

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100255.D
 Acq On : 29 Jun 2019 3:28
 Operator : JU/SJ
 Sample : K3445-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW117-061719

Manual Integrations
 APPROVED

mohammad
 7/1/2019 3:08:00 PM

Quant Time: Jun 29 04:22:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 29 00:22:29 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	884	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3348	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2652	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7412	0.40	ng	0.00
27) Chrysene-d12	21.26	240	9981	0.40	ng	0.01
34) Perylene-d12	23.69	264	12136	0.40	ng	0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	328	0.15	ng	0.00
5) Phenol-d6	6.83	99	457	0.15	ng	-0.01
8) Nitrobenzene-d5	8.81	82	483	0.15	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	258	0.04	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	360	0.19	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1666	0.16	ng	-0.01
25) Fluoranthene-d10	19.10	212	3077	0.03	ng	0.00
29) Terphenyl-d14	19.70	244	4627	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	18698	0.506	ng	98
12) 2-Methylnaphthalene	12.11	142	3103	0.479	ng	96
16) Acenaphthylene	14.04	152	21727	1.707	ng	99
17) Acenaphthene	14.39	154	2755	0.382	ng	96
18) Fluorene	15.35	166	6227	0.584	ng	# 89
22) Pentachlorophenol	16.72	266	101	0.068	ng	89
23) Phenanthrene	17.09	178	146288	8.143	ng	100
24) Anthracene	17.19	178	29695	1.836	ng	# 96
26) Fluoranthene	19.13	202	351178	12.273	ng	98
28) Pvrene	19.49	202	358786	13.577	ng	96
30) Benzo(a)anthracene	21.23	228	227447	6.931	ng	97
31) Chrysene	21.28	228	240158	7.288	ng	94
32) Bis(2-ethylhexyl)phthalate	21.16	149	381385	8.165	ng	100
33) Indeno(1,2,3-cd)pyrene	26.27	276	150116	3.444	ng	# 97
35) Benzo(b)fluoranthene	22.94	252	289967	8.813	ng	# 98
36) Benzo(k)fluoranthene	22.99	252	99376m	2.706	ng	
37) Benzo(a)pvrene	23.58	252	198612m	6.023	ng	
38) Dibenzo(a,h)anthracene	26.28	278	39128	1.136	ng	# 84
39) Benzo(g,h,i)perylene	27.07	276	192722	5.447	ng	98

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

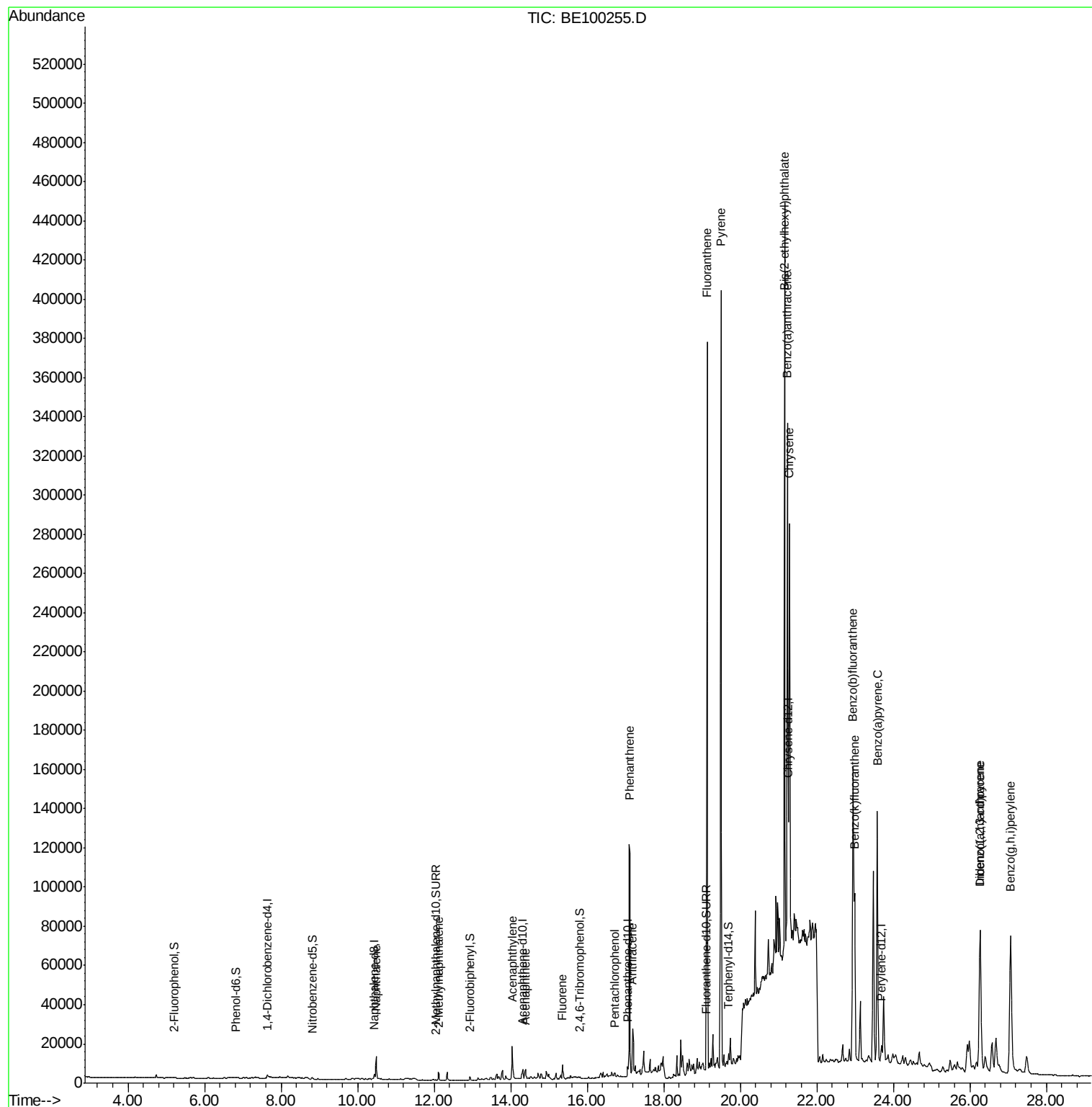
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100255.D
Acq On : 29 Jun 2019 3:28
Operator : JU/SJ
Sample : K3445-03 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

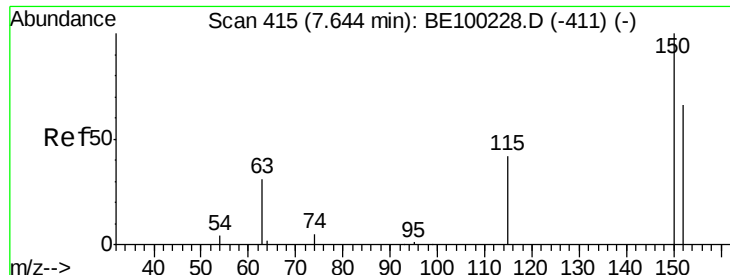
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

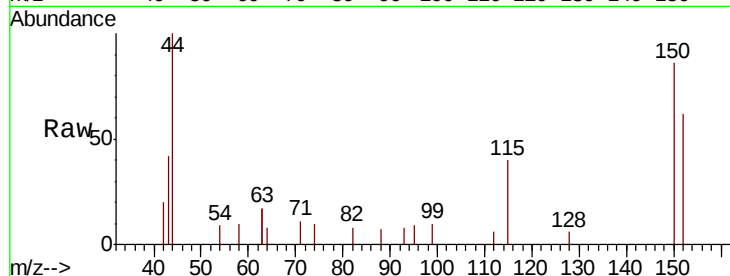
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.1	114.5	171.7
115	65.3	57.1	85.7

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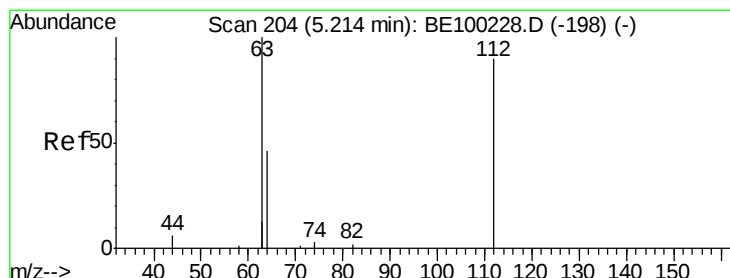
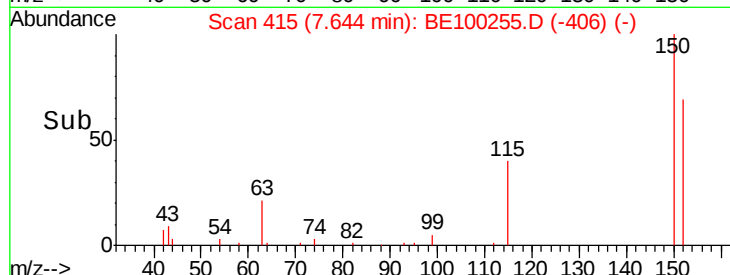
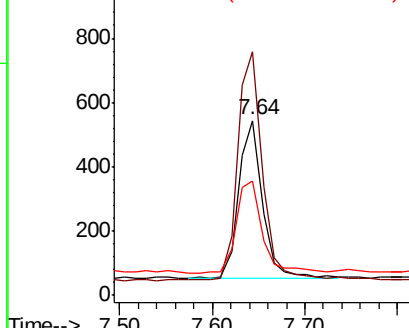


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

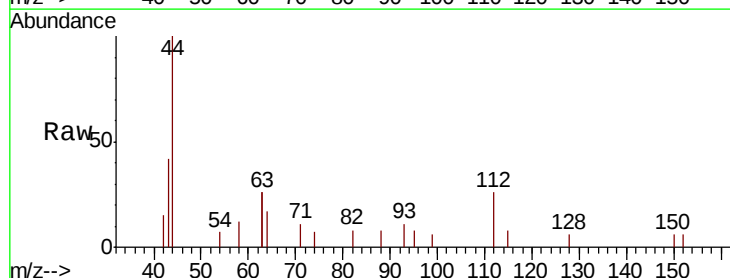
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.145 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.4	59.0
63	118.0	104.5	156.7

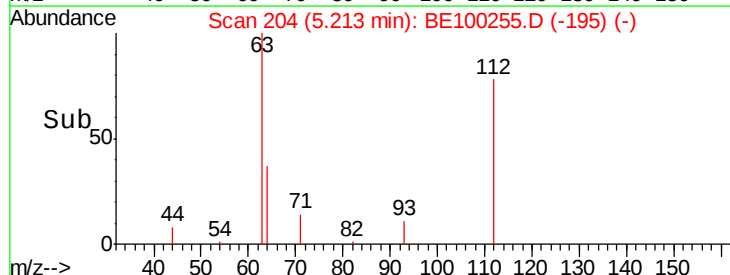
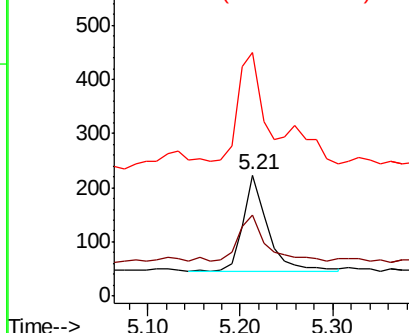


