

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003230.D
 Acq On : 08 Sep 2020 16:56
 Operator : CG/JU
 Sample : L3877-17DL 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

Manual Integrations
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Quant Time: Sep 09 09:09:42 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	296984	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1091578	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	670623	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1356982	20.00	ng	0.00
76) Chrysene-d12	21.15	240	981984	20.00	ng	0.00
86) Perylene-d12	23.38	264	1085572	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	299851	17.85	ng	0.00
7) Phenol-d6	6.84	99	367746	17.46	ng	0.00
23) Nitrobenzene-d5	8.80	82	223544	14.76	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	161033	17.75	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	557339	12.17	ng	0.00
79) Terphenyl-d14	19.62	244	650512	14.58	ng	0.00
Target Compounds						
31) Naphthalene	10.49	128	434296	7.744	ng	Qvalue # 91
37) 2-Methylnaphthalene	12.11	142	2158745	53.809	ng	98
38) 1-Methylnaphthalene	12.33	142	3327607	87.266	ng	100
52) Acenaphthene	14.36	154	677156	17.703	ng	99
55) Dibenzofuran	14.70	168	247499	4.120	ng	# 62
58) Fluorene	15.35	166	985125	21.289	ng	# 98
71) Phenanthrene	17.10	178	3278975	44.594	ng	98
72) Anthracene	17.19	178	1097186	15.591	ng	99
75) Fluoranthene	19.07	202	1586651	18.670	ng	99
78) Pyrene	19.43	202	2598136	40.766	ng	100
81) Benzo(a)anthracene	21.13	228	777451m	12.639	ng	
83) Chrysene	21.18	228	739601	12.558	ng	96
87) Indeno(1,2,3-cd)pyrene	25.65	276	255054	3.151	ng	98
88) Benzo(b)fluoranthene	22.71	252	545276m	8.082	ng	
89) Benzo(k)fluoranthene	22.75	252	162239m	2.517	ng	
90) Benzo(a)pyrene	23.28	252	498630	7.966	ng	96
92) Benzo(a,h,i)perylene	26.34	276	294065	4.406	ng	97

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

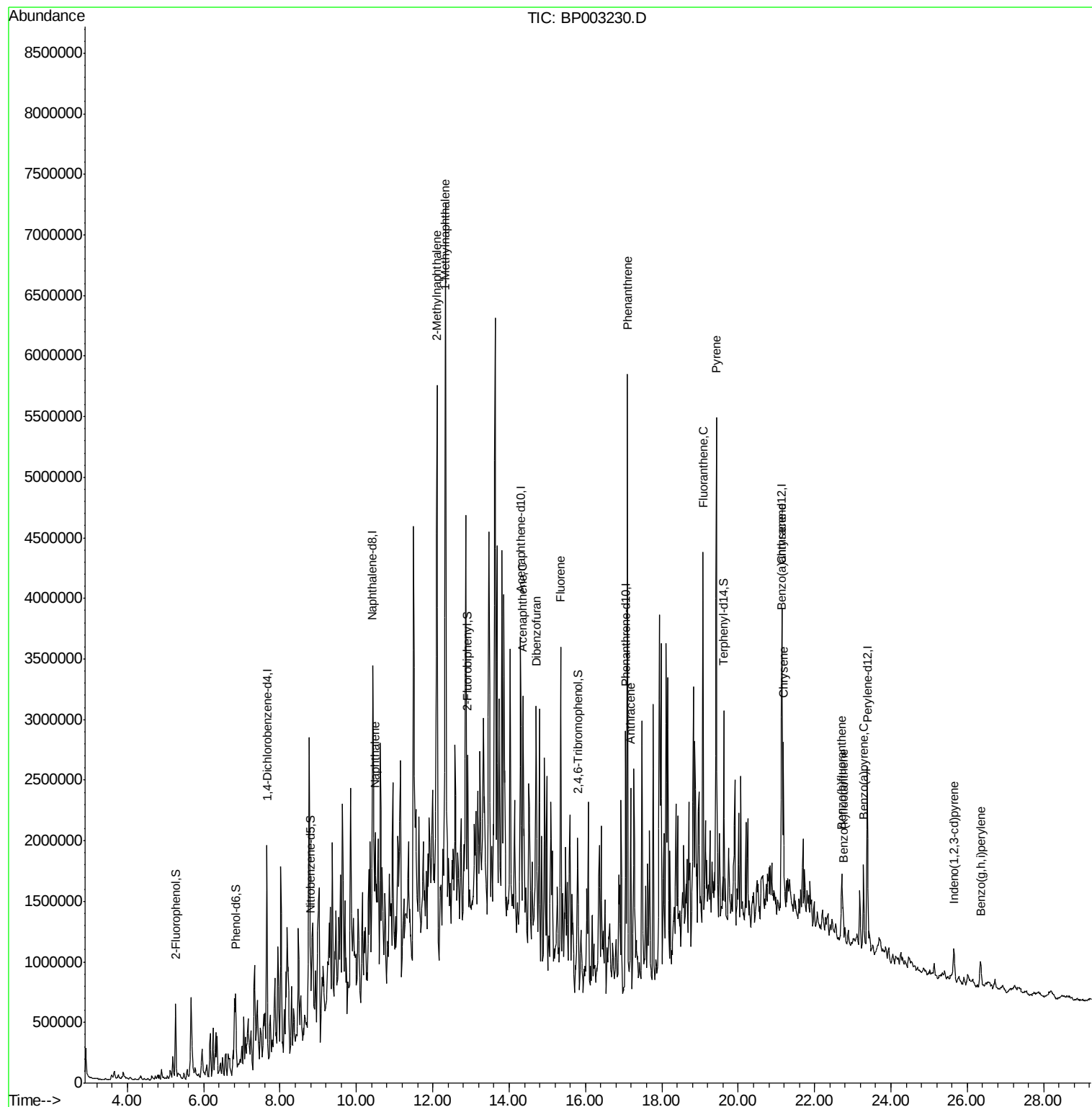
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
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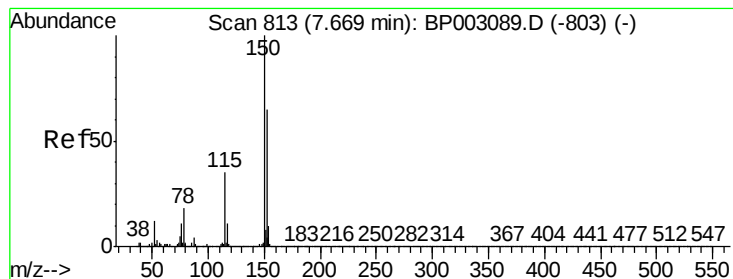
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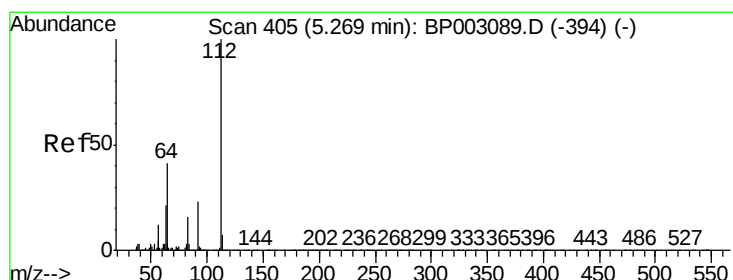
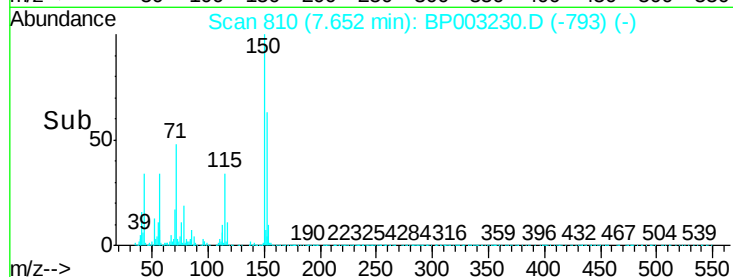
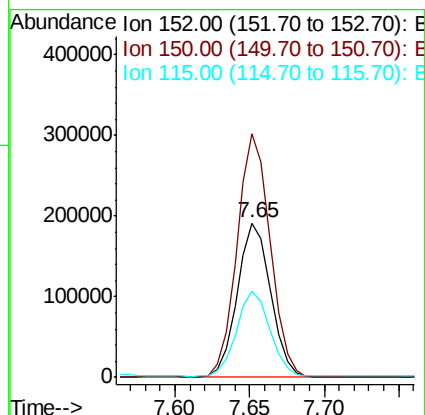
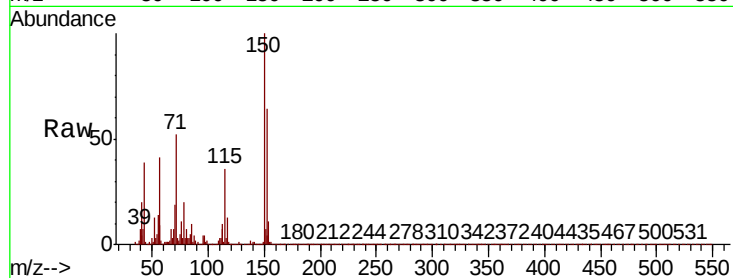
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.65 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Instrument :
 BNA_P
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.8	185.6
115	56.1	43.8	65.6

