

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100553.D
 Acq On : 25 Sep 2019 12:03
 Operator : JU
 Sample : K4995-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW177-091819-1

Manual Integrations
 APPROVED

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 9/26/2019 3:55:31 PM

Quant Time: Sep 26 00:56:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	7450	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	31666	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	16663	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	37436	0.40	ng	0.00
27) Chrysene-d12	21.37	240	49555	0.40	ng	0.00
34) Perylene-d12	23.83	264	56808	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	4293	0.25	ng	0.00
5) Phenol-d6	7.01	99	5998	0.25	ng	-0.01
8) Nitrobenzene-d5	9.00	82	4331	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	11871	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	347	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	14801	0.25	ng	0.00
25) Fluoranthene-d10	19.23	212	122085	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	29971	0.26	ng	0.00

Target Compounds				Qvalue		
16) Acenaphthylene	14.21	152	1675	0.024	ng	98
23) Phenanthrene	17.24	178	5579	0.053	ng	97
26) Fluoranthene	19.25	202	24926	0.198	ng	99
28) Pyrene	19.62	202	27728	0.194	ng	98
30) Benzo(a)anthracene	21.34	228	22807	0.172	ng	97
31) Chrysene	21.40	228	21505	0.143	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	20173	0.141	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	14150	0.084	ng	96
35) Benzo(b)fluoranthene	23.08	252	30927	0.201	ng	# 95
36) Benzo(k)fluoranthene	23.12	252	11494m	0.065	ng	
37) Benzo(a)pyrene	23.72	252	20498	0.143	ng	# 95
38) Dibenzo(a,h)anthracene	26.46	278	3946	0.026	ng	# 73
39) Benzo(a,h,i)perylene	27.24	276	13612	0.087	ng	95

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

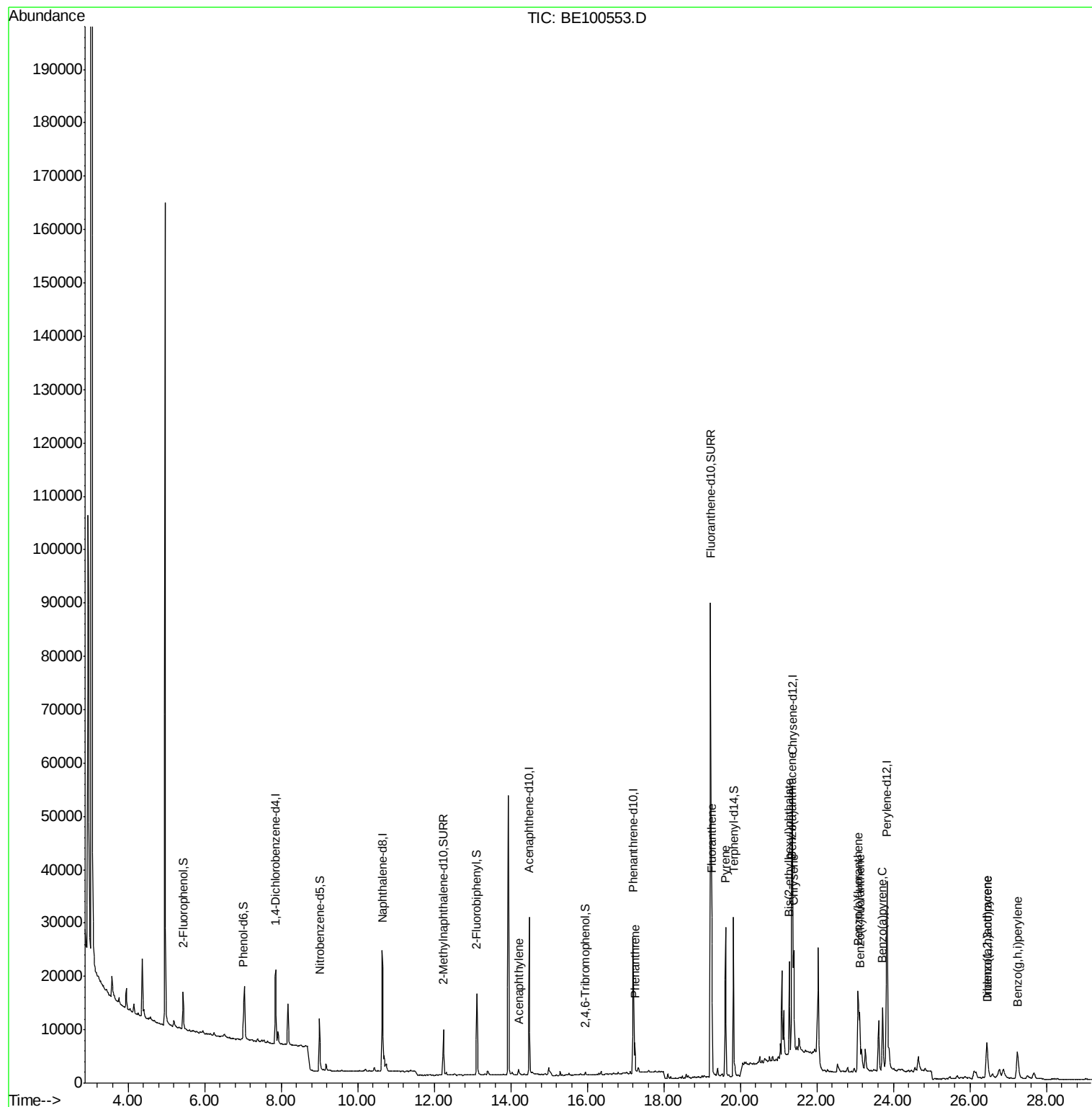
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
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ALS Vial : 5 Sample Multiplier: 1

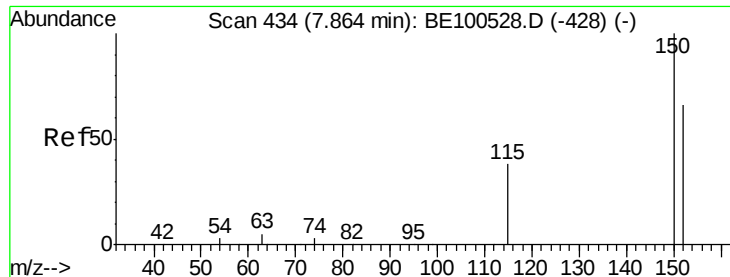
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

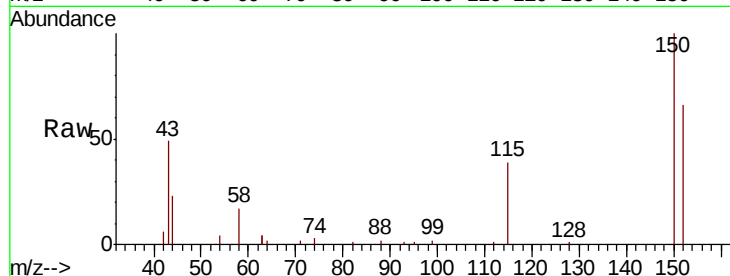
ClientSampleId :

EXT-SW177-091819-1

Tot Ion:	152	Resp:	7450
Ion	Ratio	Lower	Upper
152	100		
150	151.8	121.6	182.4
115	59.3	48.2	72.4

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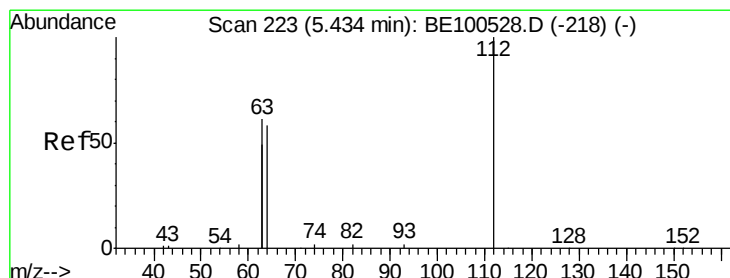
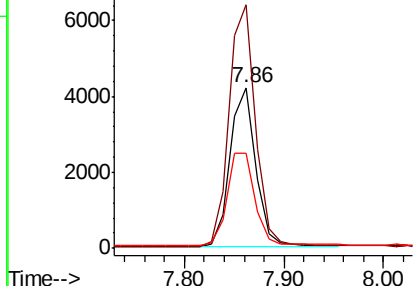
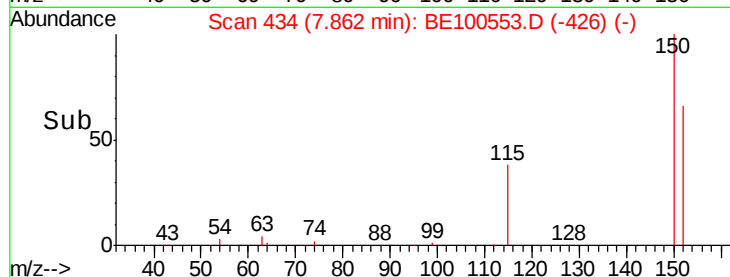


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.246 ng

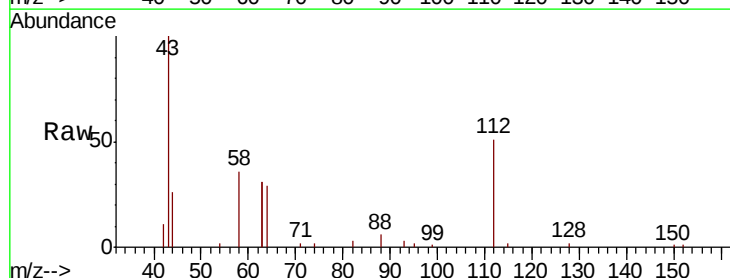
RT: 5.43 min Scan# 223

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Tgt Ion:	112	Resp:	4293
Ion	Ratio	Lower	Upper
112	100		
64	53.9	44.1	66.1
63	112.2	86.5	129.7

