

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000312.D
 Acq On : 18 Sep 2019 21:15
 Operator : HP/JU
 Sample : K4918-11DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13DL

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 11:07:22 AM

Quant Time: Sep 19 04:57:02 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	280762	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1016818	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	530987	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	689957	20.00	ng	0.01
76) Chrysene-d12	14.02	240	577082	20.00	ng	0.02
87) Perylene-d12	15.51	264	773338	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	713775	43.89	ng	0.00
7) Phenol-d6	6.43	99	915656	45.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	457384	29.02	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	239137	45.41	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1073289	36.38	ng	0.00
79) Terphenyl-d14	12.95	244	732387	26.62	ng	0.02
Target Compounds						
49) Acenaphthylene	9.69	152	348506	7.524	ng	99
50) Dimethylphthalate	9.55	163	144080	3.983	ng	# 97
71) Phenanthrene	11.36	178	873138	25.253	ng	96
72) Anthracene	11.42	178	368089m	10.343	ng	
73) Carbazole	11.57	167	98641	3.078	ng	# 76
75) Fluoranthene	12.58	202	1933260	52.072	ng	92
78) Pyrene	12.82	202	1815877	42.058	ng	97
81) Benzo(a)anthracene	14.01	228	1288764	35.354	ng	93
83) Chrysene	14.05	228	1245980m	34.812	ng	
86) Indeno(1,2,3-cd)pyrene	16.99	276	838241	19.214	ng	# 91
88) Benzo(b)fluoranthene	15.08	252	1893866m	41.051	ng	
89) Benzo(k)fluoranthene	15.10	252	707691m	17.585	ng	
90) Benzo(a)pyrene	15.45	252	1357426	32.336	ng	96
91) Dibenzo(a,h)anthracene	17.00	278	236779	6.050	ng	# 91
92) Benzo(a,h,i)perylene	17.44	276	677742	16.847	ng	96

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

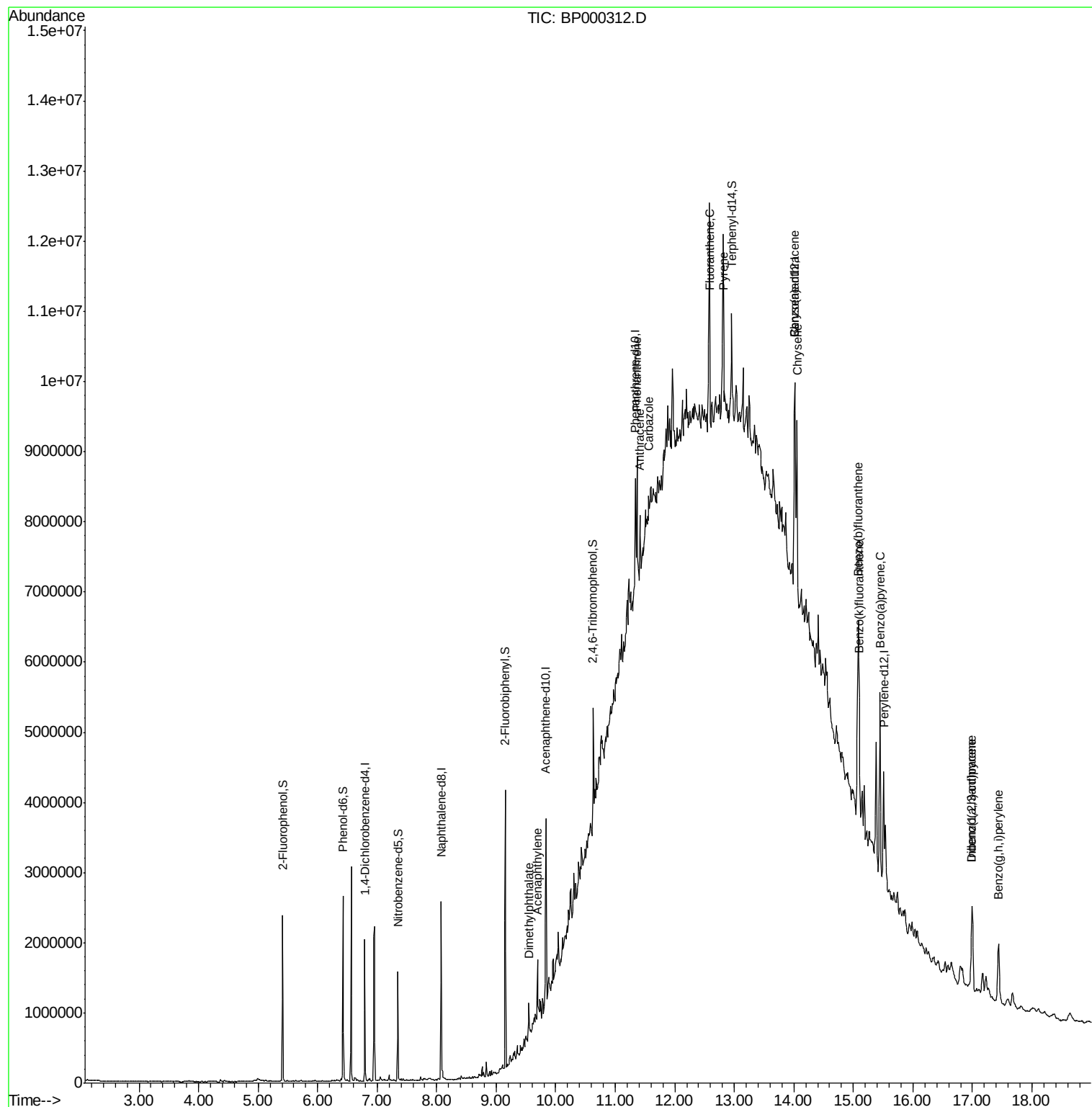
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
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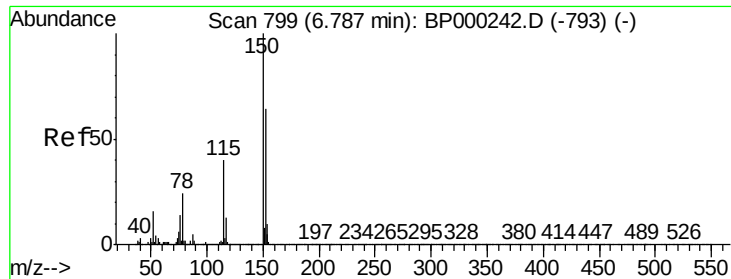
Instrument :
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SB-13DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

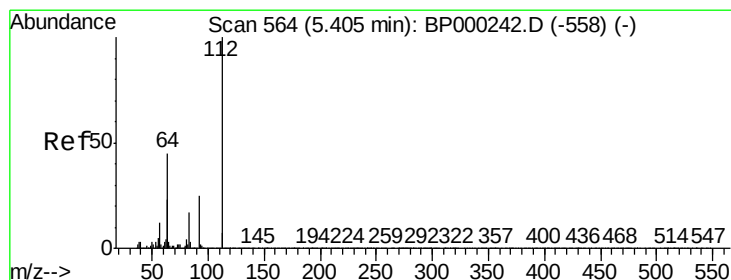
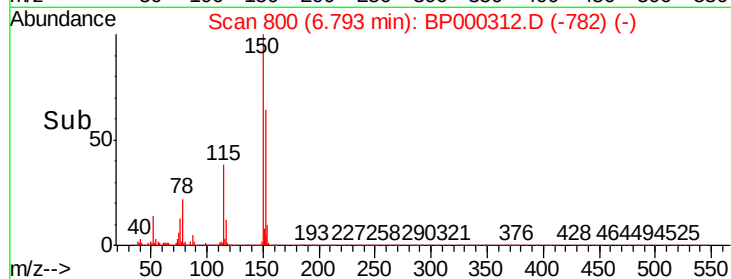
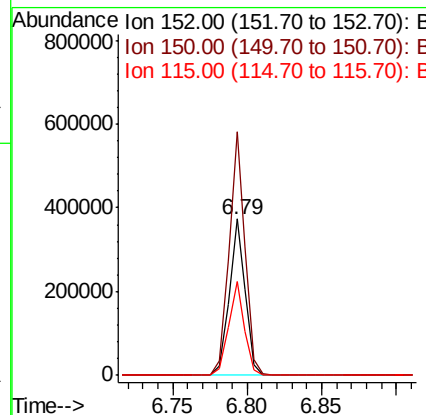
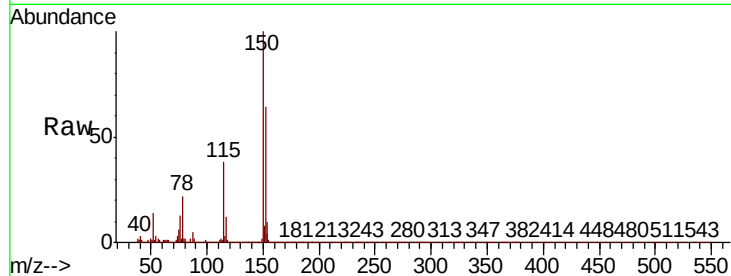
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :
SB-13DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.2	187.8
115	59.9	49.7	74.5

