

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102920\
 Data File : BN012446.D
 Acq On : 29 Oct 2020 19:58
 Operator : CG/JU
 Sample : L4561-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 STOCKPILE-LOC3-SO-0003

Quant Time: Oct 30 00:55:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 28 10:32:42 2020
 Response via : Initial Calibration

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

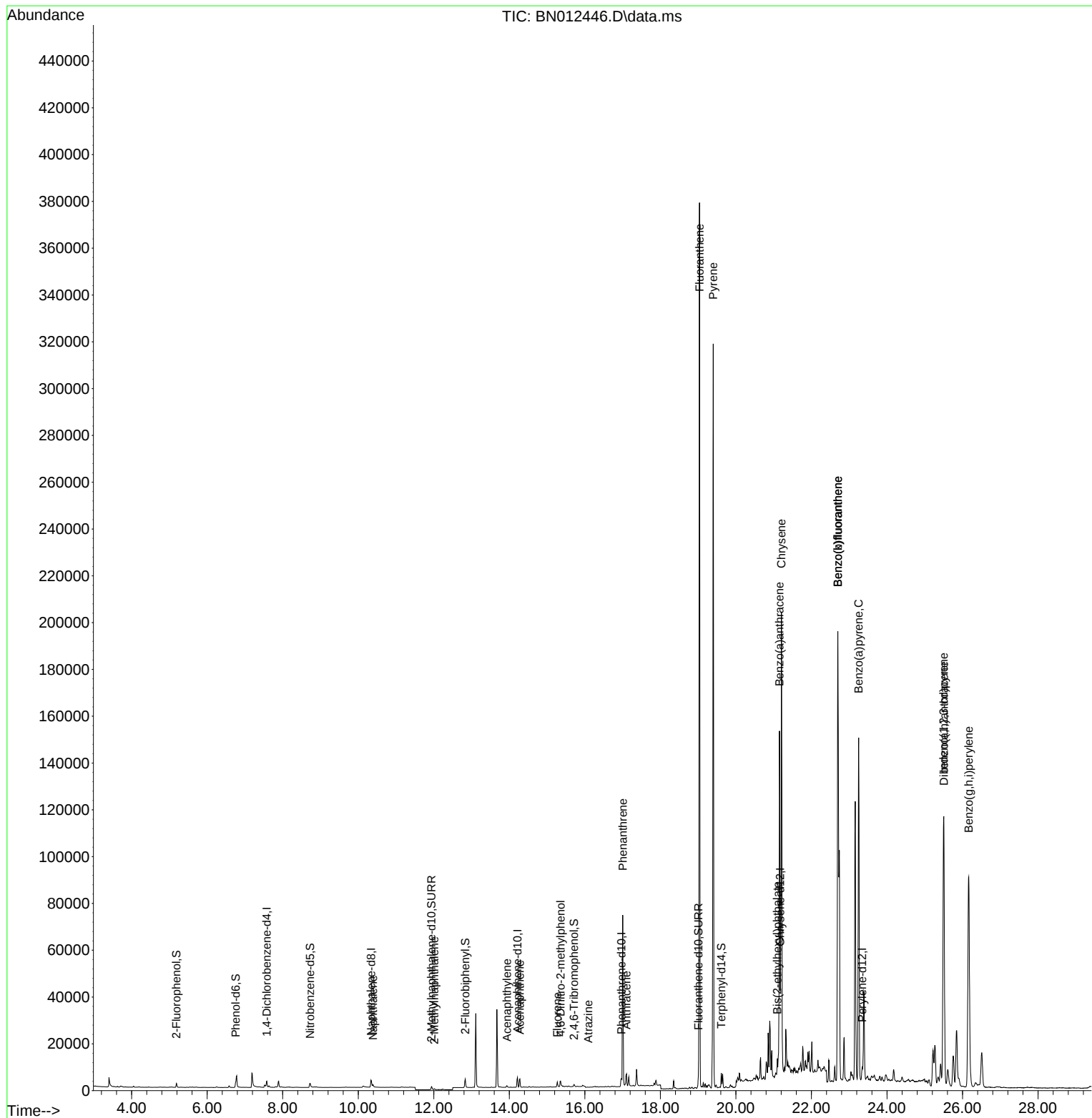
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.578	152	1189	0.40	ng	0.00
7) Naphthalene-d8	10.339	136	4893	0.40	ng	#-0.01
13) Acenaphthene-d10	14.217	164	2663	0.40	ng	0.00
19) Phenanthrene-d10	16.968	188	5363	0.40	ng	# 0.00
29) Chrysene-d12	21.174	240	6491	0.40	ng	# 0.00
36) Perylene-d12	23.343	264	7254	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.186	112	1148	0.28	ng	0.00
5) Phenol-d6	6.757	99	1537	0.31	ng	0.00
8) Nitrobenzene-d5	8.729	82	1963	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.940	152	2310	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.714	330	534	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.834	172	3660	0.37	ng	-0.01
27) Fluoranthene-d10	19.008	212	5194	0.31	ng	0.00
31) Terphenyl-d14	19.613	244	5848	0.38	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.390	128	1486	0.11	ng	# 91
12) 2-Methylnaphthalene	12.015	142	284	0.03	ng	# 77
16) Acenaphthylene	13.938	152	991	0.08	ng	# 93
17) Acenaphthene	14.281	154	1938	0.23	ng	91
18) Fluorene	15.270	166	1498	0.14	ng	100
20) 4,6-Dinitro-2-methylph...	15.359	198	29	0.02	ng	# 1
23) Atrazine	16.092	200	372	0.12	ng	# 1
25) Phenanthrene	17.005	178	69932	4.47	ng	99
26) Anthracene	17.102	178	5872	0.41	ng	# 90
28) Fluoranthene	19.037	202	321363	17.27	ng	99
30) Pyrene	19.400	202	281284	12.81	ng	# 95
32) Benzo(a)anthracene	21.152	228	129180	6.54	ng	99
33) Chrysene	21.206	228	178011	8.04	ng	98
34) Bis(2-ethylhexyl)phtha...	21.099	149	5271	0.41	ng	90
35) Indeno(1,2,3-cd)pyrene	25.500	276	175734	5.52	ng	98
37) Benzo(b)fluoranthene	22.700	252	300242	13.12	ng	97
38) Benzo(k)fluoranthene	22.700	252	300242	12.04	ng	97
39) Benzo(a)pyrene	23.251	252	187438	8.44	ng	94
40) Dibenzo(a,h)anthracene	25.507	278	36574	1.46	ng	# 96
41) Benzo(g,h,i)perylene	26.164	276	182374	6.92	ng	98

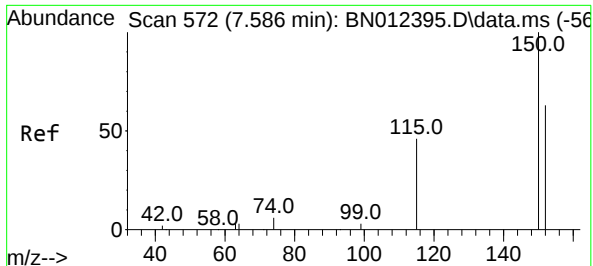
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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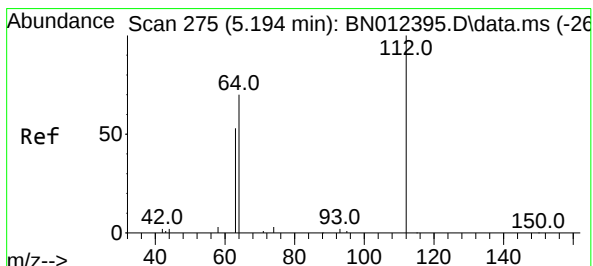
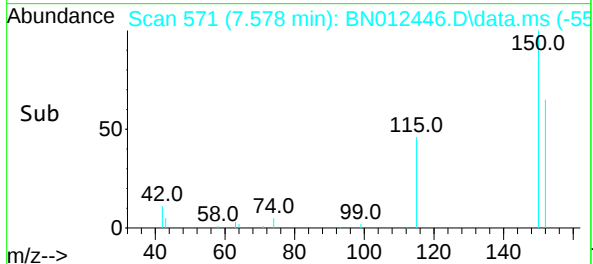
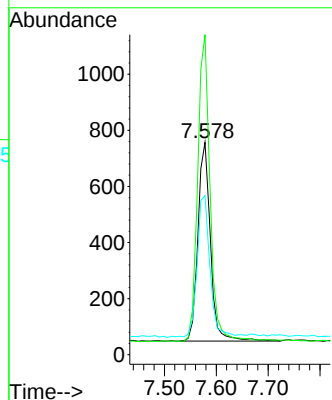
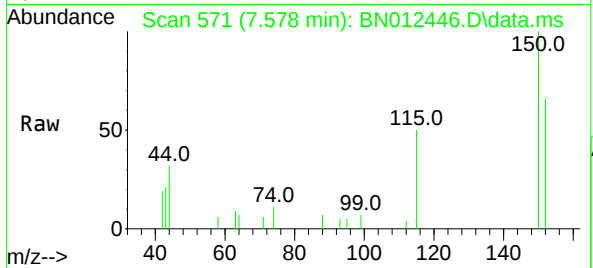




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.578 min Scan# 571
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

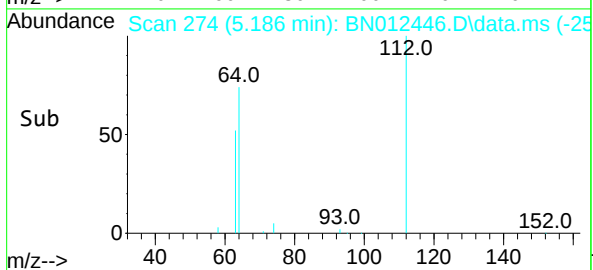
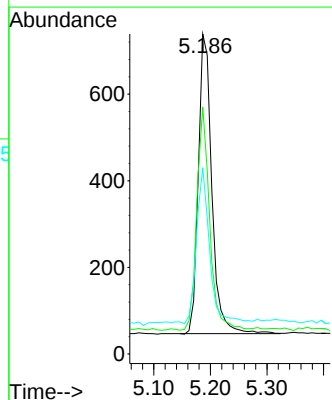
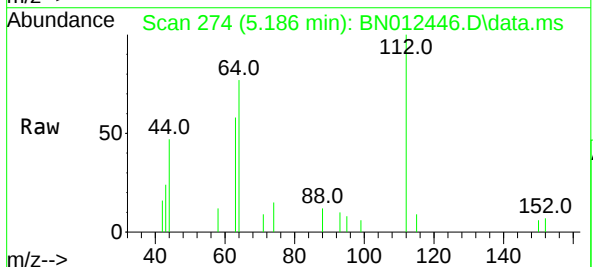
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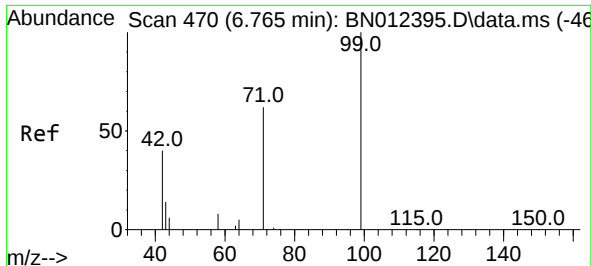
Tgt Ion:152 Resp: 1189
Ion Ratio Lower Upper
152 100
150 150.7 116.6 174.8
115 74.9 52.9 79.3