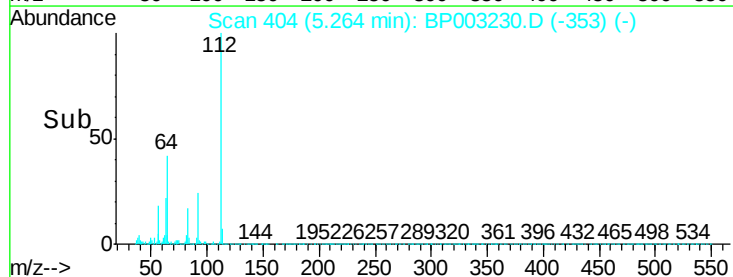
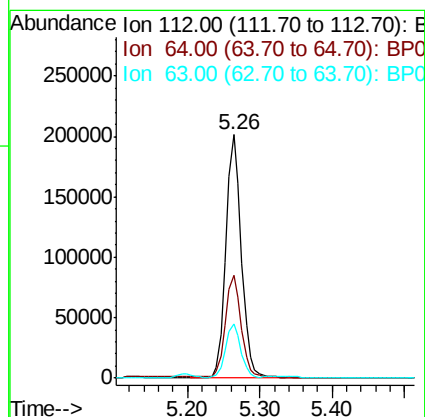
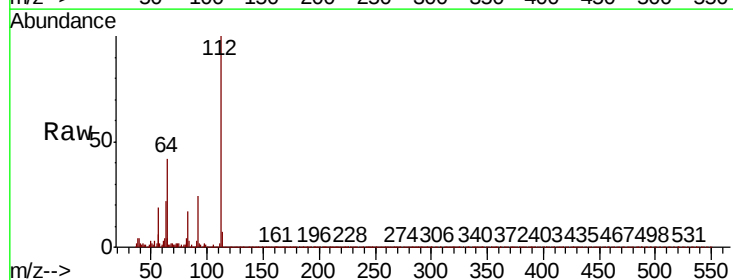
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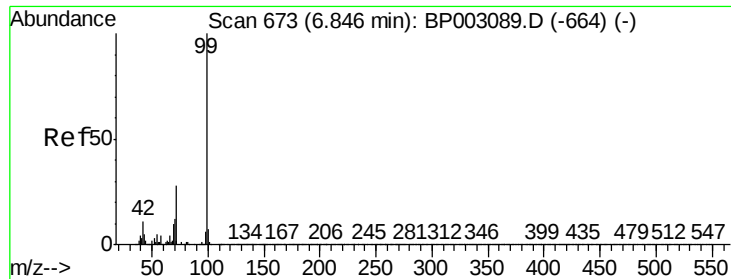
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#5
 2-Fluorophenol
 Concen: 17.851 ng
 RT: 5.26 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.0	32.8	49.2
63	22.1	17.0	25.4





#7

Phenol-d6

Concen: 17.464 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Instrument :

BNA_P

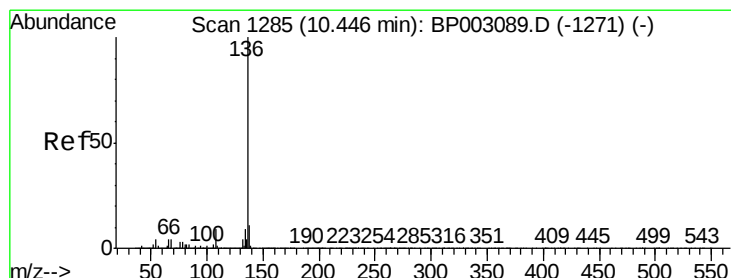
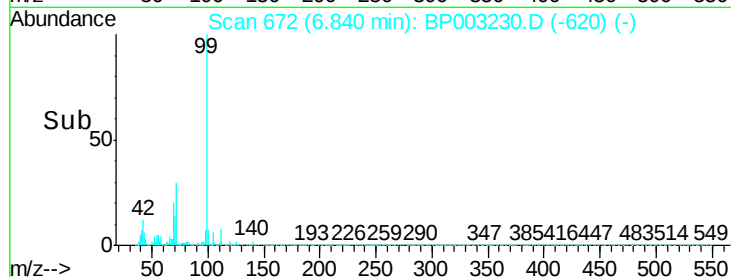
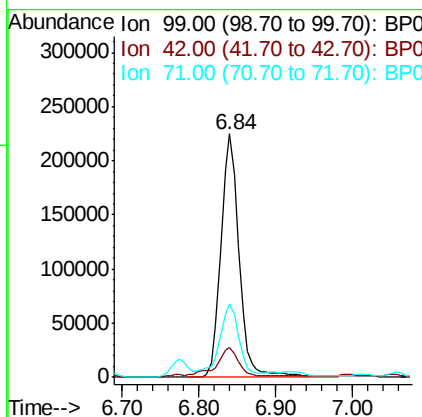
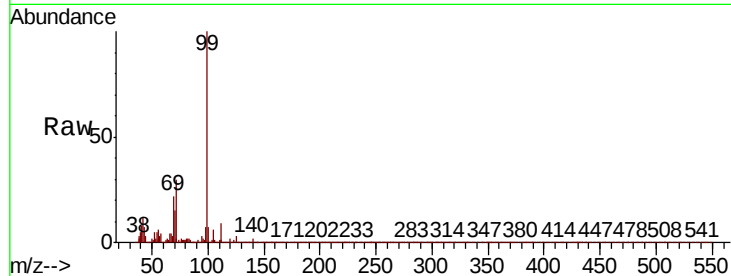
ClientSampleId :

TP-4DL

Tot Ion:	99	Resp:	367746
Ion Ratio	Lower	Upper	
99	100		
42	12.4	8.6	13.0
71	30.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

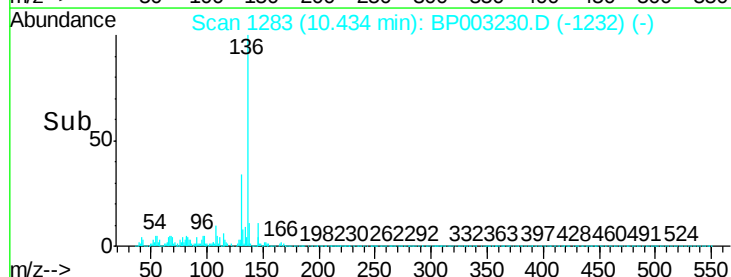
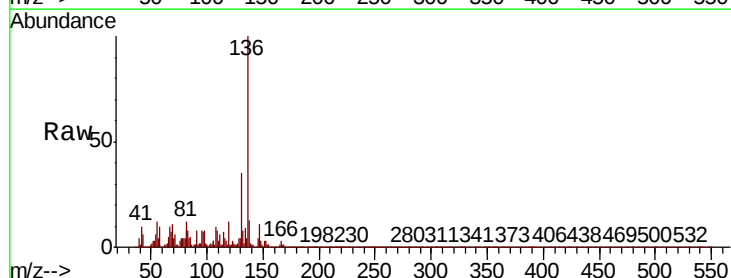
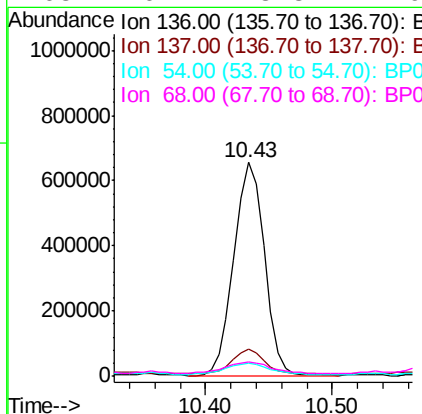
RT: 10.43 min Scan# 1283

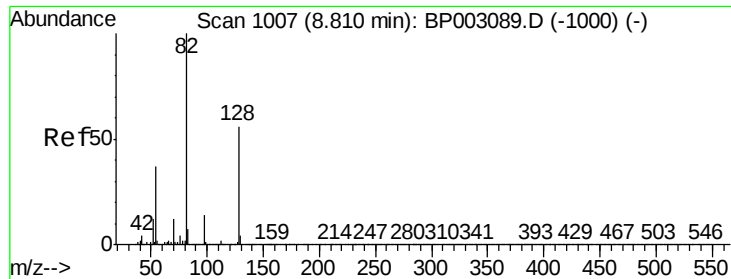
Delta R.T. -0.00 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Tgt Ion:	136	Resp:	1091578
Ion Ratio	Lower	Upper	
136	100		
137	12.5	8.6	13.0
54	6.0	3.6	5.4#
68	6.7	3.3	4.9#





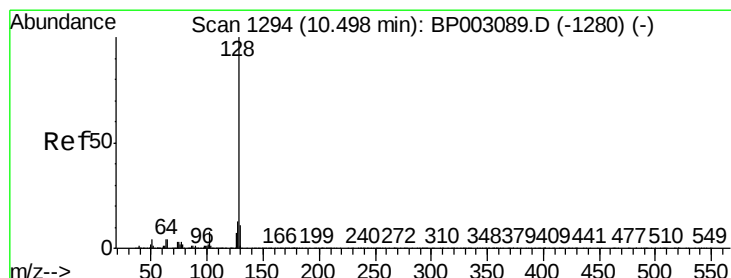
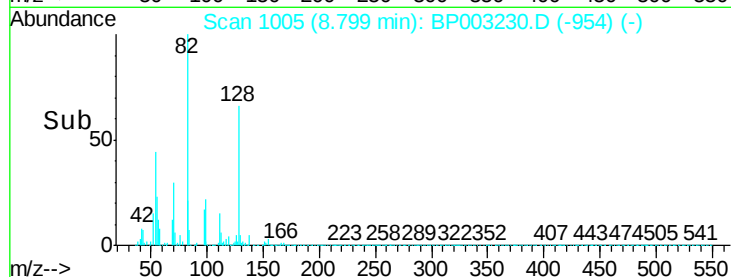
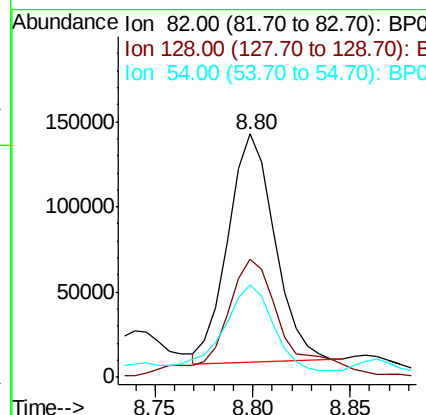
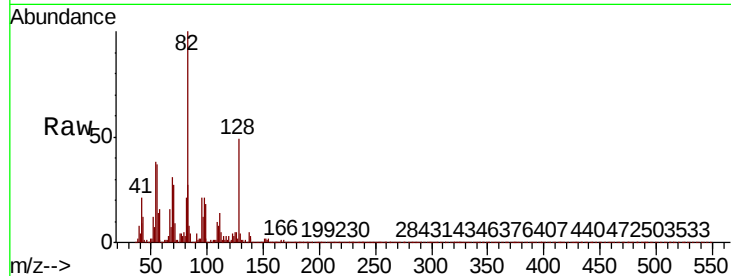
#23
Nitrobenzene-d5
Concen: 14.763 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	45.6	68.4
54	38.1	30.1	45.1

