

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN081019\
 Data File : BN007074.D
 Acq On : 11 Aug 2019 07:24
 Operator : HP/JU
 Sample : K4144-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 06:34:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9875	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37756	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21505	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	53416	0.40	ng	0.00
26) Chrysene-d12	21.05	240	55951	0.40	ng	-0.01
32) Perylene-d12	23.16	264	63432	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	4106	0.17	ng	0.00
4) Phenol-d6	6.61	99	5788	0.20	ng	0.00
7) Nitrobenzene-d5	8.56	82	4818	0.16	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	11910	0.17	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1860	0.16	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4062	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	31781	0.17	ng	0.00
28) Terphenyl-d14	19.49	244	24506	0.16	ng	0.00

Target Compounds

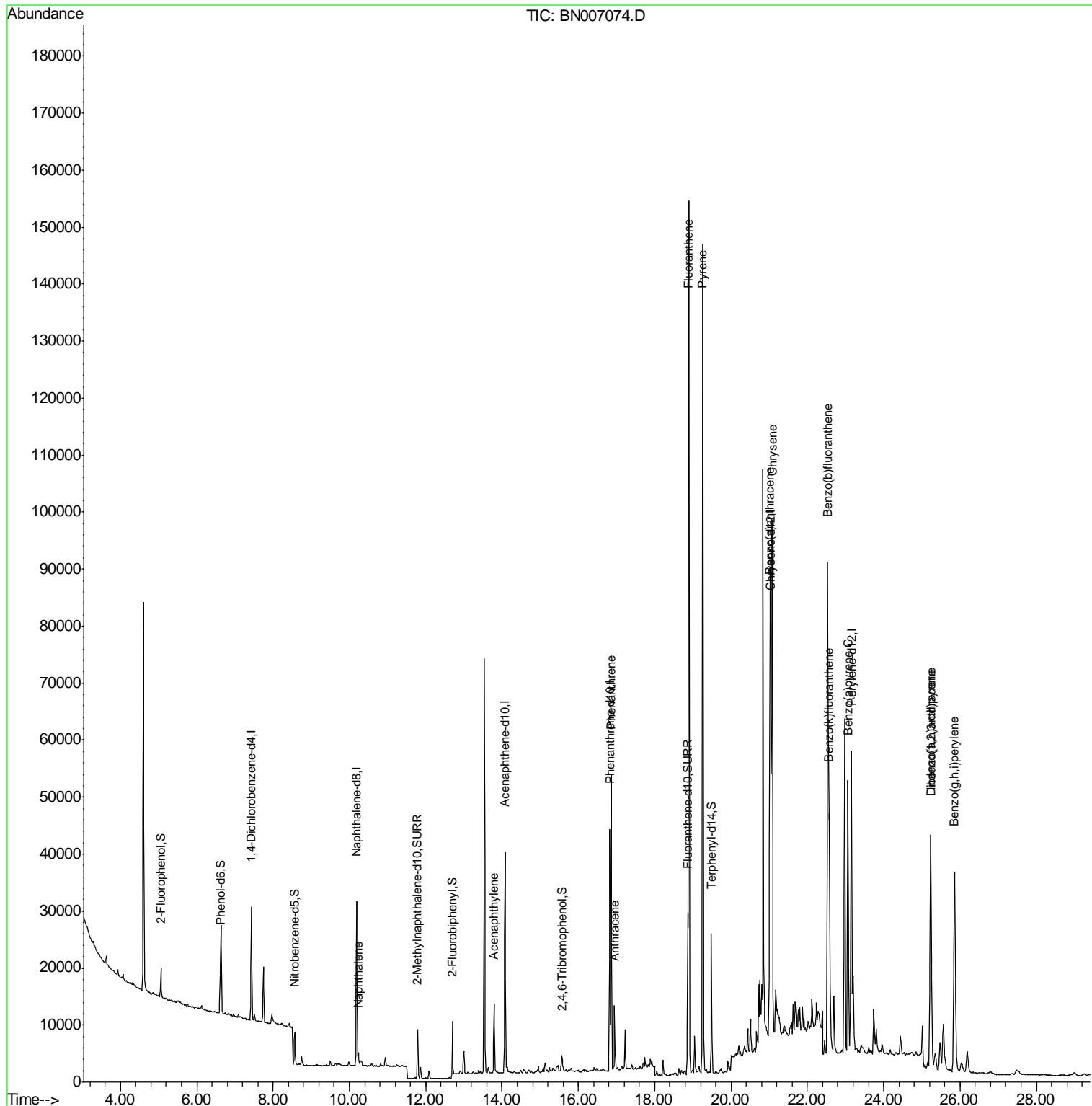
						Qvalue
8) Naphthalene	10.24	128	2849	0.027	ng	# 92
15) Acenaphthylene	13.79	152	15120	0.135	ng	99
22) Phenanthrene	16.87	178	51459	0.321	ng	100
23) Anthracene	16.95	178	13209	0.090	ng	98
25) Fluoranthene	18.90	202	139859	0.683	ng	100
27) Pyrene	19.26	202	133157	0.679	ng	98
29) Benzo(a)anthracene	21.02	228	54700m	0.267	ng	
30) Chrysene	21.08	228	85739	0.431	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	69707	0.318	ng	97
33) Benzo(b)fluoranthene	22.53	252	143981	0.662	ng	100
34) Benzo(k)fluoranthene	22.57	252	48570m	0.226	ng	
35) Benzo(a)pyrene	23.07	252	65720	0.333	ng	100
36) Dibenzo(a,h)anthracene	25.24	278	14947	0.076	ng	# 84
37) Benzo(a,h,i)perylene	25.86	276	73141	0.361	ng	99

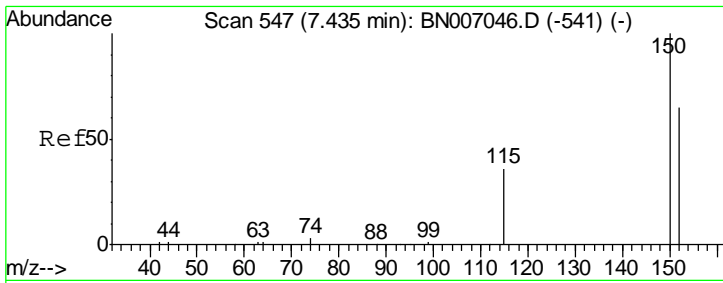
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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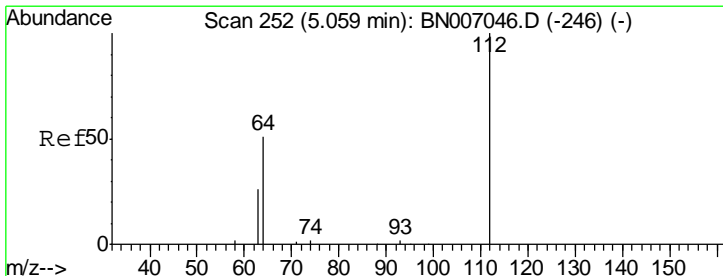
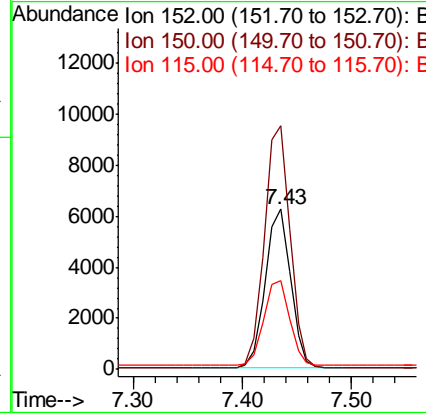
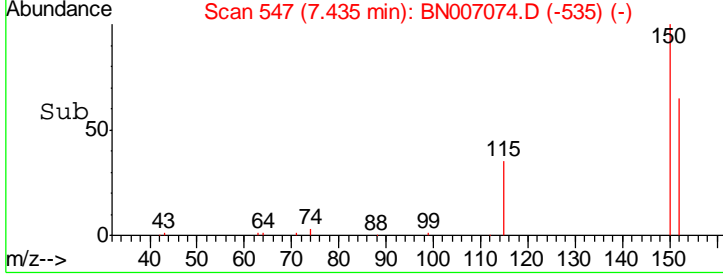
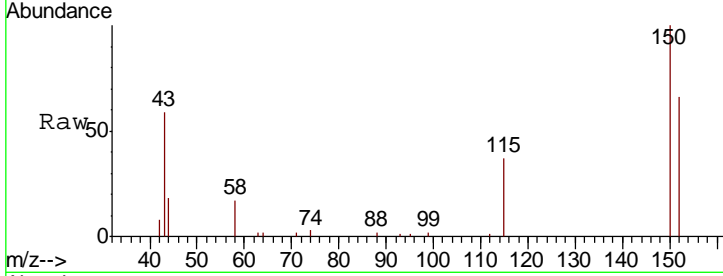




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

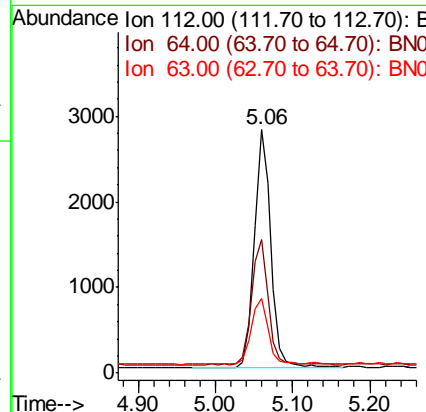
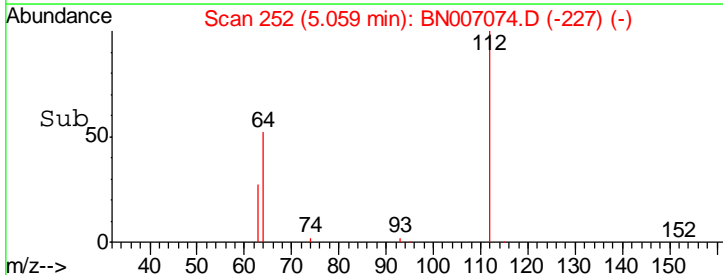
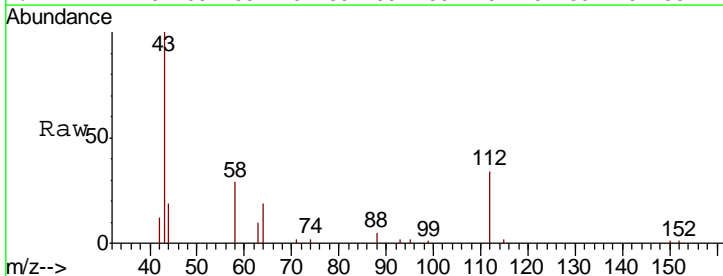
Instrument :
 BNA_F
 ClientSampled :