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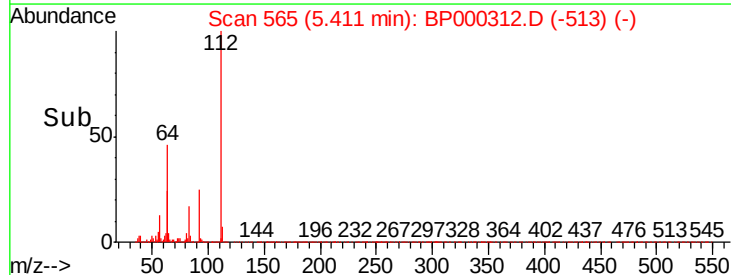
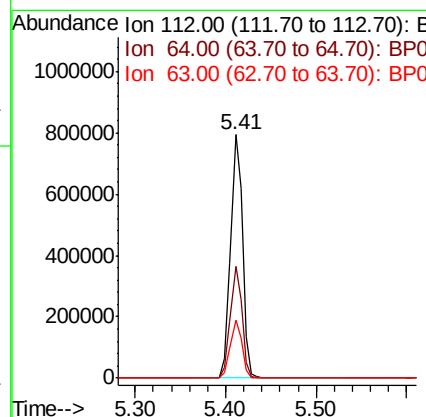
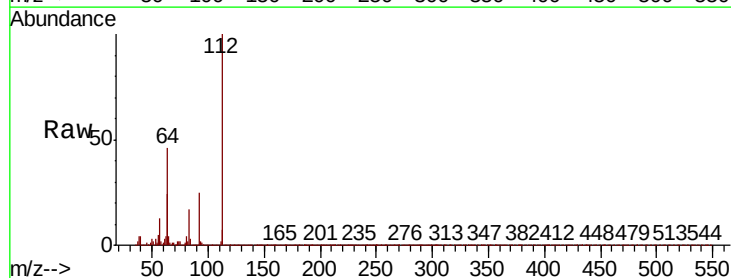
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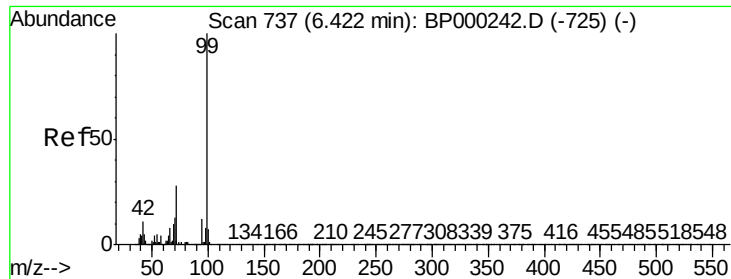


#5

2-Fluorophenol
Concen: 43.889 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	36.2	54.4
63	23.6	18.3	27.5





#7

Phenol-d6

Concen: 45.931 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

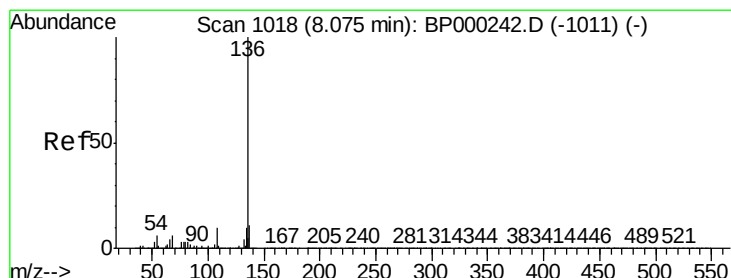
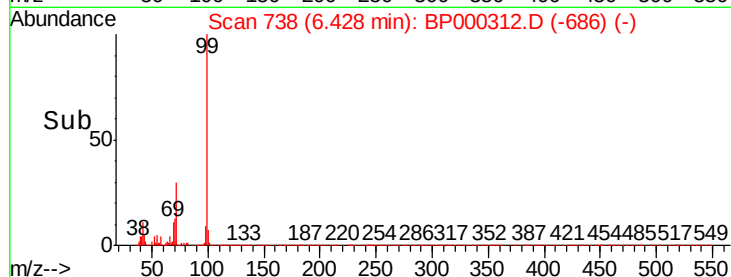
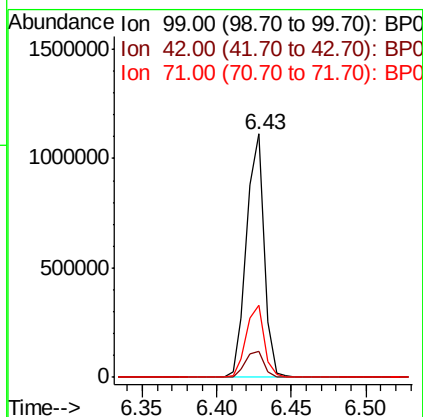
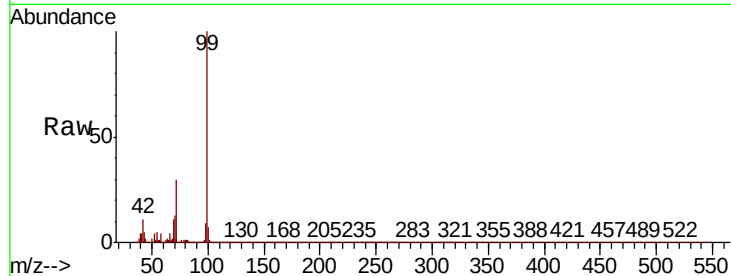
ClientSampleId :

SB-13DL

Tot Ion:	99	Resp:	915656
Ion Ratio	Lower	Upper	
99	100		
42	10.6	8.5	12.7
71	29.8	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

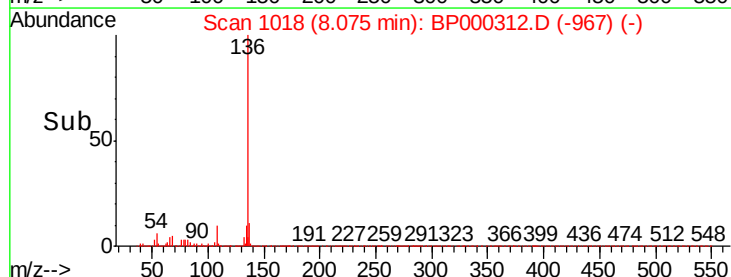
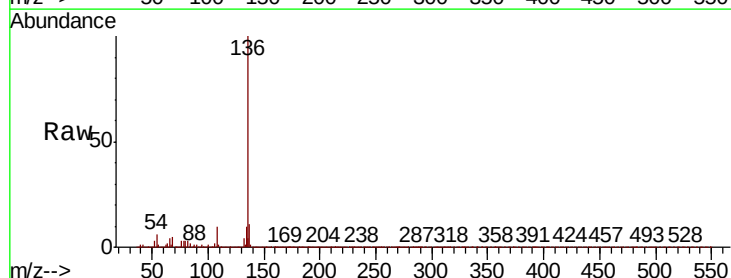
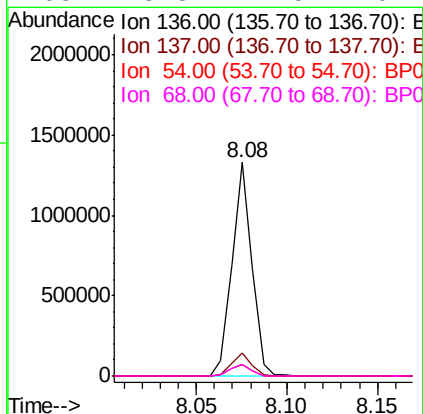
RT: 8.08 min Scan# 1018

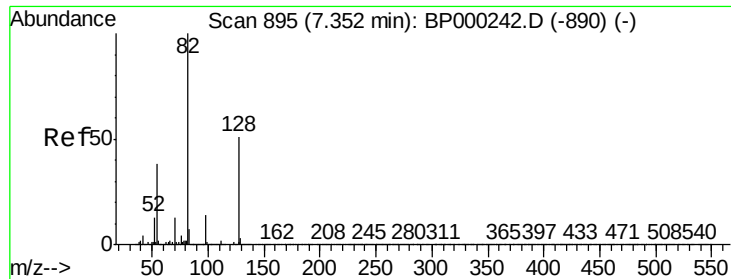
Delta R.T. 0.00 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Tgt Ion:	136	Resp:	1016818
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	5.6	4.5	6.7
68	5.3	4.5	6.7





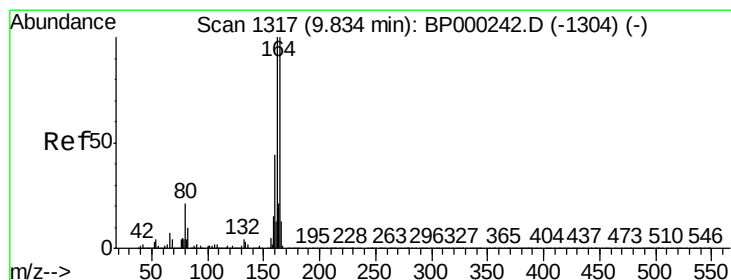
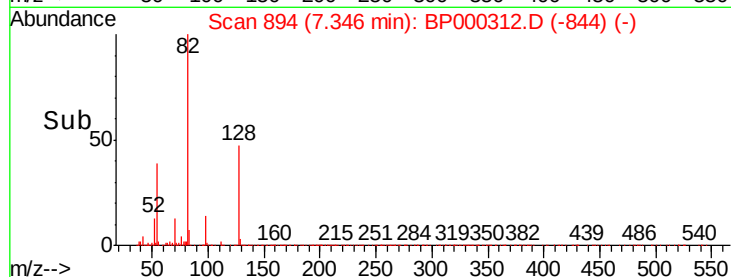
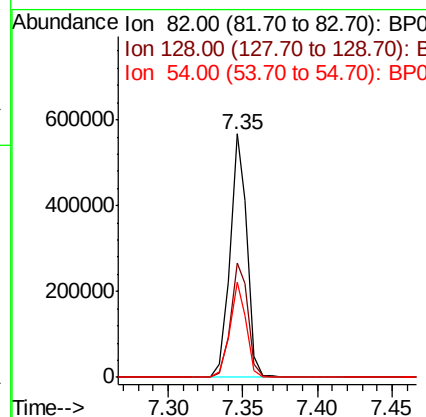
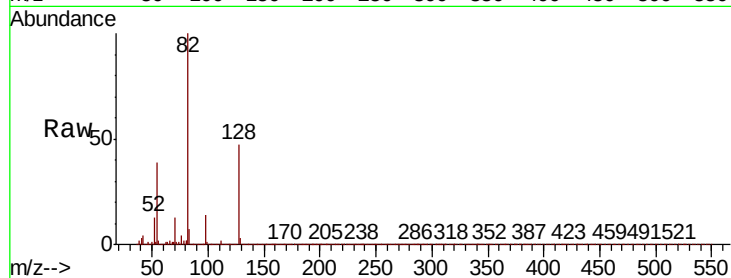
#23
 Nitrobenzene-d5
 Concen: 29.022 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