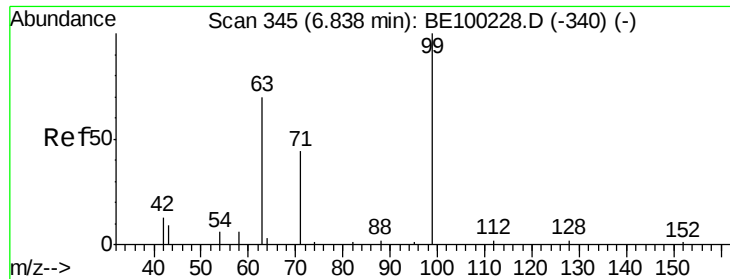
Abundance

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: 0.154 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

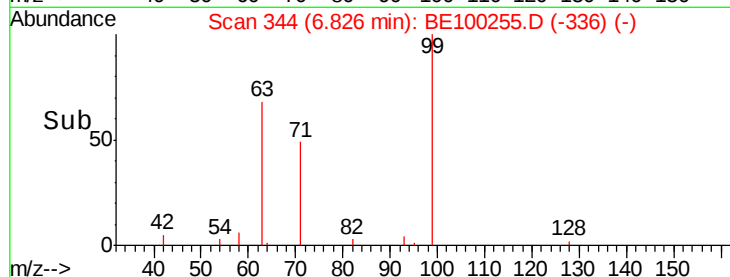
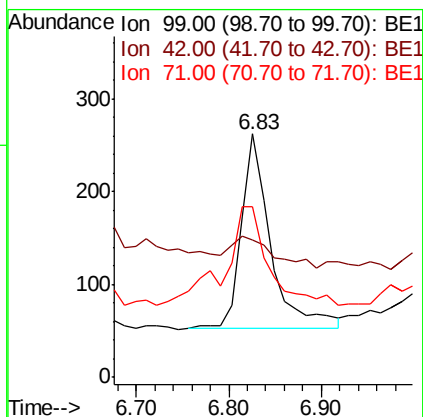
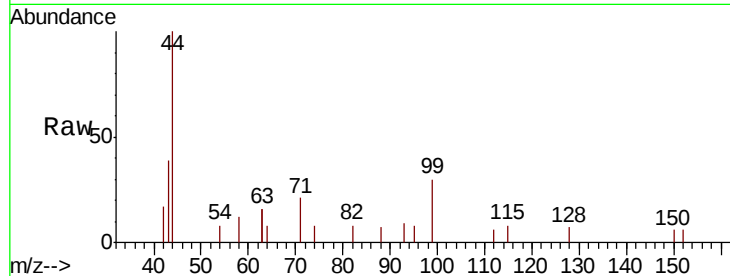
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	99	Resp:	457
Ion	Ratio	Lower	Upper
99	100		
42	22.3	11.2	16.8#
71	69.1	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

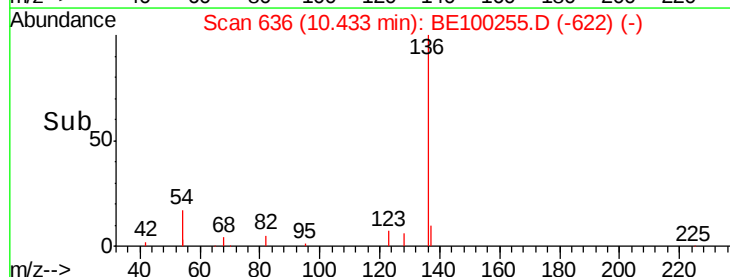
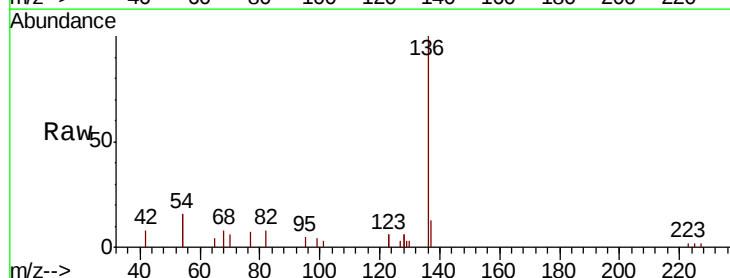
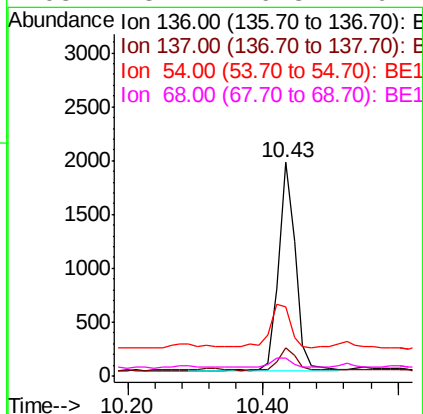
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	136	Resp:	3348
Ion	Ratio	Lower	Upper
136	100		
137	13.0	11.8	17.8
54	32.4	27.7	41.5
68	8.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.145 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

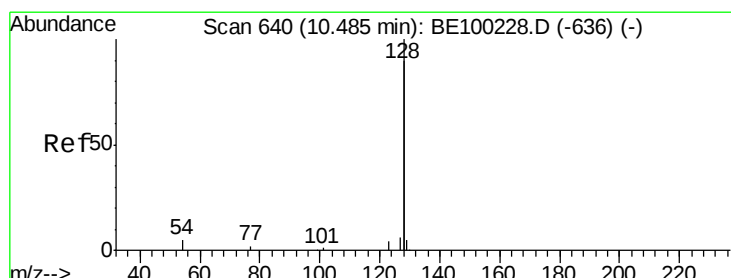
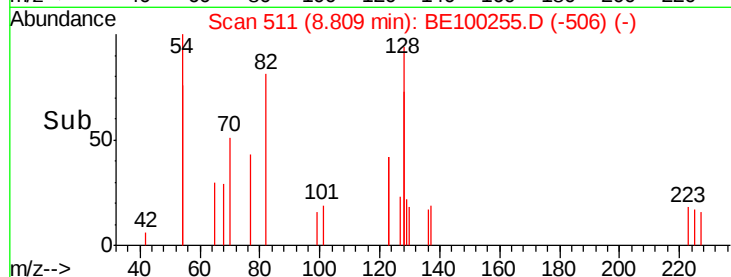
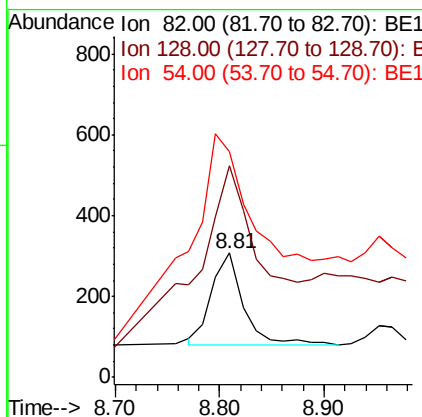
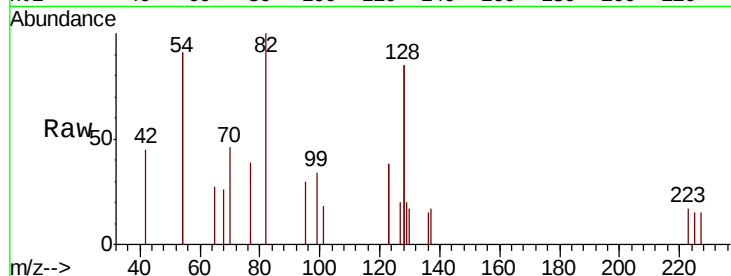
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	82	Resp:	483
Ion	Ratio	Lower	Upper
82	100		
128	170.1	140.9	211.3
54	181.2	146.2	219.2

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#9

Naphthalene

Concen: 0.506 ng

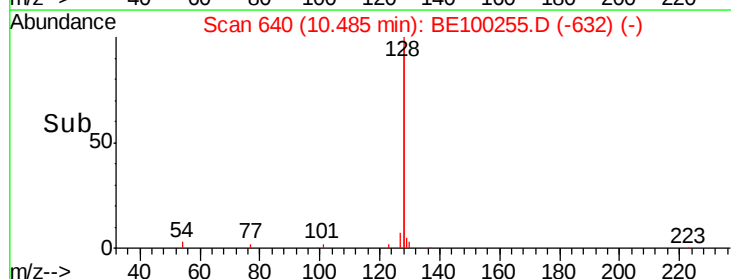
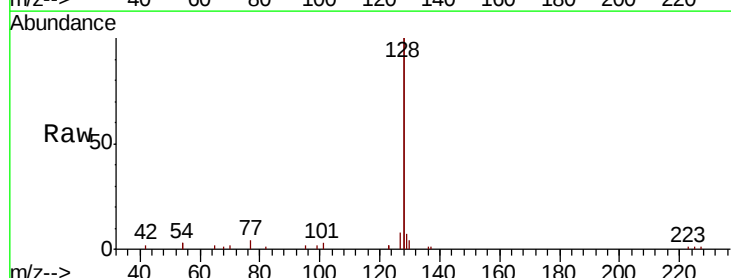
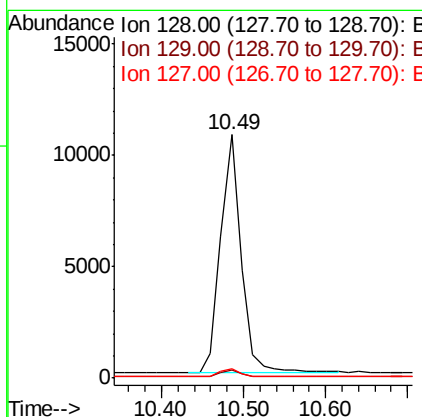
RT: 10.49 min Scan# 640

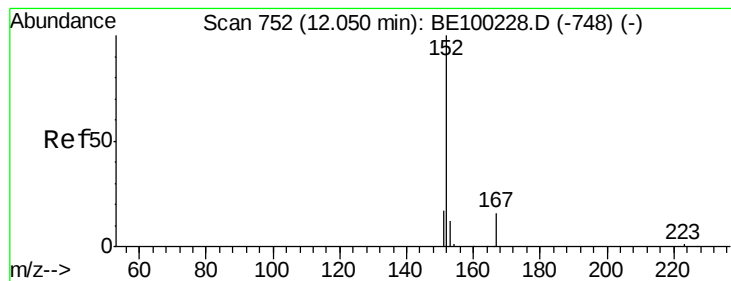
Delta R.T. 0.00 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	128	Resp:	18698
Ion	Ratio	Lower	Upper
128	100		
129	3.3	3.0	4.6
127	3.8	3.5	5.3





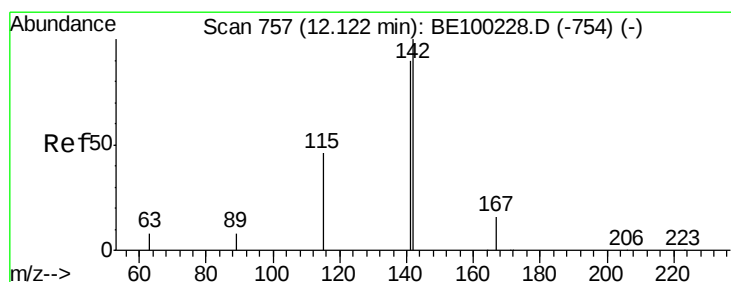
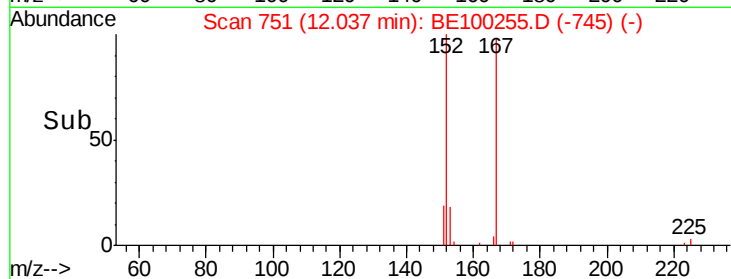
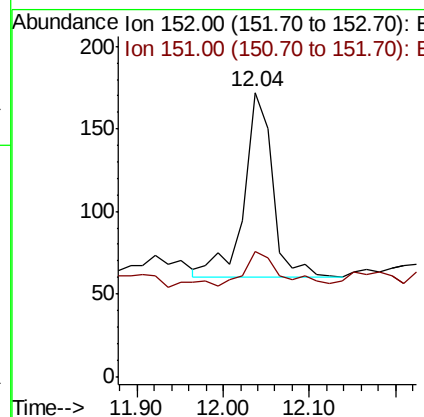
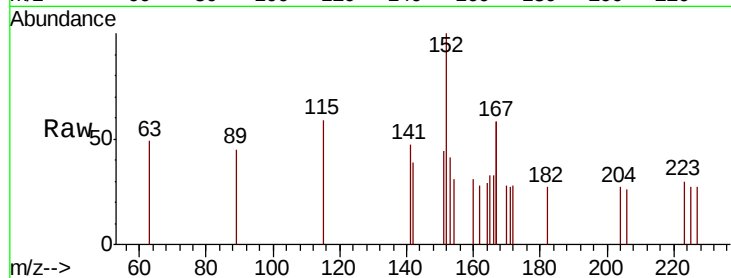
#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719