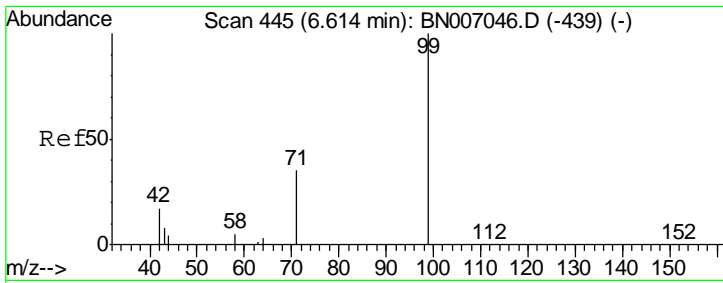
Tgt Ion	Resp	Lower	Upper
152	100		
150	152.0	121.7	182.5
115	55.5	46.2	69.4



#3
 2-Fluorophenol
 Concen: 0.173 ng
 RT: 5.06 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
112	100		
64	52.4	42.6	63.8
63	27.8	22.2	33.2

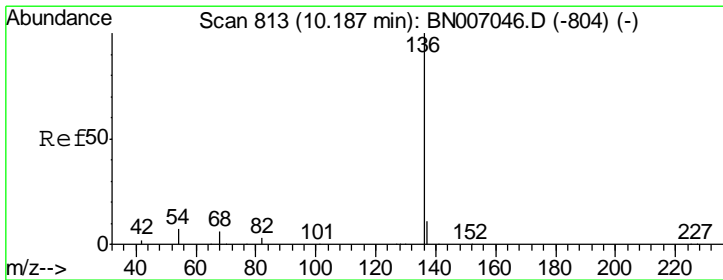
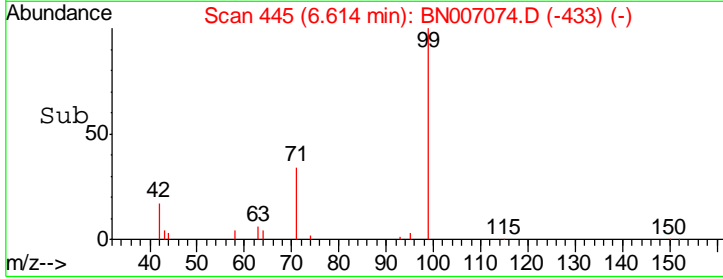
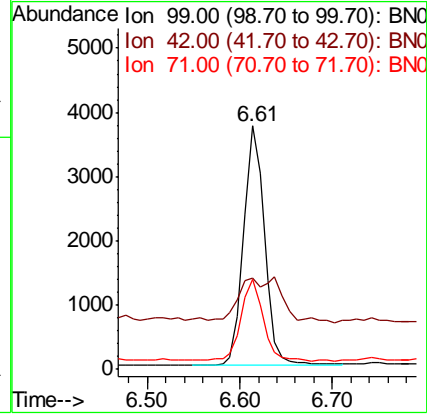
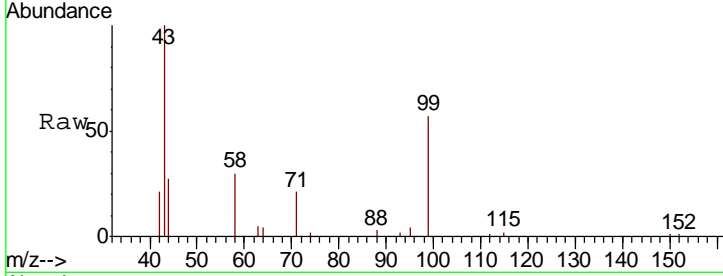




#4
 Phenol-d6
 Concen: 0.197 ng
 RT: 6.61 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

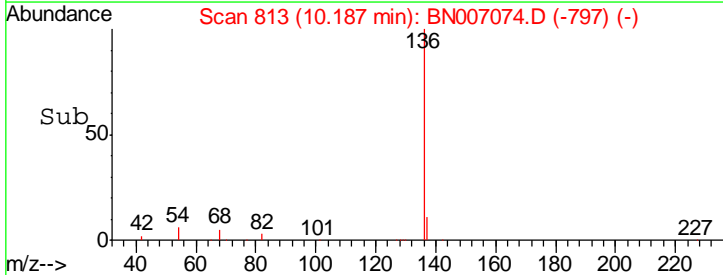
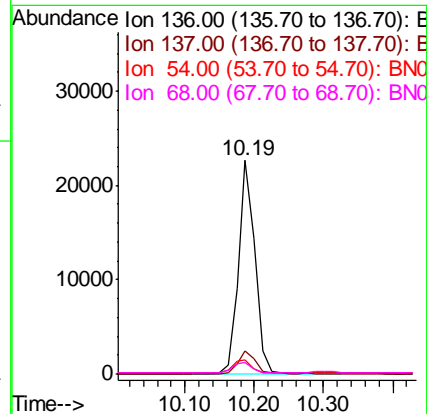
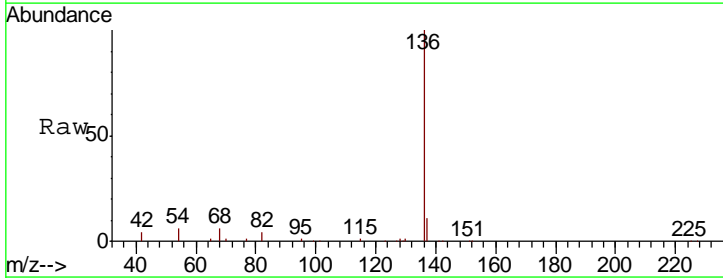
Instrument :
 BNA_F
 ClientSampled :

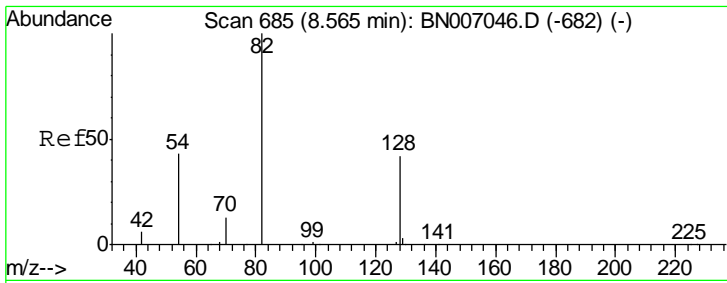
Tgt Ion	Resp	Lower	Upper
99	5788		
42	0.0	15.8	23.6#
71	35.9	27.0	40.4



#6
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.19 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
136	37756		
137	11.0	9.4	14.0
54	6.5	6.6	9.8#
68	5.6	6.0	9.0#

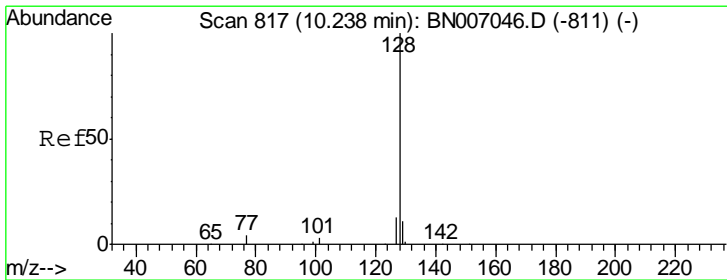
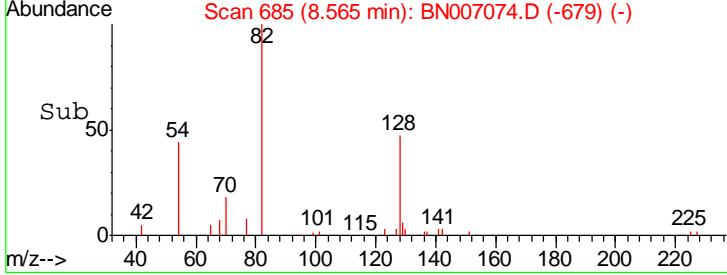
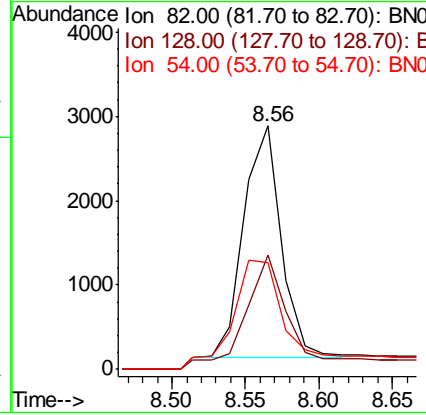
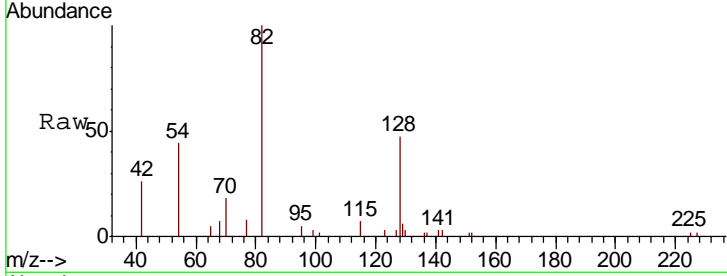




#7
 Nitrobenzene-d5
 Concen: 0.158 ng
 RT: 8.56 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

