

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100789.D
 Acq On : 5 Dec 2019 15:10
 Operator : JU
 Sample : K6053-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW178-112519

Manual Integrations
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Quant Time: Dec 05 18:04:47 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	6258	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	28220	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	17389	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	42923	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	45026	0.40	ng	0.00
34) Perylene-d12	23.75	264	55332	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	5011	0.34	ng	0.00
5) Phenol-d6	6.93	99	8193	0.37	ng	0.00
8) Nitrobenzene-d5	8.90	82	5346	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	10371	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1273	0.66	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	14296	0.21	ng	0.00
25) Fluoranthene-d10	19.16	212	122773	0.24	ng	0.00
29) Terphenyl-d14	19.76	244	26206	0.24	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.59	128	106929	0.357	ng	100
12) 2-Methylnaphthalene	12.21	142	16270	0.347	ng	98
16) Acenaphthylene	14.11	152	202884	2.820	ng	99
17) Acenaphthene	14.46	154	10809	0.218	ng	98
18) Fluorene	15.43	166	39615	0.620	ng	# 87
22) Pentachlorophenol	16.79	266	171	0.108	ng	97
23) Phenanthrene	17.16	178	1052827	8.098	ng	99
24) Anthracene	17.25	178	138454	1.273	ng	96
26) Fluoranthene	19.19	202	1941017	12.509	ng	97
28) Pylene	19.55	202	2264126	15.476	ng	95
30) Benzo(a)anthracene	21.29	228	1173181	8.840	ng	# 91
31) Chrysene	21.34	228	1113853	7.143	ng	96
32) Bis(2-ethylhexyl)phthalate	21.25	149	85434	0.865	ng	99
33) Indeno(1,2,3-cd)pyrene	26.33	276	653123	4.808	ng	97
35) Benzo(b)fluoranthene	23.01	252	1239954	8.185	ng	99
36) Benzo(k)fluoranthene	23.05	252	495591m	2.917	ng	
37) Benzo(a)pyrene	23.64	252	1015480	7.743	ng	98
38) Dibenzo(a,h)anthracene	26.35	278	160770	1.232	ng	92
39) Benzo(g,h,i)perylene	27.12	276	731803	5.245	ng	99

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

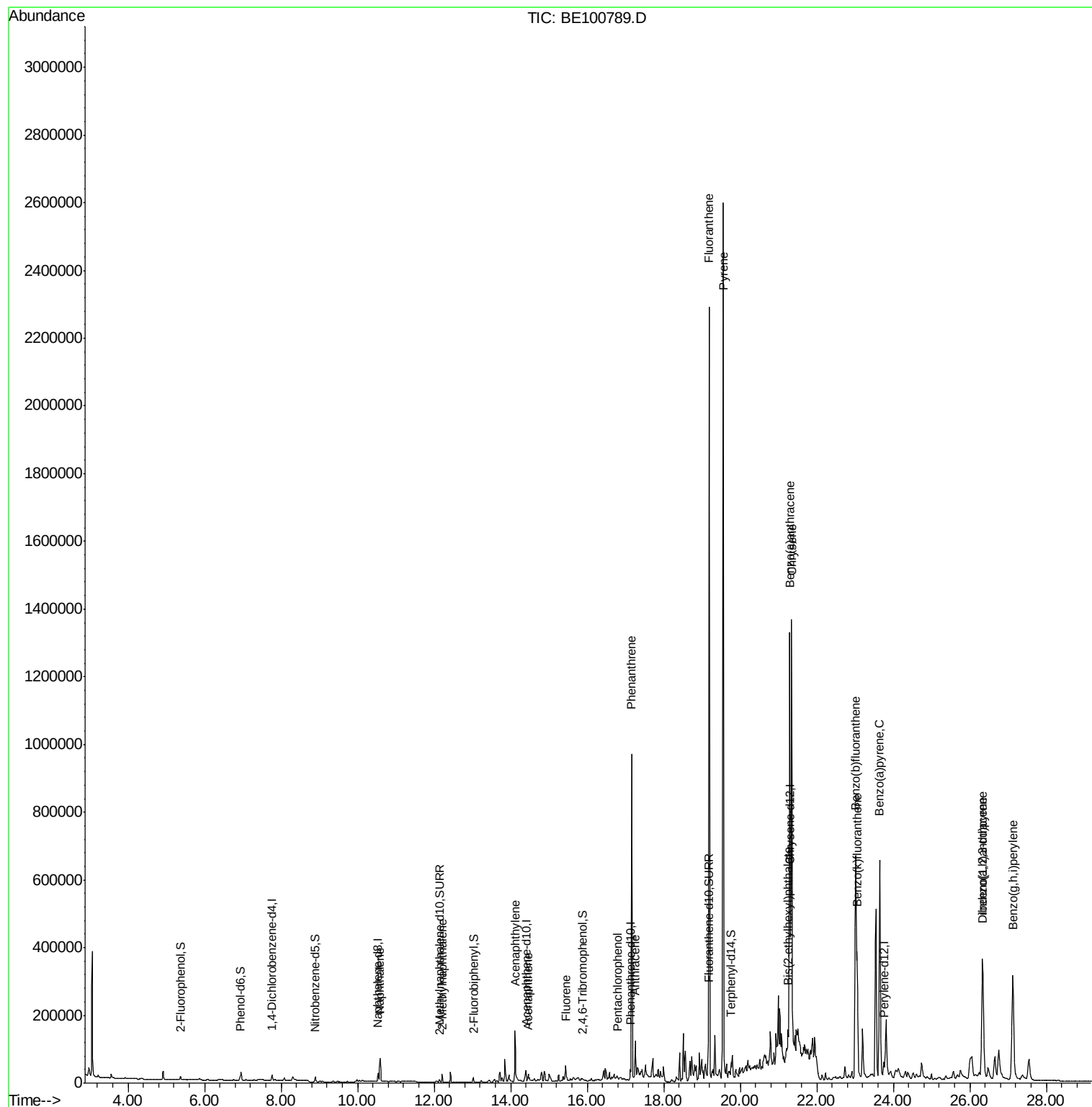
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
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Sample : K6053-01
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ALS Vial : 10 Sample Multiplier: 1

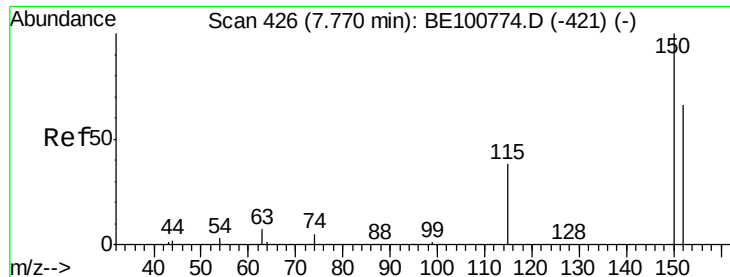
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

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Quant Time: Dec 05 18:04:47 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

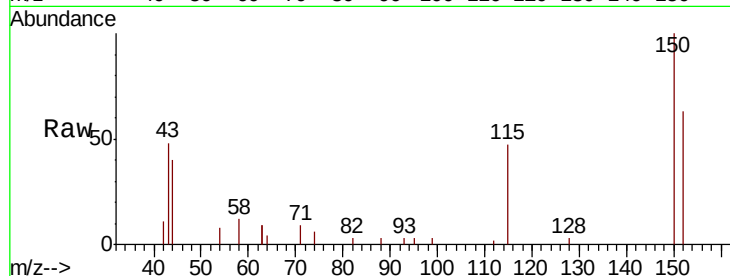
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	120.6	181.0
115	74.3	47.4	71.2

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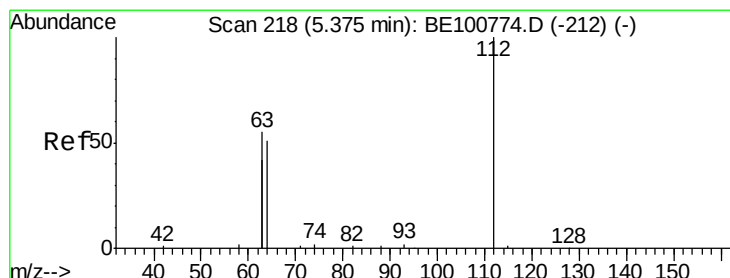
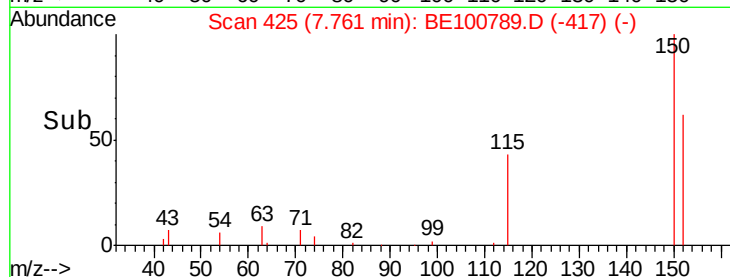
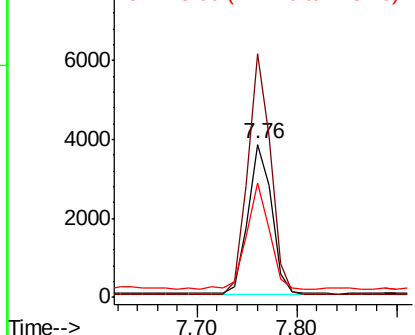


