

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100793.D
 Acq On : 5 Dec 2019 17:39
 Operator : JU
 Sample : K6053-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW180-112519

Manual Integrations
 APPROVED

mohammad
 12/6/2019 3:02:43 PM

Quant Time: Dec 05 18:20:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 04 17:18:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	6044	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	27905	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	16705	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	40805	0.40	ng	-0.01
27) Chrysene-d12	21.30	240	42349	0.40	ng	0.00
34) Perylene-d12	23.76	264	49908	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	5417	0.38	ng	0.00
5) Phenol-d6	6.93	99	9200	0.42	ng	0.00
8) Nitrobenzene-d5	8.90	82	5997	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	10748	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1468	0.79	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	15044	0.23	ng	0.00
25) Fluoranthene-d10	19.16	212	121489	0.25	ng	0.00
29) Terphenyl-d14	19.77	244	23463	0.23	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.59	128	27185	0.092	ng	99
12) 2-Methylnaphthalene	12.21	142	6359	0.137	ng	97
16) Acenaphthylene	14.11	152	31033	0.449	ng	99
17) Acenaphthene	14.46	154	4049	0.085	ng	97
18) Fluorene	15.43	166	30110m	0.490	ng	
23) Phenanthrene	17.16	178	423763	3.429	ng	100
24) Anthracene	17.25	178	101183	0.979	ng	# 92
26) Fluoranthene	19.19	202	484338	3.283	ng	99
28) Pyrene	19.55	202	412461	2.998	ng	# 95
30) Benzo(a)anthracene	21.29	228	284362	2.278	ng	94
31) Chrysene	21.34	228	232464m	1.585	ng	
32) Bis(2-ethylhexyl)phthalate	21.24	149	69991	0.769	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.33	276	78051	0.611	ng	98
35) Benzo(b)fluoranthene	23.01	252	229567	1.680	ng	96
36) Benzo(k)fluoranthene	23.05	252	83891m	0.547	ng	
37) Benzo(a)pyrene	23.64	252	166875	1.411	ng	98
38) Dibenzo(a,h)anthracene	26.35	278	26854	0.228	ng	# 78
39) Benzo(a,h,i)perylene	27.12	276	67871	0.539	ng	96

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

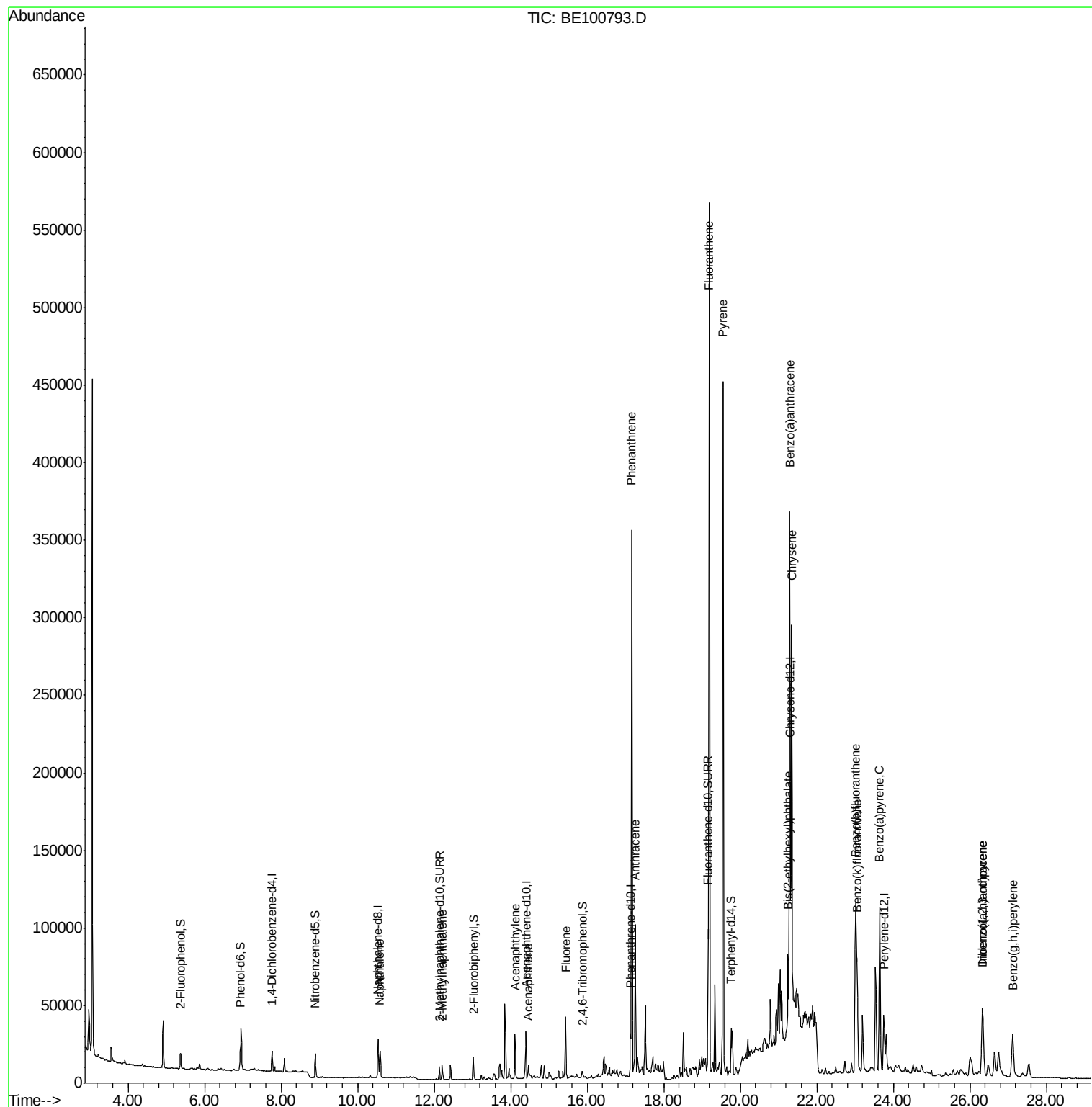
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100793.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

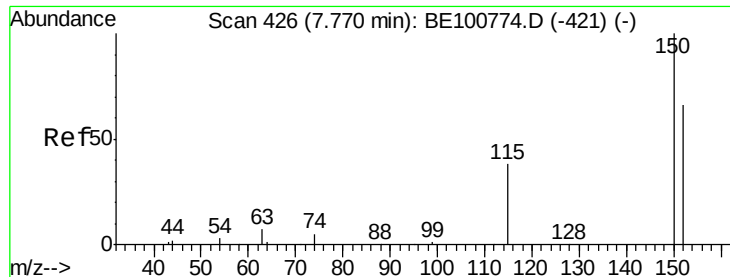
Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

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Quant Time: Dec 05 18:20:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

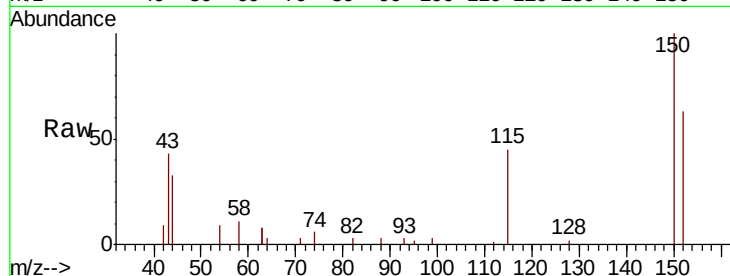
ClientSampleId :

EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	120.6	181.0
115	71.9	47.4	71.2#

Manual Integrations
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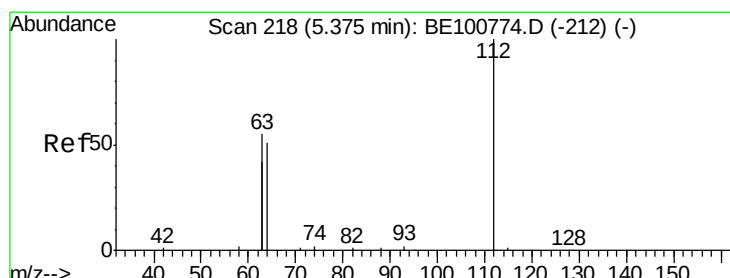
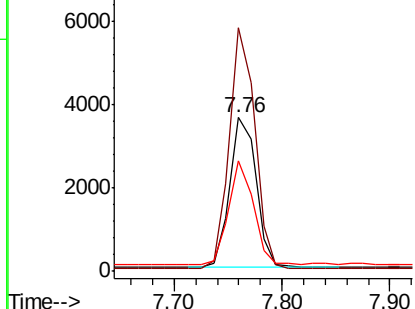
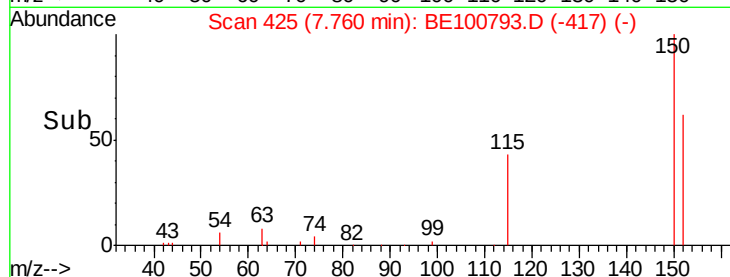


Abundance

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: 0.378 ng

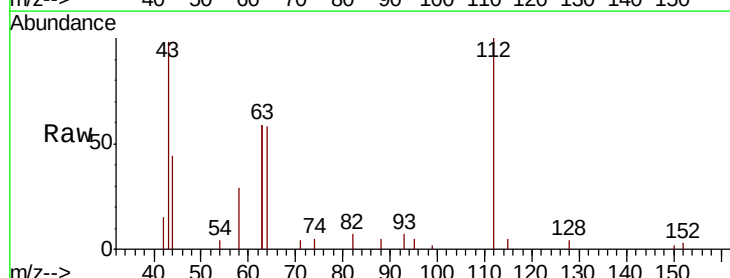
RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	54.1	81.1
63	144.1	113.2	169.8

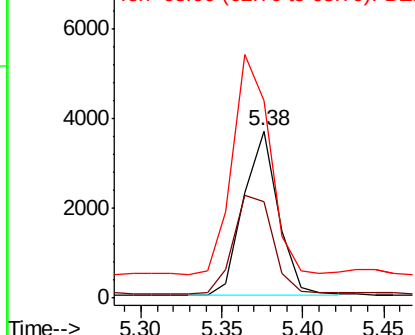
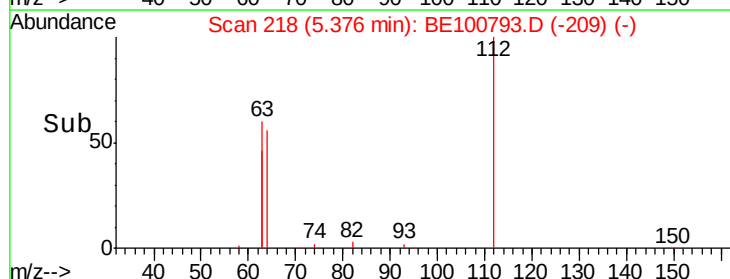