#4
2-Fluorophenol
Concen: 0.28 ng
RT: 5.186 min Scan# 274
Delta R.T. -0.008 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:112 Resp: 1148
Ion Ratio Lower Upper
112 100
64 71.0 49.5 74.3
63 49.7 32.0 48.0#

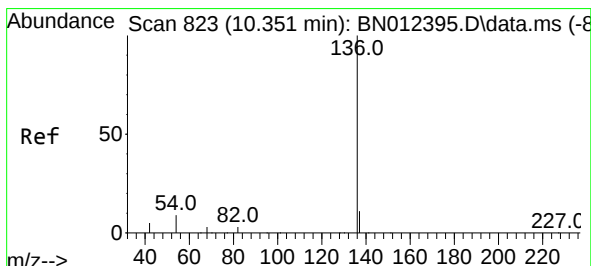
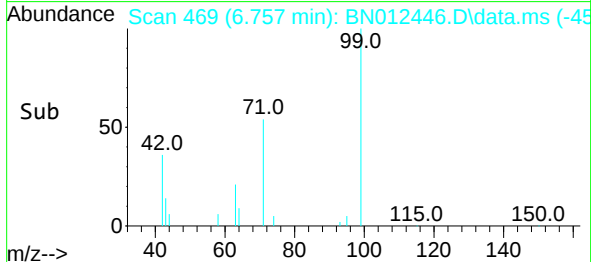
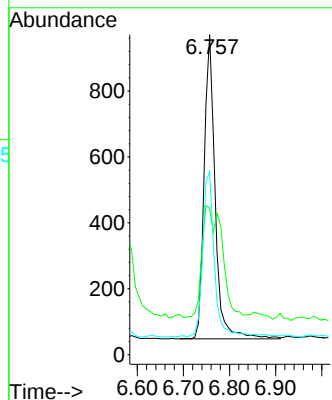
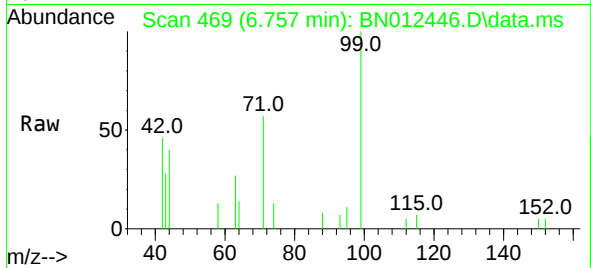




#5
Phenol-d6
Concen: 0.31 ng
RT: 6.757 min Scan# 469
Delta R.T. -0.008 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

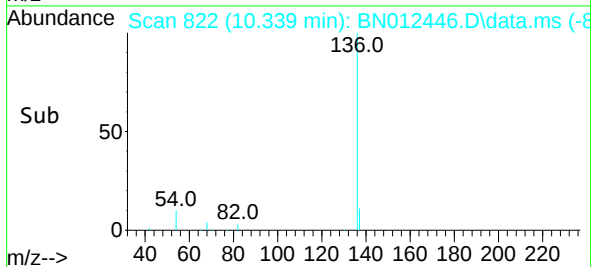
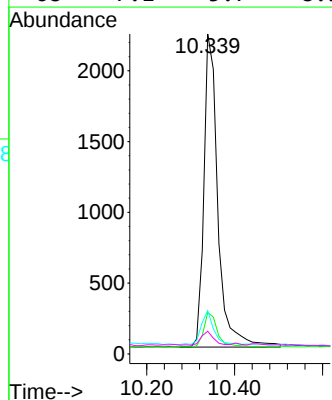
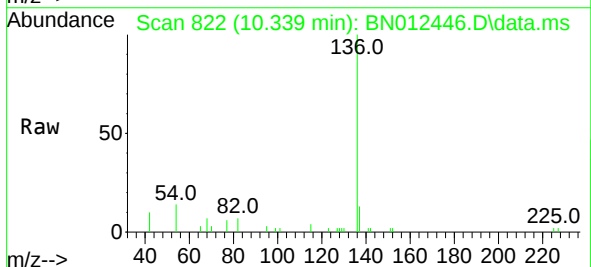
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ClientSampleId :
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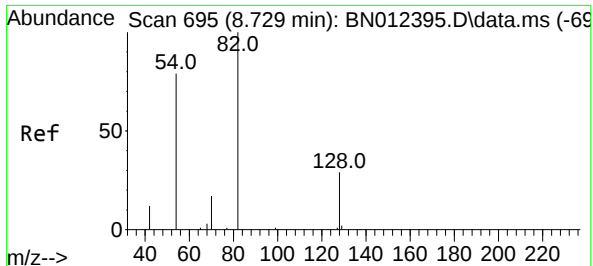
Tgt Ion: 99 Resp: 1537
Ion Ratio Lower Upper
99 100
42 66.6 22.4 33.6#
71 57.2 37.8 56.6#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.339 min Scan# 822
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion: 136 Resp: 4893
Ion Ratio Lower Upper
136 100
137 13.0 10.6 15.8
54 13.5 8.6 12.8#
68 7.1 5.7 8.5

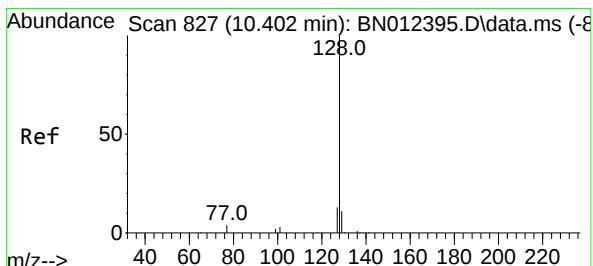
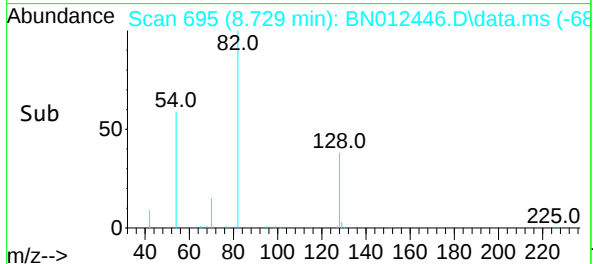
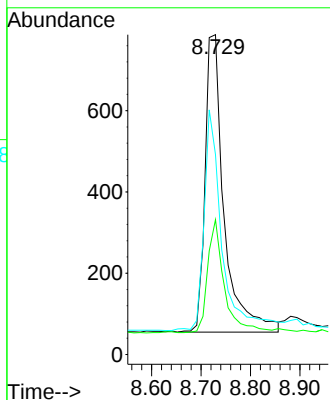
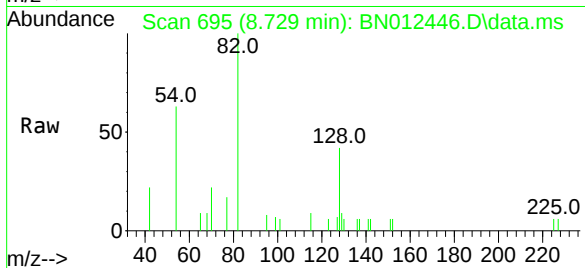




#8
Nitrobenzene-d5
Concen: 0.36 ng
RT: 8.729 min Scan# 695
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

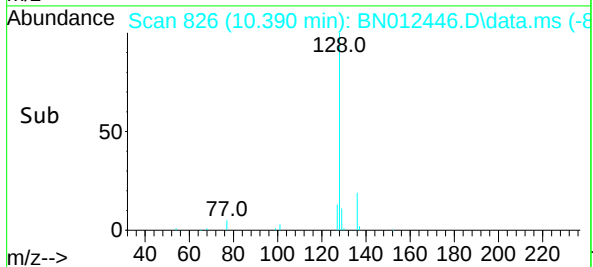
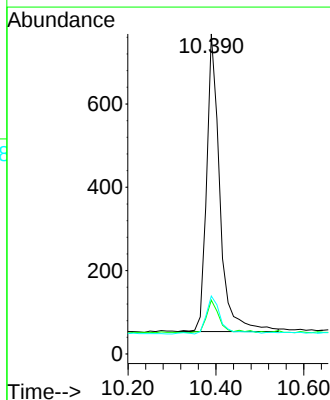
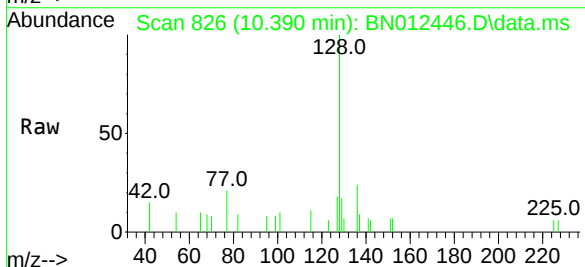
Instrument :
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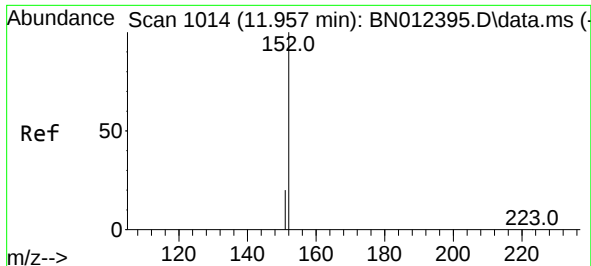
Tgt Ion:	82	Resp:	1963
Ion	Ratio	Lower	Upper
82	100		
128	42.2	30.6	46.0
54	62.5	48.3	72.5



#9
Naphthalene
Concen: 0.11 ng
RT: 10.390 min Scan# 826
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:	128	Resp:	1486
Ion	Ratio	Lower	Upper
128	100		
129	16.8	9.8	14.8#
127	18.1	12.2	18.4