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

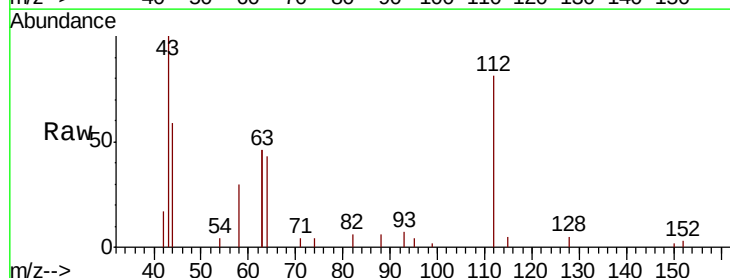
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.337 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	54.1	81.1
63	140.3	113.2	169.8

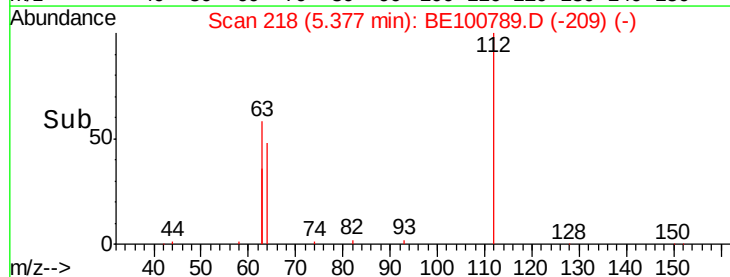
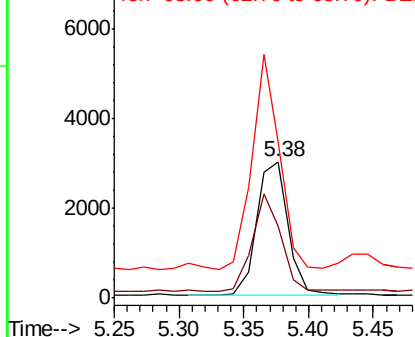


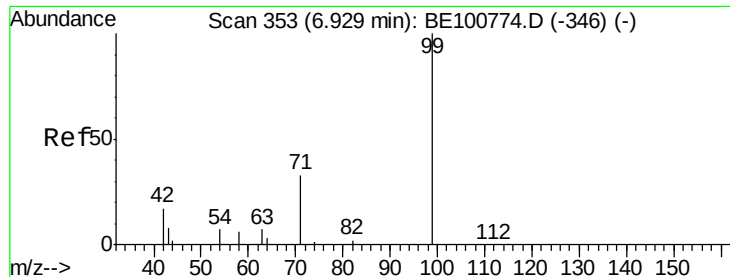
Abundance

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: 0.365 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

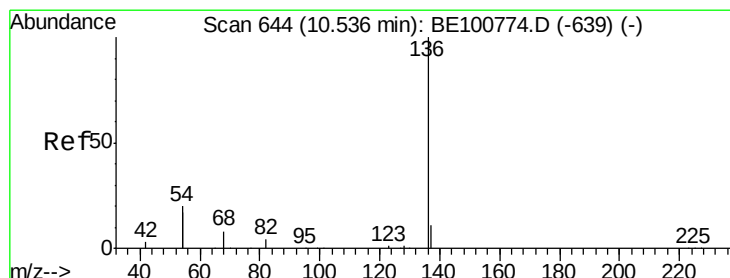
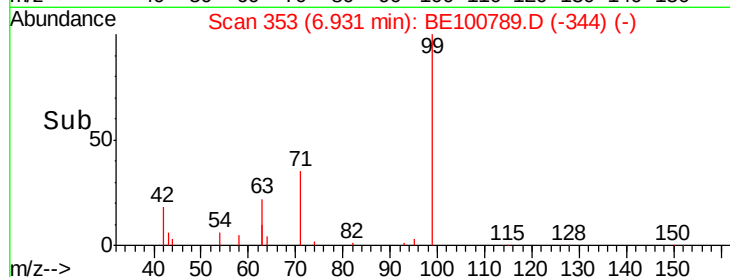
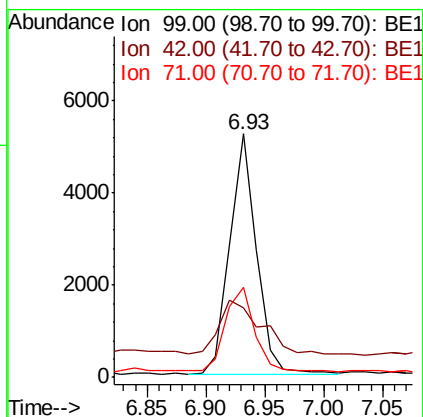
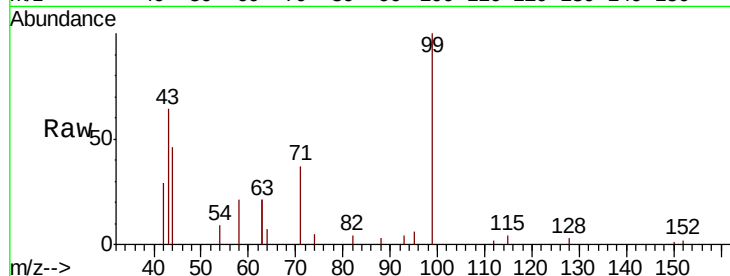
ClientSampleId :

EXT-084-SW178-112519

Tot Ion:	99	Resp:	8193
Ion Ratio	Lower	Upper	
99	100		
42	35.4	19.1	28.7#
71	37.7	27.7	41.5

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#7

Naphthalene-d8

Concen: 0.400 ng

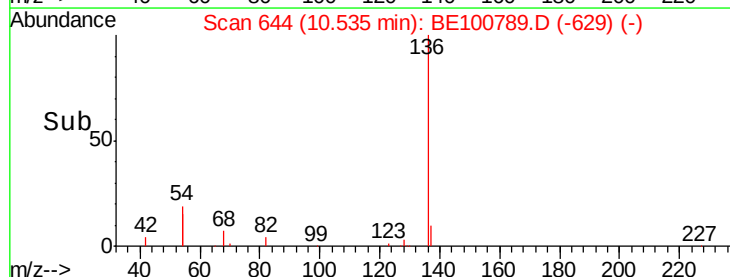
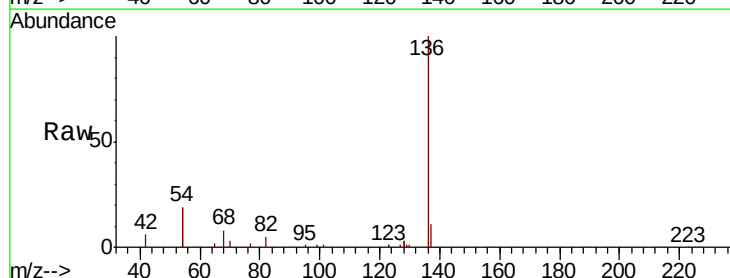
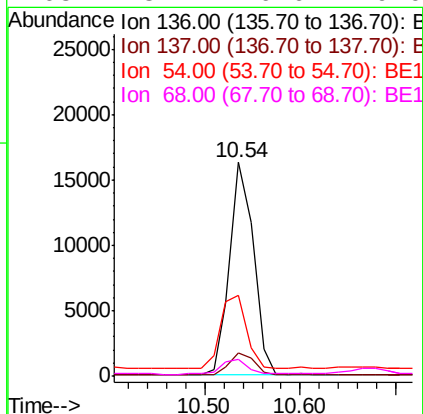
RT: 10.54 min Scan# 644

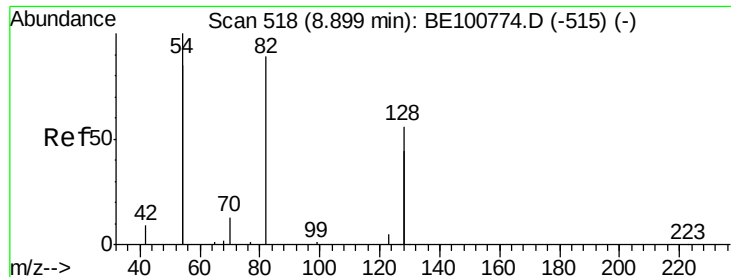
Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Tgt Ion:	136	Resp:	28220
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.4	14.0
54	37.6	31.1	46.7
68	8.1	6.6	10.0





#8

Nitrobenzene-d5

Concen: 0.398 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

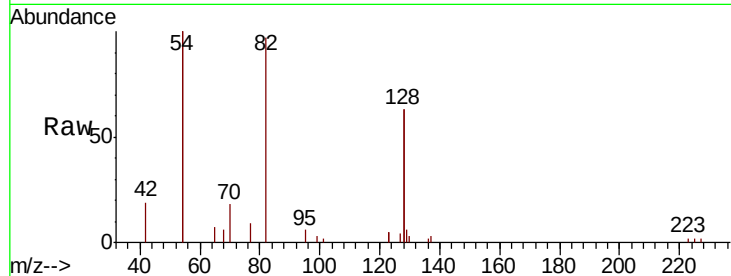
ClientSampleId :