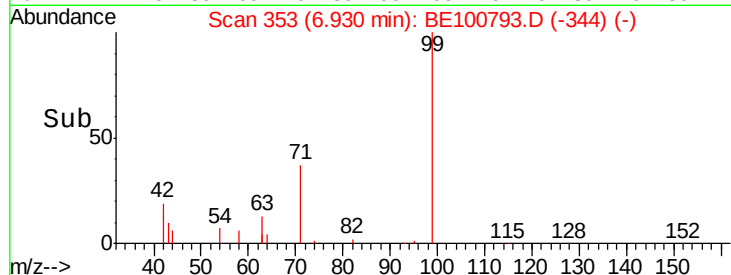
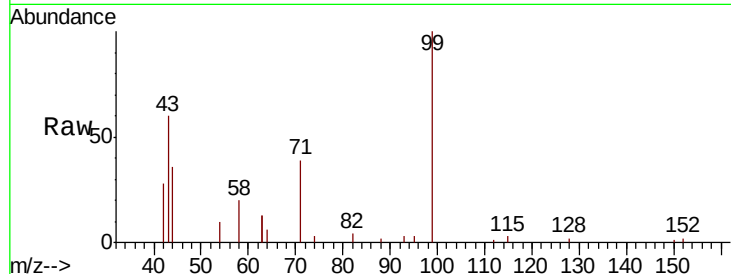
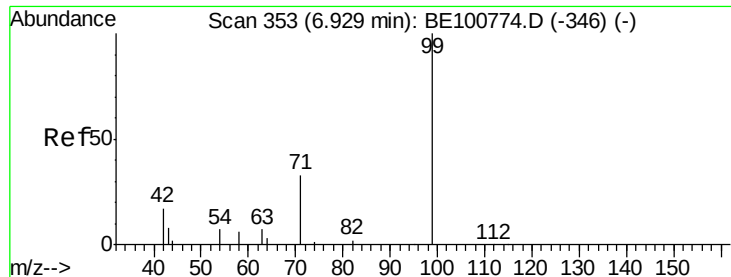
Abundance

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: 0.425 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tot Ion:	99	Resp:	9200
Ion Ratio	Lower	Upper	
99	100		
42	35.3	19.1	28.7#
71	36.4	27.7	41.5

Instrument :

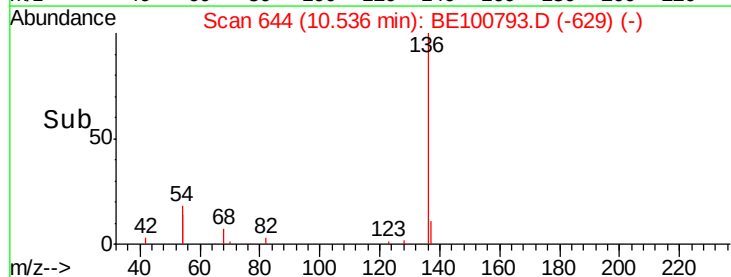
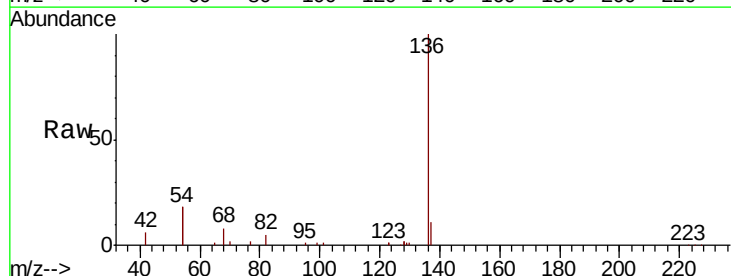
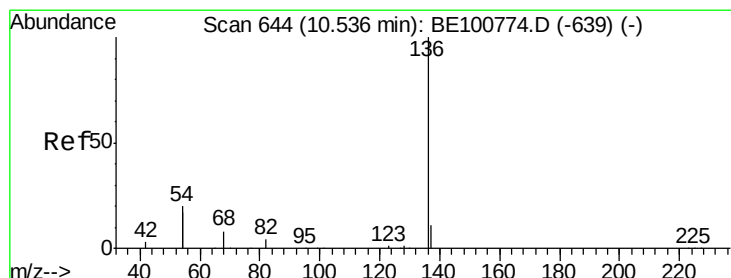
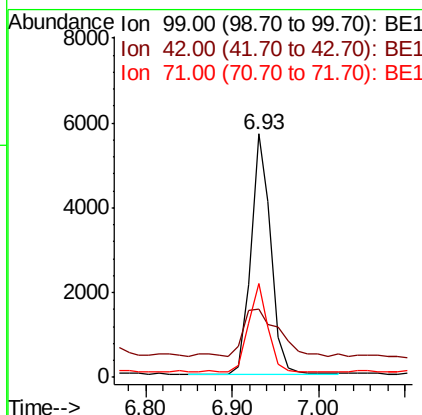
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ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

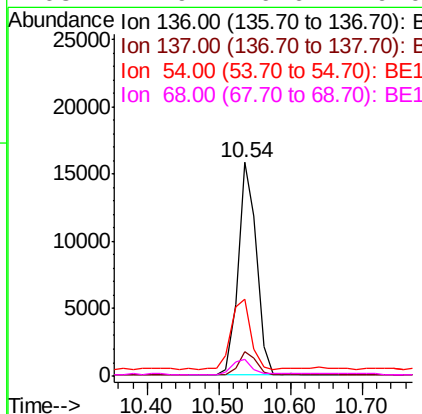
RT: 10.54 min Scan# 644

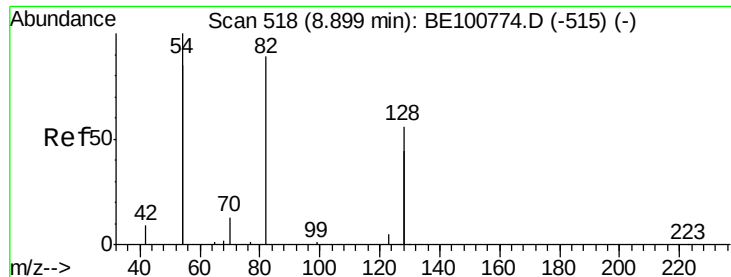
Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tgt Ion:	136	Resp:	27905
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	36.2	31.1	46.7
68	7.9	6.6	10.0





#8

Nitrobenzene-d5

Concen: 0.451 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

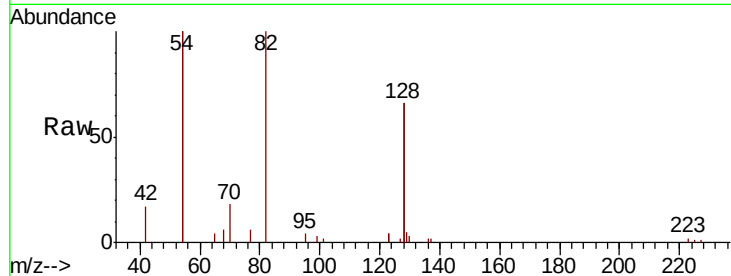
ClientSampleId :

EXT-029-SW180-112519

Tot Ion:	82	Resp:	5997
Ion	Ratio	Lower	Upper
82	100		
128	132.1	97.0	145.4
54	200.2	171.8	257.6

Manual Integrations
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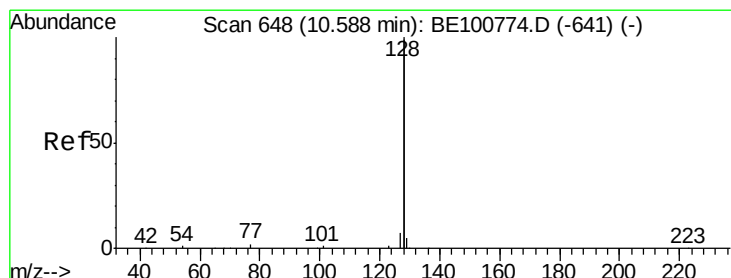
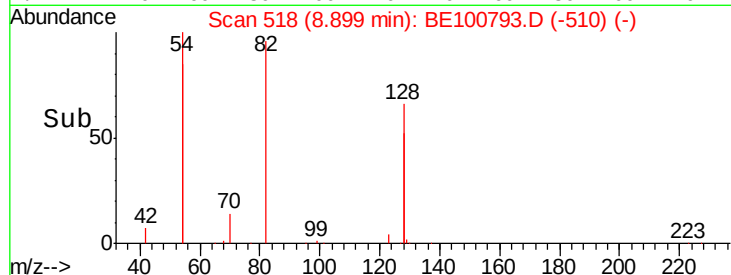
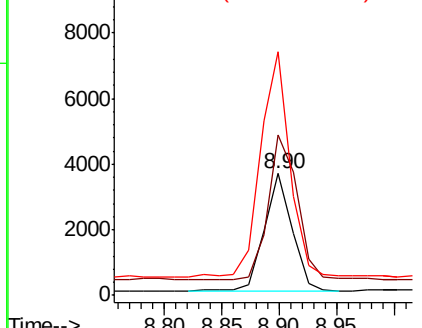


Abundance

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



#9

Naphthalene

Concen: 0.092 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

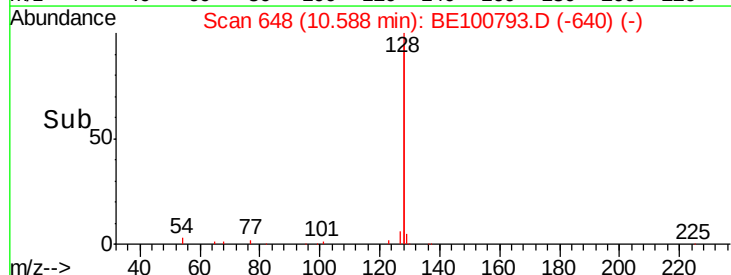
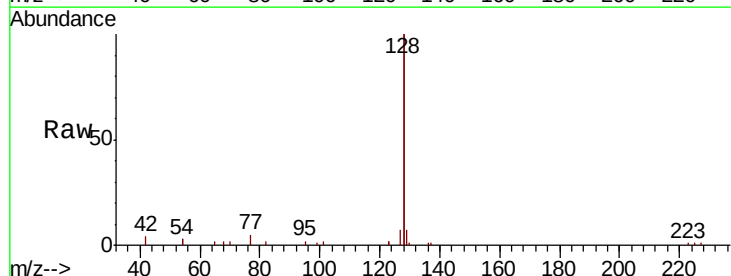
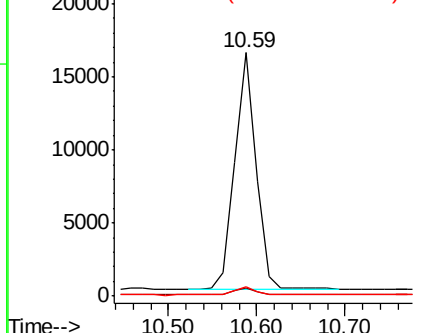
Tgt Ion:	128	Resp:	27185
Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.2	3.4
127	3.7	2.7	4.1

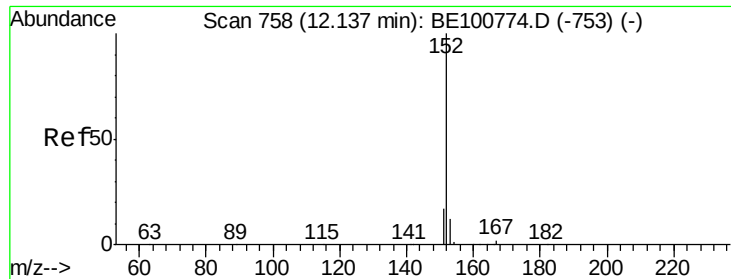
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