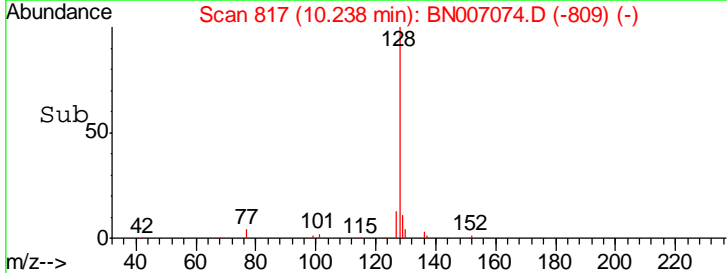
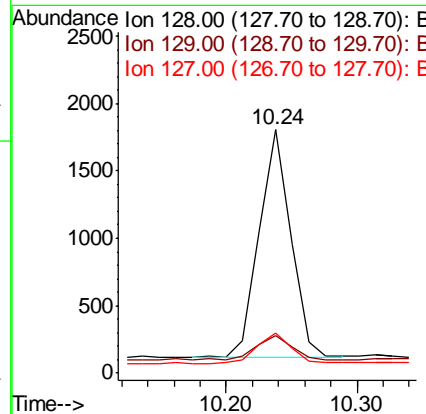
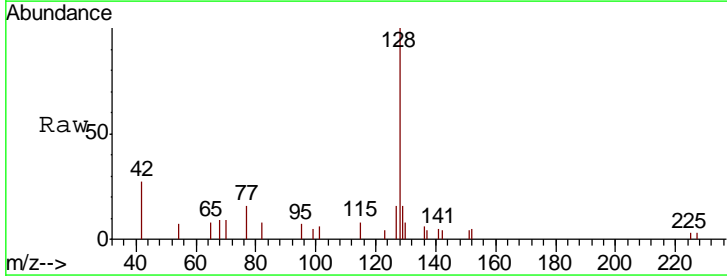
Instrument :
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 ClientSampled :

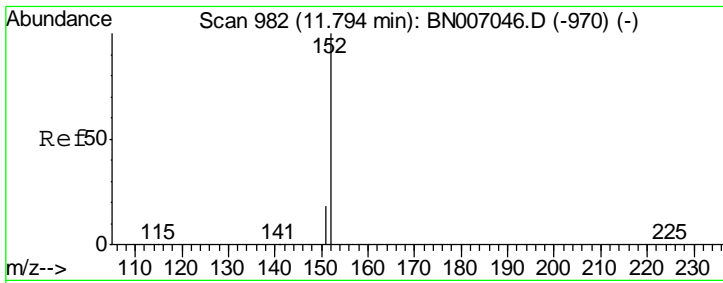
Tgt Ion	Resp	Lower	Upper
82	4818		
128	46.7	34.6	51.8
54	43.6	36.2	54.4



#8
 Naphthalene
 Concen: 0.027 ng
 RT: 10.24 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
128	2849		
129	15.7	9.4	14.2#
127	16.2	11.0	16.6

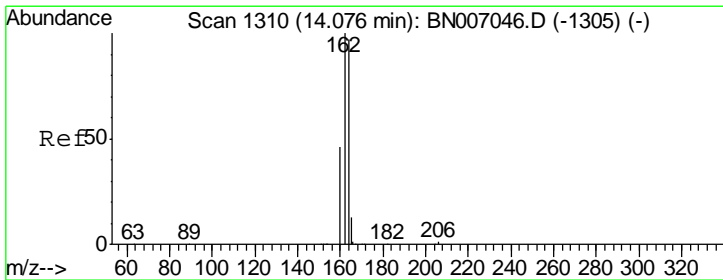
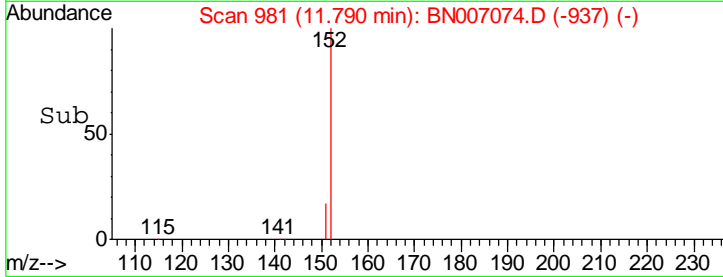
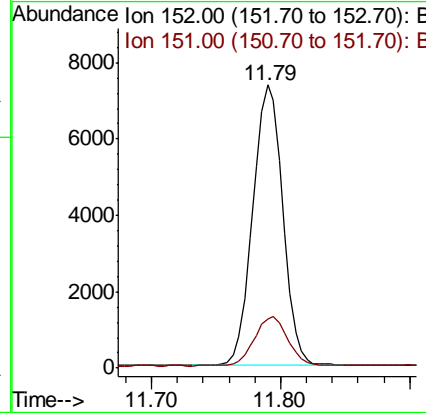
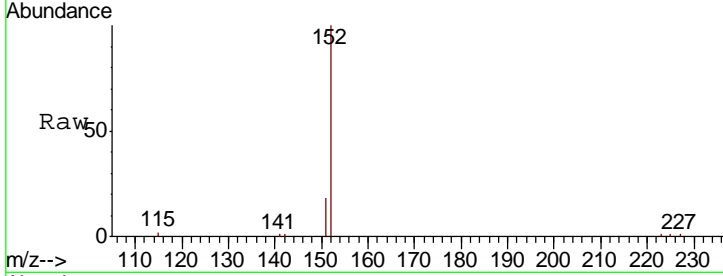




#10
 2-Methylnaphthalene-d10
 Concen: 0.169 ng
 RT: 11.79 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

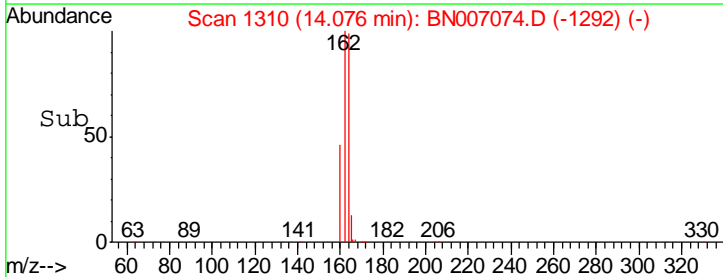
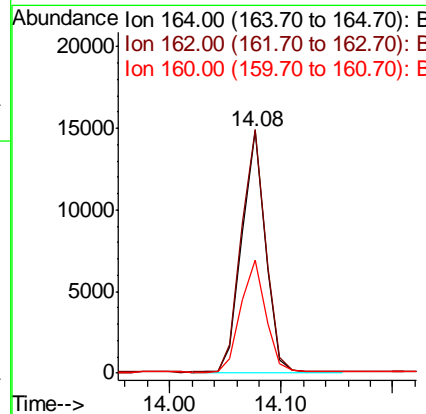
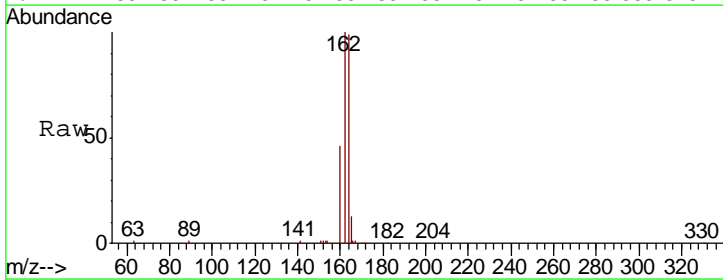
Instrument :
 BNA_F
 ClientSampled :

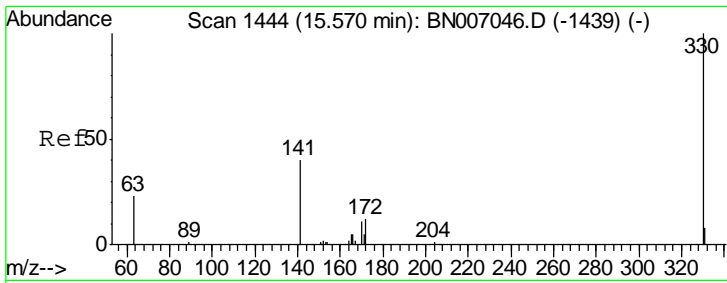
Tgt Ion	Resp	Lower	Upper
152	11910		
151	19.2	15.5	23.3



#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.08 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
164	21505		
162	100.6	82.2	123.4
160	46.6	38.3	57.5

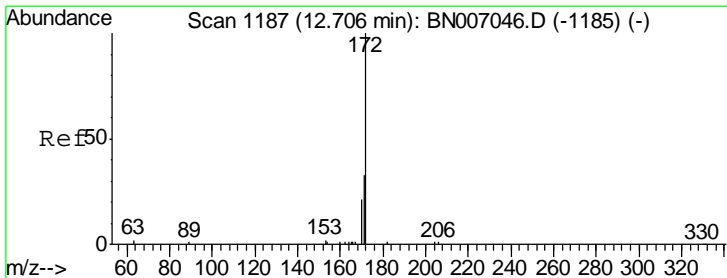
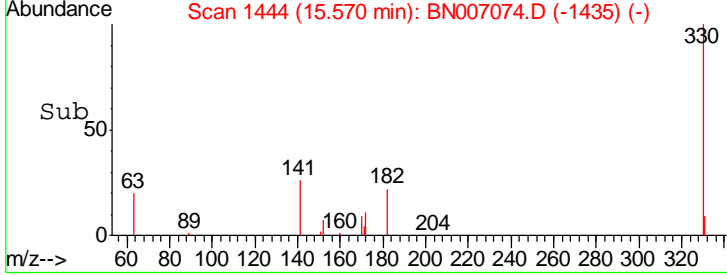
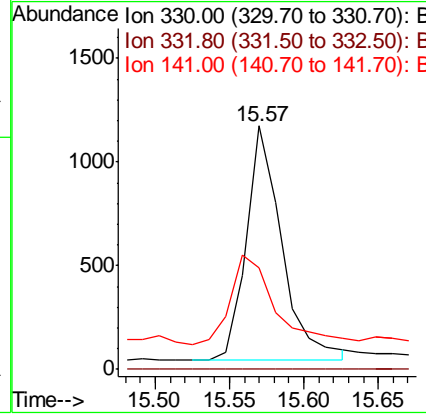
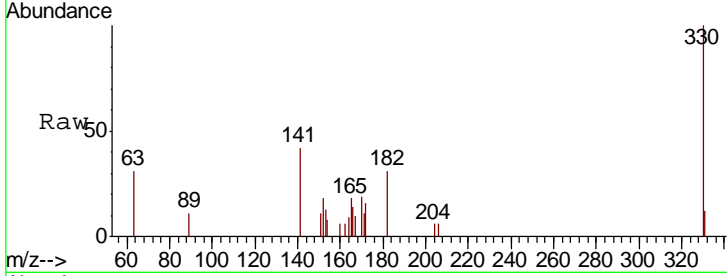