Tot Ion:152 Resp: 258
Ion Ratio Lower Upper
152 100
151 22.9 15.1 22.7#

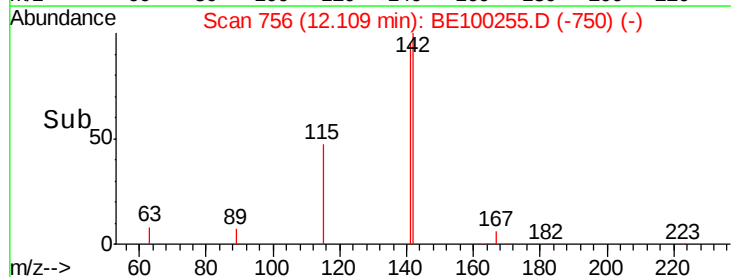
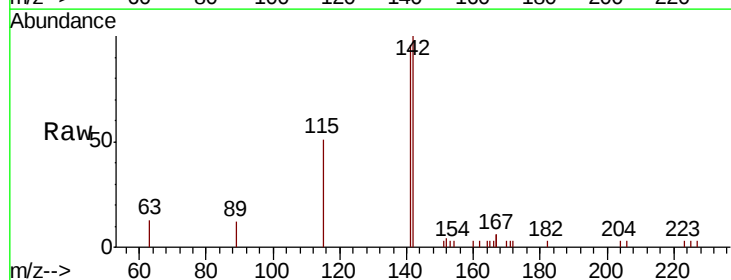
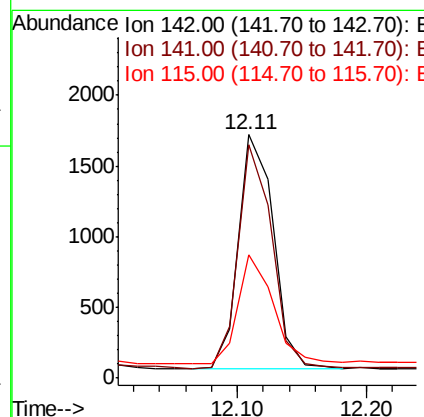
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#12
2-Methylnaphthalene
Concen: 0.479 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Tgt Ion:142 Resp: 3103
Ion Ratio Lower Upper
142 100
141 95.8 72.4 108.6
115 50.9 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

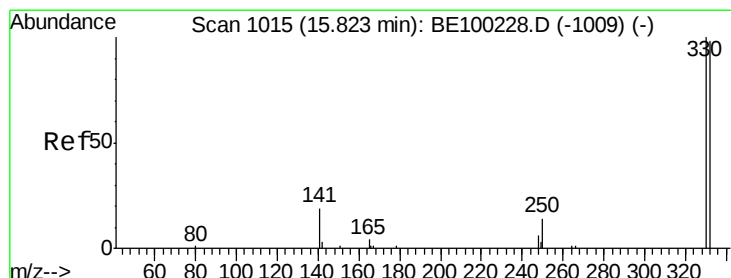
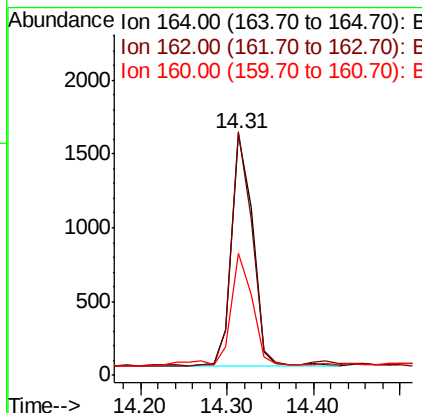
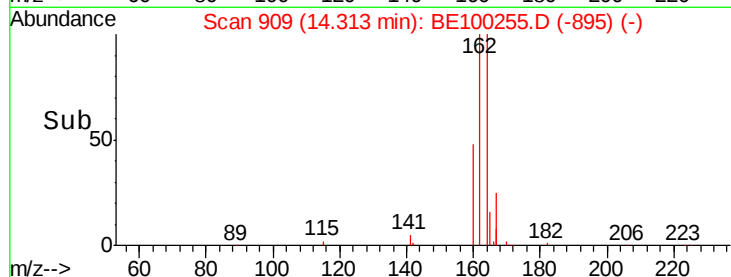
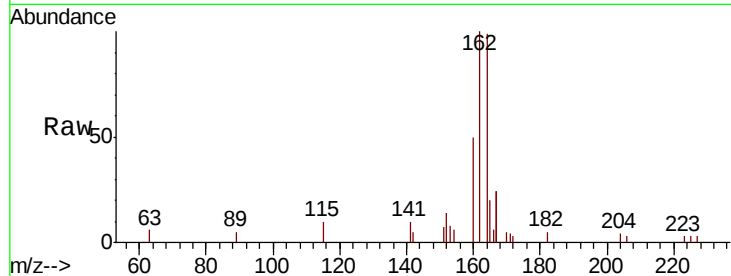
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	164	Resp:	2652
Ion	Ratio	Lower	Upper
164	100		
162	100.9	83.4	125.0
160	50.4	45.0	67.6

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#14

2,4,6-Tribromophenol

Concen: 0.194 ng

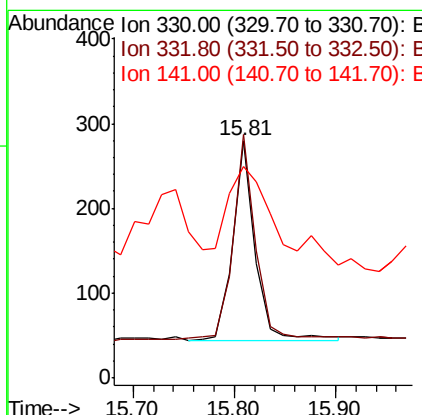
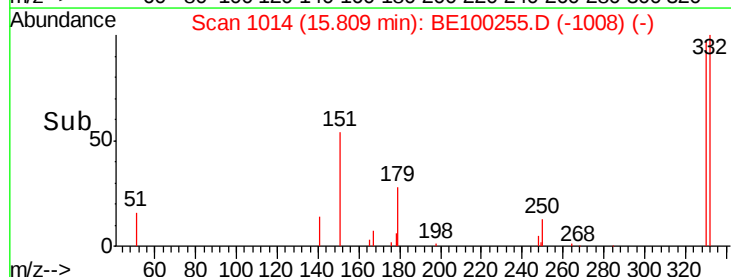
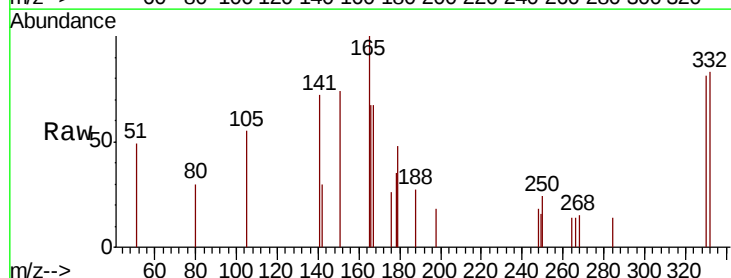
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	330	Resp:	360
Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.4
141	125.0	22.0	33.0#





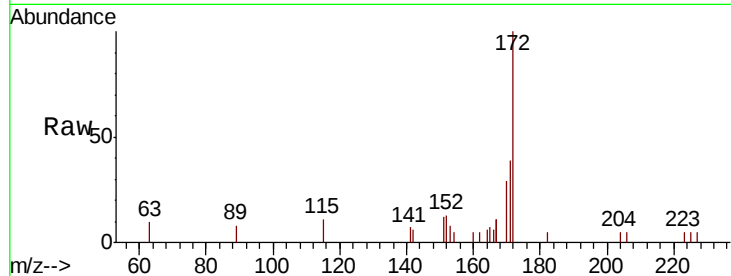
#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.9	47.9
170	29.3	22.2	33.2

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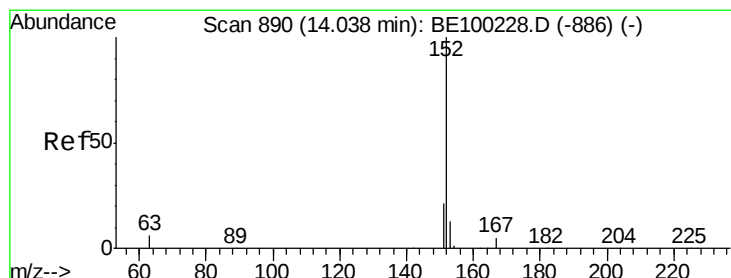
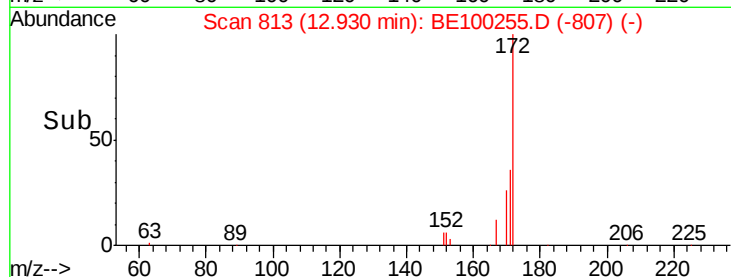
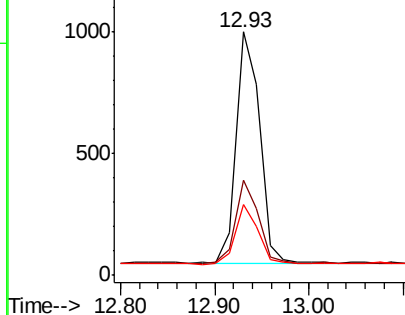


Abundance

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: 1.707 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