Instrument :
 BNA_P
 ClientSampled :
 SB-13DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	40.7	61.1
54	39.1	30.1	45.1

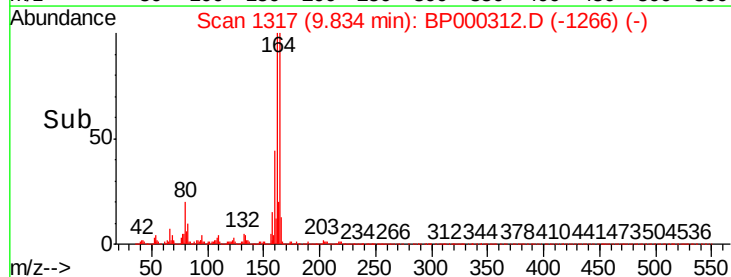
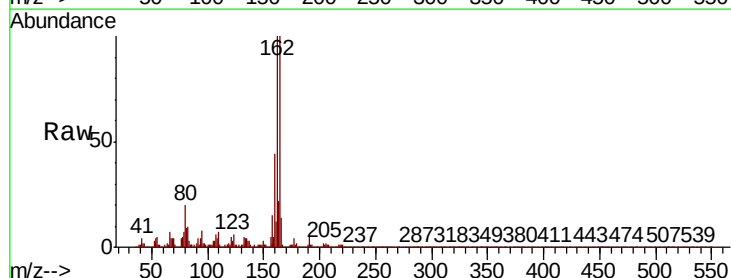
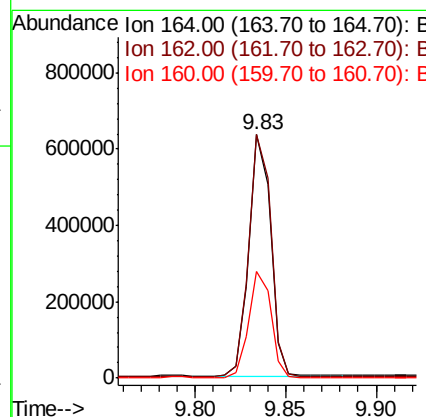
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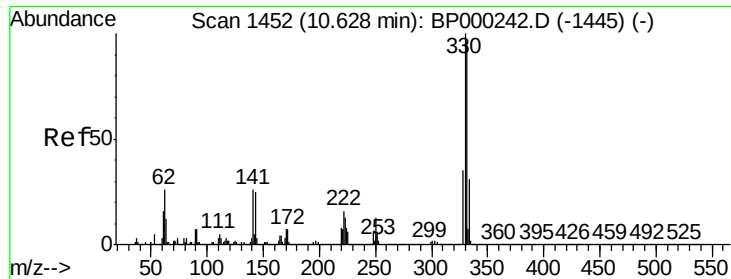
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.9	119.9
160	44.0	35.6	53.4





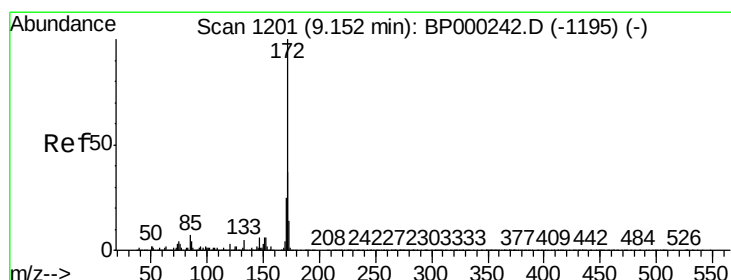
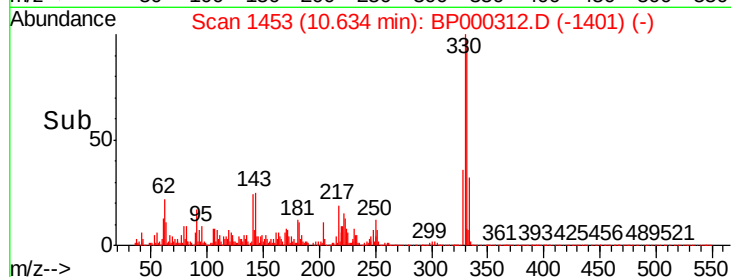
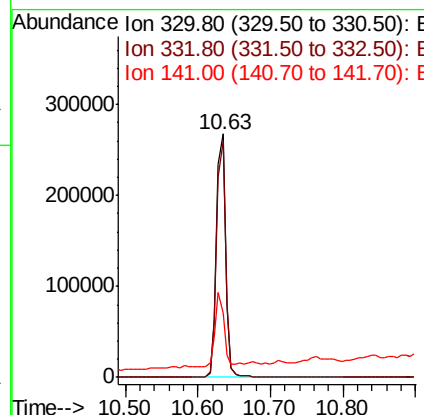
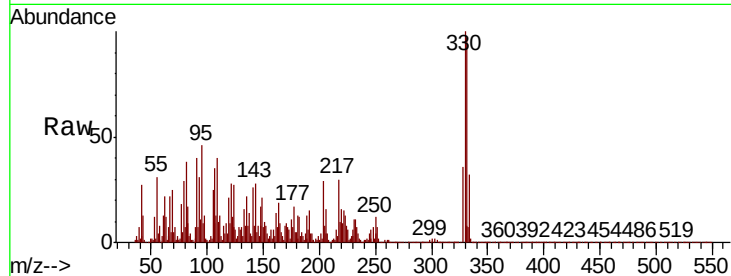
#42
2,4,6-Tribromophenol
Concen: 45.406 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :
SB-13DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	239137		
332	96.4	76.6	115.0	
141	28.4	26.5	39.7	

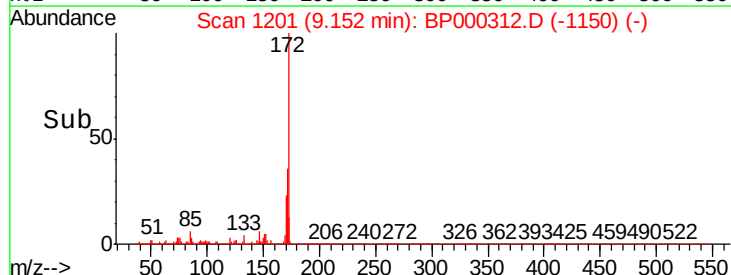
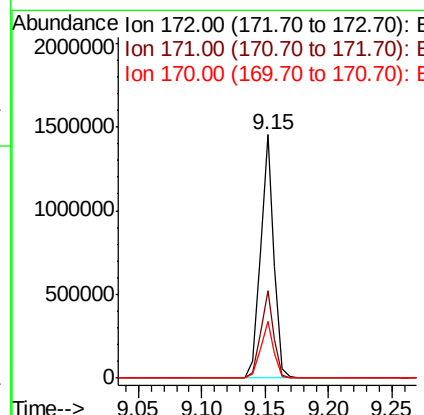
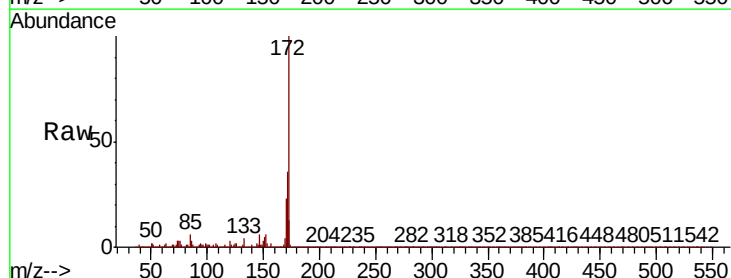
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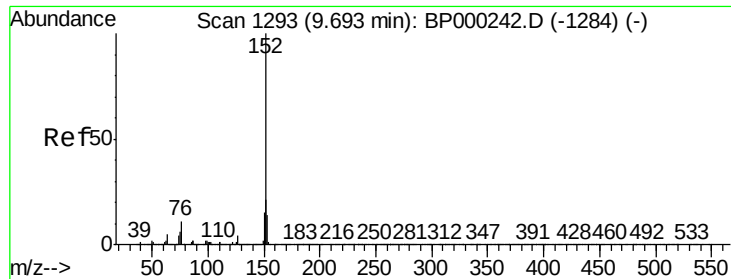
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#45
2-Fluorobiphenyl
Concen: 36.380 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1073289		
171	36.0	29.8	44.6	
170	23.3	19.8	29.6	