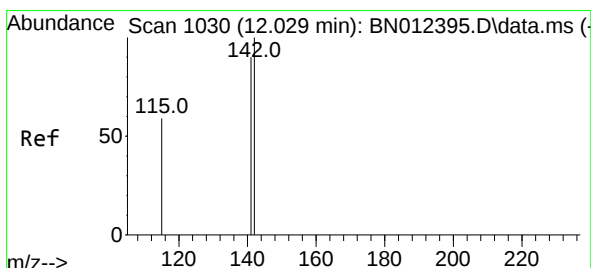
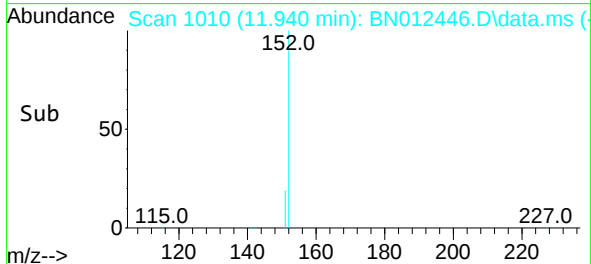
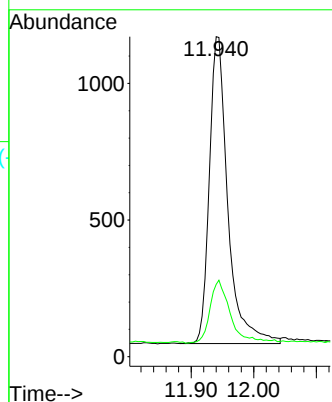
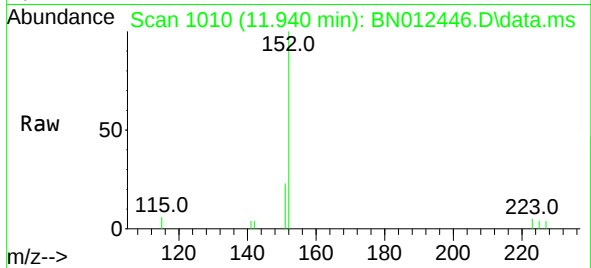




#11
2-Methylnaphthalene-d10
Concen: 0.29 ng
RT: 11.940 min Scan# 1010
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

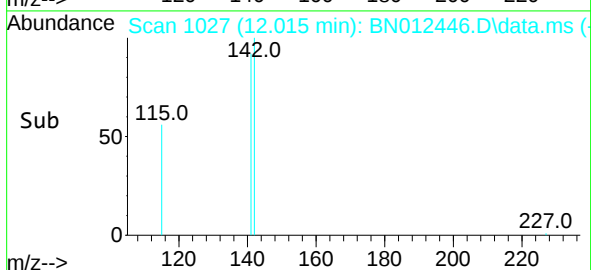
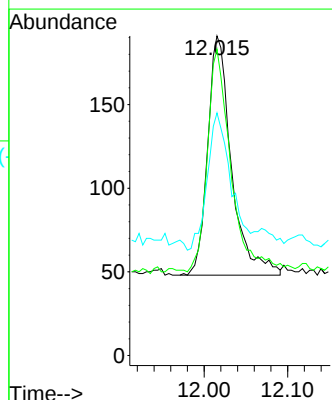
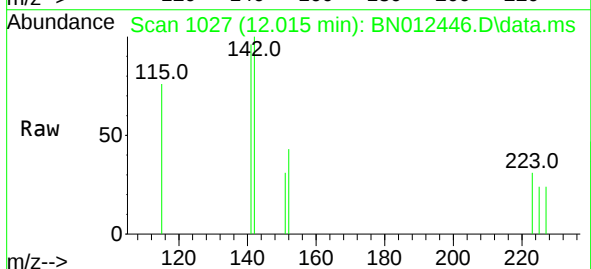
Instrument :
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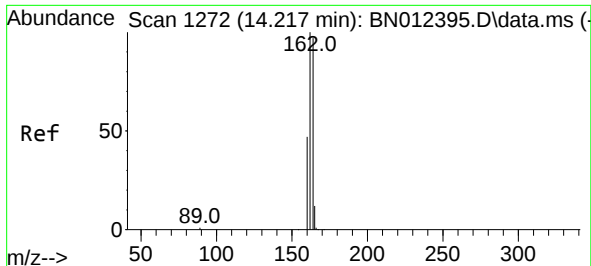
Tgt Ion:152 Resp: 2310
Ion Ratio Lower Upper
152 100
151 22.6 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.015 min Scan# 1027
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:142 Resp: 284
Ion Ratio Lower Upper
142 100
141 95.8 69.4 104.2
115 75.9 35.7 53.5#

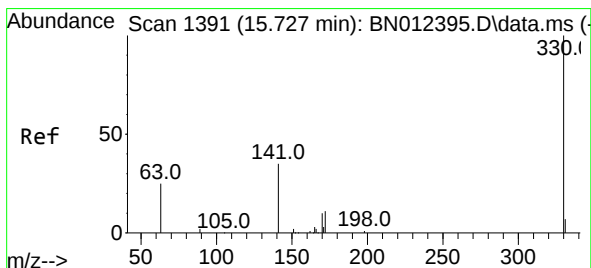
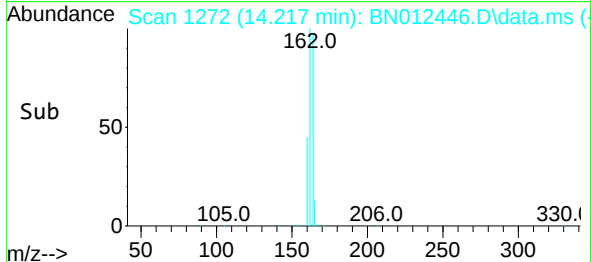
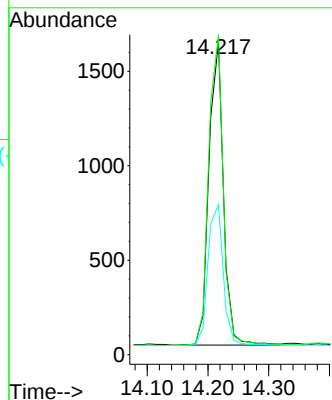
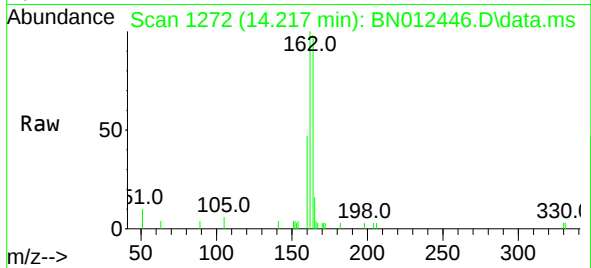




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.217 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

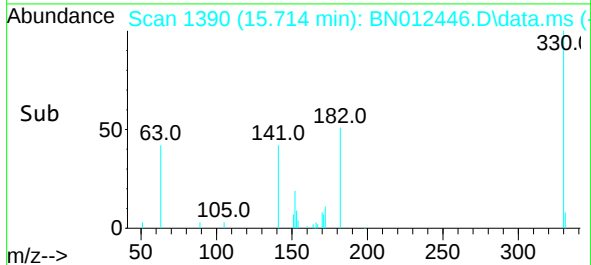
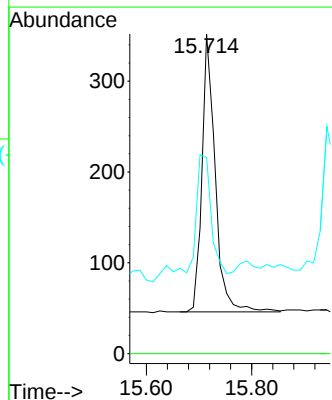
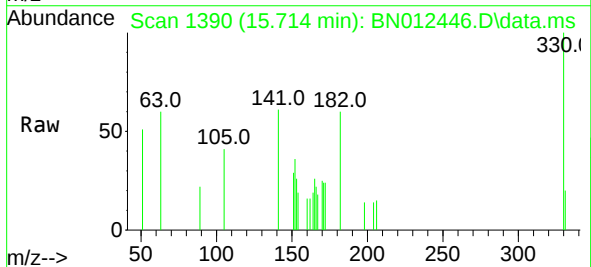
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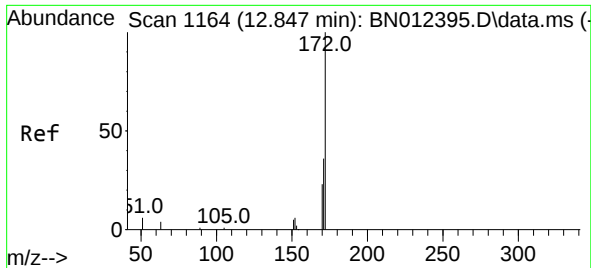
Tgt Ion:	164	Resp:	2663
Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	48.0	39.5	59.3



#14
2,4,6-Tribromophenol
Concen: 0.28 ng
RT: 15.714 min Scan# 1390
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:	330	Resp:	534
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	47.2	34.4	51.6

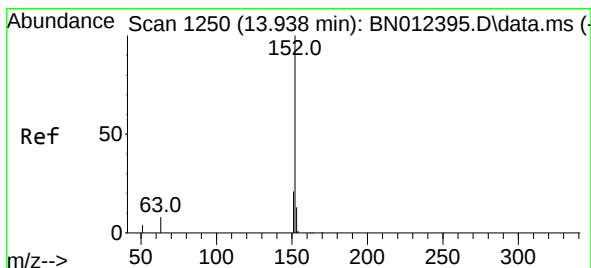
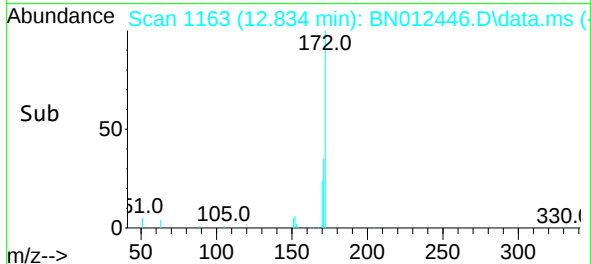
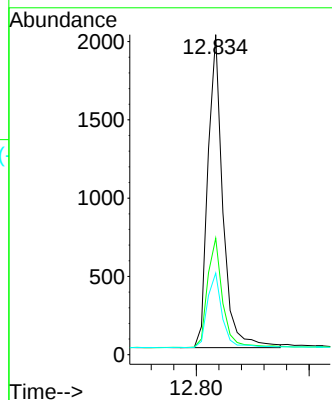
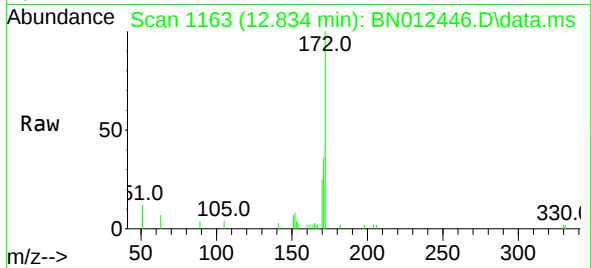