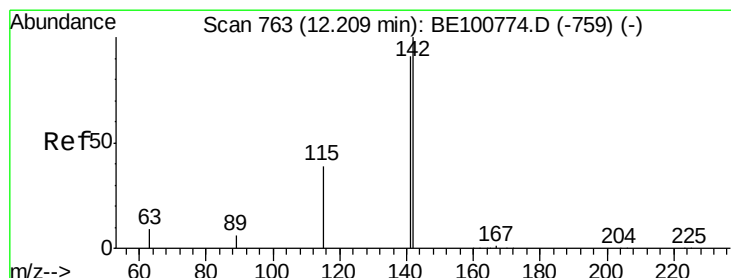
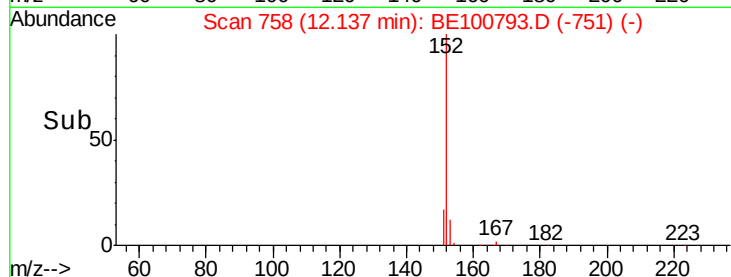
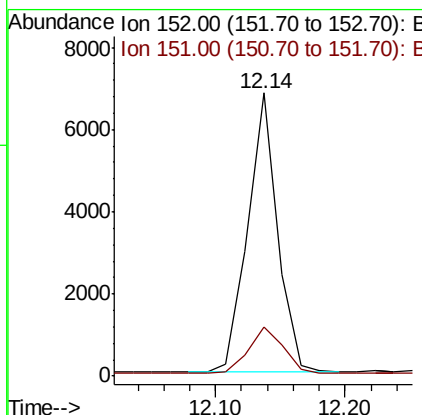
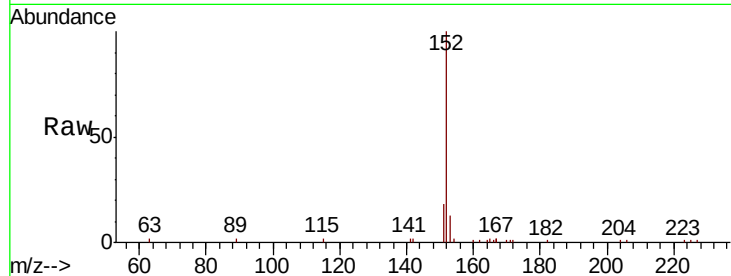
#11
 2-Methylnaphthalene-d10
 Concen: 0.266 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BE100793.D
 Acq: 5 Dec 2019 17:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.8

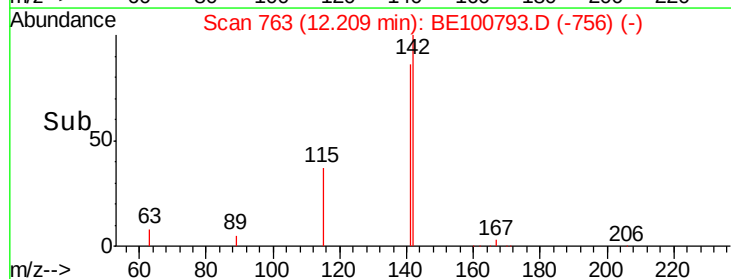
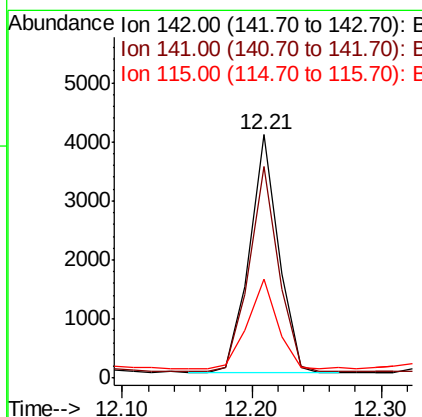
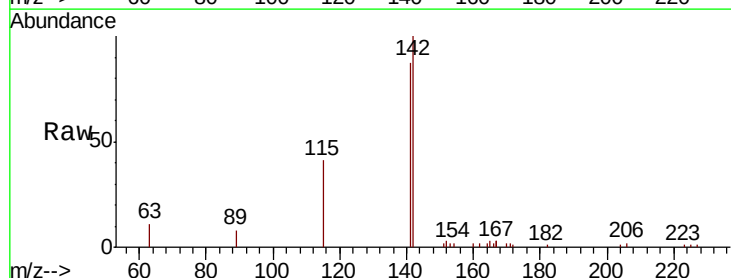
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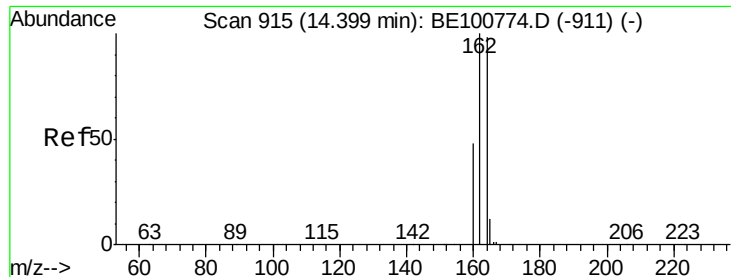
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#12
 2-Methylnaphthalene
 Concen: 0.137 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE100793.D
 Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	72.6	108.8
115	40.5	31.8	47.6





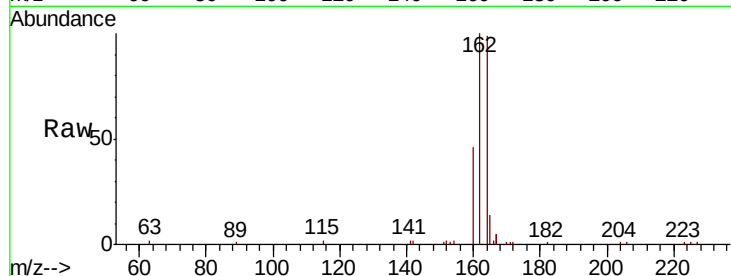
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.4	122.0
160	46.9	39.4	59.0

Manual Integrations
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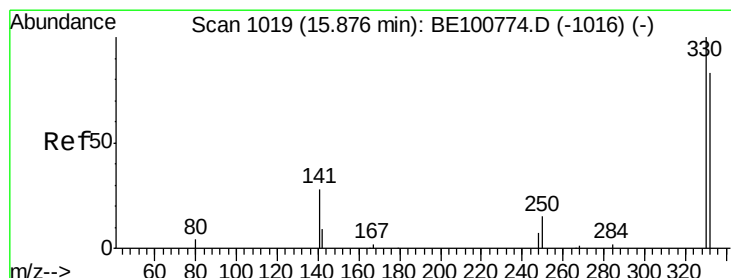
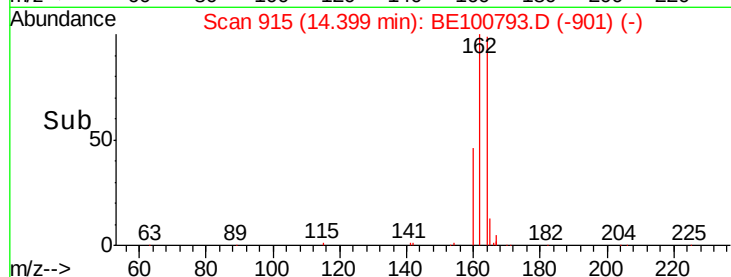
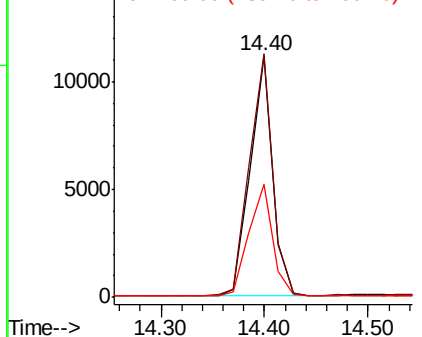


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.790 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

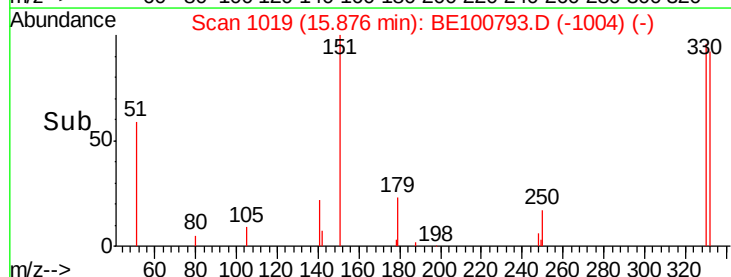
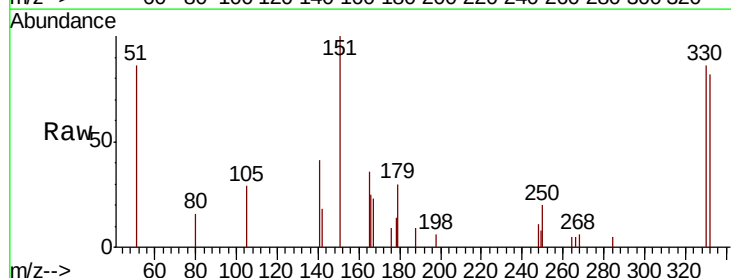
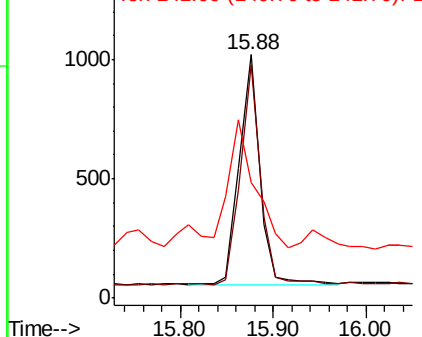
Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.1	69.4	104.2
141	84.3	51.1	76.7#

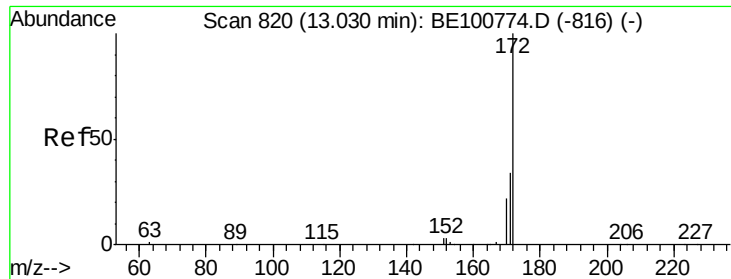
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





