

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003228.D
 Acq On : 08 Sep 2020 15:48
 Operator : CG/JU
 Sample : L3916-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Manual Integrations
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Quant Time: Sep 08 18:23:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	214742	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	774697	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	408586	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	853752	20.00	ng	0.00
76) Chrysene-d12	21.15	240	724923	20.00	ng	0.00
86) Perylene-d12	23.39	264	876519	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1010539	83.20	ng	0.00
7) Phenol-d6	6.84	99	1139065	74.81	ng	0.00
23) Nitrobenzene-d5	8.80	82	733410	68.25	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	472588	85.52	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	1704434	61.09	ng	0.00
79) Terphenyl-d14	19.62	244	1891031	57.40	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	14.01	152	176270	4.647	ng	99
50) Dimethylphthalate	13.75	163	139682	4.483	ng	99
52) Acenaphthene	14.36	154	49278	2.115	ng	98
58) Fluorene	15.35	166	79961	2.836	ng	98
71) Phenanthrene	17.09	178	1280216	27.673	ng	99
72) Anthracene	17.18	178	365612	8.258	ng	99
73) Carbazole	17.45	167	128775	3.031	ng	98
75) Fluoranthene	19.07	202	2728740	51.035	ng	99
78) Pyrene	19.42	202	2381475	50.616	ng	100
81) Benzo(a)anthracene	21.13	228	1261597	27.783	ng	97
83) Chrysene	21.18	228	1321188	30.388	ng	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	343889	12.292	ng	96
87) Indeno(1,2,3-cd)pyrene	25.67	276	1185827	18.141	ng	95
88) Benzo(b)fluoranthene	22.72	252	1964878	36.067	ng	# 92
89) Benzo(k)fluoranthene	22.76	252	704588m	13.536	ng	
90) Benzo(a)pyrene	23.29	252	1458199	28.852	ng	# 94
91) Dibenzo(a,h)anthracene	25.67	278	305990	5.698	ng	# 81
92) Benzo(g,h,i)perylene	26.37	276	1195884	22.192	ng	99

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

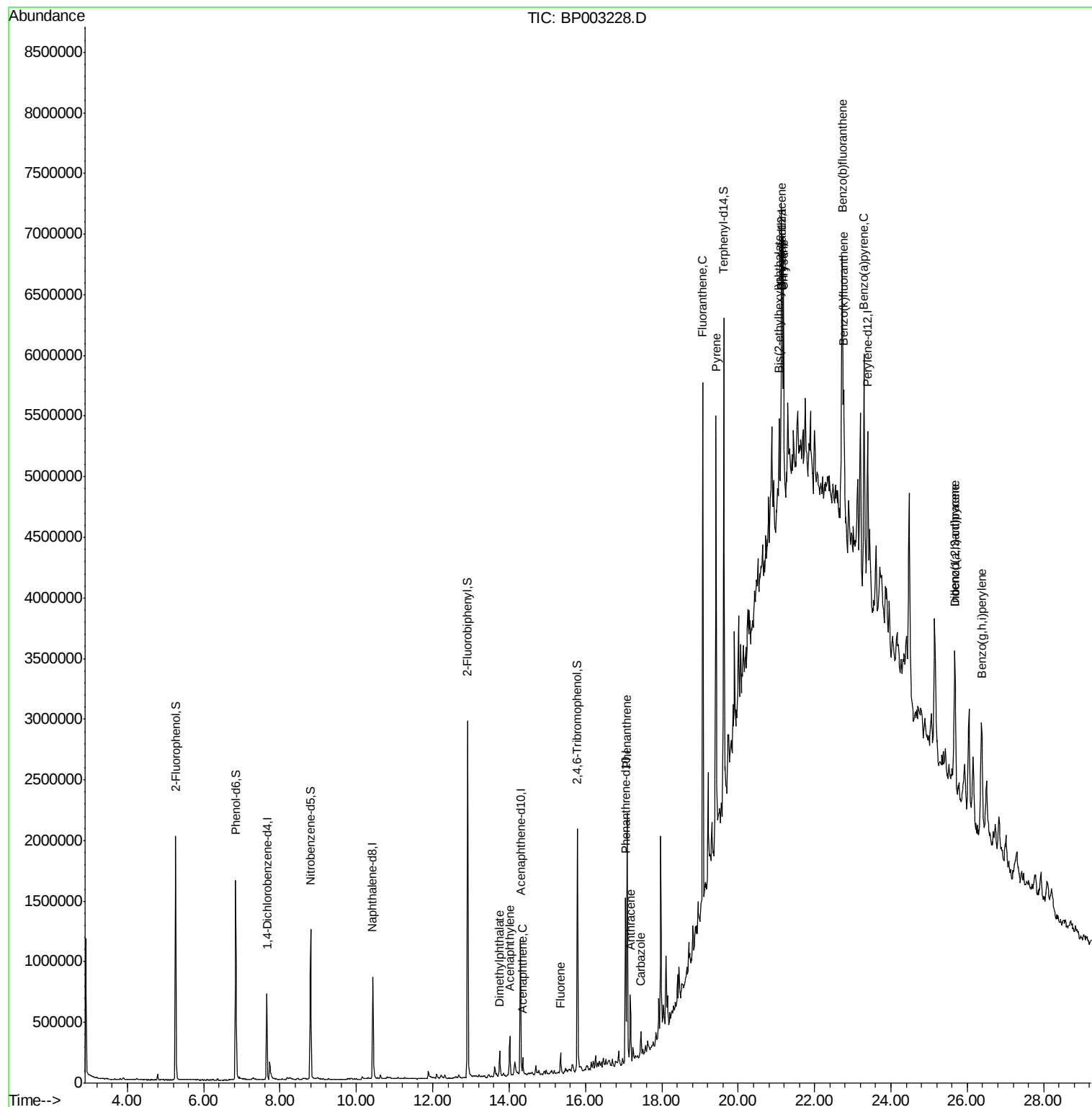
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
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ALS Vial : 8 Sample Multiplier: 1

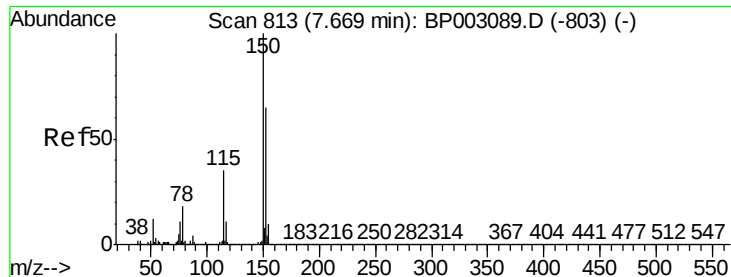
Instrument :
BNA_P
ClientSampled :
WC-1

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#1

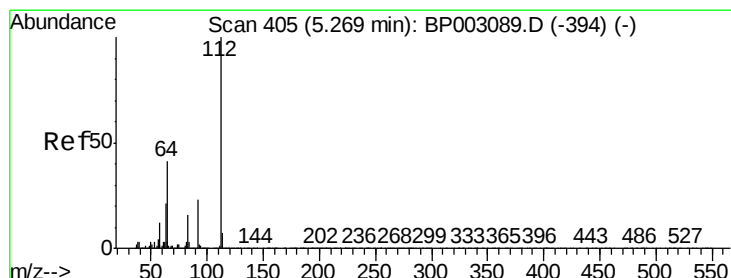
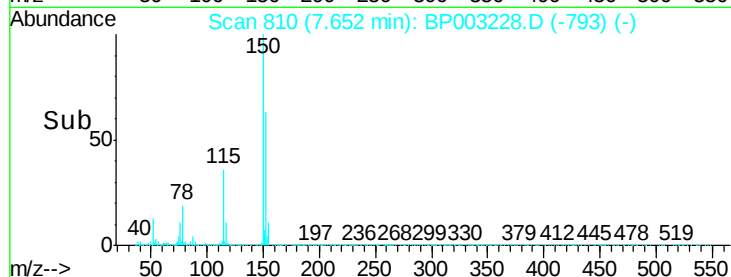
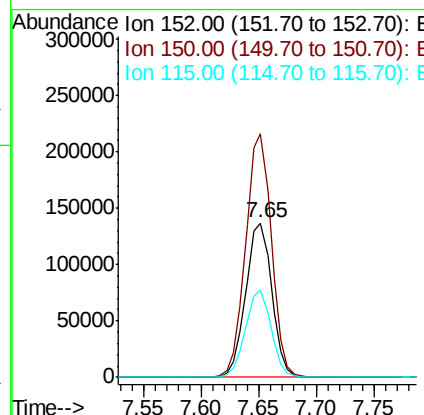
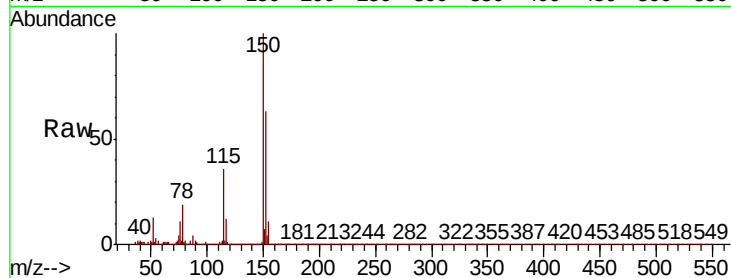
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	123.8	185.6
115	56.7	43.8	65.6

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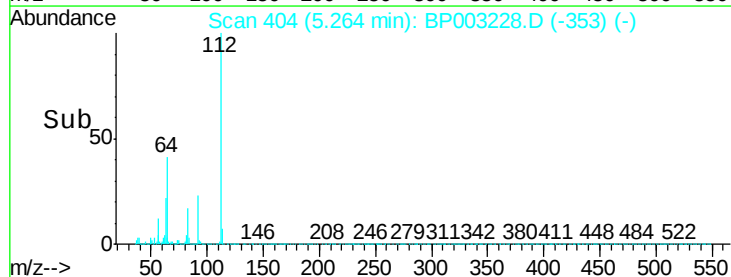
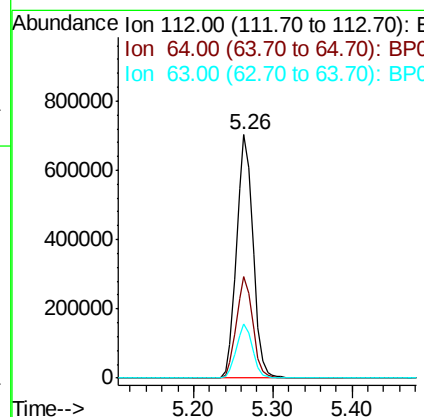
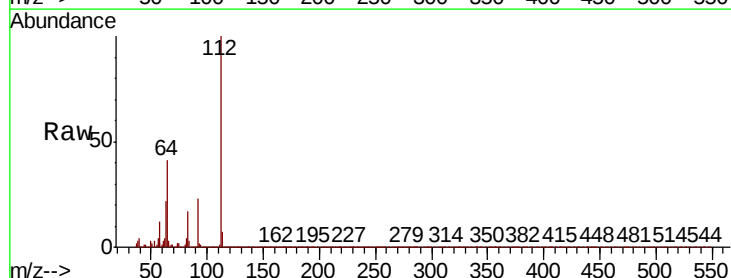
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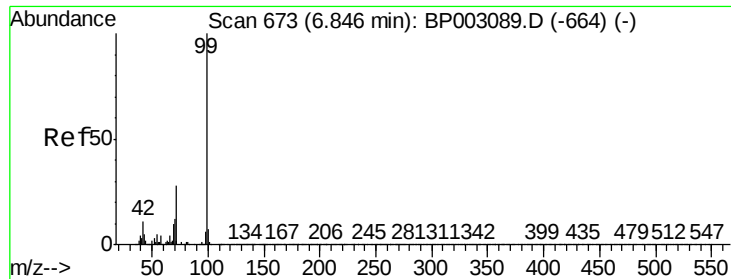


