

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000279.D
 Acq On : 17 Sep 2019 17:49
 Operator : HP/JU
 Sample : K4918-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-7

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:46:26 PM

Quant Time: Oct 05 02:10:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	304167	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1034501	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	436779	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	507523	20.00	ng	0.02
76) Chrysene-d12	14.04	240	454739	20.00	ng	0.04
87) Perylene-d12	15.52	264	584196	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1363393	77.38	ng	0.02
7) Phenol-d6	6.43	99	1935413	89.61	ng	0.01
23) Nitrobenzene-d5	7.35	82	704180	43.92	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	350023	80.79	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1832072	75.49	ng	0.00
79) Terphenyl-d14	12.97	244	1133964	52.31	ng	0.04
Target Compounds						
31) Naphthalene	8.09	128	139910	2.920	ng	98
49) Acenaphthylene	9.69	152	465302	12.212	ng	98
50) Dimethylphthalate	9.55	163	238807	8.025	ng	96
52) Acenaphthene	9.87	154	58516	2.434	ng	96
58) Fluorene	10.39	166	93941	3.578	ng	87
71) Phenanthrene	11.37	178	1256615	49.408	ng	96
72) Anthracene	11.42	178	498891m	19.057	ng	
73) Carbazole	11.57	167	134985	5.726	ng	# 72
75) Fluoranthene	12.60	202	2240631	82.045	ng	91
78) Pyrene	12.83	202	2085655	61.303	ng	97
81) Benzo(a)anthracene	14.03	228	1552679	54.054	ng	92
83) Chrysene	14.06	228	1488234m	52.768	ng	
86) Indeno(1,2,3-cd)pyrene	17.00	276	876591	25.499	ng	# 92
88) Benzo(b)fluoranthene	15.09	252	2183545m	62.654	ng	
89) Benzo(k)fluoranthene	15.11	252	637510m	20.970	ng	
90) Benzo(a)pyrene	15.46	252	1488359	46.934	ng	96
91) Dibenzo(a,h)anthracene	17.00	278	248300m	8.398	ng	
92) Benzo(g,h,i)perylene	17.45	276	702672	23.122	ng	97

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

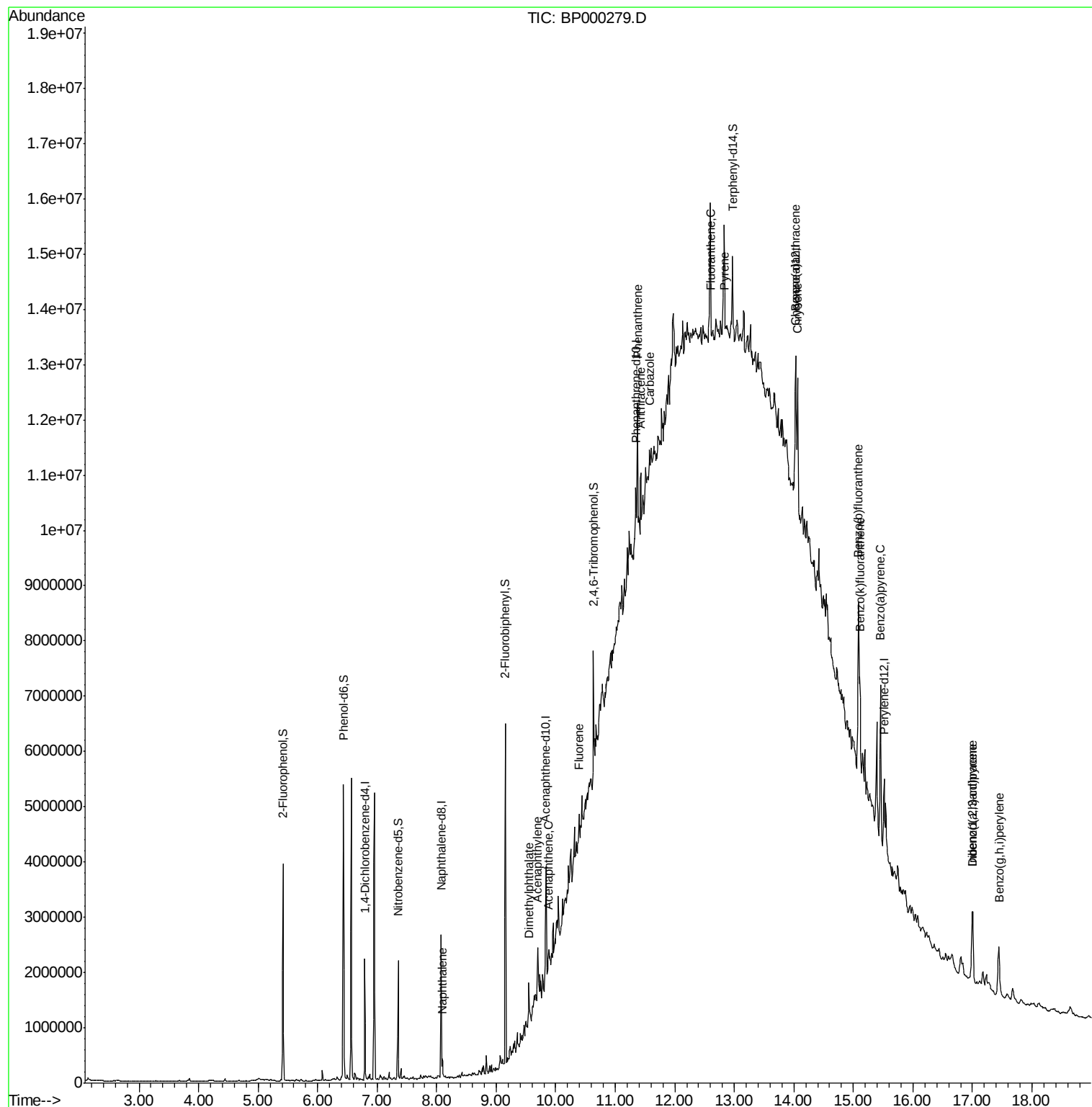
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000279.D
Acq On : 17 Sep 2019 17:49
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ALS Vial : 19 Sample Multiplier: 1

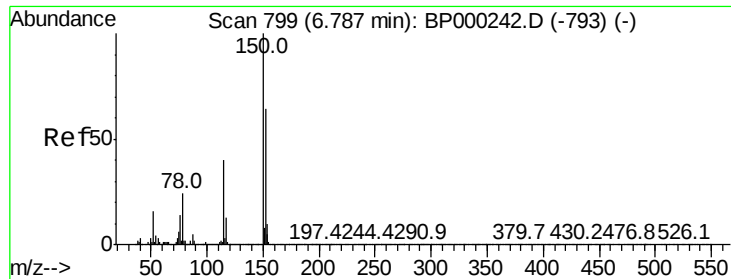
Instrument :
BNA_P
ClientSampled :
SB-7

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

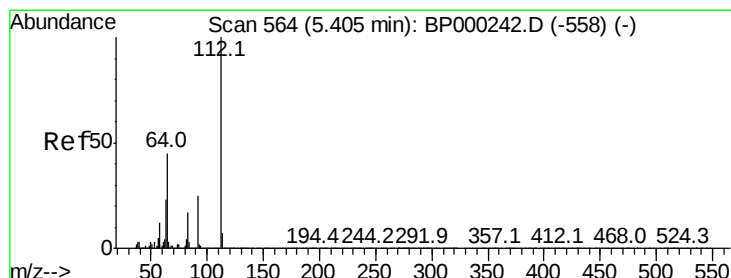
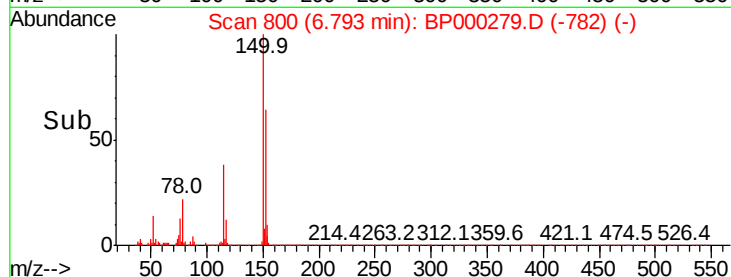
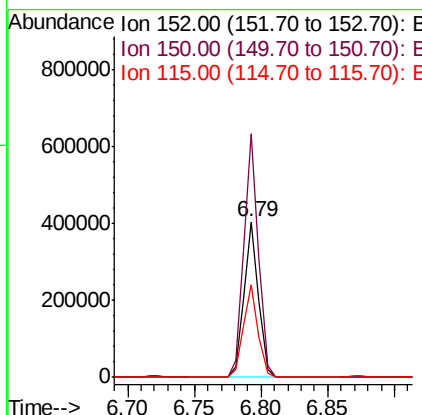
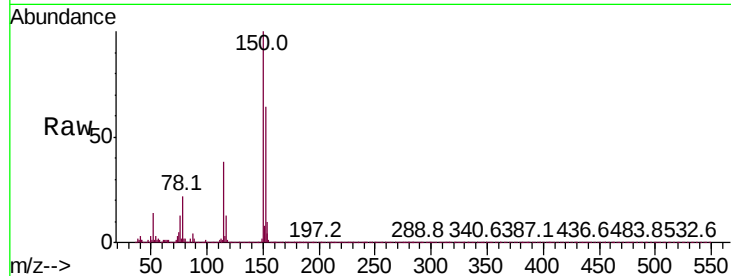
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampleId :
SB-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.2	187.8
115	59.9	49.7	74.5

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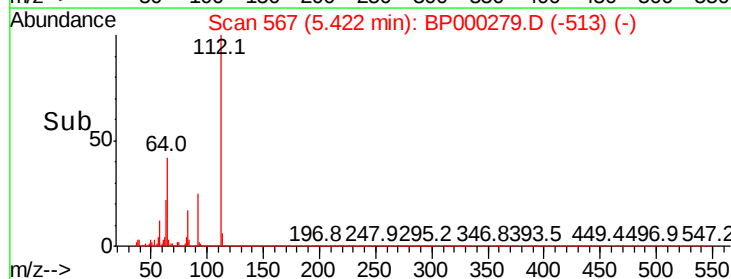
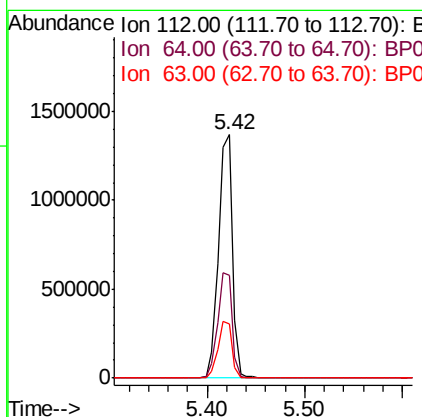
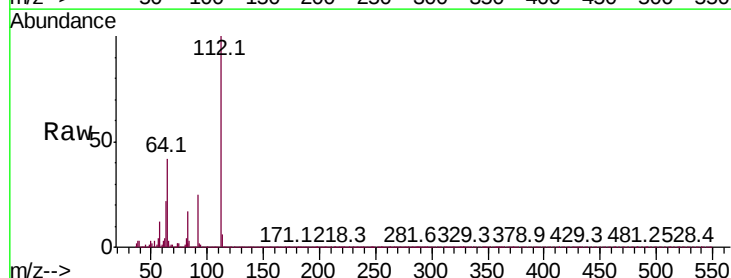
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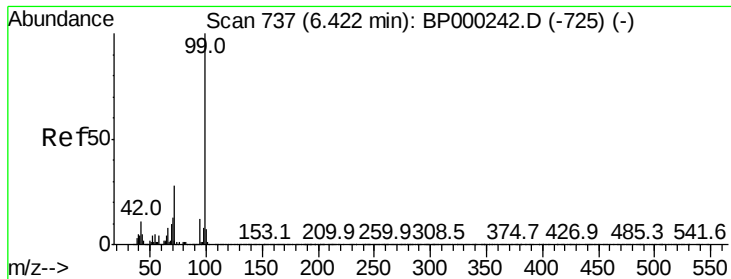