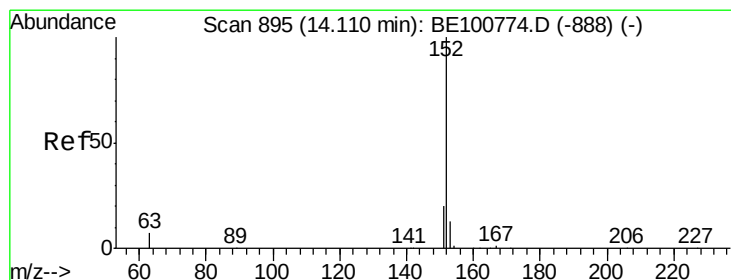
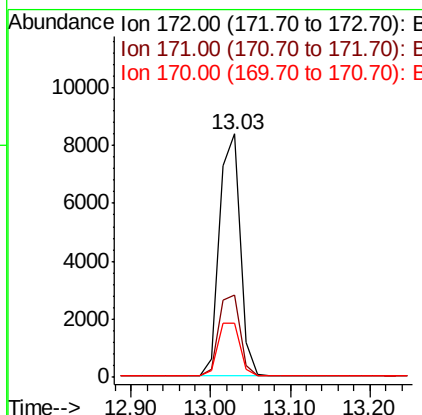
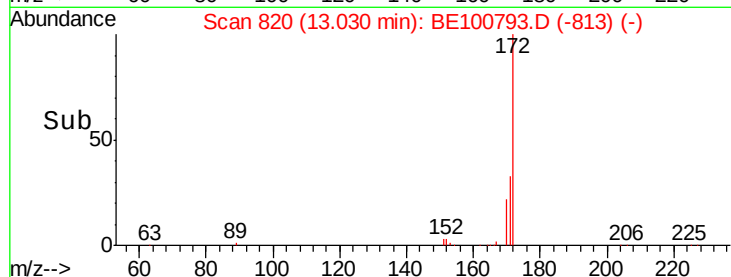
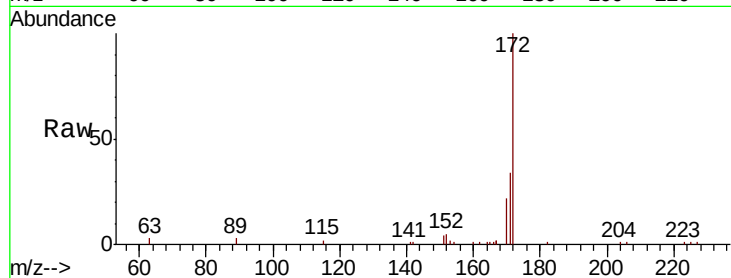
#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.2	40.8
170	22.2	18.0	27.0

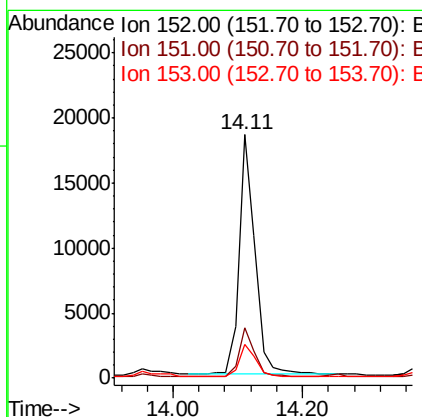
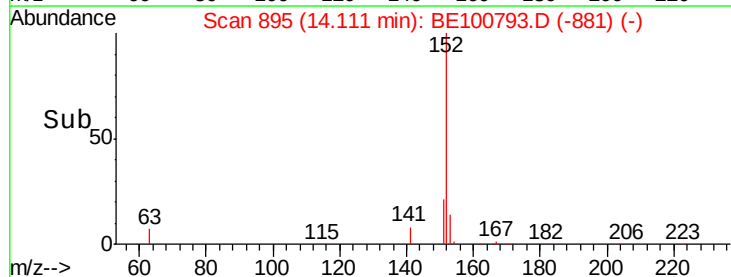
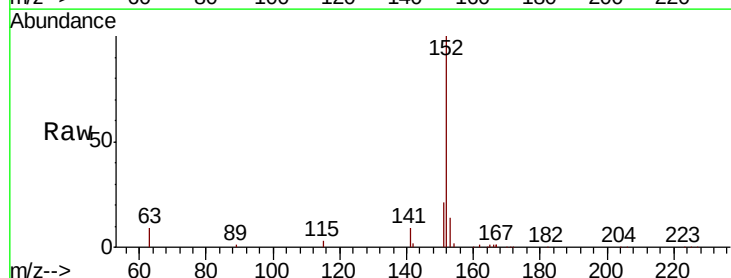
Manual Integrations
APPROVED

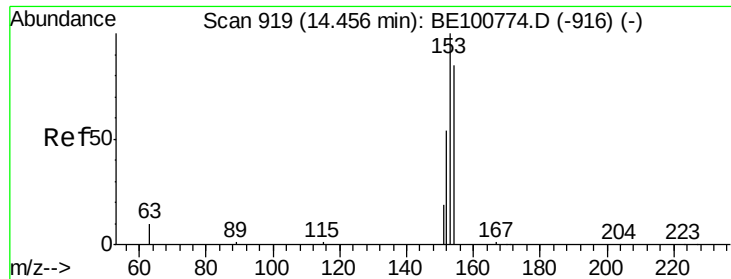
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#16
Acenaphthylene
Concen: 0.449 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	14.0	10.4	15.6





#17

Acenaphthene

Concen: 0.085 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

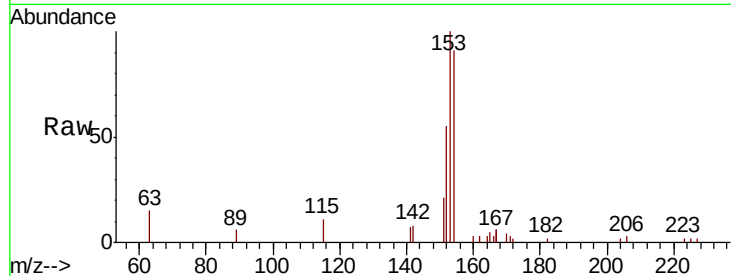
ClientSampleId :

EXT-029-SW180-112519

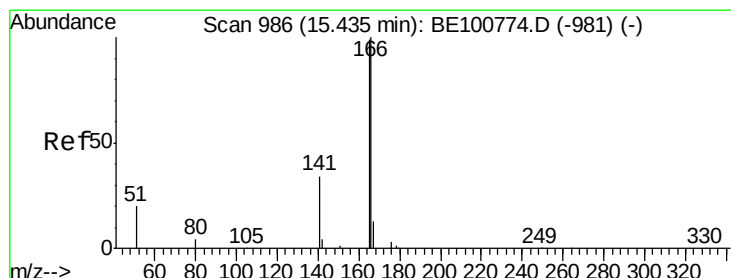
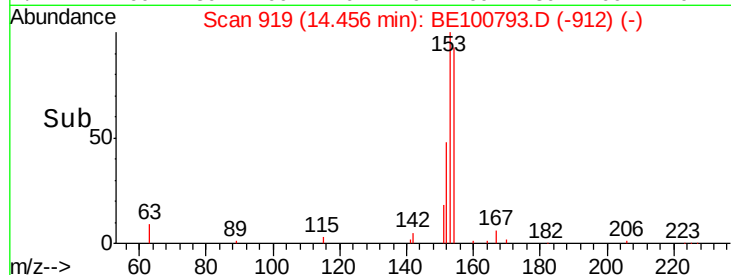
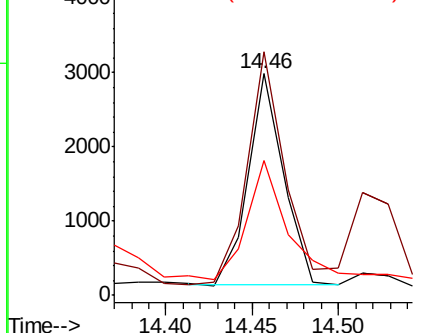
Tot Ion:	154	Resp:	4049
Ion	Ratio	Lower	Upper
154	100		
153	116.7	92.2	138.2
152	66.0	49.1	73.7

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12/6/2019 3:02:43 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.490 ng m

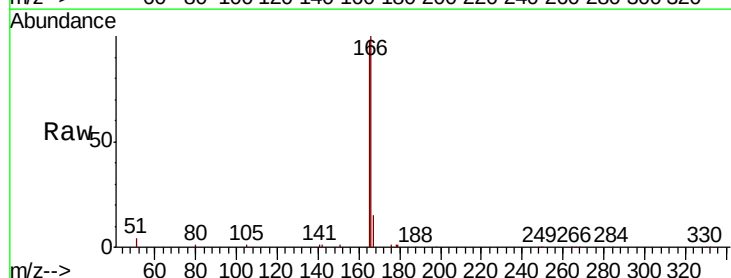
RT: 15.43 min Scan# 986

Delta R.T. -0.00 min

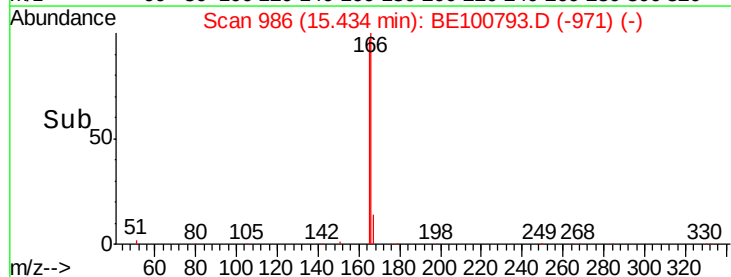
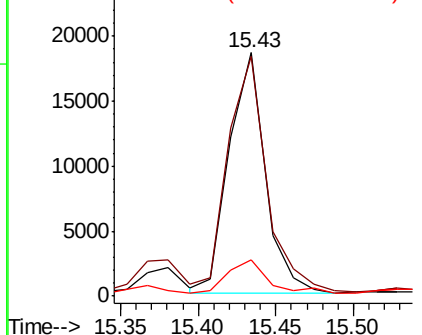
Lab File: BE100793.D

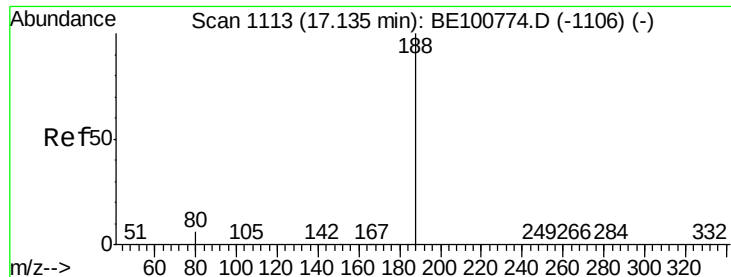
Acq: 5 Dec 2019 17:39

Tgt Ion:	166	Resp:	30110
Ion	Ratio	Lower	Upper
166	100		
165	103.3	80.5	120.7
167	15.7	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