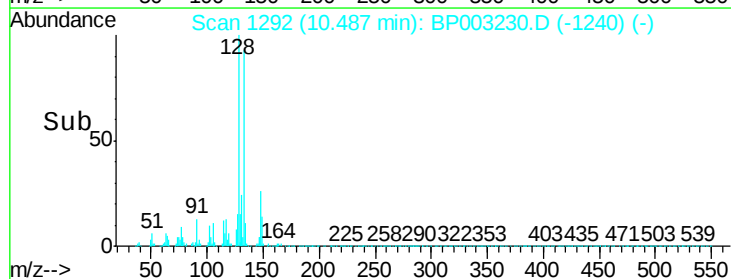
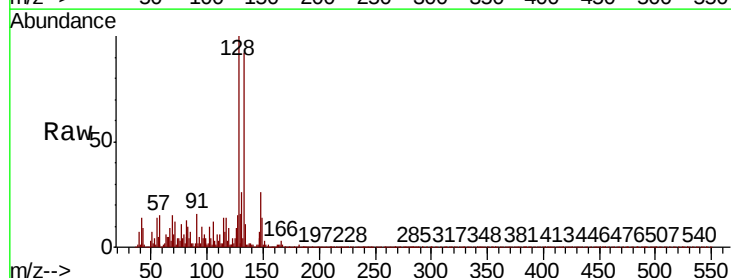
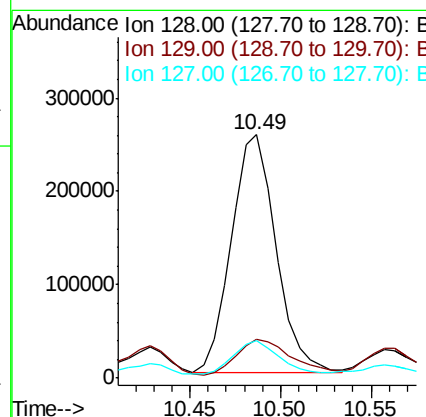
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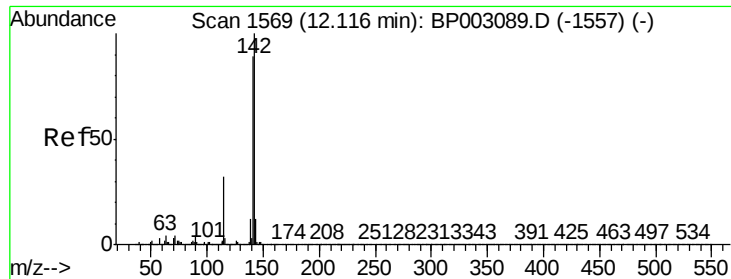
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#31
Naphthalene
Concen: 7.744 ng
RT: 10.49 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.9	8.8	13.2#
127	15.3	10.6	15.8





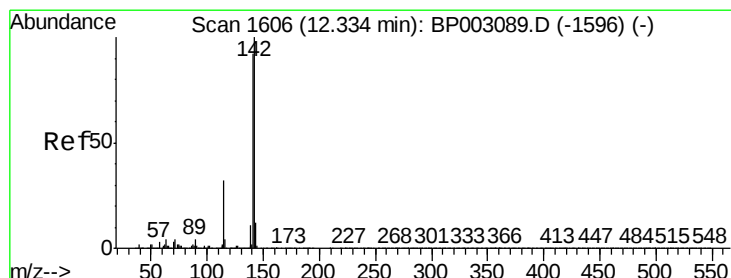
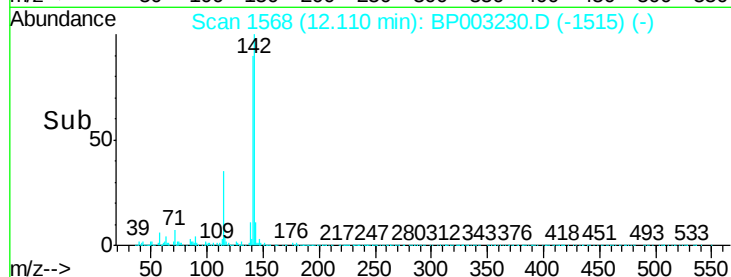
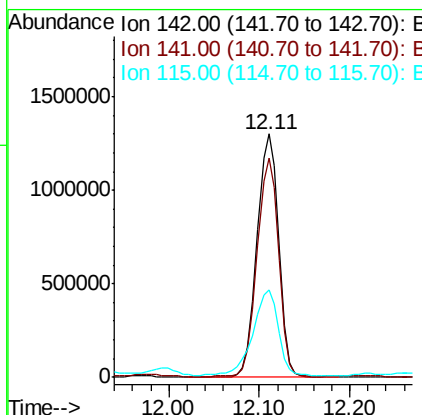
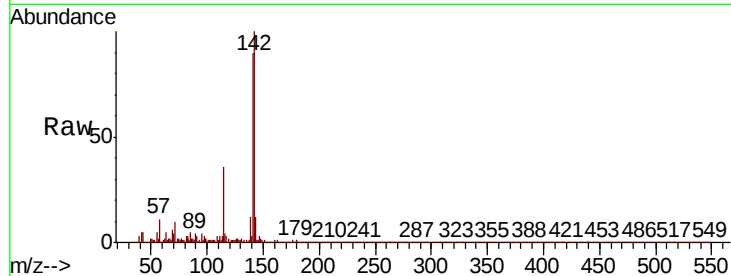
#37
 2-Methylnaphthalene
 Concen: 53.809 ng
 RT: 12.11 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Instrument :
 BNA_P
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.2
115	35.9	25.8	38.6

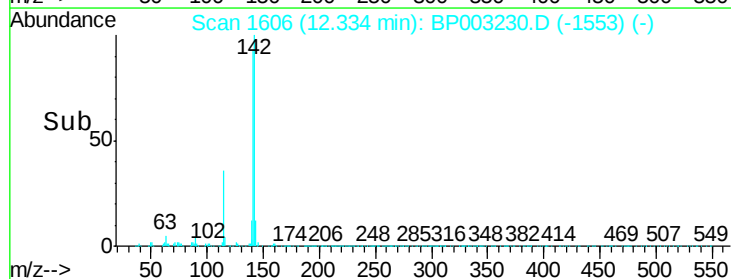
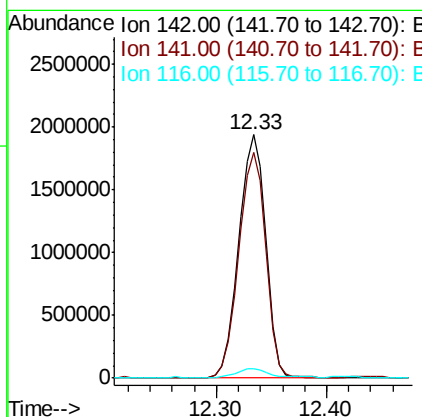
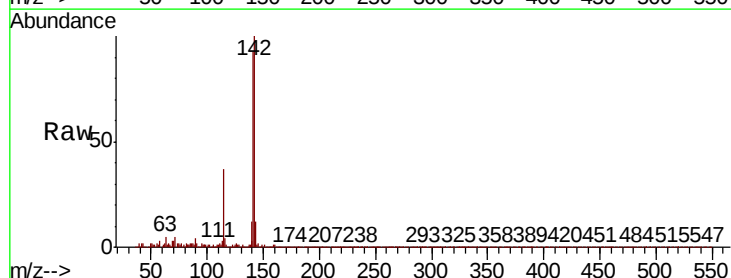
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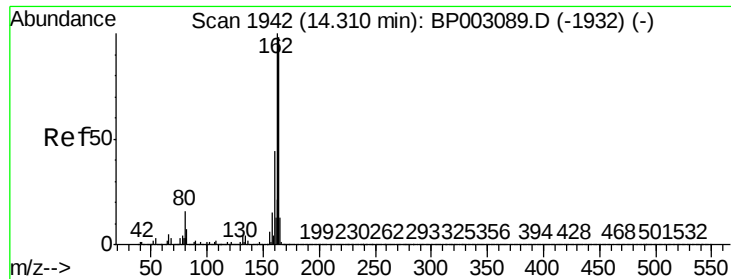
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#38
 1-Methylnaphthalene
 Concen: 87.266 ng
 RT: 12.33 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.4	111.6
116	3.9	2.9	4.3





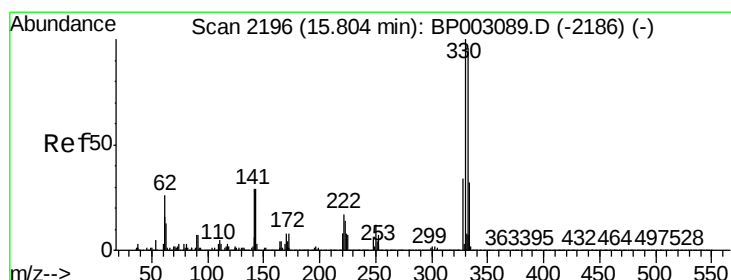
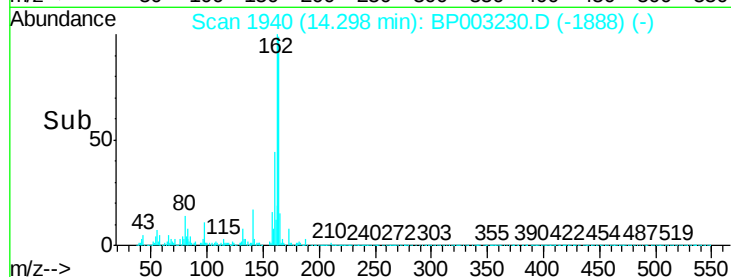
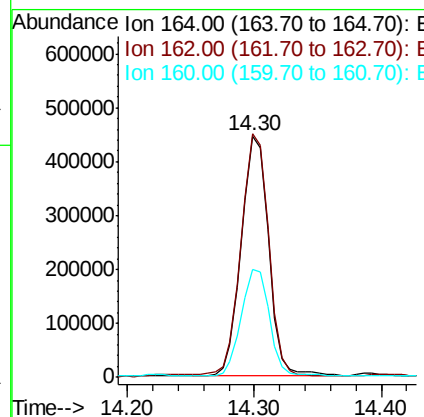
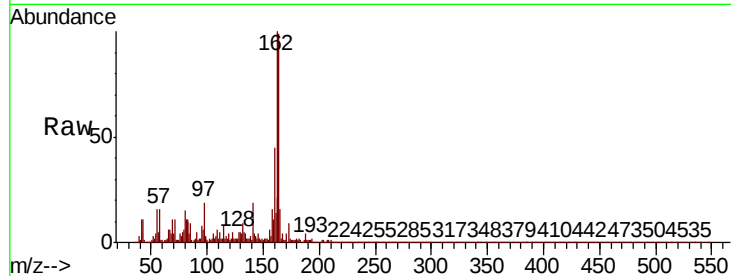
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.2
160	44.9	36.1	54.1