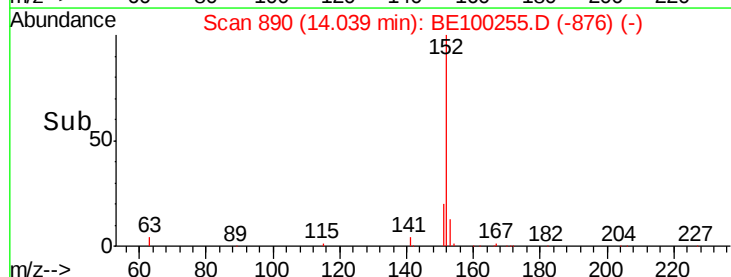
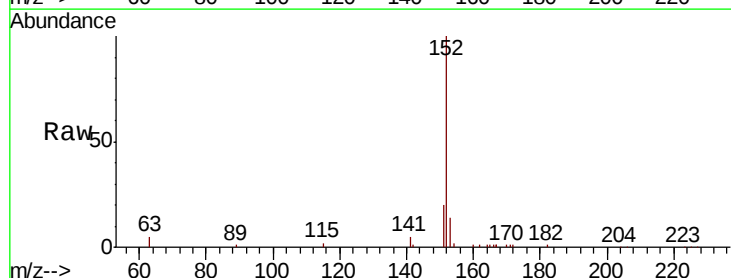
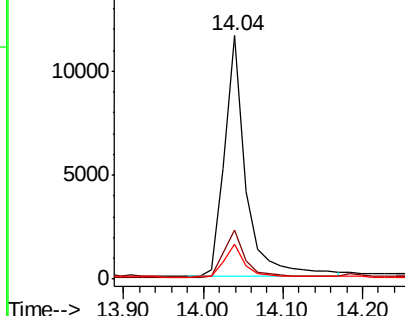
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	13.5	10.5	15.7

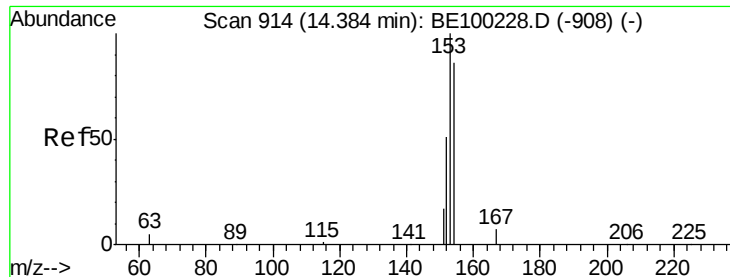
Abundance

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





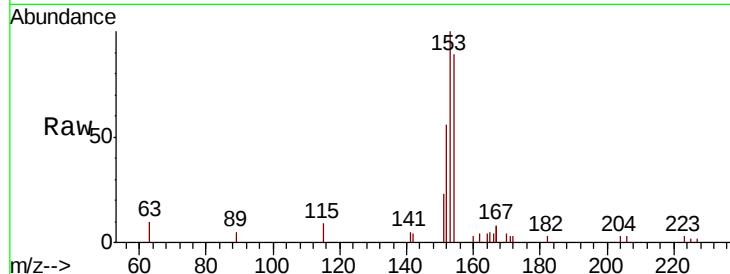
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719

Tot Ion	Ratio	Lower	Upper
154	100		
153	121.5	93.4	140.2
152	63.8	49.4	74.2

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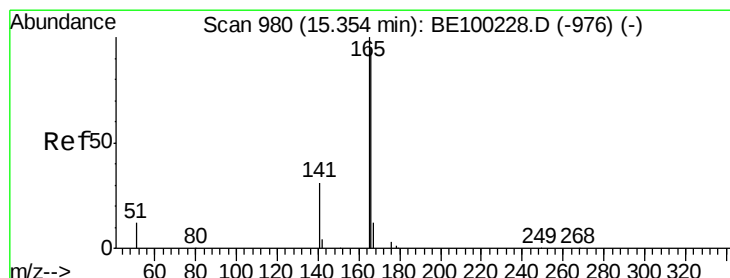
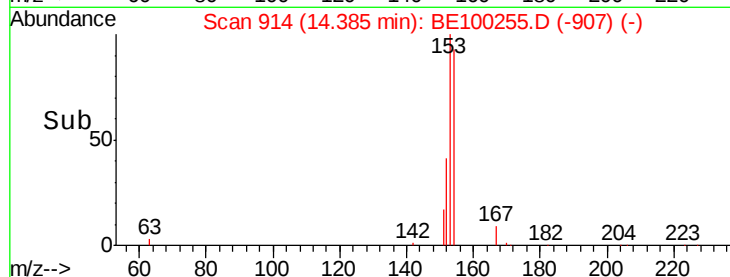
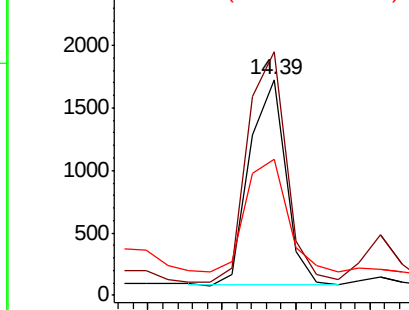


Abundance

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: 0.584 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

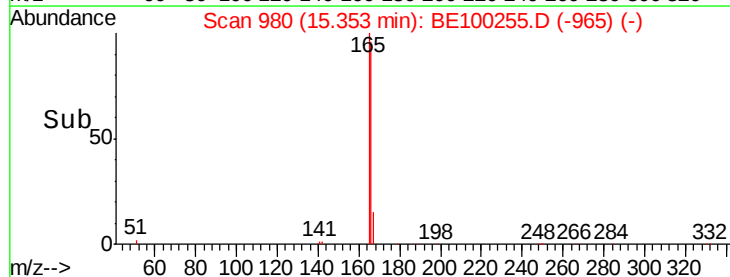
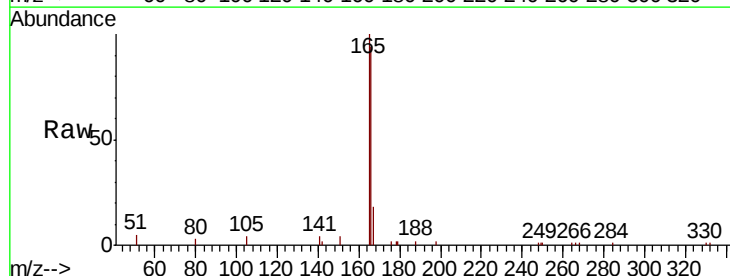
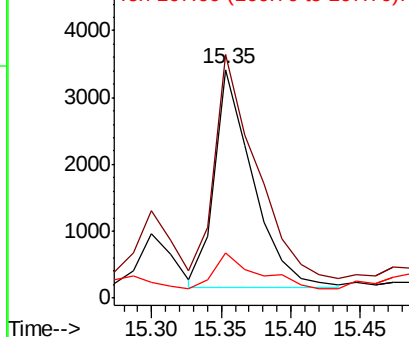
Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.4	81.1	121.7
167	19.1	10.7	16.1#

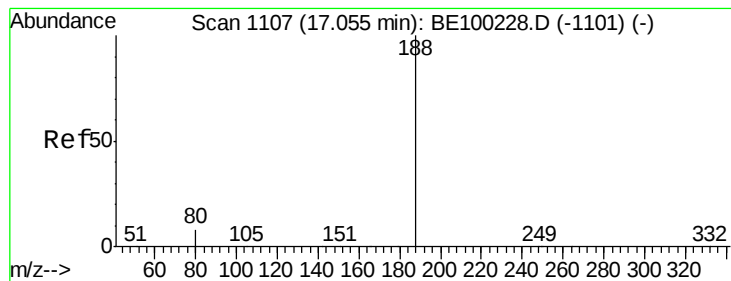
Abundance

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: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

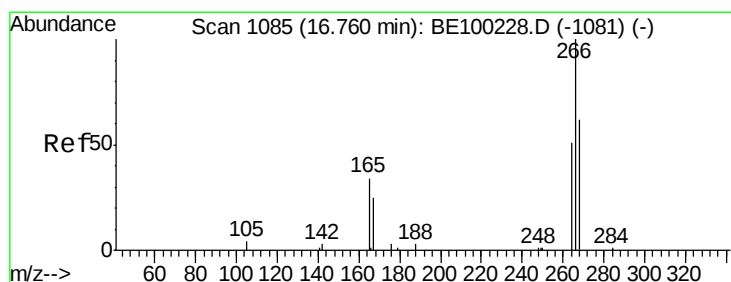
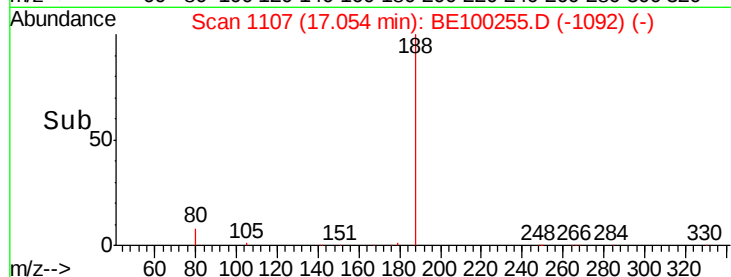
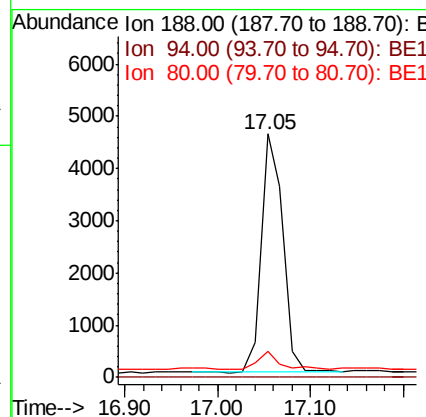
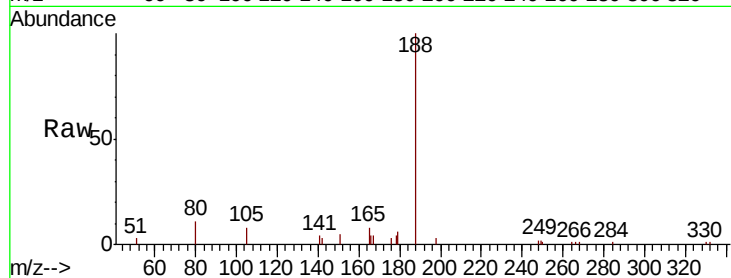
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	188	Resp:	7412
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.8	7.6	11.4

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#22

Pentachlorophenol

Concen: 0.068 ng

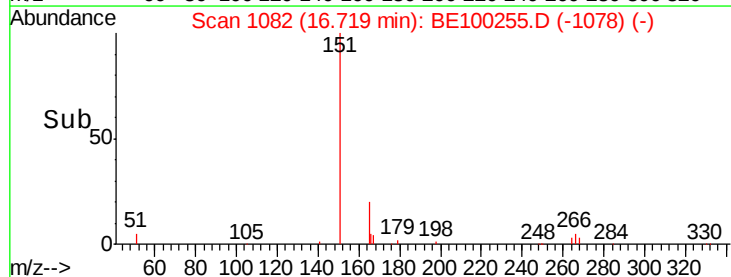
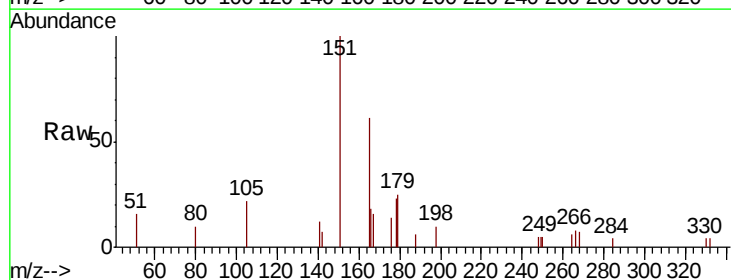
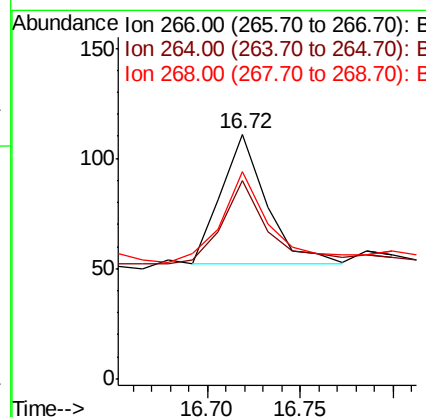
RT: 16.72 min Scan# 1082