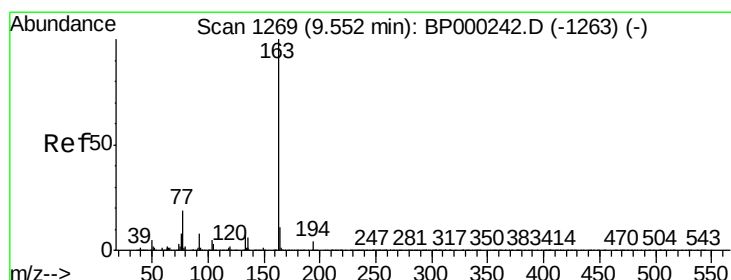
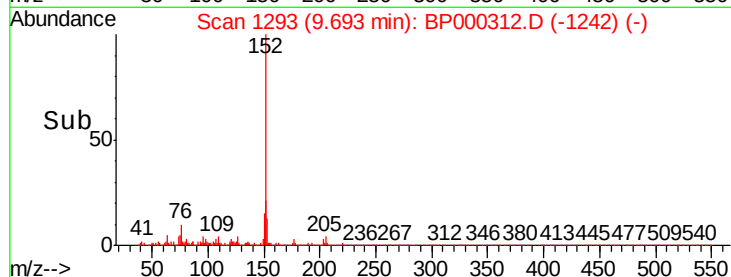
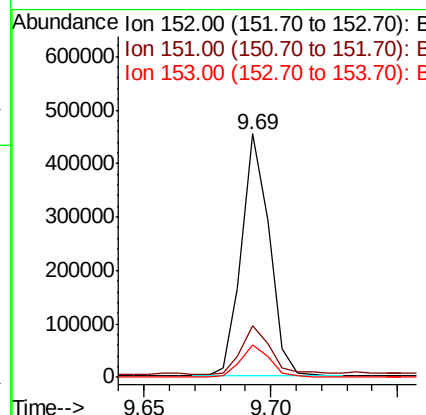
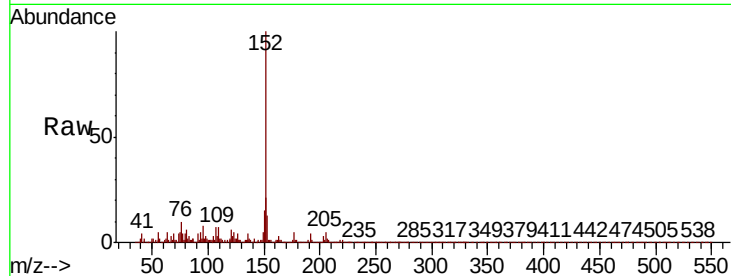
#49
Acenaphthylene
Concen: 7.524 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :
SB-13DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.2	16.4	24.6	
153	13.2	11.0	16.4	

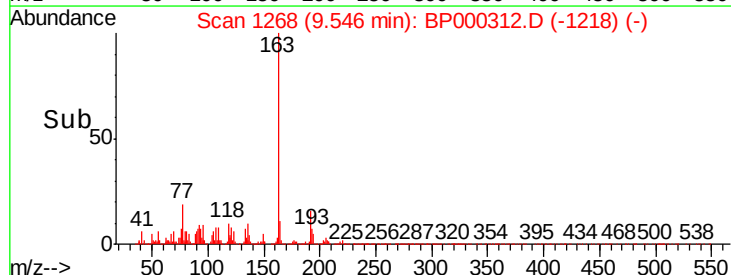
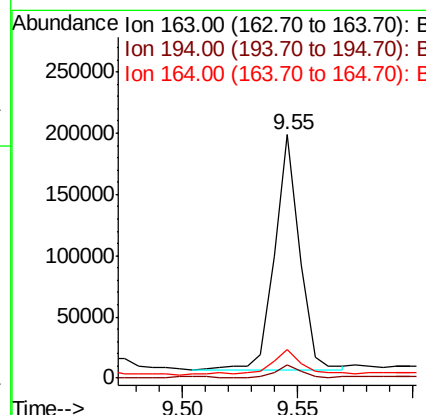
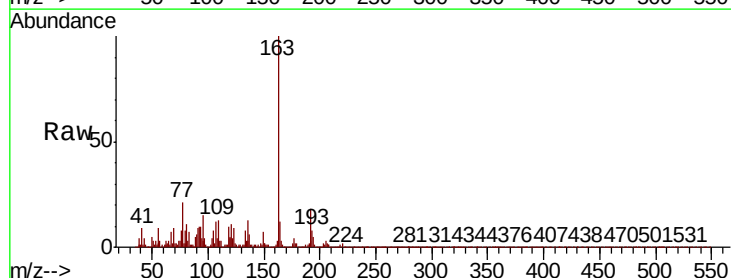
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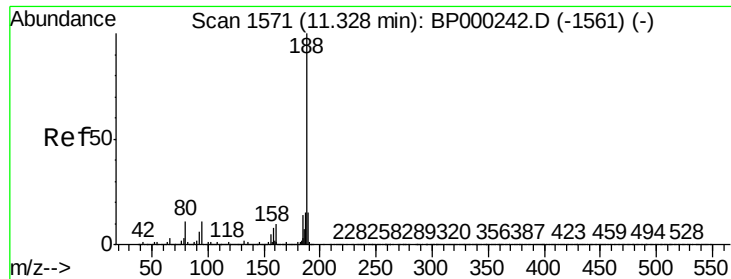
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#50
Dimethylphthalate
Concen: 3.983 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.3	3.4	5.0#	
164	11.7	8.5	12.7	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

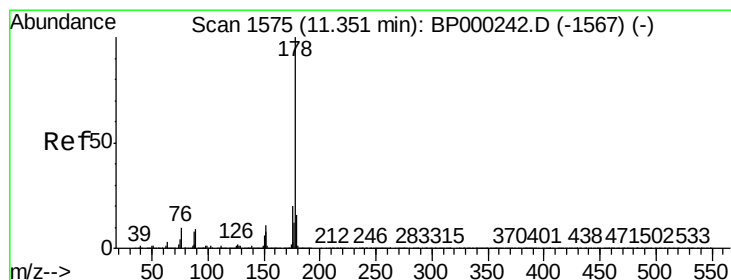
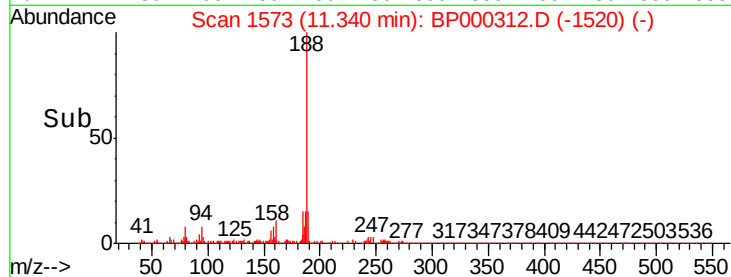
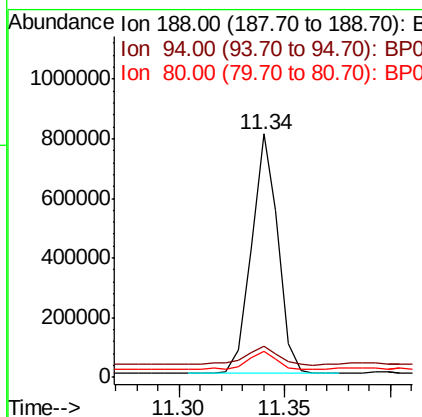
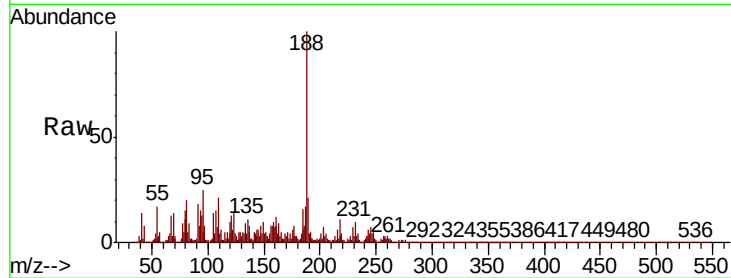
ClientSampled :

SB-13DL

Tot Ion:	188	Resp:	689957
Ion Ratio	Lower	Upper	
188	100		
94	12.6	8.5	12.7
80	10.8	8.6	13.0

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#71

Phenanthrene

Concen: 25.253 ng

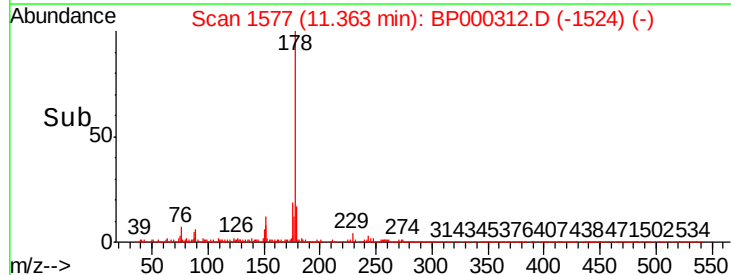
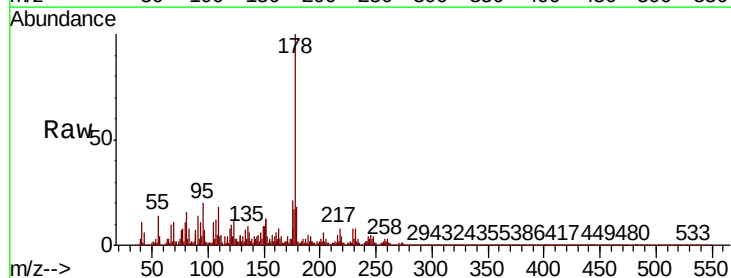
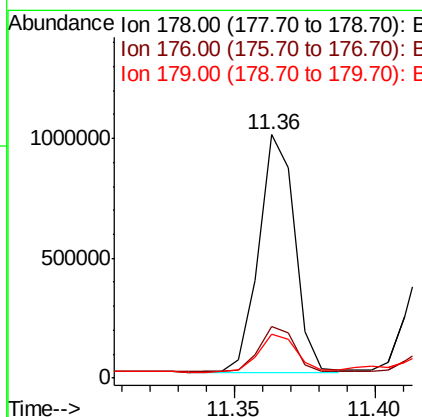
RT: 11.36 min Scan# 1577

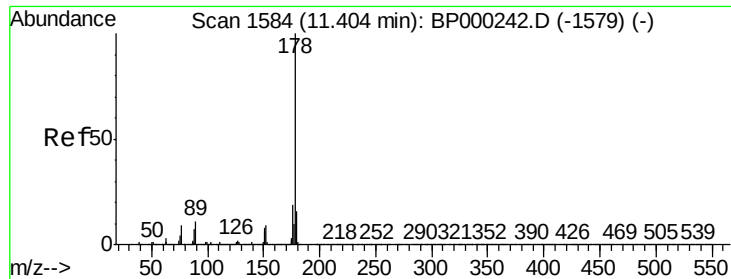
Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Tgt Ion:	178	Resp:	873138
Ion Ratio	Lower	Upper	
178	100		
176	21.2	15.8	23.8
179	18.1	12.7	19.1