#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 12.834 min Scan# 1163
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

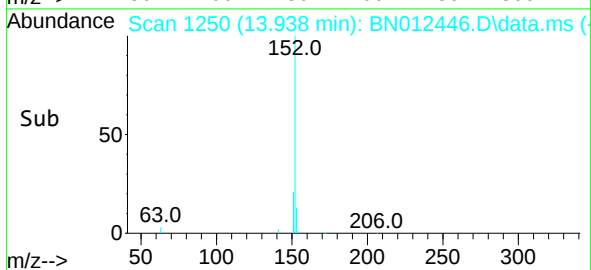
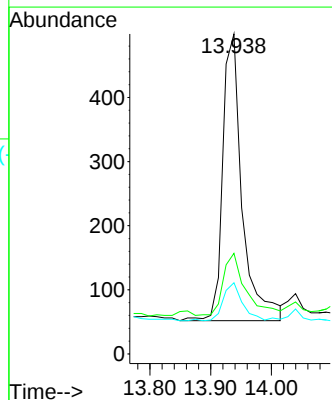
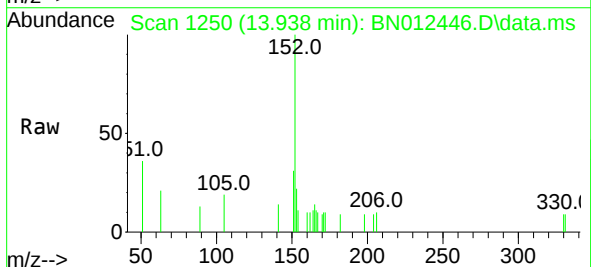
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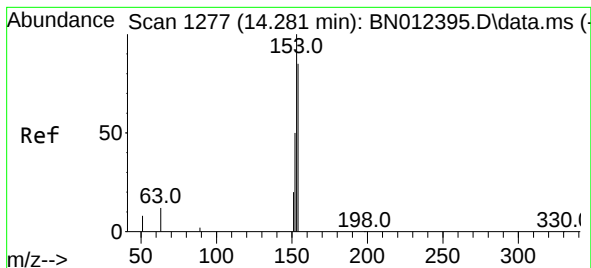
Tgt Ion:	172	Resp:	3660
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	25.5	20.0	30.0



#16
Acenaphthylene
Concen: 0.08 ng
RT: 13.938 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:	152	Resp:	991
Ion	Ratio	Lower	Upper
152	100		
151	24.9	15.8	23.8#
153	12.9	10.6	16.0

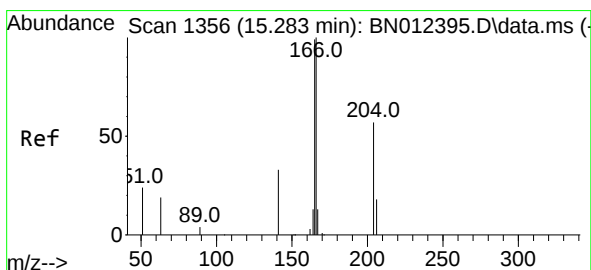
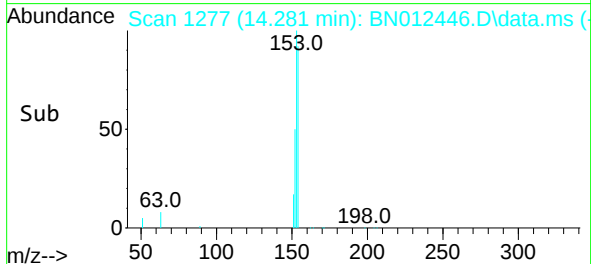
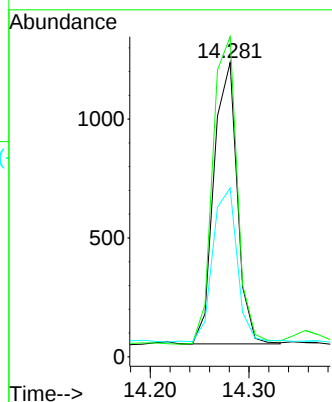
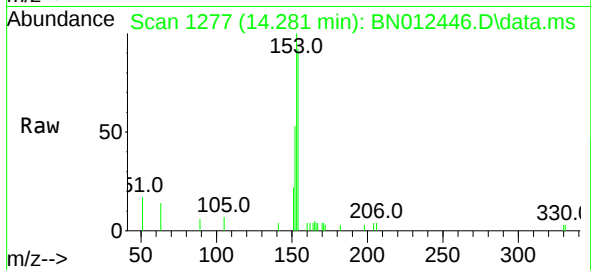




#17
Acenaphthene
Concen: 0.23 ng
RT: 14.281 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

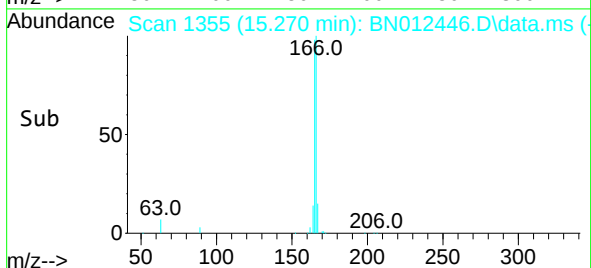
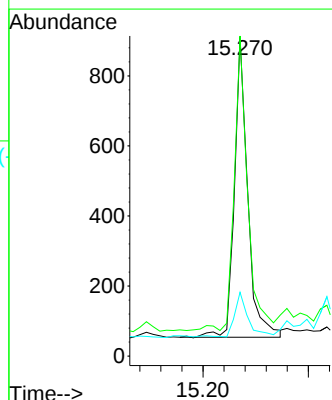
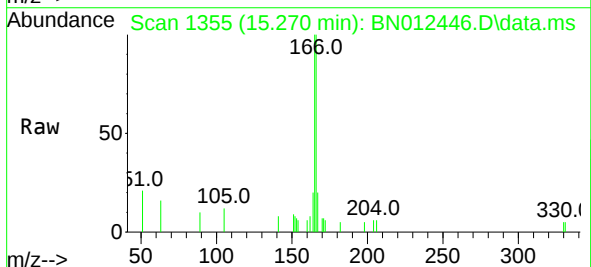
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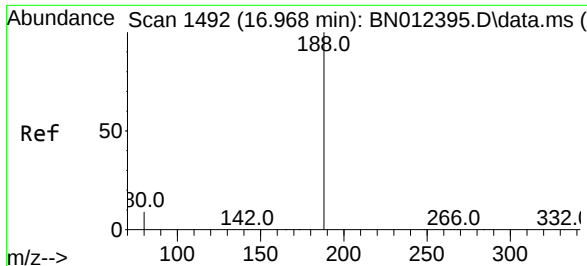
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Ion Ratio Lower Upper
154 100
153 115.5 83.6 125.4
152 58.4 43.9 65.9



#18
Fluorene
Concen: 0.14 ng
RT: 15.270 min Scan# 1355
Delta R.T. -0.013 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:166 Resp: 1498
Ion Ratio Lower Upper
166 100
165 98.2 78.6 118.0
167 14.4 10.7 16.1

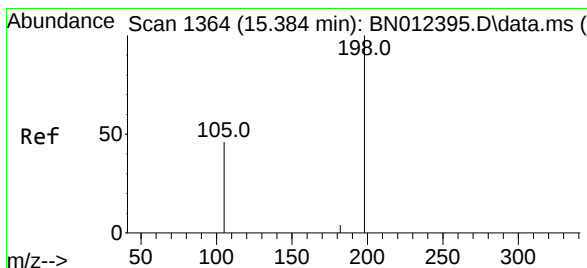
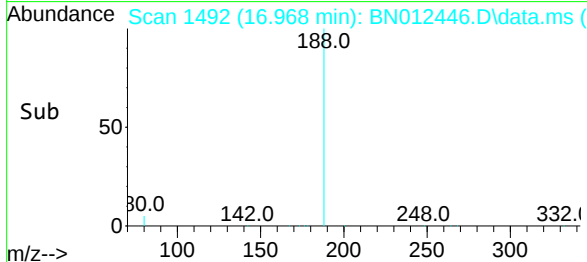
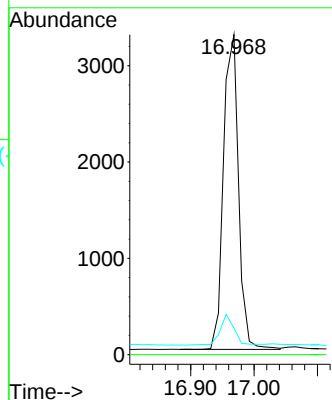
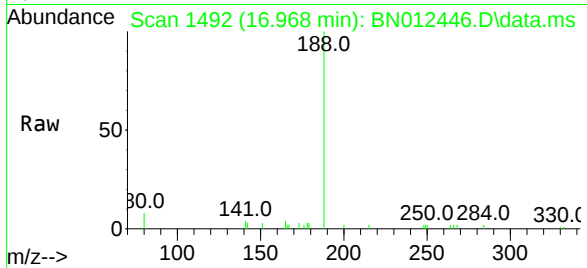




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.968 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