#5

2-Fluorophenol
Concen: 83.200 ng
RT: 5.26 min Scan# 404
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.5	32.8	49.2
63	22.3	17.0	25.4





#7

Phenol-d6

Concen: 74.812 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

Tot Ion: 99 Resp: 1139065

Ion Ratio Lower Upper

99 100

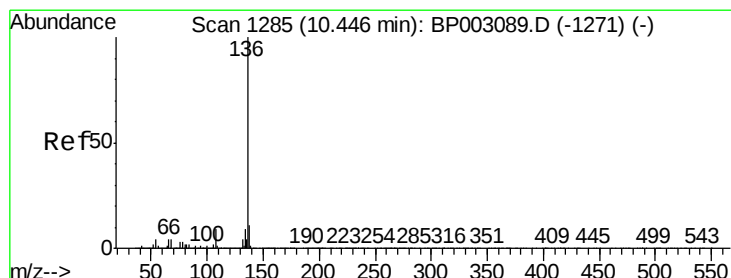
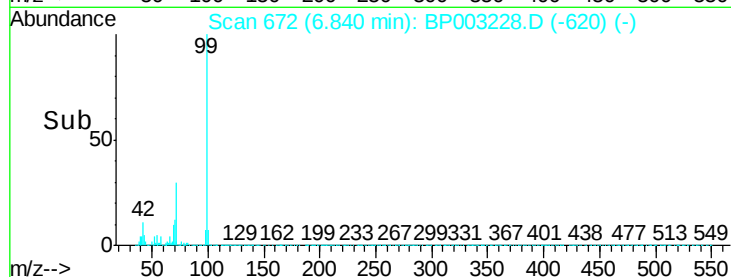
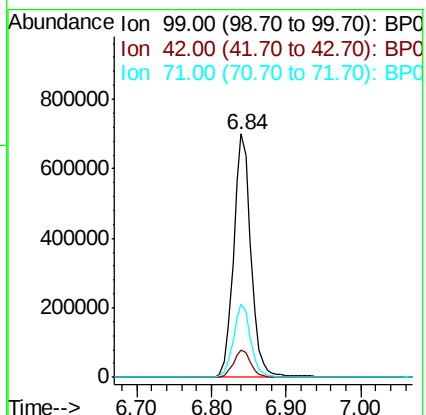
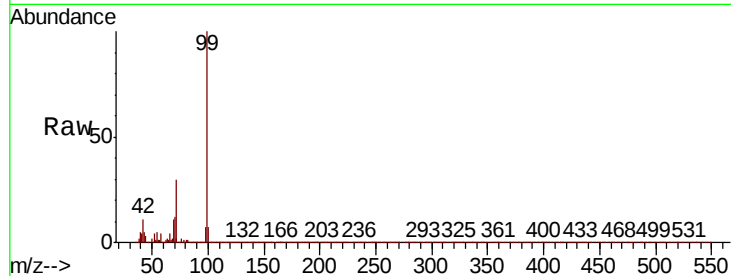
42 11.2 8.6 13.0

71 30.0 23.4 35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Tgt Ion: 136 Resp: 774697

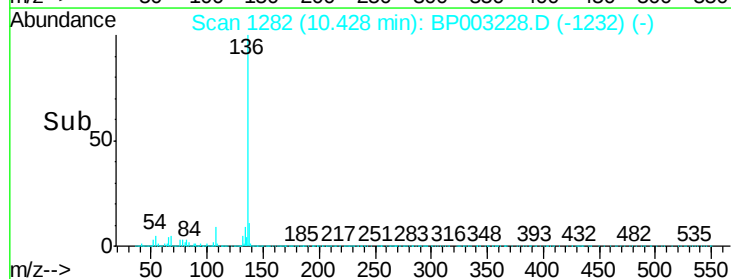
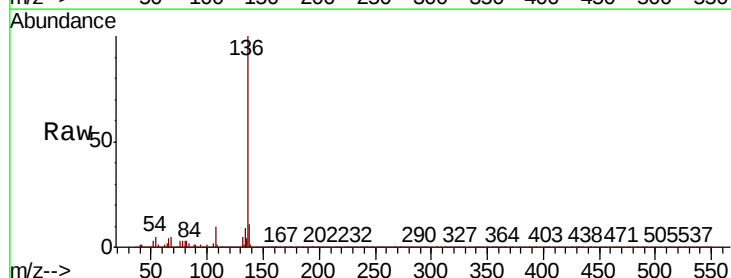
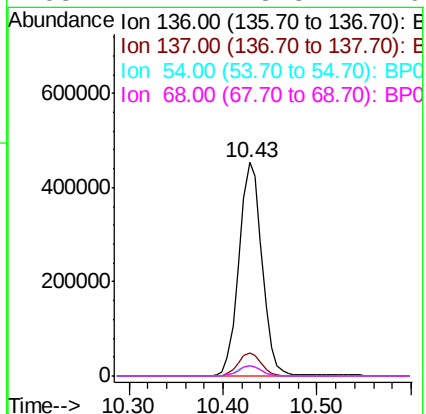
Ion Ratio Lower Upper

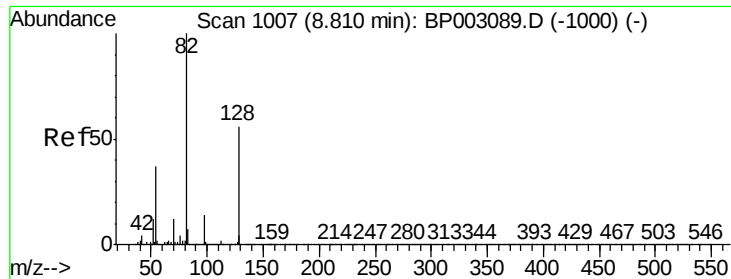
136 100

137 11.0 8.6 13.0

54 4.7 3.6 5.4

68 4.7 3.3 4.9





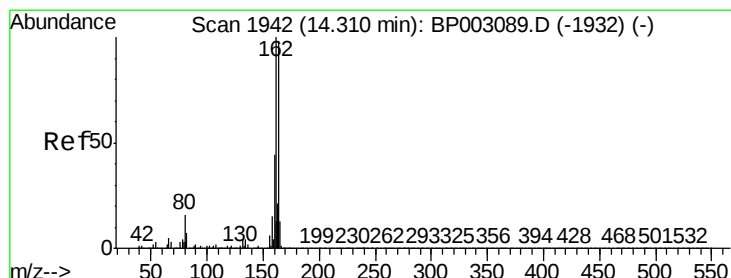
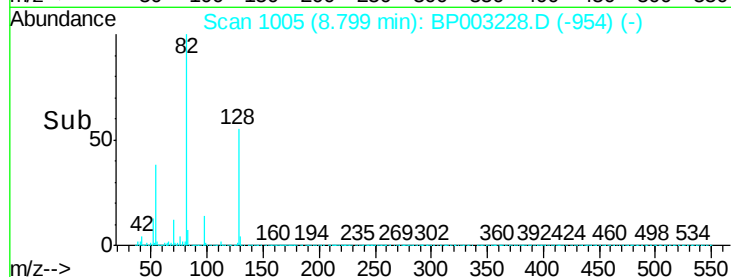
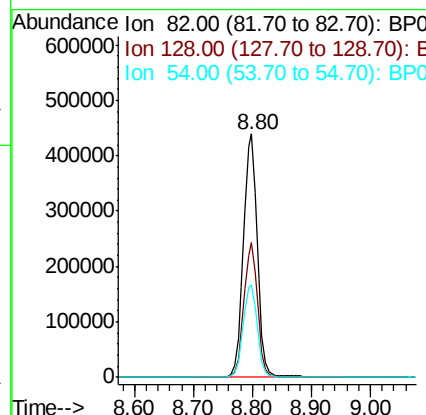
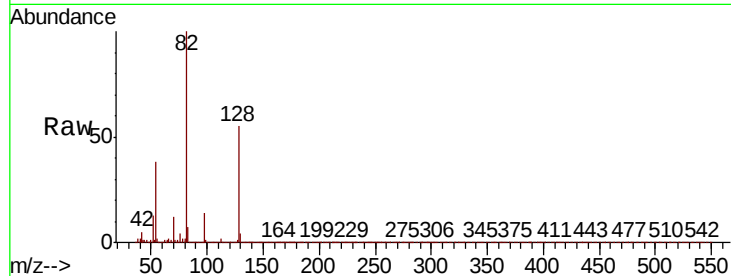
#23
 Nitrobenzene-d5
 Concen: 68.249 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Instrument :
 BNA_P
 ClientSampled :
 WC-1

Tot Ion:	82	Resp:	733410
Ion Ratio	Lower	Upper	
82	100		
128	55.3	45.6	68.4
54	38.1	30.1	45.1

