

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051421\
 Data File : BP005560.D
 Acq On : 14 May 2021 21:31
 Operator : CG/JU
 Sample : M2389-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-1-2

Quant Time: May 14 22:57:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 12:01:17 2021
 Response via : Initial Calibration

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

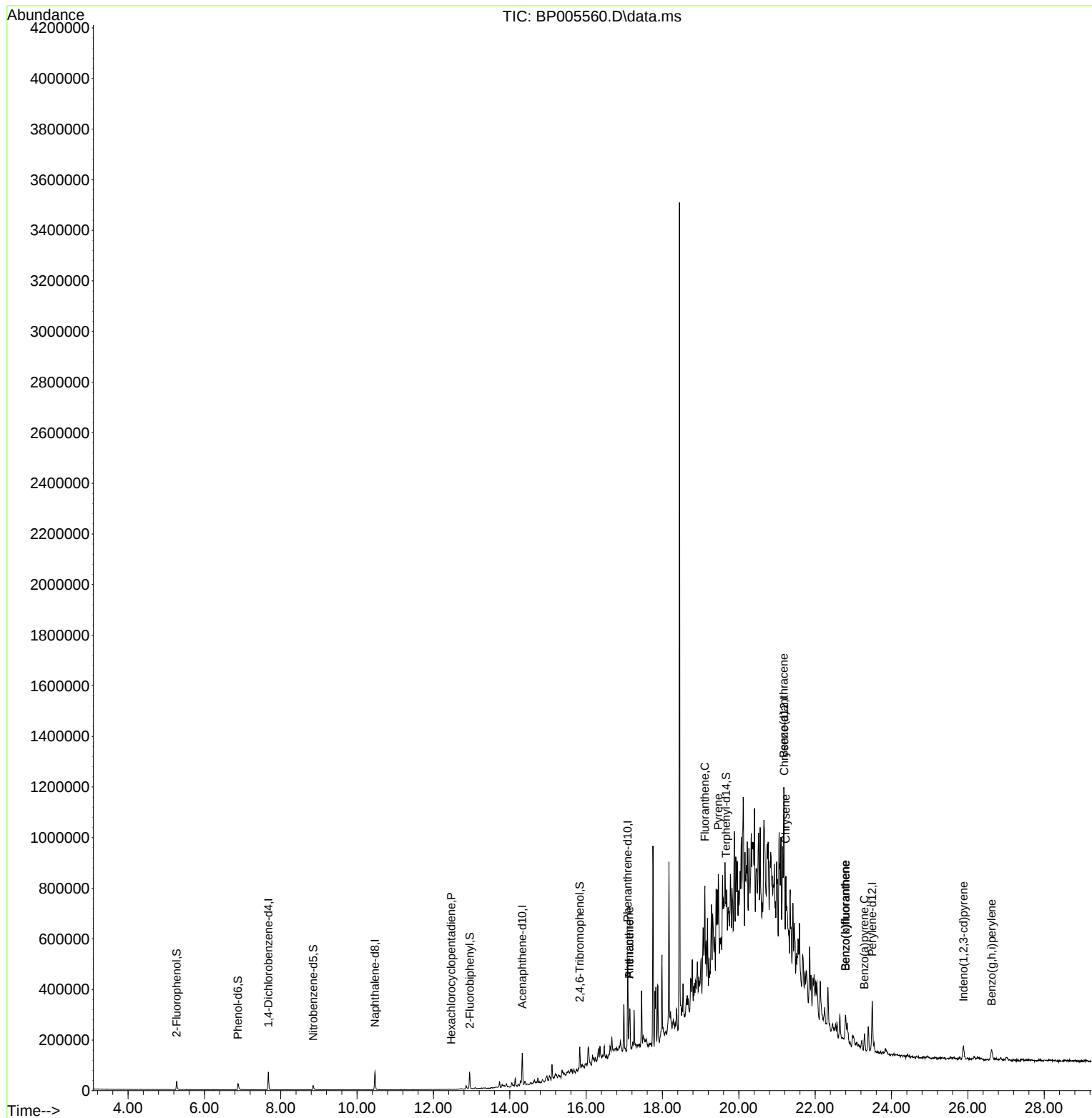
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	14681	20.00	ng	0.00
21) Naphthalene-d8	10.469	136	46018	20.00	ng	# 0.00
39) Acenaphthene-d10	14.328	164	37128	20.00	ng	0.00
64) Phenanthrene-d10	17.086	188	102033	20.00	ng	# 0.00
76) Chrysene-d12	21.192	240	145015	20.00	ng	0.00
86) Perylene-d12	23.492	264	145423	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	11715	15.31	ng	0.00
7) Phenol-d6	6.881	99	12462	13.06	ng	0.00
23) Nitrobenzene-d5	8.852	82	10115	8.65	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	13014	12.35	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	29029	8.82	ng	0.00
79) Terphenyl-d14	19.663	244	75404	8.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.158	88	37	Below Cal	#	37
9) Benzaldehyde	6.840	77	41	Below Cal	#	9
41) Hexachlorocyclopentadiene	12.469	237	17	7.89	ng	75
71) Phenanthrene	17.128	178	53745	9.27	ng	# 96
72) Anthracene	17.128	178	53745	9.34	ng	97
75) Fluoranthene	19.110	202	142558	17.88	ng	80
78) Pyrene	19.463	202	126796	15.44	ng	# 74
81) Benzo(a)anthracene	21.174	228	89896	9.57	ng	# 93
83) Chrysene	21.227	228	73539	8.07	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.886	276	57751	4.72	ng	# 97
88) Benzo(b)fluoranthene	22.792	252	106990	11.04	ng	# 99
89) Benzo(k)fluoranthene	22.792	252	106990	11.29	ng	# 96
90) Benzo(a)pyrene	23.292	252	45511	5.12	ng	97
92) Benzo(g,h,i)perylene	26.621	276	52379	5.24	ng	# 92

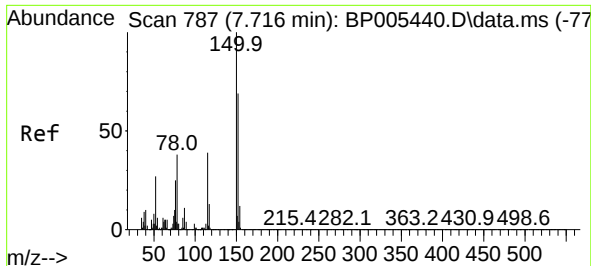
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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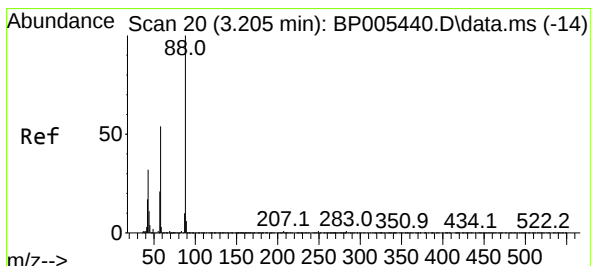
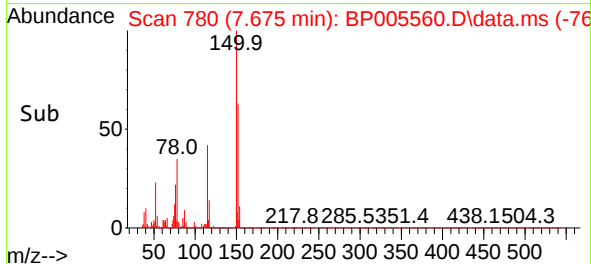
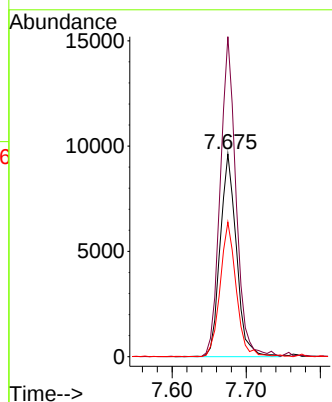
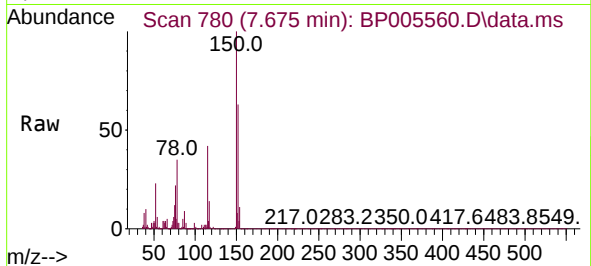