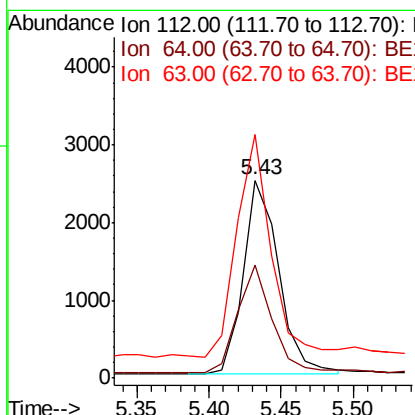
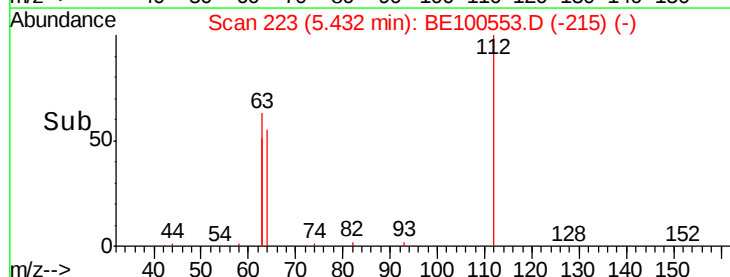


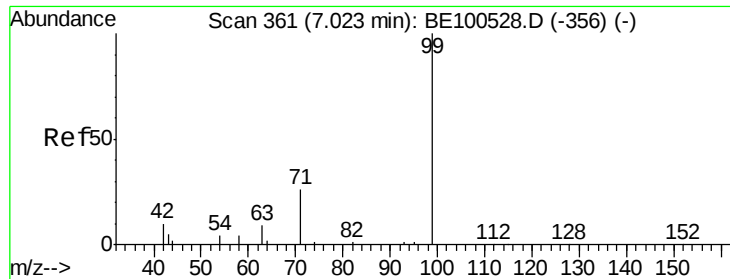
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.251 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

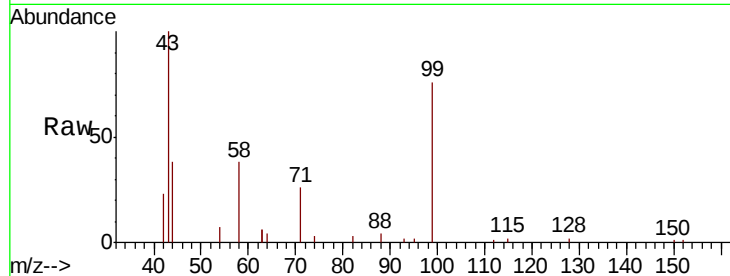
ClientSampleId :

EXT-SW177-091819-1

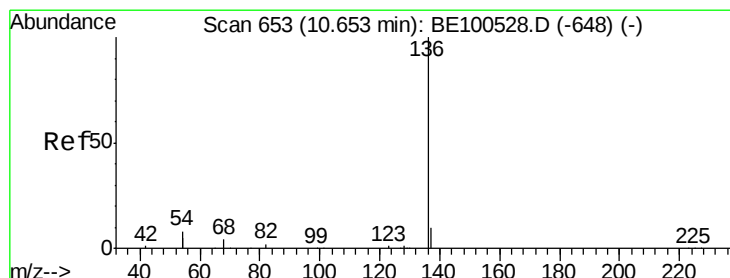
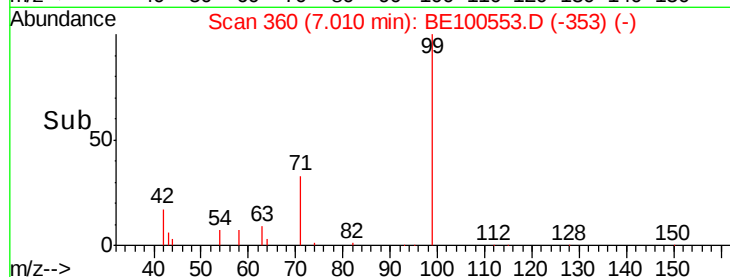
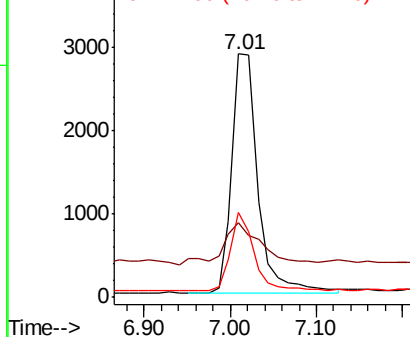
Tot Ion:	99	Resp:	5998
Ion Ratio	Lower	Upper	
99	100		
42	25.1	13.0	19.6#
71	29.8	23.4	35.0

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Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

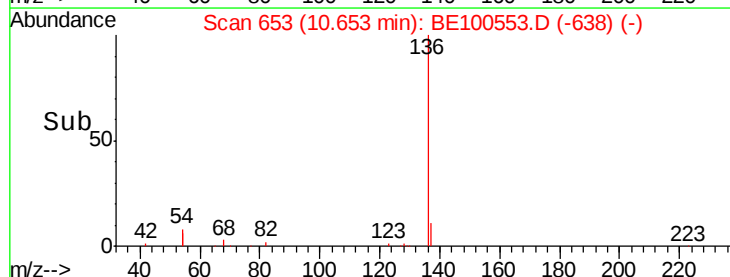
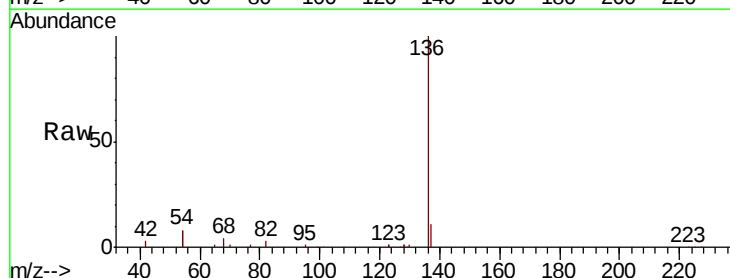
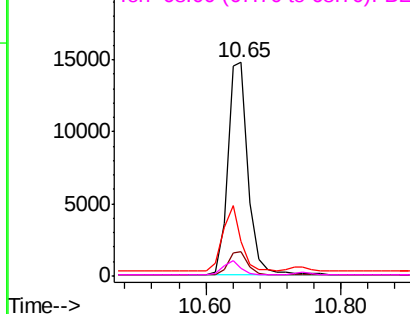
Delta R.T. -0.00 min

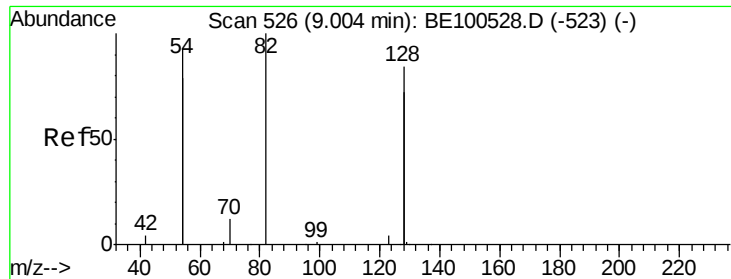
Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Tgt Ion:	136	Resp:	31666
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	13.0
54	16.1	12.4	18.6
68	3.7	3.3	4.9

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.237 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

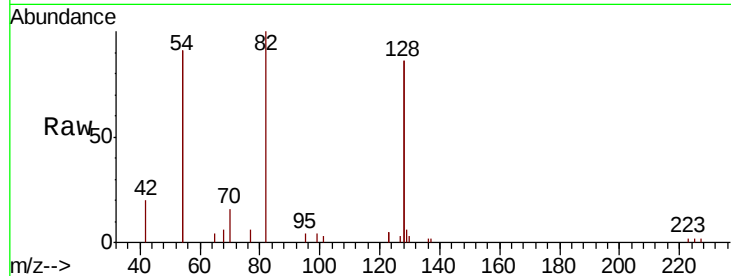
ClientSampleId :

EXT-SW177-091819-1

Tot Ion:	82	Resp:	4331
Ion	Ratio	Lower	Upper
82	100		
128	171.2	129.4	194.2
54	182.0	143.3	214.9

Manual Integrations
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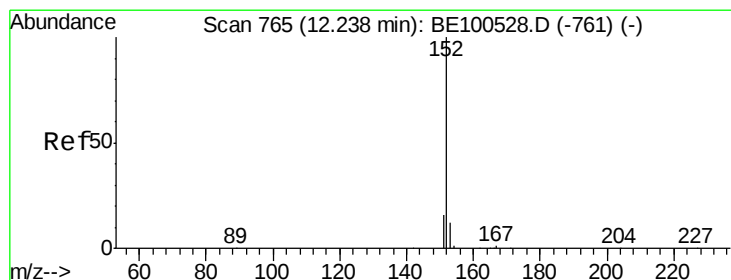
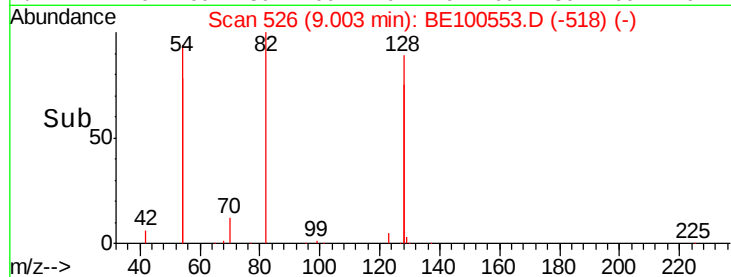
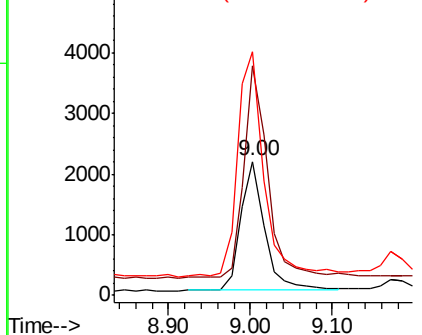