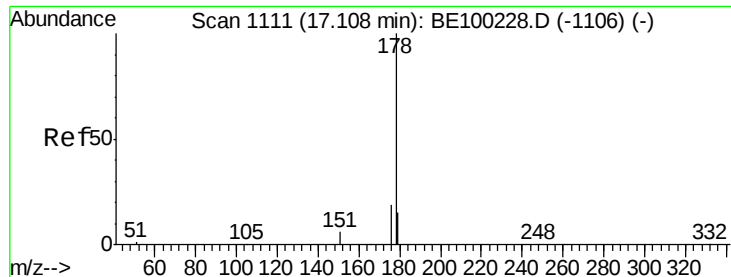
Delta R.T. -0.04 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	266	Resp:	101
Ion Ratio	Lower	Upper	
266	100		
264	81.1	56.2	84.2
268	84.7	61.8	92.6





#23

Phenanthrene

Concen: 8.143 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

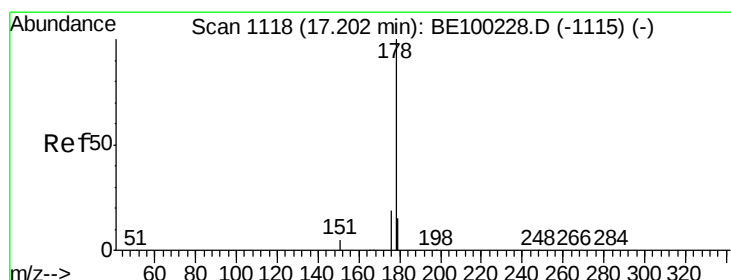
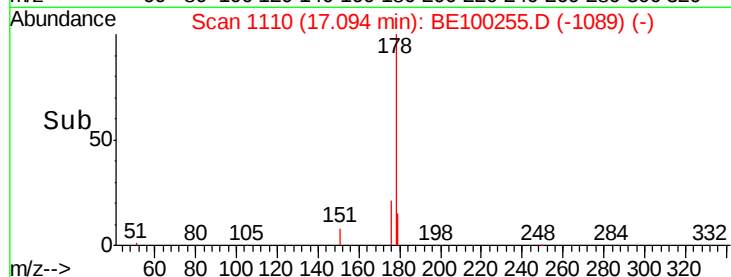
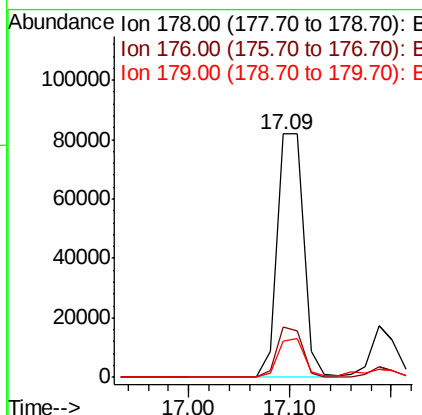
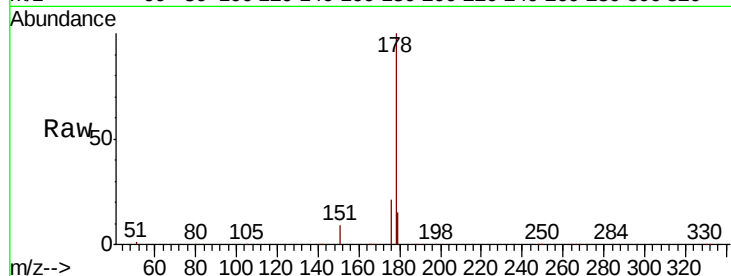
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:178	Resp:	146288
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.9 23.9
179	15.5	12.2 18.2

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#24

Anthracene

Concen: 1.836 ng

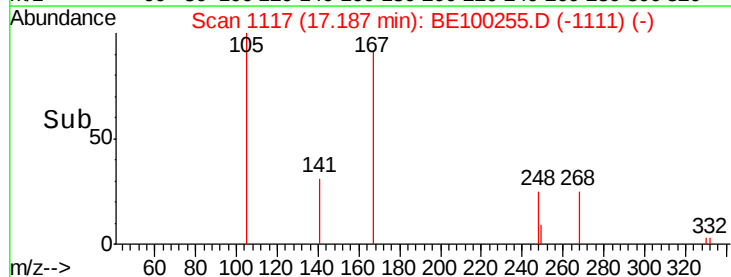
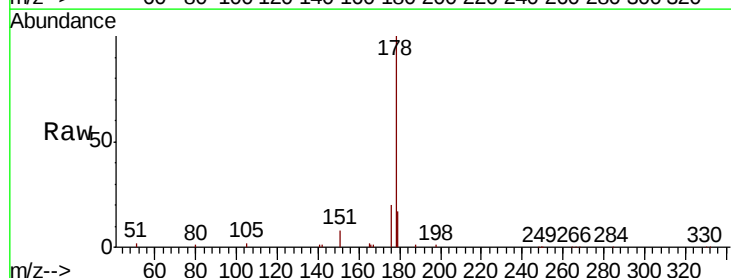
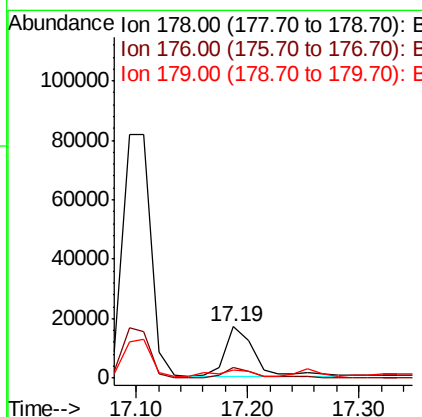
RT: 17.19 min Scan# 1117

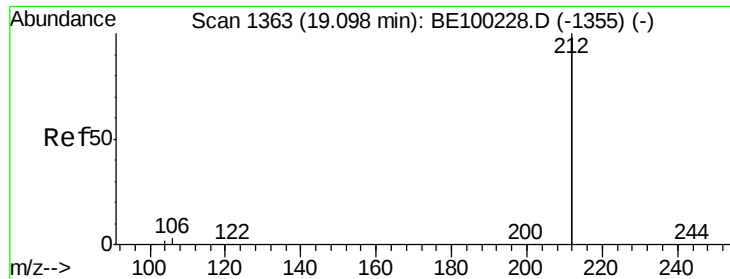
Delta R.T. -0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:178	Resp:	29695
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.3 22.9
179	19.1	12.2 18.2#





#25

Fluoranthene-d10

Concen: 0.029 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

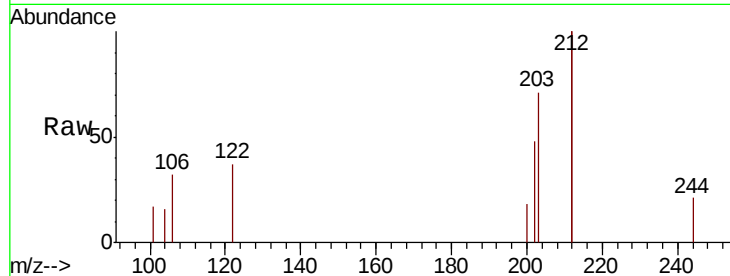
ClientSampleId :

EXT-008-SW117-061719

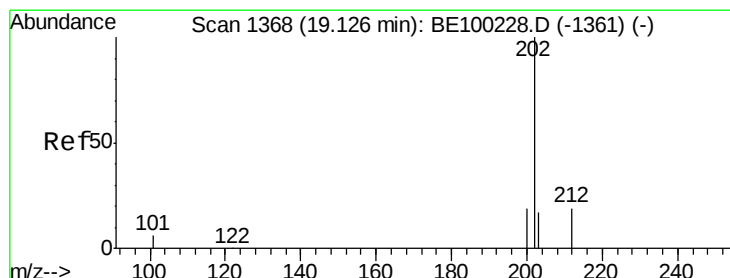
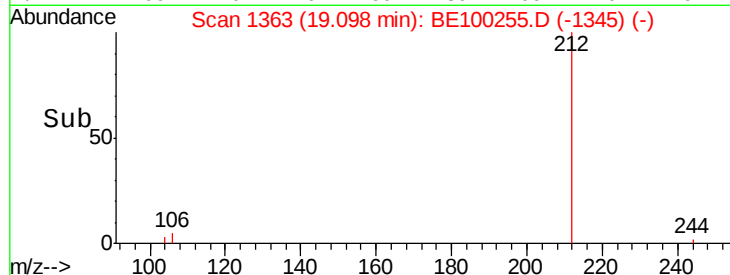
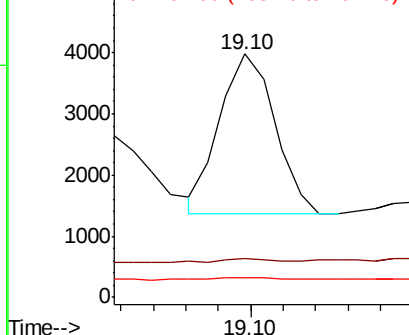
Tot Ion:	212	Resp:	3077
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.3	1.9
104	1.4	0.8	1.2#

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 12.273 ng

RT: 19.13 min Scan# 1369

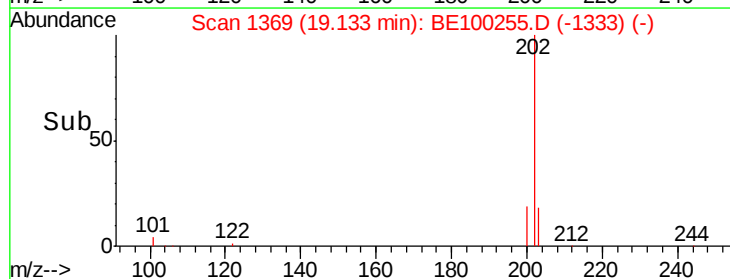
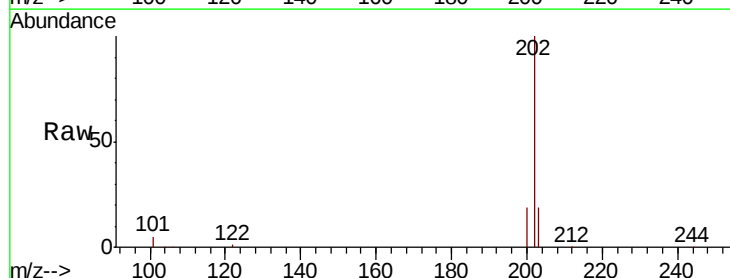
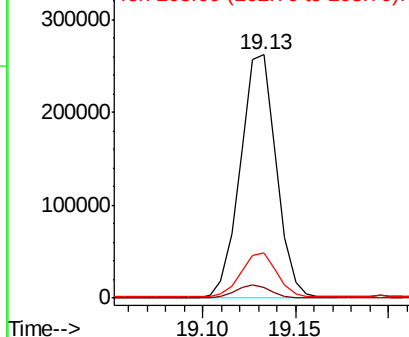
Delta R.T. 0.01 min

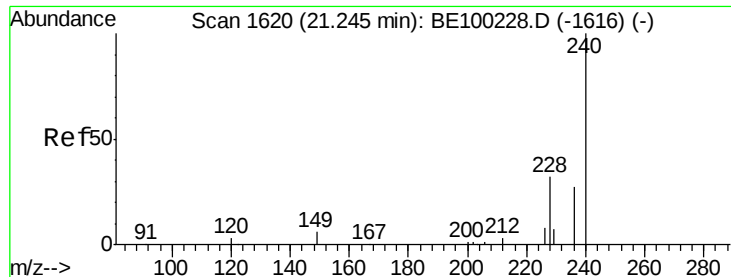
Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	202	Resp:	351178
Ion Ratio	Lower	Upper	
202	100		
101	5.3	4.6	7.0
203	17.9	13.7	20.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