#13
 2,4,6-Tribromophenol
 Concen: 0.161 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

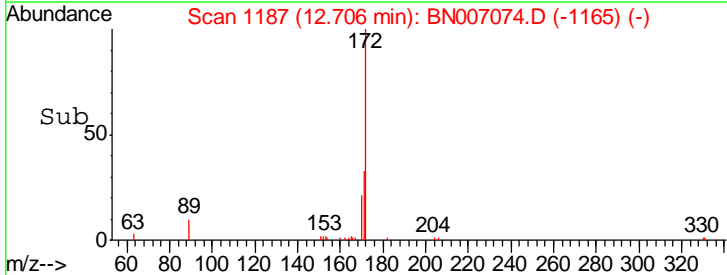
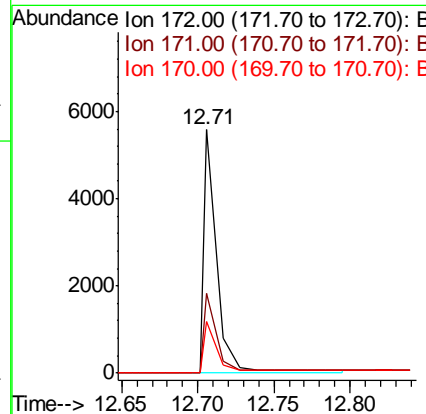
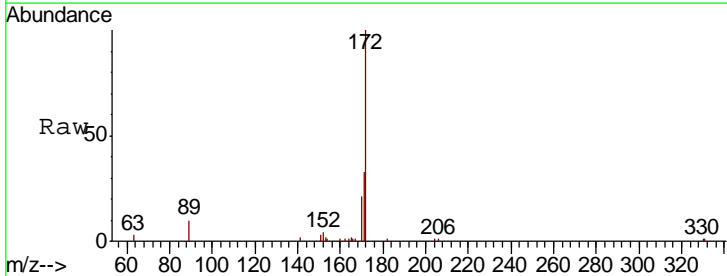
Instrument :
 BNA_F
 ClientSampled :

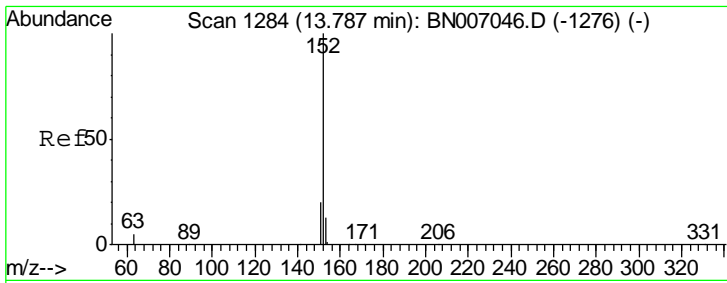
Tgt Ion	Resp	Lower	Upper
330	1860		
332	0.0	0.0	0.0
141	46.9	33.6	50.4



#14
 2-Fluorobiphenyl
 Concen: 0.130 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
172	4062		
171	33.0	26.3	39.5
170	21.1	17.0	25.4

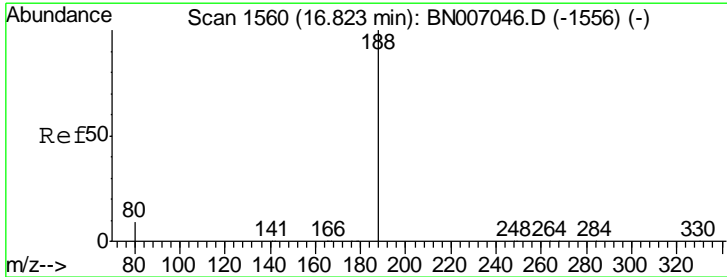
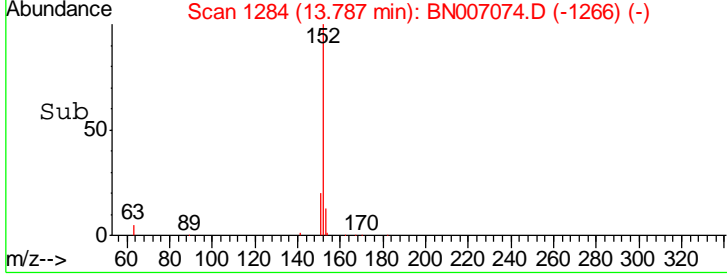
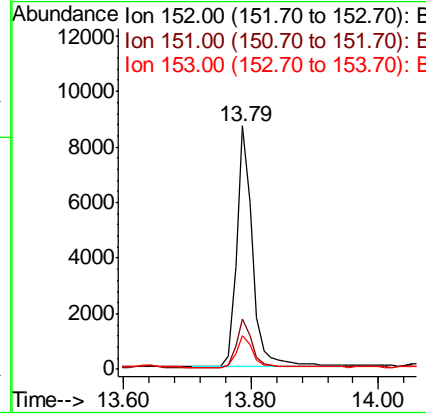
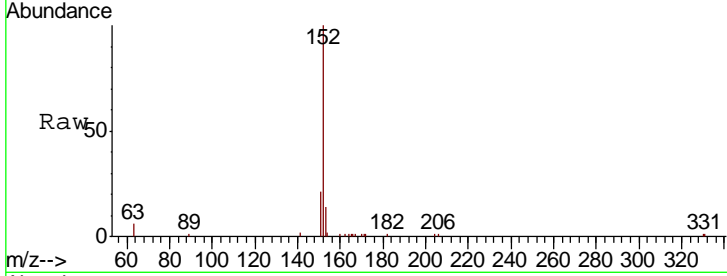




#15
 Acenaphthylene
 Concen: 0.135 ng
 RT: 13.79 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

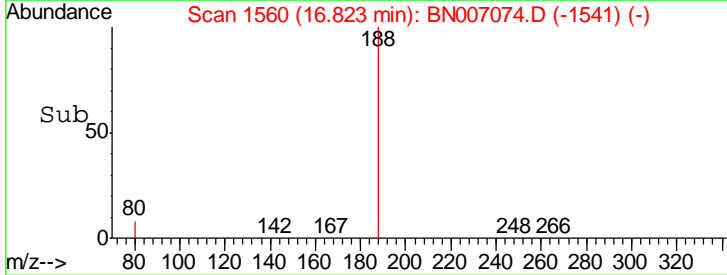
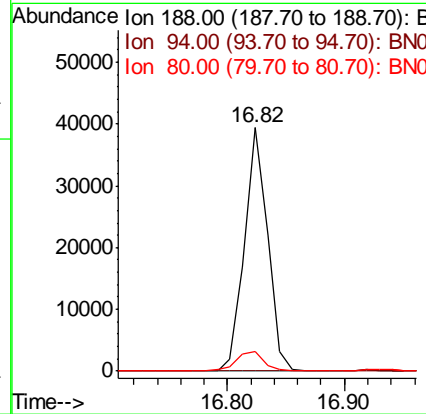
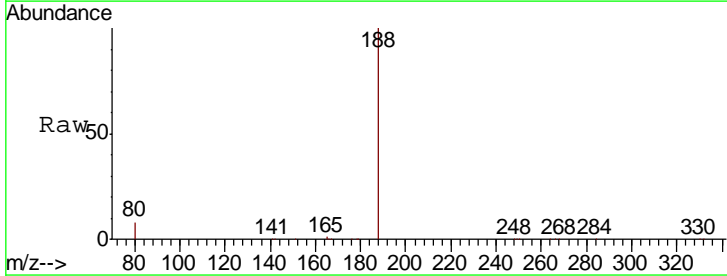
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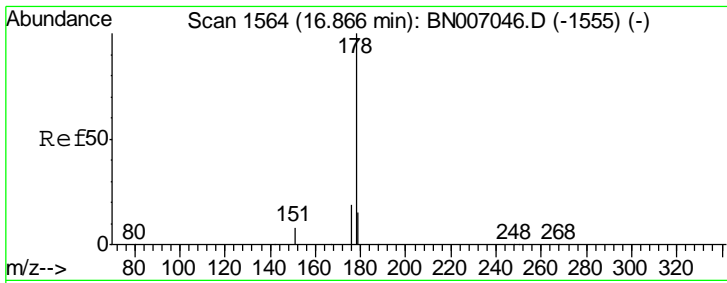
Tgt Ion	Resp	Lower	Upper
152	15120		
151	20.6	15.8	23.6
153	13.4	10.4	15.6



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
188	53416		
94	0.0	0.0	0.0
80	7.9	7.8	11.6