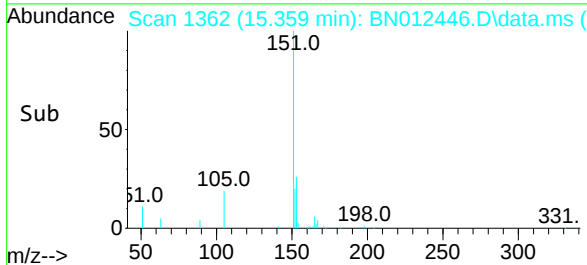
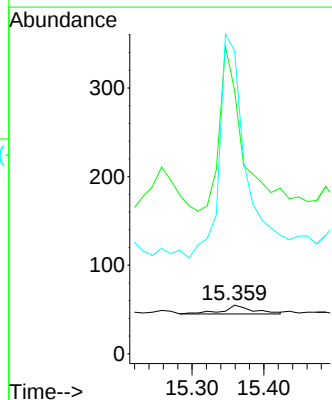
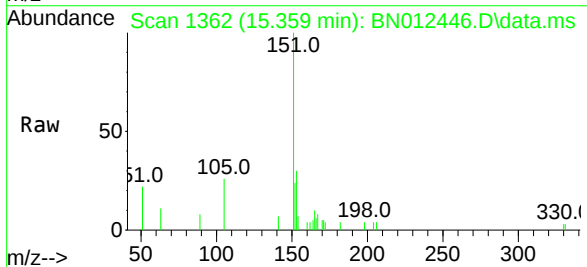
Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

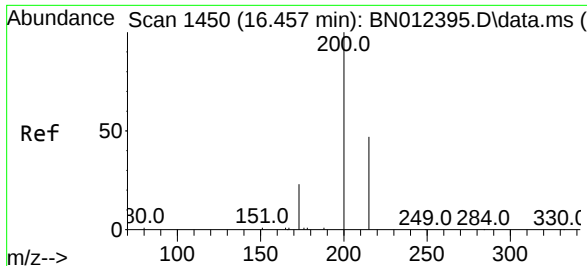
Tgt Ion:188	Resp:	5363
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.3	5.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.02 ng
RT: 15.359 min Scan# 1362
Delta R.T. -0.038 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:198	Resp:	29
Ion Ratio	Lower	Upper
198	100	
51	540.0	43.5
105	621.8	27.2

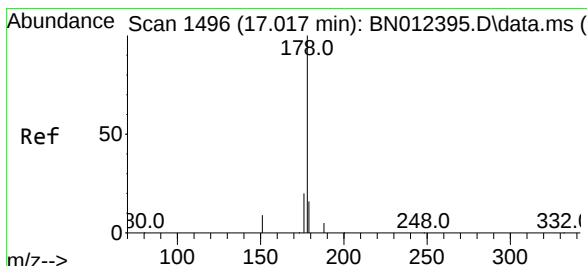
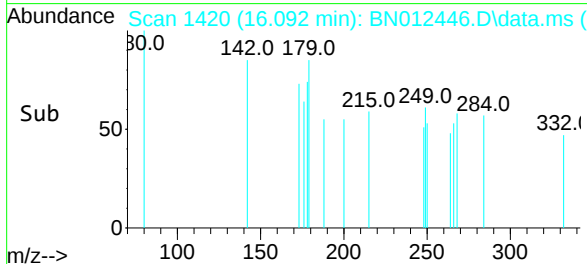
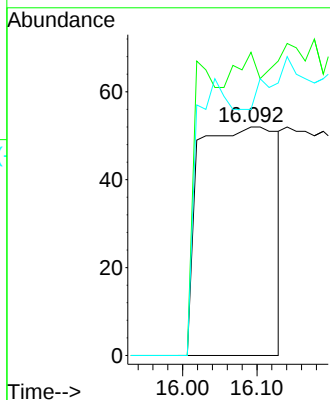
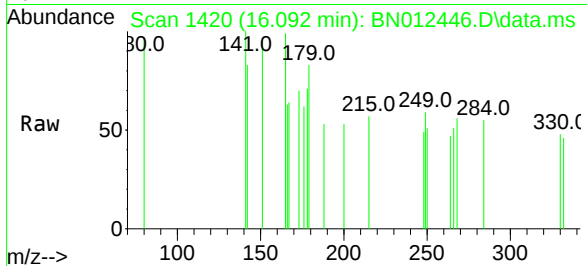




#23
Atrazine
Concen: 0.12 ng
RT: 16.092 min Scan# 1420
Delta R.T. -0.365 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

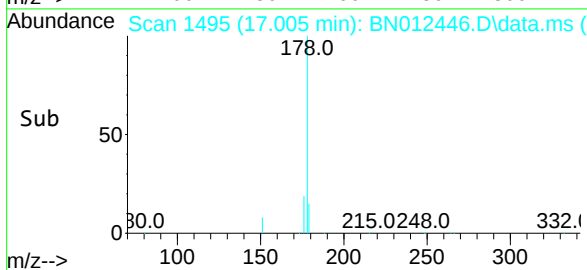
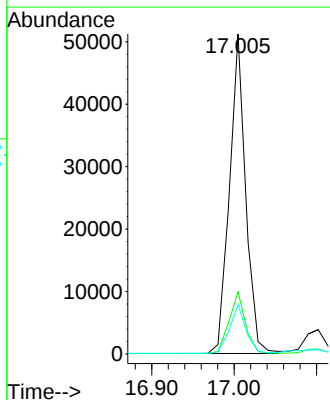
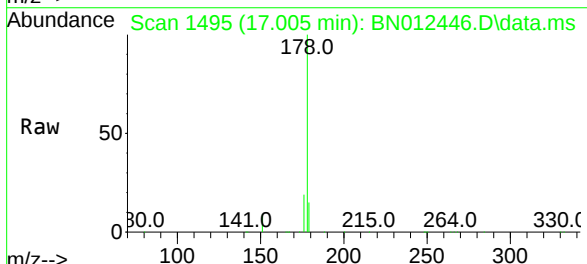
Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

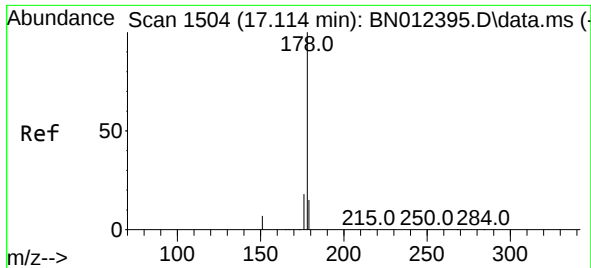
Tgt Ion:200 Resp: 372
Ion Ratio Lower Upper
200 100
173 132.7 22.8 34.2#
215 107.7 38.1 57.1#



#25
Phenanthrene
Concen: 4.47 ng
RT: 17.005 min Scan# 1495
Delta R.T. -0.012 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:178 Resp: 69932
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.3 12.4 18.6

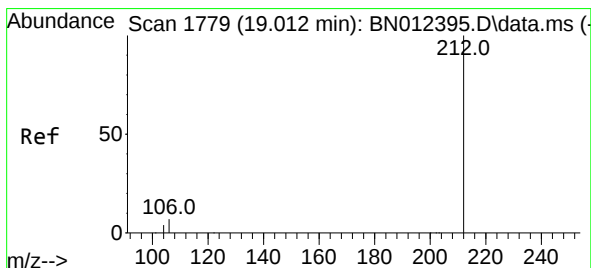
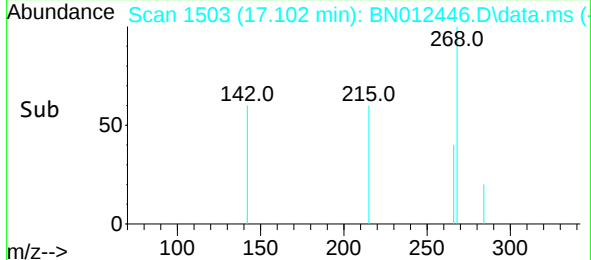
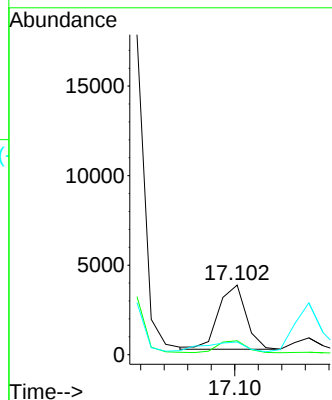
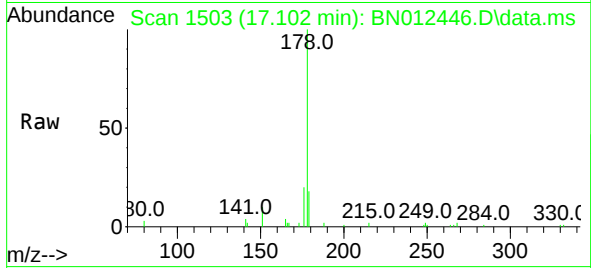




#26
 Anthracene
 Concen: 0.41 ng
 RT: 17.102 min Scan# 1503
 Delta R.T. 0.000 min
 Lab File: BN012446.D
 Acq: 29 Oct 2020 19:58

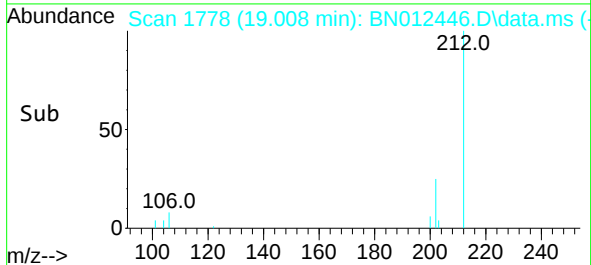
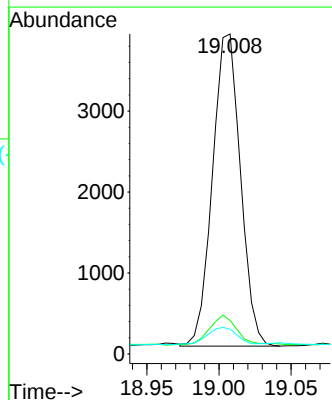
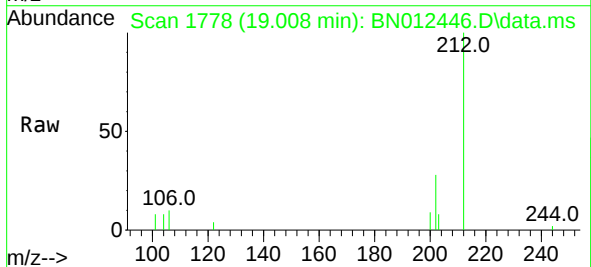
Instrument :
 BNA_N
 ClientSampleId :
 STOCKPILE-LOC3-SO-0003

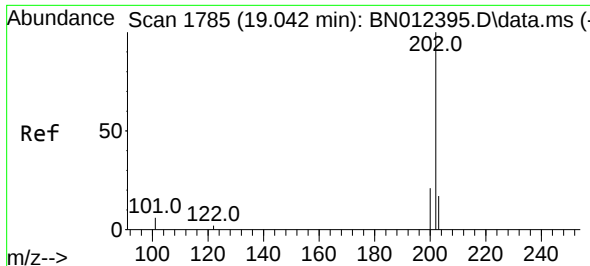
Tgt Ion:178 Resp: 5872
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.8 22.2
 179 23.6 12.5 18.7#