#5

2-Fluorophenol
Concen: 77.382 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.0	36.2	54.4
63	22.4	18.3	27.5





#7

Phenol-d6

Concen: 89.614 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Instrument :

BNA_P

ClientSampled :

SB-7

Tot Ion: 99 Resp: 1935413

Ion Ratio Lower Upper

99 100

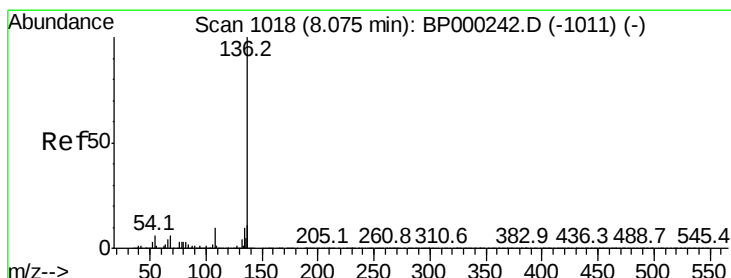
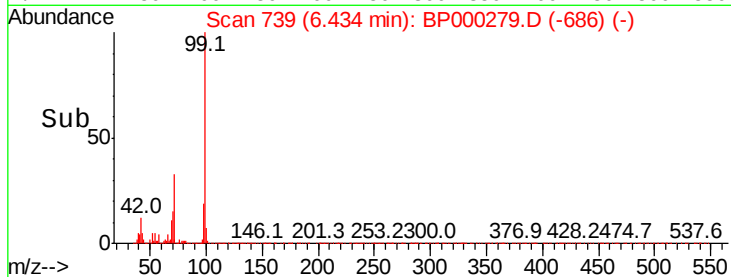
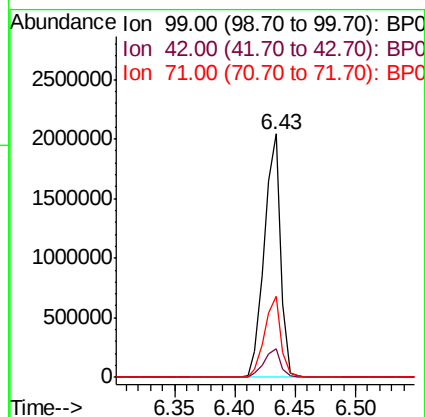
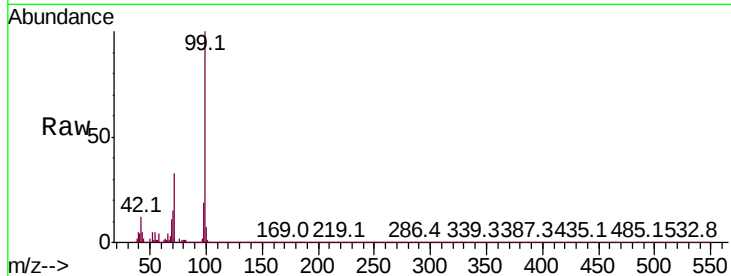
42 11.8 8.5 12.7

71 33.1 22.6 34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Tgt Ion: 136 Resp: 1034501

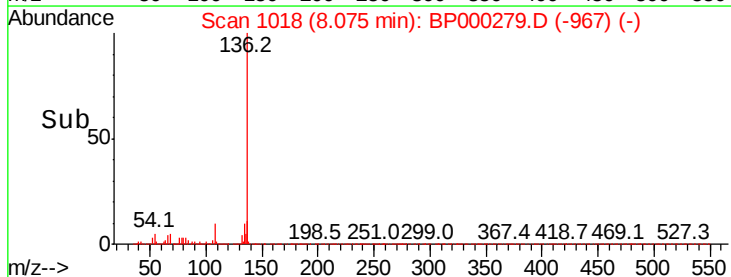
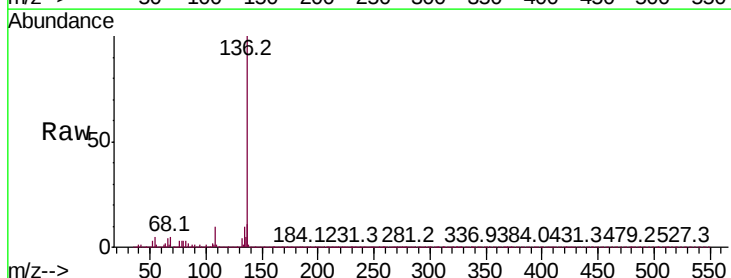
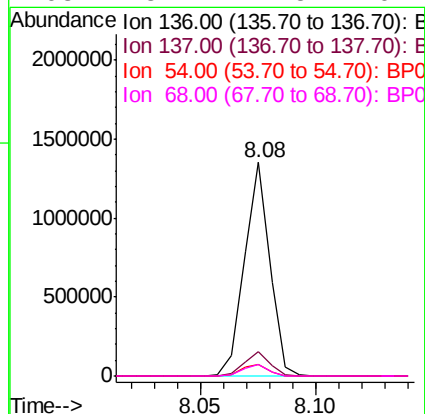
Ion Ratio Lower Upper

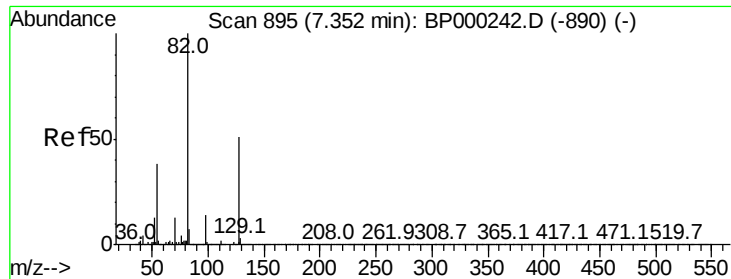
136 100

137 11.2 8.6 13.0

54 5.3 4.5 6.7

68 5.4 4.5 6.7





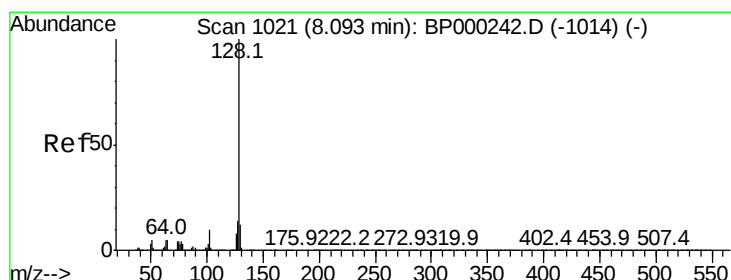
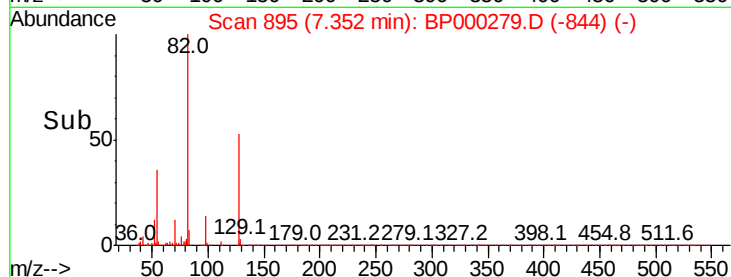
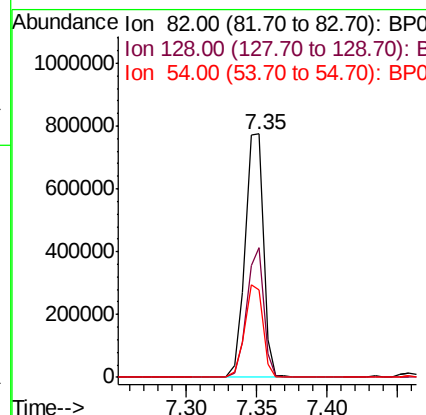
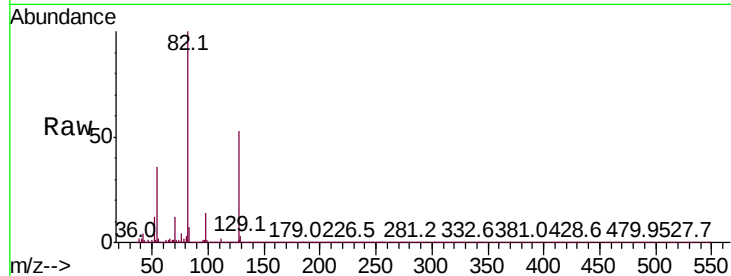
#23
Nitrobenzene-d5
Concen: 43.918 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampled :
SB-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	53.0	40.7	61.1
54	36.2	30.1	45.1