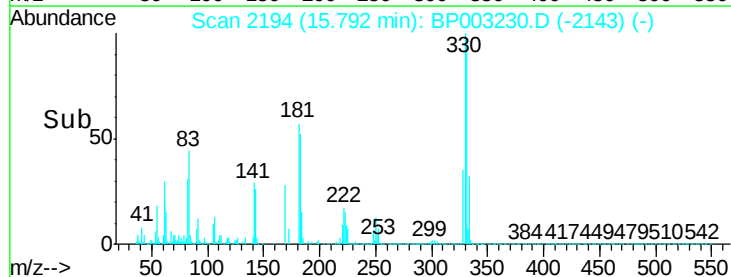
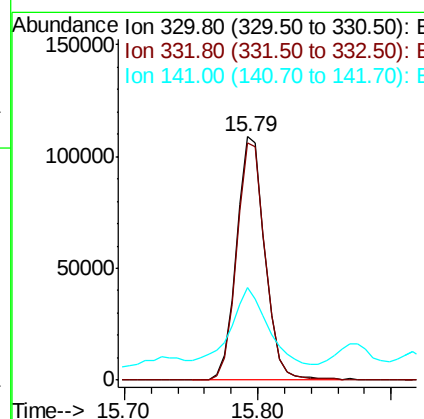
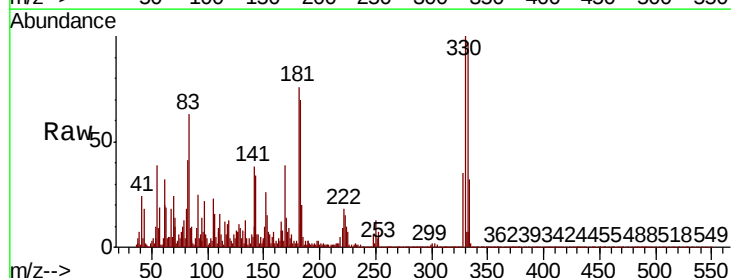
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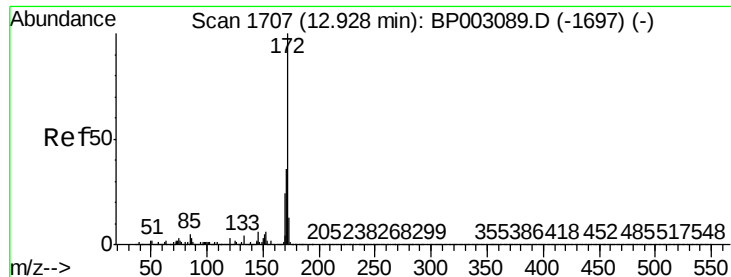
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#42
2,4,6-Tribromophenol
Concen: 17.754 ng
RT: 15.79 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.1	115.7
141	39.5	23.4	35.2#





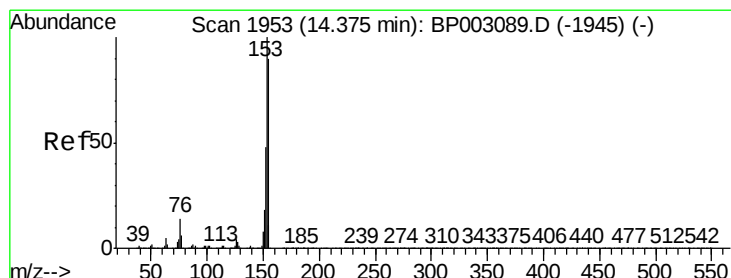
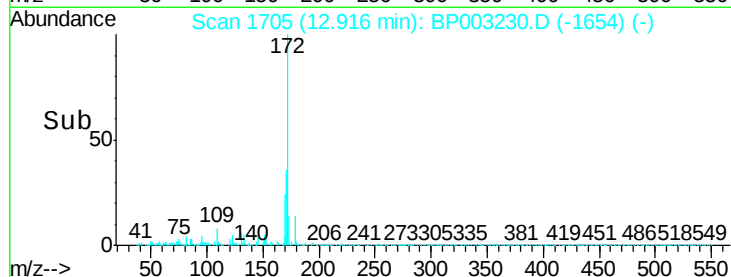
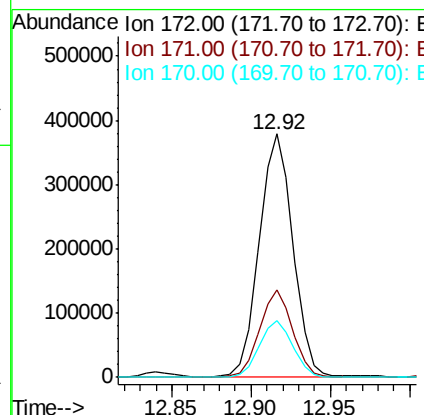
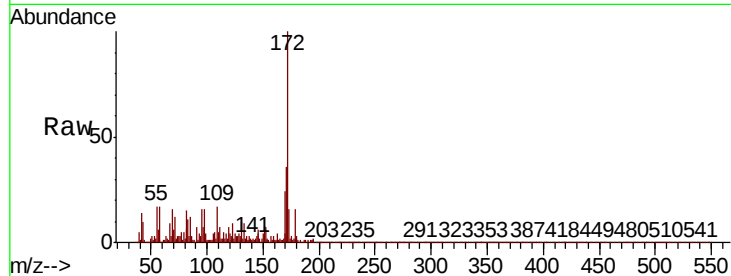
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2-Fluorobiphenyl
Concen: 12.171 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.5	19.2	28.8

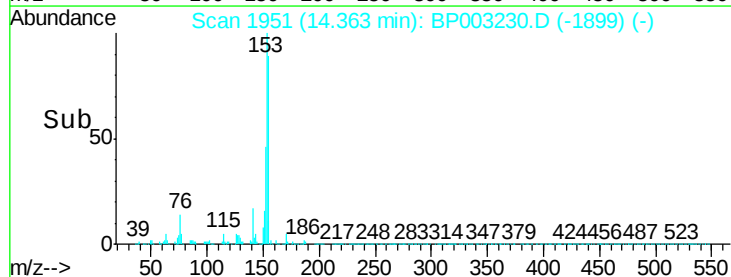
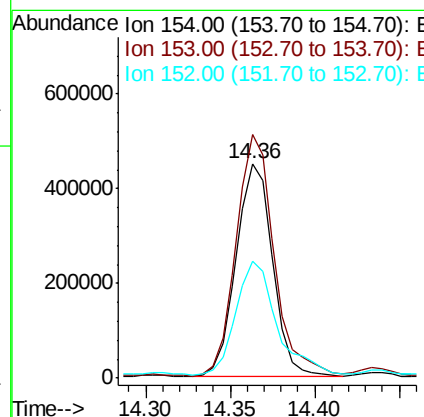
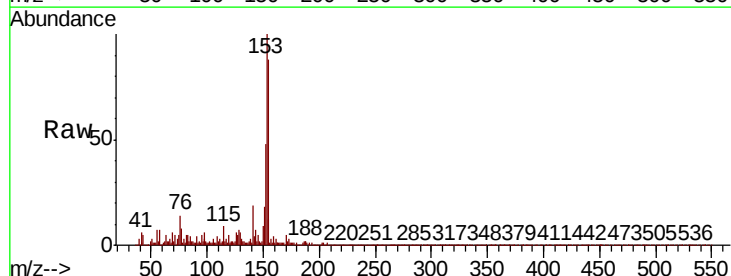
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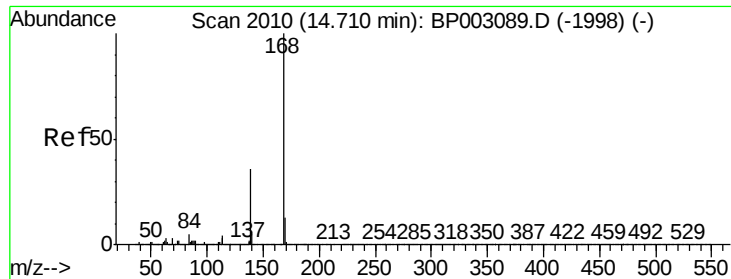
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#52
Acenaphthene
Concen: 17.703 ng
RT: 14.36 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.0	136.6
152	54.8	43.0	64.6





#55

Dibenzenofuran

Concen: 4.120 ng

RT: 14.70 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Instrument :

BNA_P

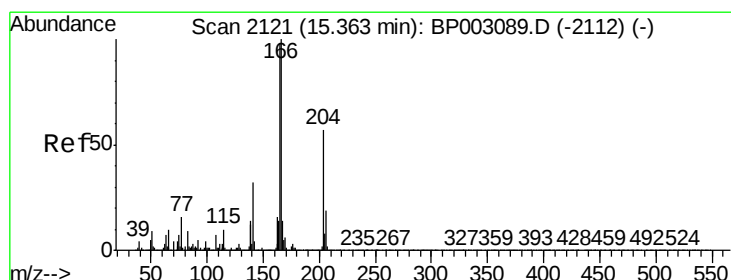
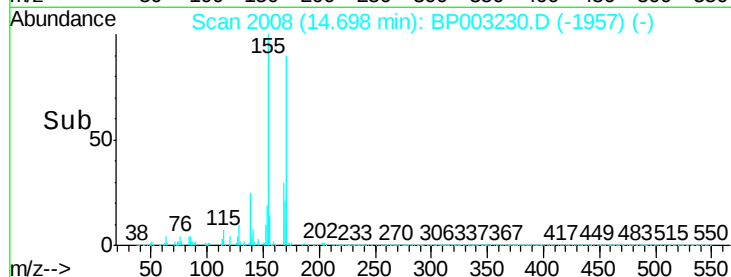
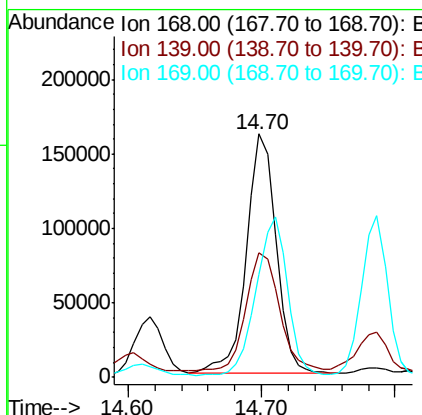
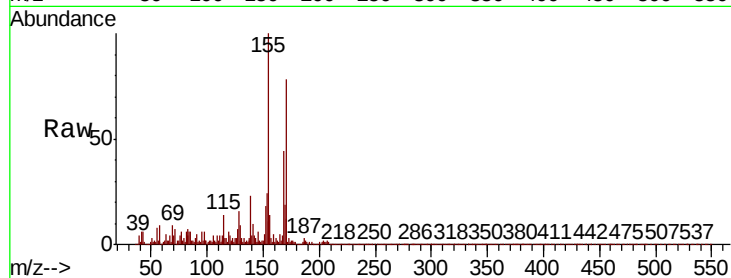
ClientSampled :