EXT-084-SW178-112519

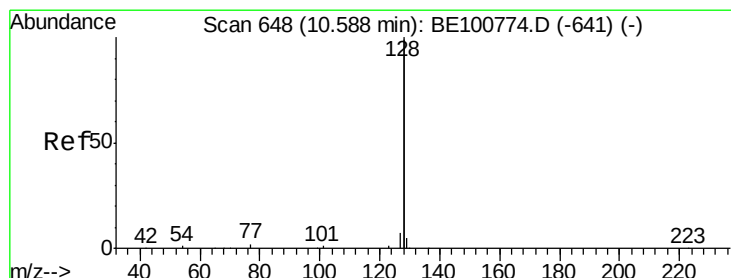
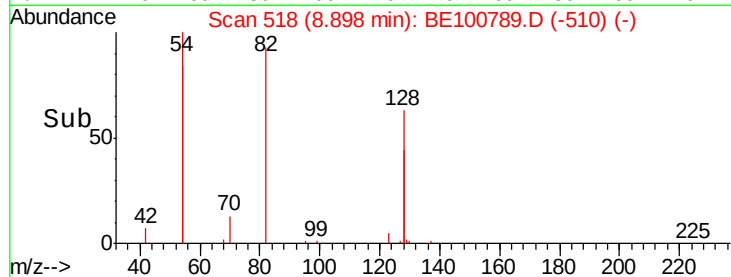
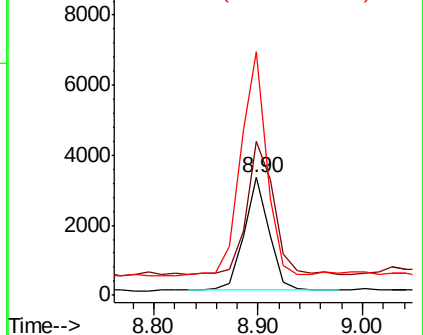
Tot Ion:	82	Resp:	5346
Ion Ratio	Lower	Upper	
82	100		
128	130.7	97.0	145.4
54	206.7	171.8	257.6

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.357 ng

RT: 10.59 min Scan# 648

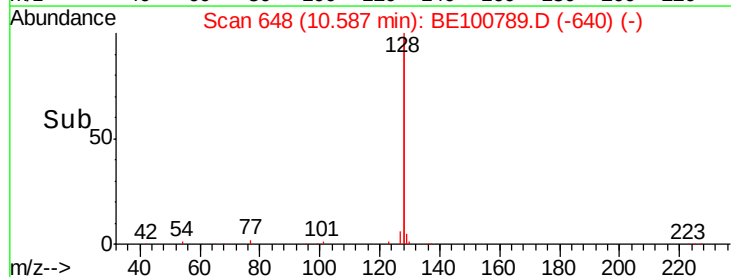
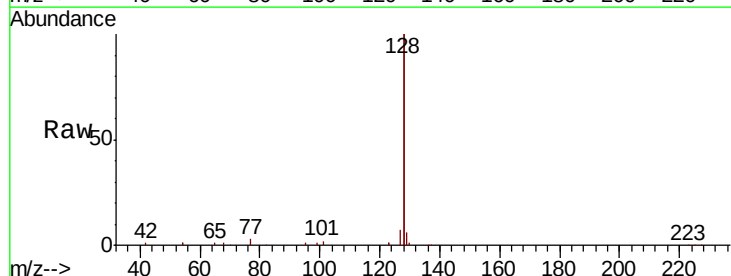
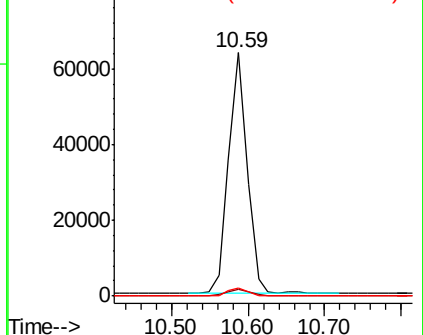
Delta R.T. -0.00 min

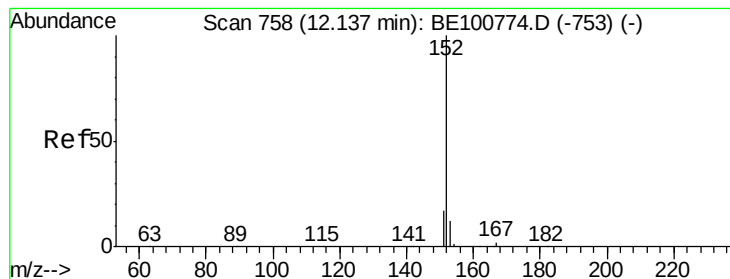
Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Tgt Ion:	128	Resp:	106929
Ion Ratio	Lower	Upper	
128	100		
129	2.9	2.2	3.4
127	3.3	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





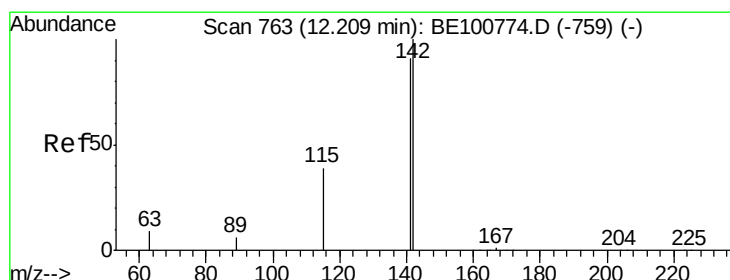
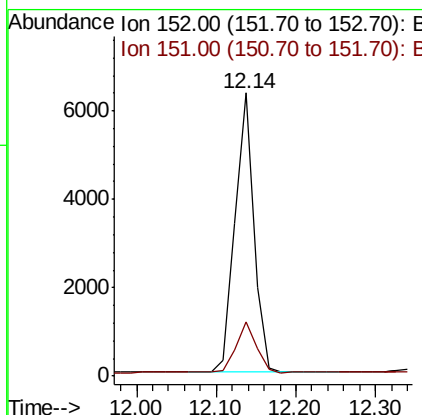
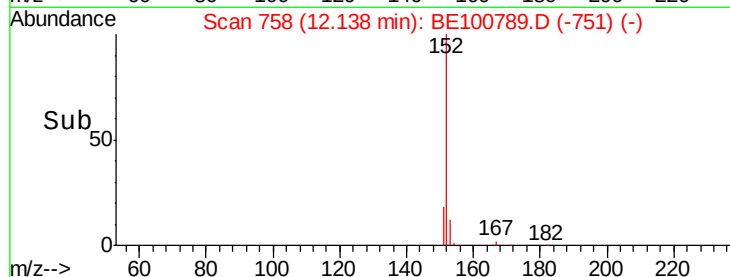
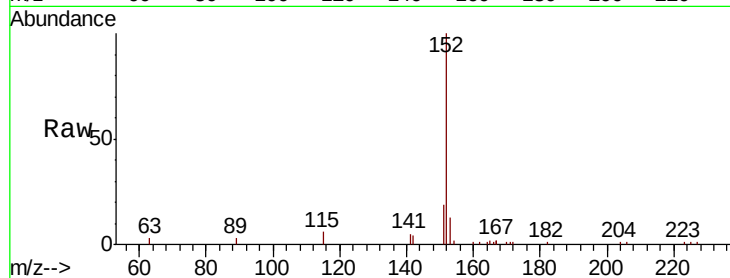
#11
2-Methylnaphthalene-d10
Concen: 0.254 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8

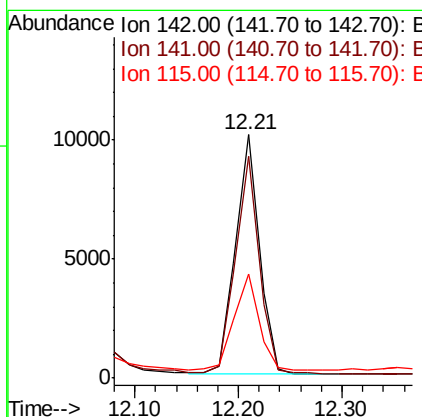
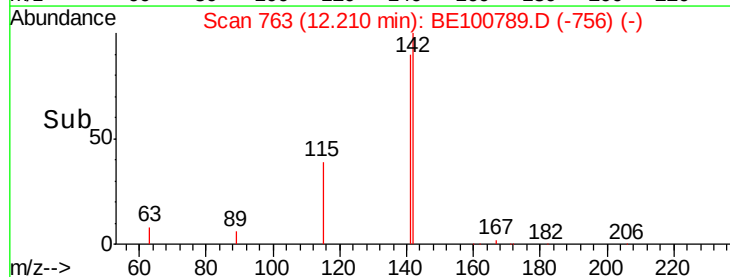
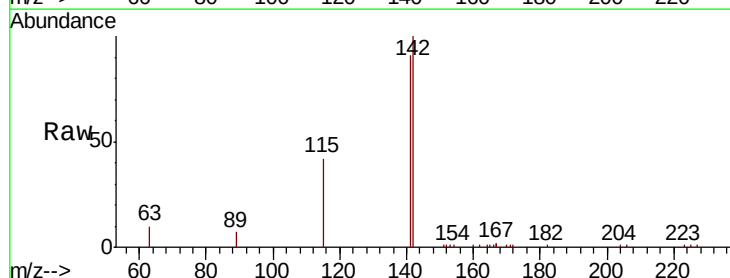
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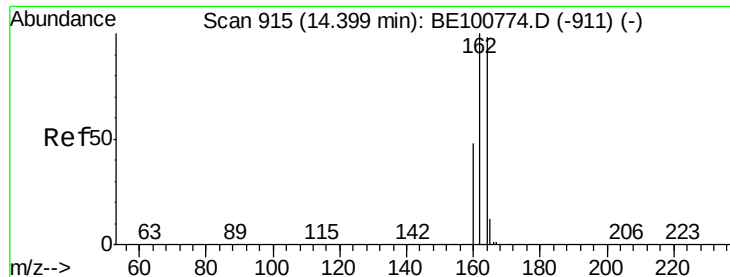
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#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.6	108.8
115	42.5	31.8	47.6