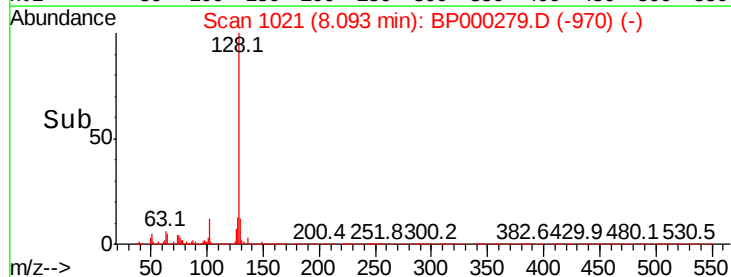
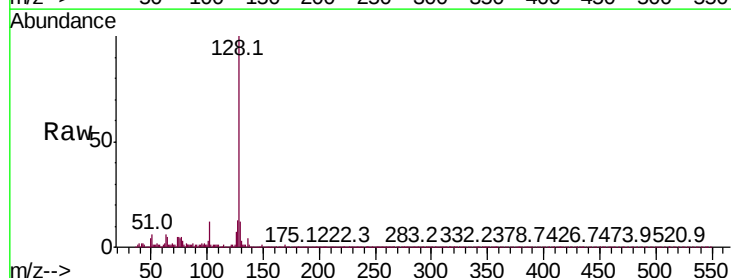
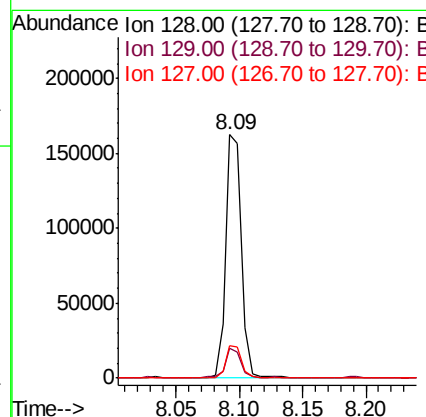
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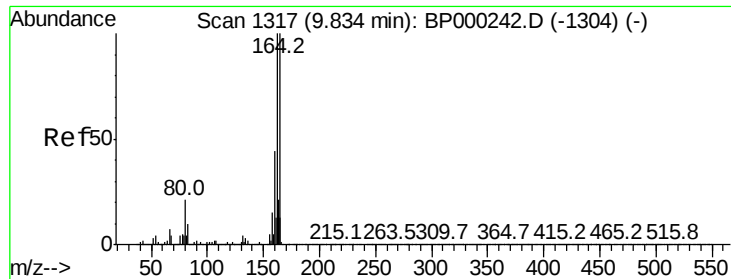
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#31
Naphthalene
Concen: 2.920 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.2	13.8
127	13.1	11.0	16.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000279.D

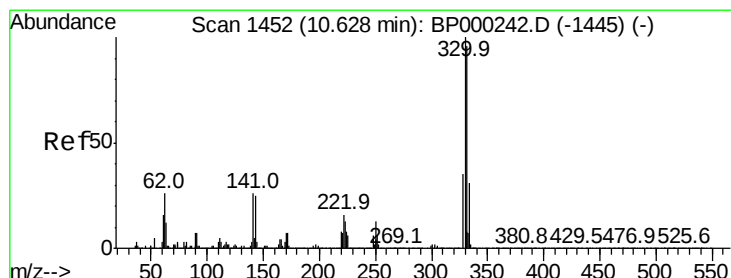
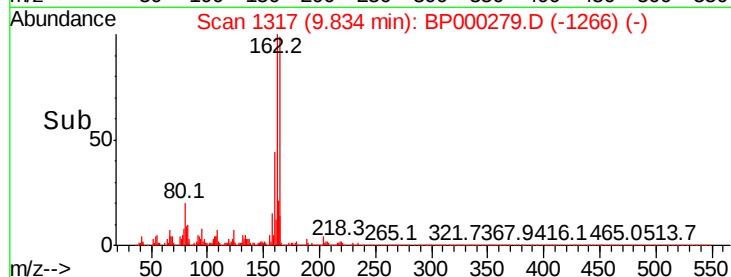
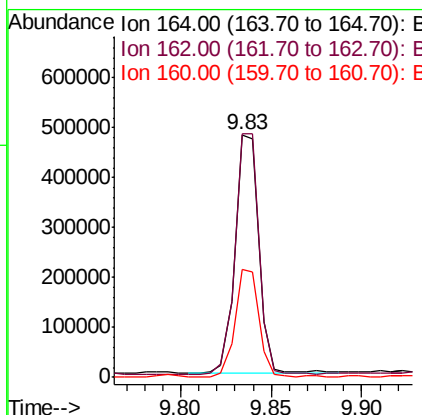
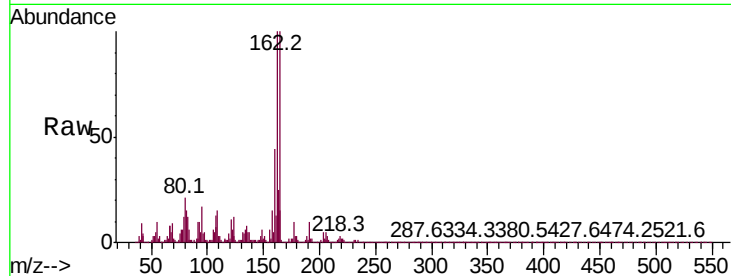
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampled :
SB-7

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.9	119.9
160	44.2	35.6	53.4

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#42

2,4,6-Tribromophenol

Concen: 80.795 ng

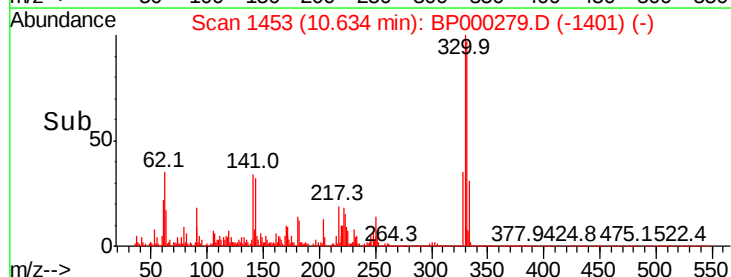
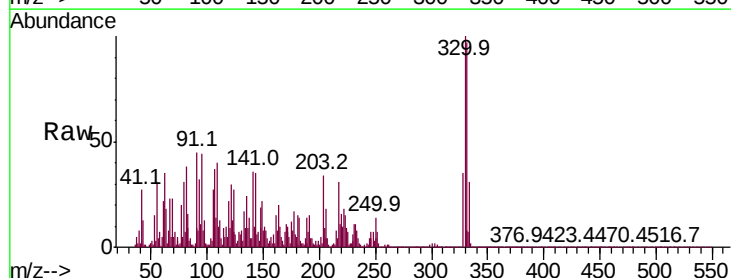
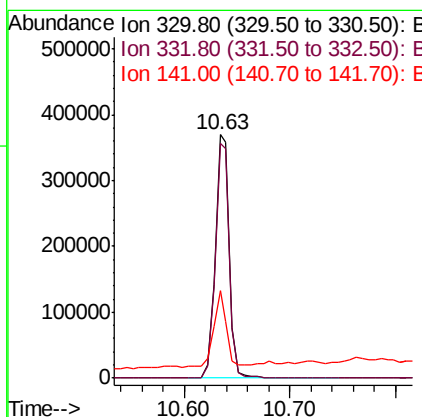
RT: 10.63 min Scan# 1453

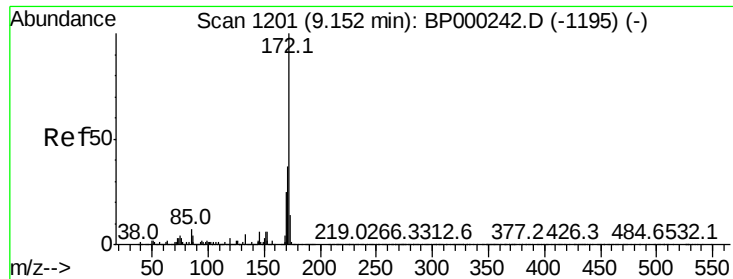
Delta R.T. 0.01 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	28.0	26.5	39.7





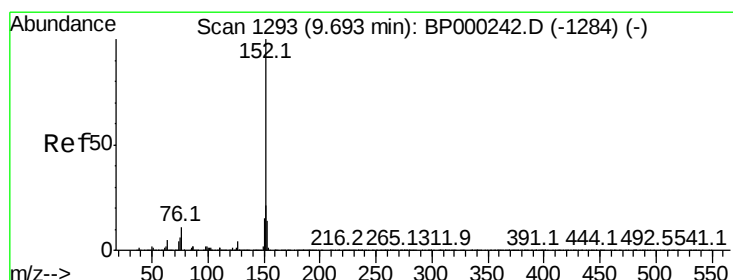
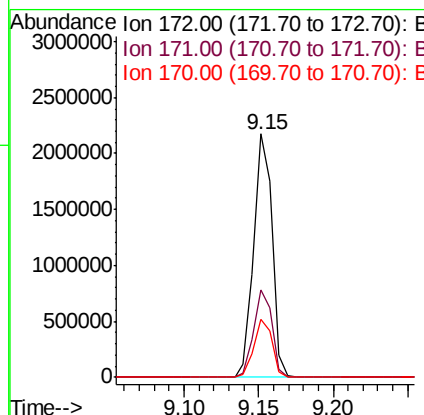
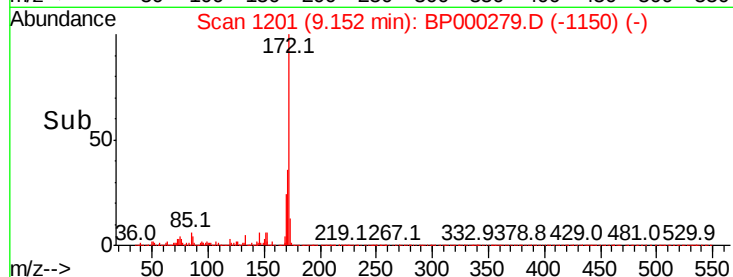
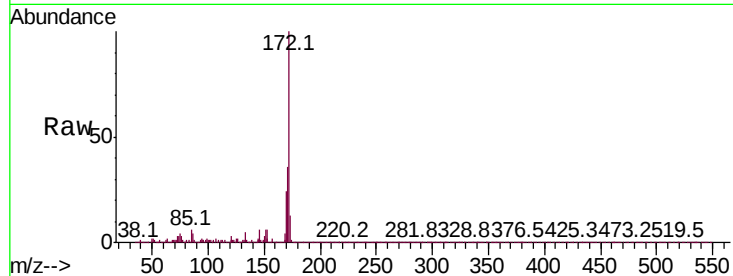
#45
2-Fluorobiphenyl
Concen: 75.493 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampleId :
SB-7