TP-4DL

Tot Ion:	168	Resp:	247499
Ion Ratio	Lower	Upper	
168	100		
139	51.1	29.1	43.7#
169	42.3	10.4	15.6#

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#58

Fluorene

Concen: 21.289 ng

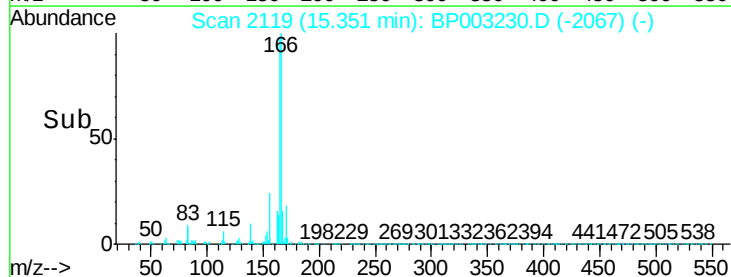
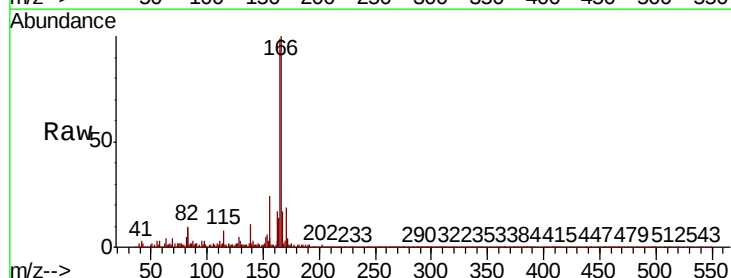
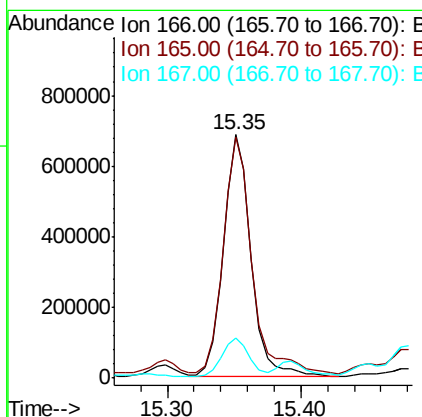
RT: 15.35 min Scan# 2119

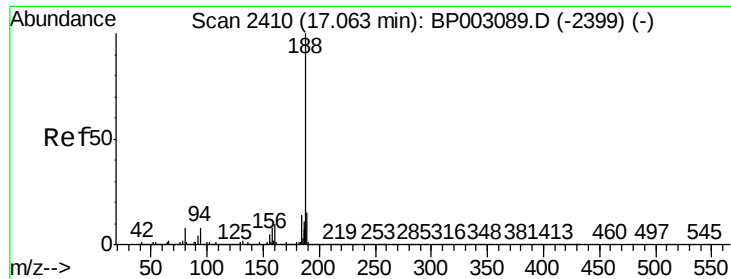
Delta R.T. 0.01 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Tgt Ion:	166	Resp:	985125
Ion Ratio	Lower	Upper	
166	100		
165	98.8	77.8	116.8
167	16.6	11.0	16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Instrument :

BNA_P

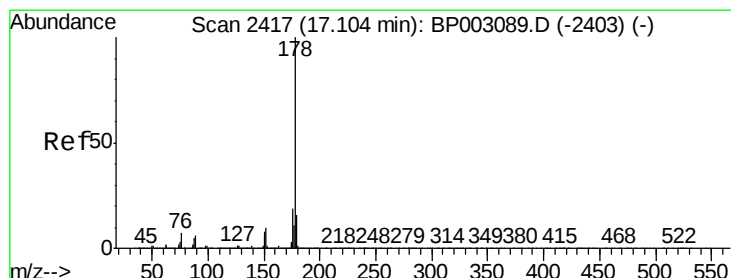
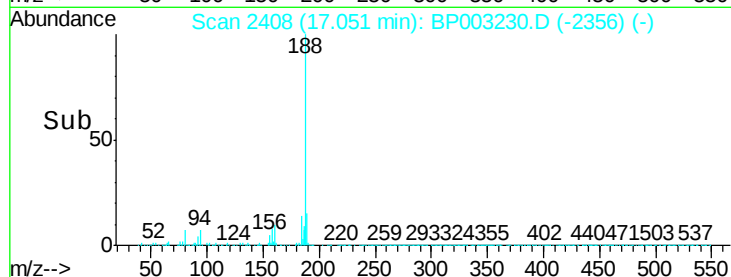
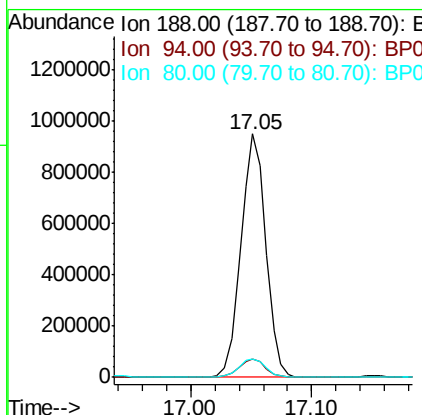
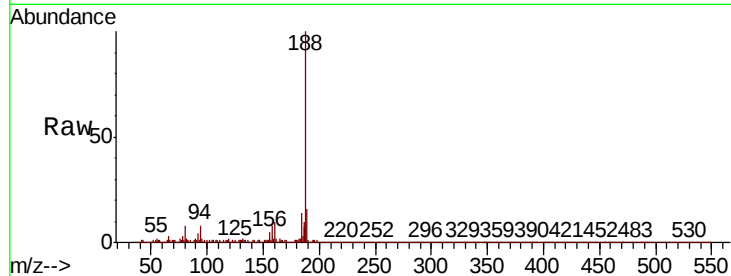
ClientSampleId :

TP-4DL

Tot Ion:188	Resp: 1356982
Ion Ratio	Lower Upper
188 100	
94 7.7	6.2 9.2
80 7.8	6.2 9.2

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#71

Phenanthrene

Concen: 44.594 ng

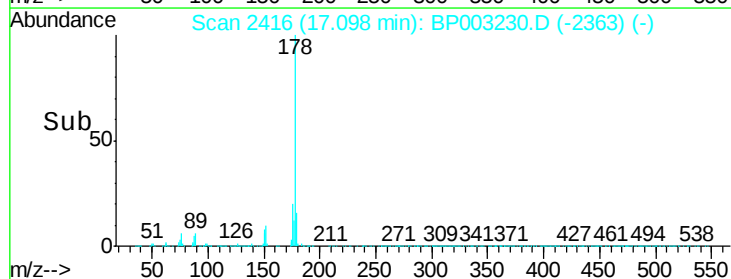
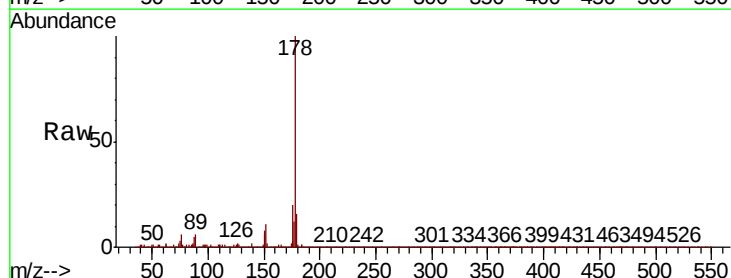
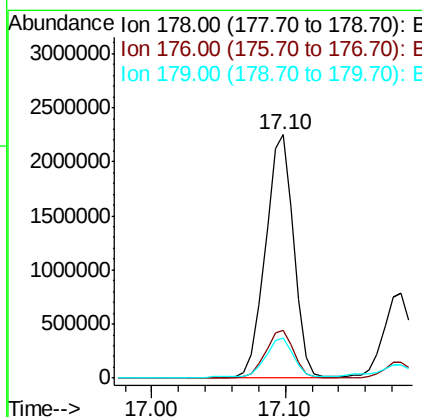
RT: 17.10 min Scan# 2416

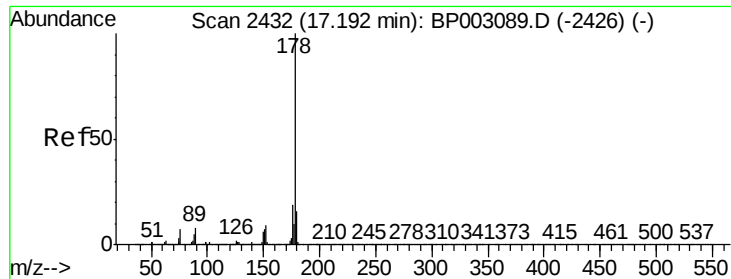
Delta R.T. 0.01 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Tgt	Ion:178	Resp: 3278975	
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	16.3	12.5	18.7





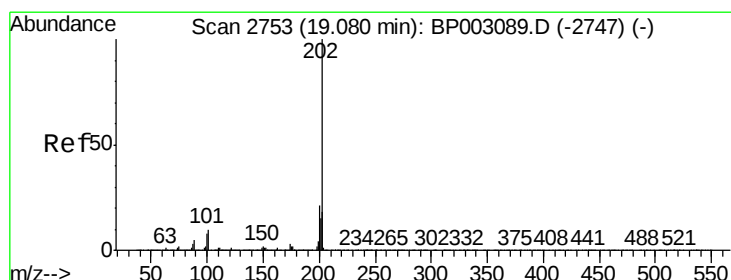
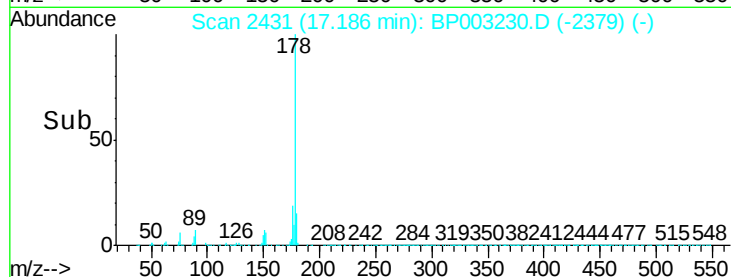
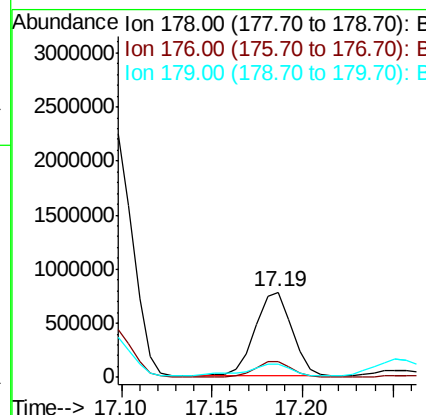
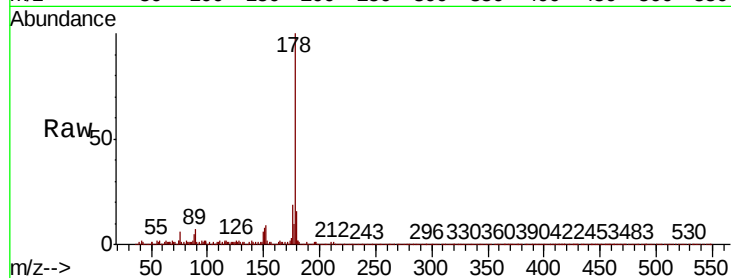
#72
 Anthracene
 Concen: 15.591 ng
 RT: 17.19 min Scan# 2431
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Instrument :
 BNA_P
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.1	12.5	18.7