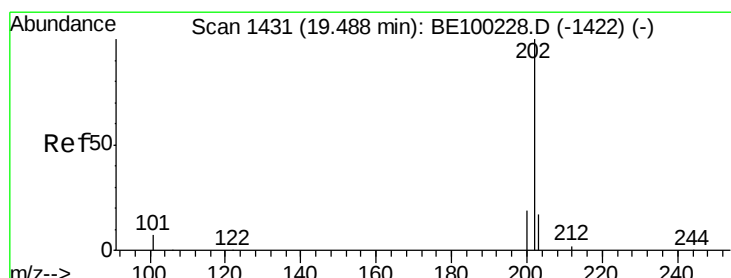
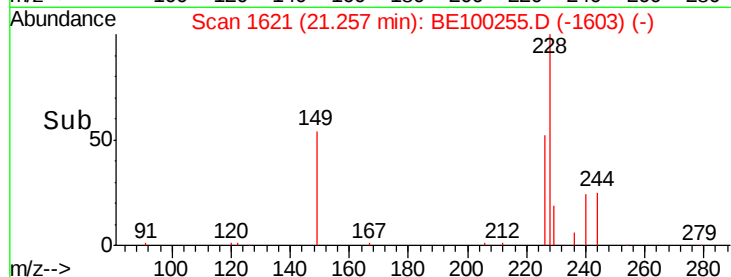
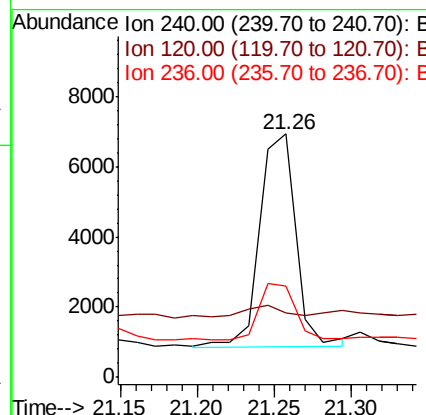
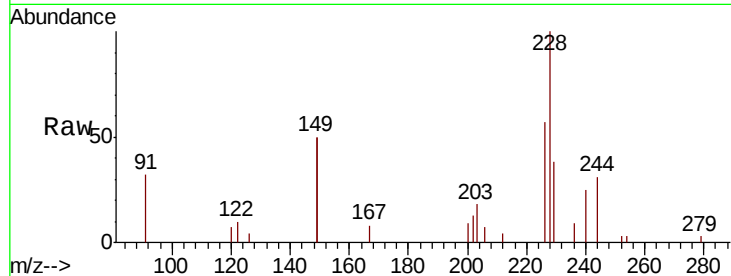
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719

Tot Ion	Ratio	Lower	Upper
240	100		
120	26.4	3.3	4.9#
236	37.7	22.6	34.0#

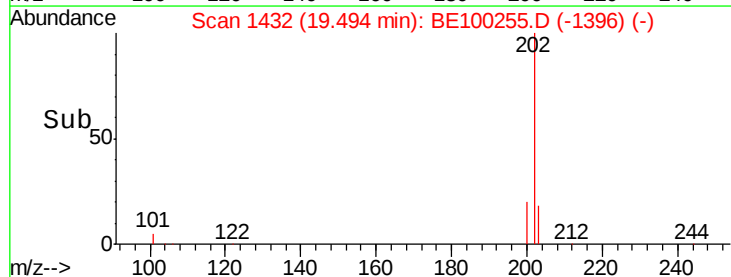
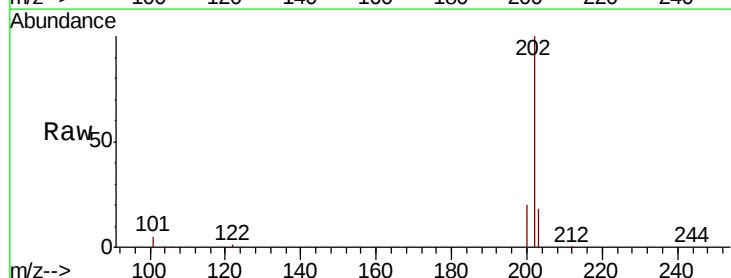
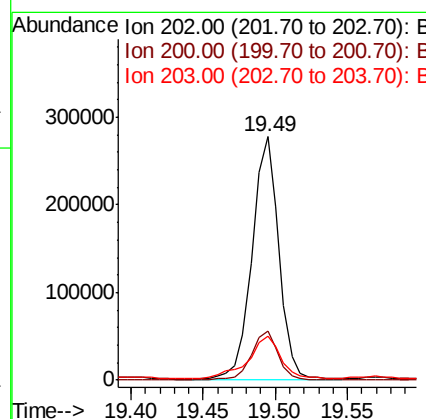
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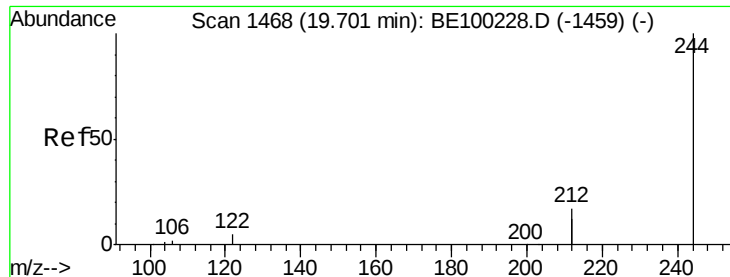
mohammad
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#28
Pyrene
Concen: 13.577 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100255.D
Acq: 29 Jun 2019 3:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	21.0	14.0	21.0





#29

Terphenyl-d14

Concen: 0.224 ng

RT: 19.70 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

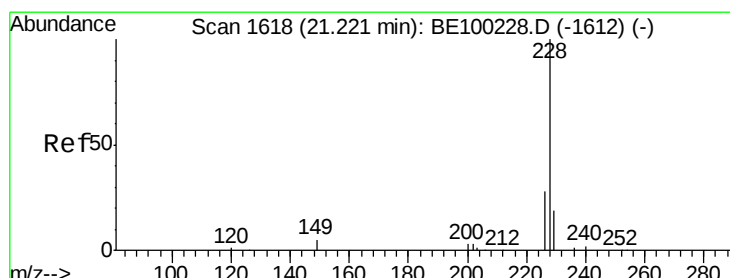
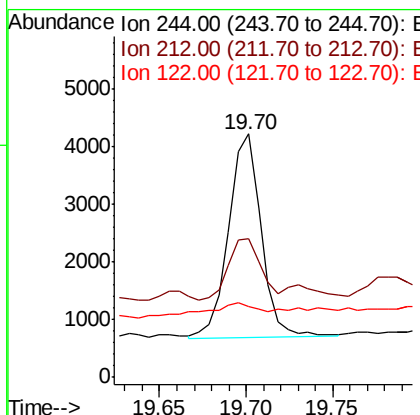
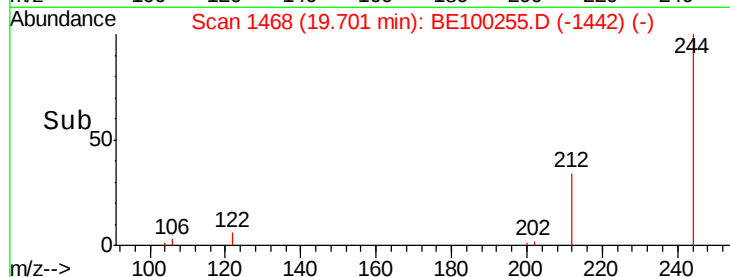
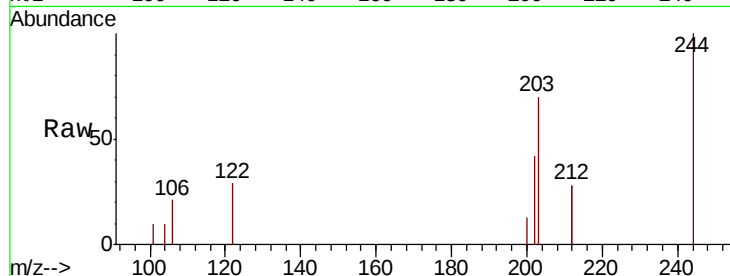
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	244	Resp:	4627
Ion Ratio	Lower	Upper	
244	100		
212	56.9	27.3	40.9#
122	29.3	4.7	7.1#

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#30

Benzo(a)anthracene

Concen: 6.931 ng

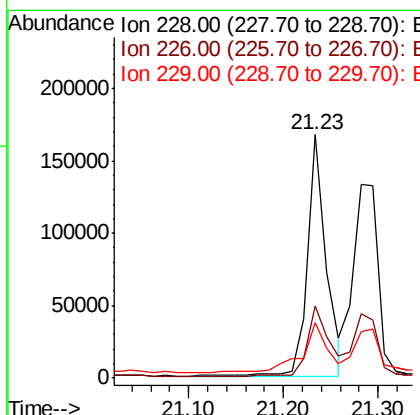
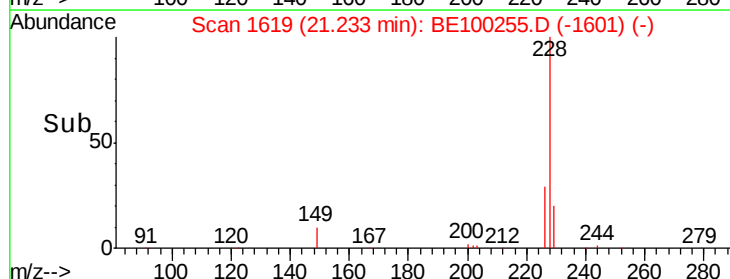
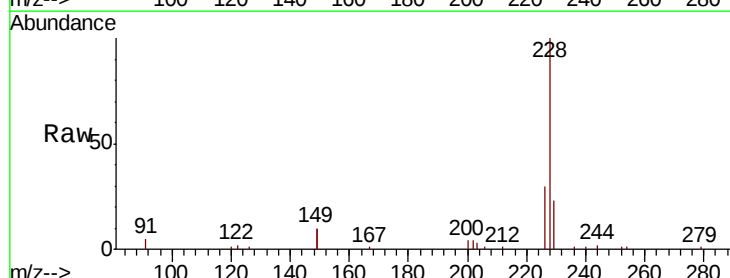
RT: 21.23 min Scan# 1619

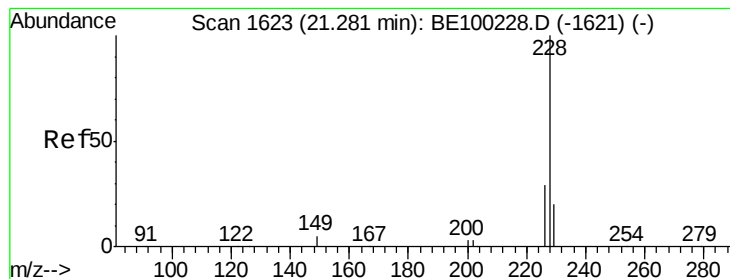
Delta R.T. 0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	228	Resp:	227447
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.2	34.8
229	22.7	15.7	23.5