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 780
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

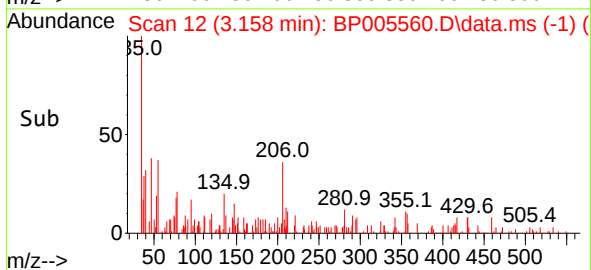
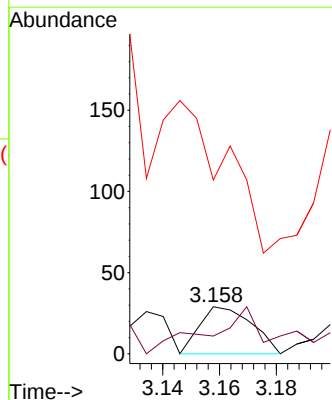
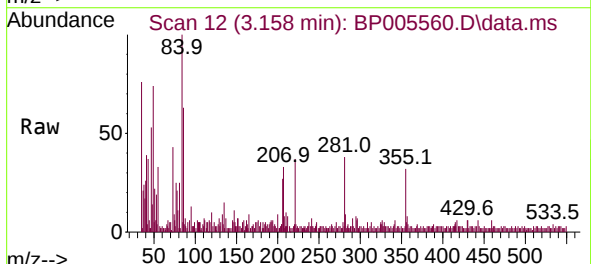
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ClientSampleId :
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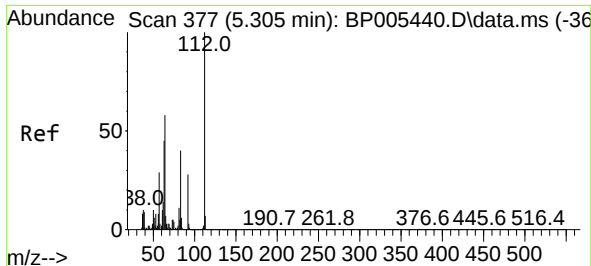
Tgt Ion:152 Resp: 14681
Ion Ratio Lower Upper
152 100
150 157.8 119.8 179.8
115 66.4 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.158 min Scan# 12
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
58 102.7 42.5 63.7#
43 0.0 19.8 29.8#

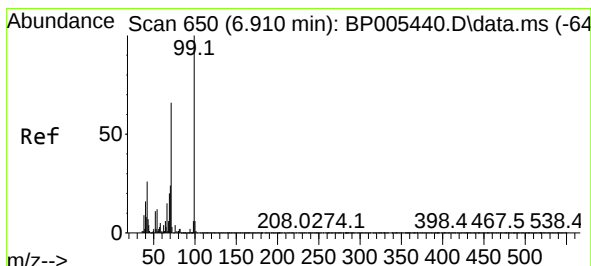
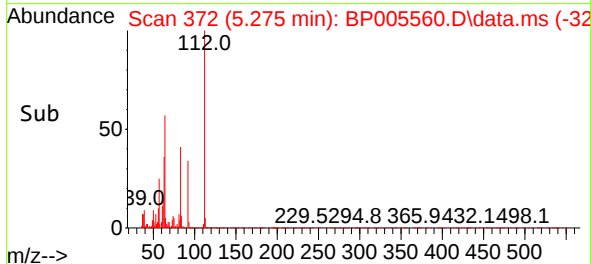
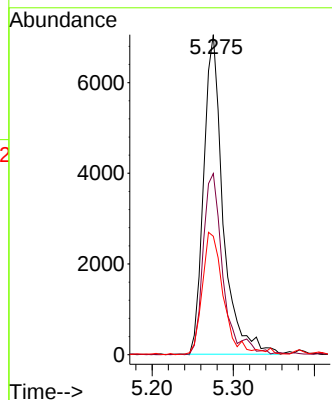
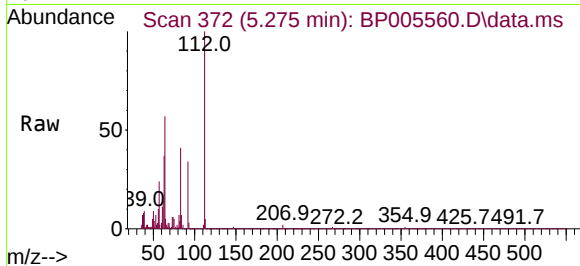




#5
2-Fluorophenol
Concen: 15.31 ng
RT: 5.275 min Scan# 372
Delta R.T. 0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

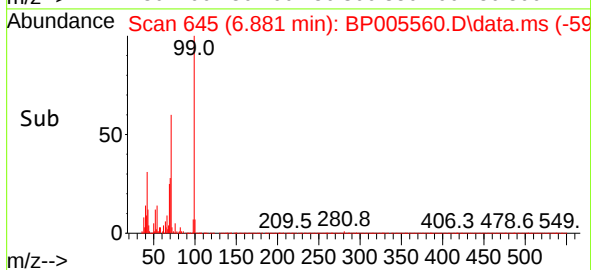
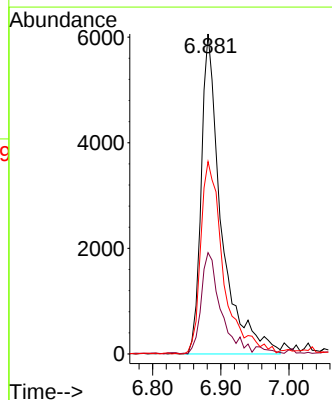
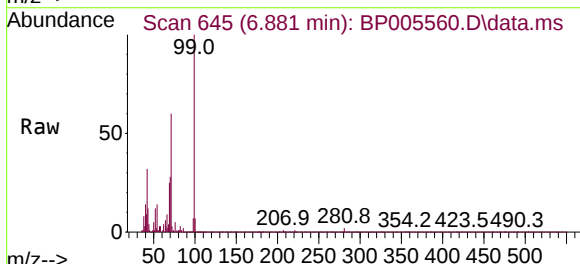
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

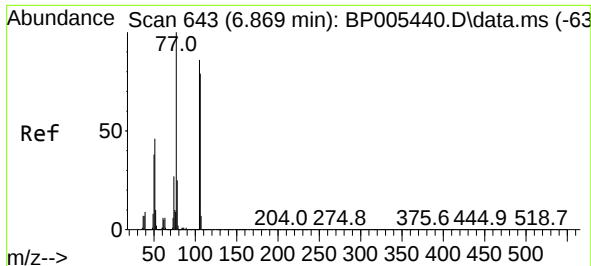
Tgt Ion:112 Resp: 11715
Ion Ratio Lower Upper
112 100
64 56.6 33.6 50.4#
63 37.0 18.6 27.8#



#7
Phenol-d6
Concen: 13.06 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion: 99 Resp: 12462
Ion Ratio Lower Upper
99 100
42 31.7 12.9 19.3#
71 60.1 26.7 40.1#