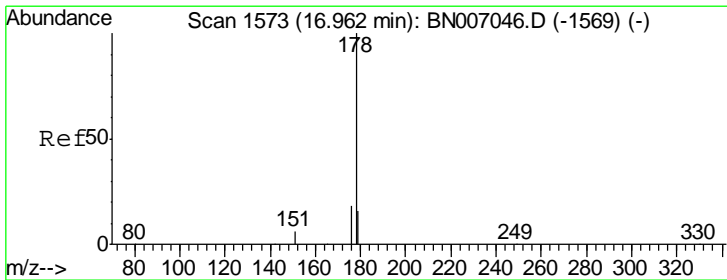
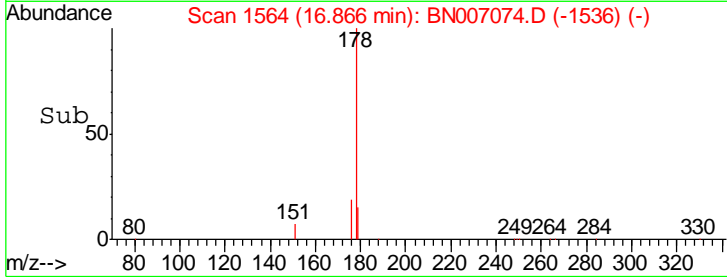
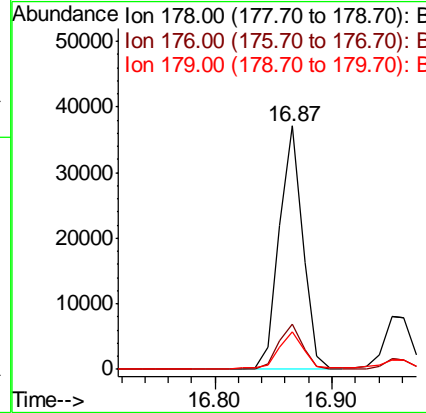
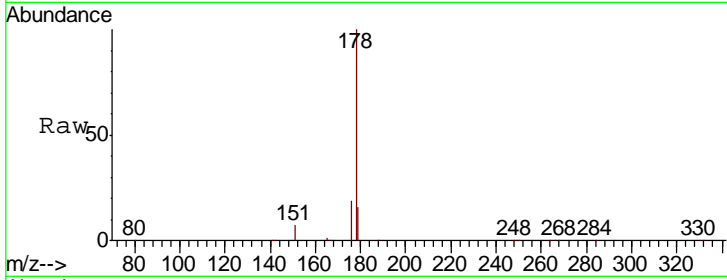




#22
 Phenanthrene
 Concen: 0.321 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

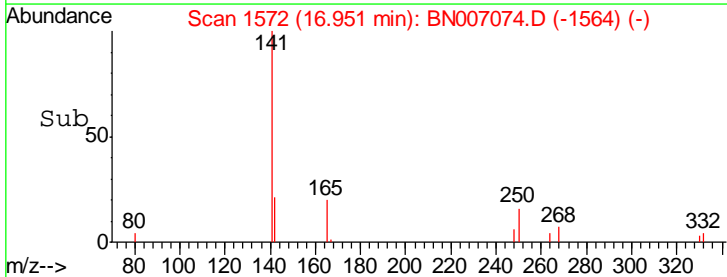
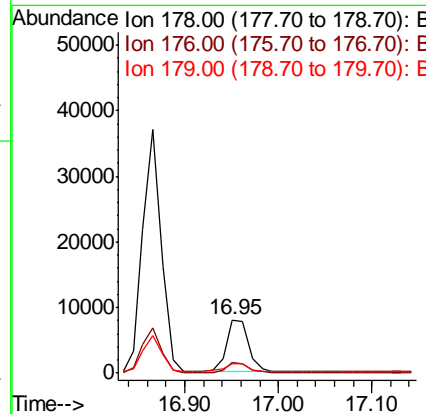
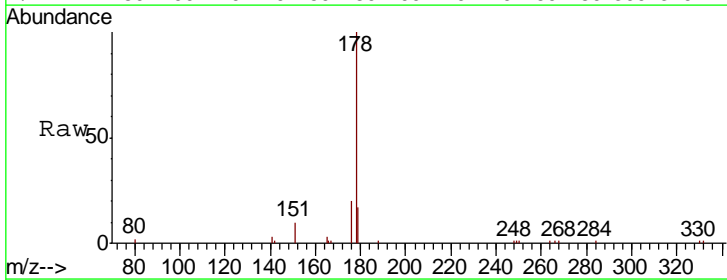
Instrument :
 BNA_F
 ClientSampled :

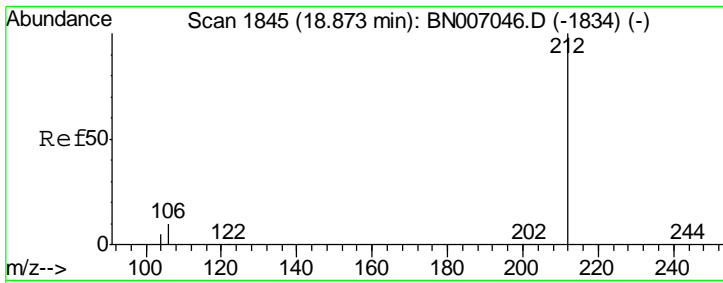
Tgt Ion	Resp	Lower	Upper
178	51459		
176	19.0	15.2	22.8
179	15.7	12.3	18.5



#23
 Anthracene
 Concen: 0.090 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
178	13209		
176	18.7	14.6	21.8
179	16.5	12.5	18.7

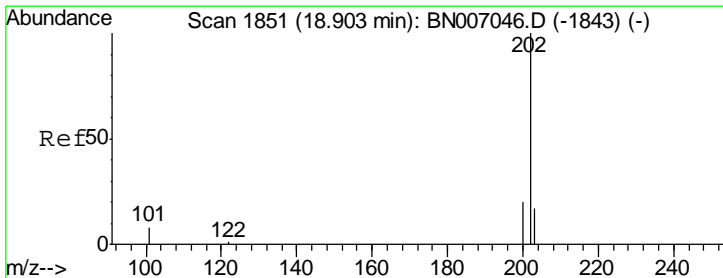
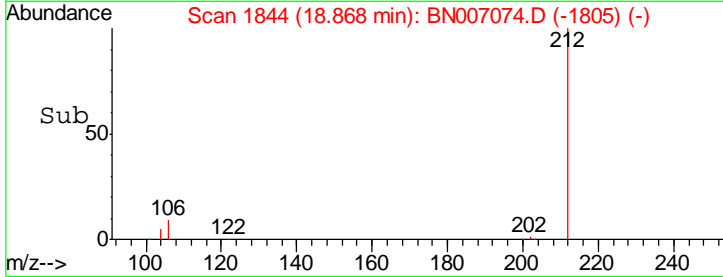
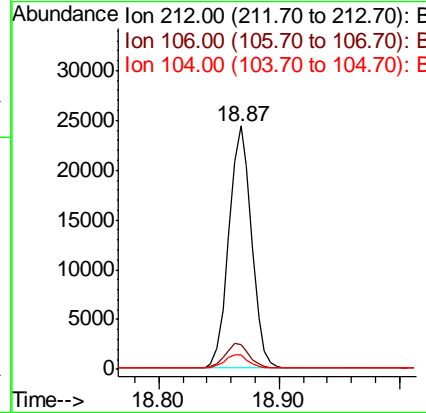
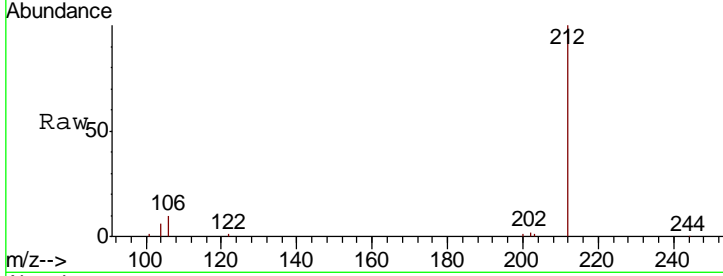




#24
 Fluoranthene-d10
 Concen: 0.168 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

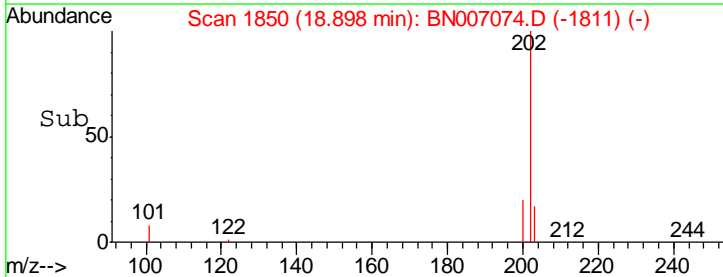
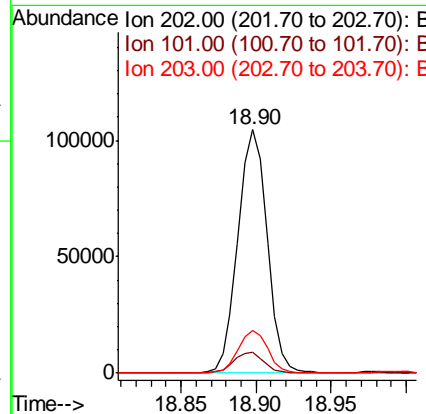
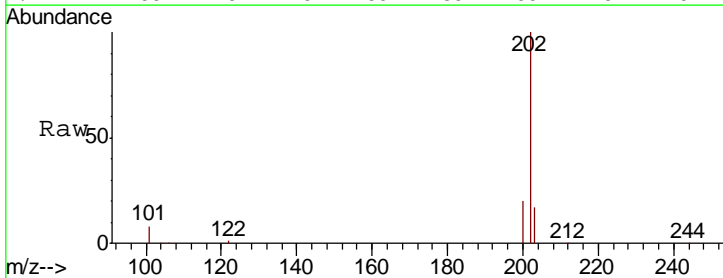
Instrument :
 BNA_F
 ClientSampled :

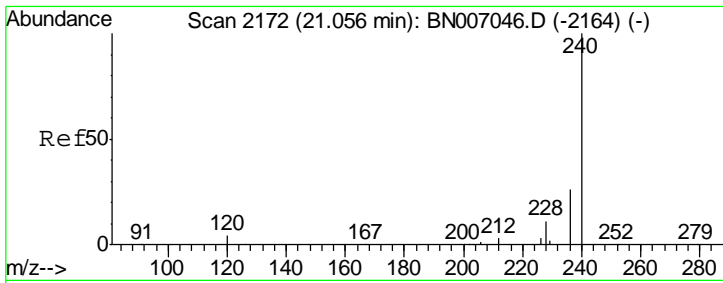
Tgt Ion	Resp	Lower	Upper
212	31781		
106	10.2	8.2	12.2
104	5.7	4.5	6.7



#25
 Fluoranthene
 Concen: 0.683 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
202	139859		
101	8.5	7.0	10.4
203	17.3	13.8	20.8