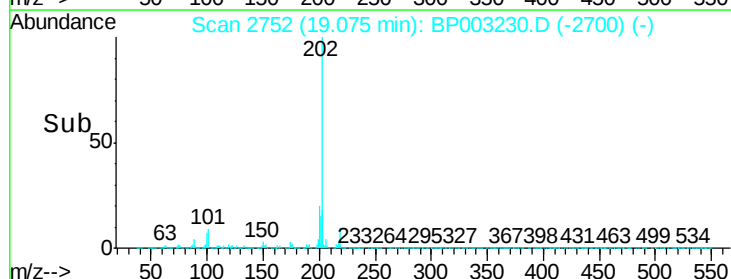
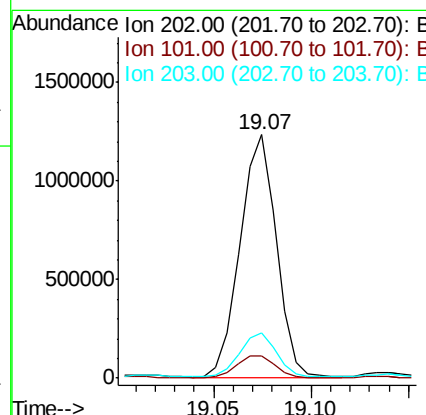
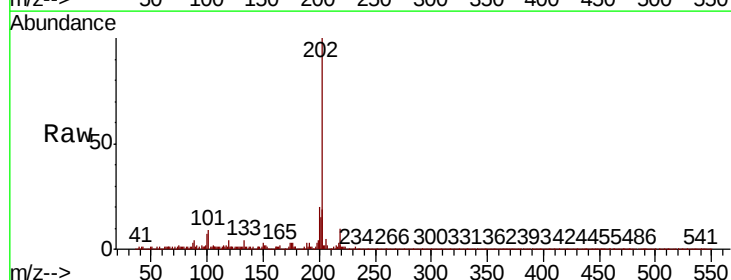
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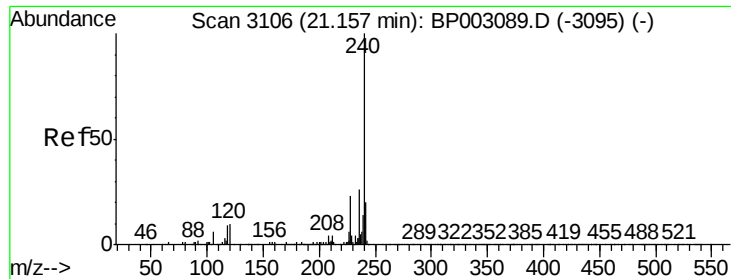
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#75
 Fluoranthene
 Concen: 18.670 ng
 RT: 19.07 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.4
203	18.7	0.0	37.8





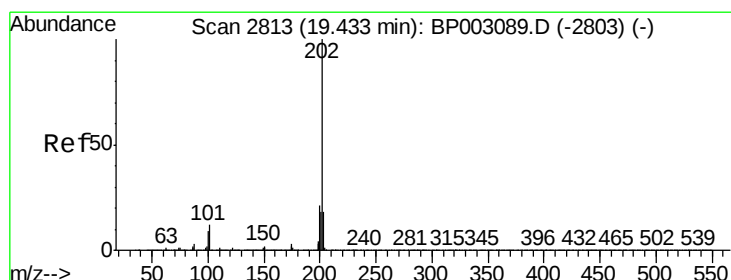
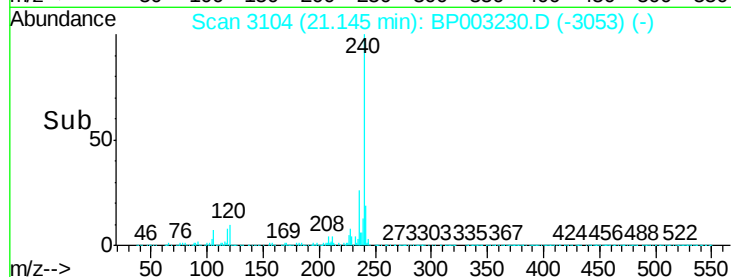
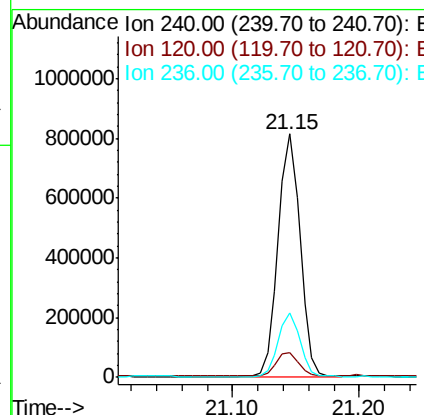
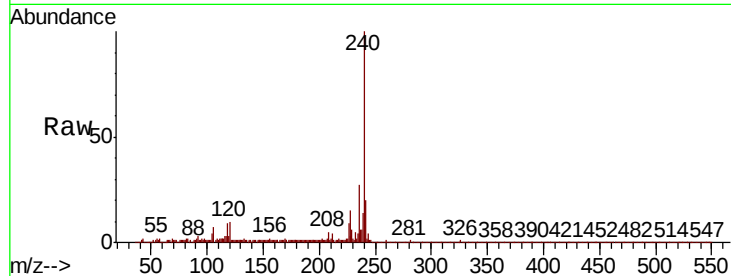
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.8	11.6
236	26.5	20.8	31.2

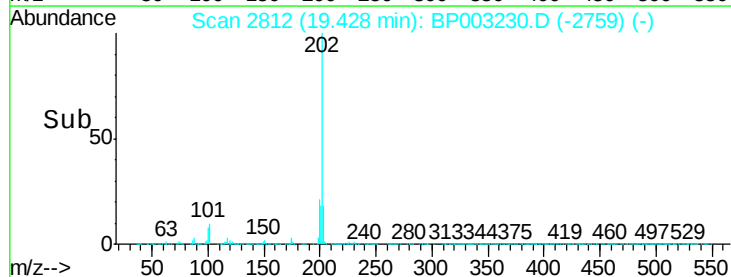
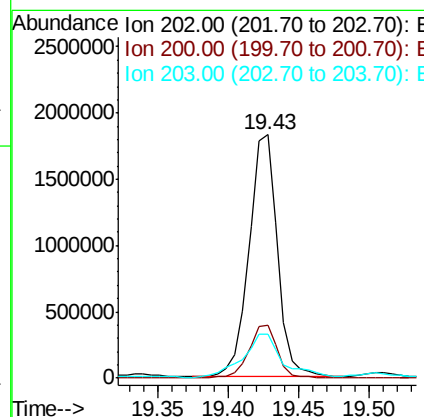
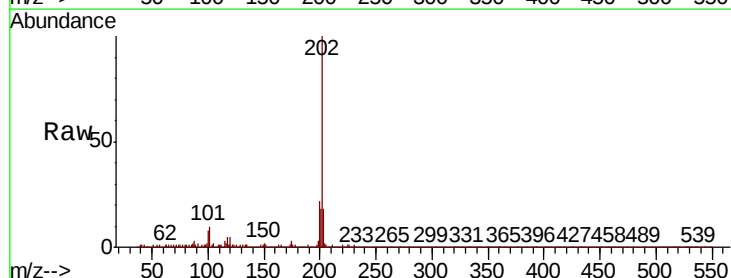
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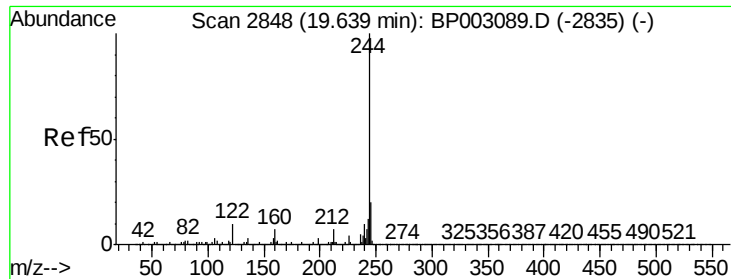
Sohil
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#78
Pyrene
Concen: 40.766 ng
RT: 19.43 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	18.0	14.2	21.2





#79

Terphenyl-d14

Concen: 14.577 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Instrument :