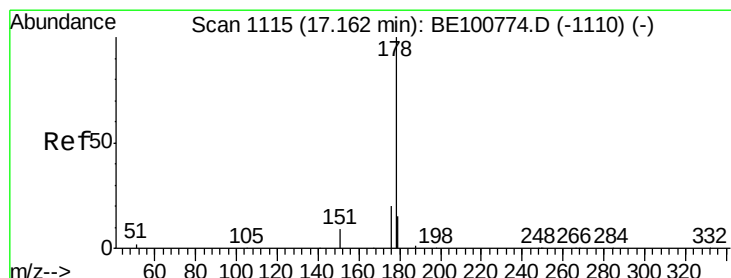
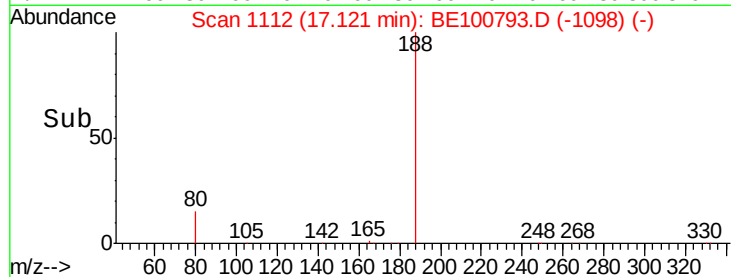
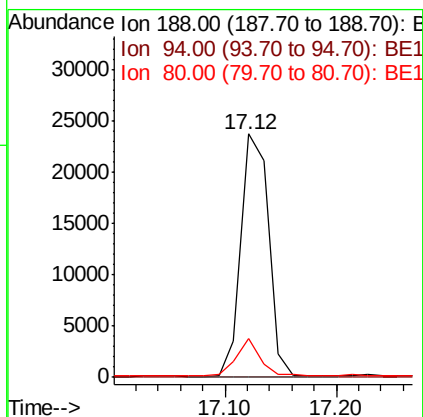
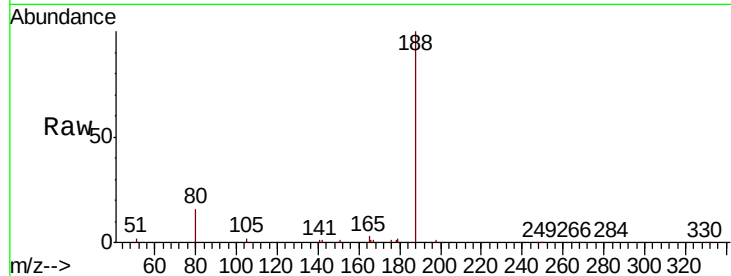
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.2	5.2	7.8#

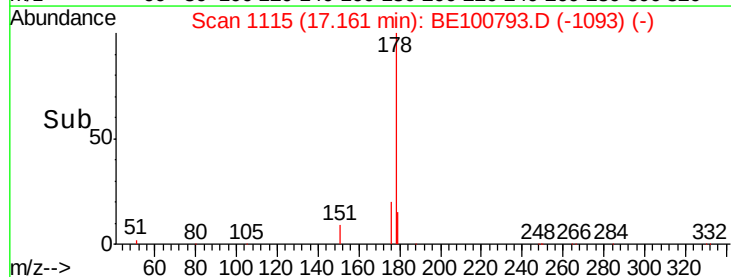
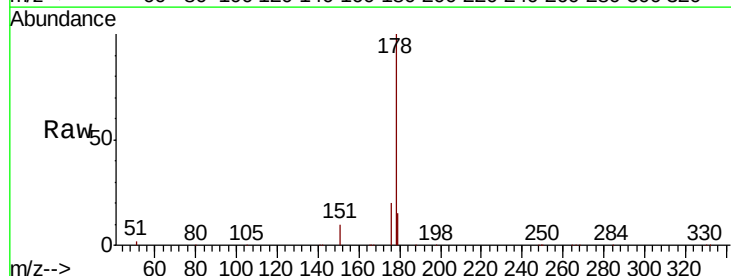
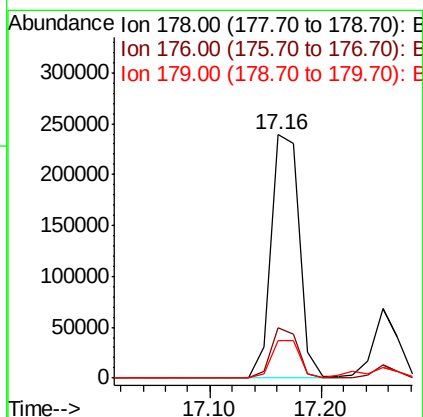
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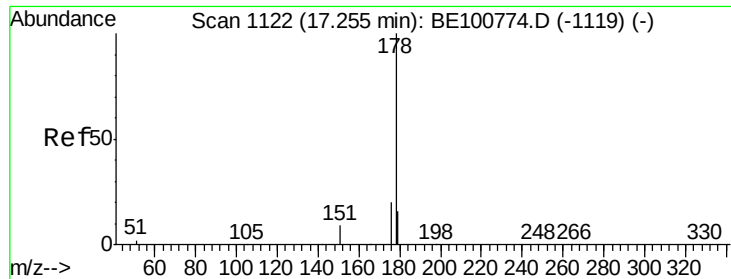
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#23
Phenanthrene
Concen: 3.429 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.3	18.5





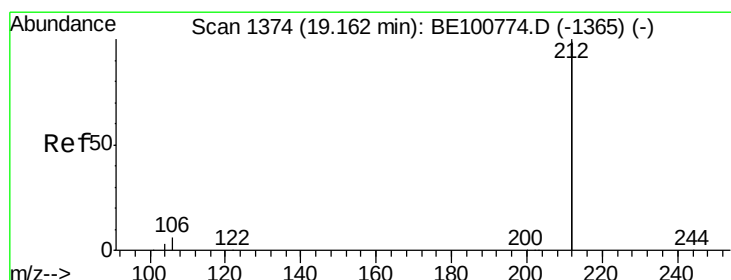
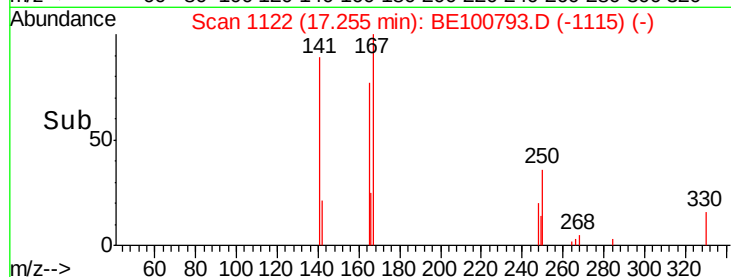
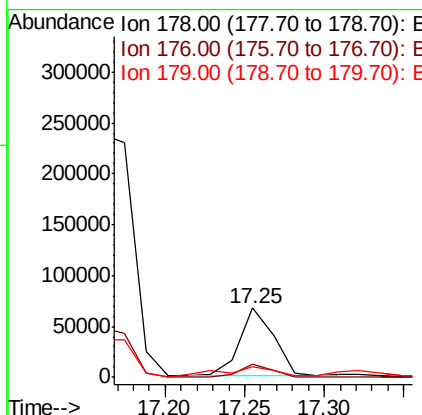
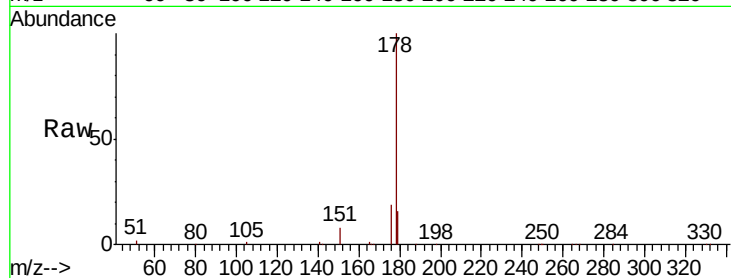
#24
 Anthracene
 Concen: 0.979 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BE100793.D
 Acq: 5 Dec 2019 17:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	23.3	12.7	19.1

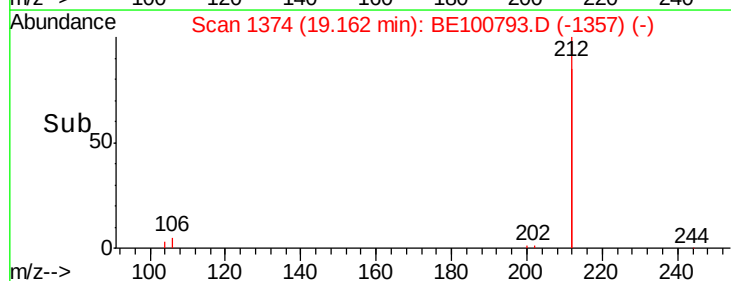
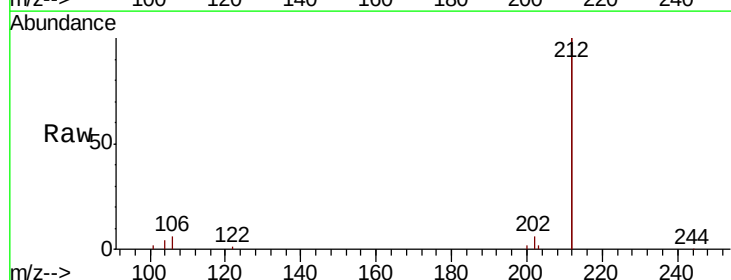
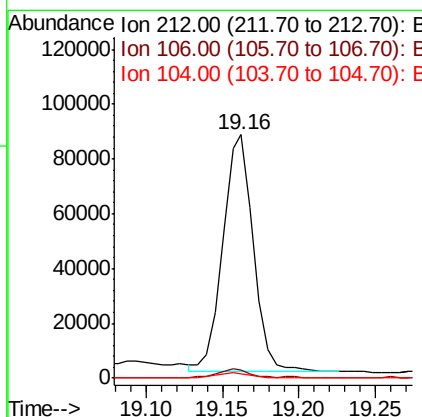
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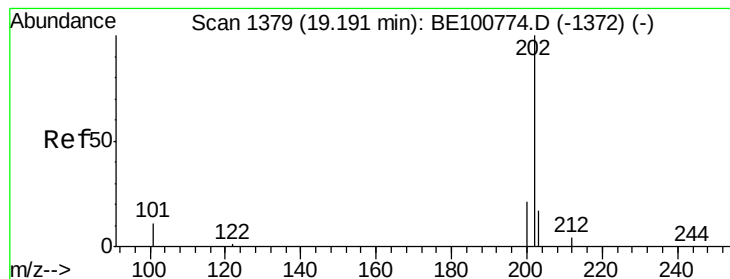
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#25
 Fluoranthene-d10
 Concen: 0.252 ng
 RT: 19.16 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE100793.D
 Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	2.0	1.4	2.2





#26

Fluoranthene

Concen: 3.283 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

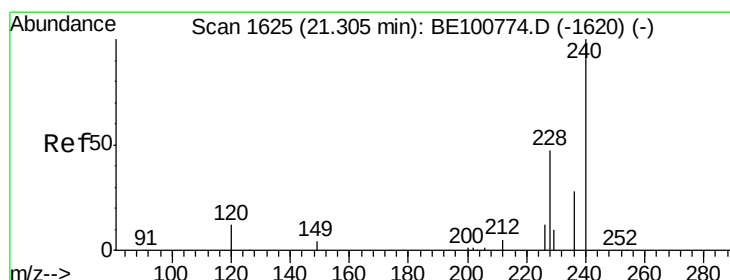
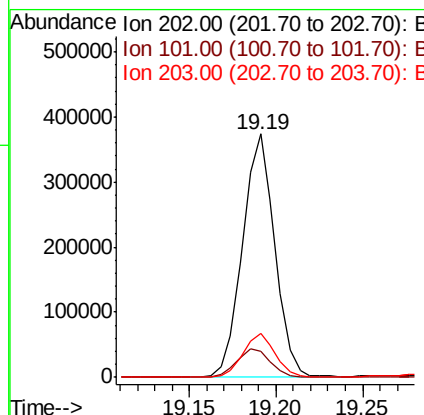
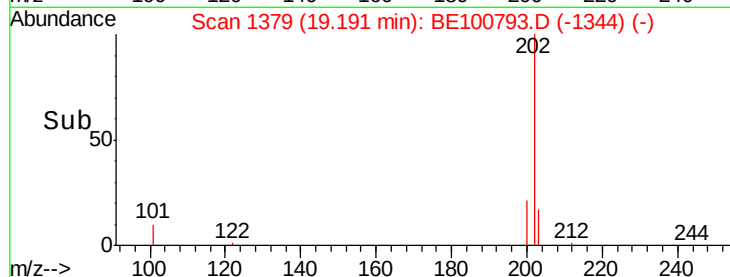
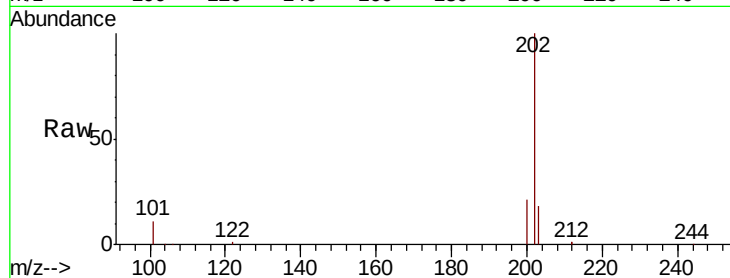
ClientSampleId :