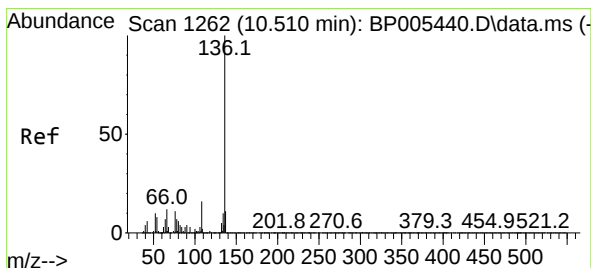
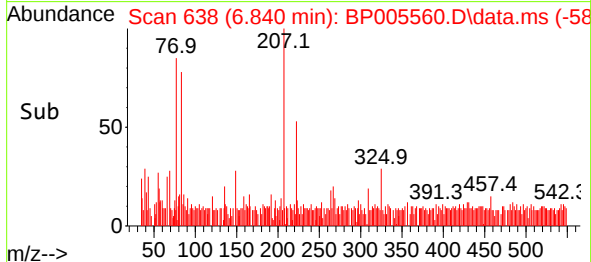
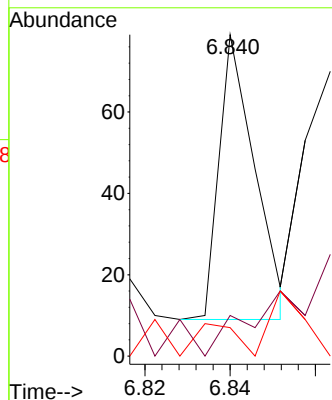
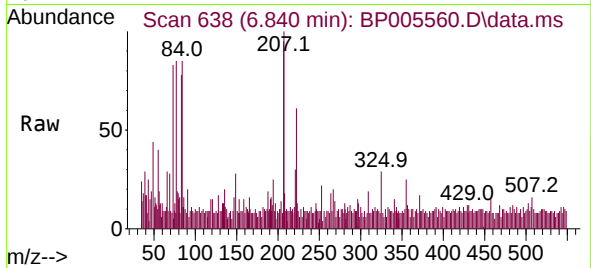




#9
Benzaldehyde
Concen: Below Cal
RT: 6.840 min Scan# 638
Delta R.T. 0.012 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

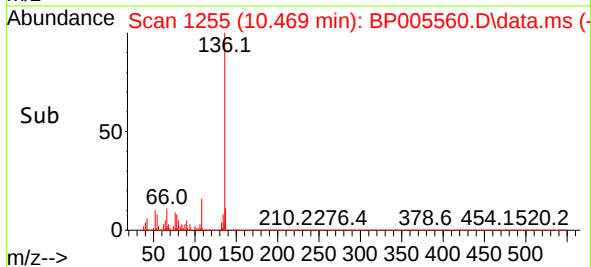
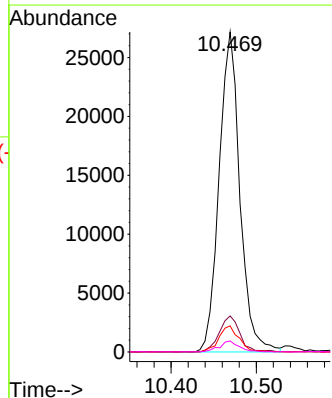
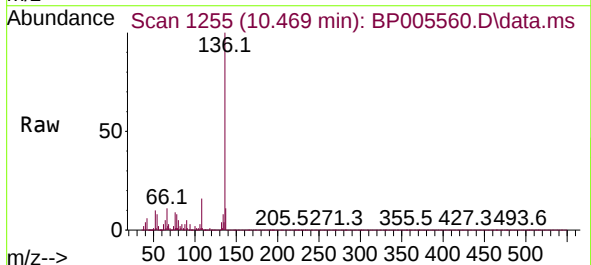
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

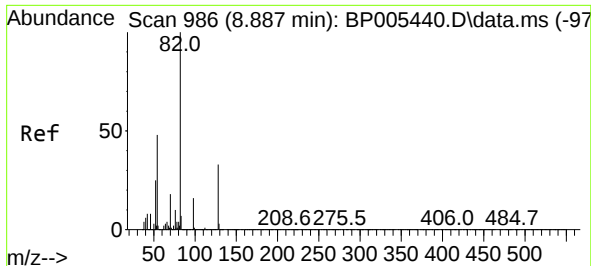
Tgt Ion: 77 Resp: 41
Ion Ratio Lower Upper
77 100
105 12.7 89.4 129.4#
106 8.9 79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.469 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion: 136 Resp: 46018
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.1 5.0 7.4#
68 3.5 3.7 5.5#

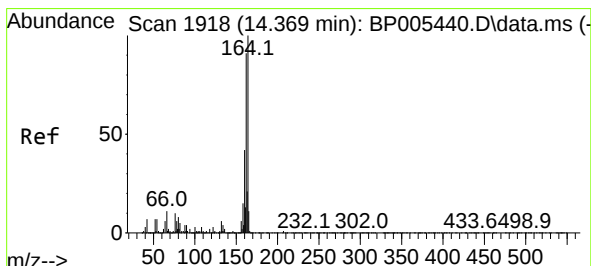
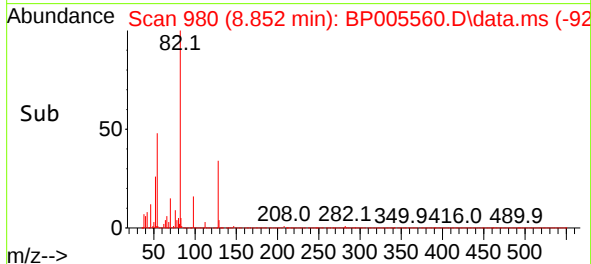
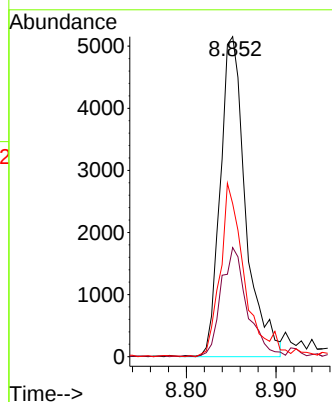
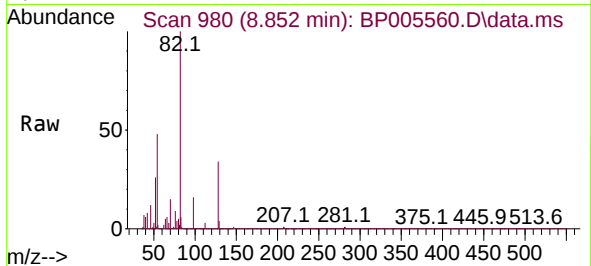




#23
Nitrobenzene-d5
Concen: 8.65 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

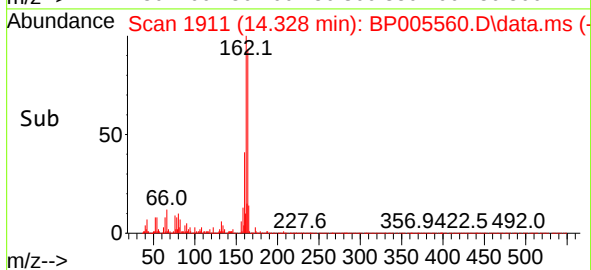
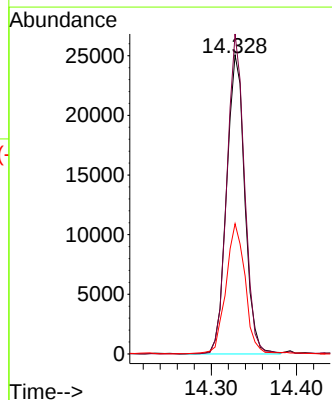
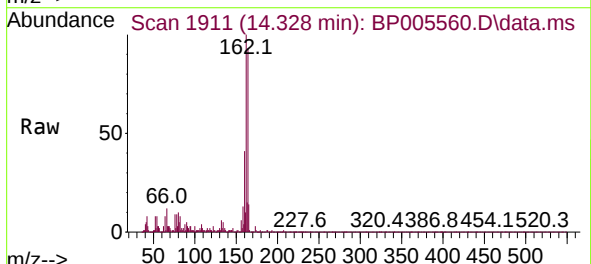
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

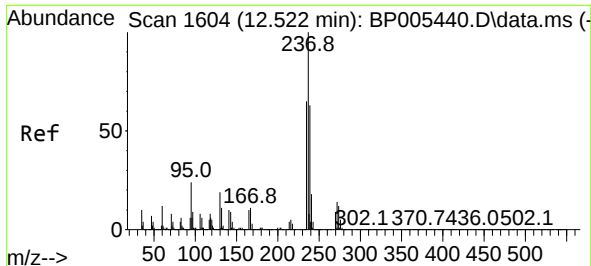
Tgt Ion: 82 Resp: 10115
Ion Ratio Lower Upper
82 100
128 34.1 30.5 45.7
54 47.8 33.9 50.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.328 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion: 164 Resp: 37128
Ion Ratio Lower Upper
164 100
162 107.0 73.5 110.3
160 43.6 40.6 61.0

