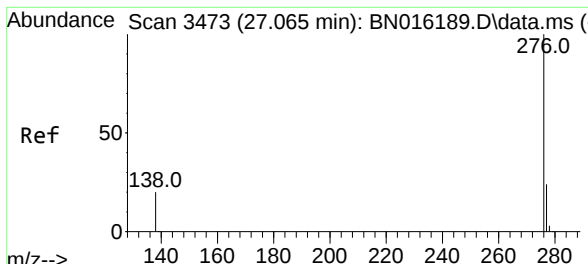
Delta R.T. 0.027 min

Lab File: BN016229.D

Acq: 05 Sep 2021 15:49

Tgt Ion:	278	Resp:	6248
Ion Ratio	Lower	Upper	
278	100		
139	131.3	14.0	21.0#
279	66.0	20.2	30.2#





#41

Benzo(g,h,i)perylene

Concen: 0.031 ng

RT: 27.096 min Scan# 3482

Delta R.T. 0.031 min

Lab File: BN016229.D

Acq: 05 Sep 2021 15:49

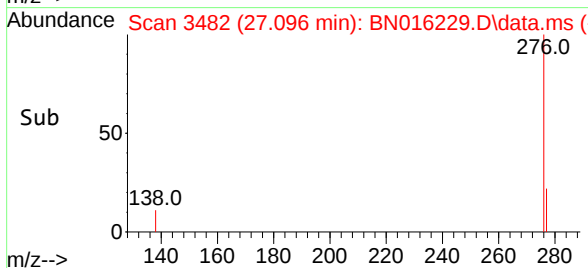
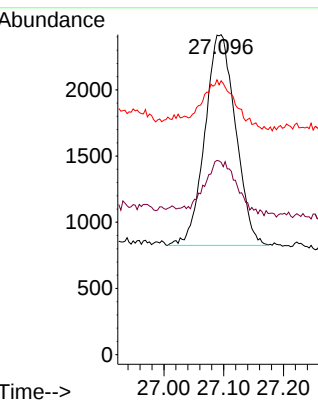
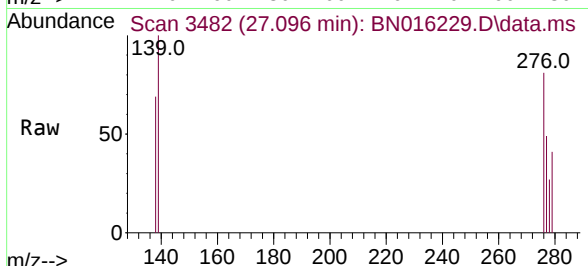
Tgt Ion: 276 Resp: 5684

Ion Ratio Lower Upper

276 100

277 60.1 20.3 30.5#

138 85.6 17.5 26.3#



Instrument :

BNA_N

ClientSampleId :

VE4-11