Abundance

Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.251 ng

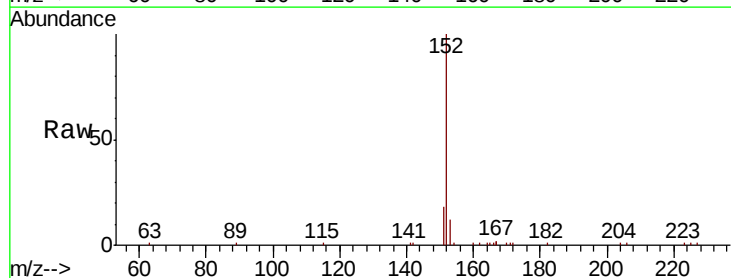
RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

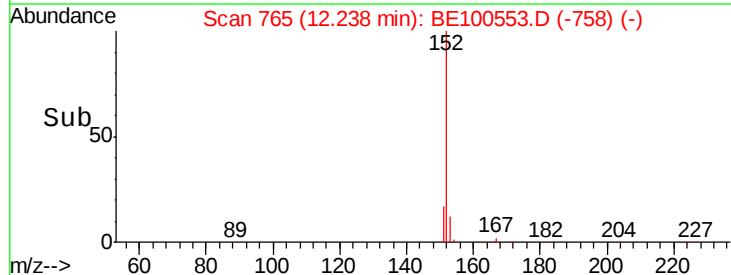
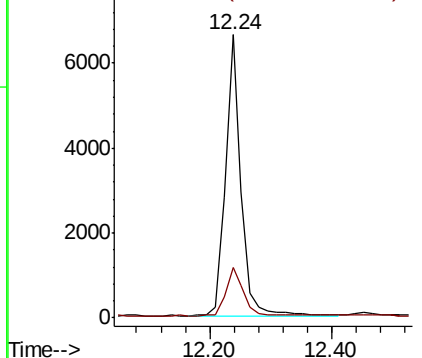
Tgt Ion:	152	Resp:	11871
Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

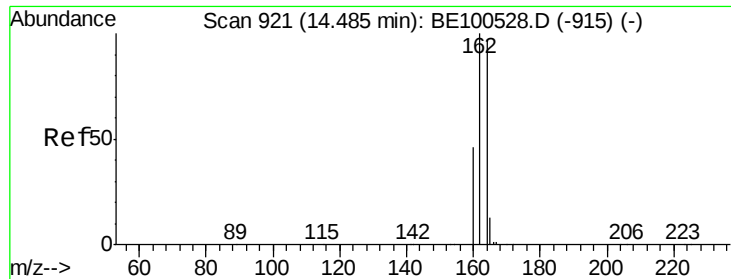


Abundance

Ion 152.00 (151.70 to 152.70): BE1

Ion 151.00 (150.70 to 151.70): BE1





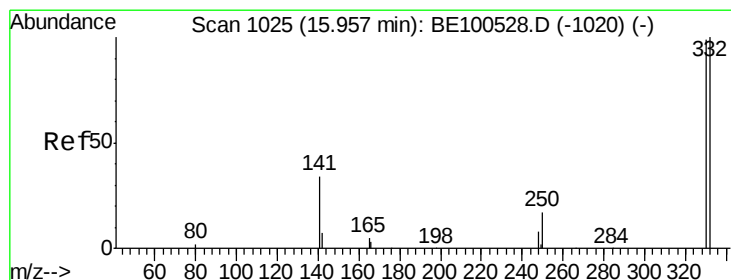
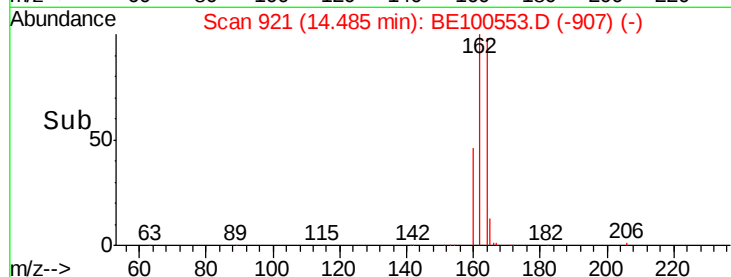
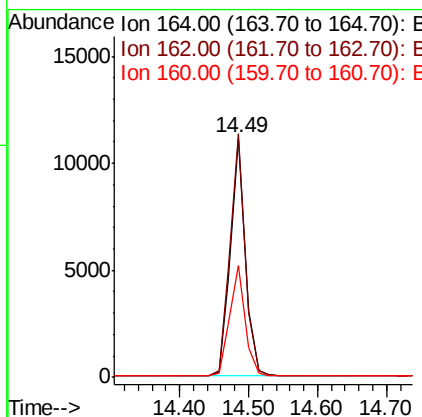
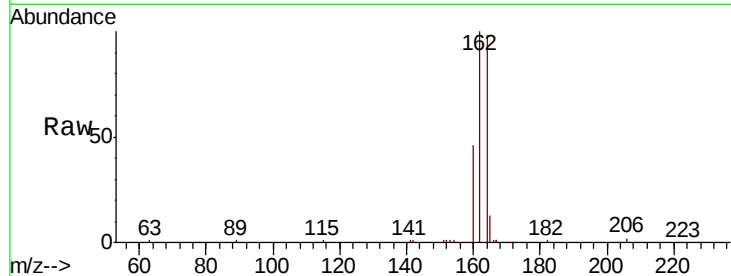
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.1	123.1
160	46.8	37.6	56.4

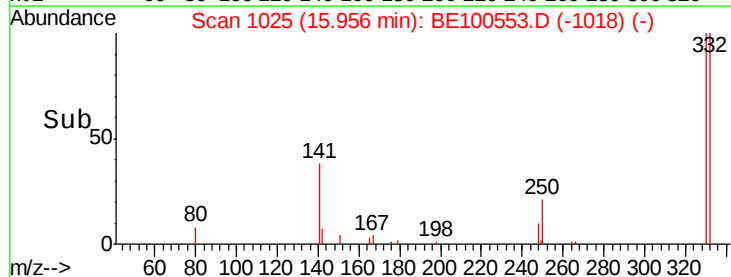
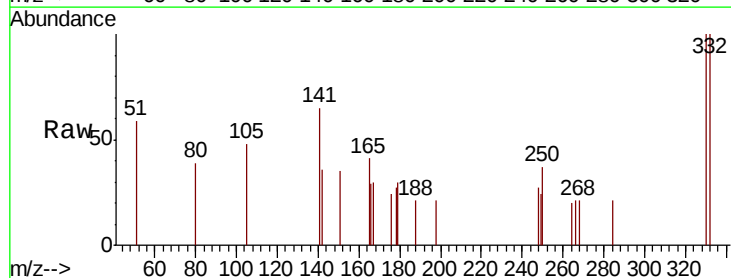
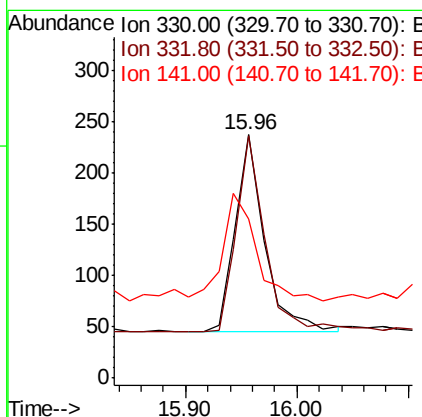
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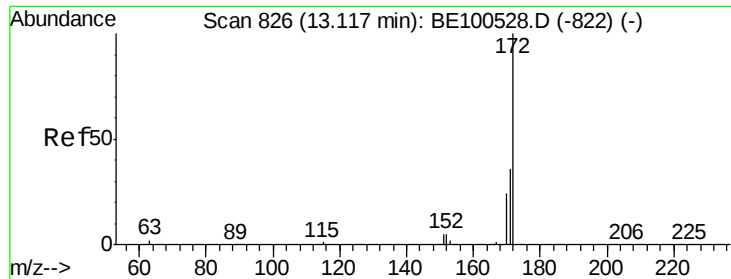
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#14
2,4,6-Tribromophenol
Concen: 0.129 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.7	75.5	113.3
141	61.7	42.3	63.5





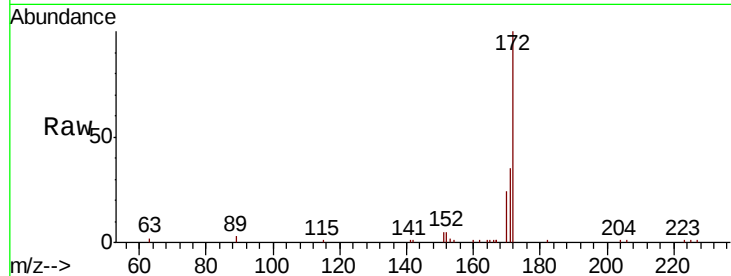
#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