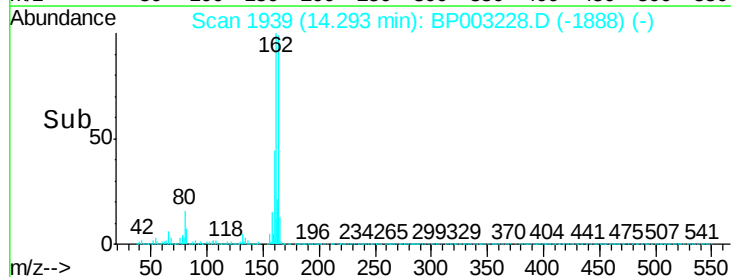
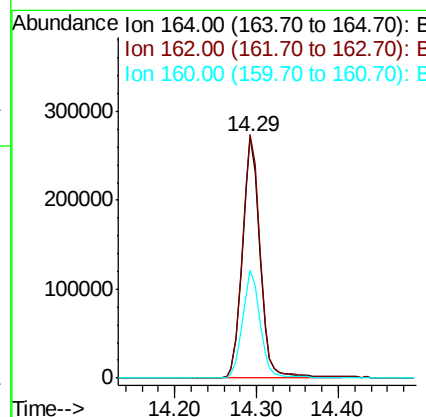
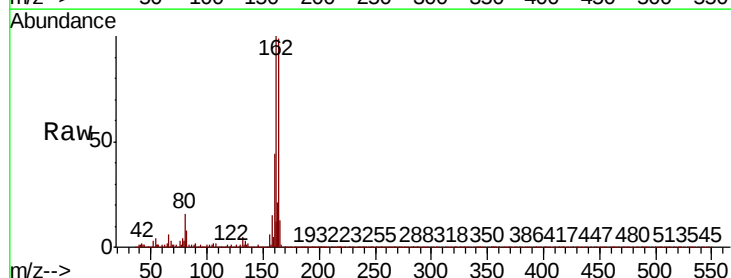
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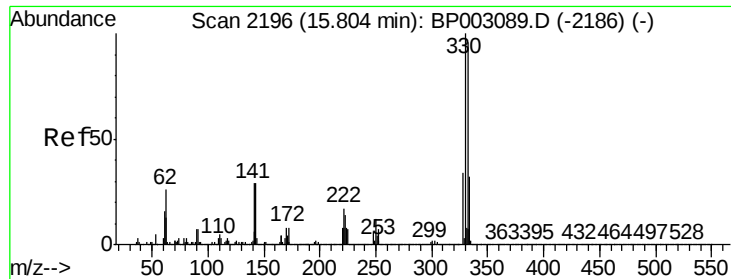
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.29 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Tgt Ion:	164	Resp:	408586
Ion Ratio	Lower	Upper	
164	100		
162	100.8	79.4	119.2
160	44.8	36.1	54.1





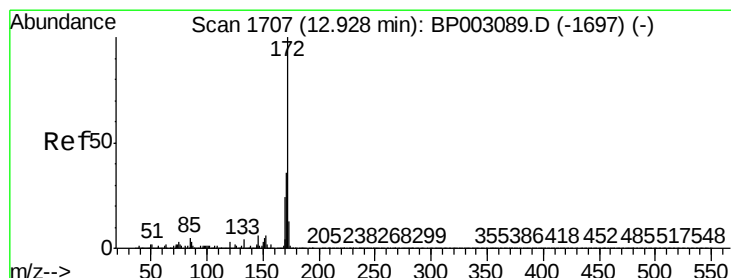
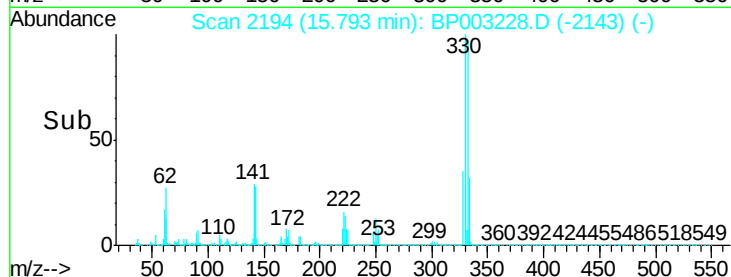
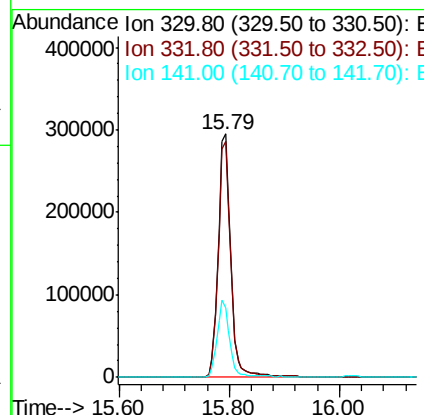
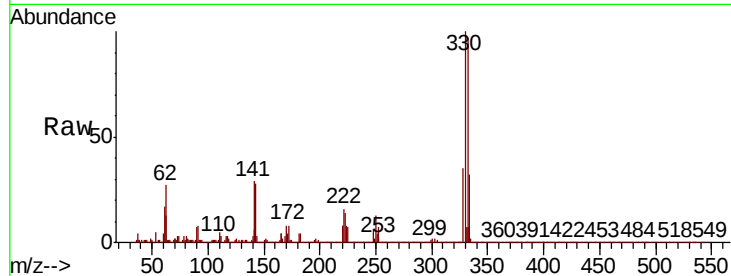
#42
2,4,6-Tribromophenol
Concen: 85.520 ng
RT: 15.79 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	31.0	23.4	35.2

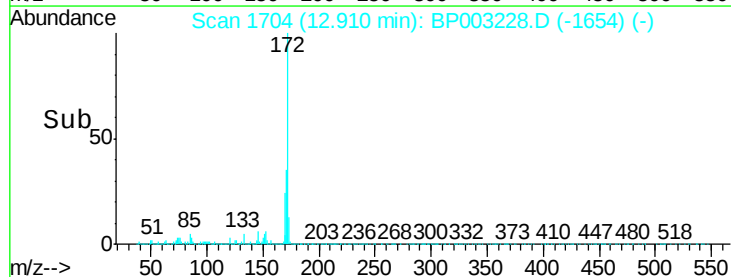
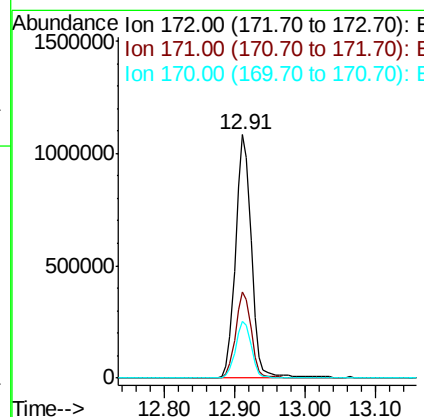
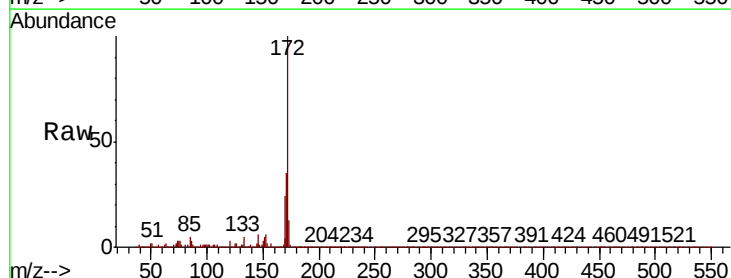
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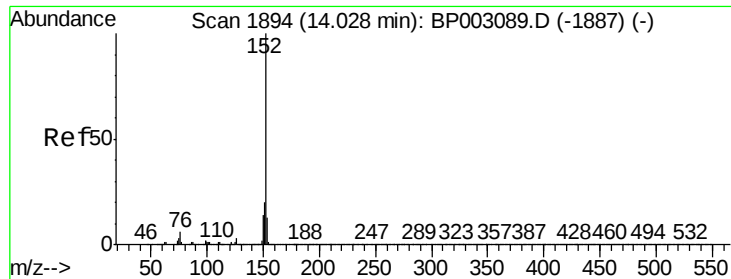
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#45
2-Fluorobiphenyl
Concen: 61.090 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.5	19.2	28.8





#49

Acenaphthylene

Concen: 4.647 ng

RT: 14.01 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

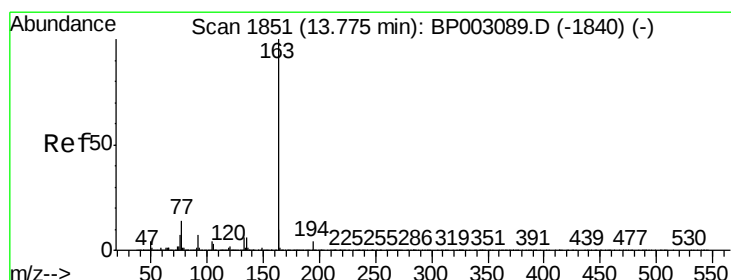
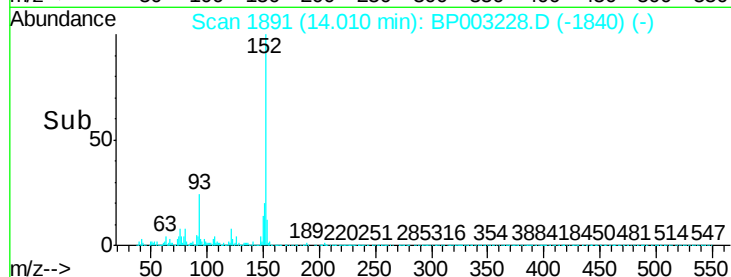
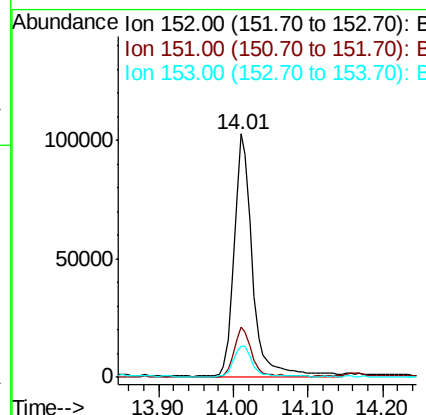
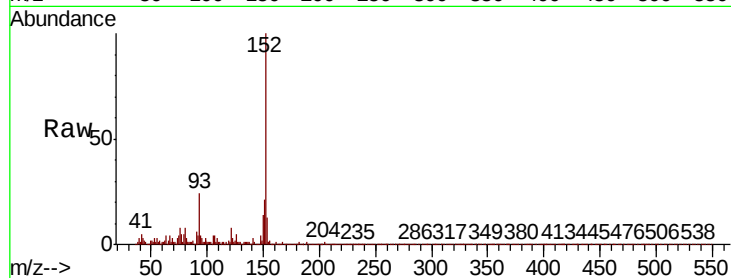
ClientSampleId :

WC-1

Tot Ion:	152	Resp:	176270
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.9	23.9
153	12.6	10.5	15.7