#27
 Fluoranthene-d10
 Concen: 0.31 ng
 RT: 19.008 min Scan# 1778
 Delta R.T. -0.005 min
 Lab File: BN012446.D
 Acq: 29 Oct 2020 19:58

Tgt Ion:212 Resp: 5194
 Ion Ratio Lower Upper
 212 100
 106 9.8 6.8 10.2
 104 6.4 4.1 6.1#

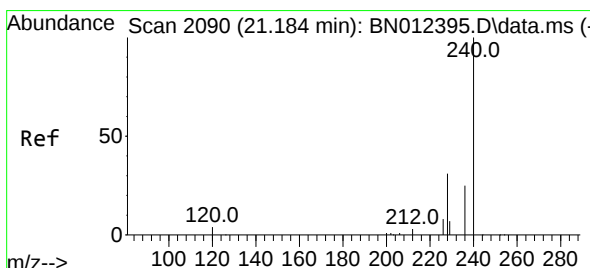
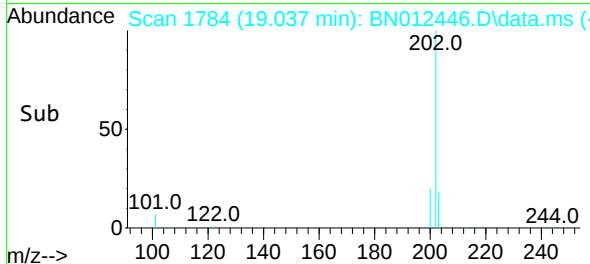
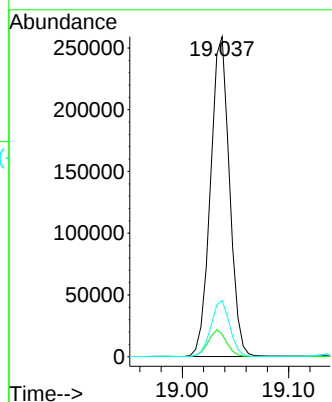
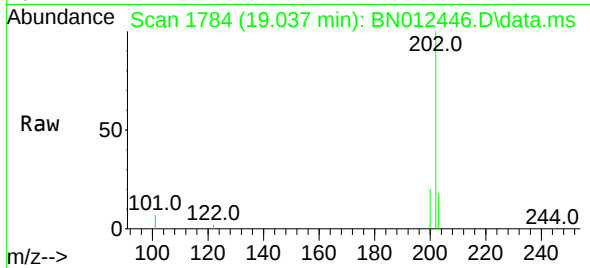




#28
Fluoranthene
Concen: 17.27 ng
RT: 19.037 min Scan# 1784
Delta R.T. -0.005 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

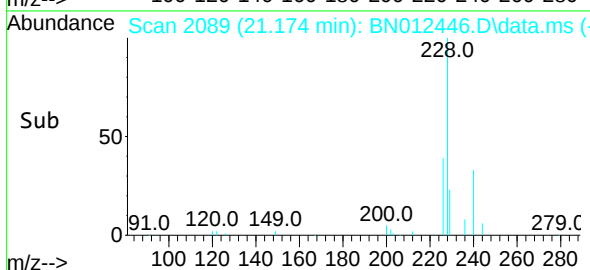
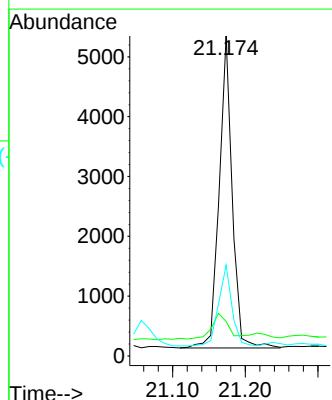
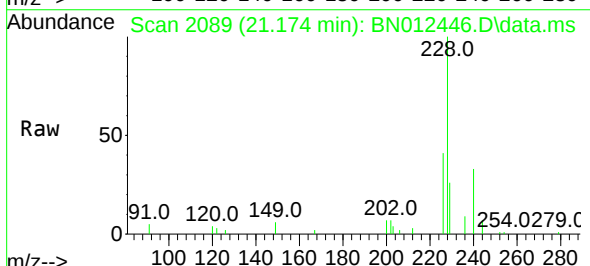
Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

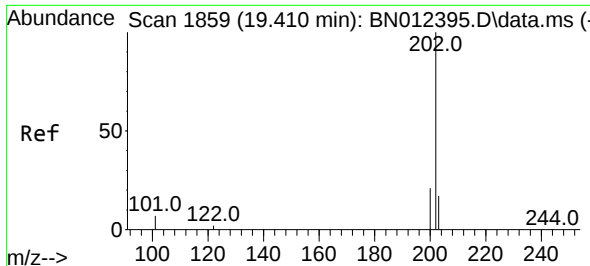
Tgt Ion:202 Resp: 321363
Ion Ratio Lower Upper
202 100
101 8.1 5.8 8.6
203 17.3 13.7 20.5



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.174 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:240 Resp: 6491
Ion Ratio Lower Upper
240 100
120 10.8 5.3 7.9#
236 28.4 21.8 32.8

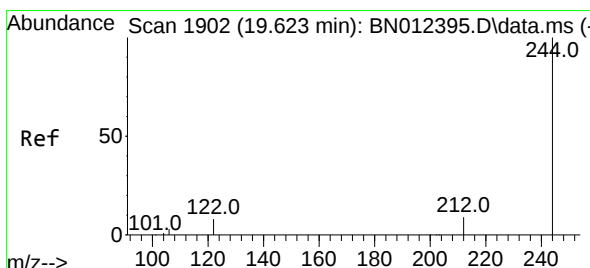
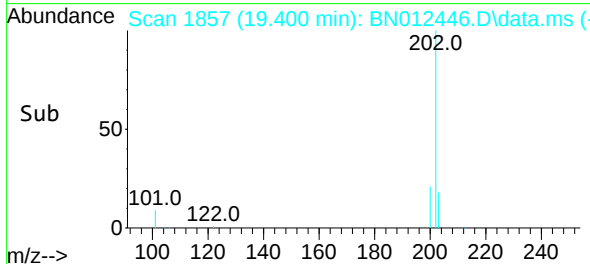
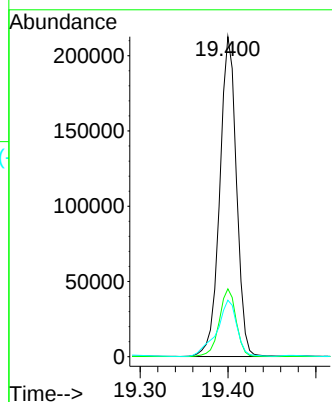
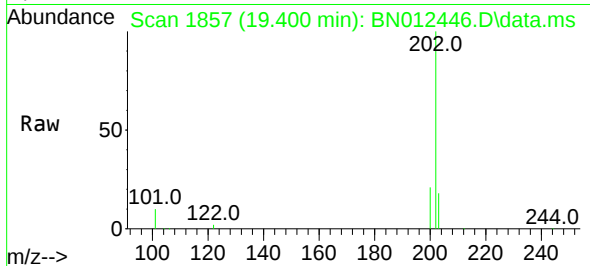




#30
Pyrene
Concen: 12.81 ng
RT: 19.400 min Scan# 1857
Delta R.T. -0.010 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

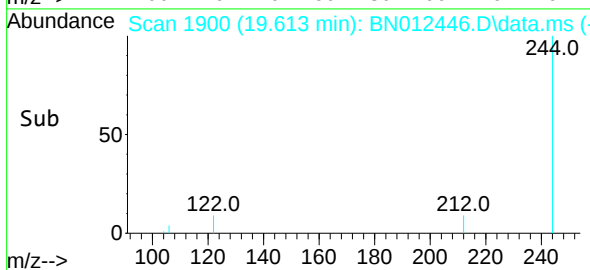
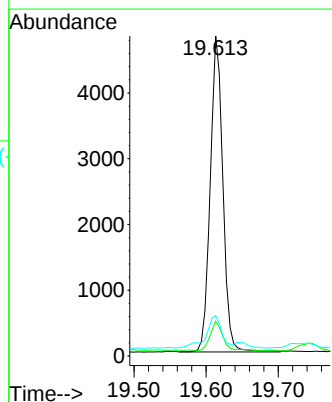
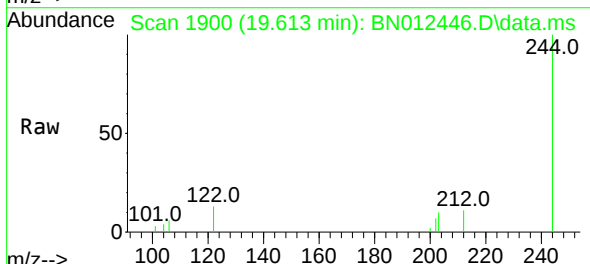
Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

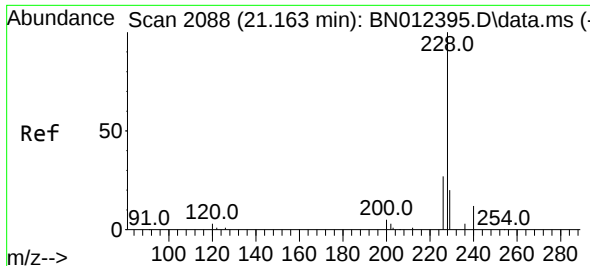
Tgt Ion:202 Resp: 281284
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 21.2 13.8 20.8#



#31
Terphenyl-d14
Concen: 0.38 ng
RT: 19.613 min Scan# 1900
Delta R.T. -0.010 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:244 Resp: 5848
Ion Ratio Lower Upper
244 100
212 10.9 7.3 10.9
122 12.6 7.3 10.9#