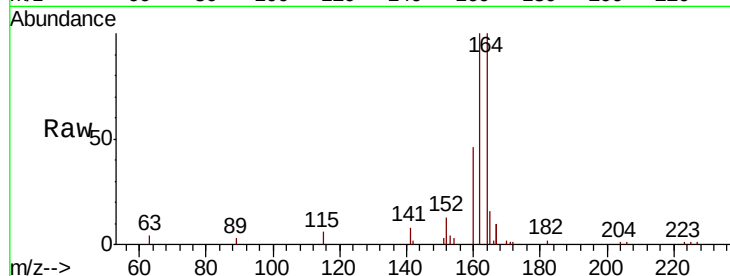
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.4	122.0
160	46.4	39.4	59.0

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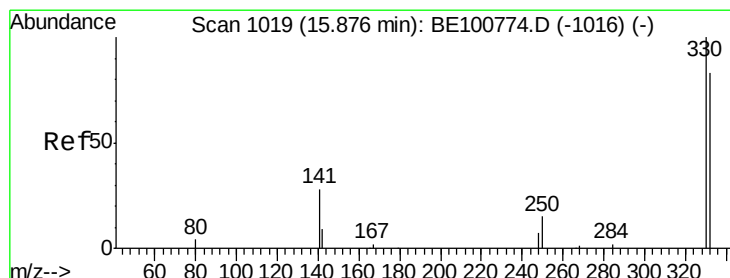
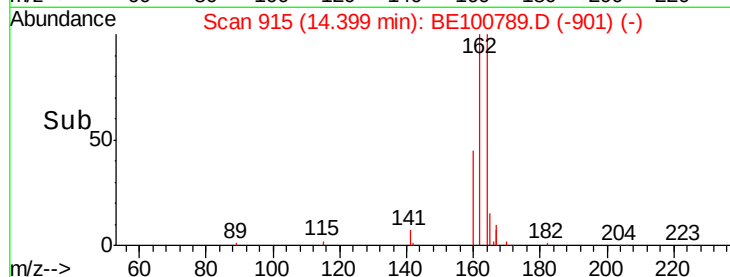
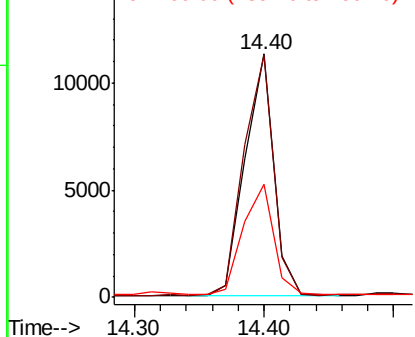


Abundance

Ion 164.00 (163.70 to 164.70): E

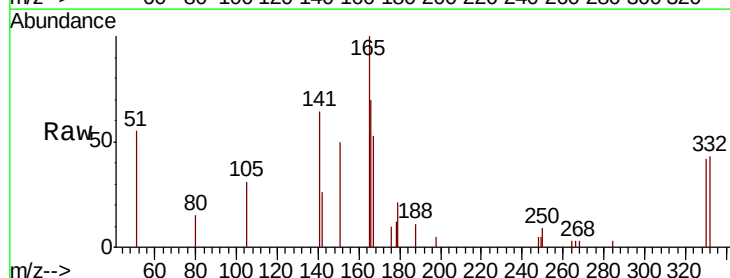
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.658 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.1	69.4	104.2
141	194.0	51.1	76.7#

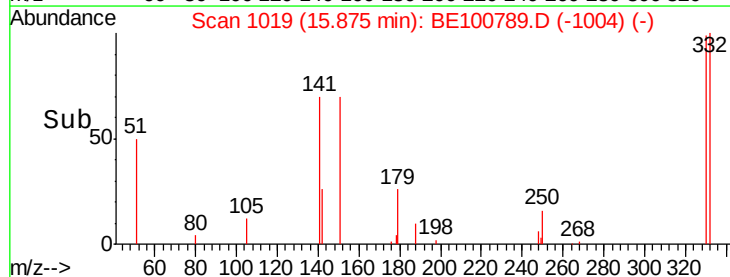
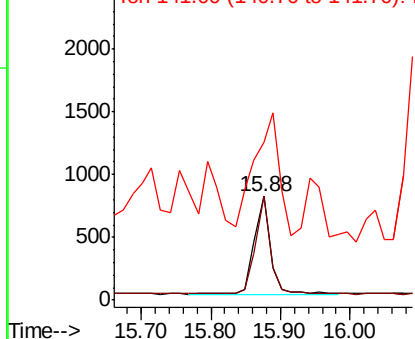


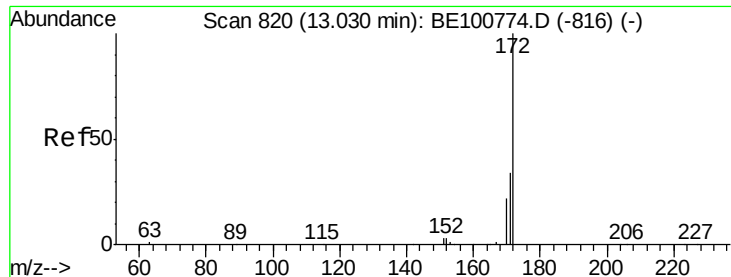
Abundance

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





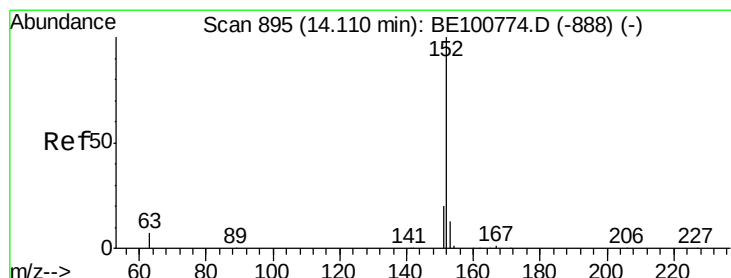
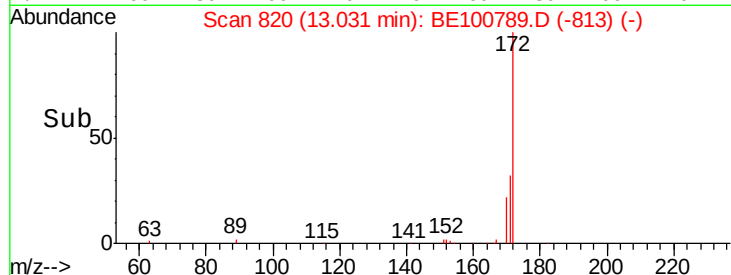
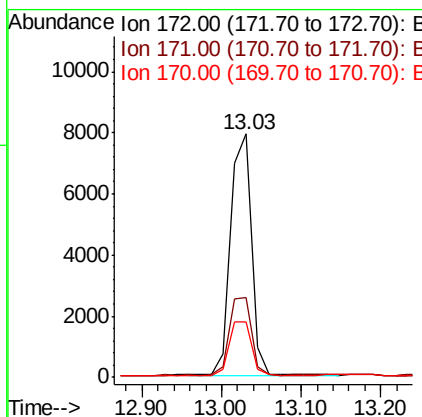
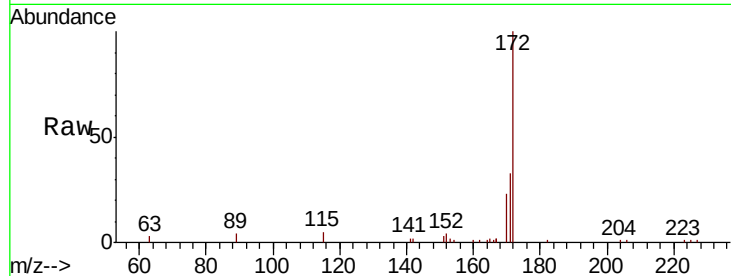
#15
2-Fluorobiphenyl
Concen: 0.207 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.8	27.2	40.8
170	22.6	18.0	27.0