#31

Chrysene

Concen: 7.288 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

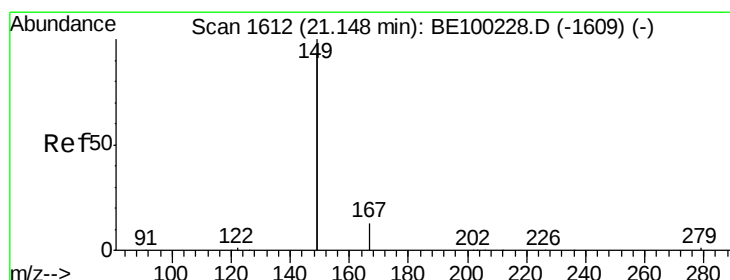
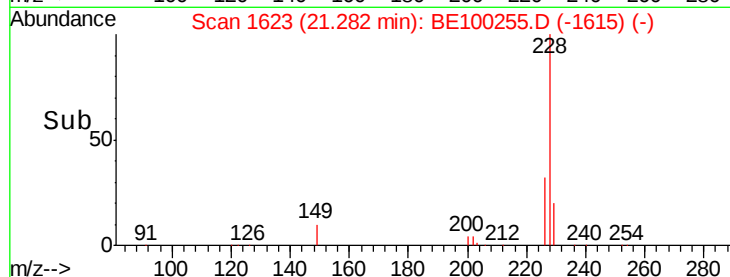
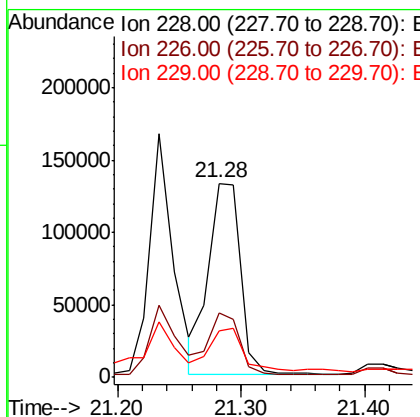
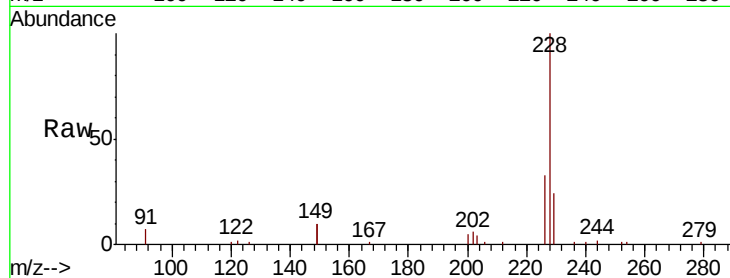
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	228	Resp:	240158
Ion Ratio	Lower	Upper	
228	100		
226	33.2	23.9	35.9
229	23.8	16.5	24.7

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#32

Bis(2-ethylhexyl)phthalate

Concen: 8.165 ng

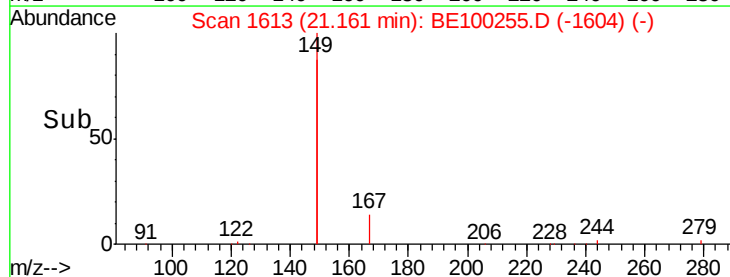
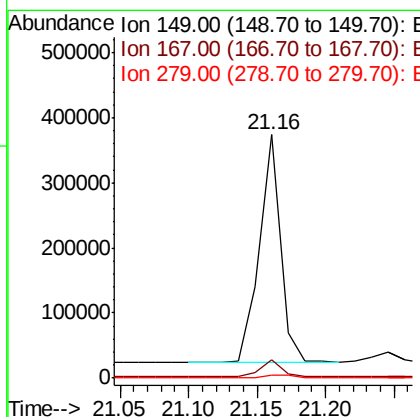
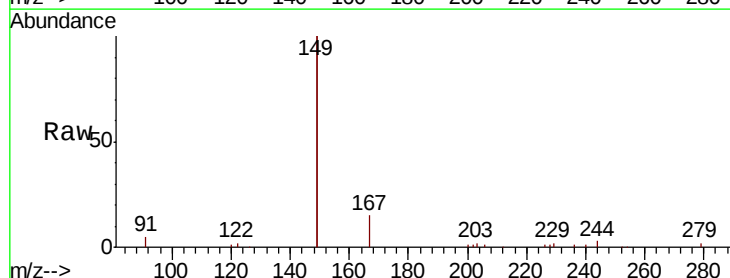
RT: 21.16 min Scan# 1613

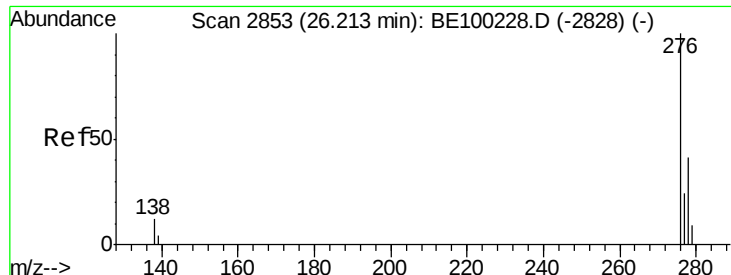
Delta R.T. 0.01 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	149	Resp:	381385
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.6	1.1	1.7





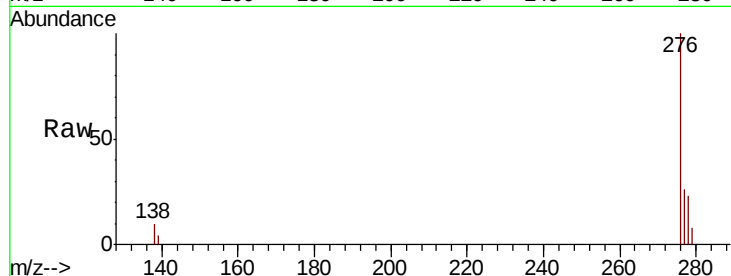
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.444 ng
 RT: 26.27 min Scan# 2868
 Delta R.T. 0.05 min
 Lab File: BE100255.D
 Acq: 29 Jun 2019 3:28

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW117-061719

Tot Ion	Ratio	Resp	Lower	Upper
276	100	150116		
138	8.5		9.4	14.0#
277	23.9		19.2	28.8

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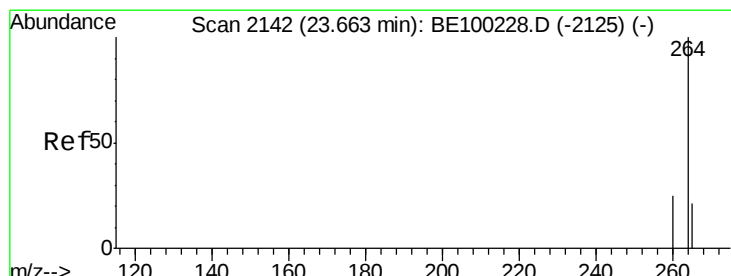
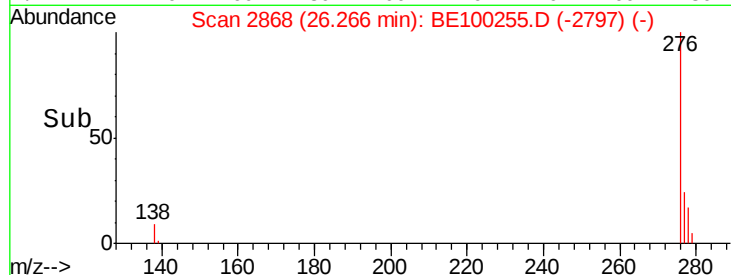
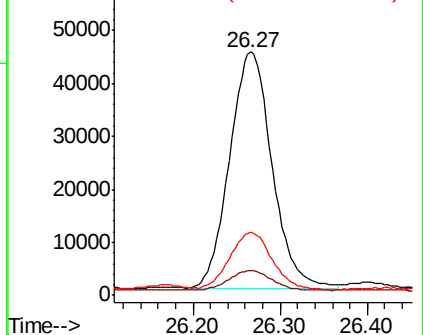


Abundance

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
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.69 min Scan# 2149
 Delta R.T. 0.03 min
 Lab File: BE100255.D
 Acq: 29 Jun 2019 3:28

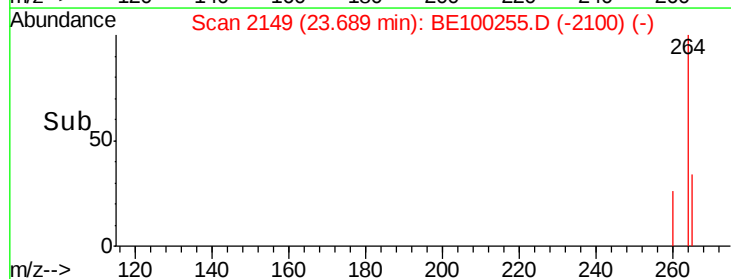
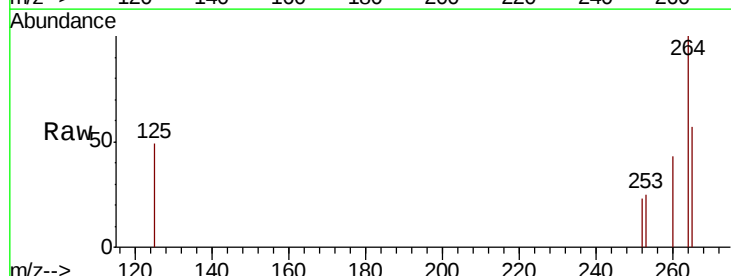
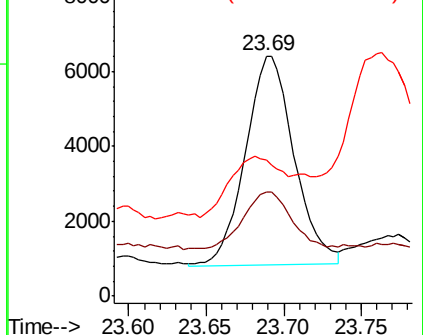
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	12136		
260	43.4		20.8	31.2#
265	56.8		21.8	32.6#

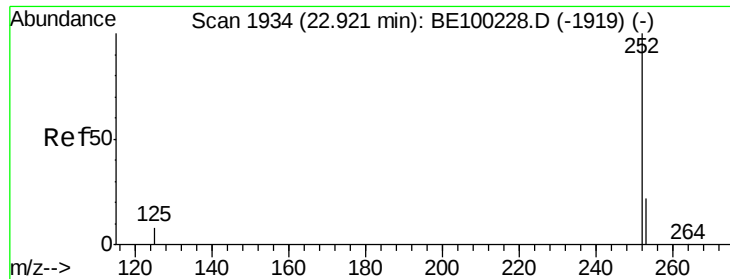
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 8.813 ng