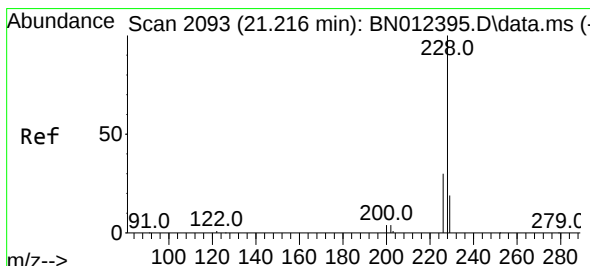
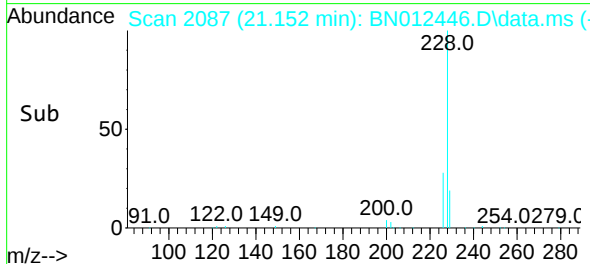
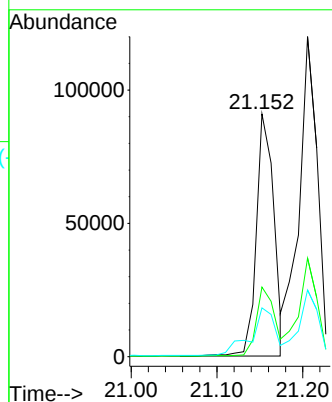
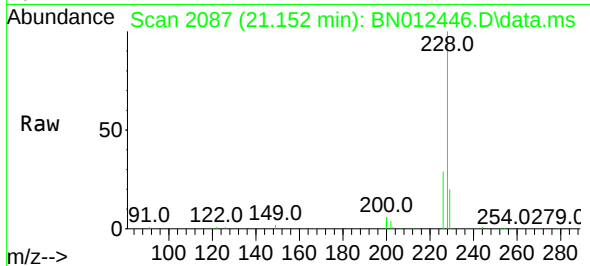




#32
Benzo(a)anthracene
Concen: 6.54 ng
RT: 21.152 min Scan# 2087
Delta R.T. -0.011 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

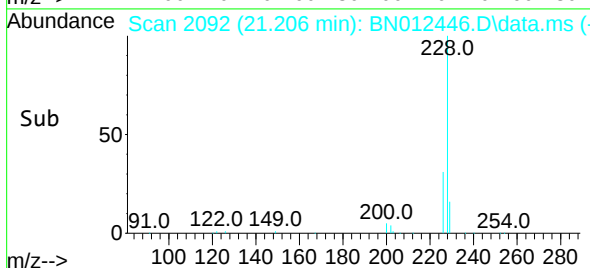
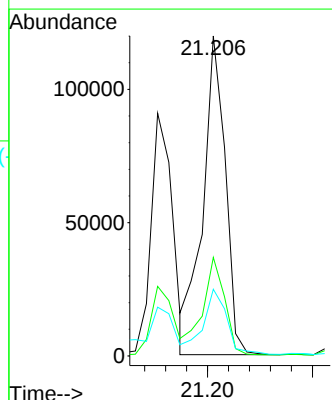
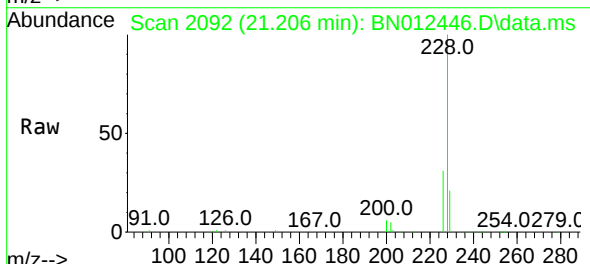
Instrument :
BNA_N
ClientSampleId :
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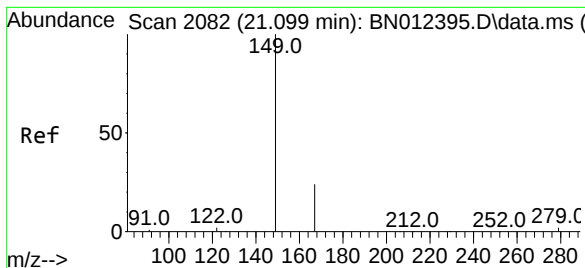
Tgt Ion:228 Resp: 129180
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 20.1 15.7 23.5



#33
Chrysene
Concen: 8.04 ng
RT: 21.206 min Scan# 2092
Delta R.T. -0.011 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:228 Resp: 178011
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 20.8 15.7 23.5

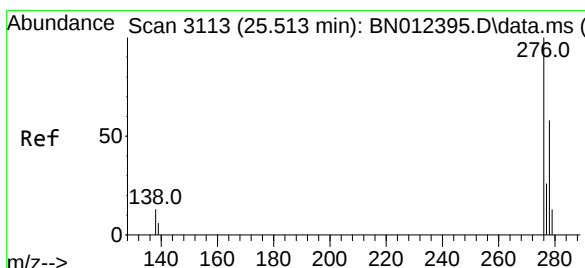
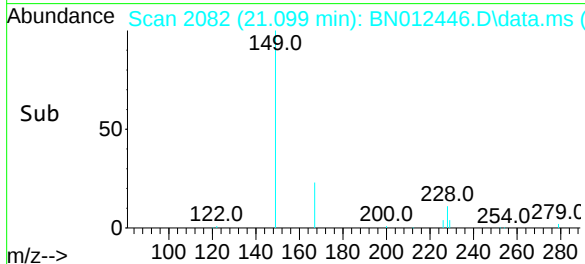
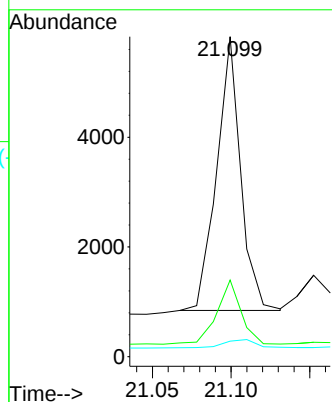
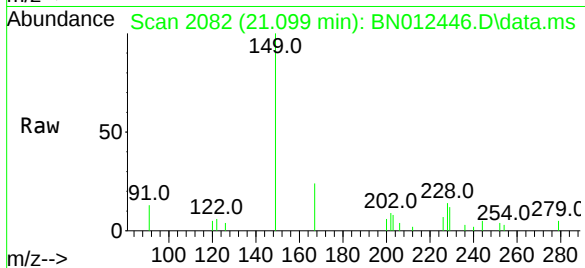




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.099 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

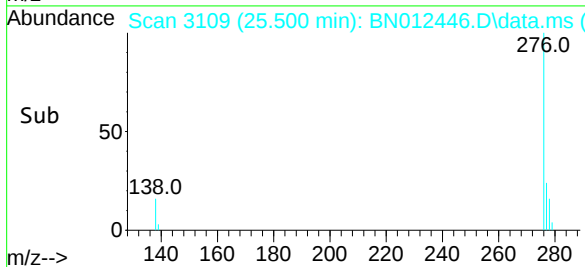
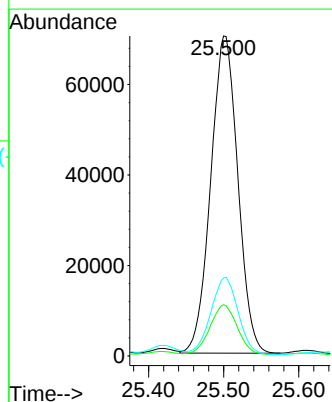
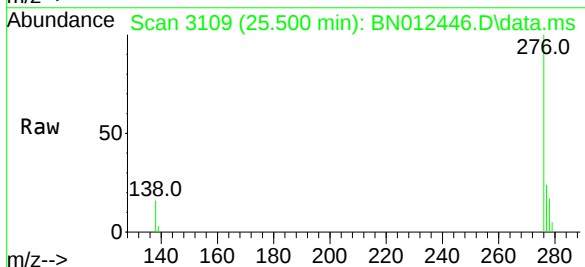
Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

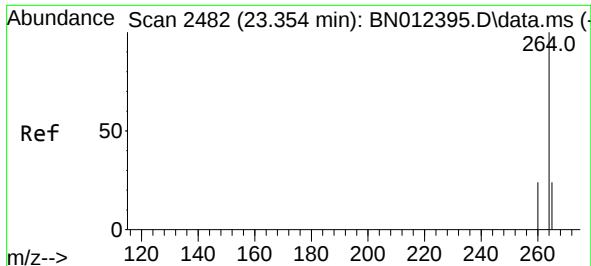
Tgt Ion:149 Resp: 5271
Ion Ratio Lower Upper
149 100
167 23.2 23.2 34.8
279 3.9 3.9 5.9



#35
Indeno(1,2,3-cd)pyrene
Concen: 5.52 ng
RT: 25.500 min Scan# 3109
Delta R.T. -0.010 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:276 Resp: 175734
Ion Ratio Lower Upper
276 100
138 15.9 13.3 19.9
277 24.4 20.2 30.4

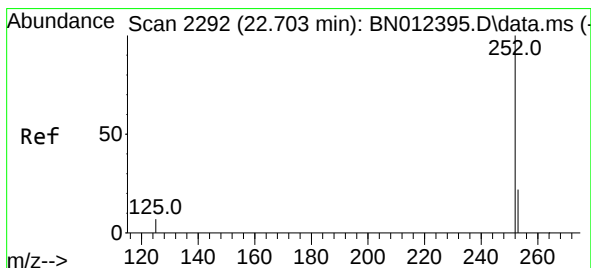
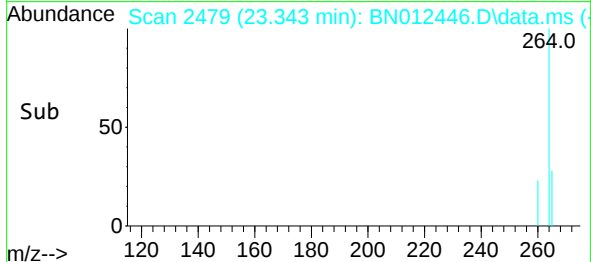
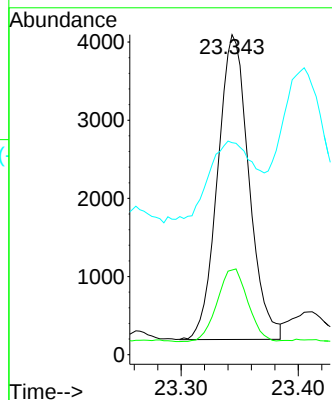
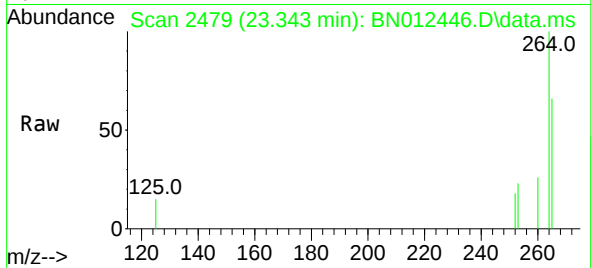