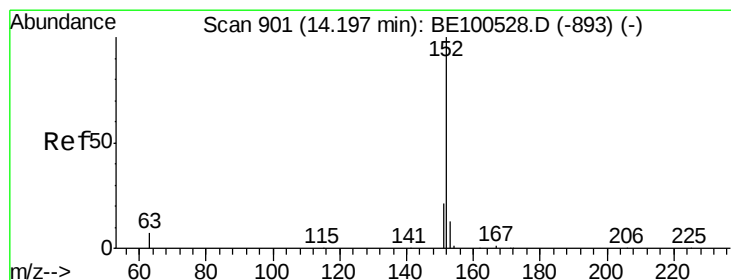
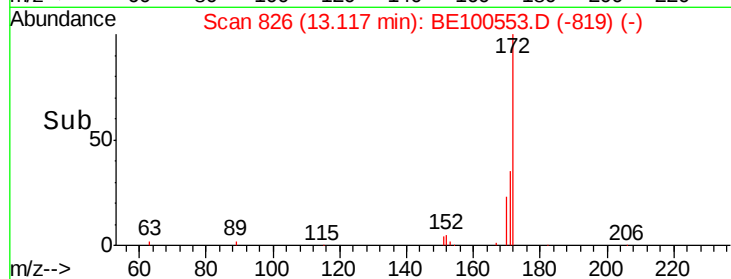
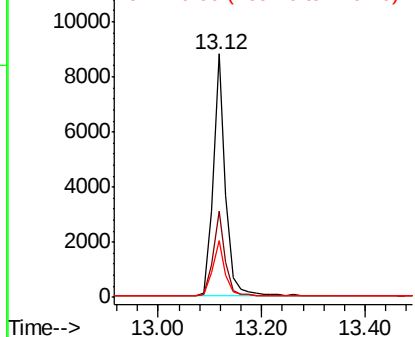
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.6	19.4	29.0

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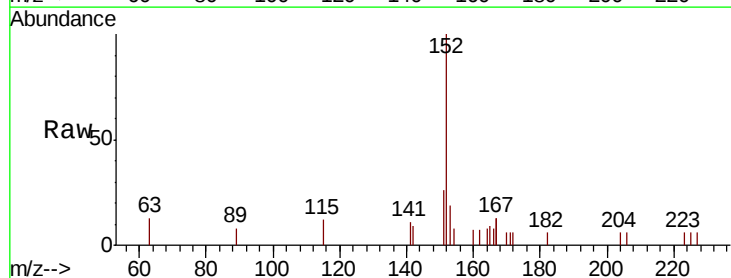


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

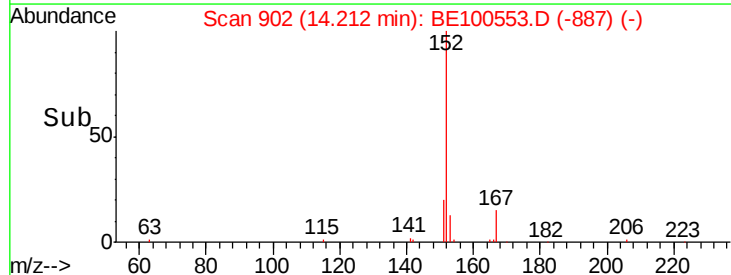
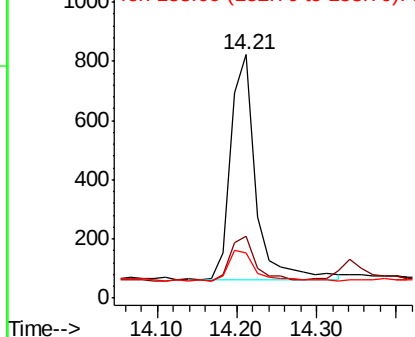


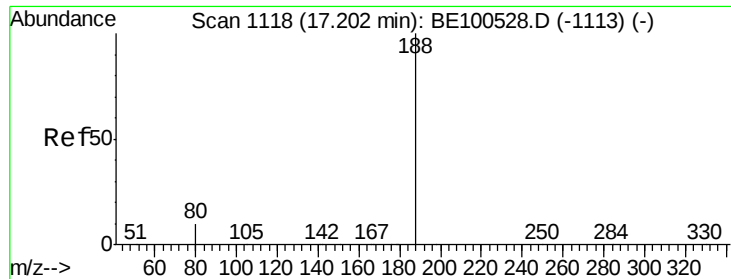
#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	15.9	23.9
153	13.7	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





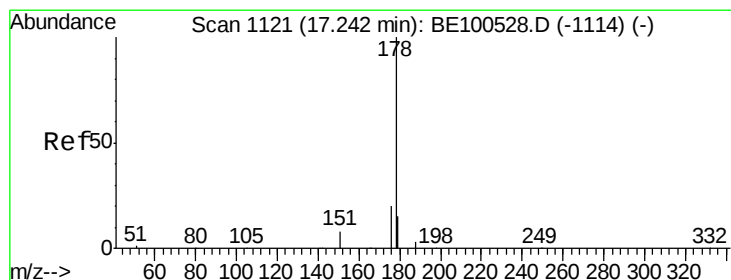
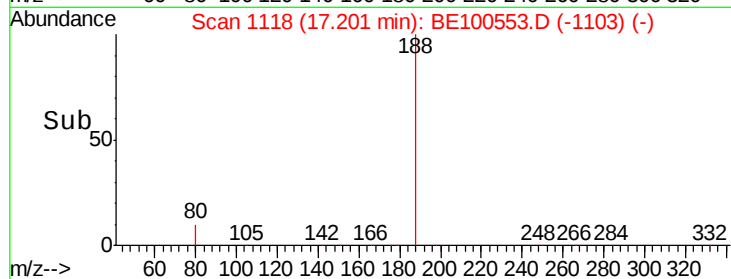
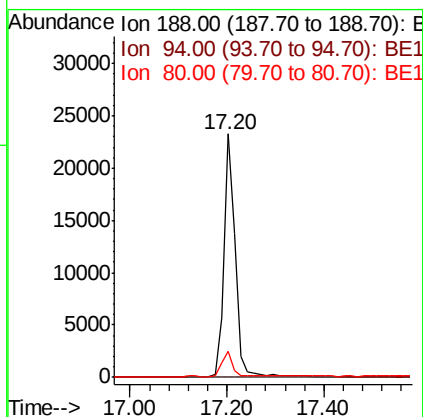
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	8.0	12.0

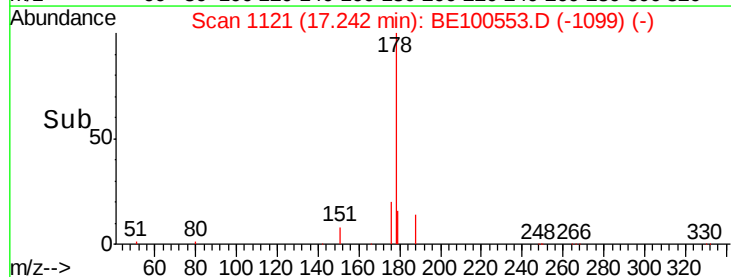
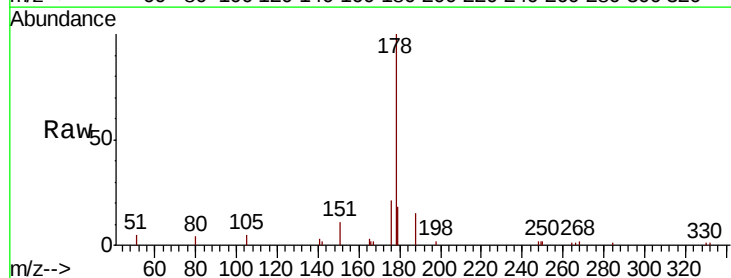
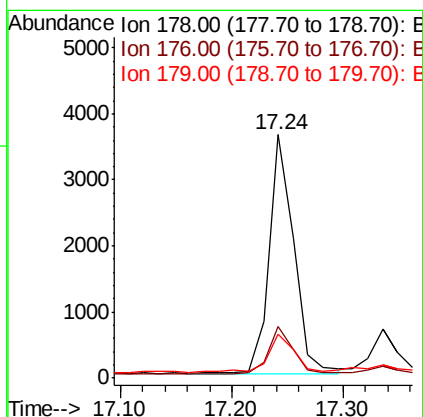
Manual Integrations
APPROVED

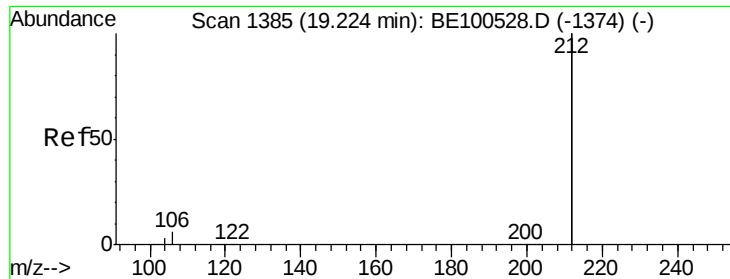
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#23
Phenanthrene
Concen: 0.053 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.4	23.2
179	16.7	12.6	18.8