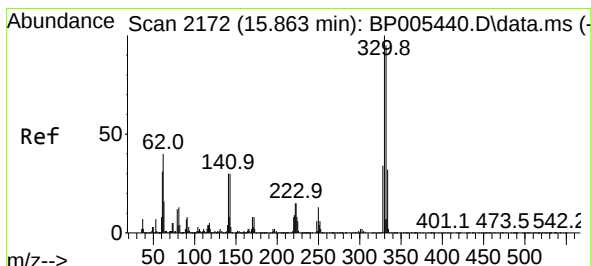
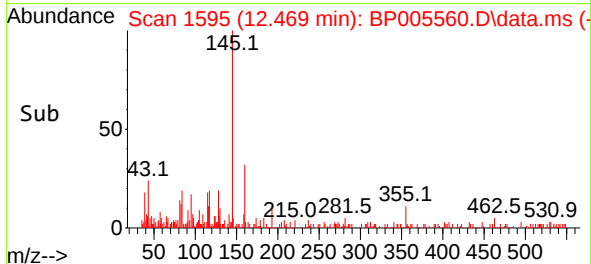
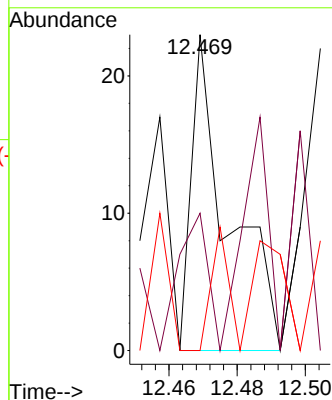
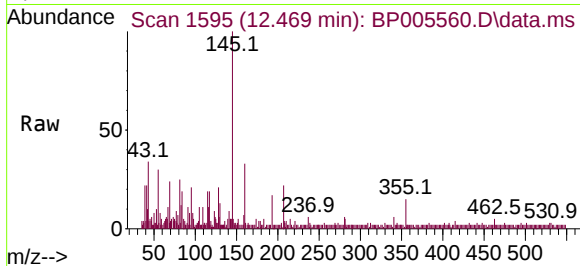




#41
Hexachlorocyclopentadiene
Concen: 7.89 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.012 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

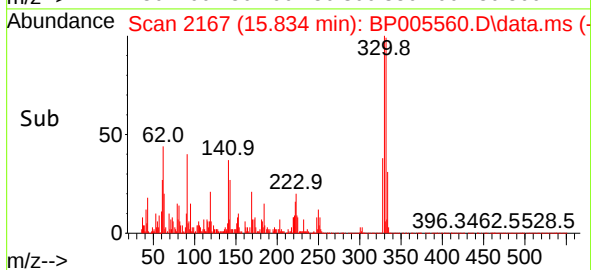
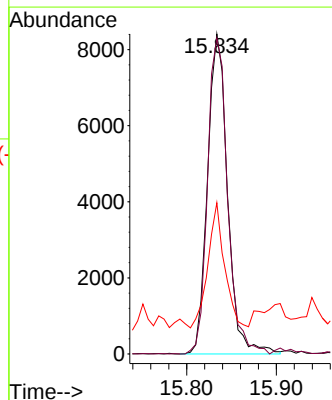
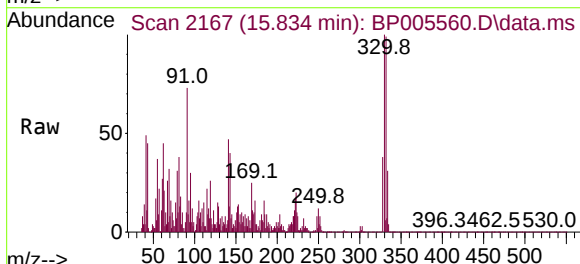
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ClientSampleId :
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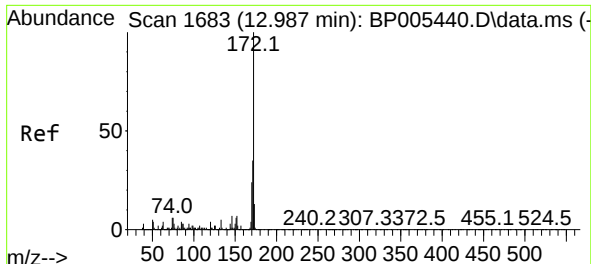
Tgt Ion:237	Resp:	17
Ion Ratio	Lower	Upper
237	100	
235	43.5	40.9 80.9
272	0.0	0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 12.35 ng
RT: 15.834 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:330	Resp:	13014
Ion Ratio	Lower	Upper
330	100	
332	99.1	76.3 114.5
141	34.2	22.8 34.2#

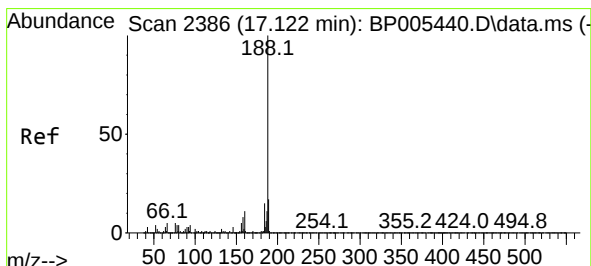
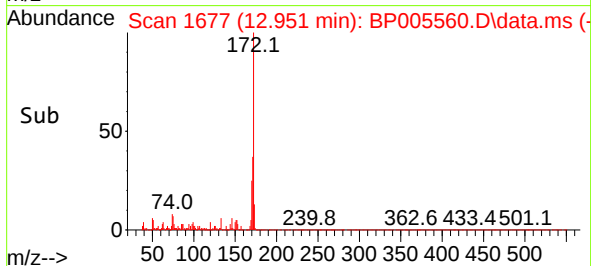
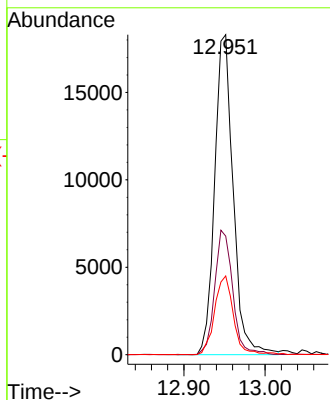
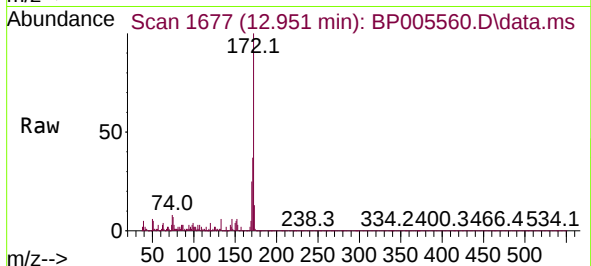




#45
2-Fluorobiphenyl
Concen: 8.82 ng
RT: 12.951 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