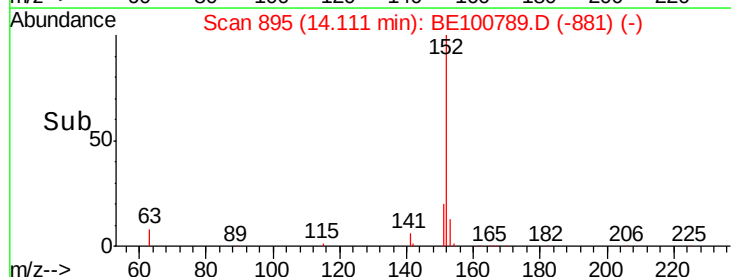
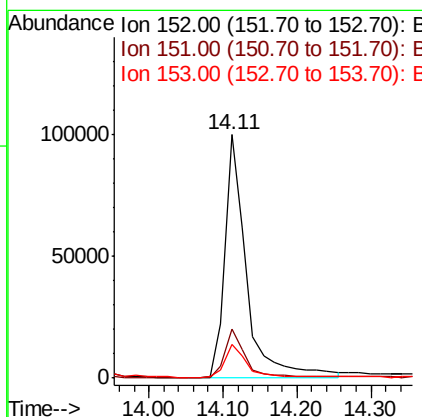
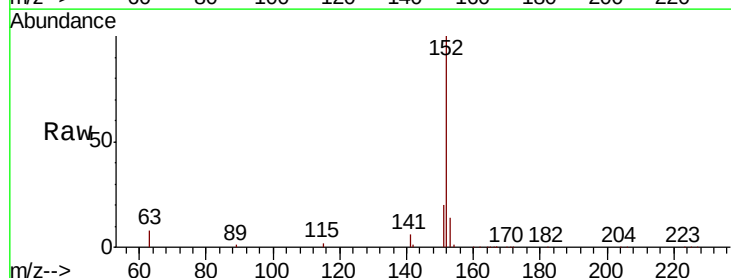
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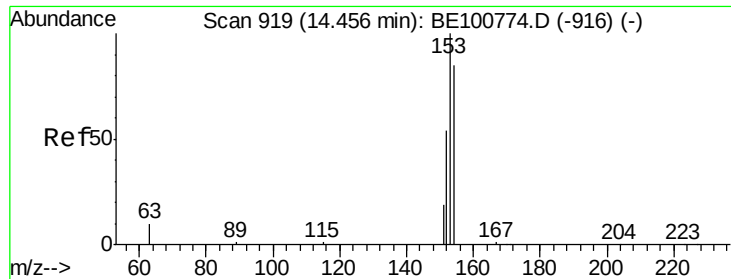
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#16
Acenaphthylene
Concen: 2.820 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.7	10.4	15.6





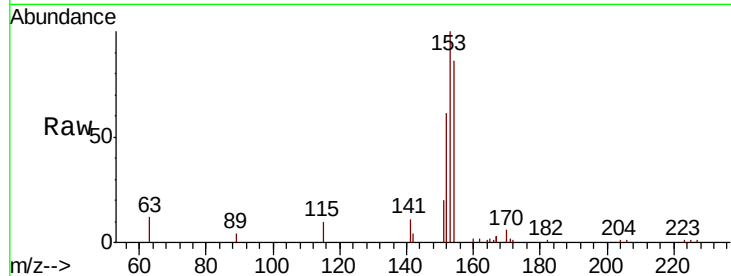
#17
Acenaphthene
Concen: 0.218 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.1	92.2	138.2
152	59.2	49.1	73.7

Manual Integrations
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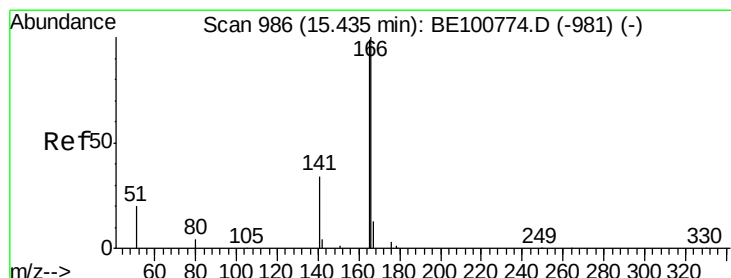
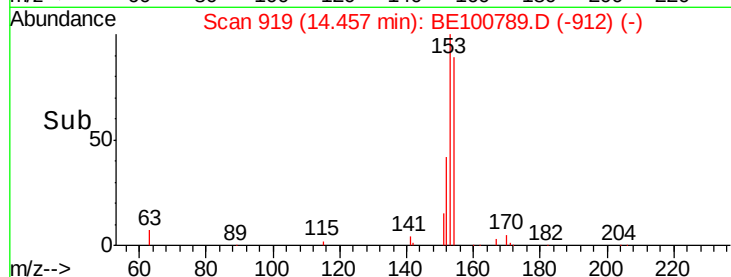
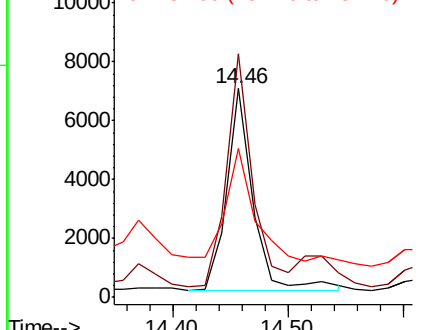


Abundance

Ion 154.00 (153.70 to 154.70): E

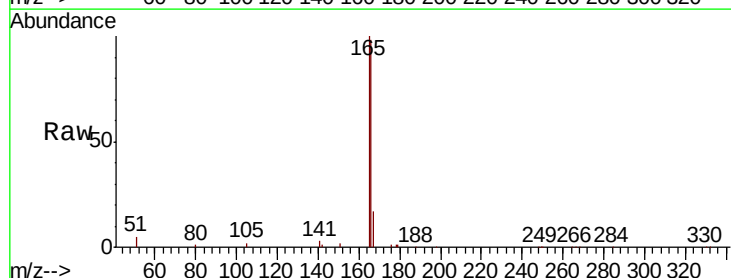
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.620 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.2	80.5	120.7
167	19.1	10.7	16.1

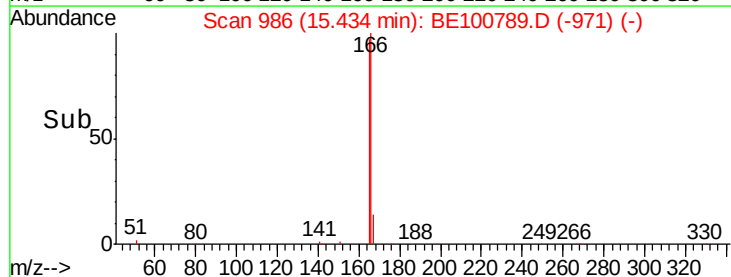
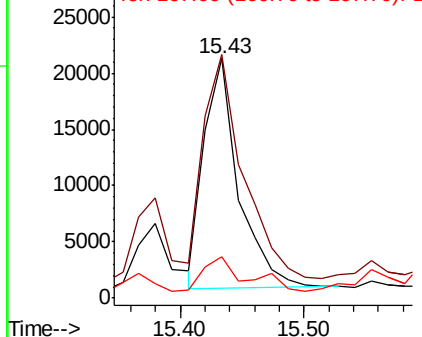


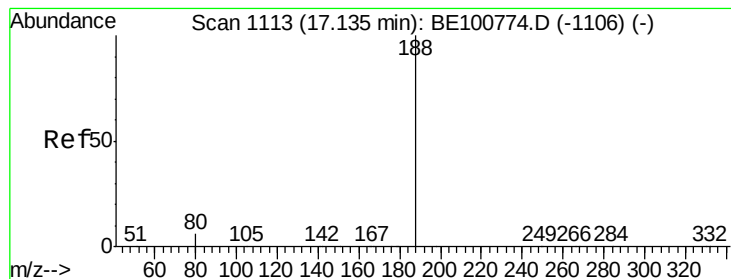
Abundance

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: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

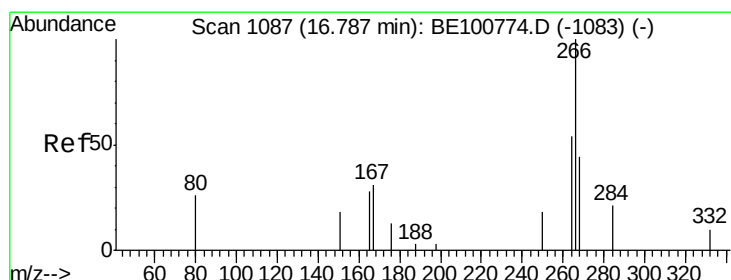
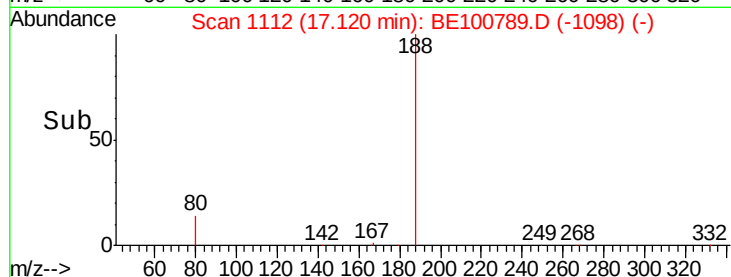
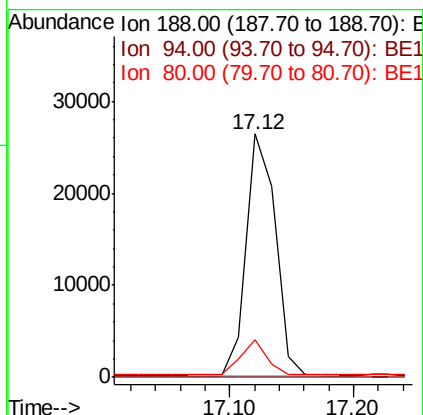
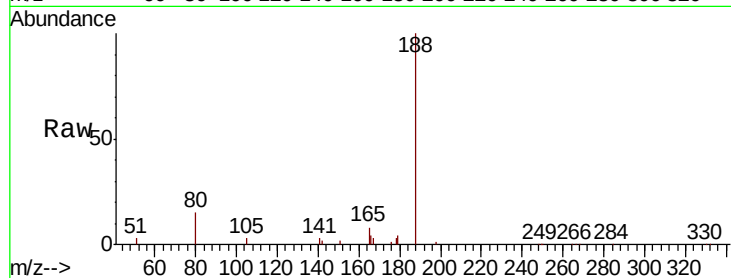
ClientSampleId :