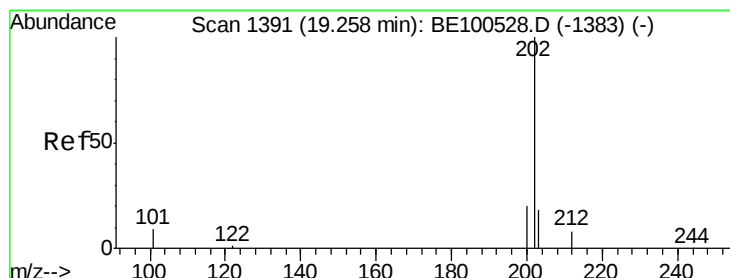
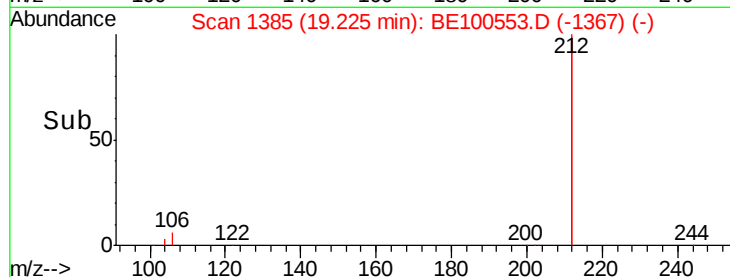
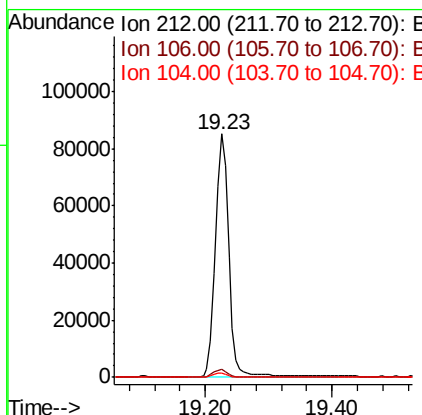
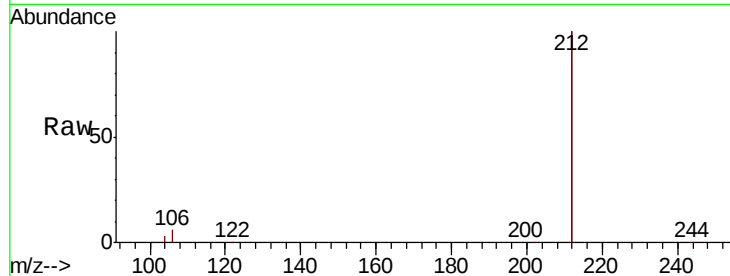
#25
Fluoranthene-d10
Concen: 0.274 ng
RT: 19.23 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Resp	Lower	Upper
212	100	122085		
106	3.0		2.3	3.5
104	1.7		1.3	1.9

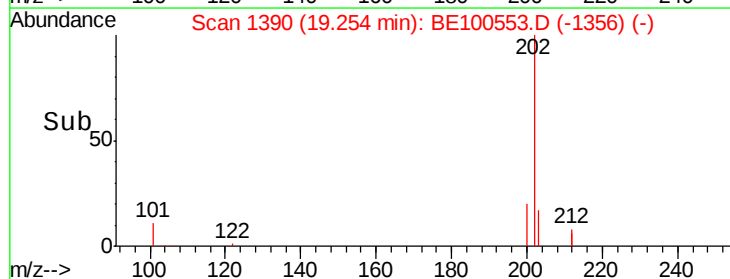
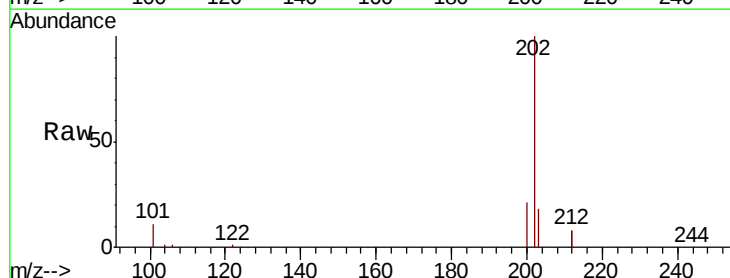
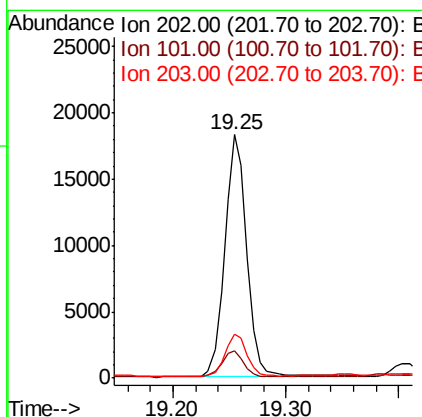
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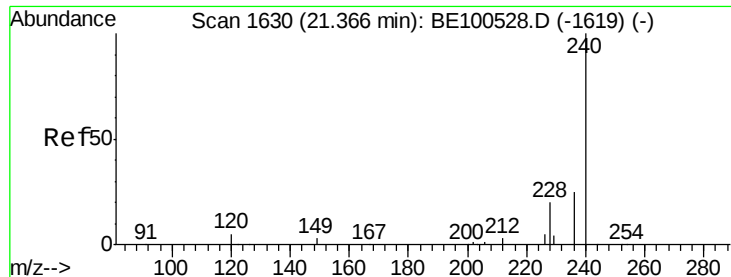
mohammad
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#26
Fluoranthene
Concen: 0.198 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	24926		
101	10.7		8.8	13.2
203	17.5		13.7	20.5





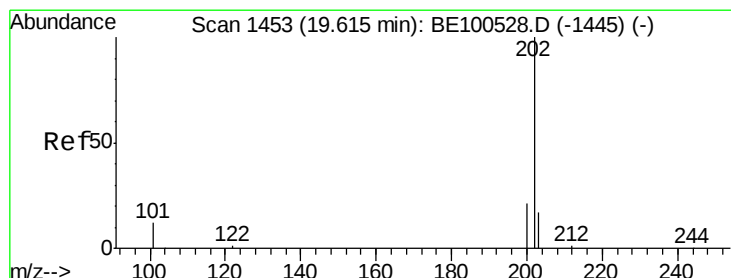
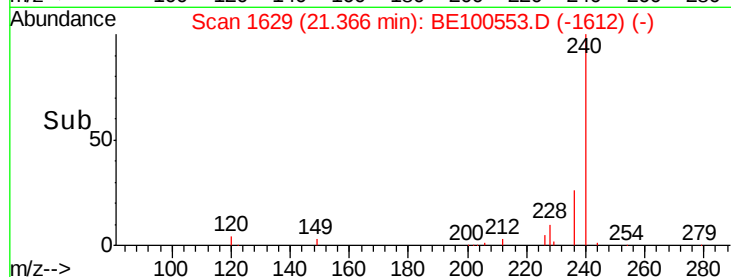
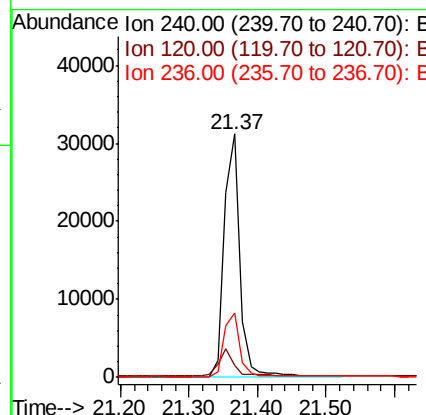
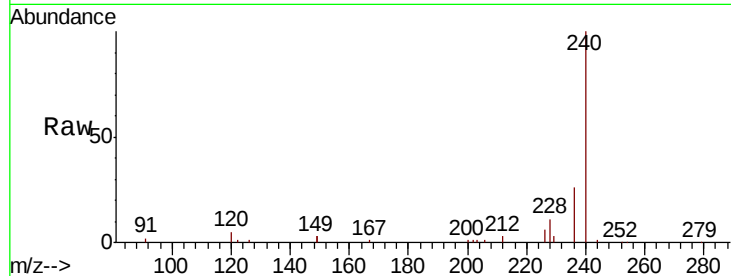
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.5	6.7
236	26.4	20.6	30.8

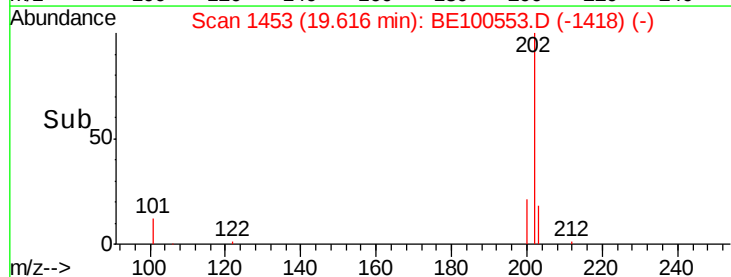
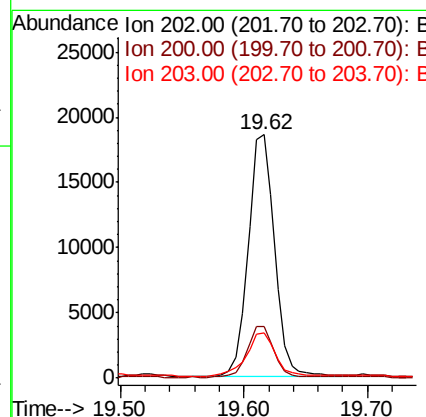
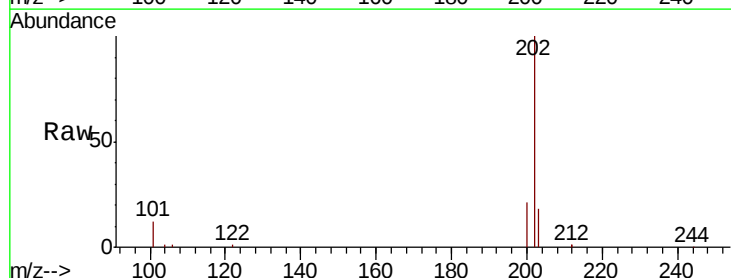
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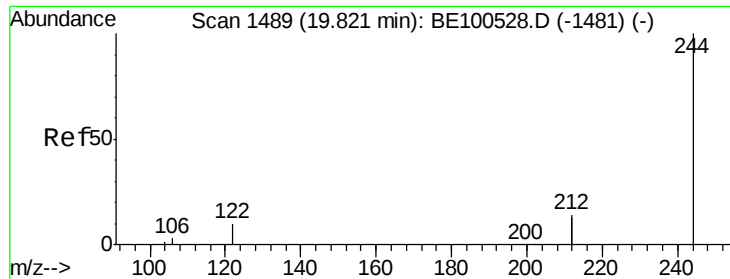
mohammad
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#28
Pyrene
Concen: 0.194 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	19.5	14.0	21.0