EXT-029-SW180-112519

Tot Ion:	202	Resp:	484338
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.1	13.7
203	17.7	13.8	20.6

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#27

Chrysene-d12

Concen: 0.400 ng

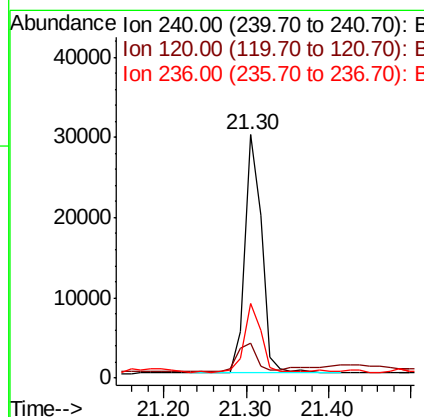
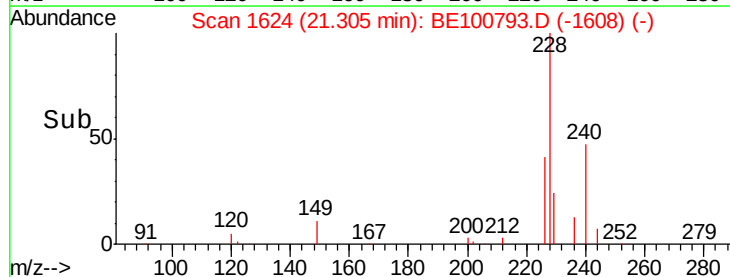
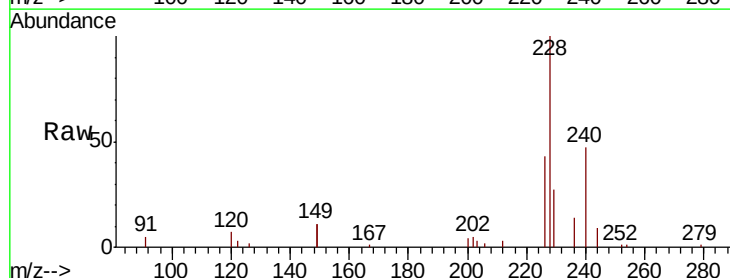
RT: 21.30 min Scan# 1624

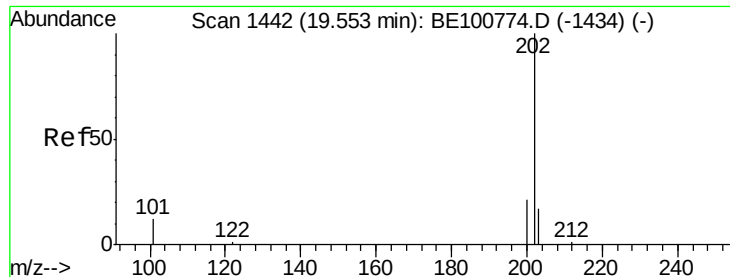
Delta R.T. -0.00 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tgt Ion:	240	Resp:	42349
Ion Ratio	Lower	Upper	
240	100		
120	14.2	10.2	15.2
236	30.4	22.3	33.5





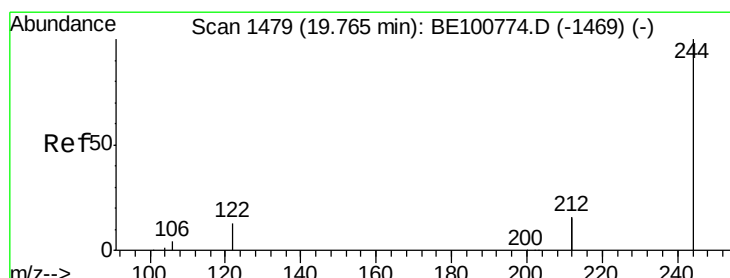
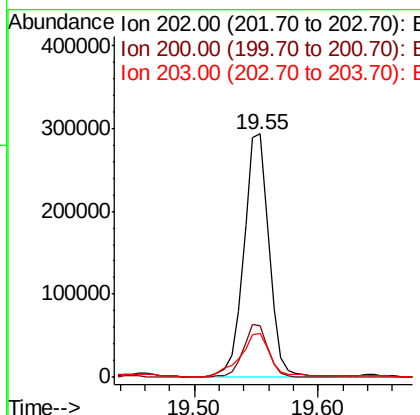
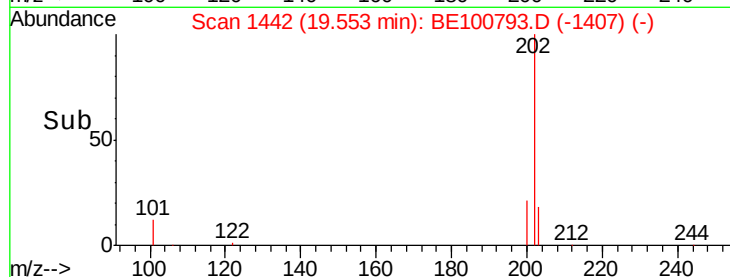
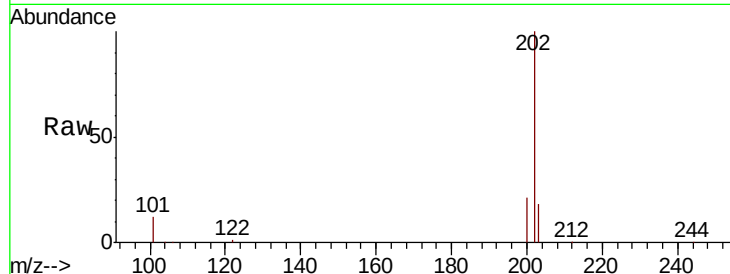
#28
Pvrene
Concen: 2.998 ng
RT: 19.55 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.0	25.4
203	21.7	13.9	20.9

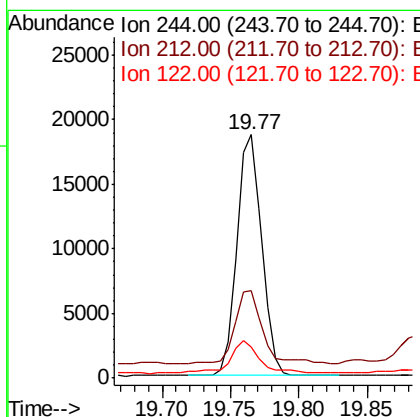
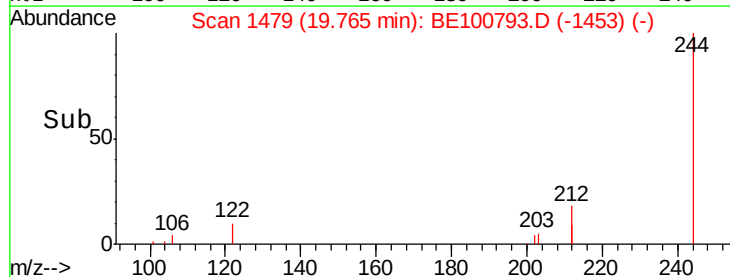
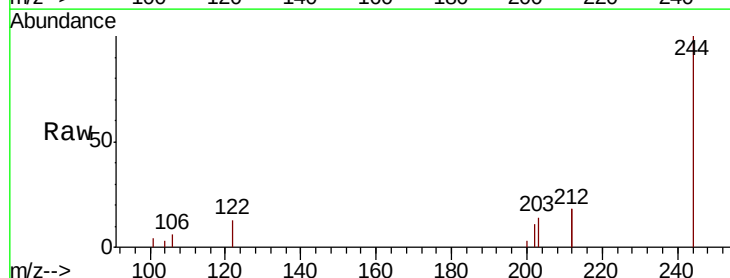
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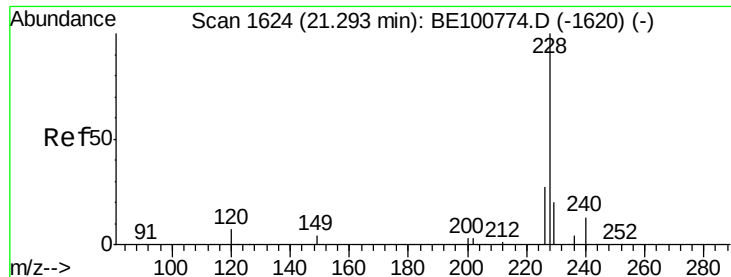
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#29
Terphenyl-d14
Concen: 0.231 ng
RT: 19.77 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	36.2	26.2	39.4
122	12.8	10.2	15.4





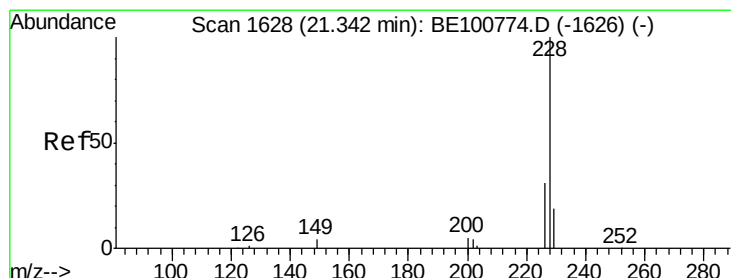
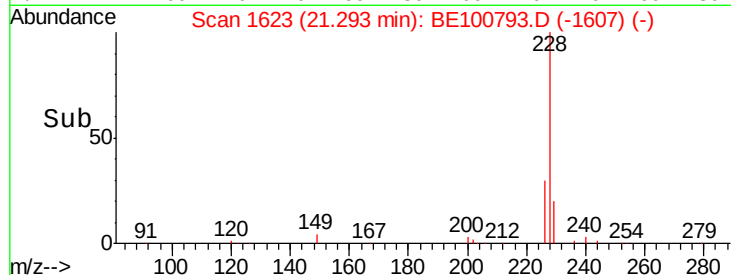
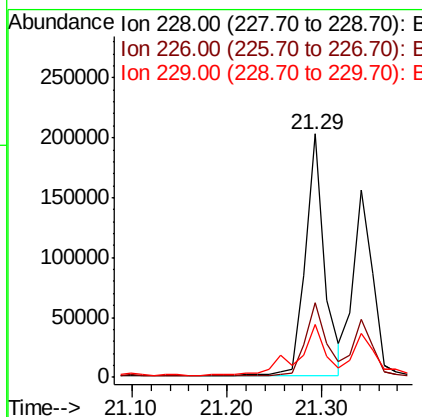
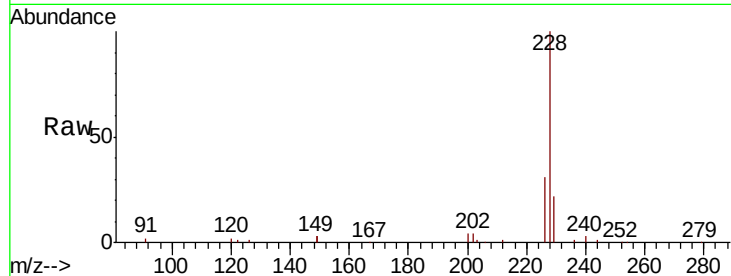
#30
Benzo(a)anthracene
Concen: 2.278 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.5	32.3
229	21.8	16.0	24.0