EXT-084-SW178-112519

Tot Ion:	188	Resp:	42923
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.2	5.2	7.8#

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#22

Pentachlorophenol

Concen: 0.108 ng

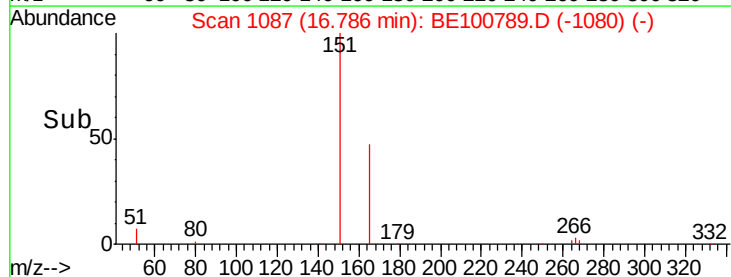
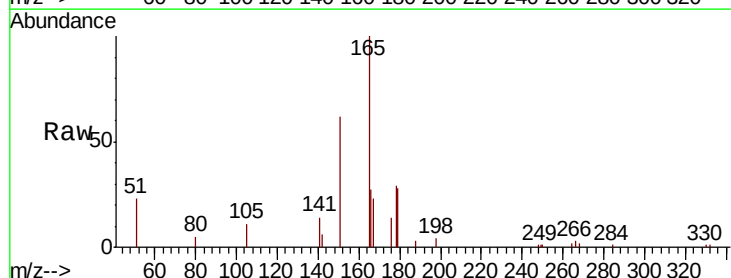
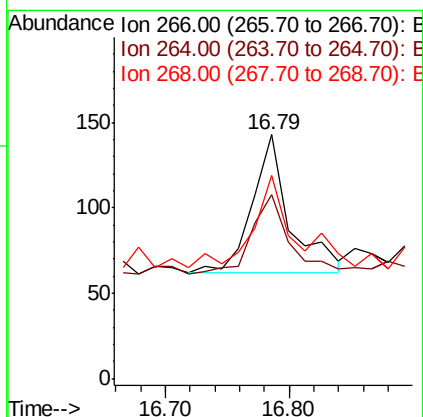
RT: 16.79 min Scan# 1087

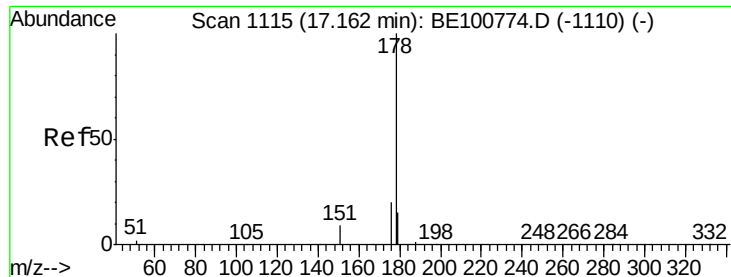
Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Tgt Ion:	266	Resp:	171
Ion Ratio	Lower	Upper	
266	100		
264	75.5	63.4	95.0
268	83.2	65.8	98.8





#23

Phenanthrene

Concen: 8.098 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519

Tot Ion:178 Resp: 1052827

Ion Ratio Lower Upper

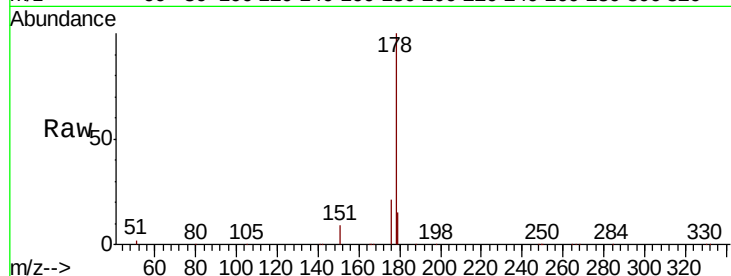
178 100

176 19.8 15.5 23.3

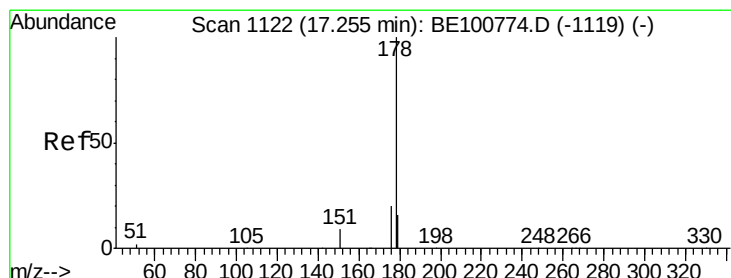
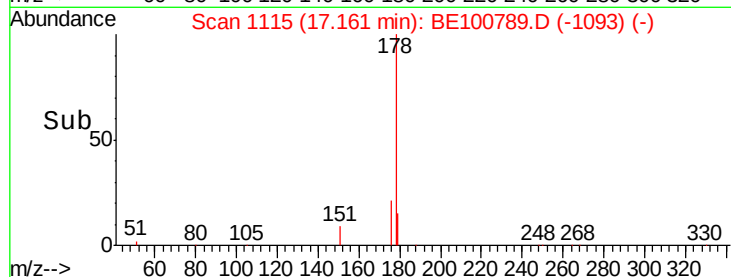
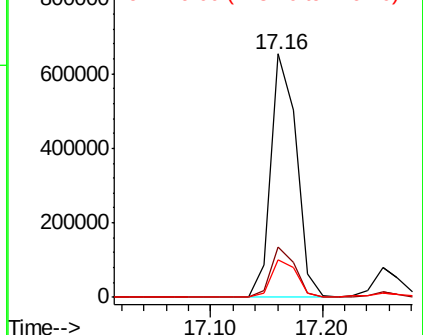
179 15.9 12.3 18.5

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.273 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

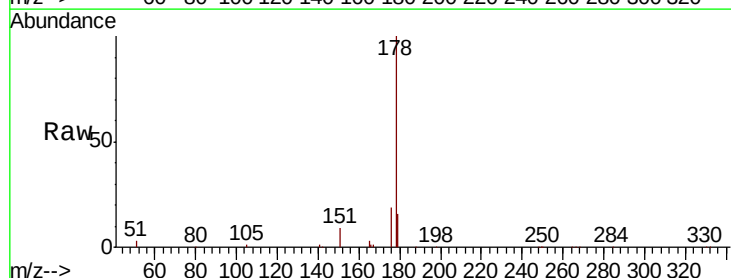
Tgt Ion:178 Resp: 138454

Ion Ratio Lower Upper

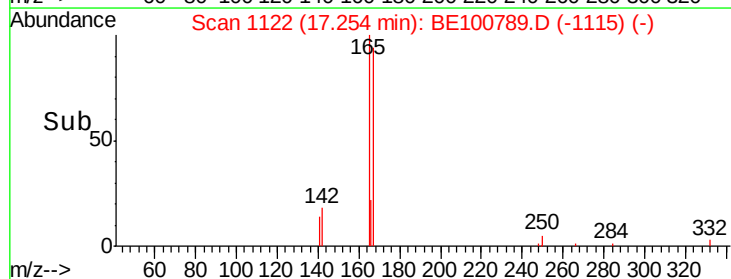
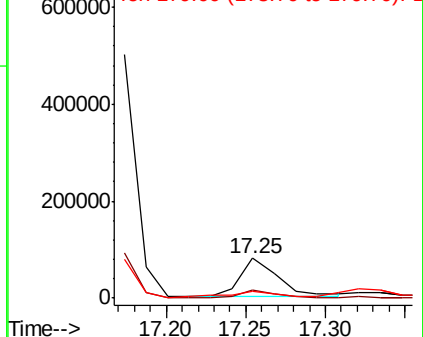
178 100

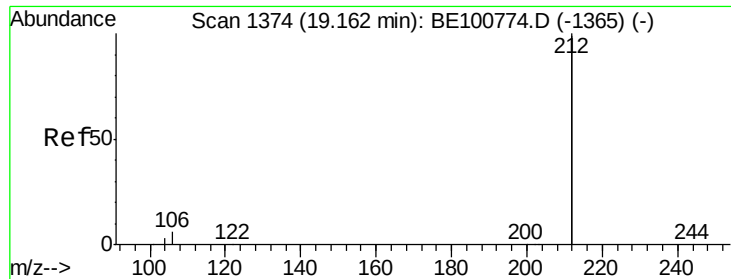
176 18.8 15.4 23.2

179 13.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.242 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