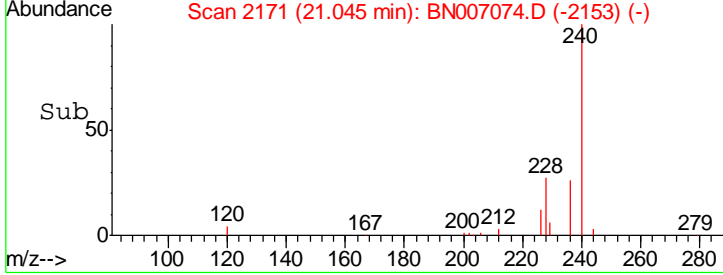
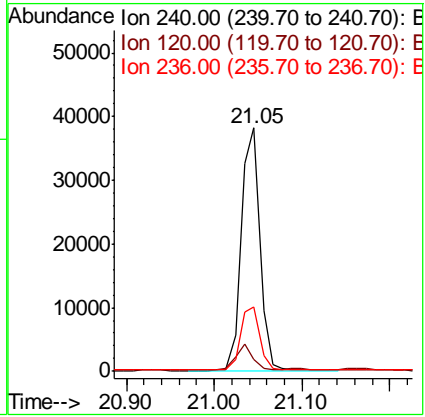
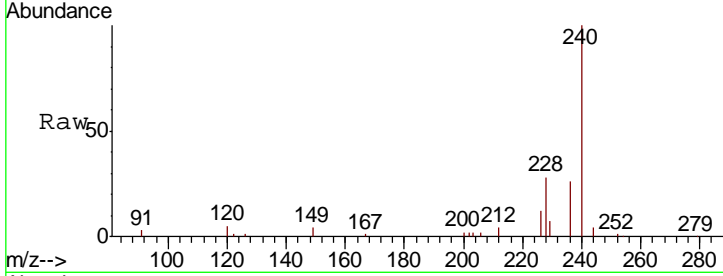


#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.05 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 240 Resp: 55951

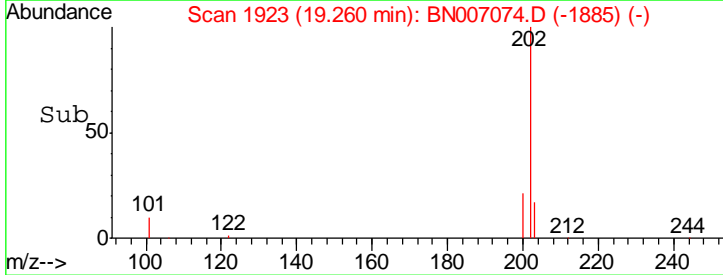
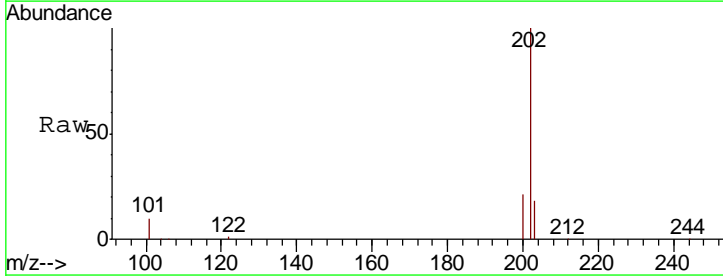
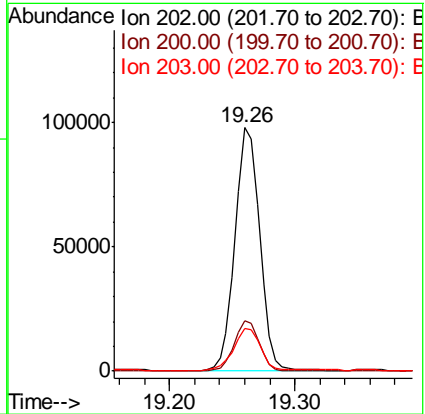
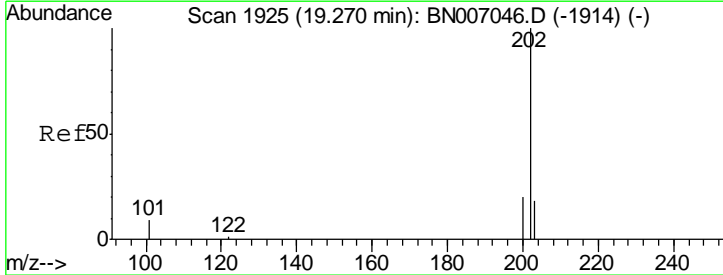
Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.0	6.0
236	26.4	21.3	31.9

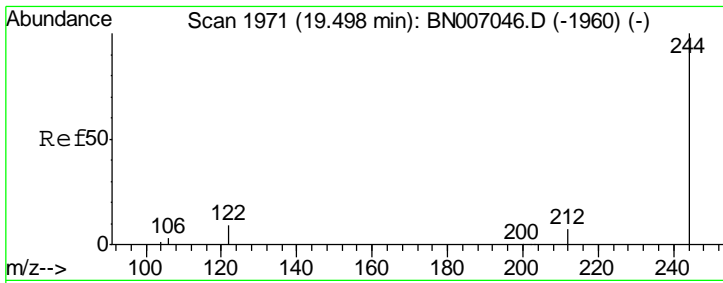


#27
 Pyrene
 Concen: 0.679 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion: 202 Resp: 133157

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	19.2	14.0	21.0

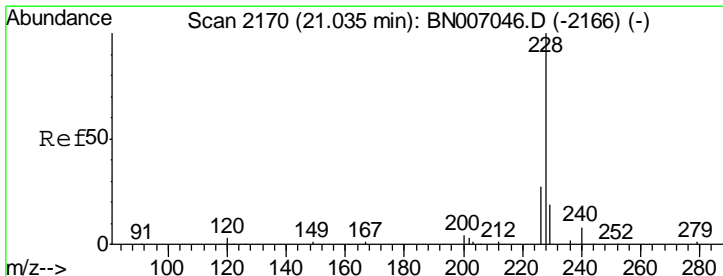
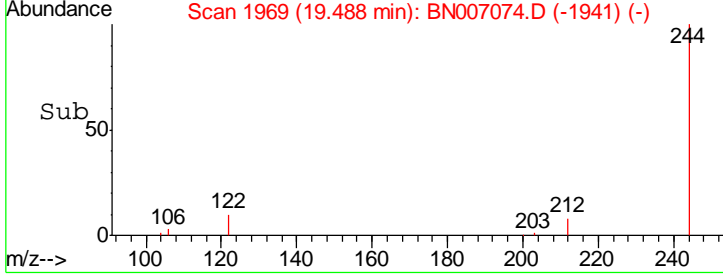
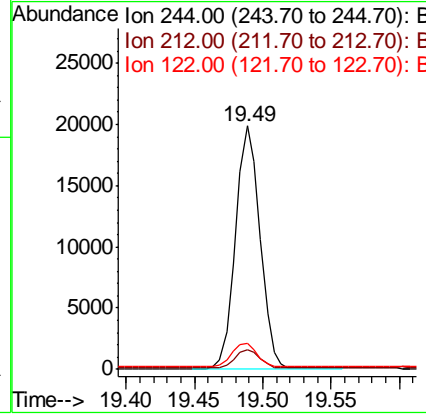
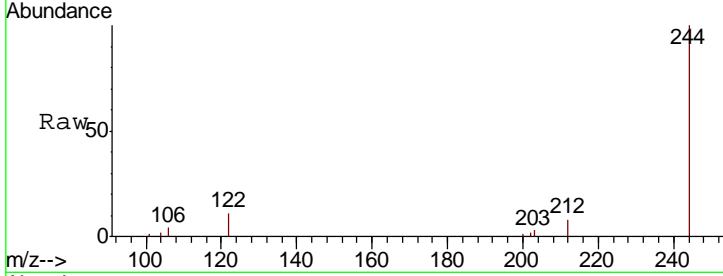




#28
 Terphenyl-d14
 Concen: 0.161 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

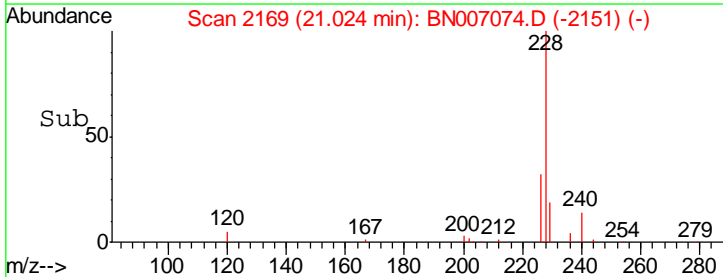
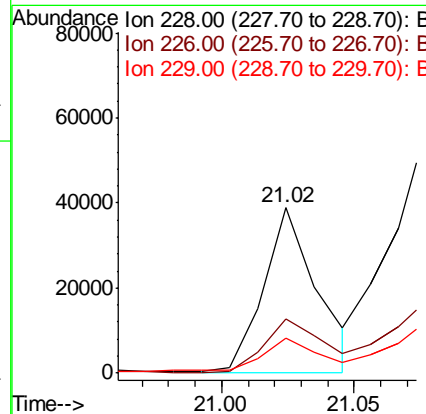
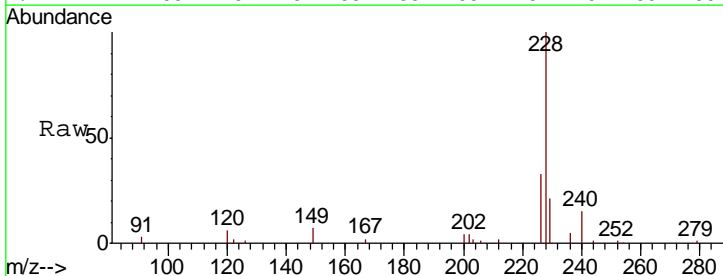
Instrument :
 BNA_F
 ClientSampled :

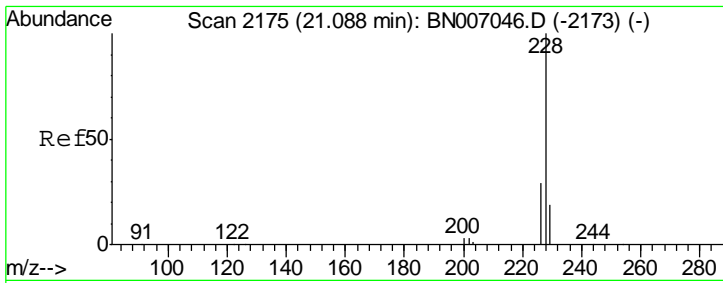
Tgt Ion	Resp	Lower	Upper
244	24506		
212	8.1	6.2	9.2
122	10.6	7.4	11.2