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	23.9	19.8	29.6

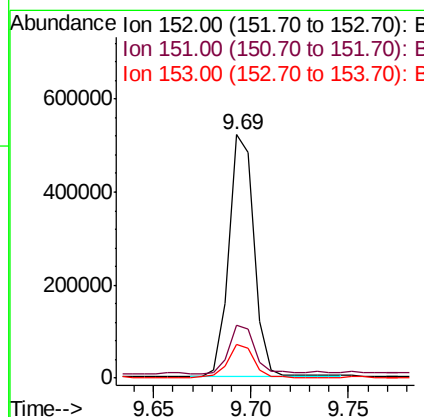
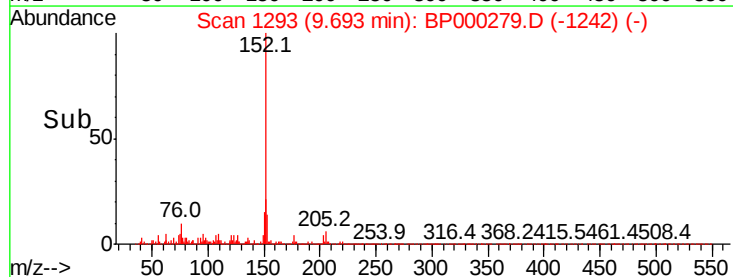
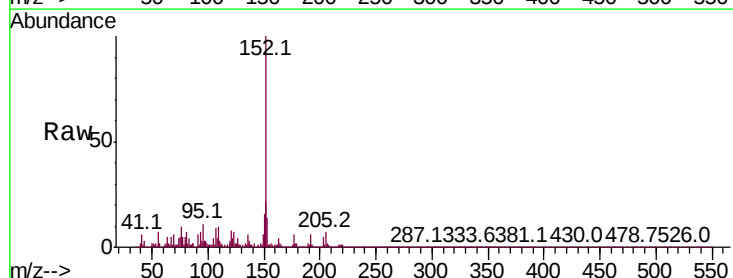
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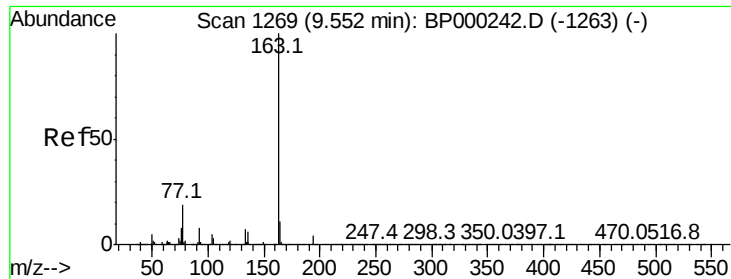
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#49
Acenaphthylene
Concen: 12.212 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.4	24.6
153	14.0	11.0	16.4





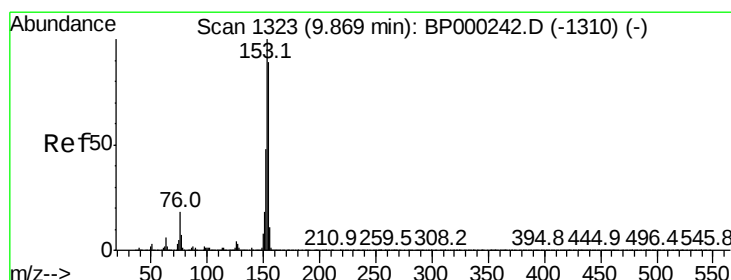
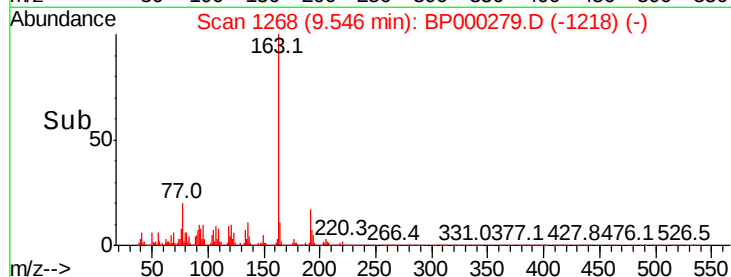
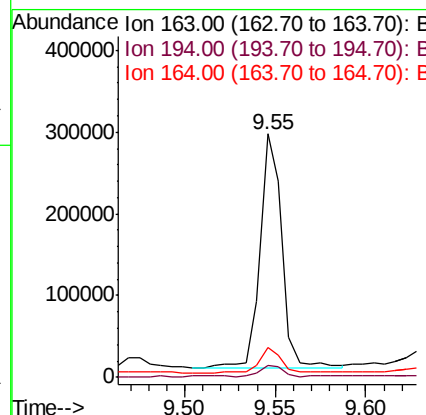
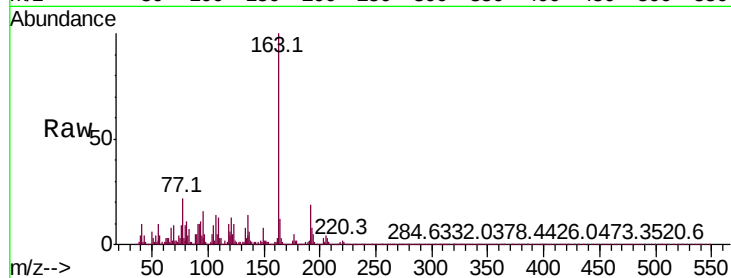
#50
Dimethylphthalate
Concen: 8.025 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
Client Sampled :
SB-7

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	5.0	3.4	5.0
164	12.1	8.5	12.7

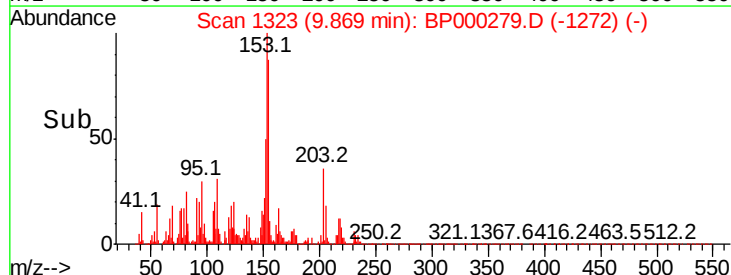
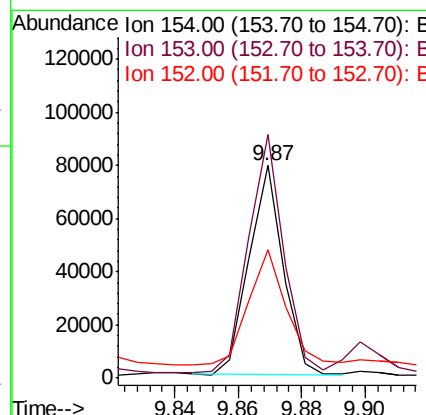
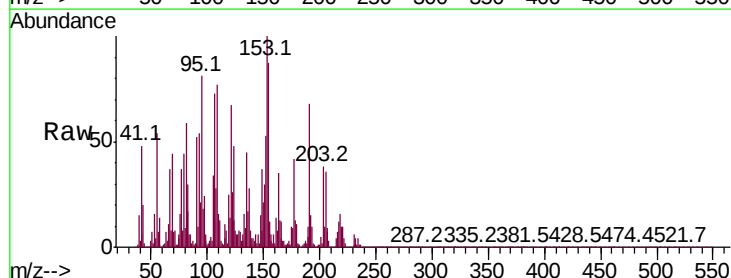
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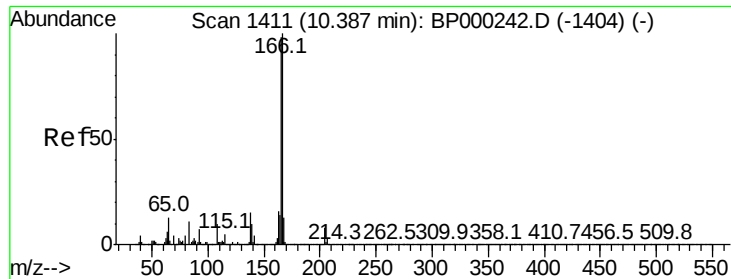
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#52
Acenaphthene
Concen: 2.434 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	114.6	89.8	134.6
152	60.2	43.4	65.0





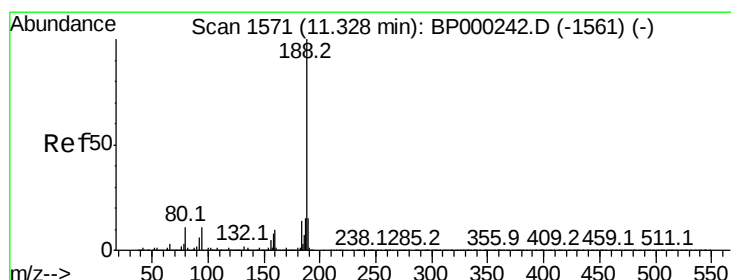
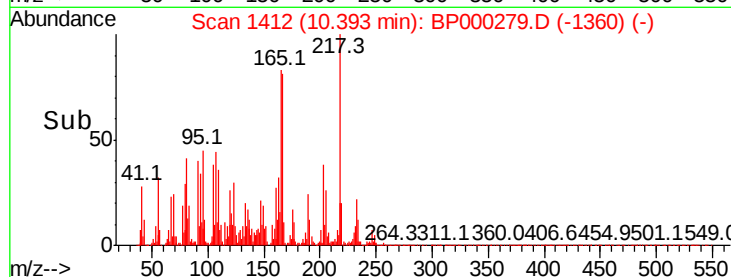
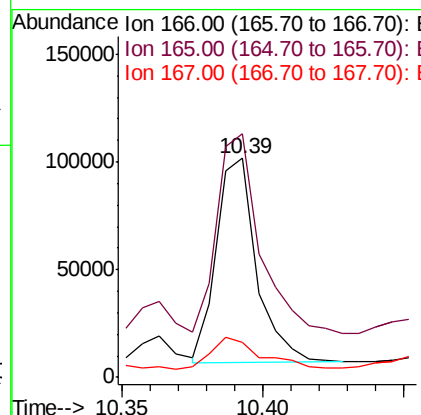
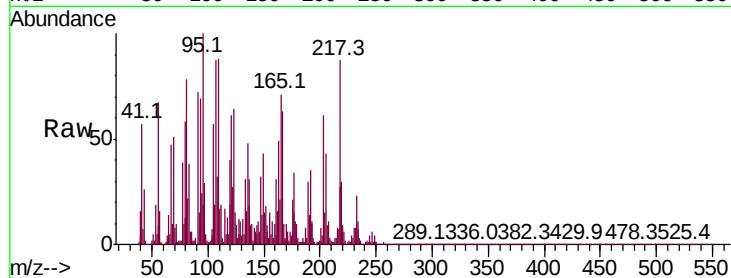
#58
 Fluorene
 Concen: 3.578 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: BP000279.D
 Acq: 17 Sep 2019 17:49

Instrument :
 BNA_P
 ClientSampled :
 SB-7

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.3	78.2	117.2
167	16.0	10.7	16.1