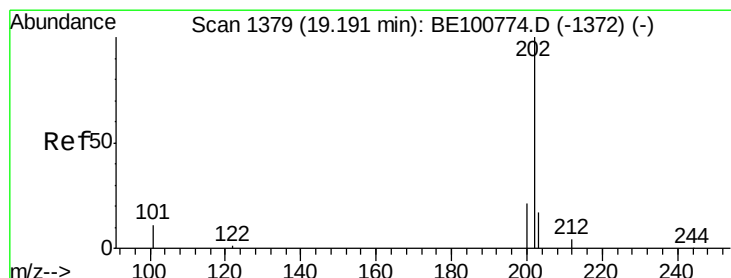
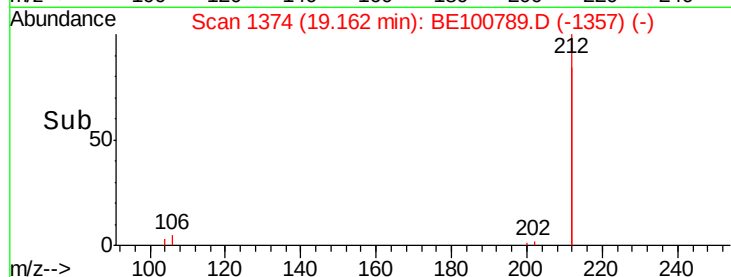
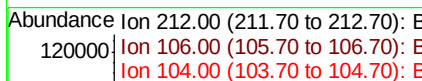
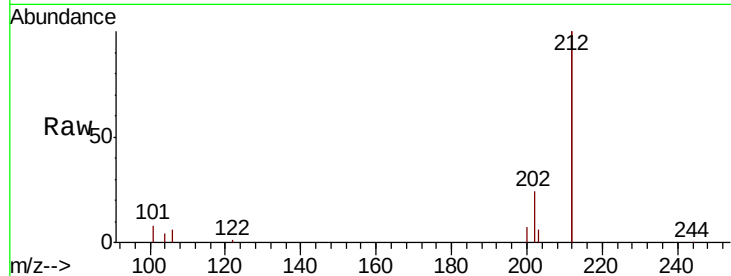
ClientSampleId :

EXT-084-SW178-112519

Tot Ion	Ratio	Resp	Lower	Upper
212	100	122773		
106	3.3	2.6	3.8	
104	2.3	1.4	2.2	

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#26

Fluoranthene

Concen: 12.509 ng

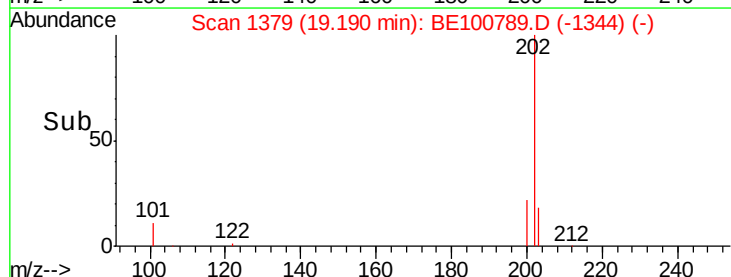
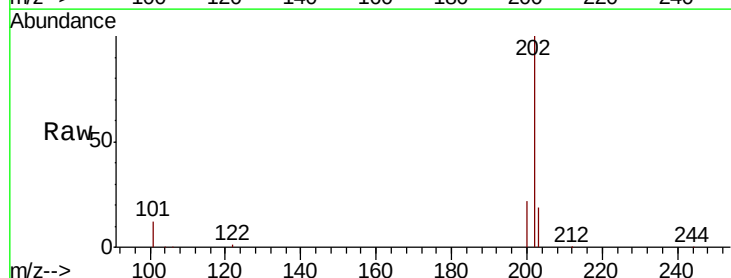
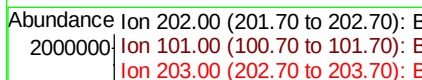
RT: 19.19 min Scan# 1379

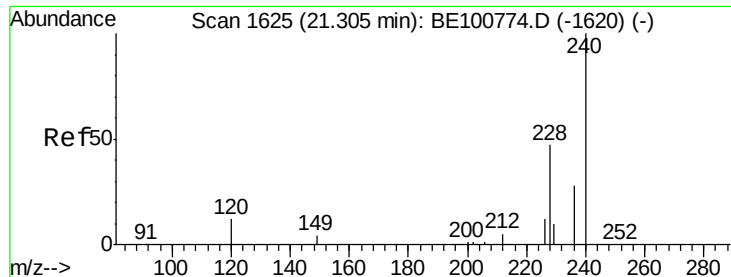
Delta R.T. -0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1941017		
101	12.3	9.1	13.7	
203	18.4	13.8	20.6	





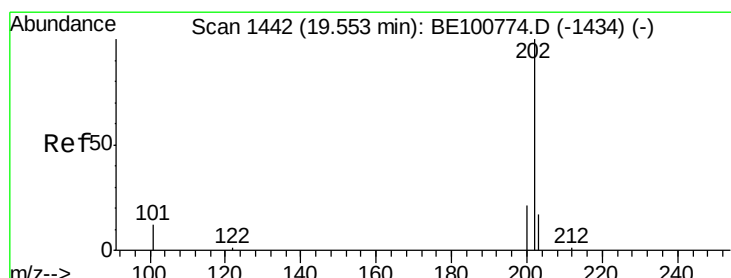
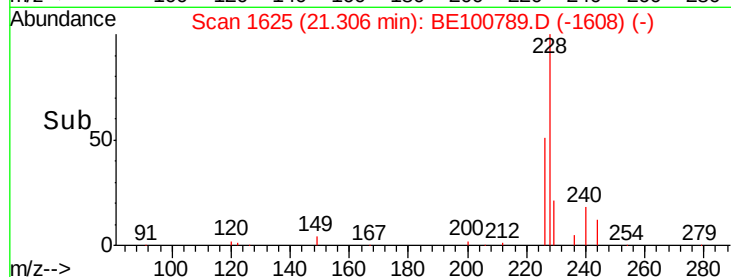
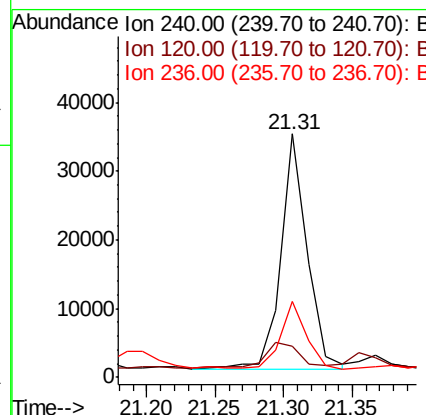
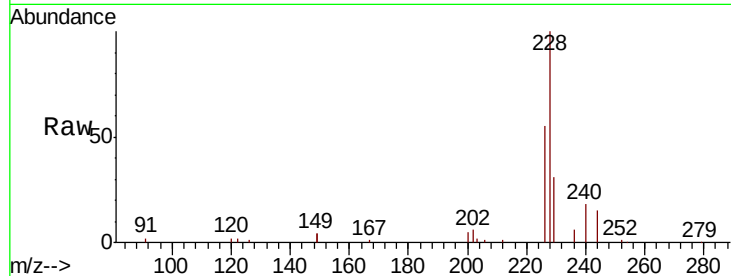
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.2	15.2
236	31.0	22.3	33.5

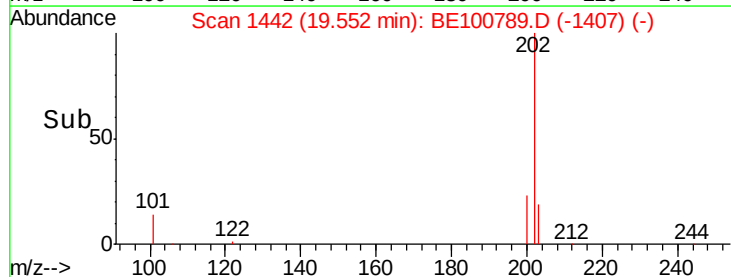
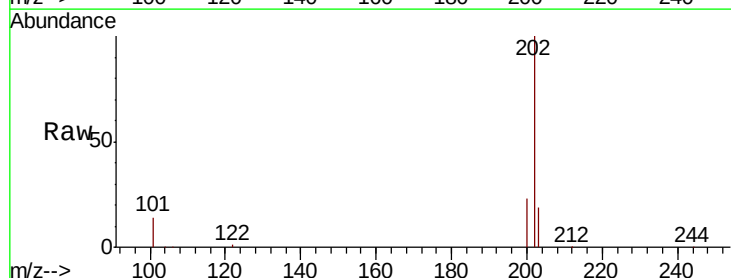
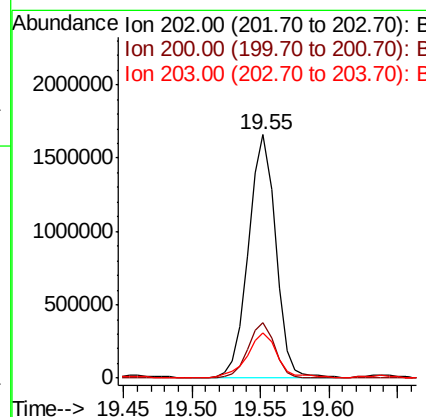
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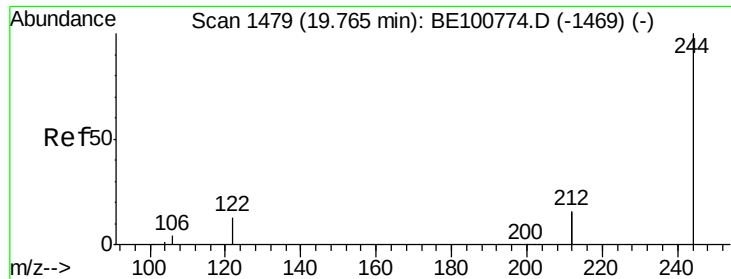
mohammad
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#28
Pyrene
Concen: 15.476 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.0	25.4
203	20.7	13.9	20.9