RT: 22.94 min Scan# 1940

Delta R.T. 0.02 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

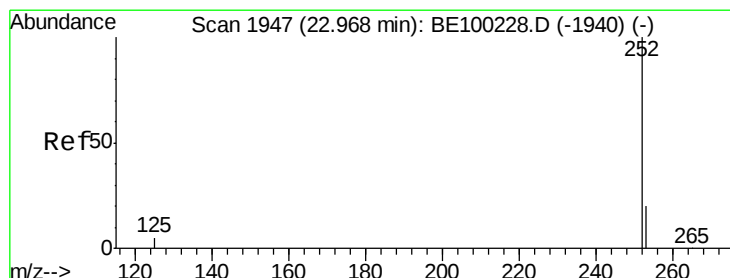
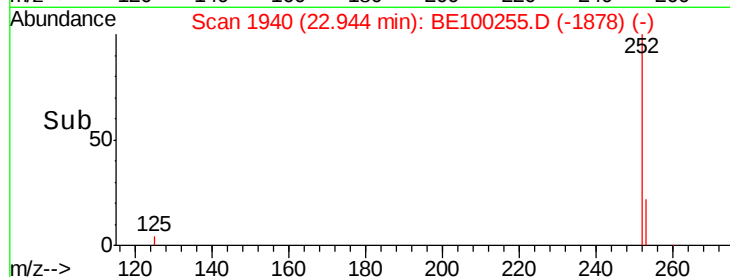
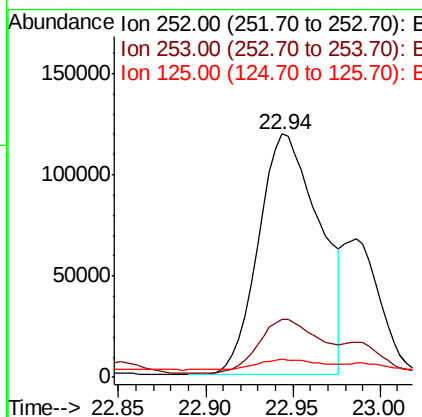
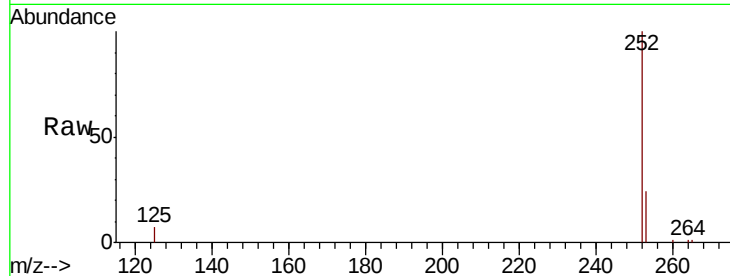
ClientSampleId :

EXT-008-SW117-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.2	28.8
125	7.3	7.4	11.0#

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#36

Benzo(k)fluoranthene

Concen: 2.706 ng m

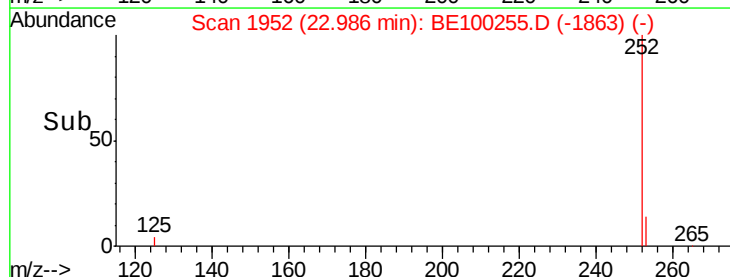
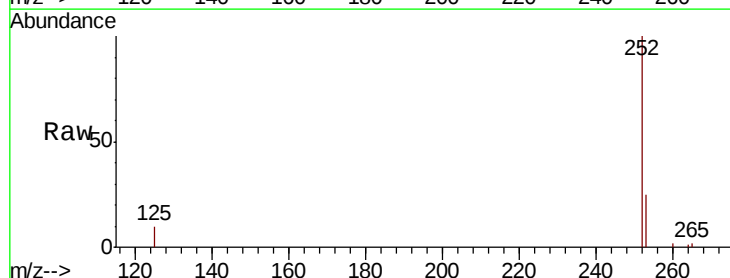
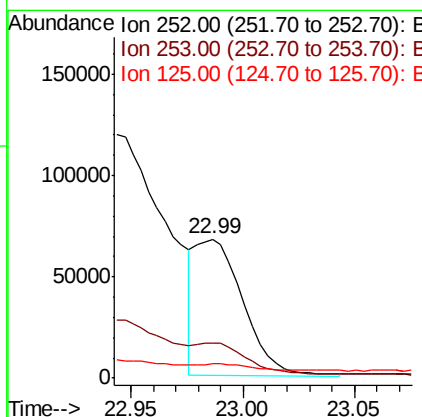
RT: 22.99 min Scan# 1952

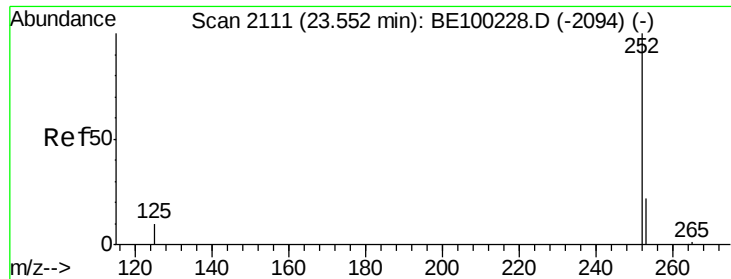
Delta R.T. 0.02 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	10.0	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 6.023 ng/mL

RT: 23.58 min Scan# 2119

Delta R.T. 0.03 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

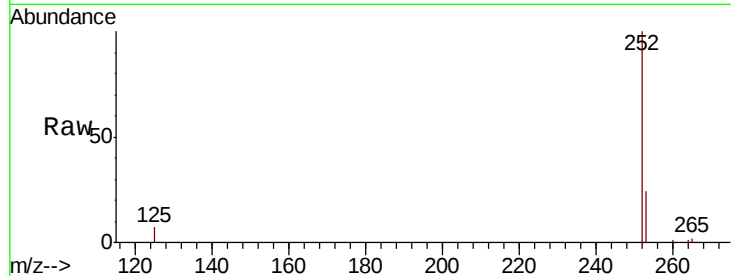
ClientSampleID :

EXT-008-SW117-061719

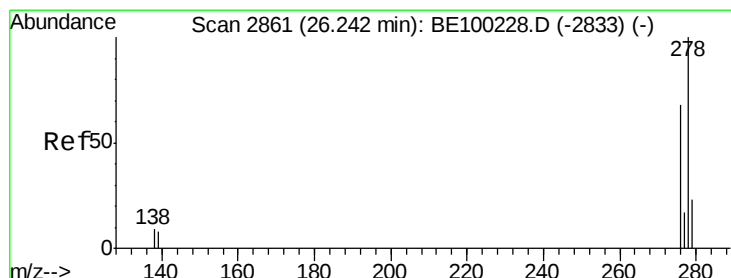
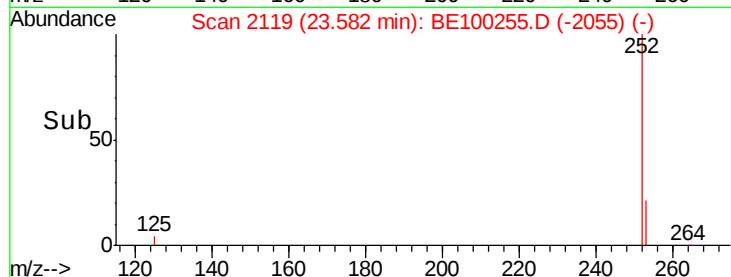
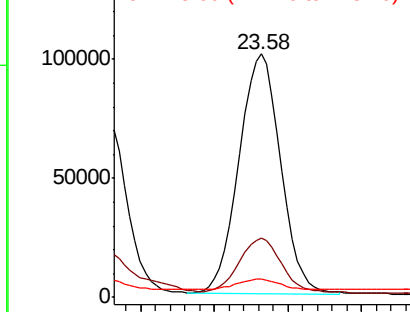
Tot Ion:	252	Resp:	198612
Ion Ratio	Lower	Upper	
252	100		
253	24.4	19.6	29.4
125	7.4	9.0	13.6

Manual Integrations
APPROVED

mohammad
7/1/2019 3:08:00 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 1.136 ng/mL

RT: 26.28 min Scan# 2871

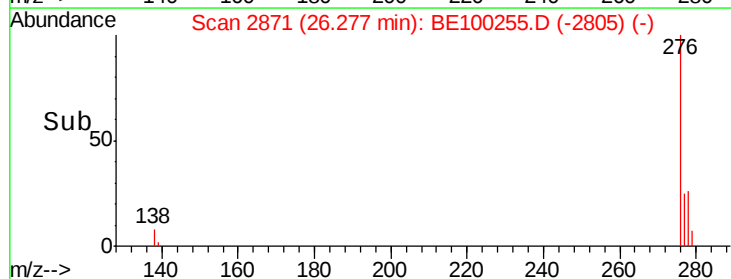
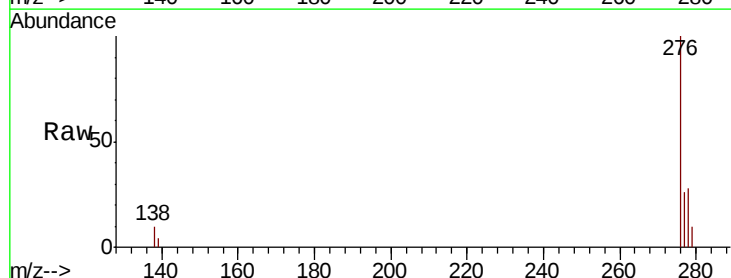
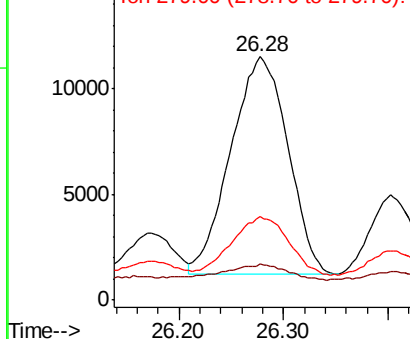
Delta R.T. 0.04 min

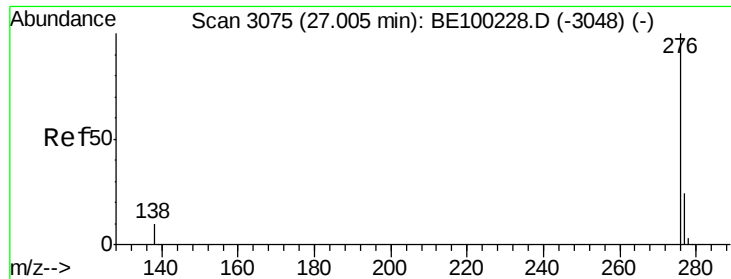
Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Tgt Ion:	278	Resp:	39128
Ion Ratio	Lower	Upper	
278	100		
139	14.8	8.2	12.2
279	34.5	20.3	30.5

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 5.447 ng

RT: 27.07 min Scan# 3092

Delta R.T. 0.06 min

Lab File: BE100255.D

Acq: 29 Jun 2019 3:28

Instrument :

BNA_E

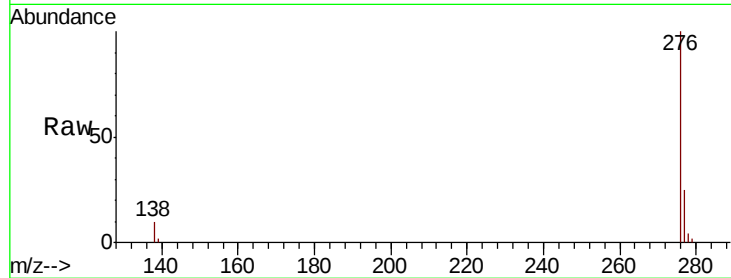
ClientSampleId :

EXT-008-SW117-061719

Tot Ion:	276	Resp:	192722
Ion Ratio	Lower	Upper	
276	100		
277	24.9	20.2	30.2
138	9.9	9.0	13.6

Manual Integrations
APPROVED

mohammad
7/1/2019 3:08:00 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