#72

Anthracene

Concen: 10.343 ng/mL

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

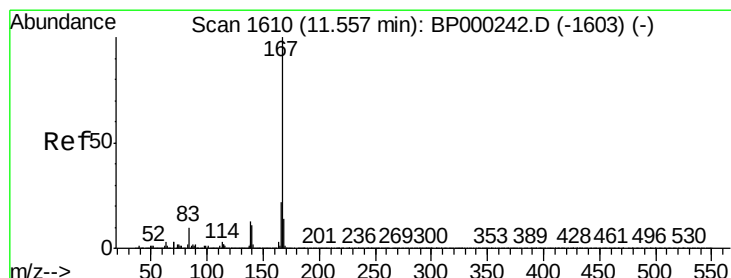
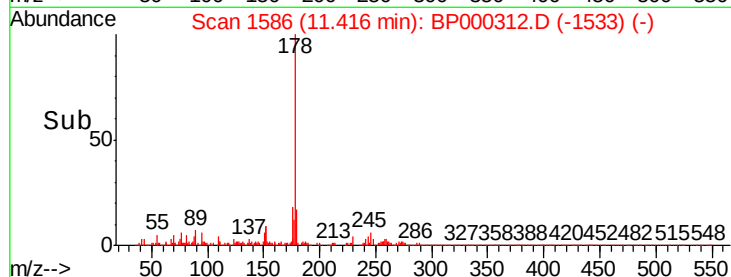
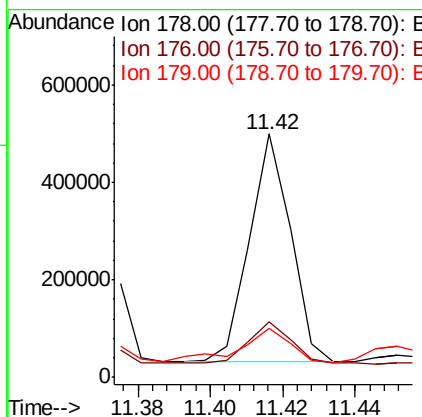
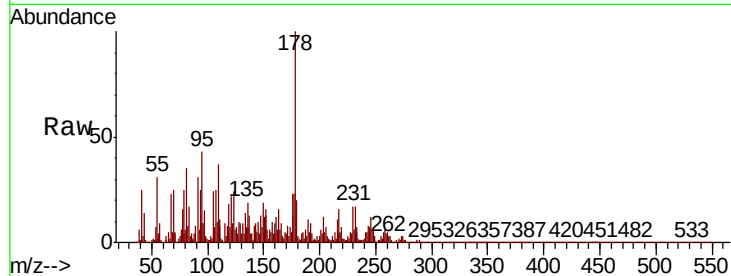
ClientSampleId :

SB-13DL

Tot Ion:	178	Resp:	368089
Ion Ratio	Lower	Upper	
178	100		
176	22.7	15.4	23.0
179	20.3	12.7	19.1

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#73

Carbazole

Concen: 3.078 ng/mL

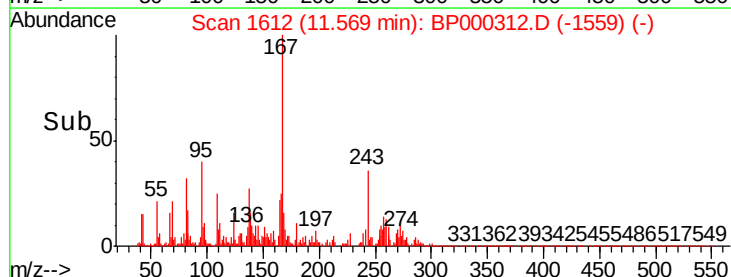
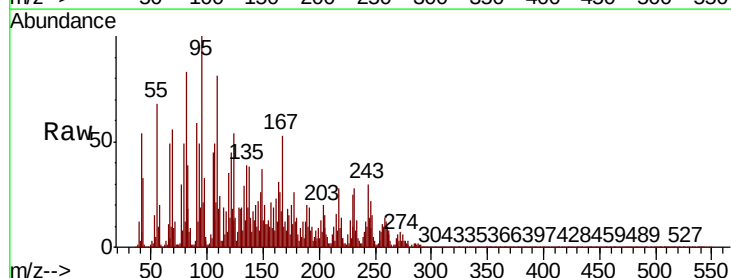
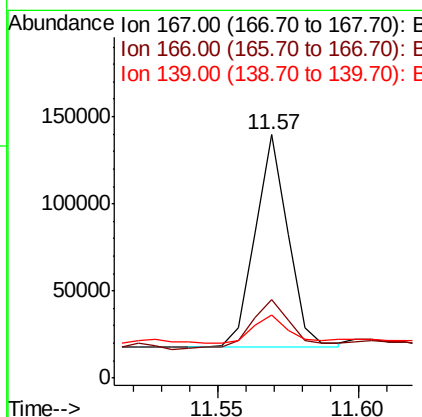
RT: 11.57 min Scan# 1612

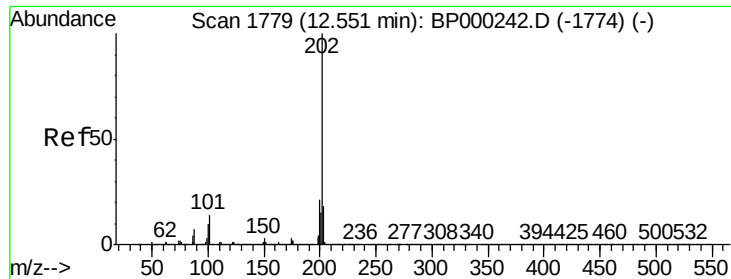
Delta R.T. 0.01 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Tgt Ion:	167	Resp:	98641
Ion Ratio	Lower	Upper	
167	100		
166	32.1	17.8	26.8
139	25.7	10.8	16.2





#75

Fluoranthene

Concen: 52.072 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.03 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Instrument :

BNA_P

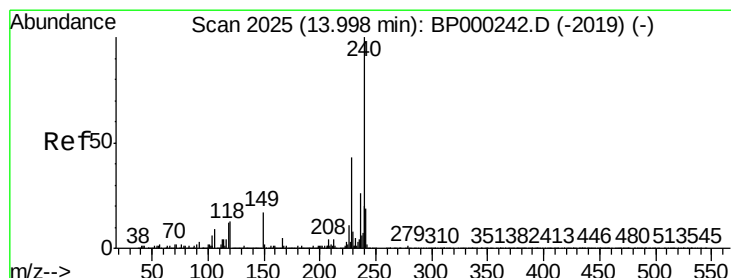
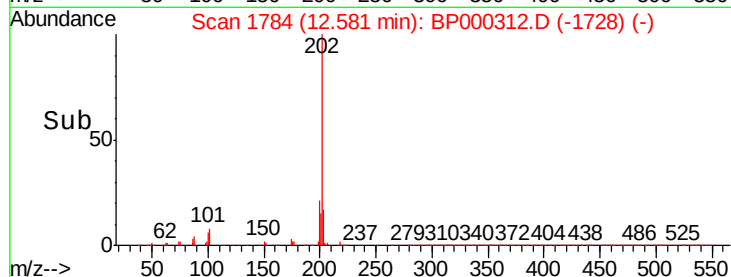
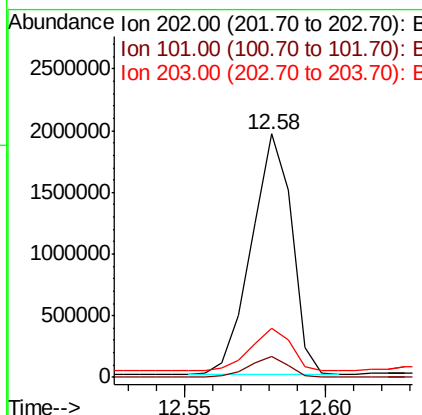
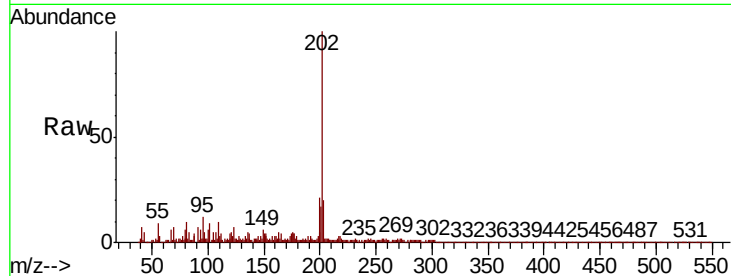
ClientSampled :

SB-13DL

Tot Ion:	202	Resp:	1933260
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	33.9
203	19.9	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

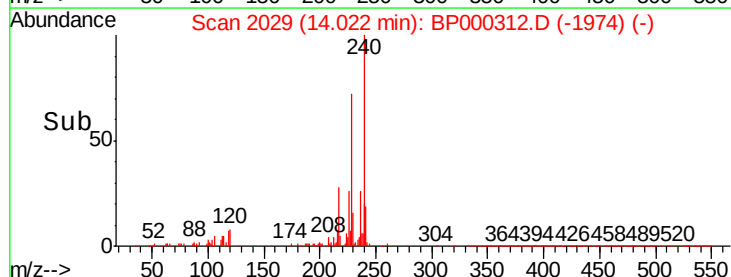
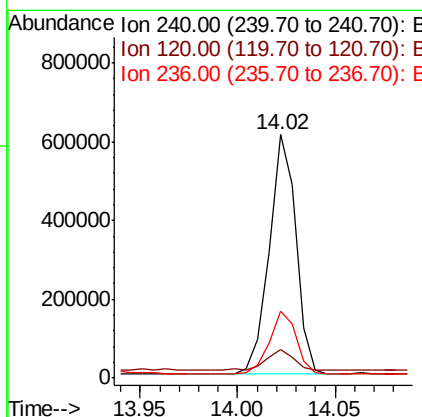
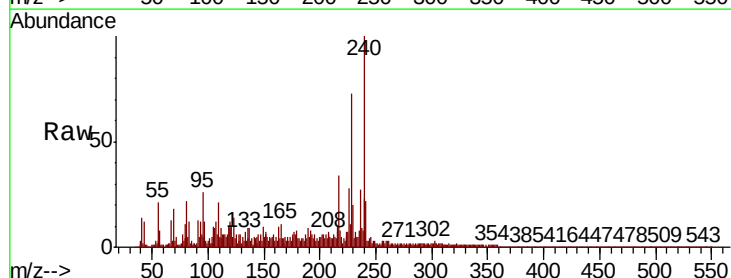
RT: 14.02 min Scan# 2029