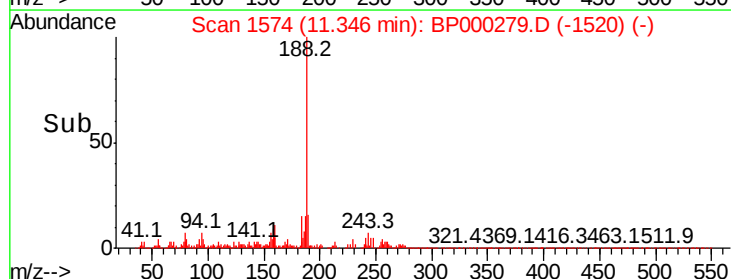
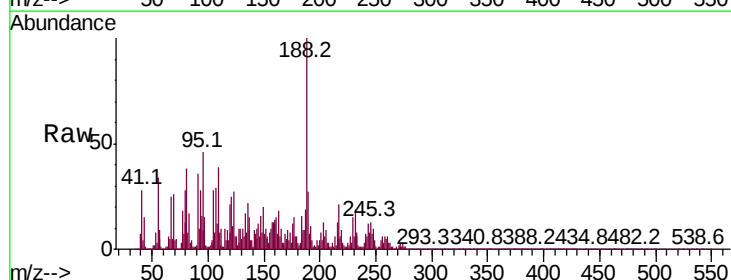
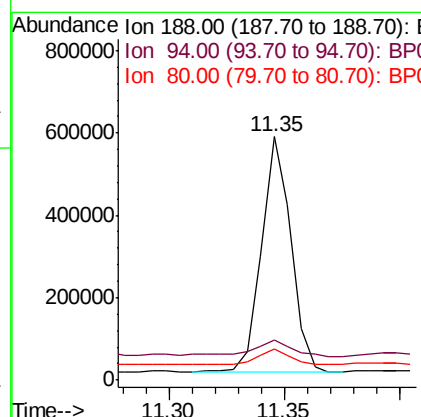
Manual Integrations
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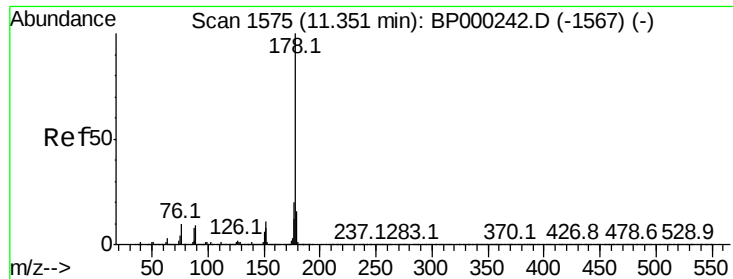
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: BP000279.D
 Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	16.2	8.5	12.7#
80	12.6	8.6	13.0





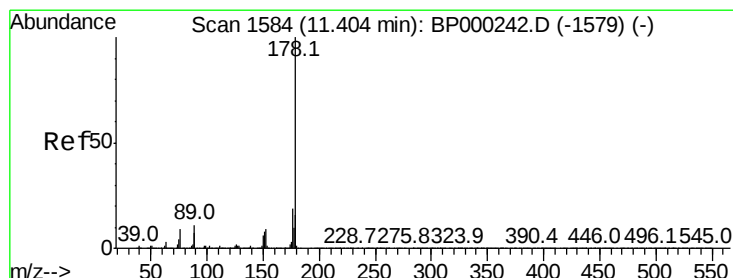
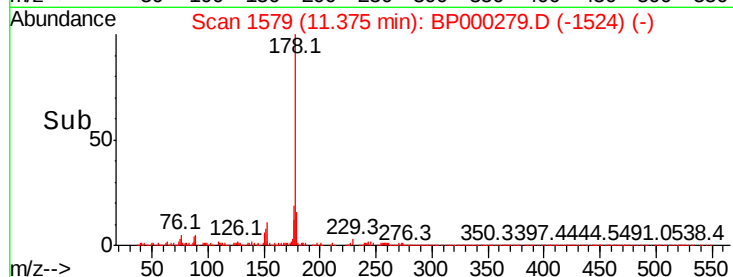
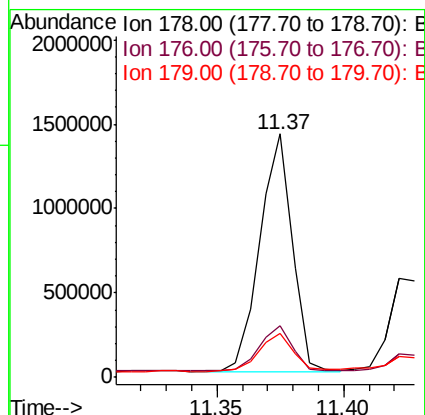
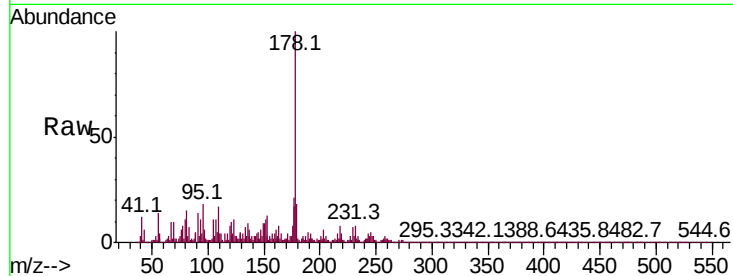
#71
Phenanthrene
Concen: 49.408 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.02 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampled :
SB-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.8
179	18.0	12.7	19.1

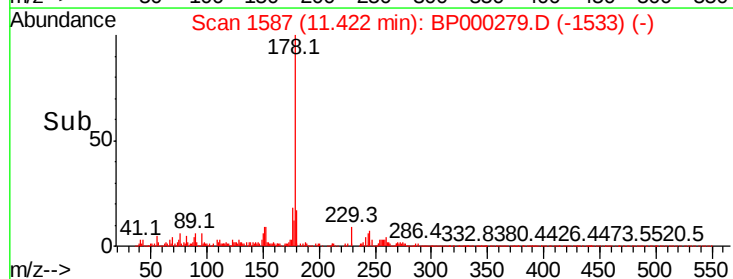
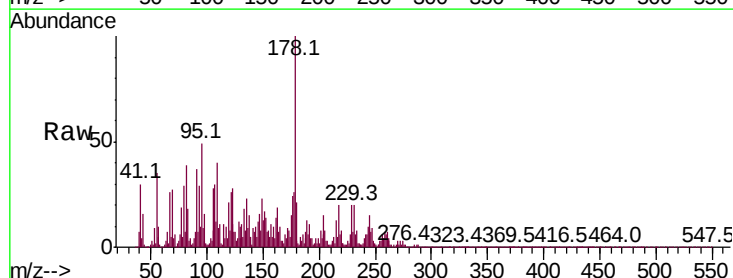
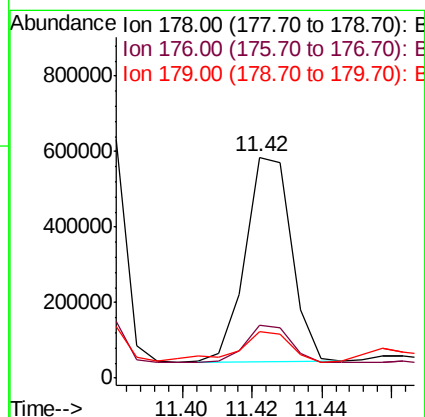
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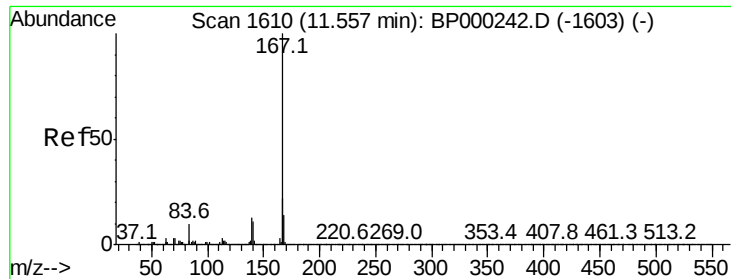
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#72
Anthracene
Concen: 19.057 ng m
RT: 11.42 min Scan# 1587
Delta R.T. 0.02 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.9	15.4	23.0#
179	21.2	12.7	19.1#





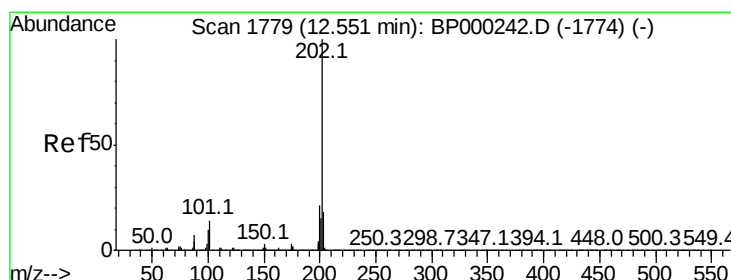
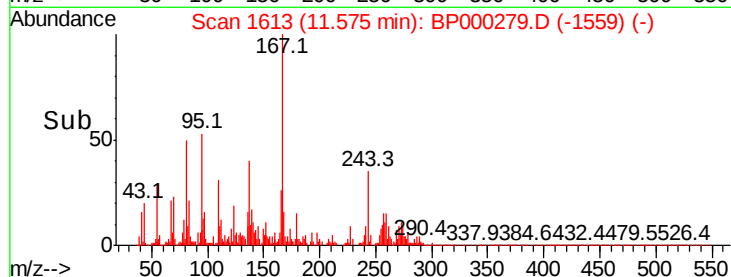
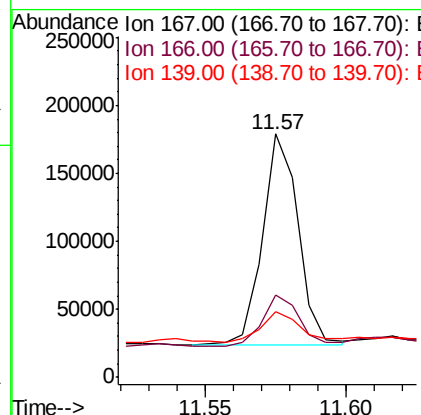
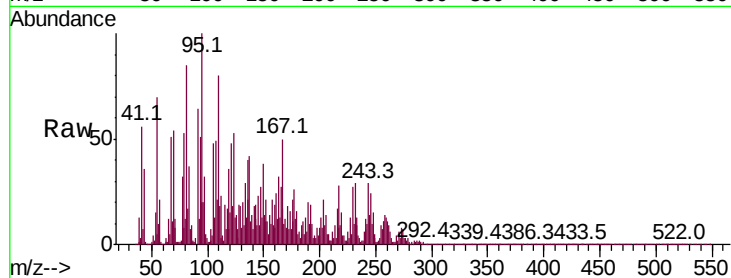
#73
 Carbazole
 Concen: 5.726 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.02 min
 Lab File: BP000279.D
 Acq: 17 Sep 2019 17:49

Instrument :
 BNA_P
 ClientSampleId :
 SB-7

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	33.7	17.8	26.8#
139	27.1	10.8	16.2#