BNA_P

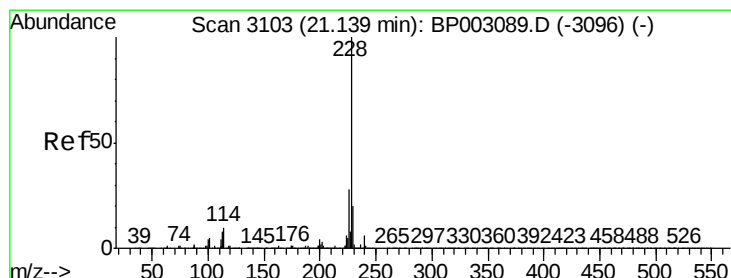
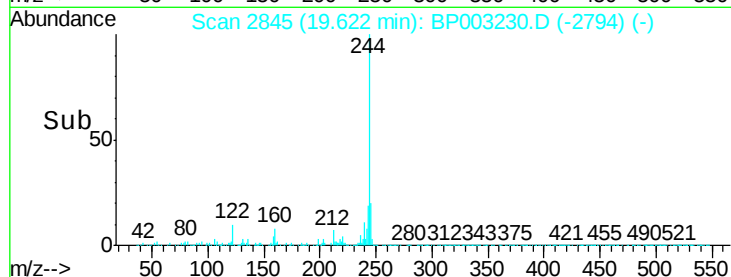
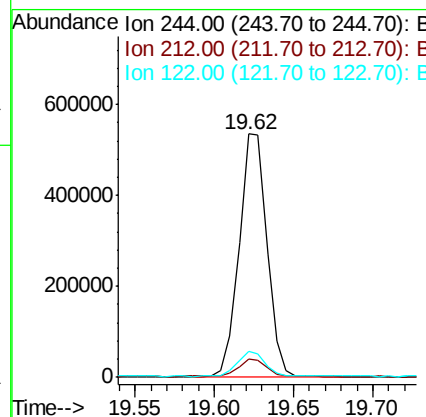
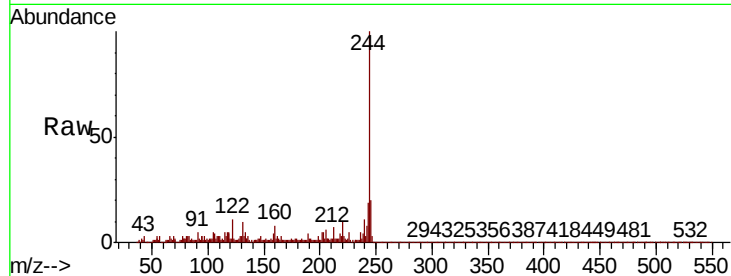
ClientSampled :

TP-4DL

Tot Ion:	244	Resp:	650512
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.8	8.6
122	10.8	7.8	11.8

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#81

Benzo(a)anthracene

Concen: 12.639 ng m

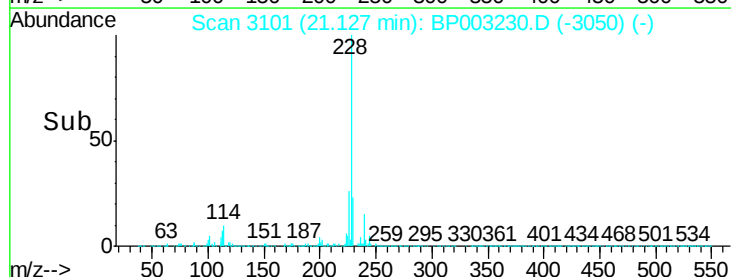
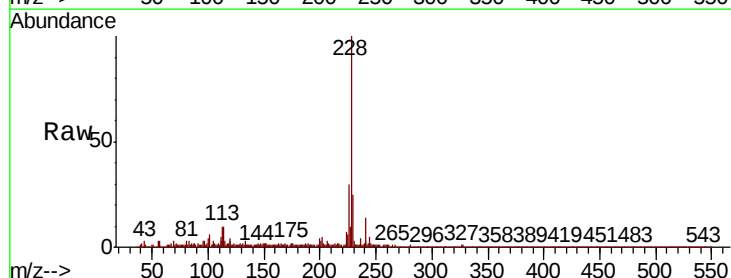
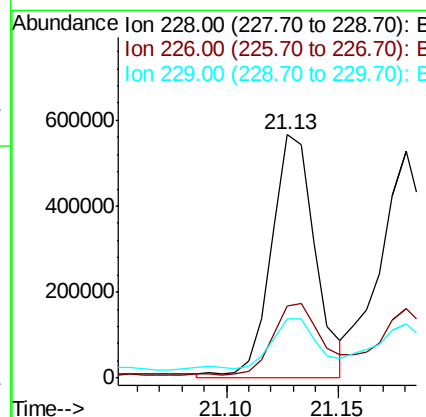
RT: 21.13 min Scan# 3101

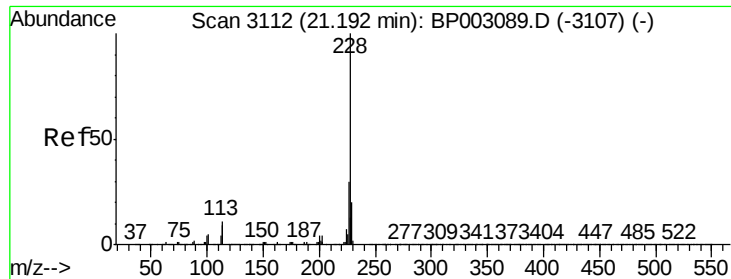
Delta R.T. -0.00 min

Lab File: BP003230.D

Acq: 08 Sep 2020 16:56

Tgt Ion:	228	Resp:	777451
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.1	33.1
229	24.5	15.9	23.9#





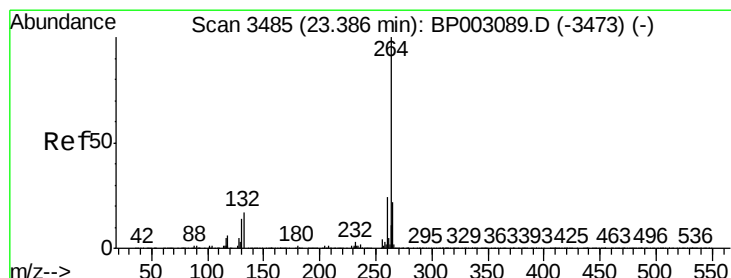
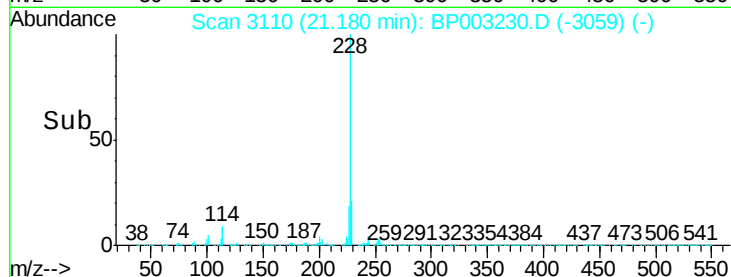
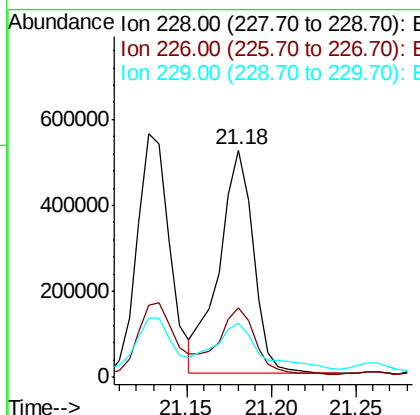
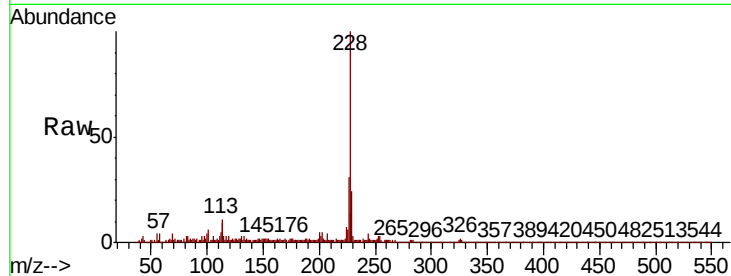
#83
Chrysene
Concen: 12.558 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Instrument :
BNA_P
Client Sampled :
TP-4DL

Tot Ion:	228	Resp:	739601
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.4	36.6
229	23.6	15.8	23.6

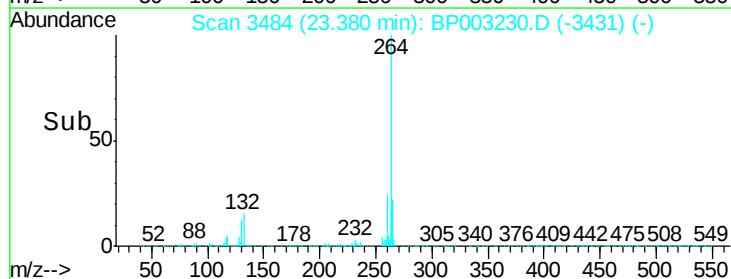
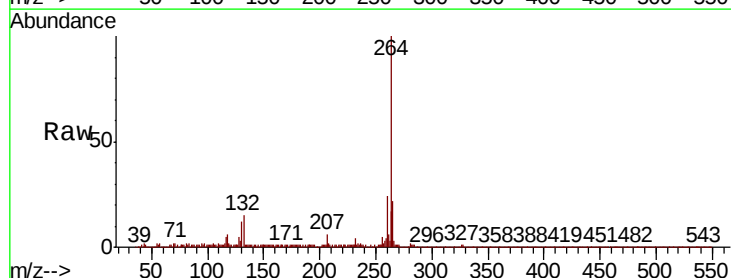
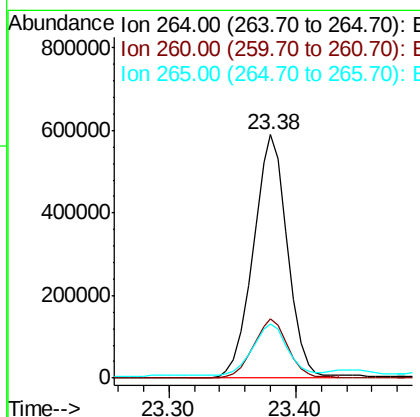
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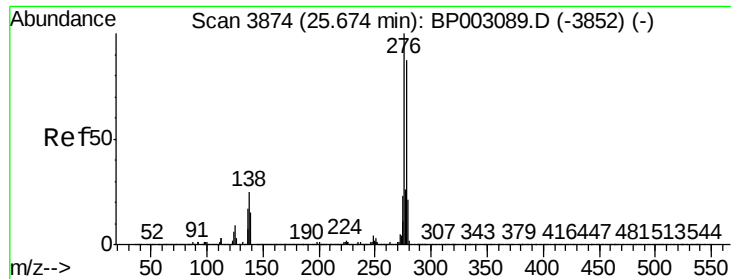
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Tgt Ion:	264	Resp:	1085572
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.8	28.2
265	22.4	17.4	26.2