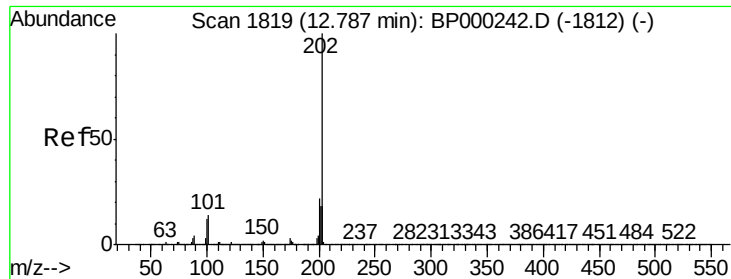
Delta R.T. 0.02 min

Lab File: BP000312.D

Acq: 18 Sep 2019 21:15

Tgt Ion:	240	Resp:	577082
Ion Ratio	Lower	Upper	
240	100		
120	11.9	10.4	15.6
236	27.3	21.0	31.6





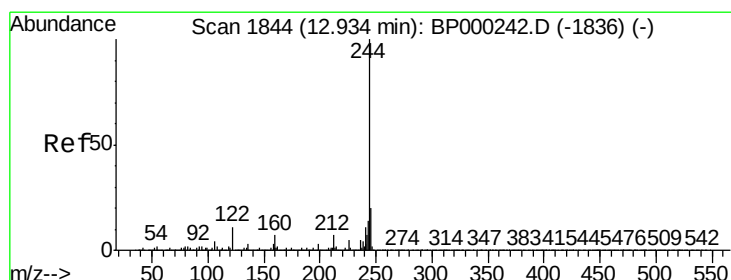
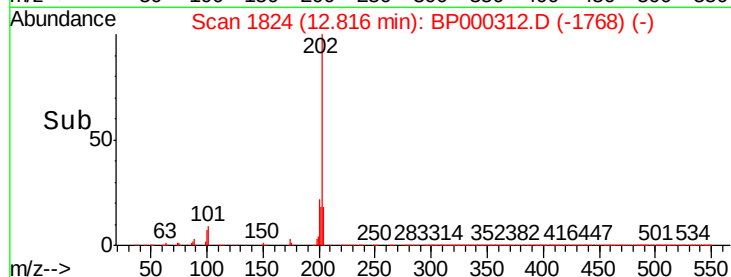
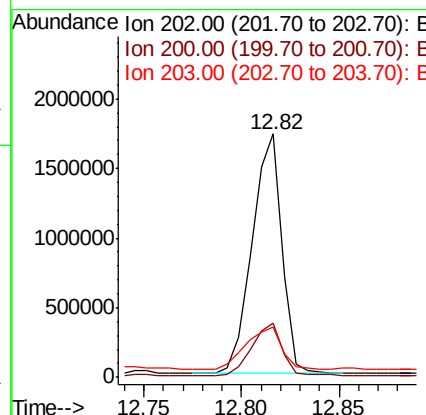
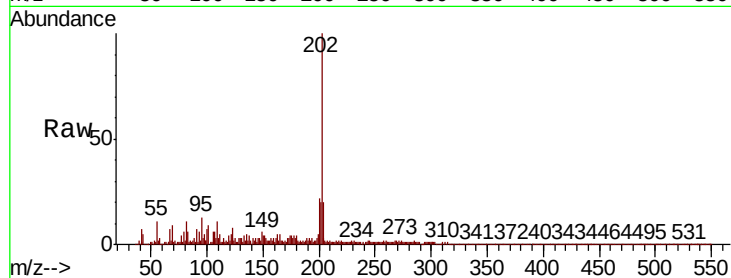
#78
Pvrene
Concen: 42.058 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.03 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :
SB-13DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.5	26.3
203	20.4	14.3	21.5

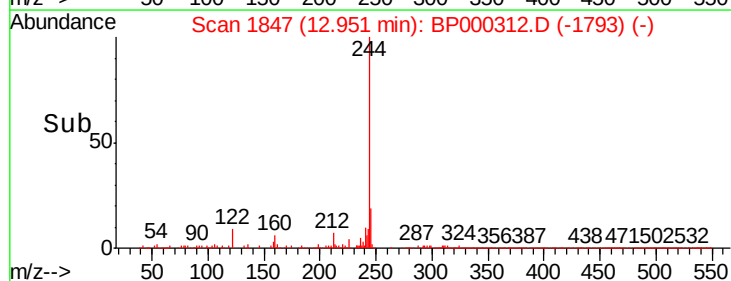
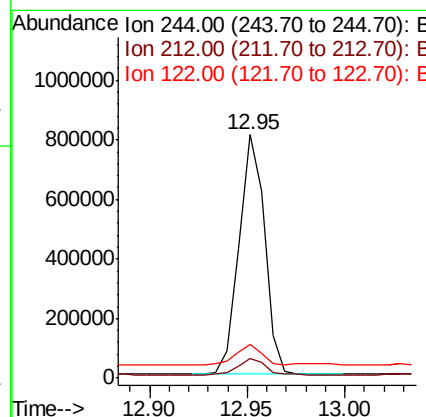
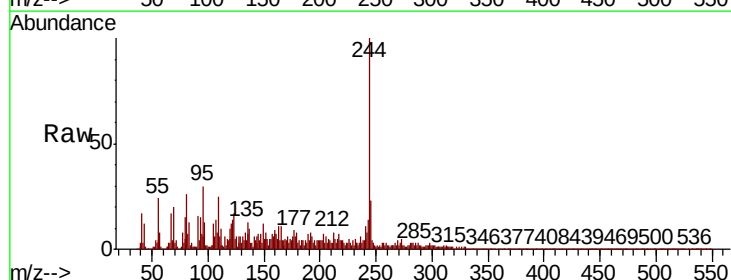
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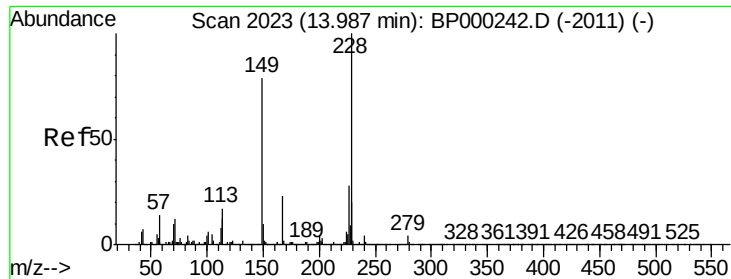
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#79
Terphenyl-d14
Concen: 26.624 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.9	8.9
122	13.8	9.0	13.4





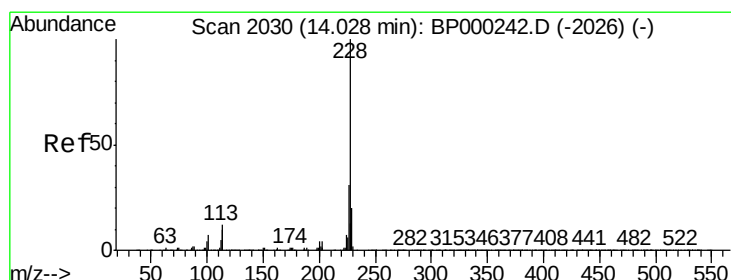
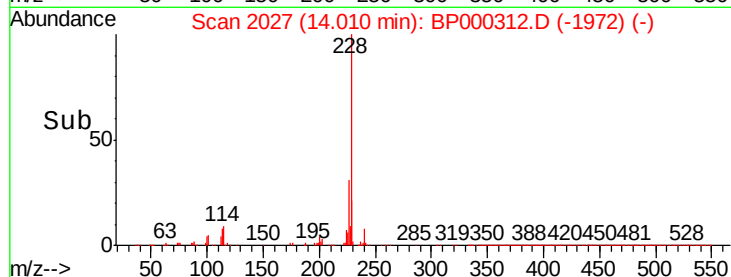
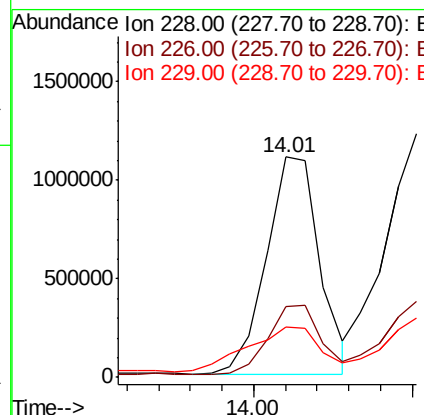
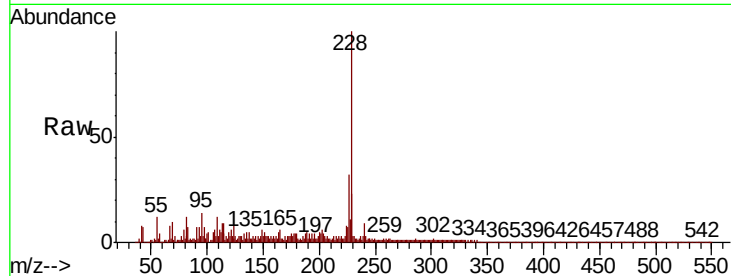
#81
Benzo(a)anthracene
Concen: 35.354 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampled :
SB-13DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.2	33.4
229	22.8	16.0	24.0