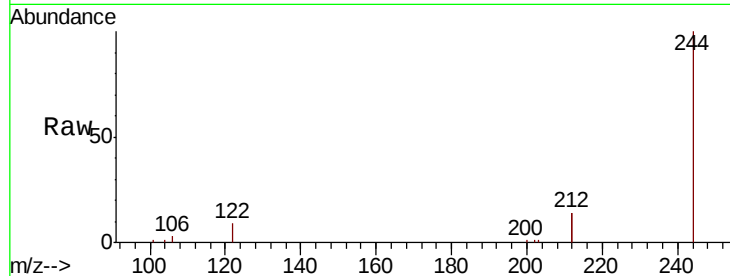
#29
Terphenyl-d14
Concen: 0.255 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	27.5	22.2	33.2
122	9.4	8.3	12.5

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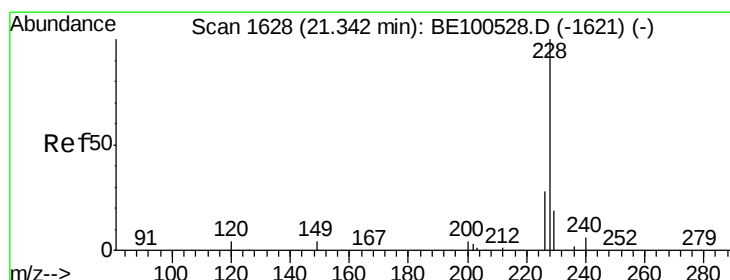
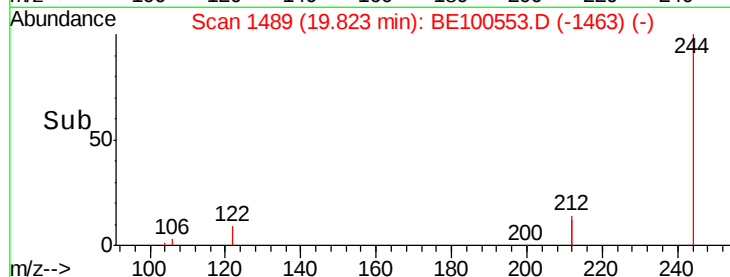
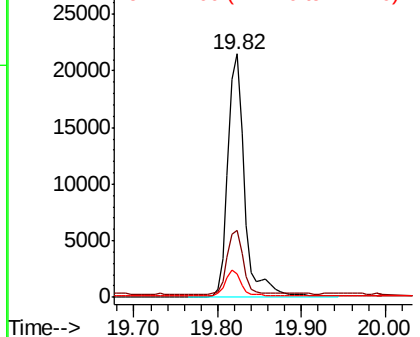


Abundance

Ion 244.00 (243.70 to 244.70): E

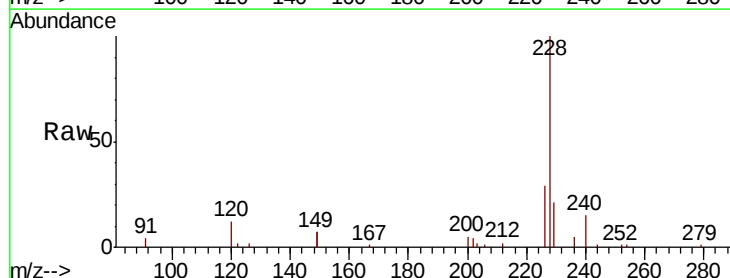
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30
Benzo(a)anthracene
Concen: 0.172 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	21.4	15.4	23.2

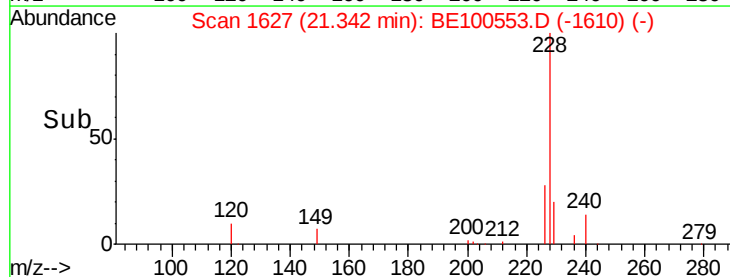
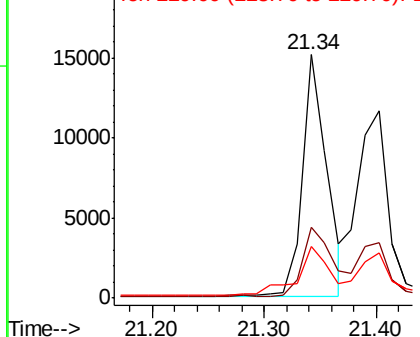


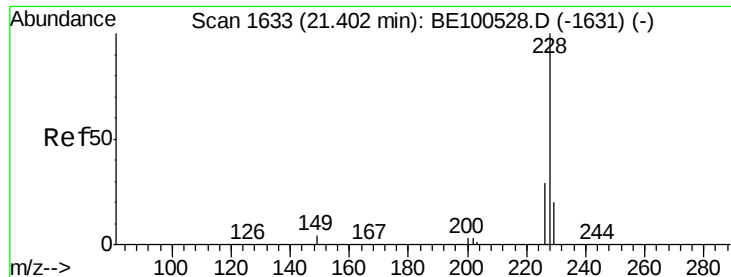
Abundance

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





#31

Chrysene

Concen: 0.143 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

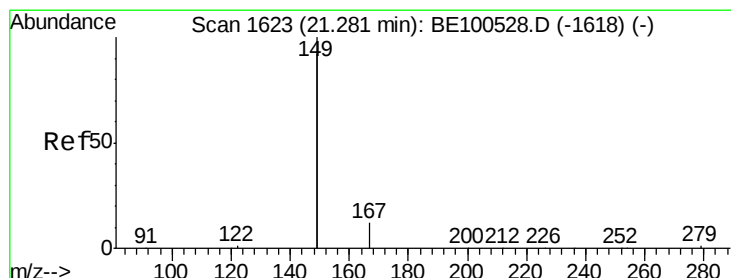
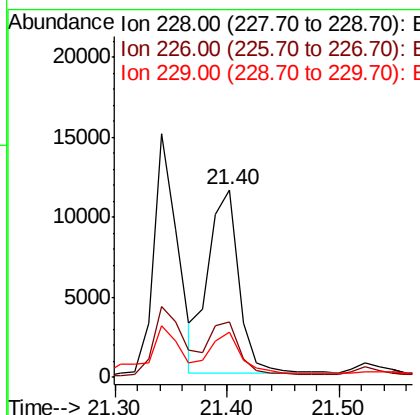
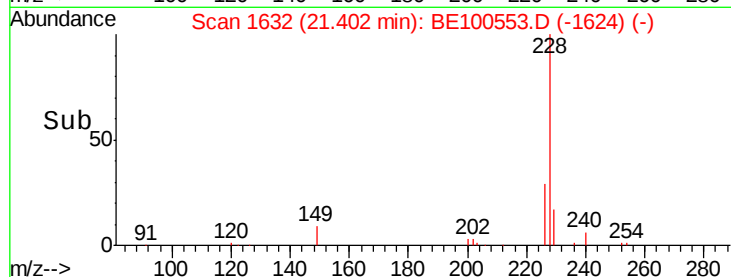
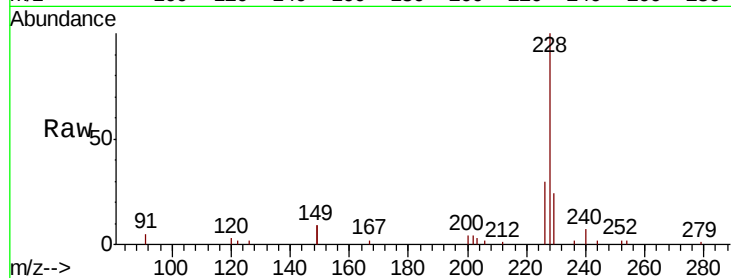
ClientSampleId :

EXT-SW177-091819-1

Tot Ion:	228	Resp:	21505
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.3	34.9
229	23.8	16.3	24.5