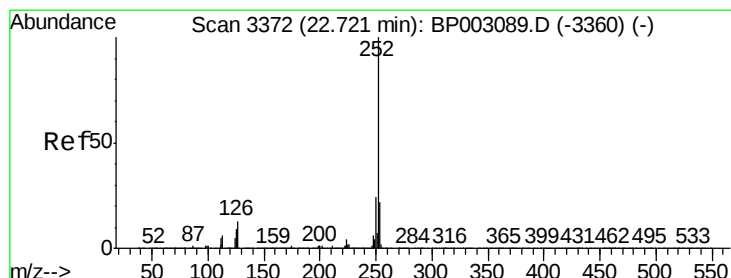
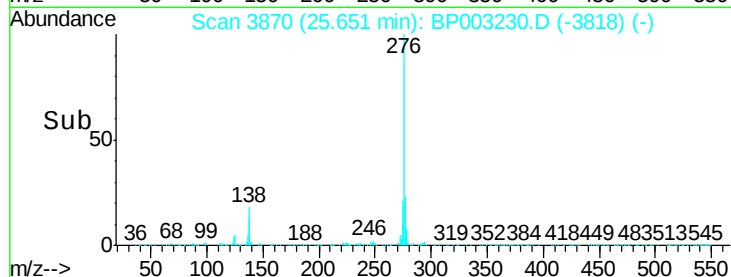
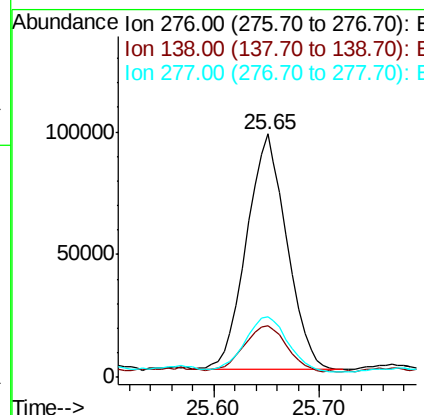
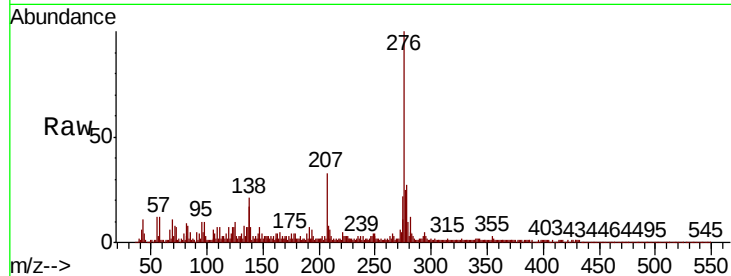
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.151 ng
 RT: 25.65 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Instrument :
 BNA_P
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	18.7	28.1
277	25.4	20.4	30.6

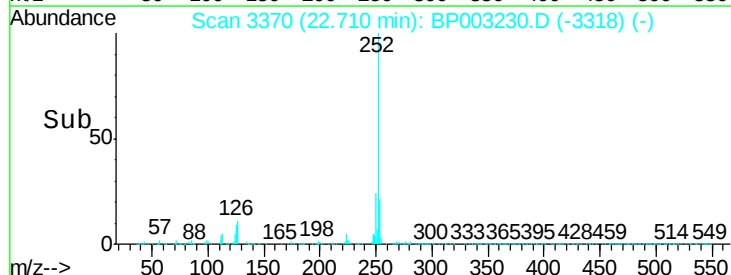
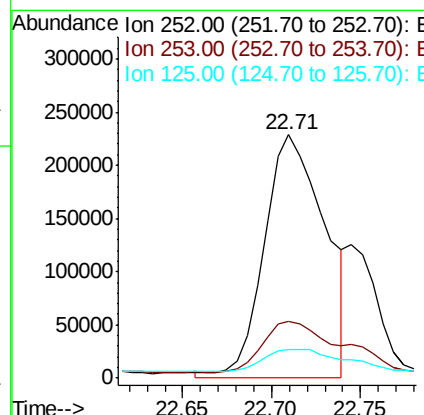
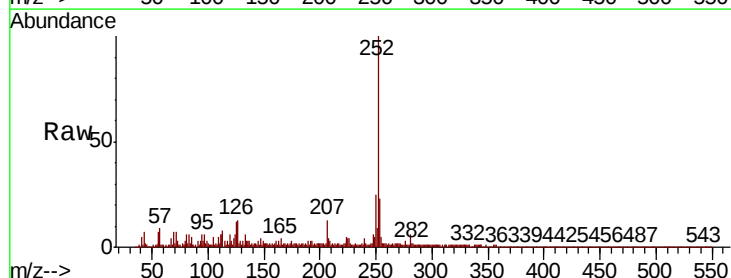
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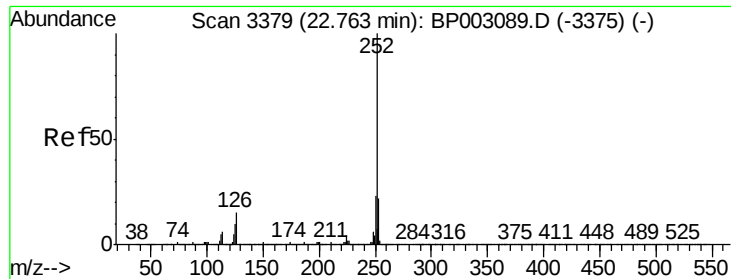
Sohil
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#88
 Benzo(b)fluoranthene
 Concen: 8.082 ng m
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	12.0	7.3	10.9





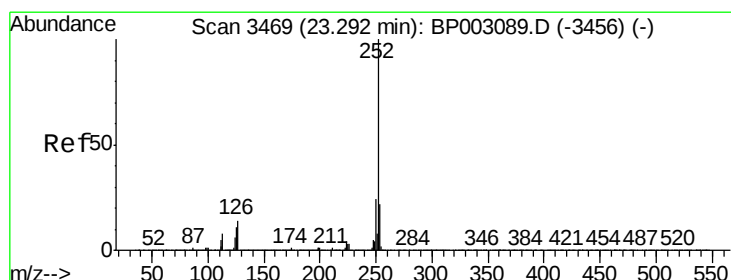
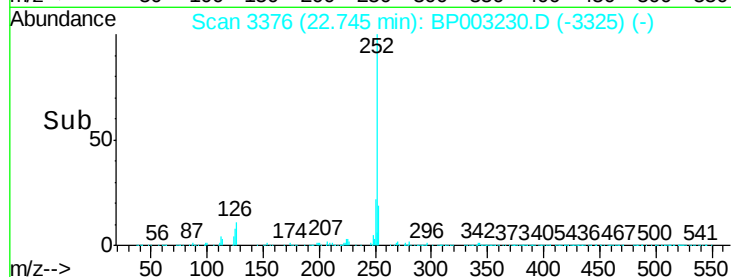
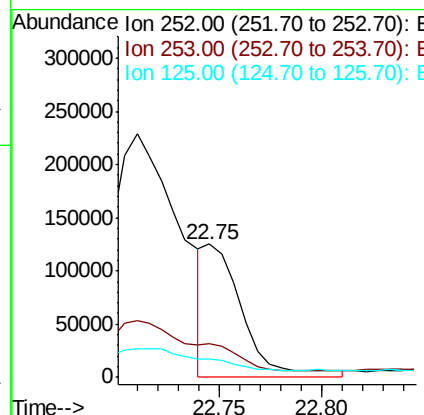
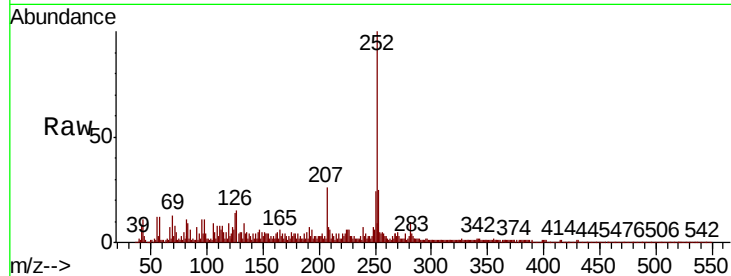
#89
Benzo(k)fluoranthene
Concen: 2.517 ng m
RT: 22.75 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	13.6	7.4	11.2

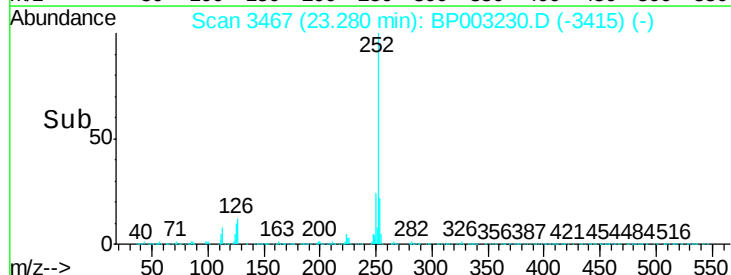
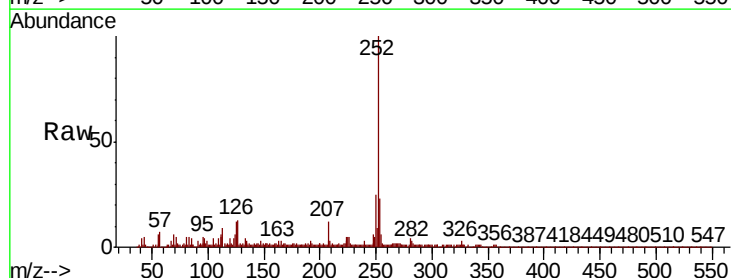
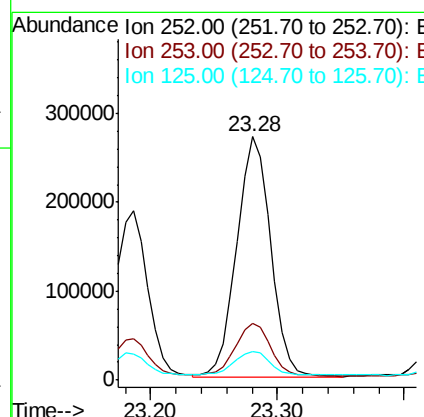
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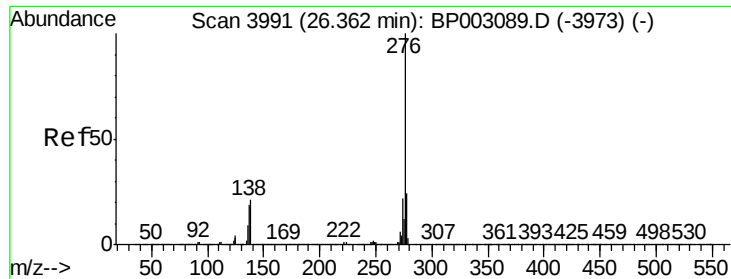
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#90
Benzo(a)pyrene
Concen: 7.966 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003230.D
Acq: 08 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.9	8.2	12.4





#92
 Benzo(a,h,i)perylene
 Concen: 4.406 ng
 RT: 26.34 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: BP003230.D
 Acq: 08 Sep 2020 16:56

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.6
138	21.6	16.6	24.8

Manual Integrations
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