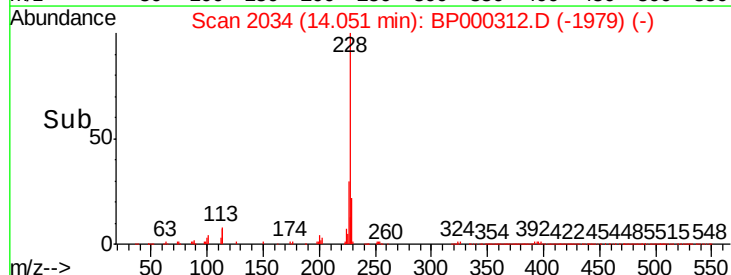
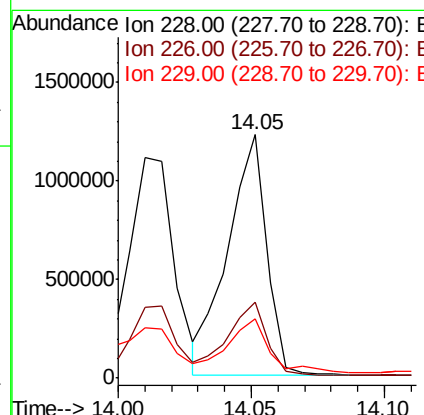
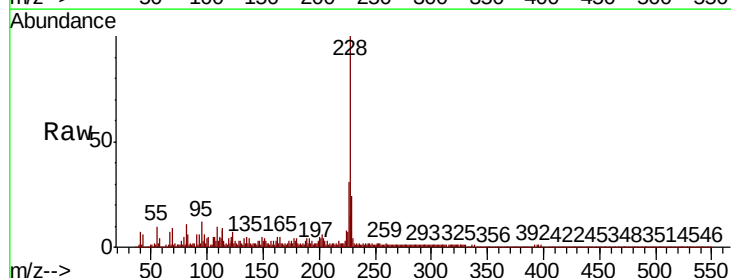
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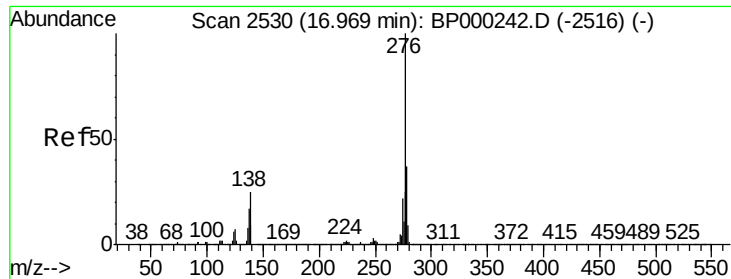
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#83
Chrysene
Concen: 34.812 ng m
RT: 14.05 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	24.4	16.2	24.2#





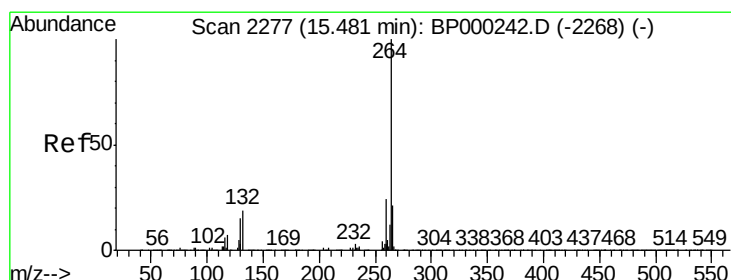
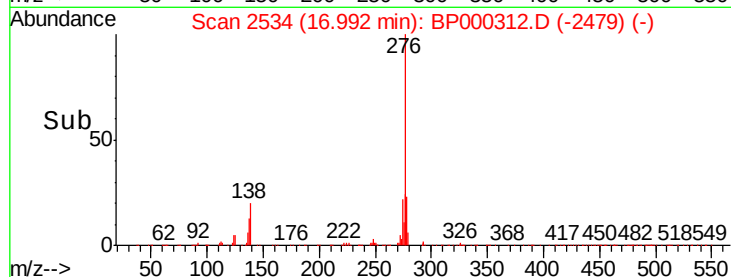
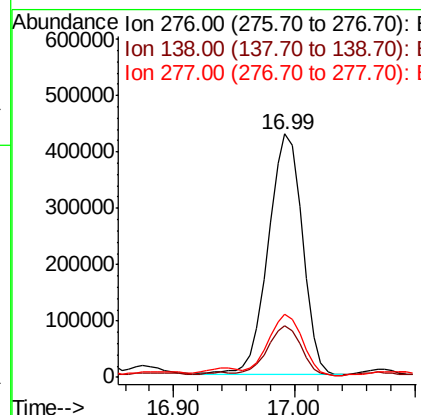
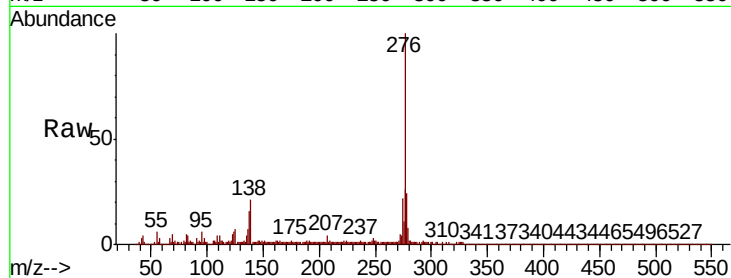
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.214 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleID :
SB-13DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	22.6	33.8#
277	24.9	20.4	30.6

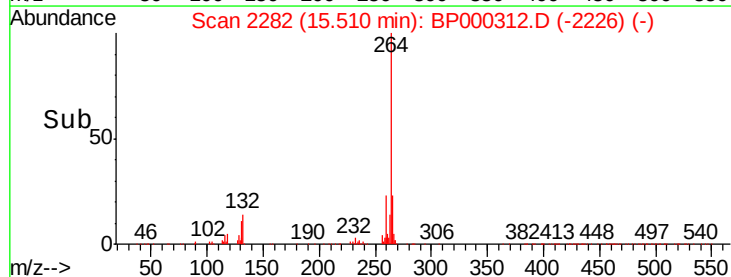
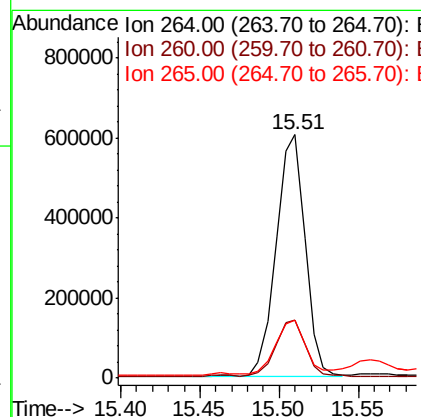
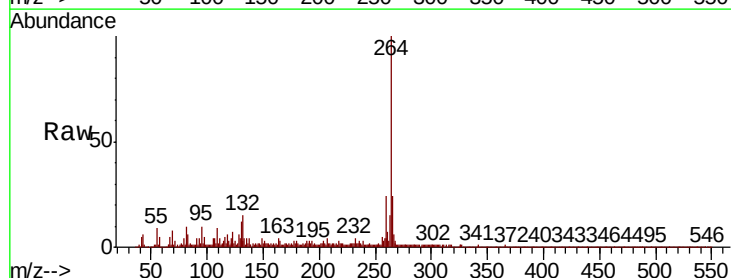
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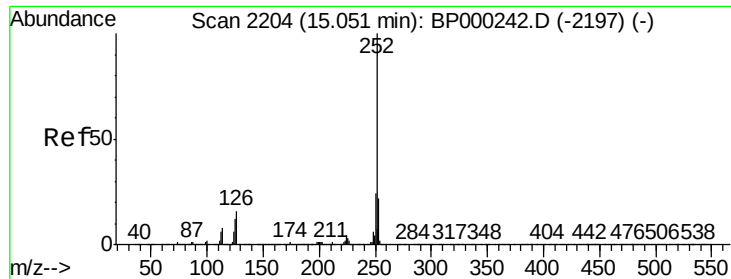
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.03 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	24.0	17.2	25.8





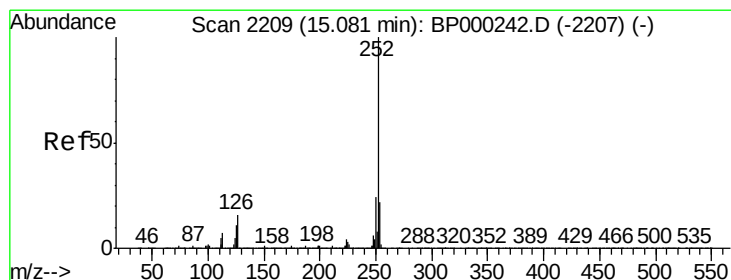
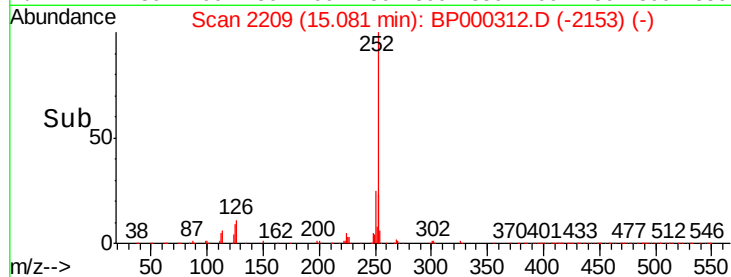
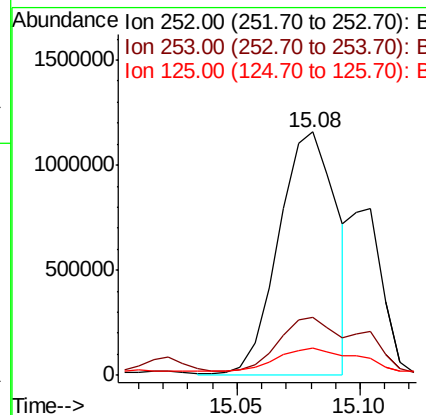
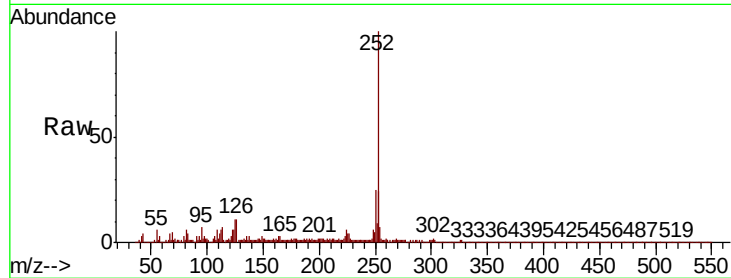
#88
Benzo(b)fluoranthene
Concen: 41.051 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.03 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :
SB-13DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.0	9.5	14.3