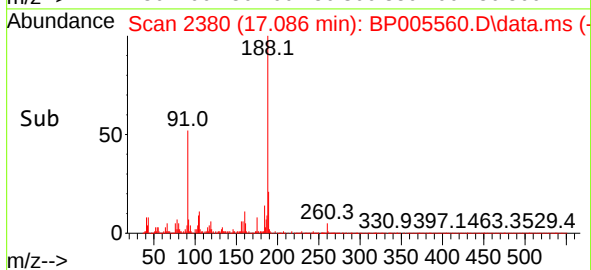
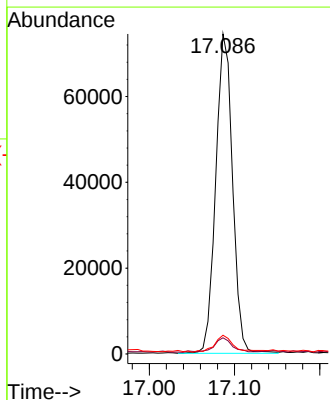
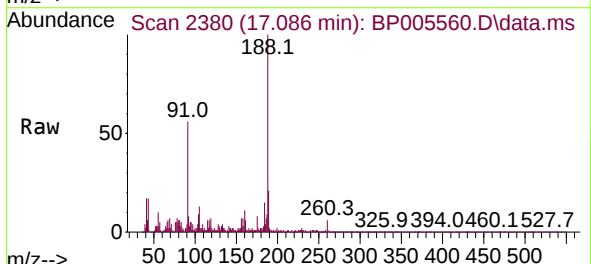
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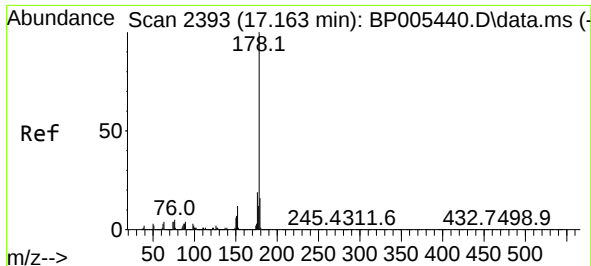
Tgt Ion:172	Resp:	29029
Ion Ratio	Lower	Upper
172	100	
171	37.0	28.1 42.1
170	24.6	19.6 29.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:188	Resp:	102033
Ion Ratio	Lower	Upper
188	100	
94	5.1	5.0 7.6
80	5.9	5.9 8.9

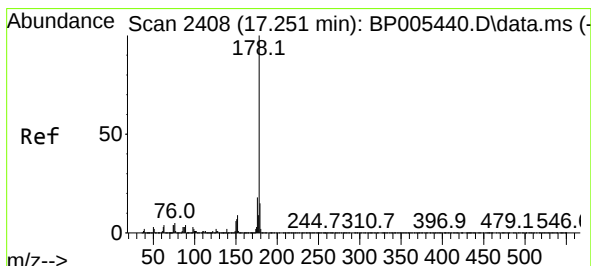
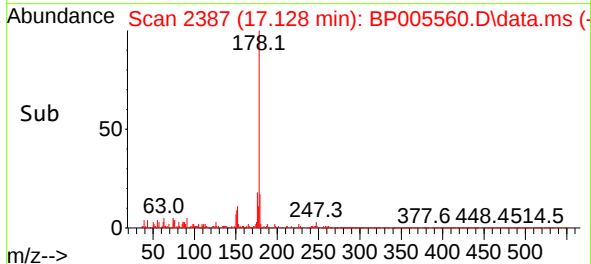
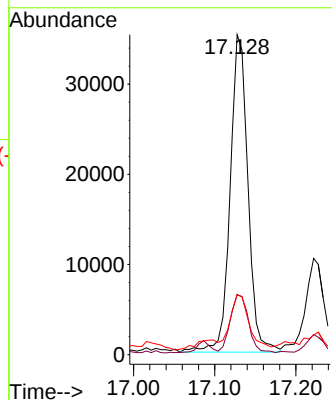
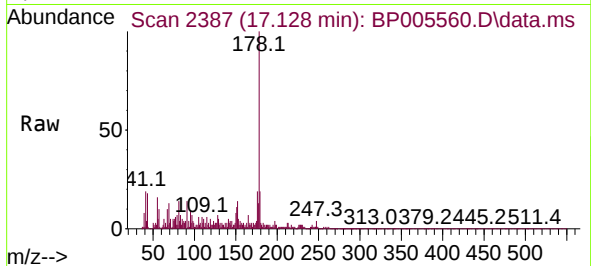




#71
Phenanthrene
Concen: 9.27 ng
RT: 17.128 min Scan# 2387
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

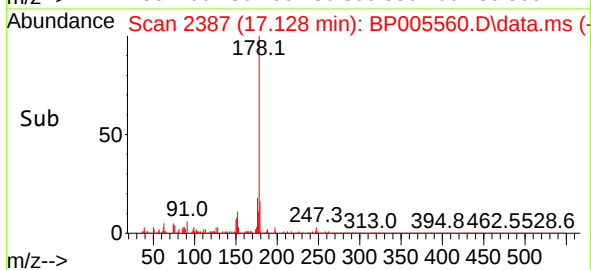
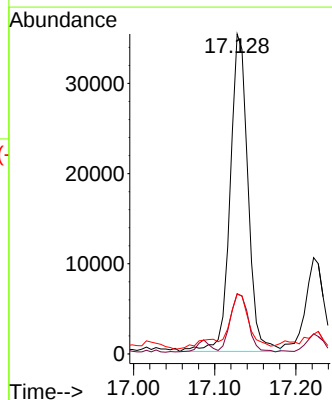
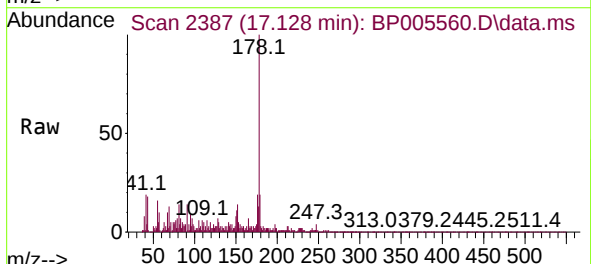
Instrument :
BNA_P
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CASINO-AVE-1-2

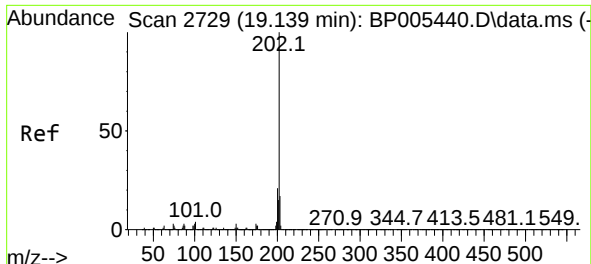
Tgt Ion:178 Resp: 53745
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 18.6 12.3 18.5#



#72
Anthracene
Concen: 9.34 ng
RT: 17.128 min Scan# 2387
Delta R.T. -0.100 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:178 Resp: 53745
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 18.6 12.6 19.0

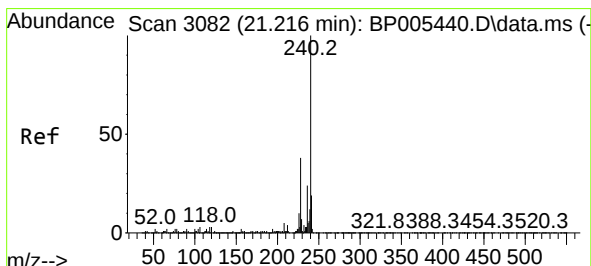
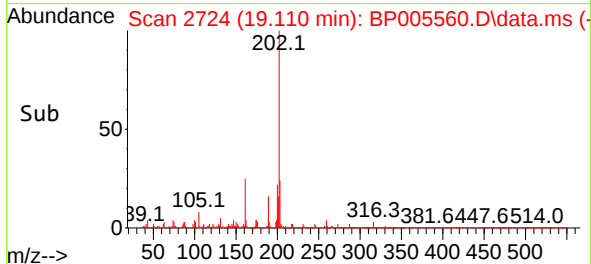
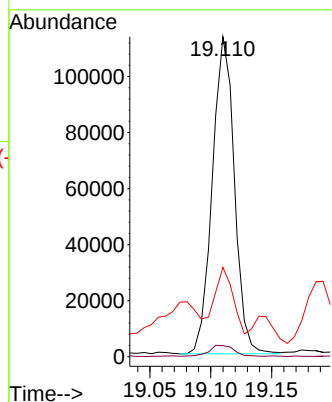
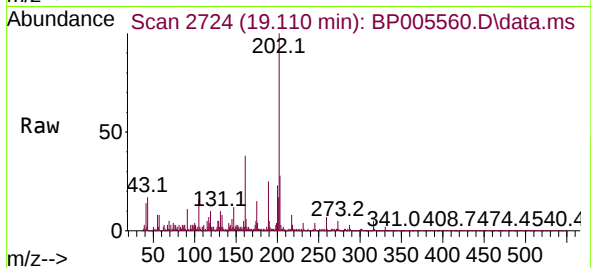