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#50

Dimethylphthalate

Concen: 4.483 ng

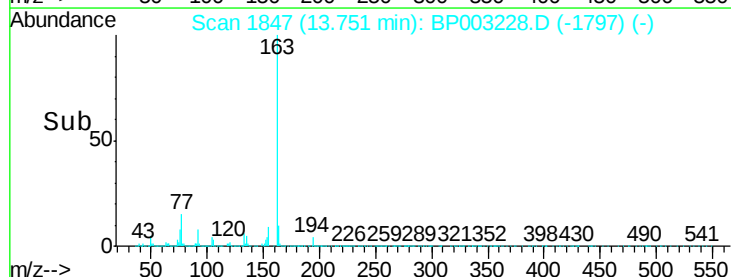
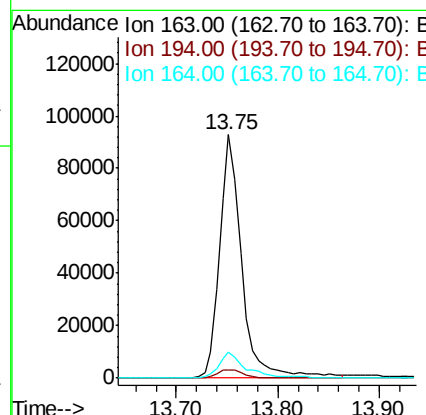
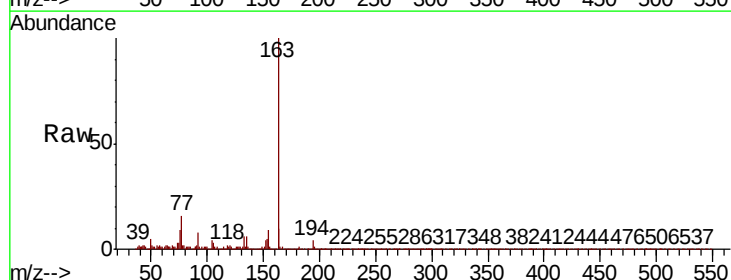
RT: 13.75 min Scan# 1847

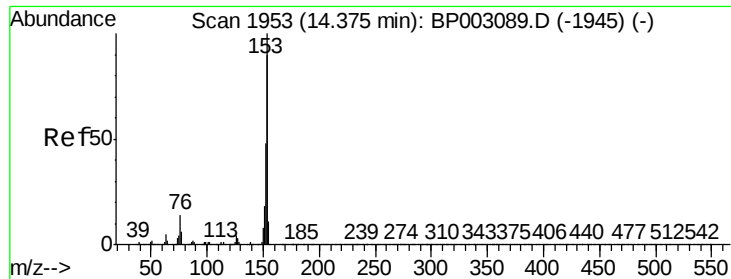
Delta R.T. -0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Tgt Ion:	163	Resp:	139682
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.3	4.9
164	10.5	8.2	12.2





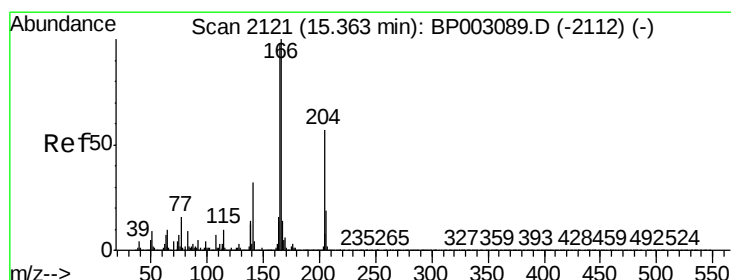
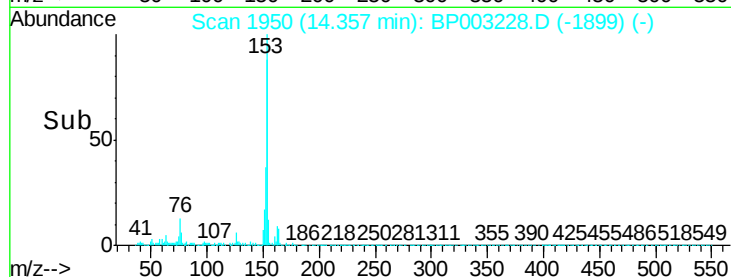
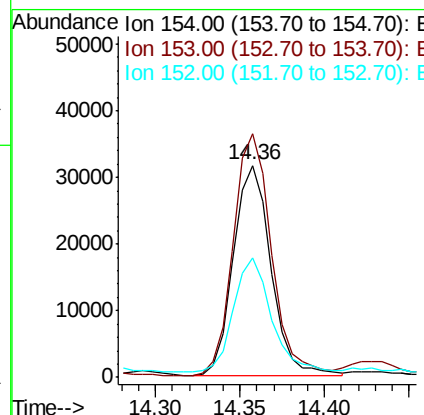
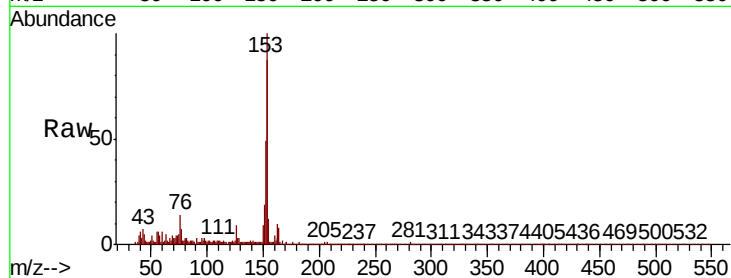
#52
Acenaphthene
Concen: 2.115 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.0	136.6
152	56.4	43.0	64.6

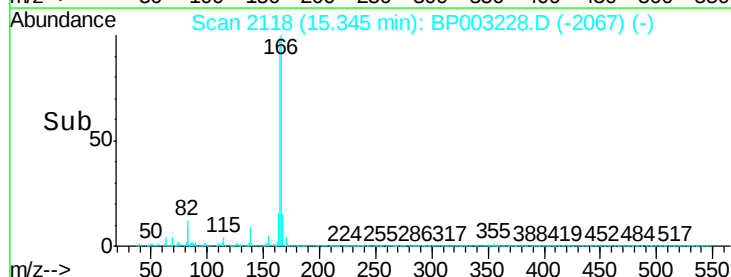
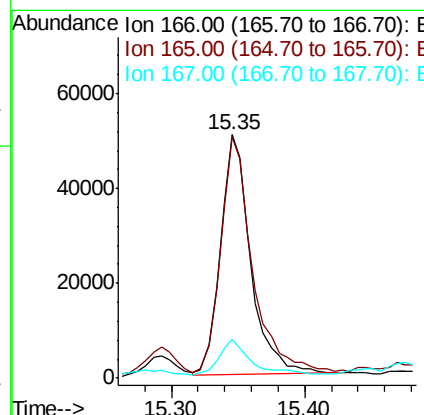
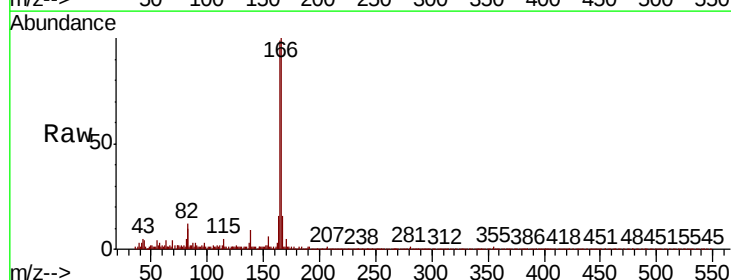
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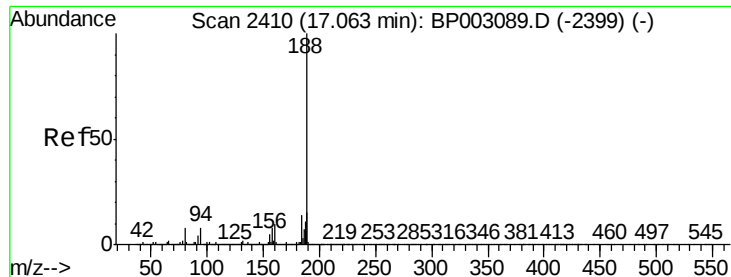
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#58
Fluorene
Concen: 2.836 ng
RT: 15.35 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.8
167	15.8	11.0	16.4





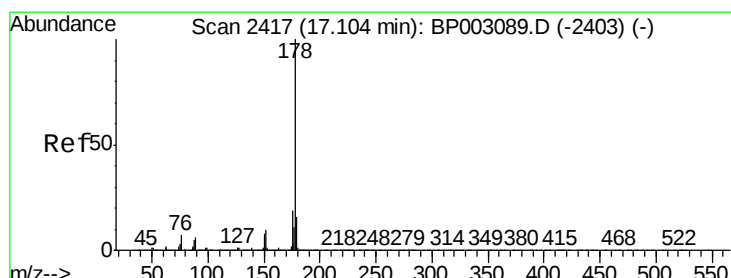
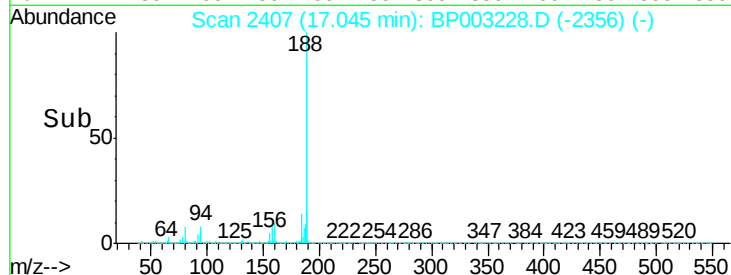
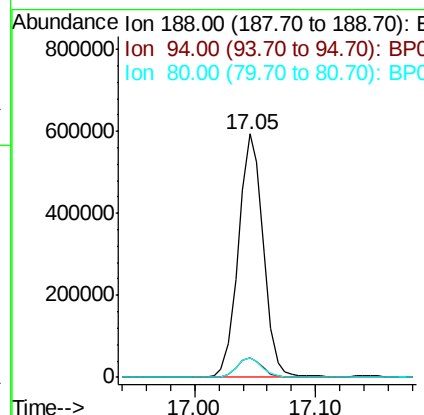
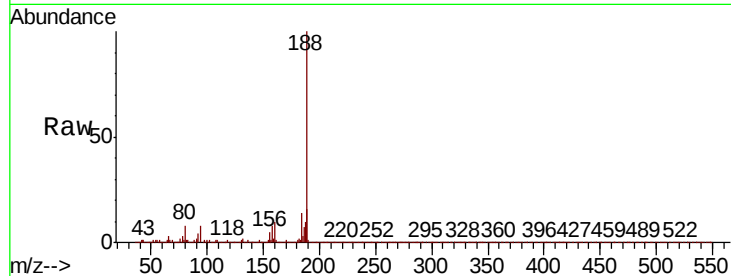
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	6.2	9.2
80	8.1	6.2	9.2