#29
 Benzo(a)anthracene
 Concen: 0.267 ng m
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
228	54700		
226	32.9	21.8	32.6#
229	20.9	15.6	23.4

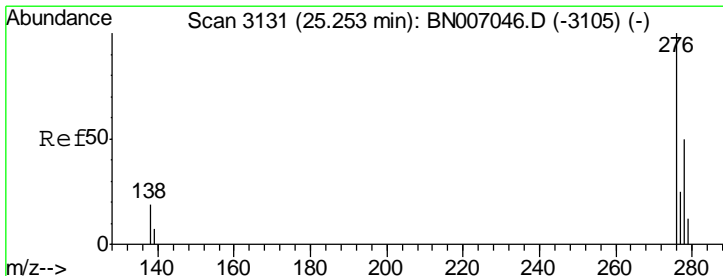
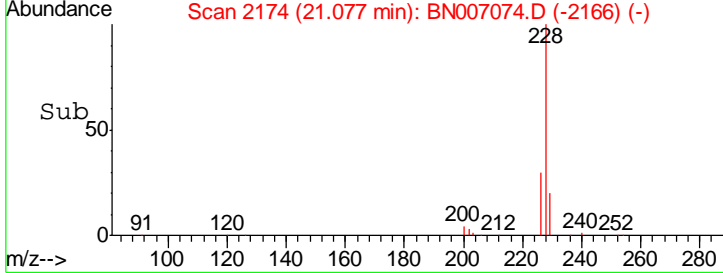
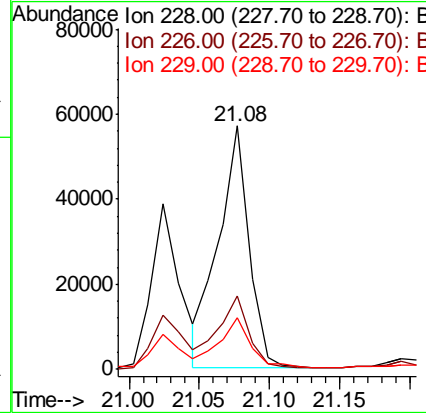
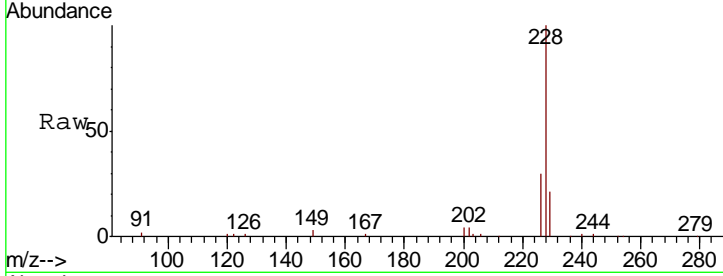




#30
 Chrysene
 Concen: 0.431 ng
 RT: 21.08 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

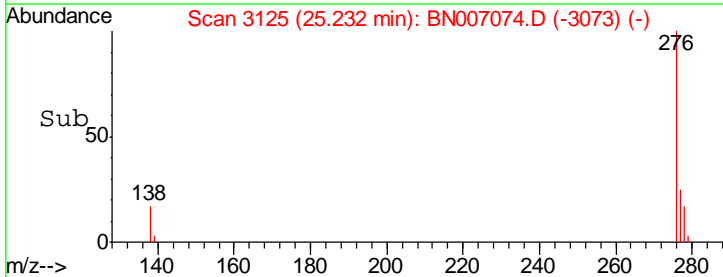
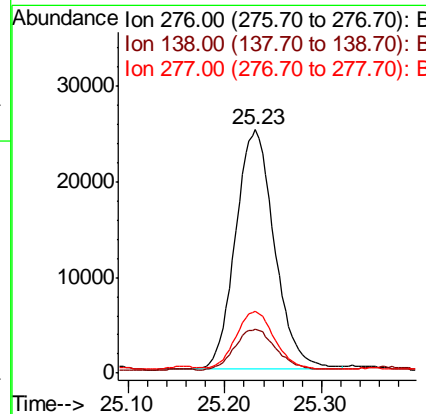
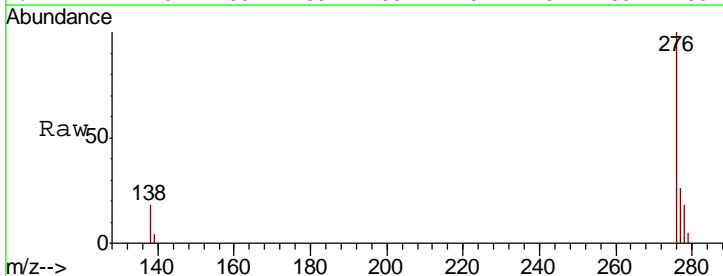
Instrument :
 BNA_F
 ClientSampled :

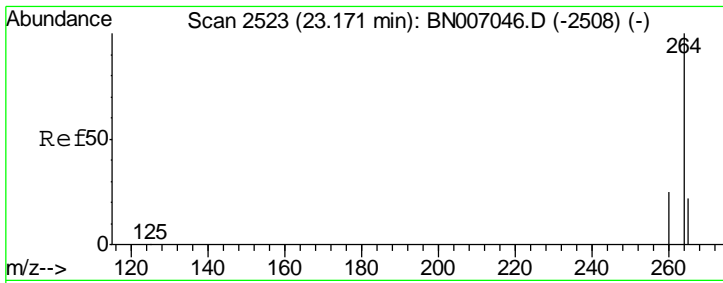
Tgt Ion	Resp	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.3	15.7	23.5



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.318 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
276	100		
138	18.0	16.0	24.0
277	24.2	19.9	29.9

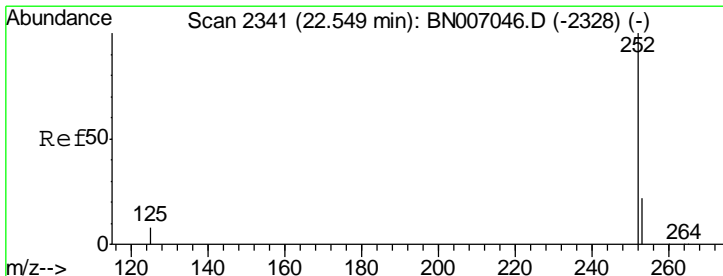
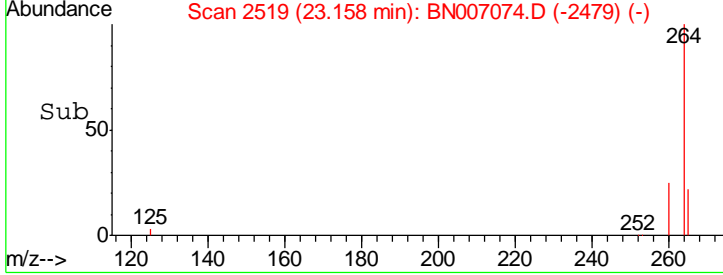
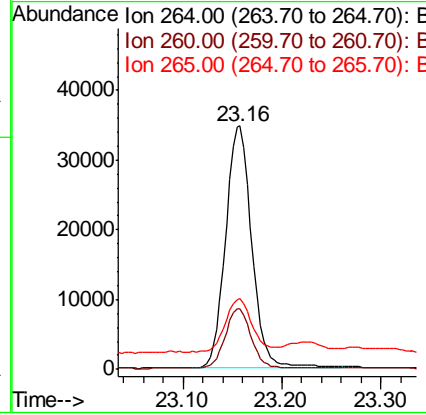
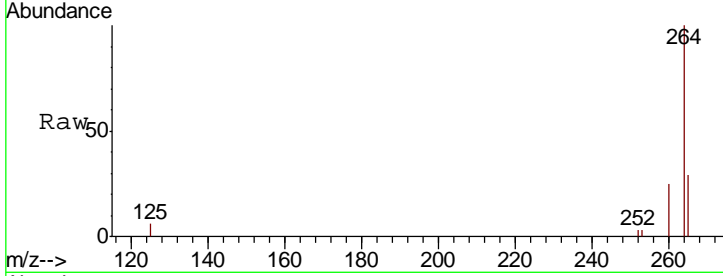




#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

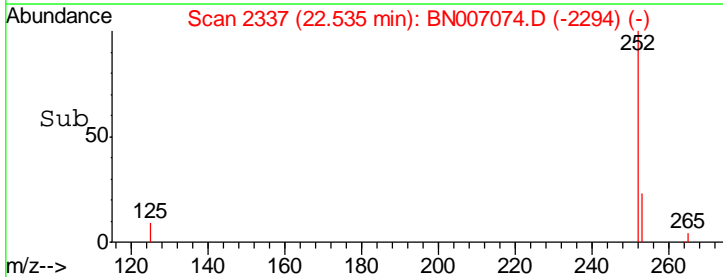
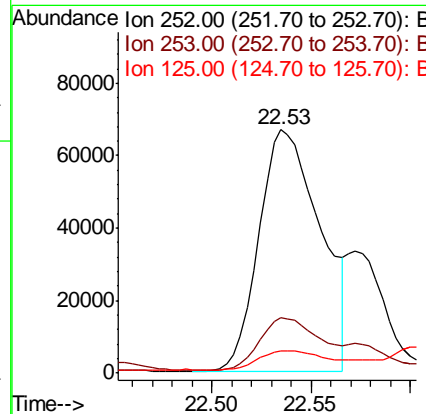
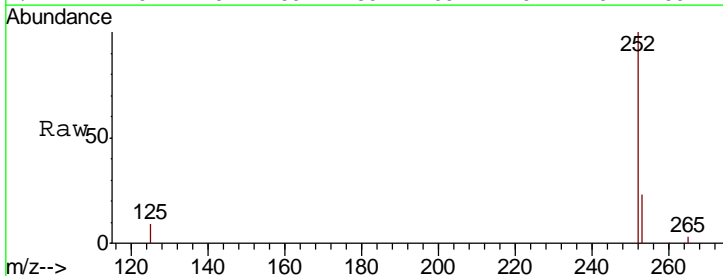
Instrument :
 BNA_F
 ClientSampled :