#75
Fluoranthene
Concen: 17.88 ng
RT: 19.110 min Scan# 2724
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

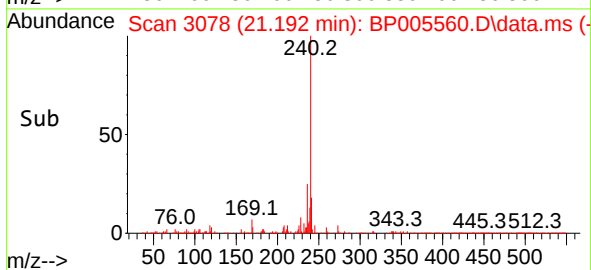
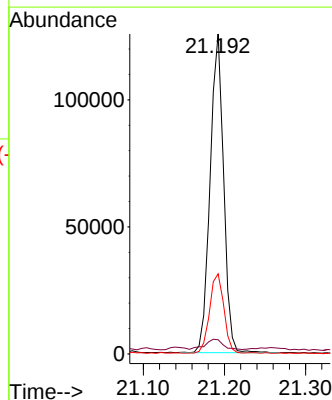
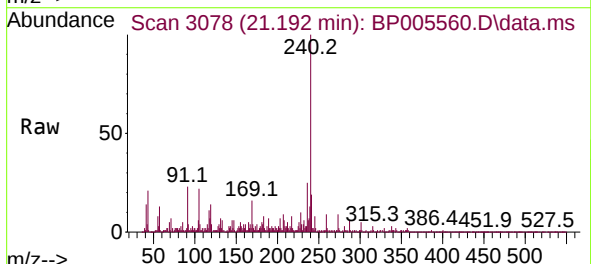
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

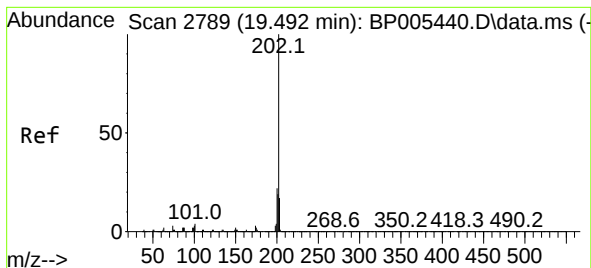
Tgt Ion:202 Resp: 142558
Ion Ratio Lower Upper
202 100
101 3.4 0.0 26.1
203 27.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.192 min Scan# 3078
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:240 Resp: 145015
Ion Ratio Lower Upper
240 100
120 4.5 4.2 6.2
236 25.1 20.2 30.2





#78

Pyrene

Concen: 15.44 ng

RT: 19.463 min Scan# 2784

Delta R.T. 0.000 min

Lab File: BP005560.D

Acq: 14 May 2021 21:31

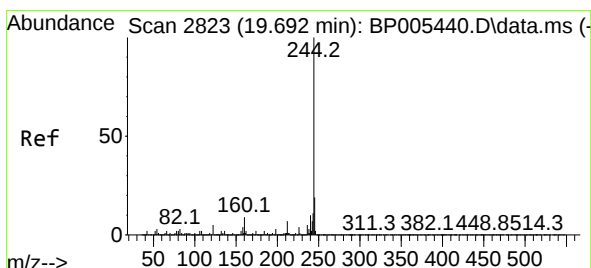
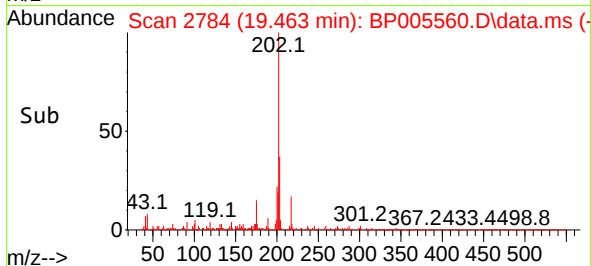
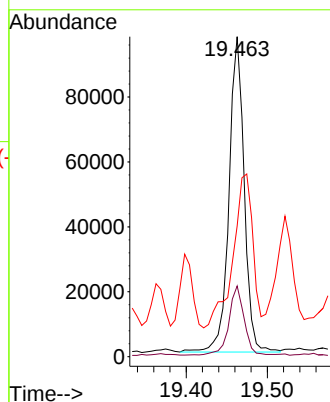
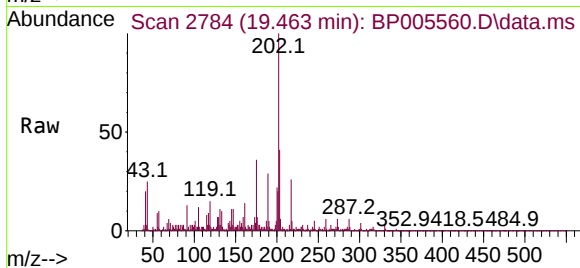
Instrument :

BNA_P

ClientSampleId :

CASINO-AVE-1-2

Tgt Ion:202	Resp:	126796
Ion Ratio	Lower	Upper
202	100	
200	22.1	16.9 25.3
203	40.9	13.8 20.6#



#79

Terphenyl-d14

Concen: 8.83 ng

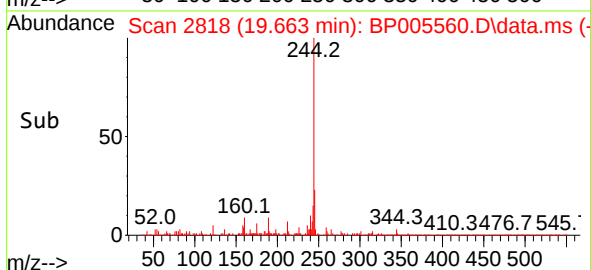
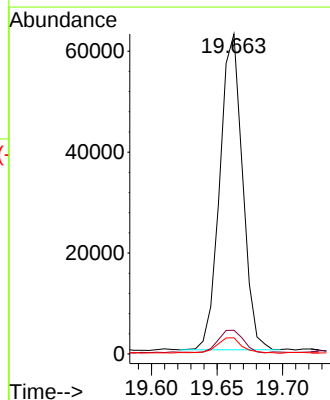
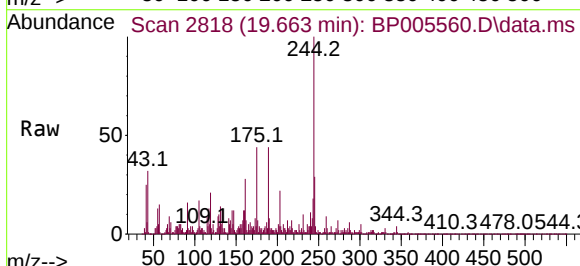
RT: 19.663 min Scan# 2818

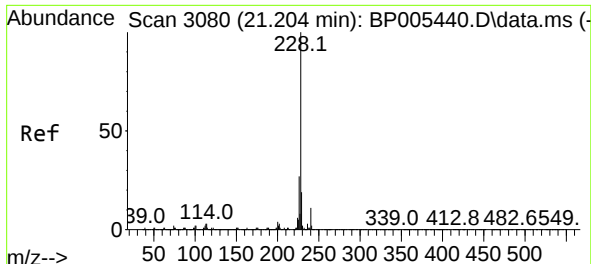
Delta R.T. 0.000 min

Lab File: BP005560.D

Acq: 14 May 2021 21:31

Tgt Ion:244	Resp:	75404
Ion Ratio	Lower	Upper
244	100	
212	7.4	5.8 8.6
122	5.0	5.2 7.8#