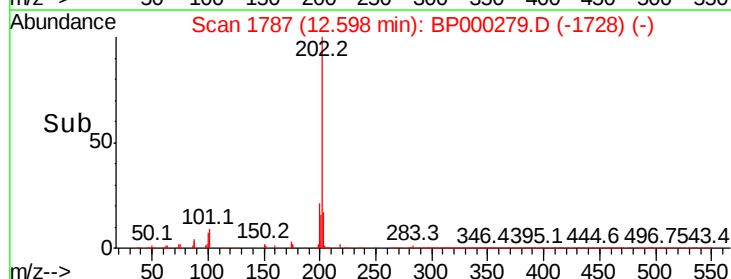
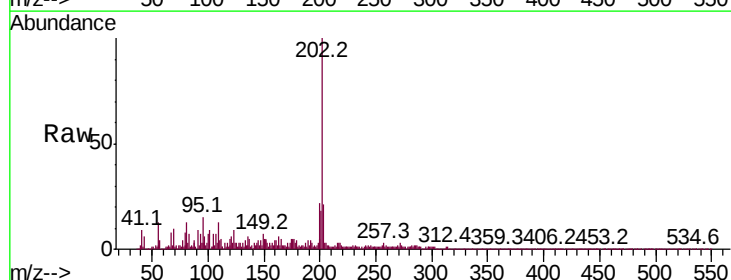
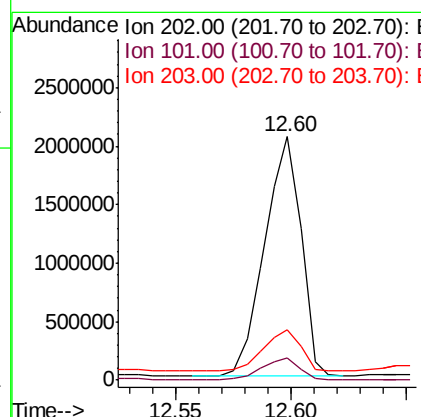
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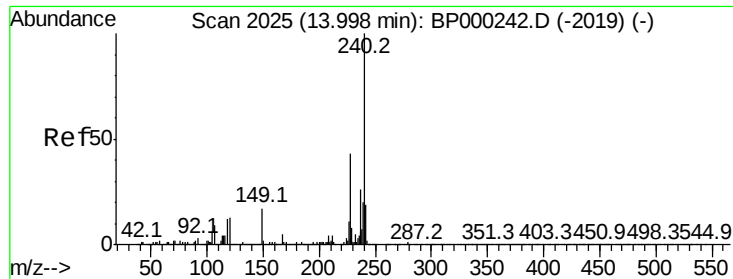
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#75
 Fluoranthene
 Concen: 82.045 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.05 min
 Lab File: BP000279.D
 Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	0.0	33.9
203	20.5	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.04 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Instrument :

BNA_P

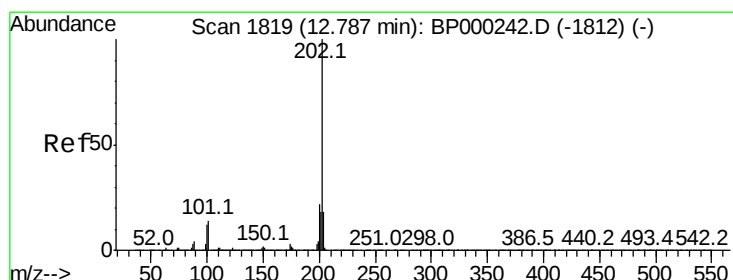
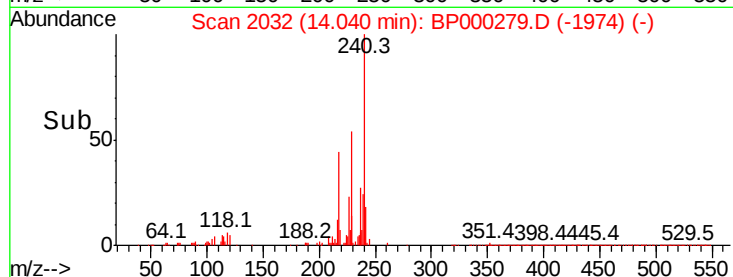
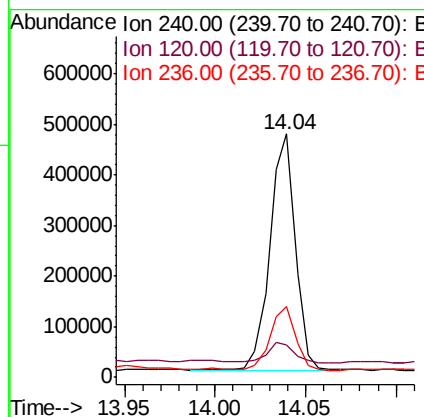
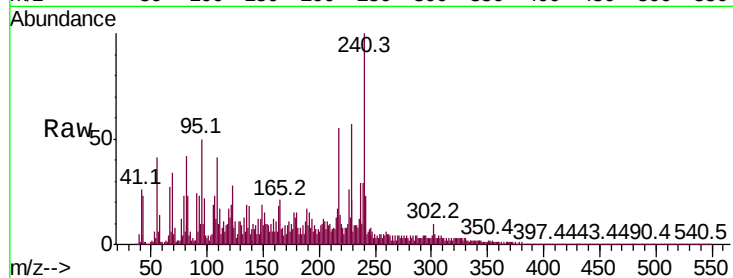
ClientSampleId :

SB-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.4	15.6
236	29.0	21.0	31.6

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#78

Pyrene

Concen: 61.303 ng

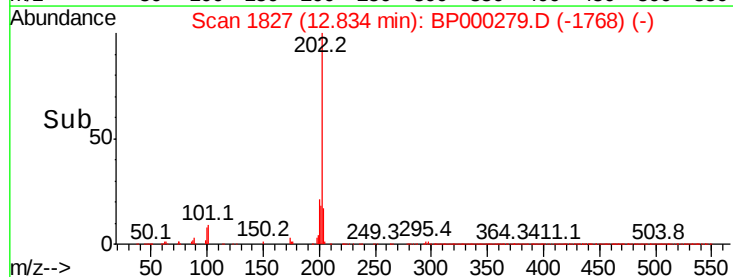
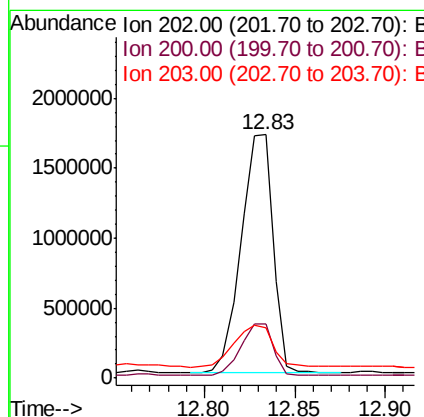
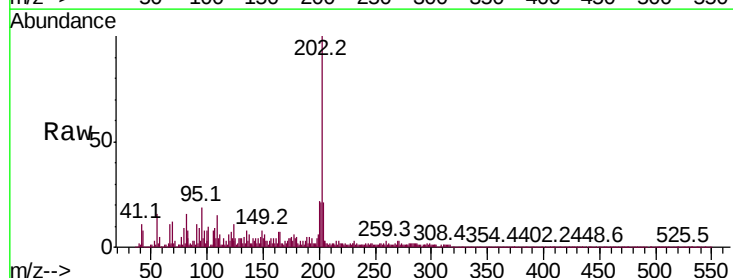
RT: 12.83 min Scan# 1827

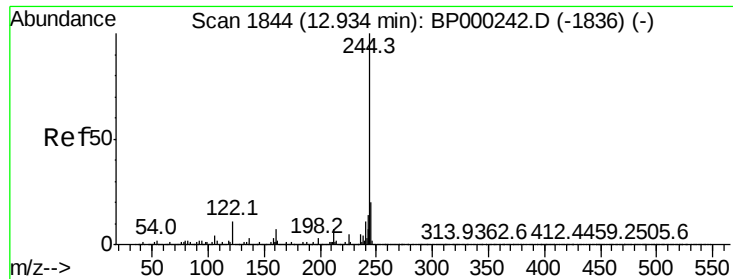
Delta R.T. 0.05 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.5	26.3
203	20.9	14.3	21.5





#79

Terphenyl-d14

Concen: 52.313 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.04 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Instrument :

BNA_P

ClientSampleId :

SB-7

Tot Ion:244 Resp: 1133964

Ion Ratio Lower Upper

244 100

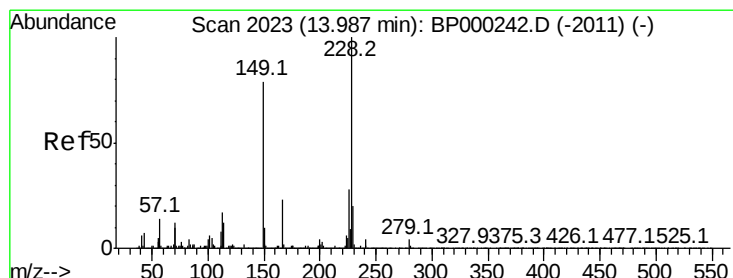
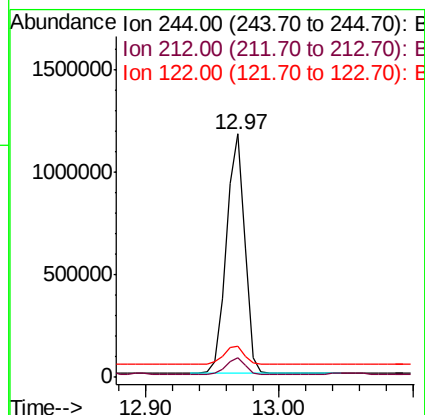
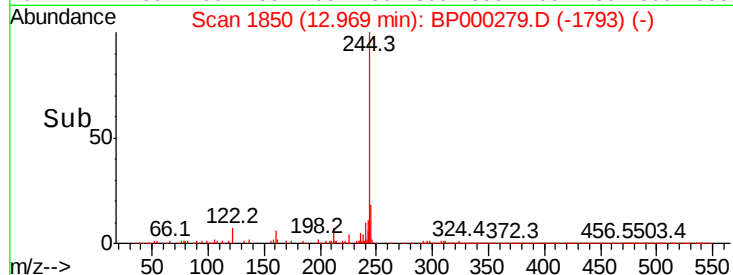
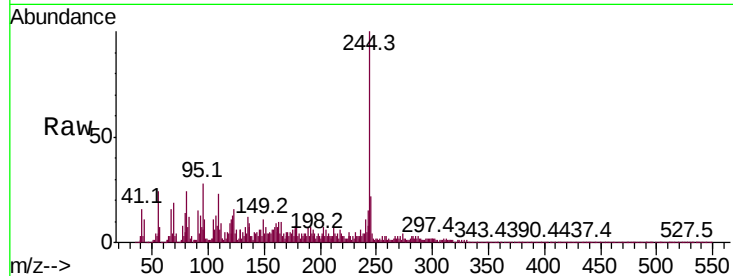
212 8.2 5.9 8.9

122 12.8 9.0 13.4

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#81

Benzo(a)anthracene

Concen: 54.054 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.04 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