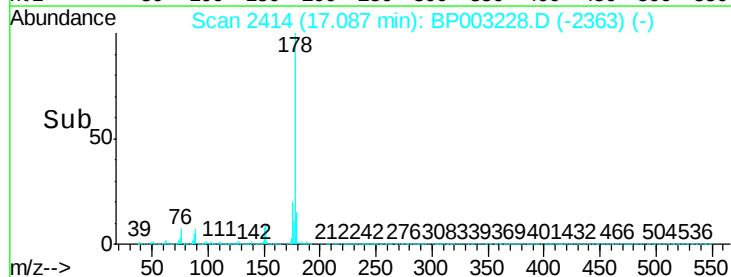
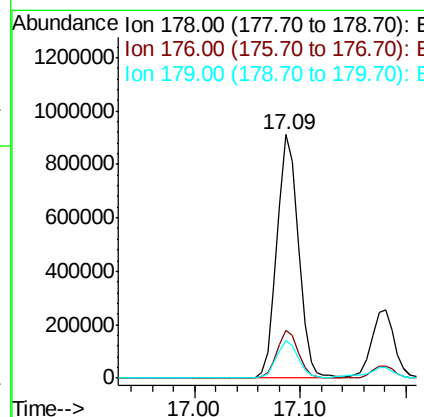
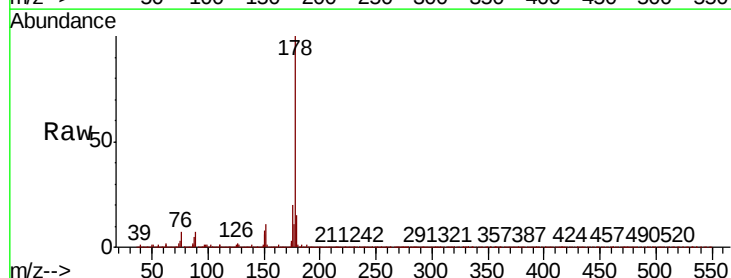
Manual Integrations
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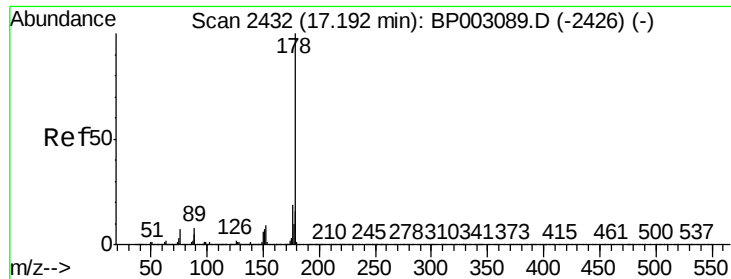
Sohil
9/9/2020 3:50:05 PM



#71
Phenanthrene
Concen: 27.673 ng
RT: 17.09 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.3	22.9
179	15.5	12.5	18.7





#72

Anthracene

Concen: 8.258 ng

RT: 17.18 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

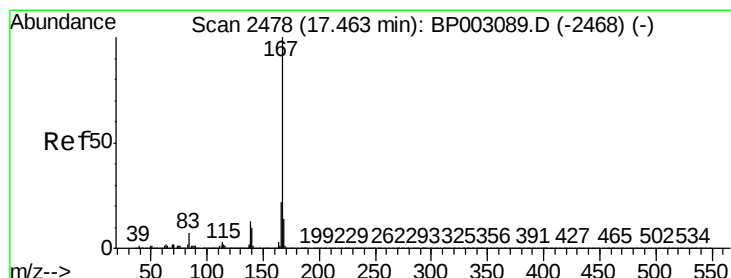
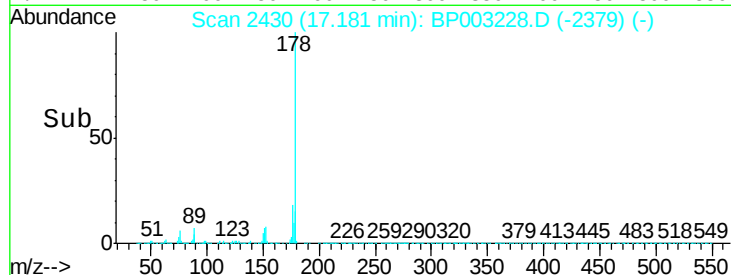
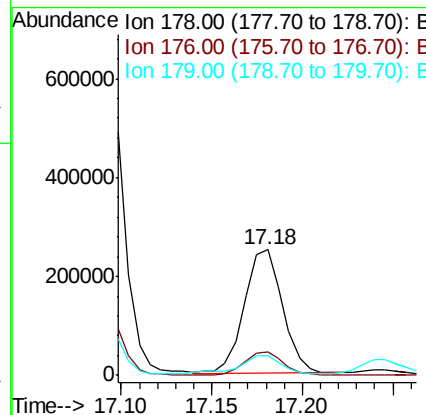
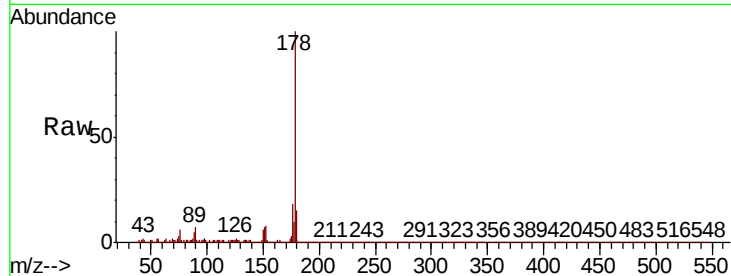
ClientSampled :

WC-1

Tot Ion:	178	Resp:	365612
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.0	22.4
179	15.4	12.5	18.7

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9/9/2020 3:50:05 PM



#73

Carbazole

Concen: 3.031 ng

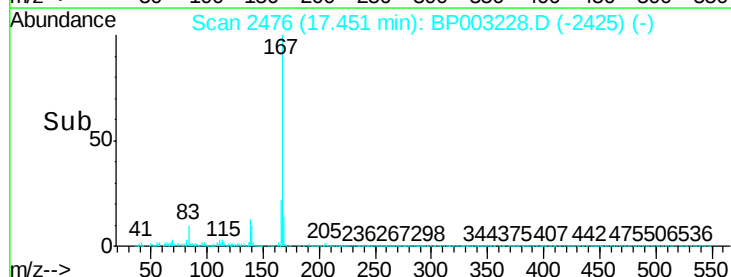
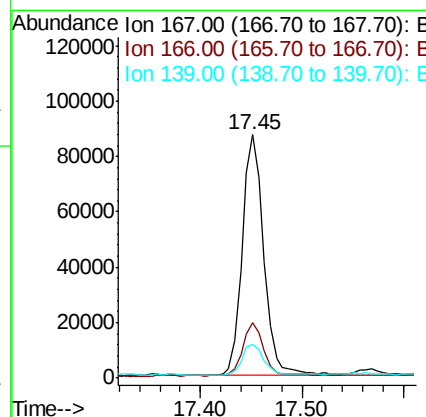
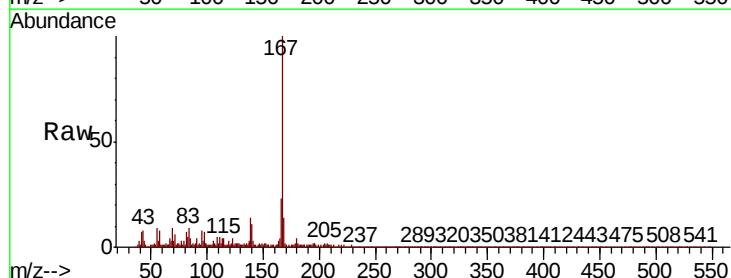
RT: 17.45 min Scan# 2476

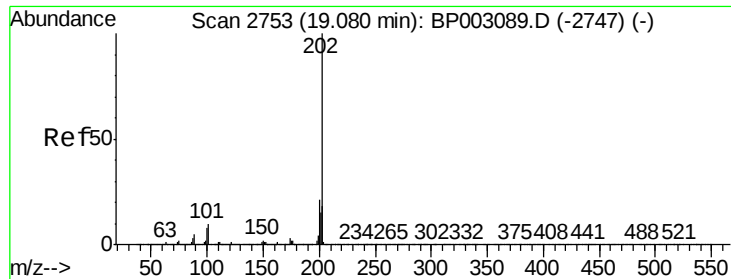
Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Tgt Ion:	167	Resp:	128775
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	14.0	10.2	15.4





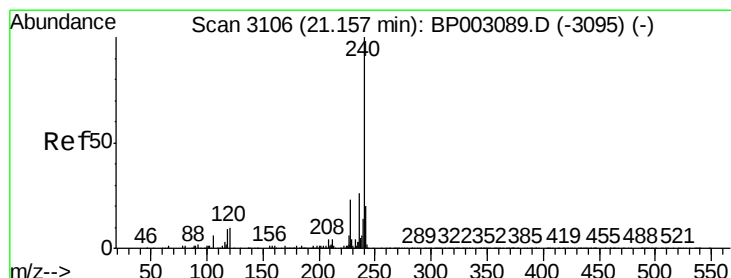
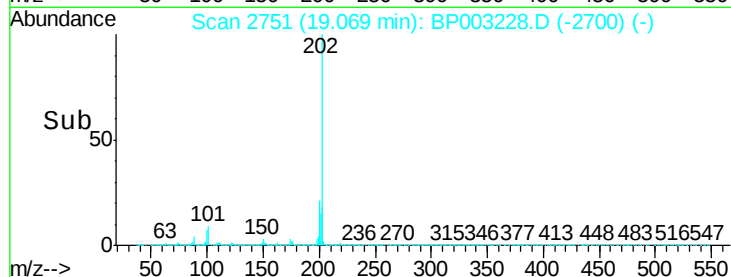
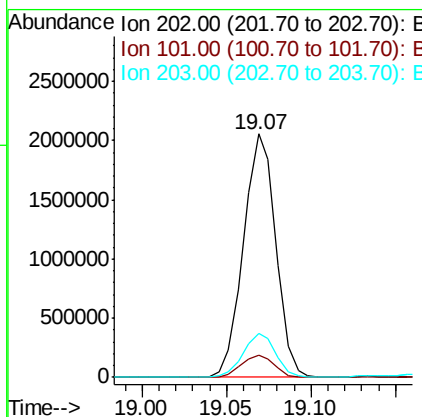
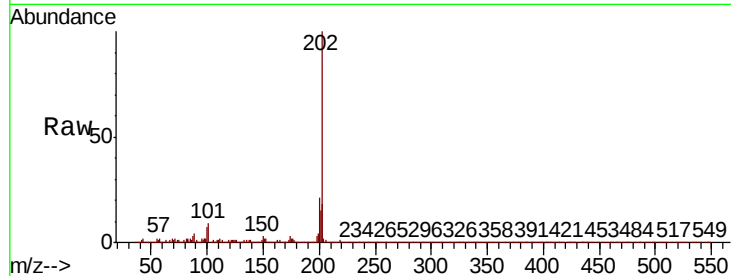
#75
Fluoranthene
Concen: 51.035 ng
RT: 19.07 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.4
203	18.1	0.0	37.8