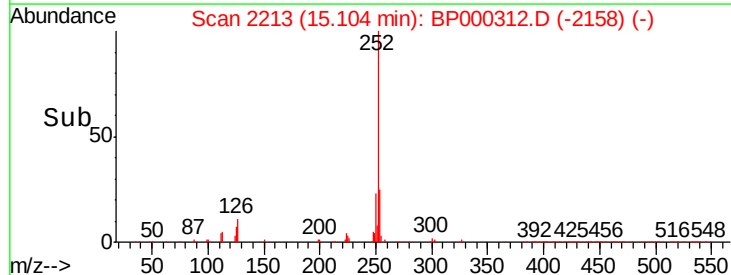
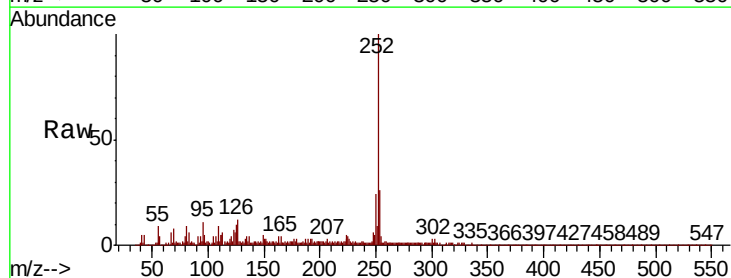
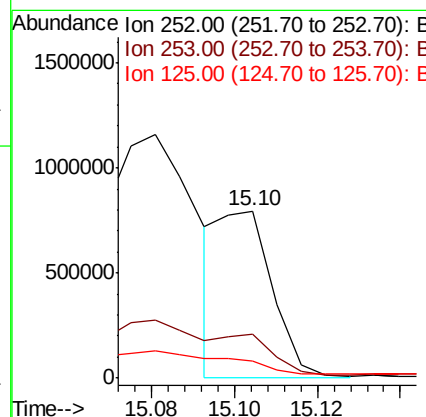
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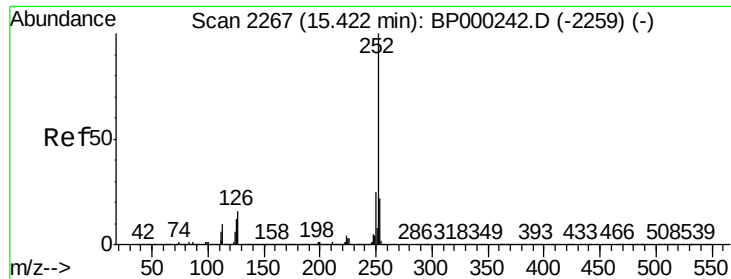
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#89
Benzo(k)fluoranthene
Concen: 17.585 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.8
125	10.1	9.6	14.4





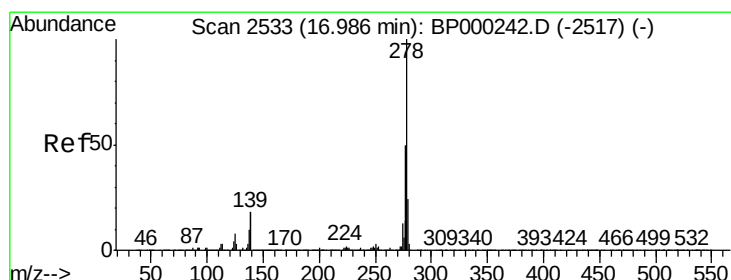
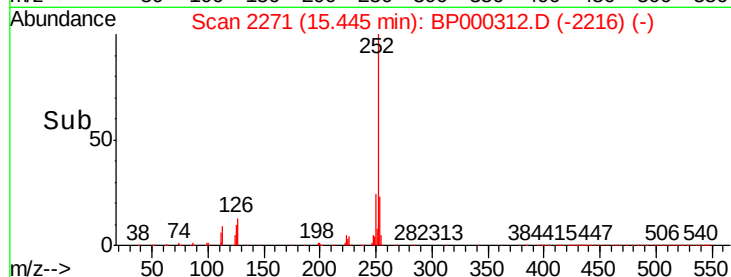
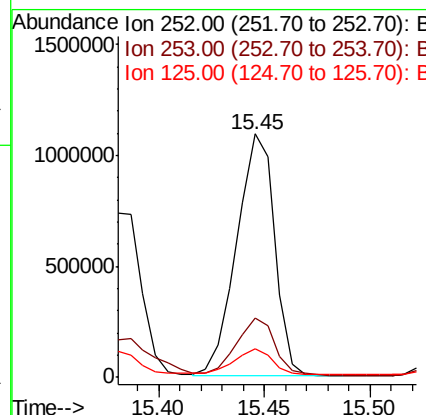
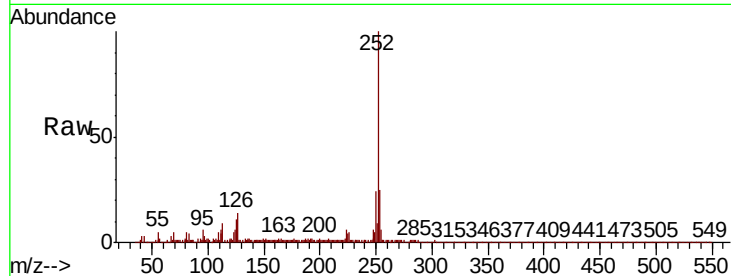
#90
Benzo(a)pyrene
Concen: 32.336 ng
RT: 15.45 min Scan# 2271
Delta R.T. 0.02 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Instrument :
BNA_P
ClientSampleId :
SB-13DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	11.5	10.0	15.0

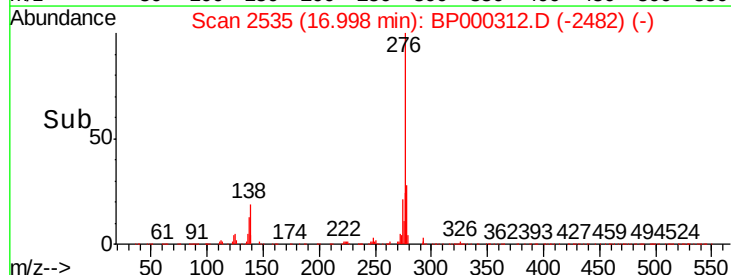
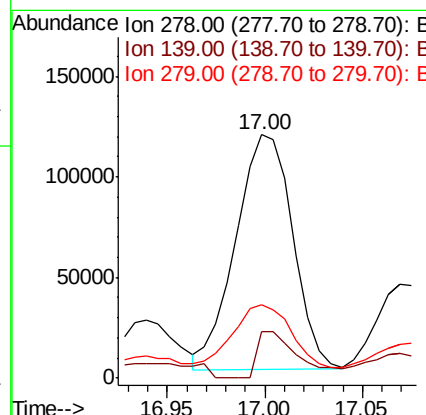
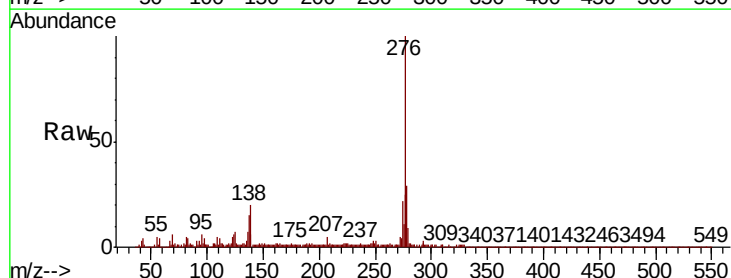
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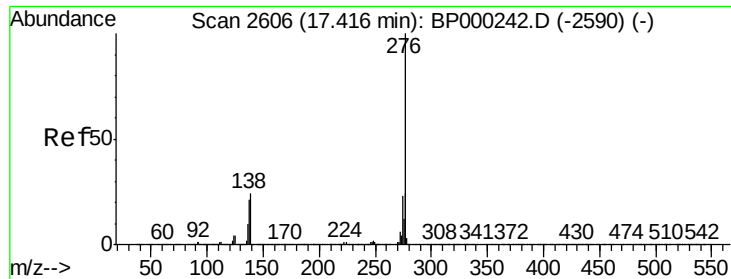
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#91
Dibenzo(a,h)anthracene
Concen: 6.050 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BP000312.D
Acq: 18 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.5	21.7
279	30.3	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 16.847 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.02 min
 Lab File: BP000312.D
 Acq: 18 Sep 2019 21:15

Instrument :
 BNA_P
 ClientSampleId :
 SB-13DL

Tot Ion:	276	Resp:	677742
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.1	28.7
138	21.2	19.5	29.3

Manual Integrations
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