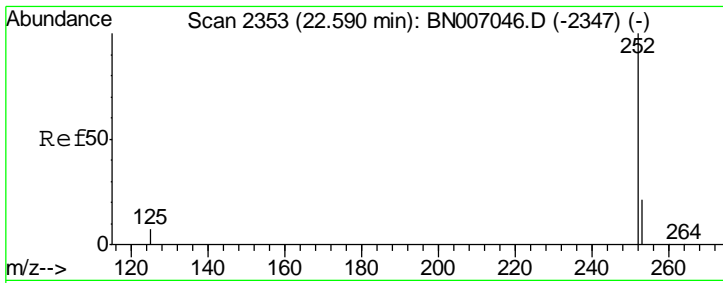
Tgt Ion	Resp	Lower	Upper
264	63432		
260	25.0	19.8	29.8
265	28.8	26.2	39.4



#33
 Benzo(b)fluoranthene
 Concen: 0.662 ng
 RT: 22.53 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
252	143981		
253	22.6	18.2	27.2
125	9.2	7.4	11.0

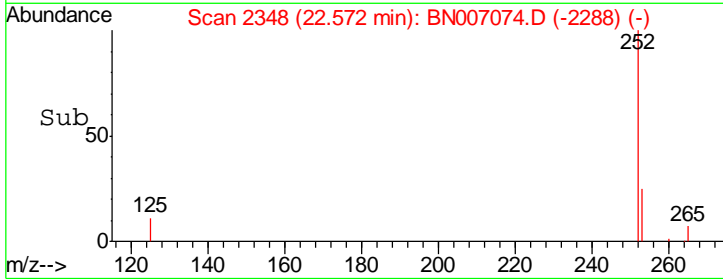
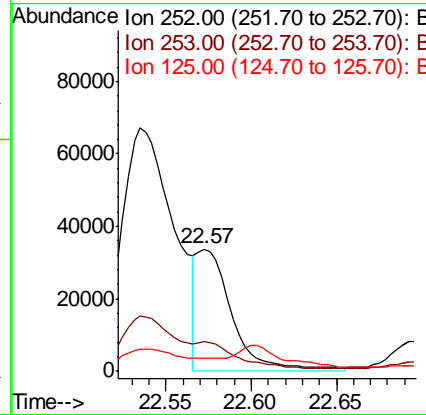
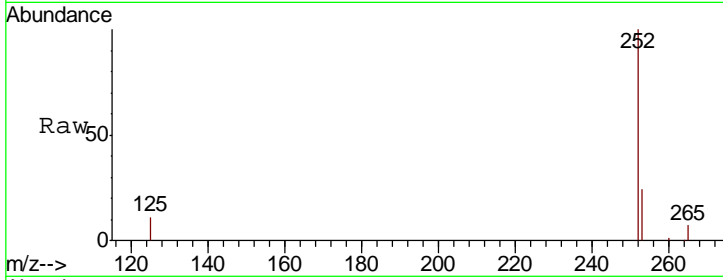




#34
 Benzo(k)fluoranthene
 Concen: 0.226 ng m
 RT: 22.57 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

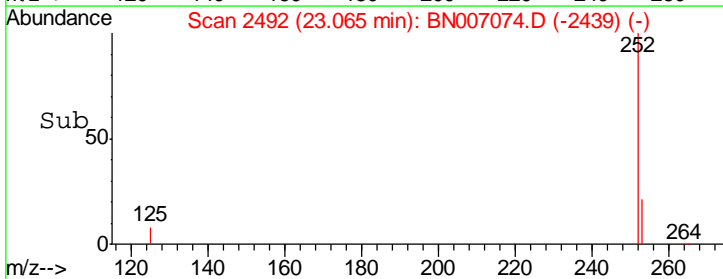
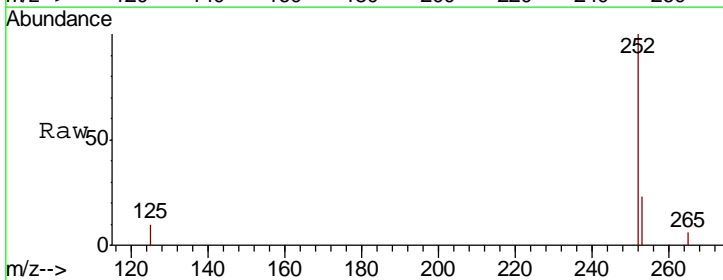
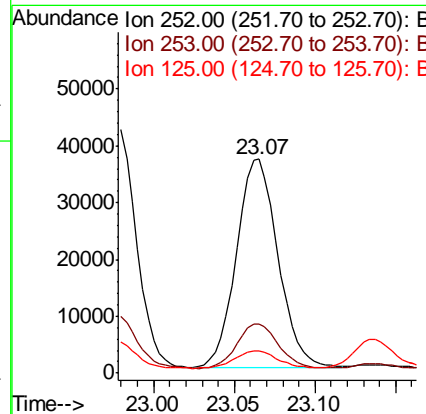
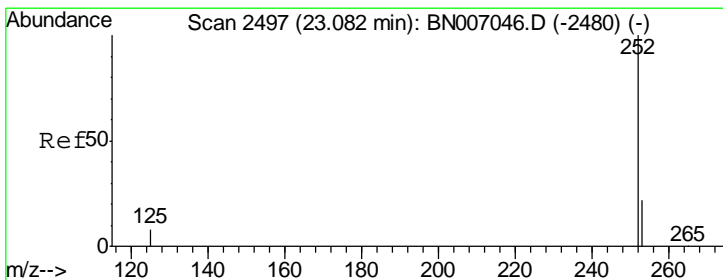
Instrument :
 BNA_F
 ClientSampled :

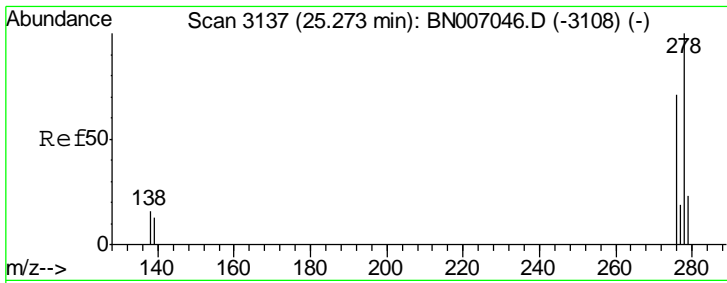
Tgt Ion	Resp	Lower	Upper
252	48570		
253	24.1	18.1	27.1
125	10.8	7.4	11.0



#35
 Benzo(a)pyrene
 Concen: 0.333 ng
 RT: 23.07 min Scan# 2492
 Delta R.T. -0.02 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
252	65720		
253	23.1	18.5	27.7
125	10.4	8.2	12.4

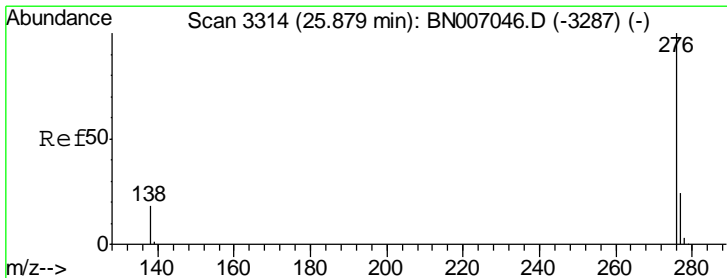
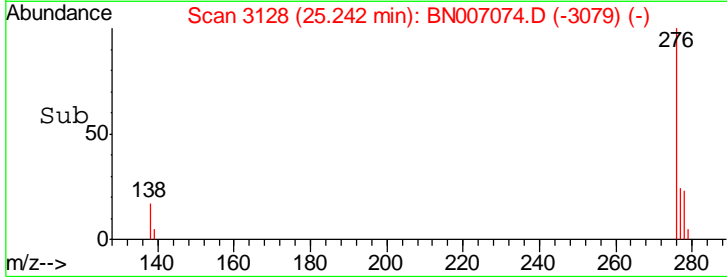
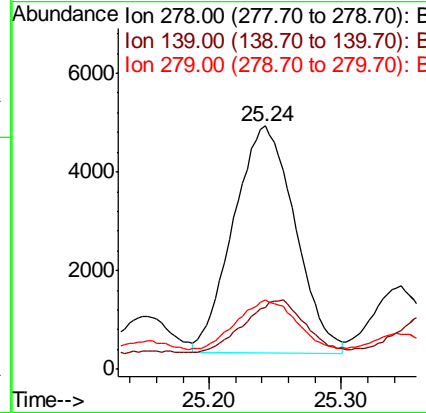
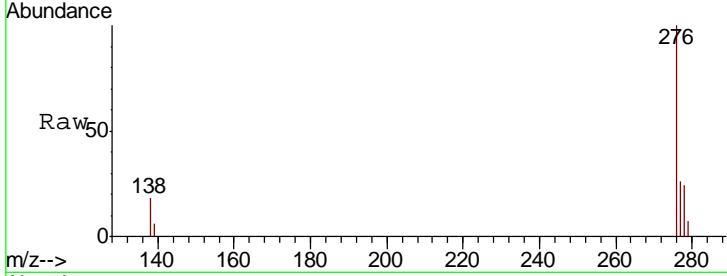




#36
 Dibenzo(a,h)anthracene
 Concen: 0.076 ng
 RT: 25.24 min Scan# 3128
 Delta R.T. -0.03 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
278	14947		
139	25.5	11.3	16.9#
279	28.5	19.3	28.9



#37
 Benzo(g,h,i)perylene
 Concen: 0.361 ng
 RT: 25.86 min Scan# 3308
 Delta R.T. -0.02 min
 Lab File: BN007074.D
 Acq: 11 Aug 2019 07:24

Tgt Ion	Resp	Lower	Upper
276	73141		
277	25.0	19.8	29.8
138	18.8	14.6	22.0