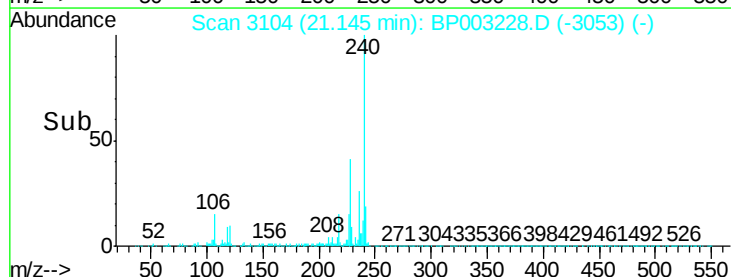
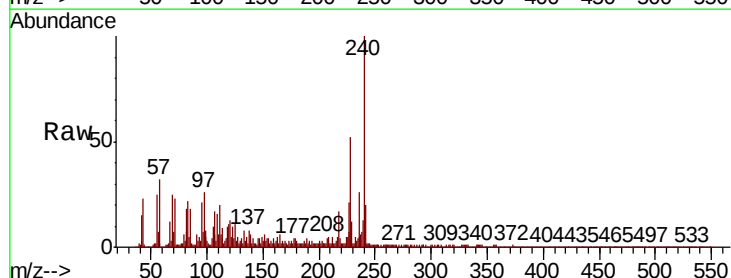
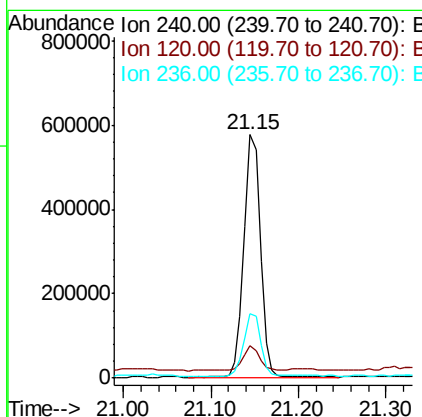
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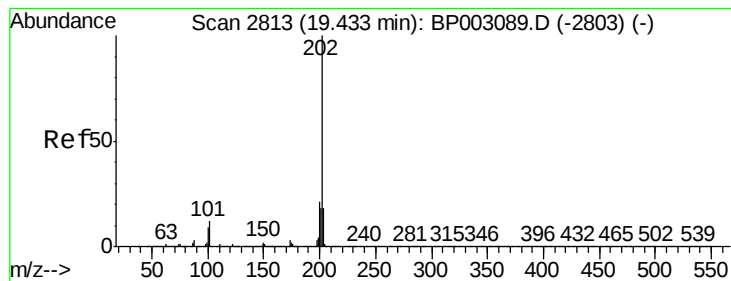
Sohil
9/9/2020 3:50:05 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	7.8	11.6#
236	26.4	20.8	31.2





#78

Pvrene

Concen: 50.616 ng

RT: 19.42 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

Tot Ion:202 Resp: 2381475

Ion Ratio Lower Upper

202 100

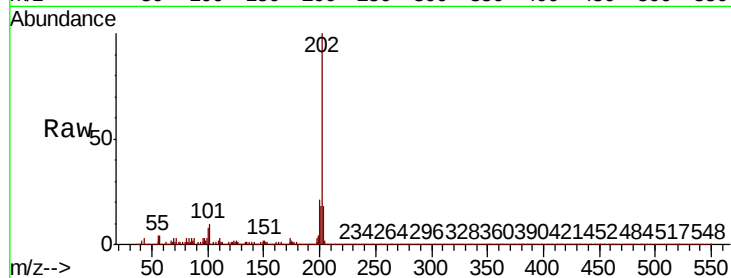
200 21.3 17.1 25.7

203 18.0 14.2 21.2

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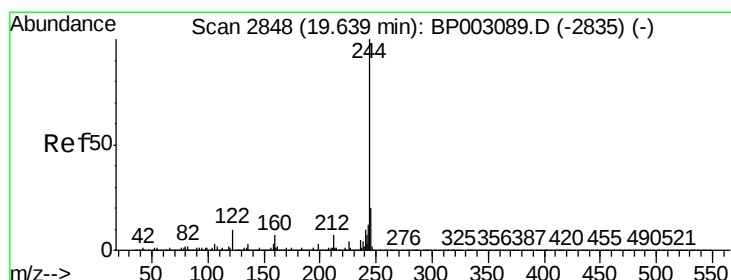
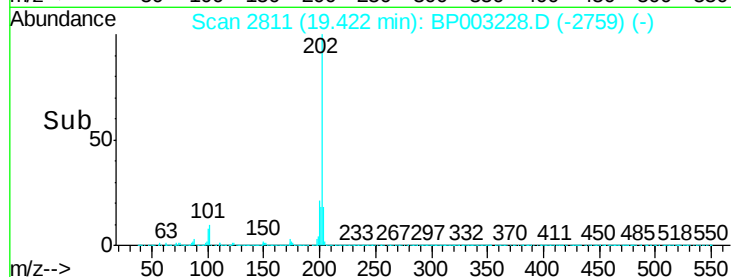
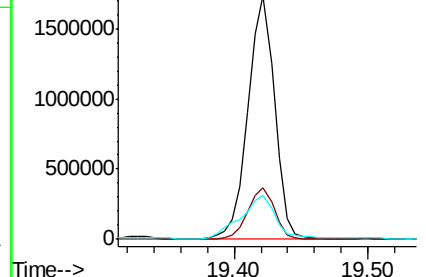
9/9/2020 3:50:05 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 57.400 ng

RT: 19.62 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

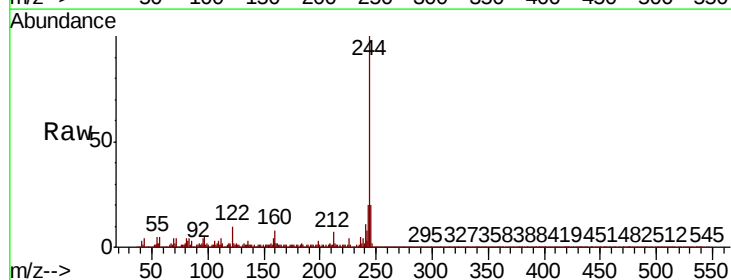
Tgt Ion:244 Resp: 1891031

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

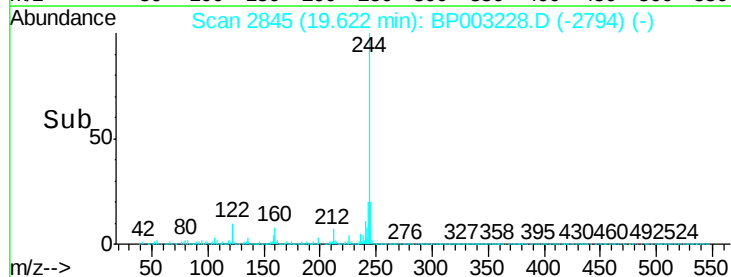
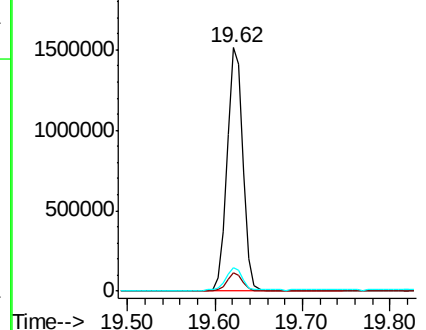
122 9.9 7.8 11.8

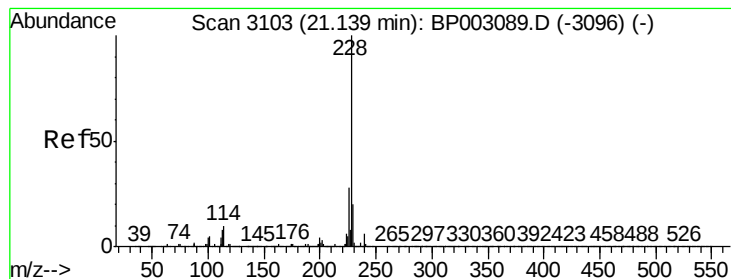


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 27.783 ng

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

Tot Ion:228 Resp: 1261597

Ion Ratio Lower Upper

228 100

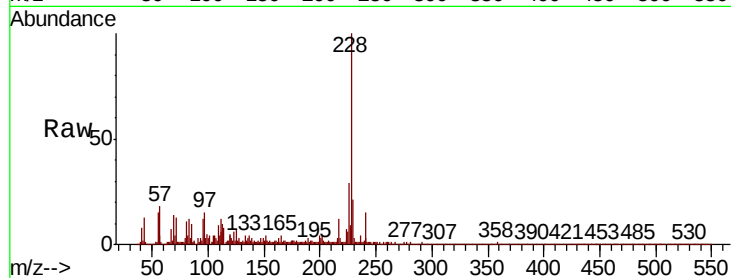
226 29.5 22.1 33.1

229 21.1 15.9 23.9

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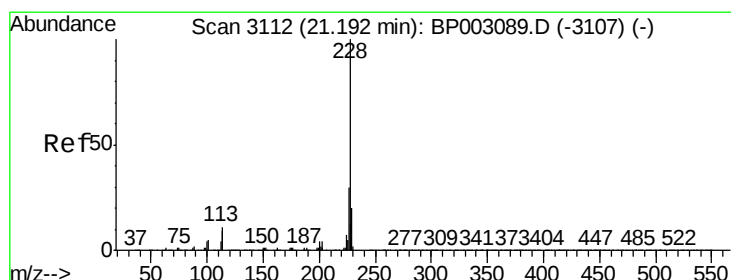
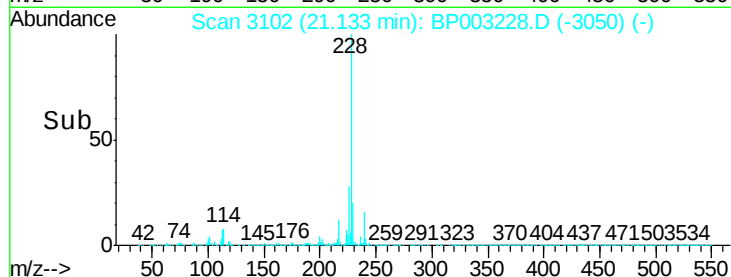
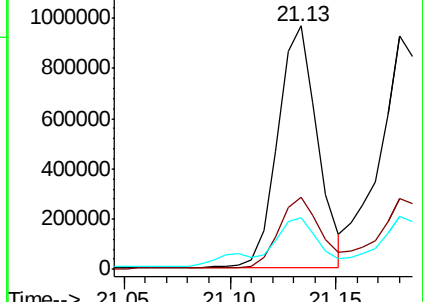
9/9/2020 3:50:05 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 30.388 ng