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

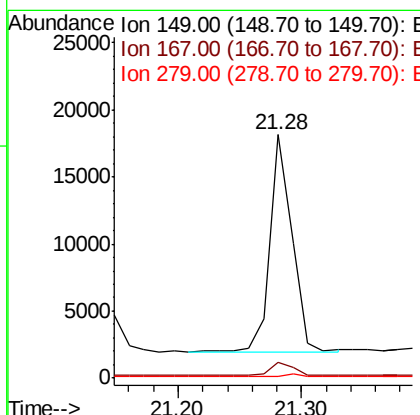
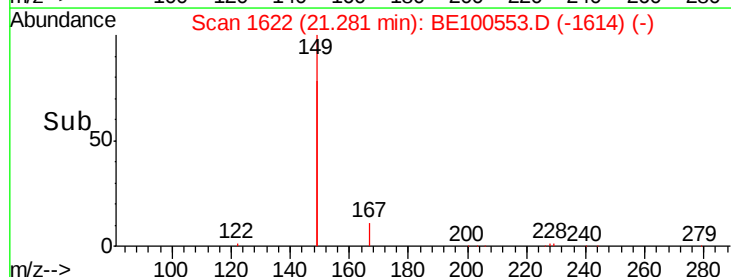
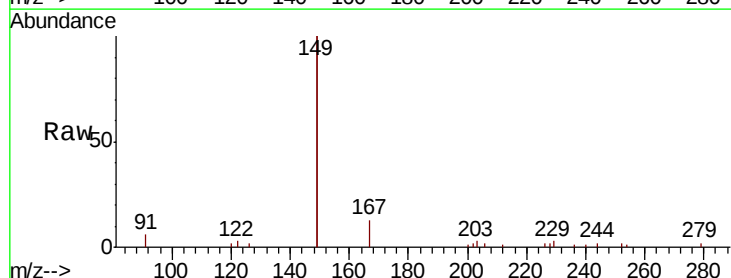
RT: 21.28 min Scan# 1622

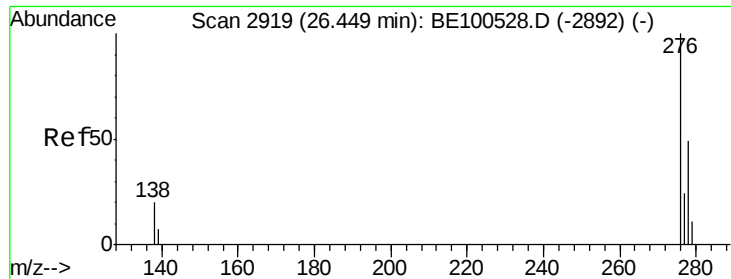
Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Tgt Ion:	149	Resp:	20173
Ion Ratio	Lower	Upper	
149	100		
167	6.6	5.2	7.8
279	1.4	1.0	1.4





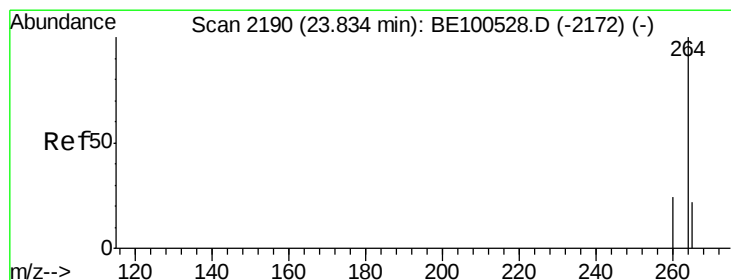
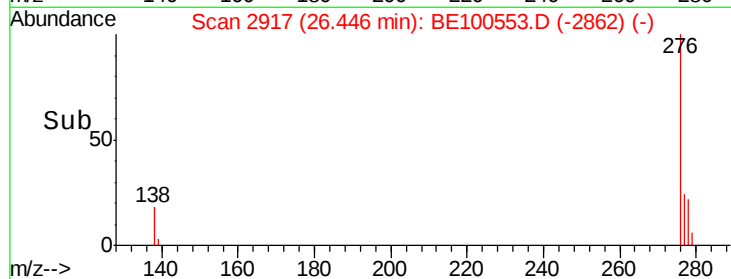
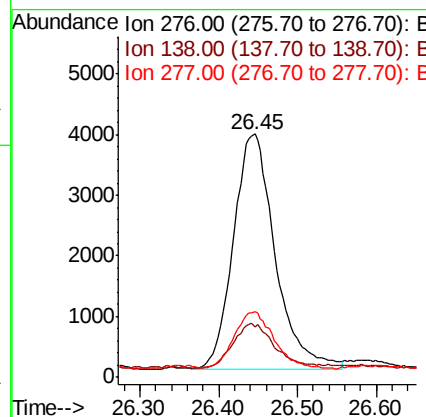
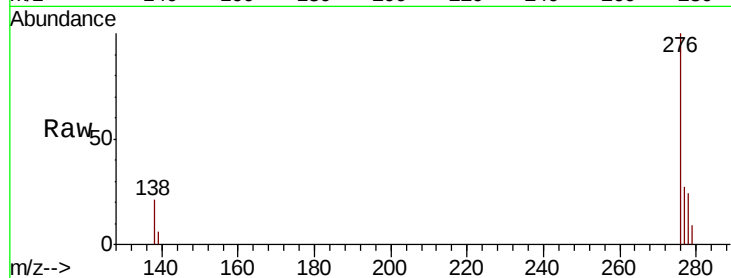
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.084 ng
RT: 26.45 min Scan# 2917
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	17.7	26.5
277	23.5	19.9	29.9

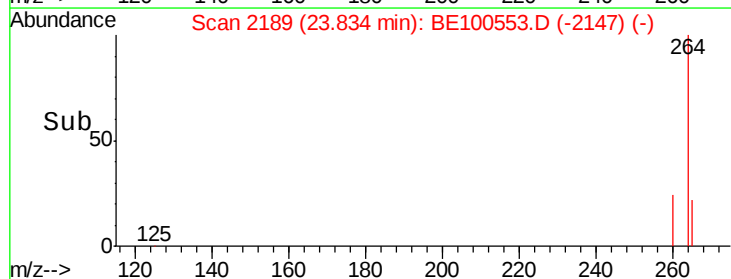
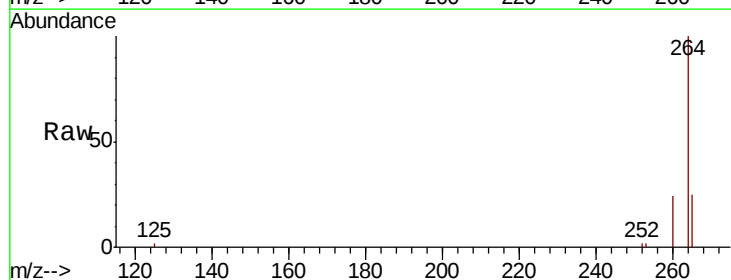
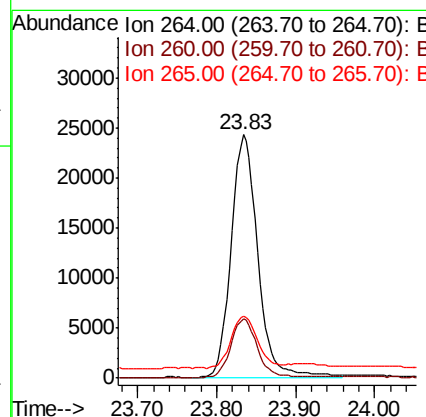
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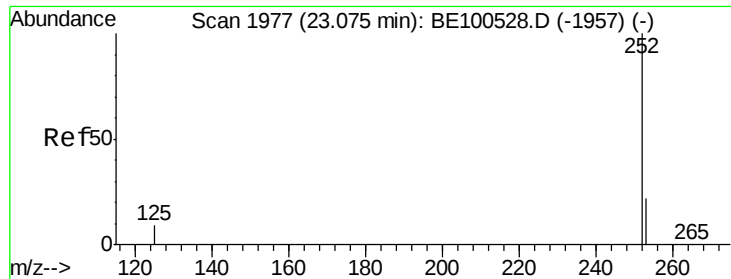
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	25.4	21.8	32.8





#35

Benzo(b)fluoranthene

Concen: 0.201 ng

RT: 23.08 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

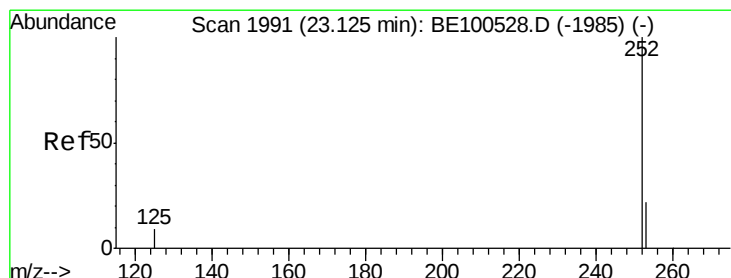
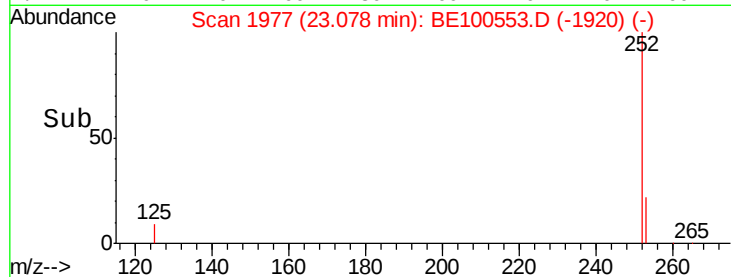
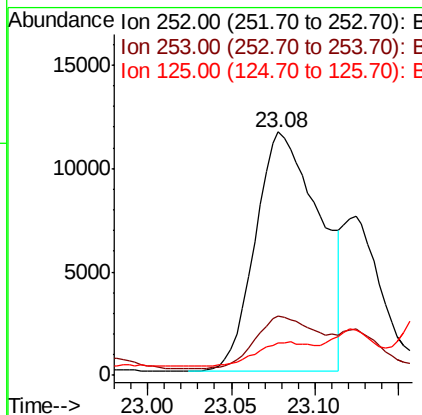
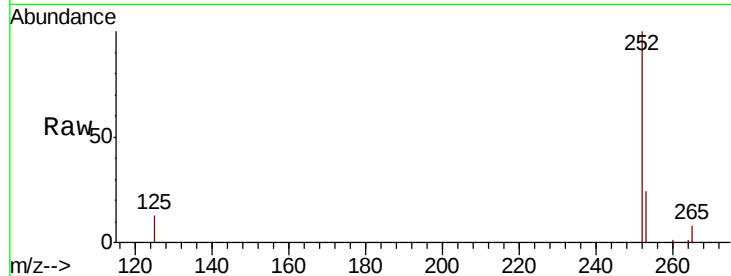
ClientSampleId :

EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	13.2	8.0	12.0

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#36

Benzo(k)fluoranthene

Concen: 0.065 ng m

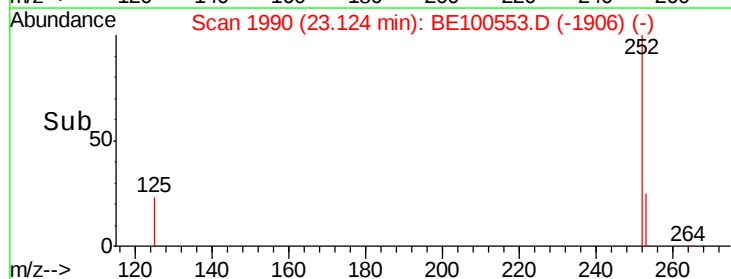
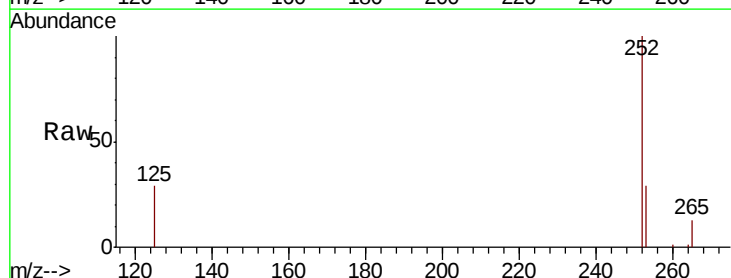
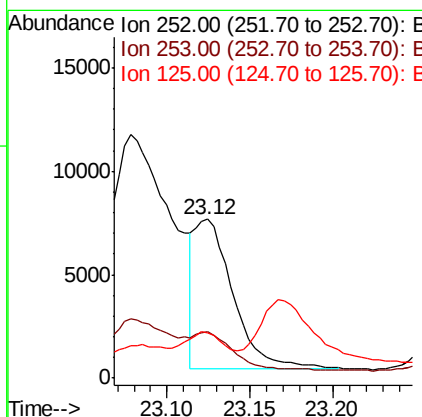
RT: 23.12 min Scan# 1990

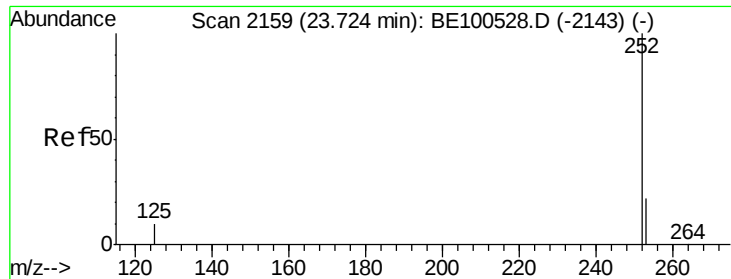
Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.9	26.9
125	28.8	8.5	12.7





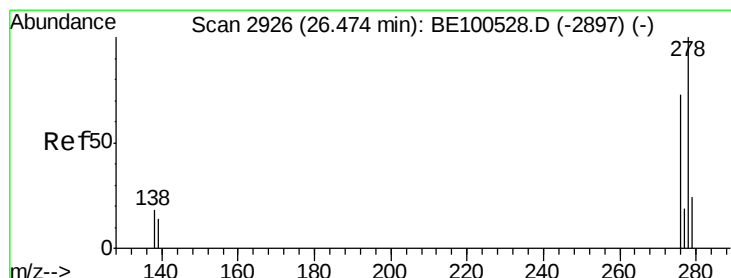
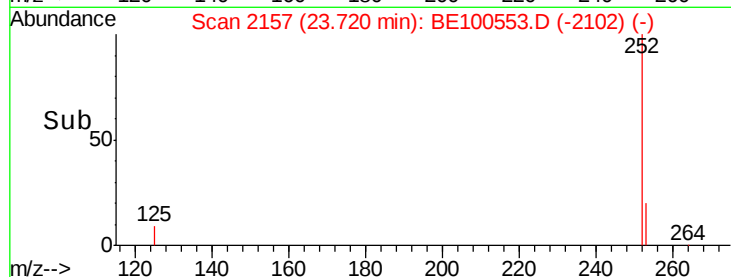
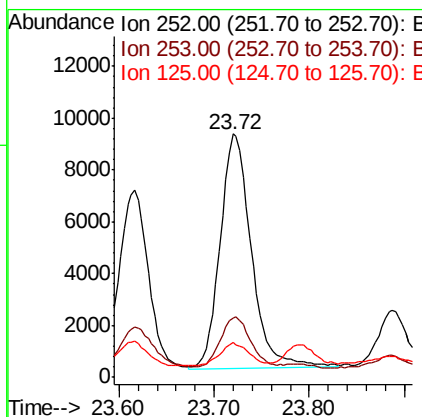
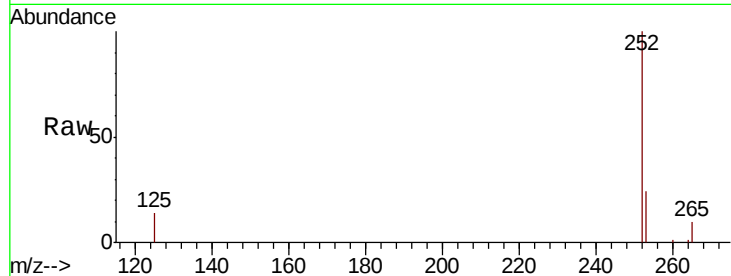
#37
Benzo(a)pyrene
Concen: 0.143 ng
RT: 23.72 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	14.3	9.2	13.8

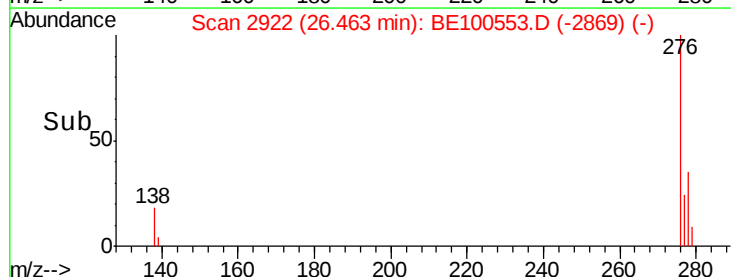
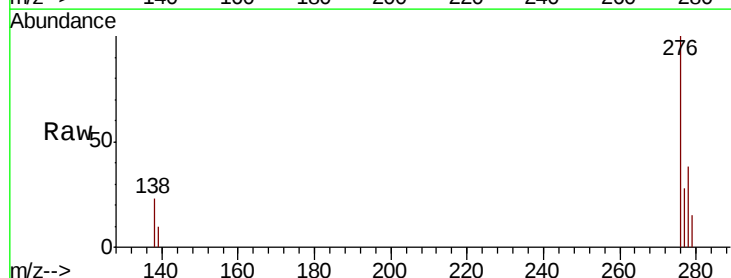
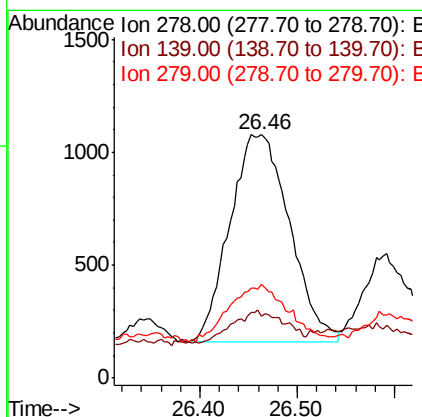
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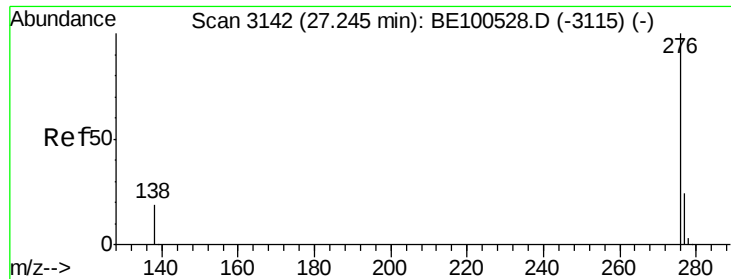
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#38
Dibenzo(a,h)anthracene
Concen: 0.026 ng
RT: 26.46 min Scan# 2922
Delta R.T. -0.01 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.5	11.6	17.4
279	38.3	19.7	29.5





#39

Benzo(a,h,i)perylene

Concen: 0.087 ng

RT: 27.24 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

EXT-SW177-091819-1

Tot Ion:	276	Resp:	13612
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.2	28.8
138	22.9	15.7	23.5

Manual Integrations
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