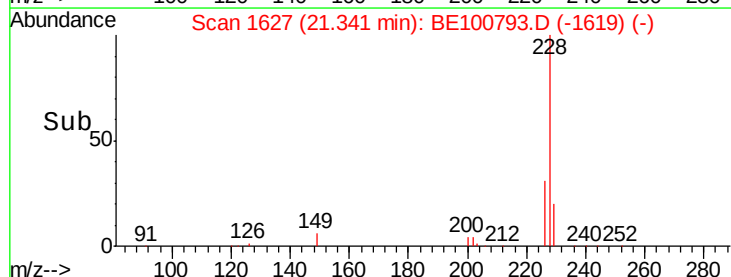
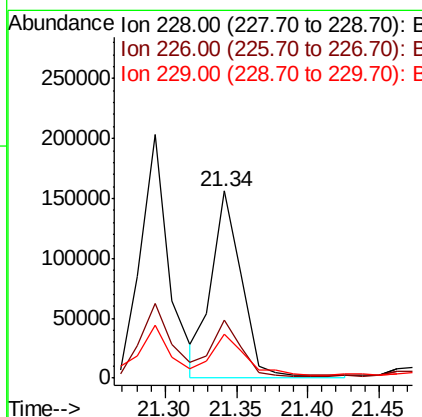
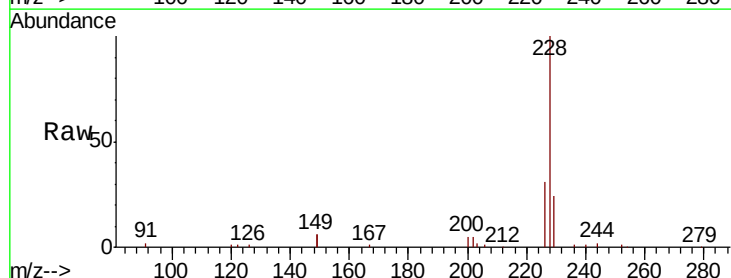
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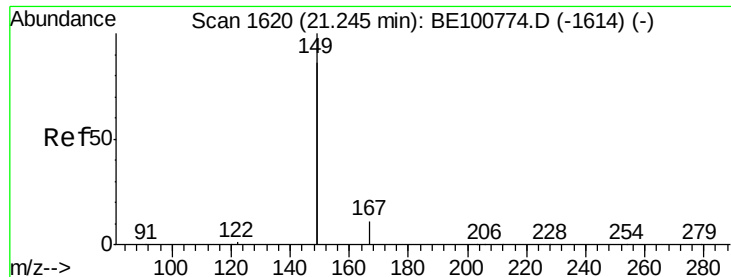
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#31
Chrysene
Concen: 1.585 ng m
RT: 21.34 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	23.8	15.4	23.2





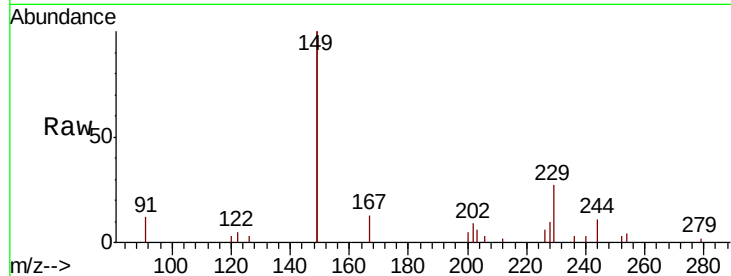
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.769 ng
RT: 21.24 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
149	100		
167	3.9	5.0	7.6#
279	0.6	0.7	1.1#

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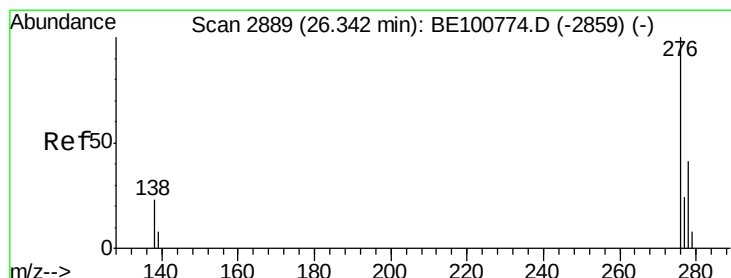
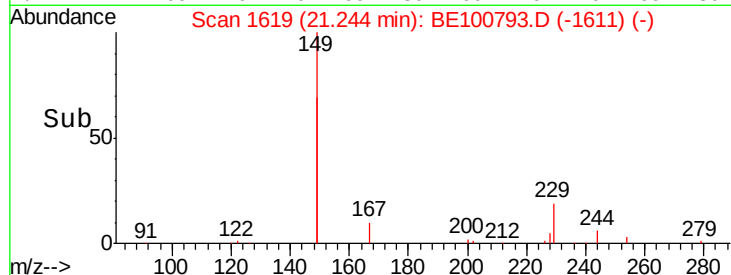
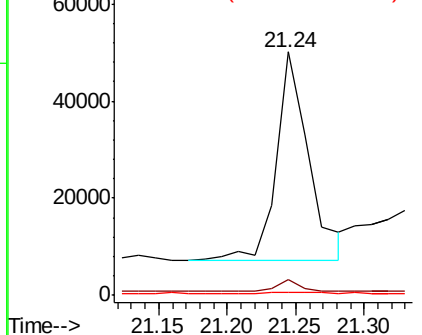


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.611 ng
RT: 26.33 min Scan# 2885
Delta R.T. -0.01 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

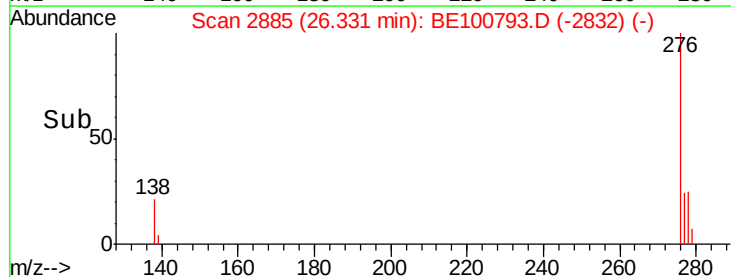
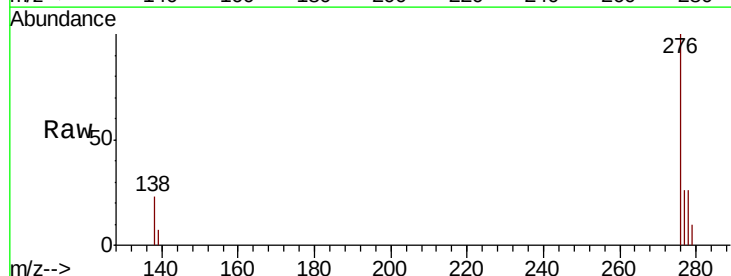
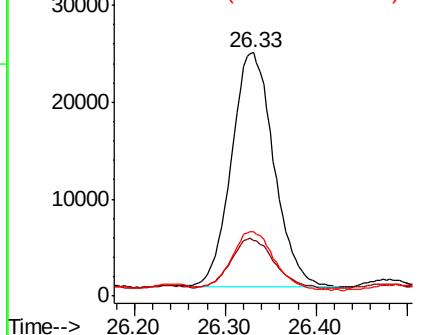
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.4	29.0
277	25.2	19.8	29.6

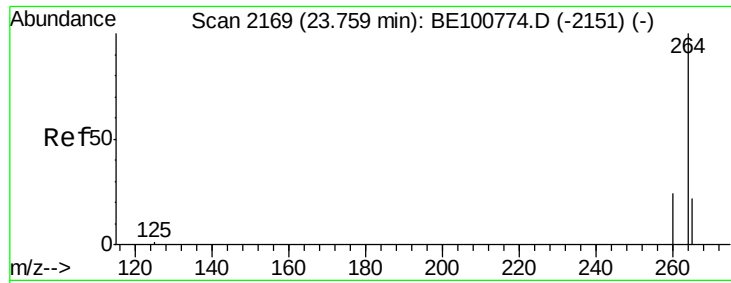
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





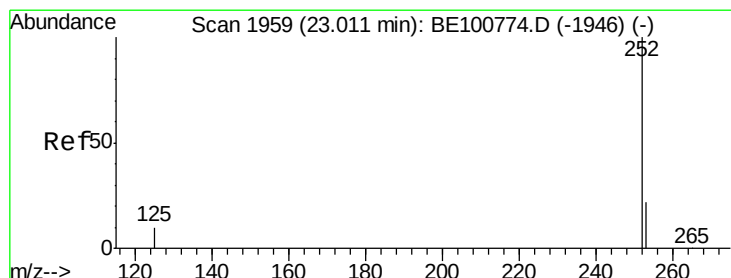
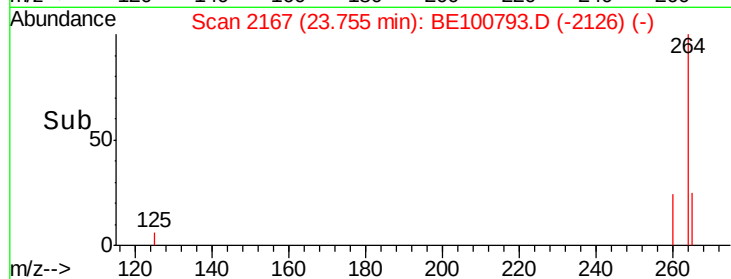
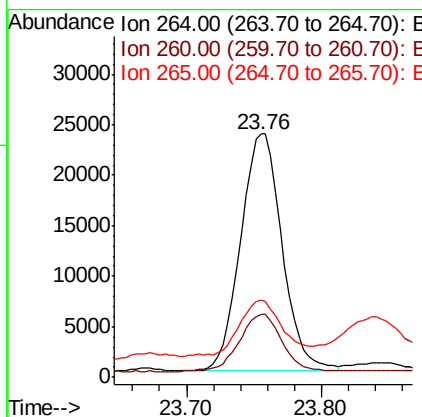
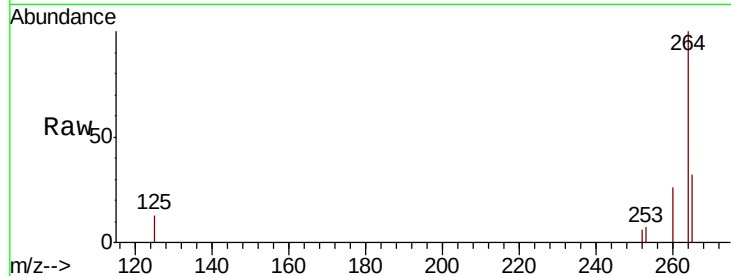
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.76 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.4	29.2
265	31.8	21.8	32.8