RT: 21.18 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

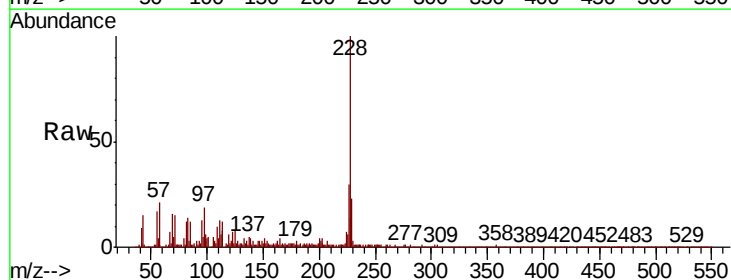
Tgt Ion:228 Resp: 1321188

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

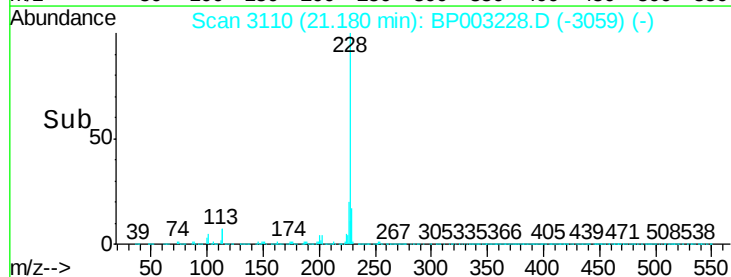
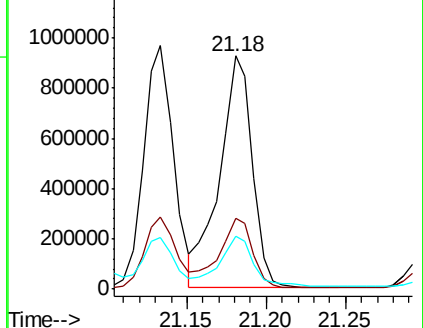
229 22.5 15.8 23.6

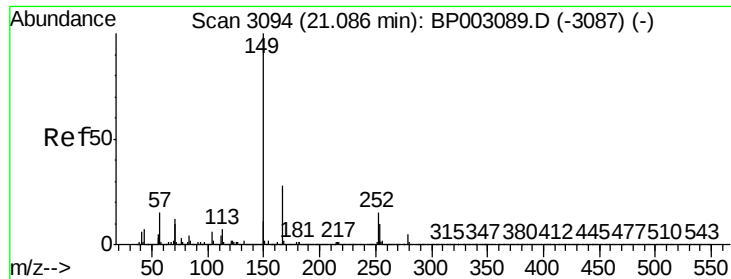


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





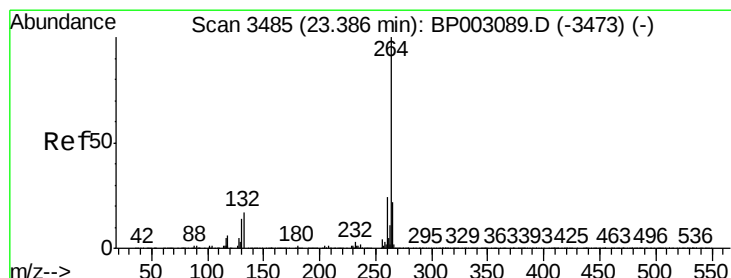
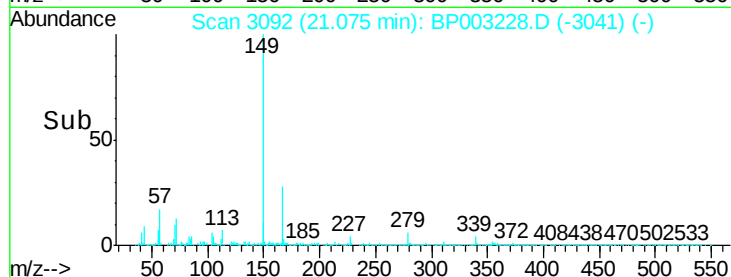
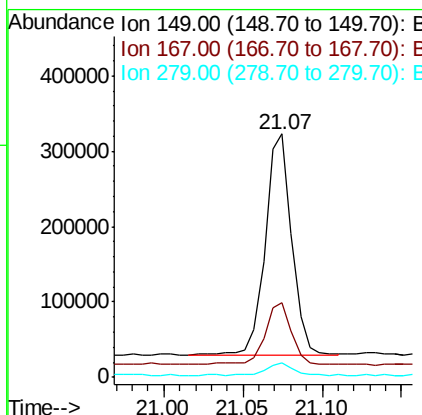
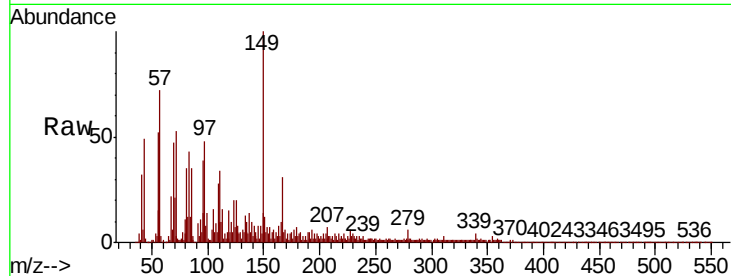
#84
Bis(2-ethylhexyl)phthalate
Concen: 12.292 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.5	22.6	34.0
279	6.0	4.2	6.2

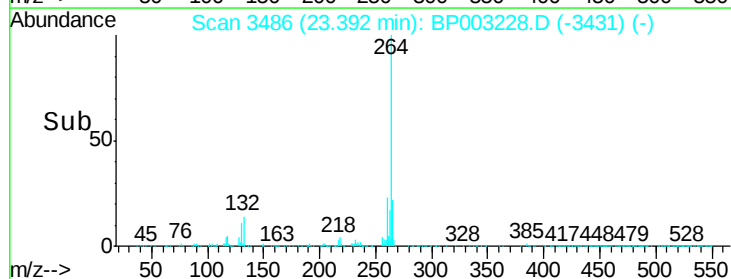
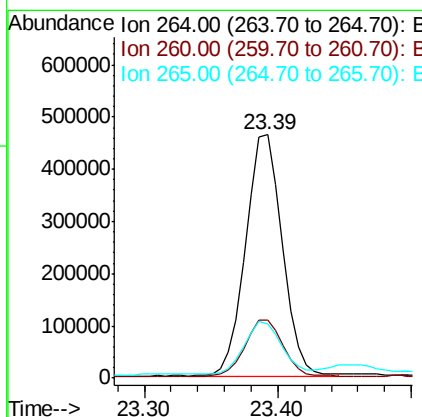
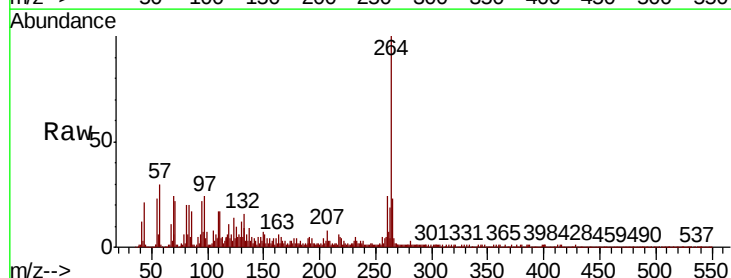
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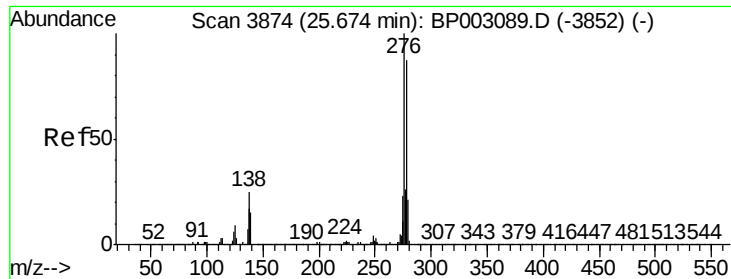
Sohil
9/9/2020 3:50:05 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3486
Delta R.T. 0.02 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.5	17.4	26.2





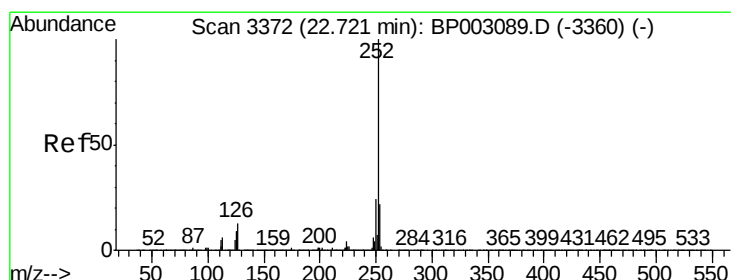
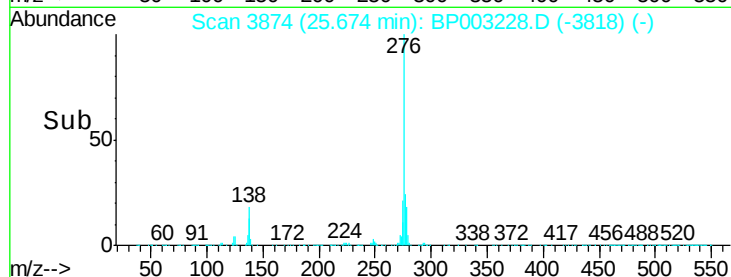
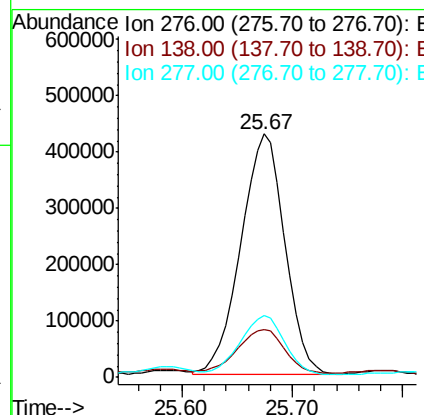
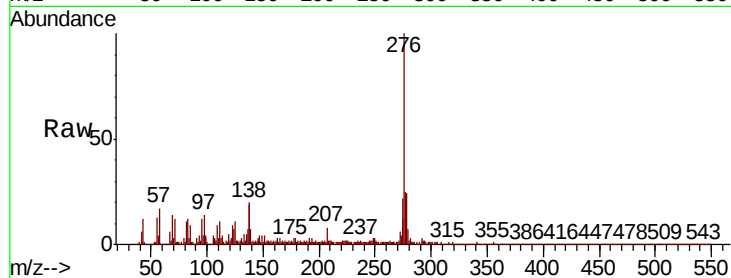
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.141 ng
 RT: 25.67 min Scan# 3874
 Delta R.T. 0.03 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Instrument :
 BNA_P
 ClientSampled :
 WC-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.7	28.1
277	25.1	20.4	30.6