#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.343 min Scan# 2479
 Delta R.T. -0.010 min
 Lab File: BN012446.D
 Acq: 29 Oct 2020 19:58

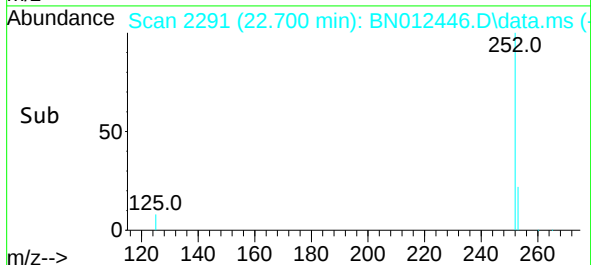
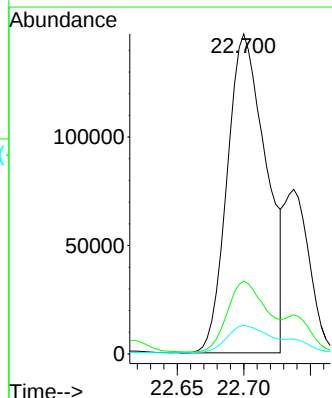
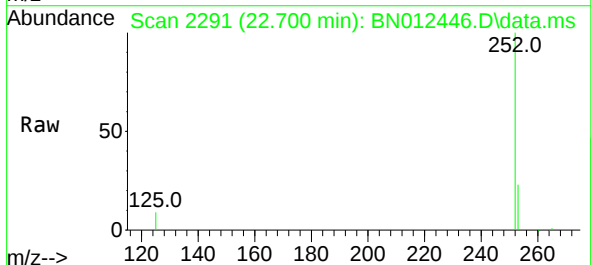
Instrument :
 BNA_N
 ClientSampleId :
 STOCKPILE-LOC3-SO-0003

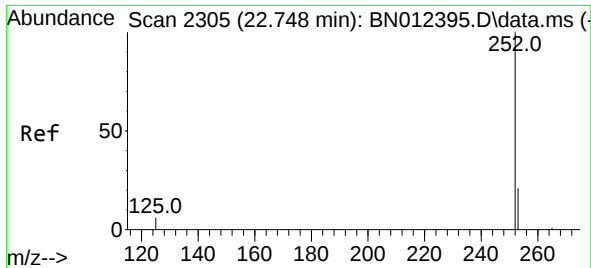
Tgt Ion:264	Resp:	7254
Ion Ratio	Lower	Upper
264	100	
260	26.5	19.8 29.6
265	66.3	51.4 77.0



#37
 Benzo(b)fluoranthene
 Concen: 13.12 ng
 RT: 22.700 min Scan# 2291
 Delta R.T. -0.003 min
 Lab File: BN012446.D
 Acq: 29 Oct 2020 19:58

Tgt Ion:252	Resp:	300242
Ion Ratio	Lower	Upper
252	100	
253	22.8	20.1 30.1
125	8.9	7.2 10.8

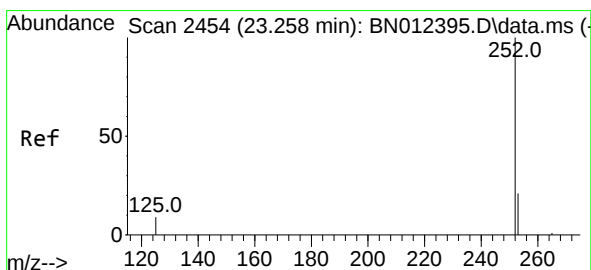
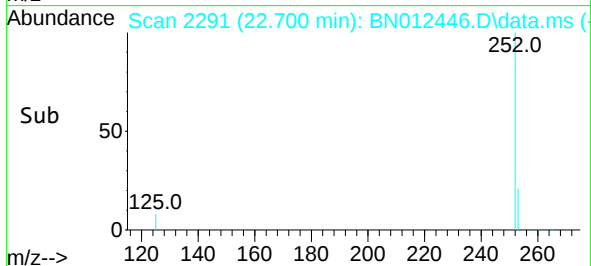
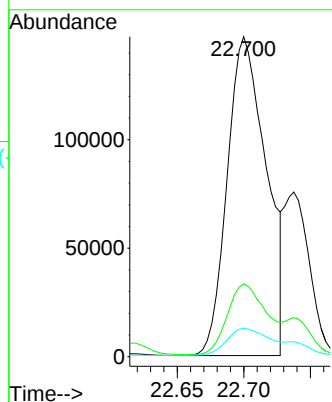
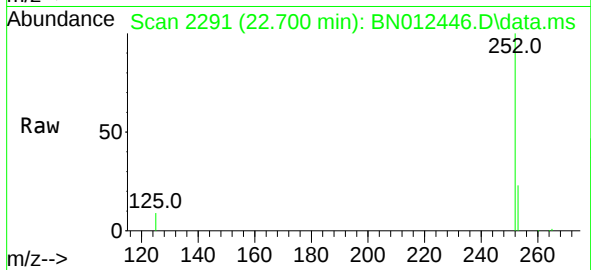




#38
Benzo(k)fluoranthene
Concen: 12.04 ng
RT: 22.700 min Scan# 2291
Delta R.T. -0.048 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

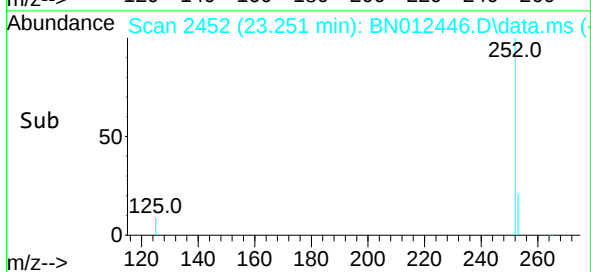
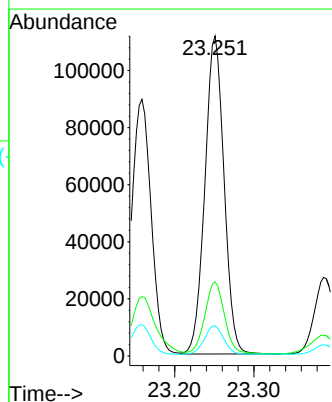
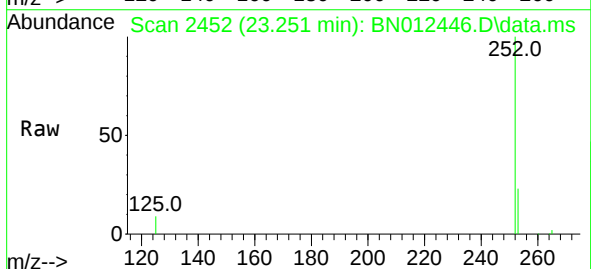
Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

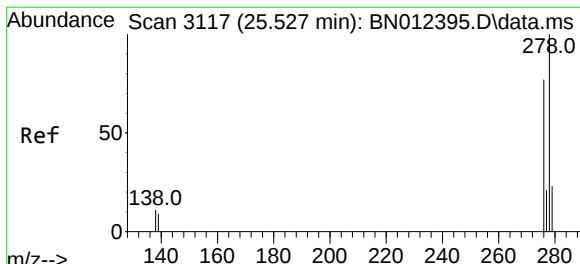
Tgt Ion:252 Resp: 300242
Ion Ratio Lower Upper
252 100
253 22.8 19.8 29.8
125 8.9 7.1 10.7



#39
Benzo(a)pyrene
Concen: 8.44 ng
RT: 23.251 min Scan# 2452
Delta R.T. -0.010 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:252 Resp: 187438
Ion Ratio Lower Upper
252 100
253 23.2 21.3 31.9
125 9.4 8.3 12.5

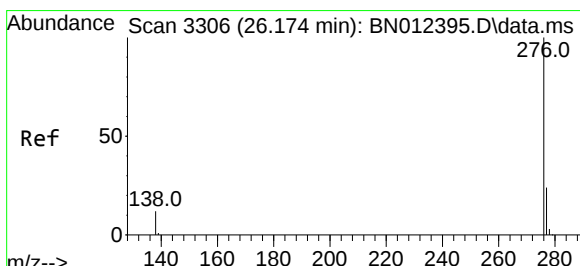
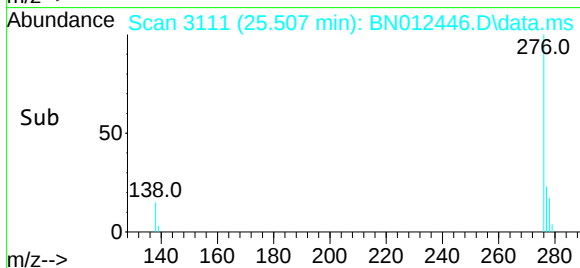
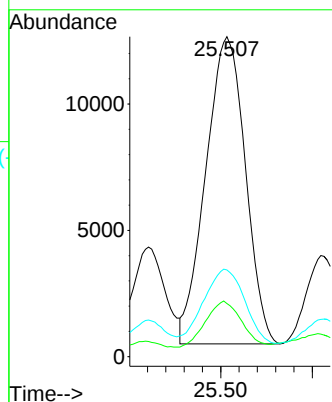
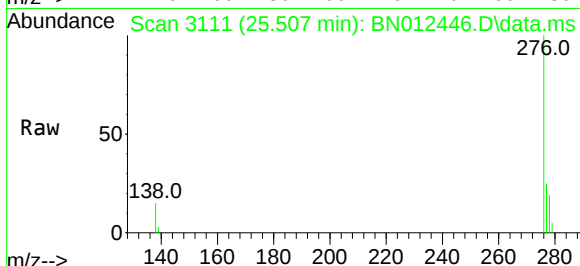




#40
Dibenzo(a,h)anthracene
Concen: 1.46 ng
RT: 25.507 min Scan# 3111
Delta R.T. -0.020 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Instrument :
BNA_N
ClientSampleId :
STOCKPILE-LOC3-SO-0003

Tgt Ion:278 Resp: 36574
Ion Ratio Lower Upper
278 100
139 16.6 9.3 13.9#
279 27.1 21.6 32.4



#41
Benzo(g,h,i)perylene
Concen: 6.92 ng
RT: 26.164 min Scan# 3303
Delta R.T. -0.007 min
Lab File: BN012446.D
Acq: 29 Oct 2020 19:58

Tgt Ion:276 Resp: 182374
Ion Ratio Lower Upper
276 100
277 24.1 19.8 29.8
138 16.3 11.7 17.5