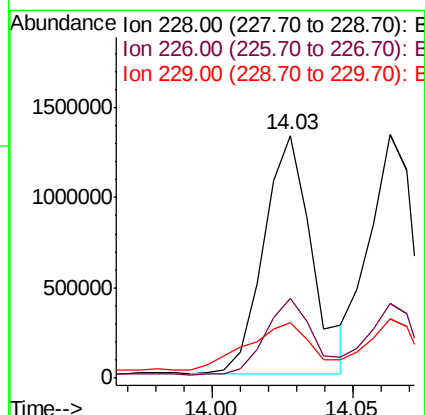
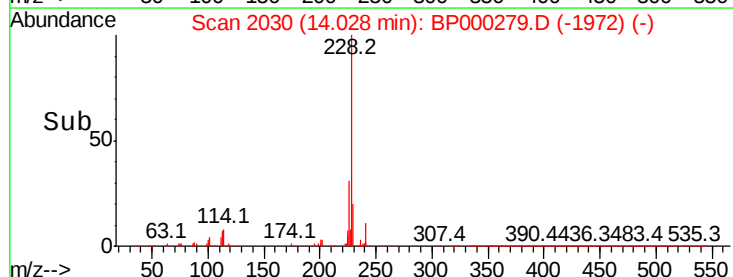
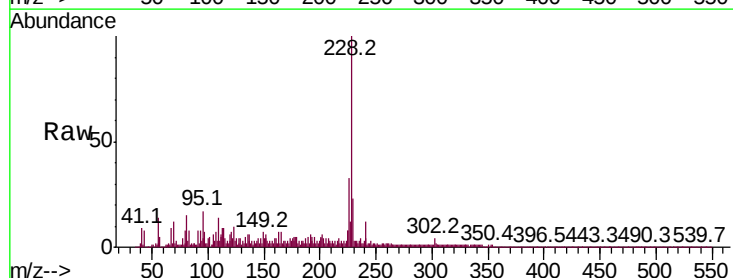
Tgt Ion:228 Resp: 1552679

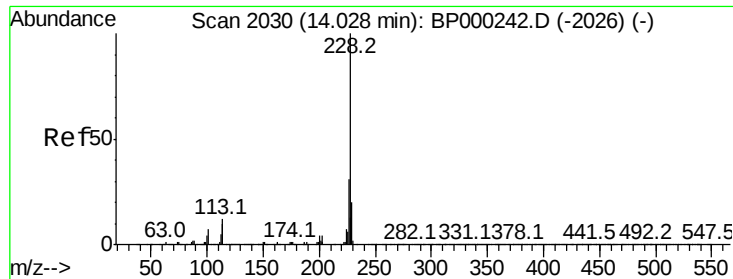
Ion Ratio Lower Upper

228 100

226 32.7 22.2 33.4

229 22.7 16.0 24.0





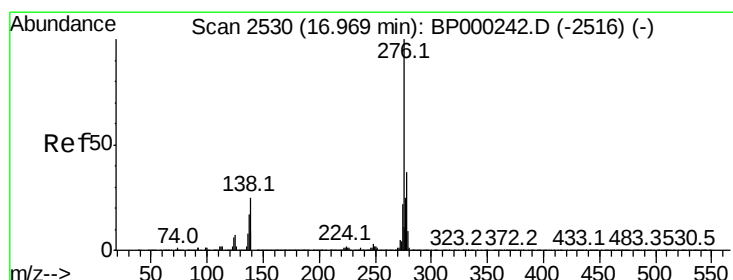
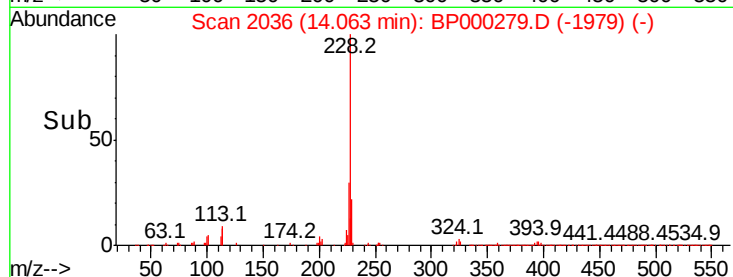
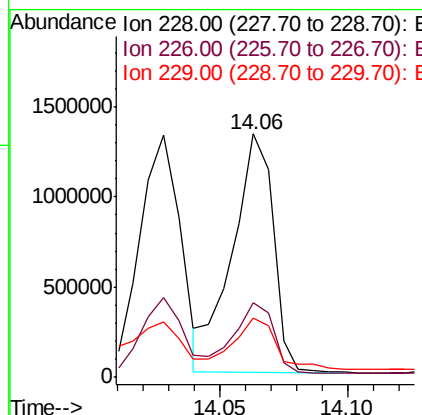
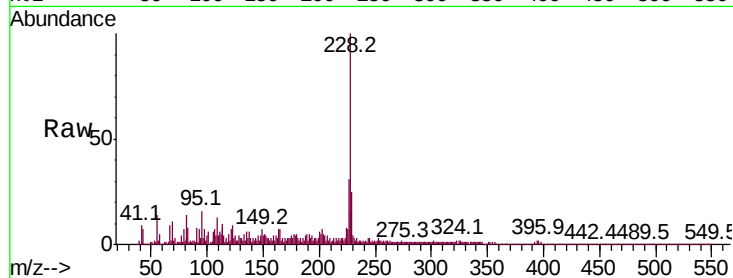
#83
Chrysene
Concen: 52.768 ng/ml
RT: 14.06 min Scan# 2036
Delta R.T. 0.04 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampled :
SB-7

Tot Ion:	228	Resp:	1488234
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	24.6	16.2	24.2

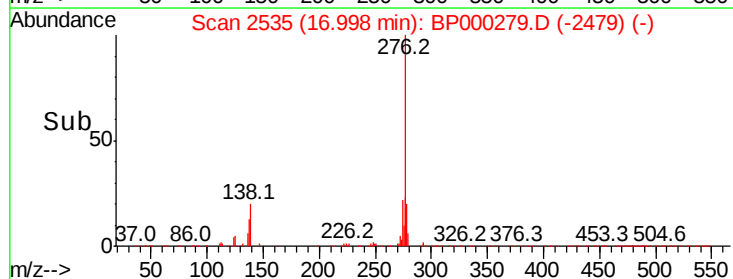
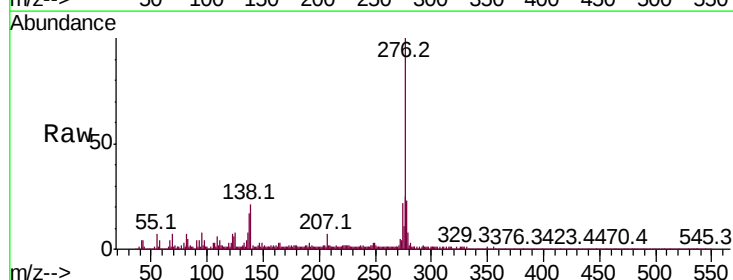
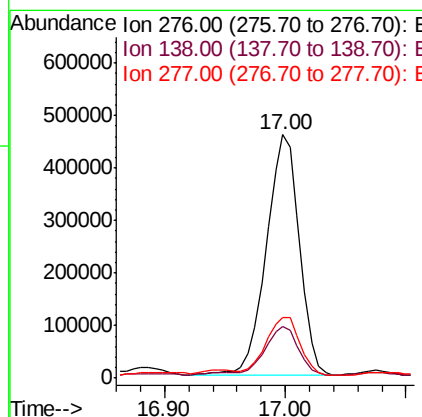
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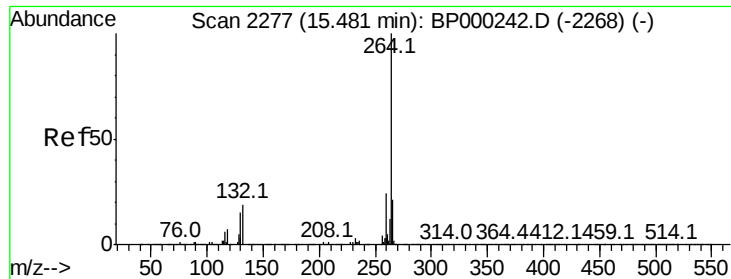
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#86
Indeno(1,2,3-cd)pyrene
Concen: 25.499 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.03 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion:	276	Resp:	876591
Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.6	33.8
277	24.8	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.04 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Instrument :

BNA_P

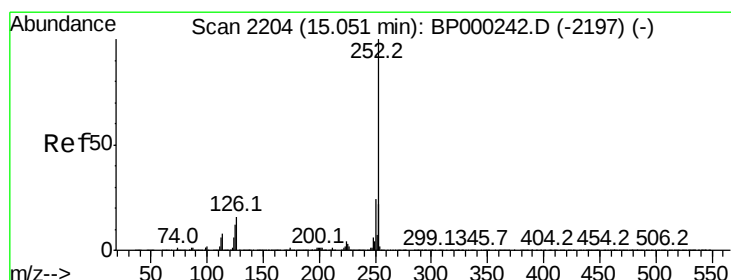
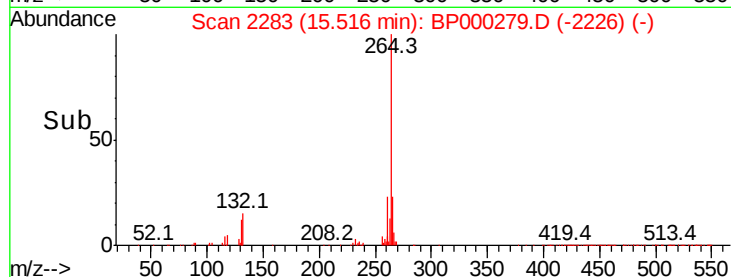
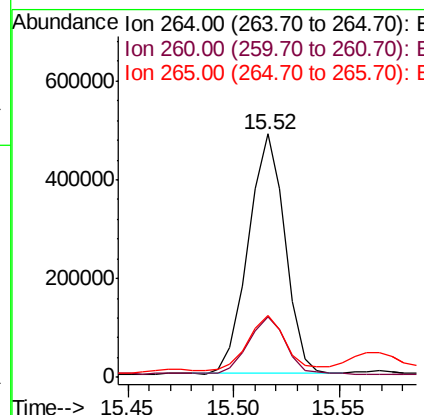
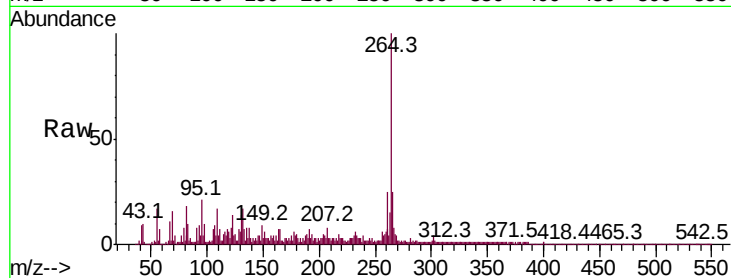
ClientSampled :

SB-7

Tot Ion:	264	Resp:	584196
Ion Ratio	Lower	Upper	
264	100		
260	24.9	18.9	28.3
265	25.4	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 62.654 ng m