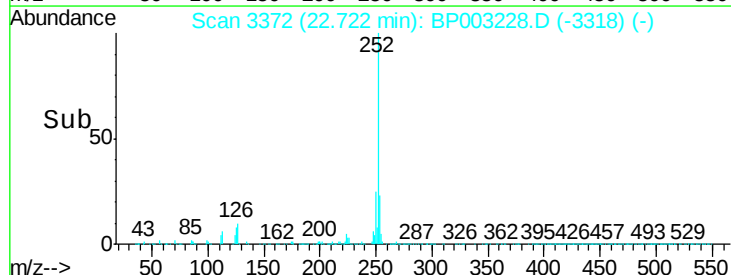
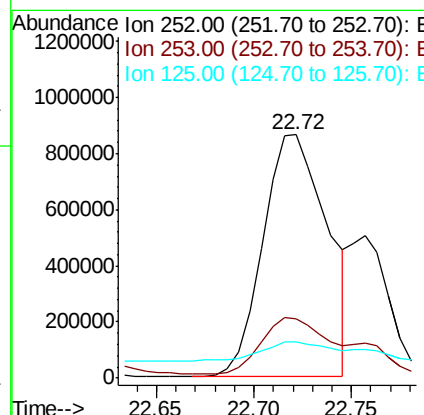
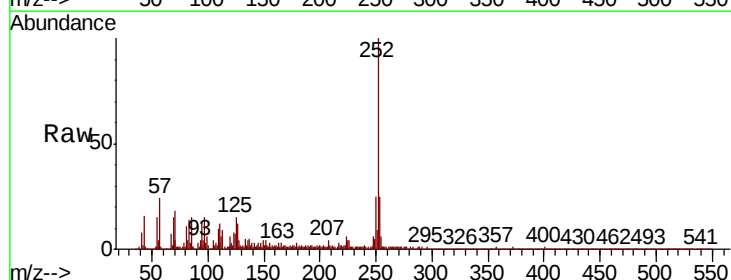
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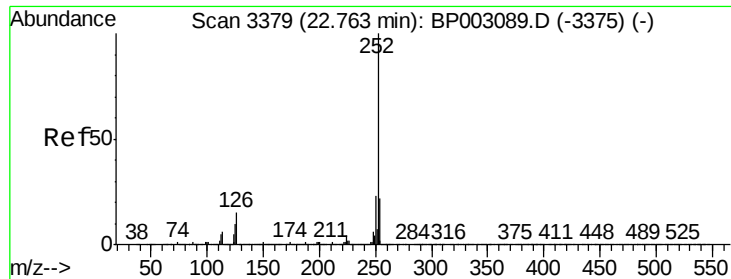
Sohil
 9/9/2020 3:50:05 PM



#88
 Benzo(b)fluoranthene
 Concen: 36.067 ng
 RT: 22.72 min Scan# 3372
 Delta R.T. 0.02 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	14.8	7.3	10.9





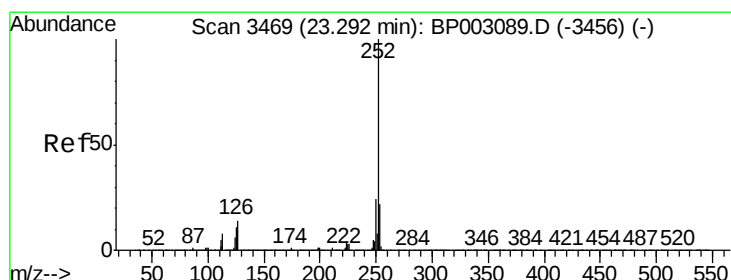
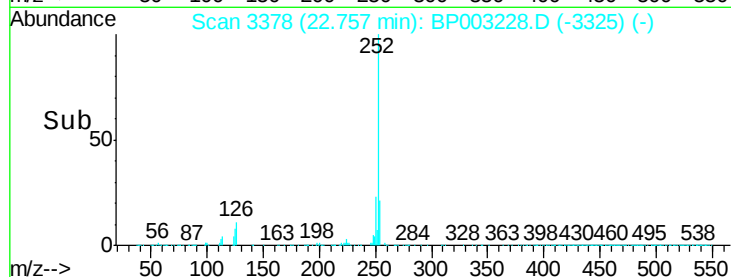
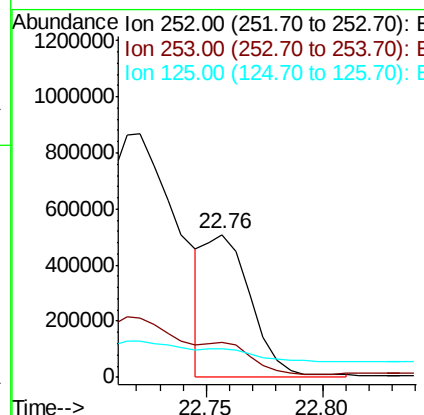
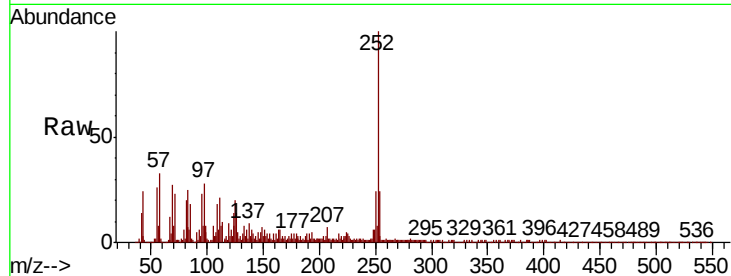
#89
Benzo(k)fluoranthene
Concen: 13.536 ng m
RT: 22.76 min Scan# 3378
Delta R.T. 0.01 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	20.1	7.4	11.2

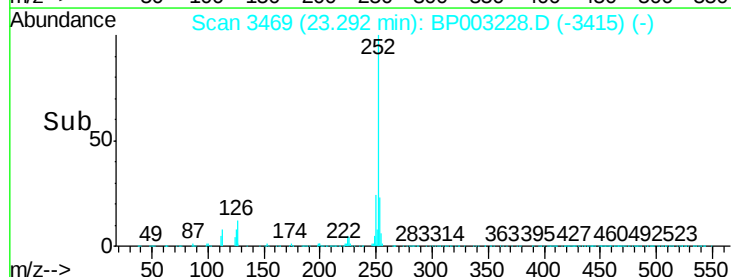
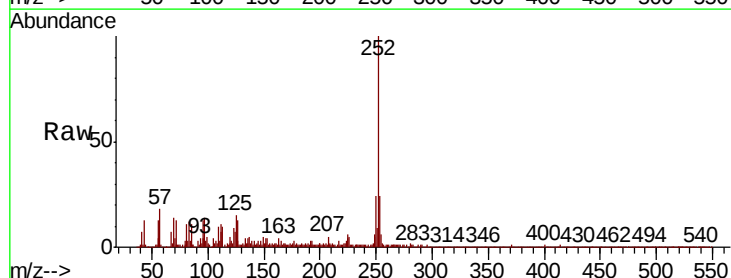
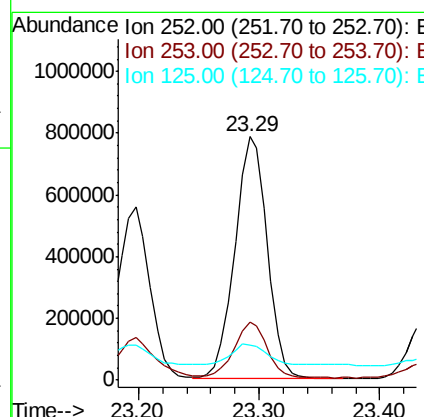
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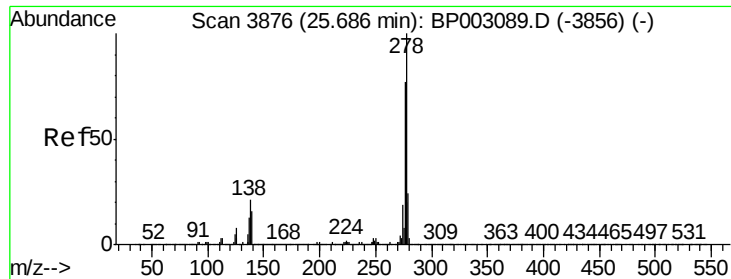
Sohil
9/9/2020 3:50:05 PM



#90
Benzo(a)pyrene
Concen: 28.852 ng
RT: 23.29 min Scan# 3469
Delta R.T. 0.02 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	14.5	8.2	12.4





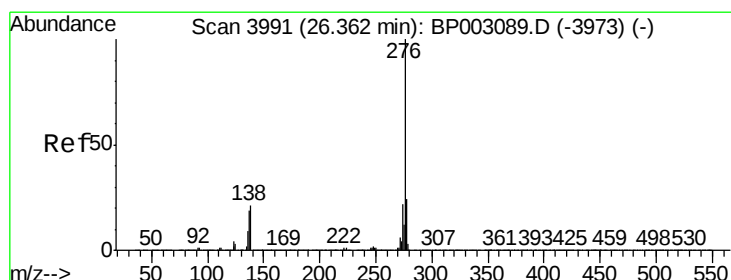
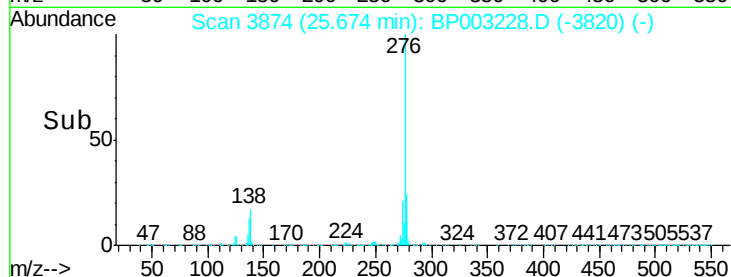
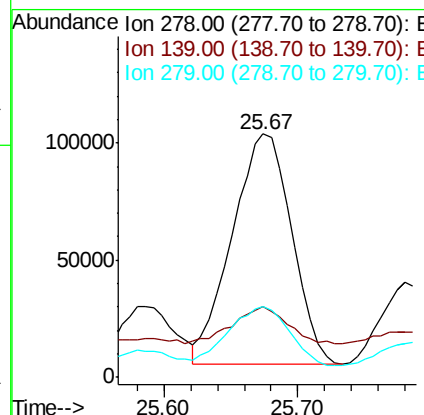
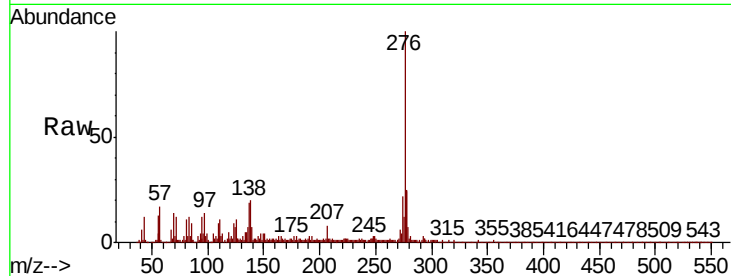
#91
Dibenzo(a,h)anthracene
Concen: 5.698 ng
RT: 25.67 min Scan# 3874
Delta R.T. 0.02 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.8	12.4	18.6#
279	28.8	19.0	28.6#

Manual Integrations
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Sohil
9/9/2020 3:50:05 PM



#92
Benzo(g,h,i)perylene
Concen: 22.192 ng
RT: 26.37 min Scan# 3993
Delta R.T. 0.04 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	20.9	16.6	24.8