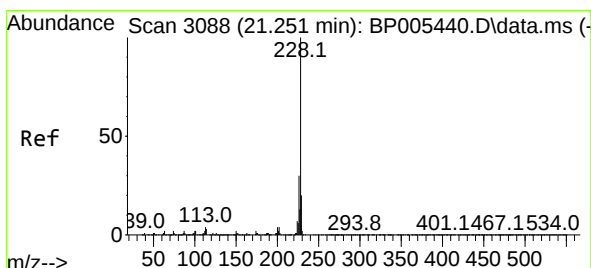
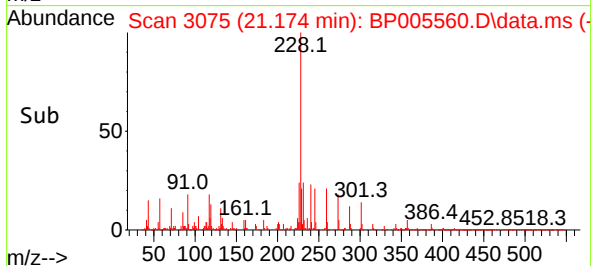
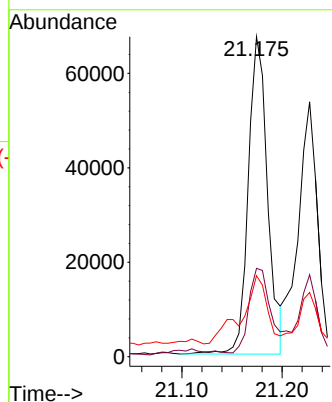
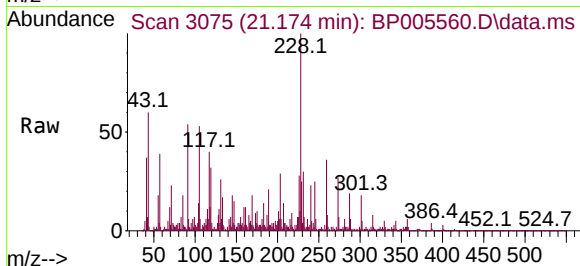




#81
Benzo(a)anthracene
Concen: 9.57 ng
RT: 21.174 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

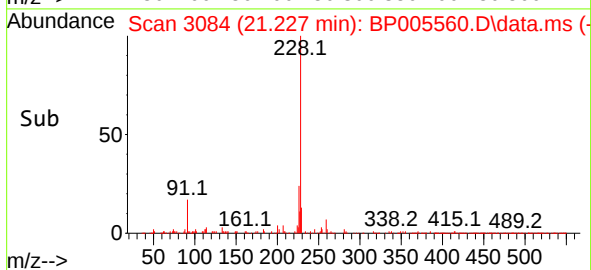
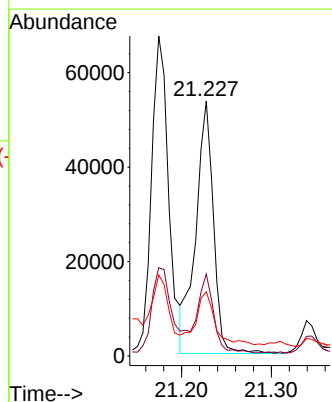
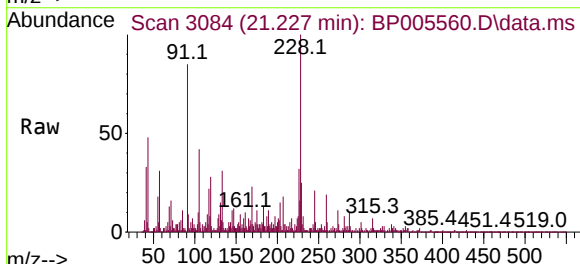
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

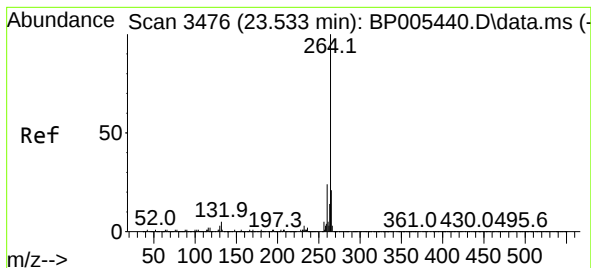
Tgt Ion:228 Resp: 89896
Ion Ratio Lower Upper
228 100
226 27.6 21.2 31.8
229 25.3 15.6 23.4#



#83
Chrysene
Concen: 8.07 ng
RT: 21.227 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:228 Resp: 73539
Ion Ratio Lower Upper
228 100
226 32.2 24.8 37.2
229 25.2 15.4 23.0#

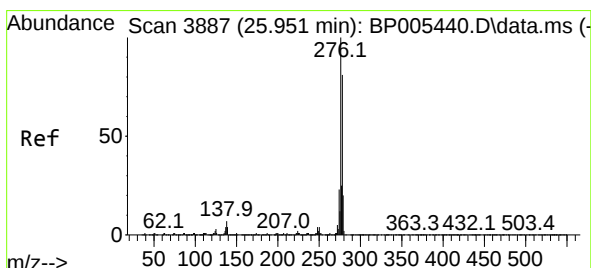
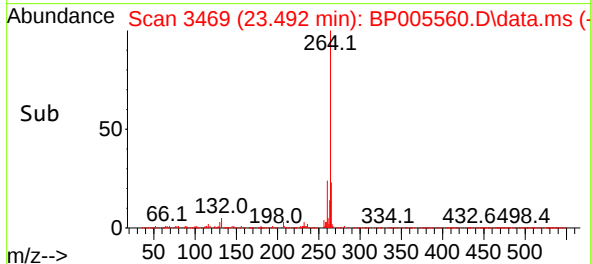
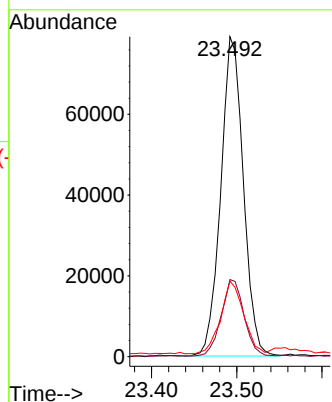
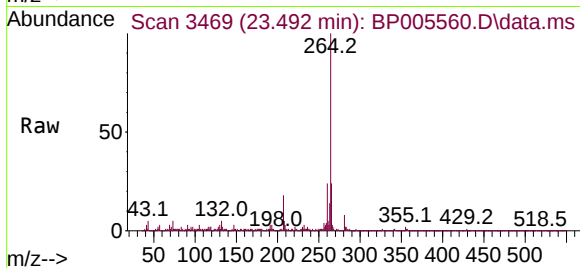




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.492 min Scan# 3469
 Delta R.T. -0.006 min
 Lab File: BP005560.D
 Acq: 14 May 2021 21:31

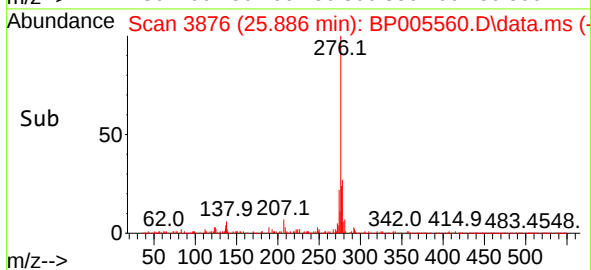
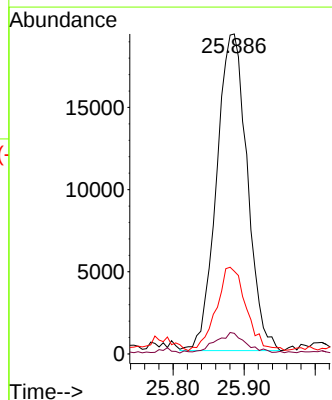
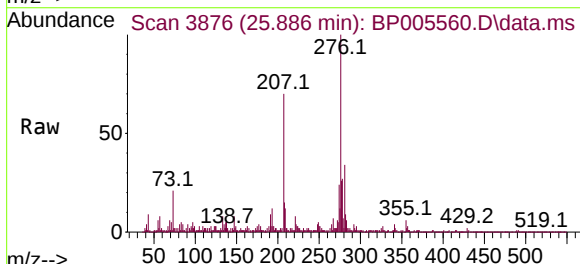
Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-1-2