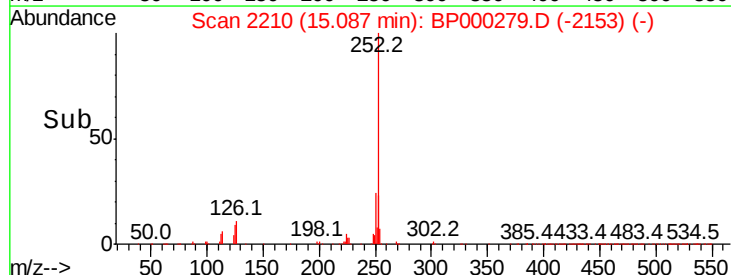
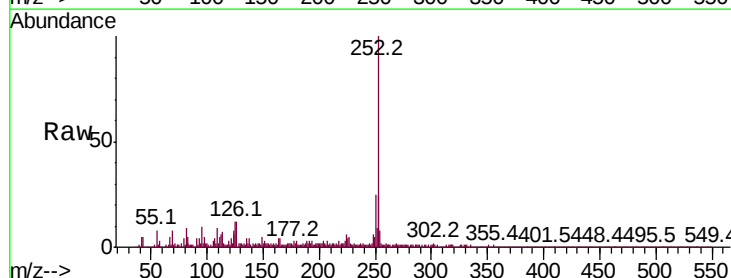
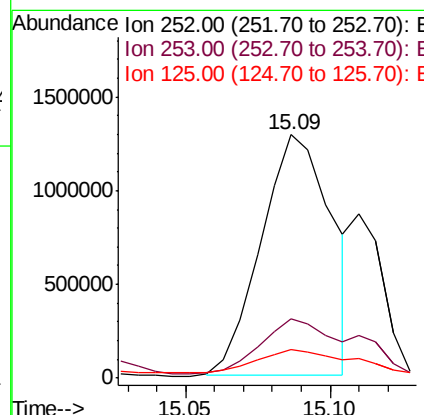
RT: 15.09 min Scan# 2210

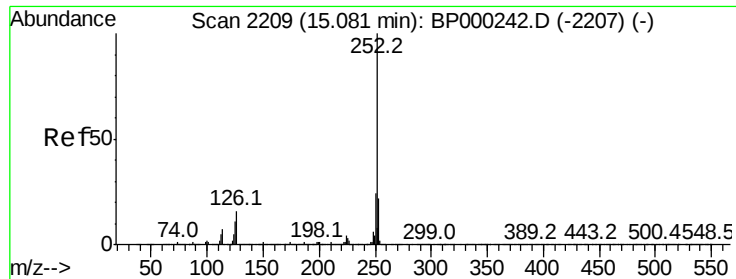
Delta R.T. 0.04 min

Lab File: BP000279.D

Acq: 17 Sep 2019 17:49

Tgt Ion:	252	Resp:	2183545
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	11.5	9.5	14.3





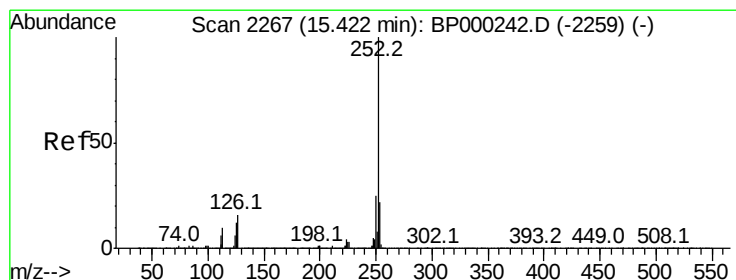
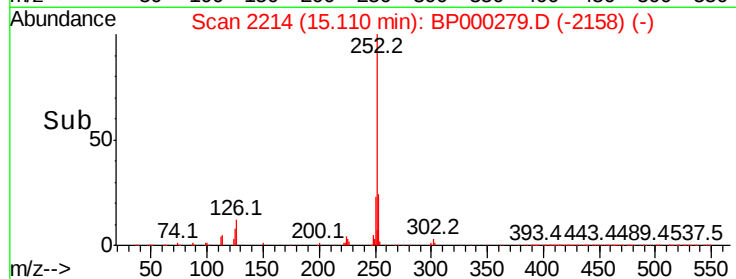
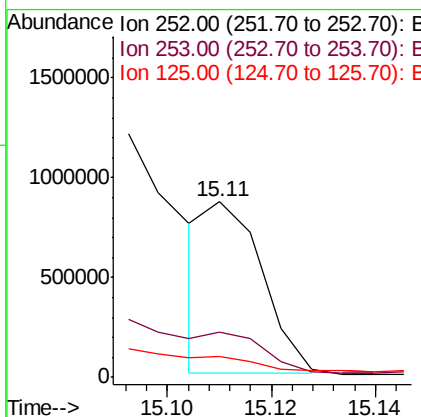
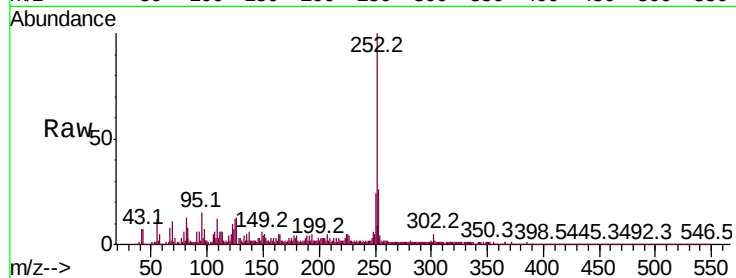
#89
Benzo(k)fluoranthene
Concen: 20.970 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.03 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampleId :
SB-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.8
125	11.9	9.6	14.4

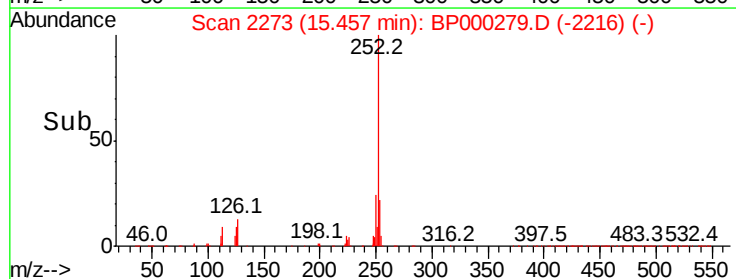
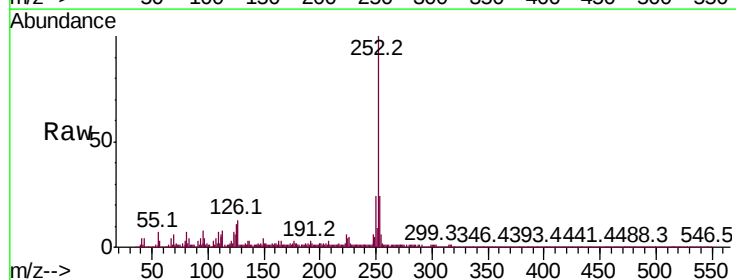
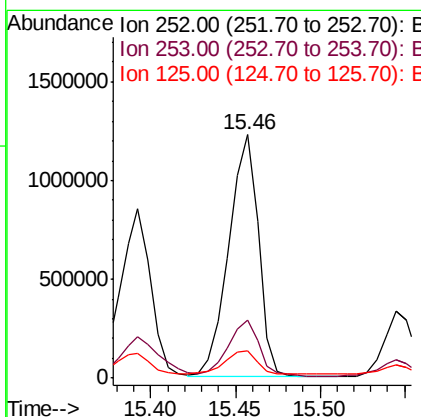
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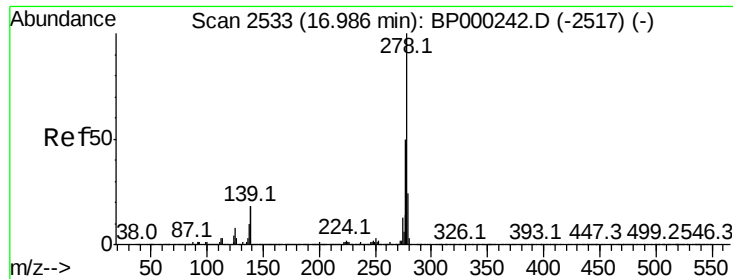
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#90
Benzo(a)pyrene
Concen: 46.934 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.04 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	11.0	10.0	15.0





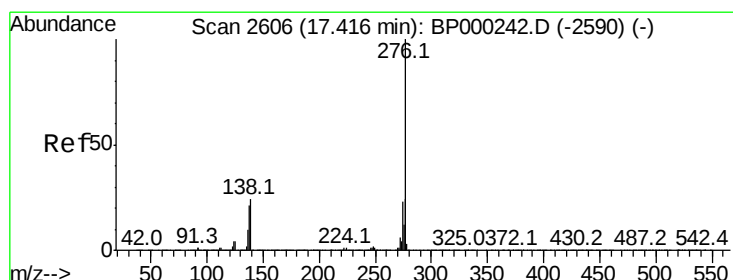
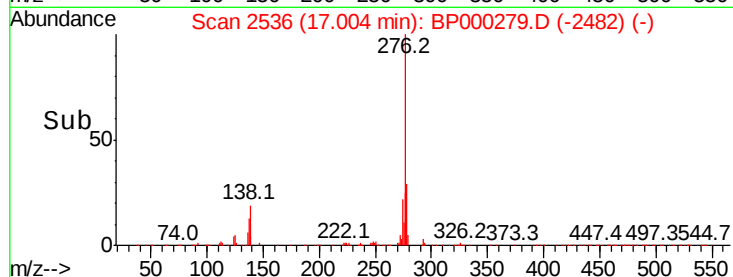
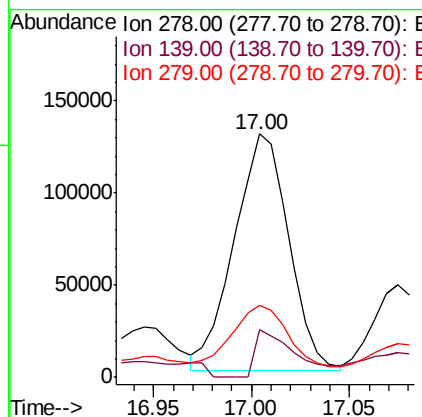
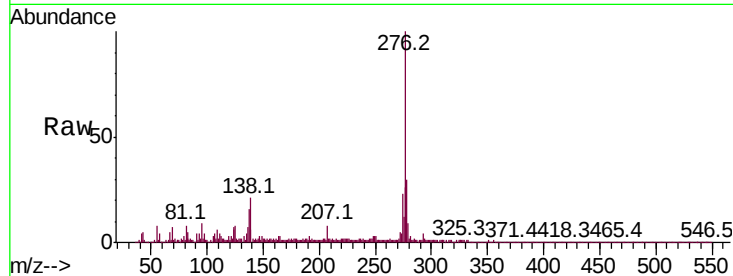
#91
Dibenzo(a,h)anthracene
Concen: 8.398 ng m
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Instrument :
BNA_P
ClientSampleId :
SB-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.5	21.7
279	29.7	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 23.122 ng
RT: 17.45 min Scan# 2611
Delta R.T. 0.03 min
Lab File: BP000279.D
Acq: 17 Sep 2019 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	21.0	19.5	29.3