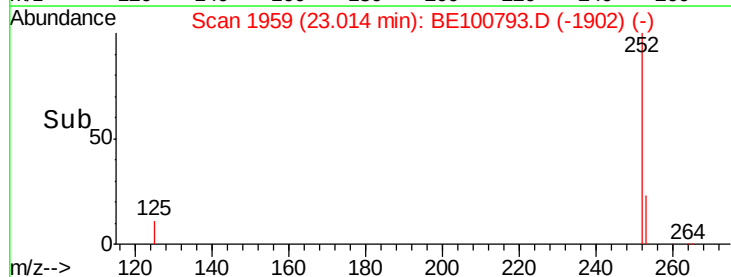
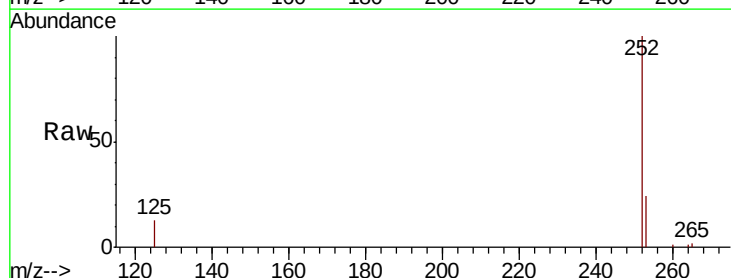
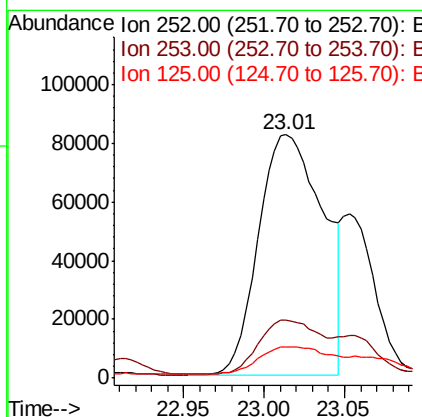
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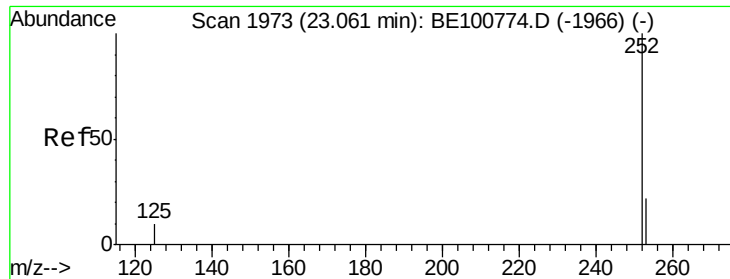
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#35
Benzo(b)fluoranthene
Concen: 1.680 ng
RT: 23.01 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	12.7	9.0	13.4





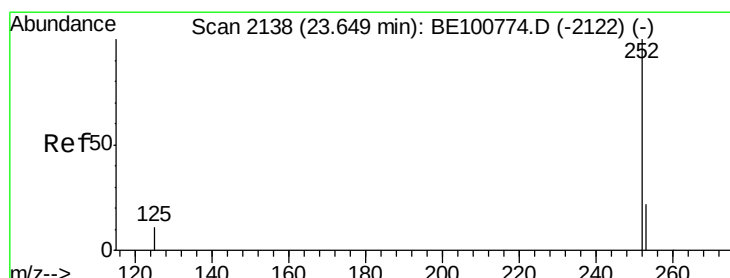
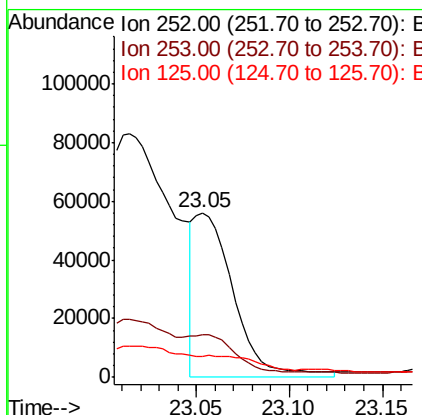
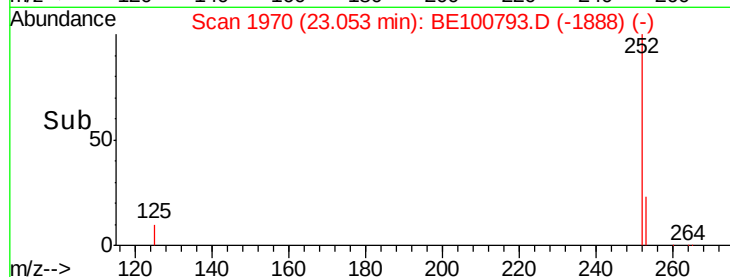
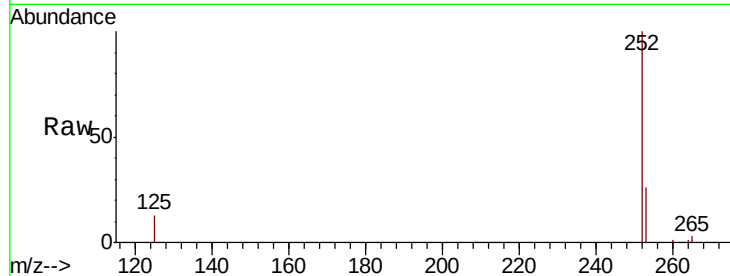
#36
Benzo(k)fluoranthene
Concen: 0.547 ng m
RT: 23.05 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW180-112519

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.8
125	12.9	8.7	13.1

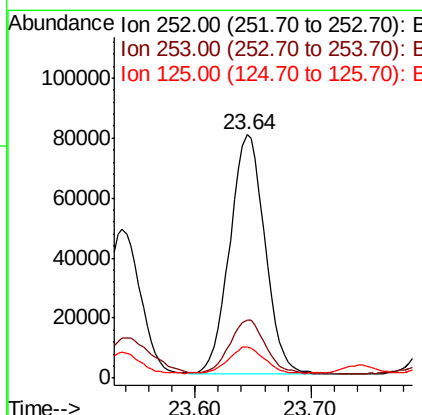
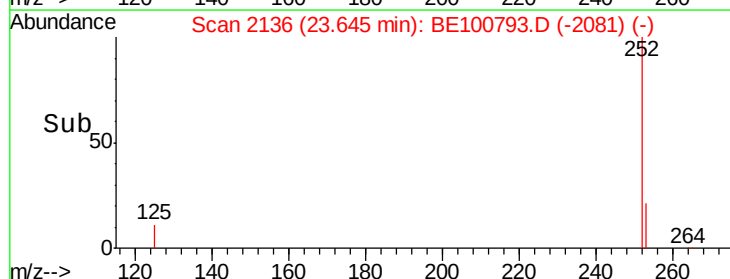
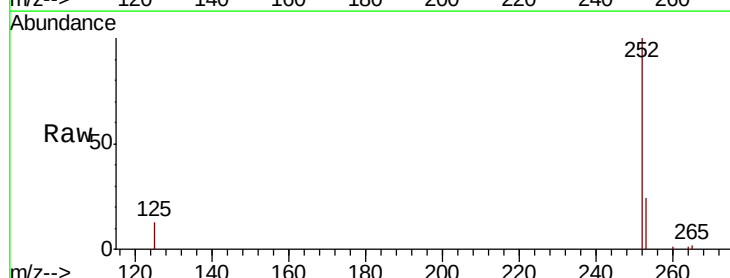
Manual Integrations
APPROVED

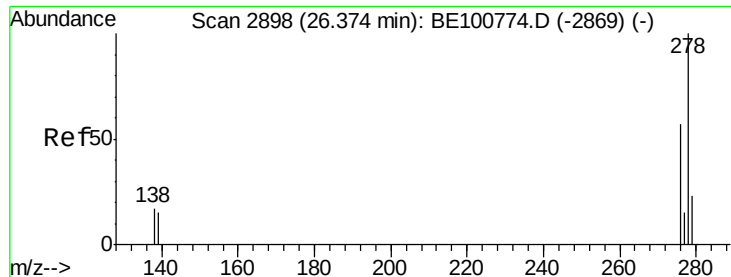
mohammad
12/6/2019 3:02:43 PM



#37
Benzo(a)pyrene
Concen: 1.411 ng
RT: 23.64 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BE100793.D
Acq: 5 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.4
125	12.8	10.4	15.6





#38

Dibenzo(a,h)anthracene

Concen: 0.228 ng

RT: 26.35 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Instrument :

BNA_E

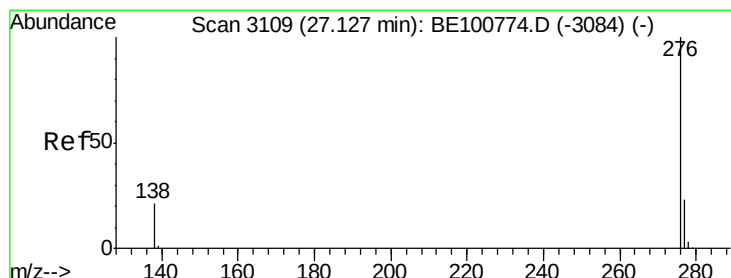
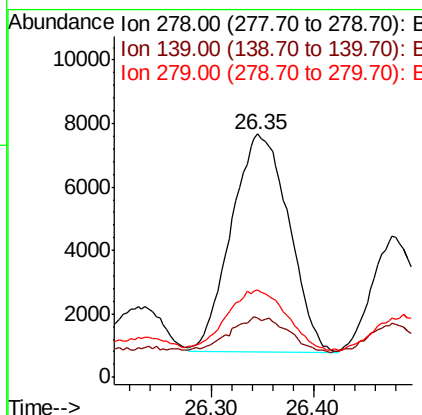
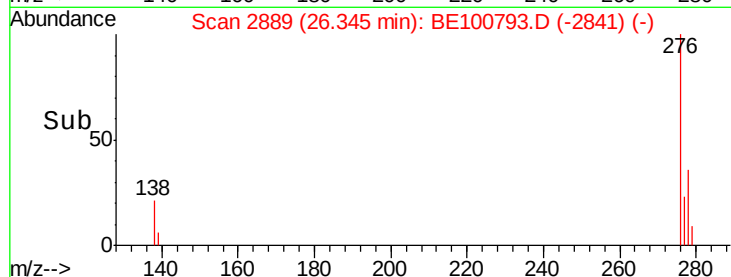
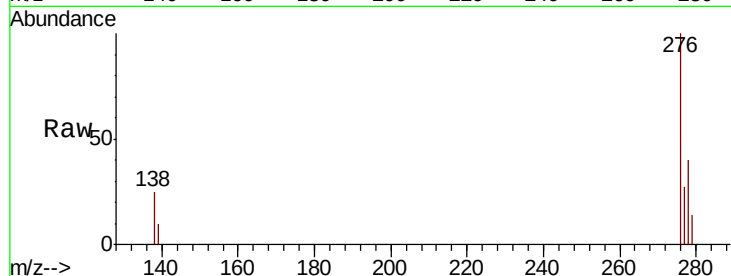
ClientSampleId :

EXT-029-SW180-112519

Tot Ion:278	Resp:	26854
Ion Ratio	Lower	Upper
278	100	
139	24.3	13.0 19.4#
279	36.1	19.6 29.4#

Manual Integrations
APPROVED

mohammad
12/6/2019 3:02:43 PM



#39

Benzo(g,h,i)perylene

Concen: 0.539 ng

RT: 27.12 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BE100793.D

Acq: 5 Dec 2019 17:39

Tgt Ion:276	Resp:	67871
Ion Ratio	Lower	Upper
276	100	
277	26.5	19.3 28.9
138	23.9	17.8 26.6