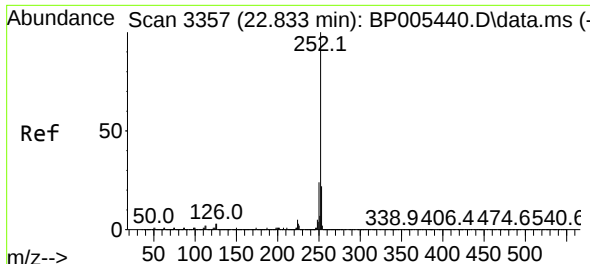
Tgt Ion:	264	Resp:	145423
Ion Ratio	Lower	Upper	
264	100		
260	24.1	20.6	30.8
265	23.6	19.0	28.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.72 ng
 RT: 25.886 min Scan# 3876
 Delta R.T. -0.018 min
 Lab File: BP005560.D
 Acq: 14 May 2021 21:31

Tgt Ion:	276	Resp:	57751
Ion Ratio	Lower	Upper	
276	100		
138	6.6	8.4	12.6#
277	25.6	20.6	31.0

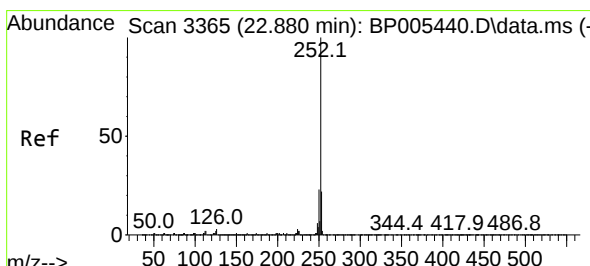
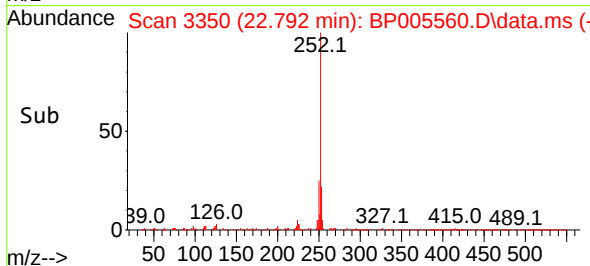
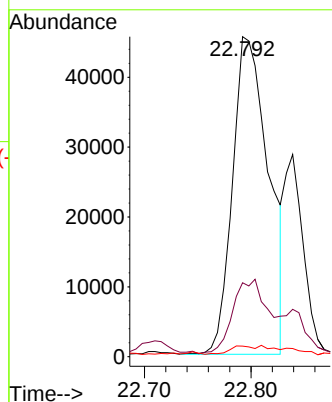
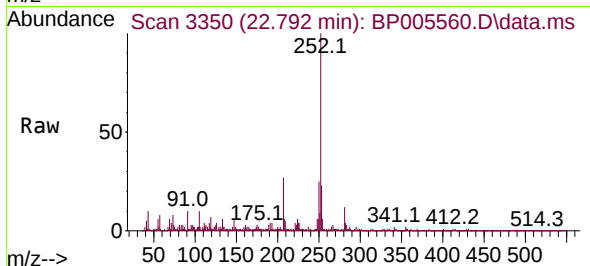




#88
Benzo(b)fluoranthene
Concen: 11.04 ng
RT: 22.792 min Scan# 3350
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

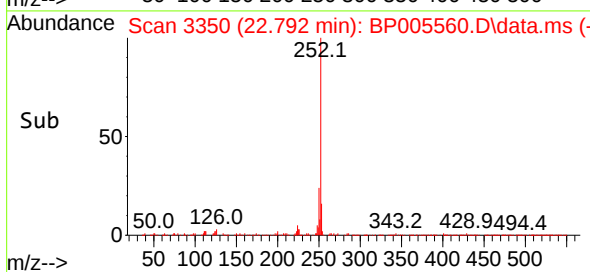
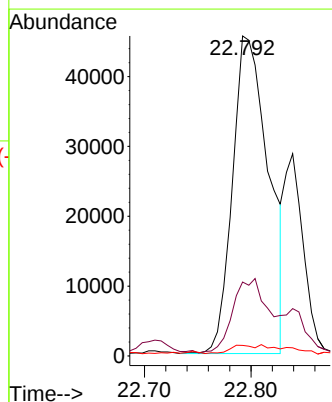
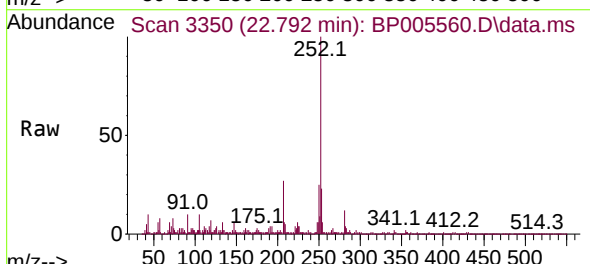
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

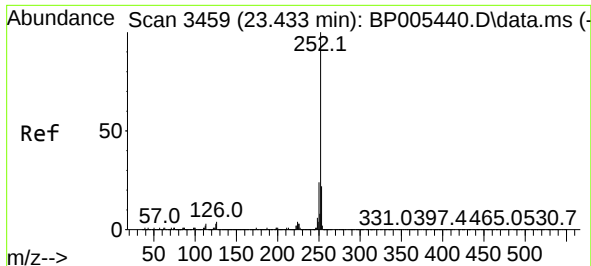
Tgt Ion:252 Resp: 106990
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 3.3 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 11.29 ng
RT: 22.792 min Scan# 3350
Delta R.T. -0.053 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:252 Resp: 106990
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 3.3 3.8 5.6#

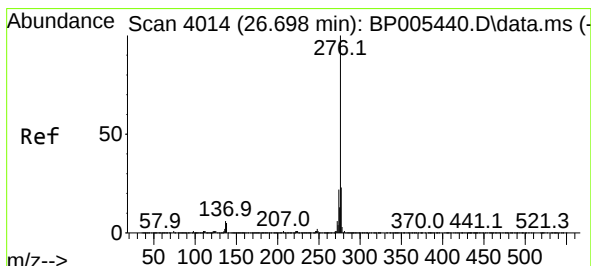
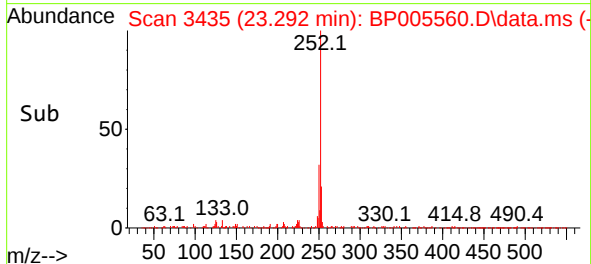
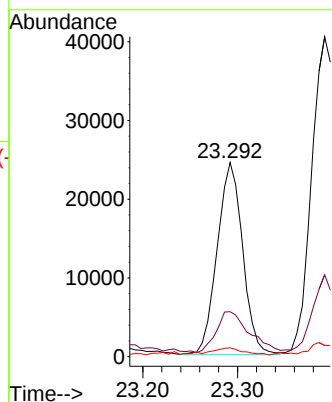
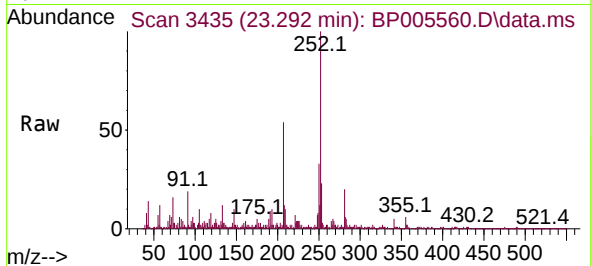




#90
Benzo(a)pyrene
Concen: 5.12 ng
RT: 23.292 min Scan# 3435
Delta R.T. -0.106 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

Tgt Ion:252 Resp: 45511
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 4.5 3.8 5.6



#92
Benzo(g,h,i)perylene
Concen: 5.24 ng
RT: 26.621 min Scan# 4001
Delta R.T. -0.018 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:276 Resp: 52379
Ion Ratio Lower Upper
276 100
277 22.6 19.8 29.8
138 3.1 7.7 11.5#