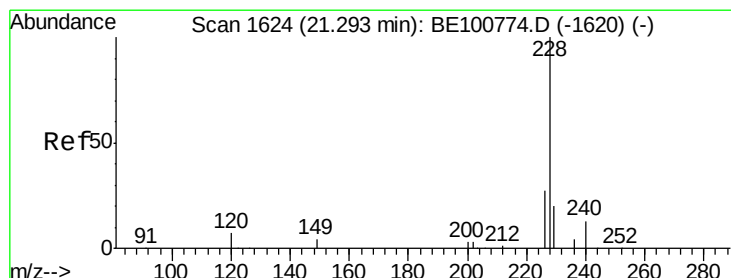
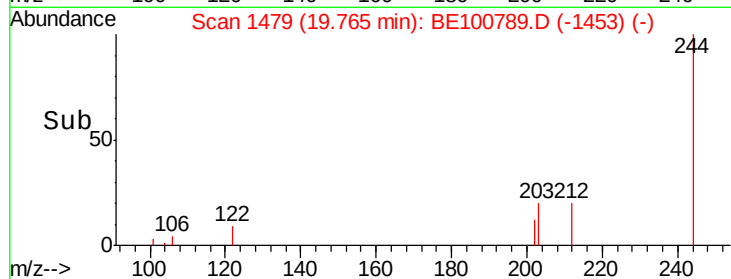
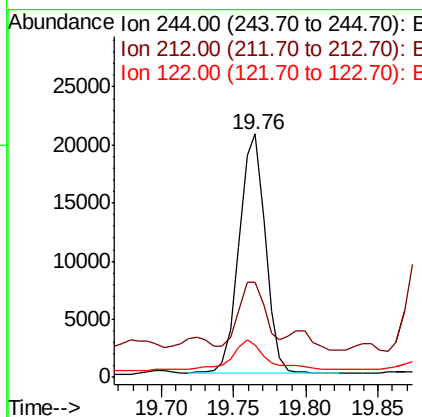
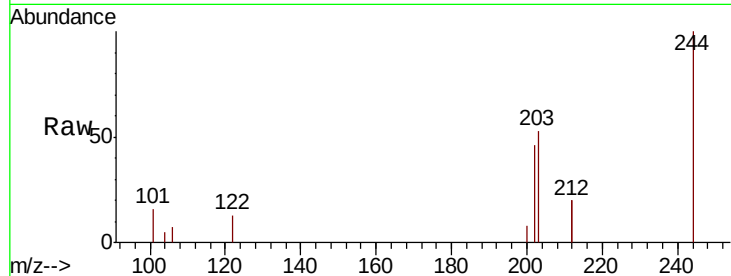
#29
 Terphenyl-d14
 Concen: 0.243 ng
 RT: 19.76 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: BE100789.D
 Acq: 5 Dec 2019 15:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
244	100		
212	39.3	26.2	39.4
122	13.1	10.2	15.4

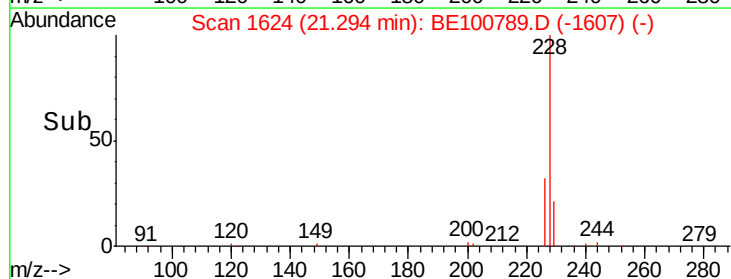
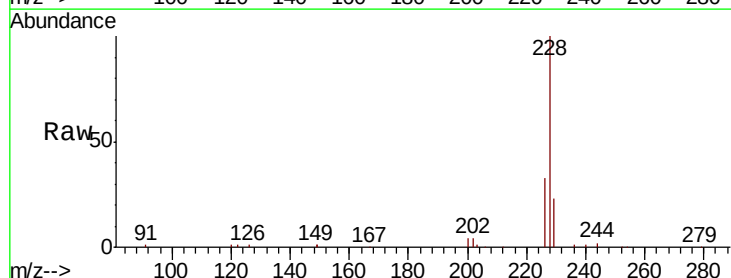
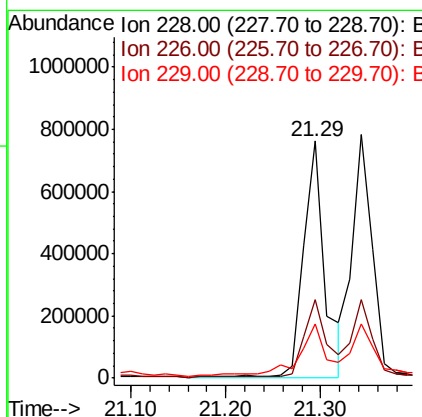
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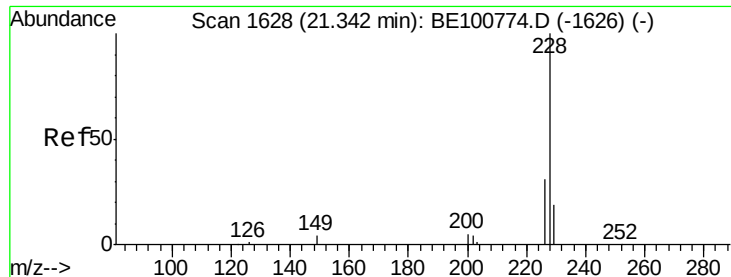
mohammad
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#30
 Benzo(a)anthracene
 Concen: 8.840 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BE100789.D
 Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	21.5	32.3#
229	22.7	16.0	24.0





#31

Chrysene

Concen: 7.143 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

ClientSampleID :

EXT-084-SW178-112519

Tot Ion:228 Resp: 1113853

Ion Ratio Lower Upper

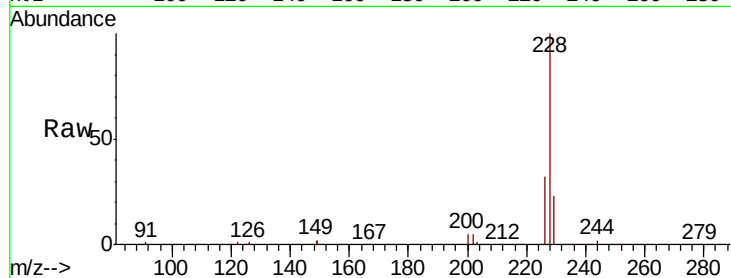
228 100

226 32.4 25.0 37.4

229 22.5 15.4 23.2

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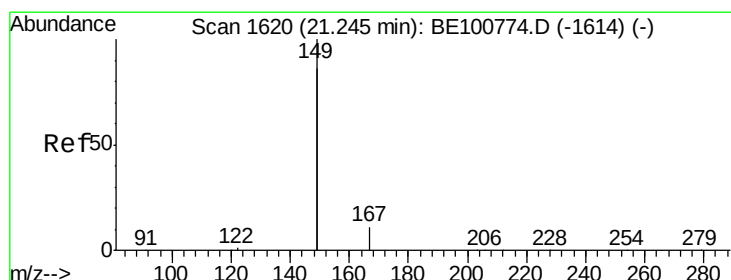
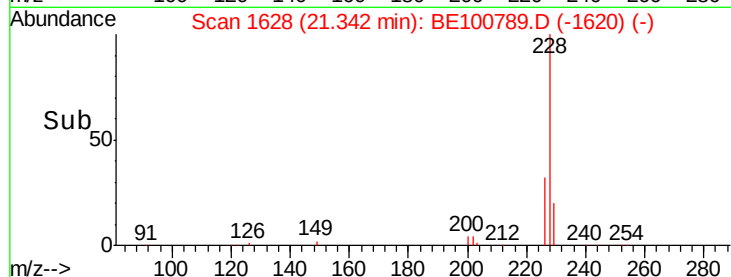
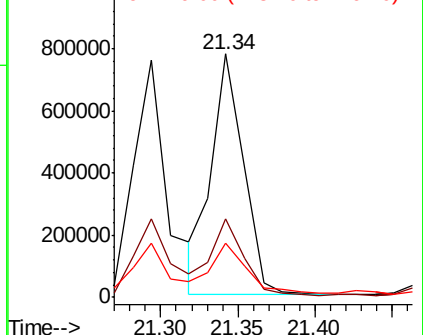


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.865 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100789.D

Acq: 5 Dec 2019 15:10

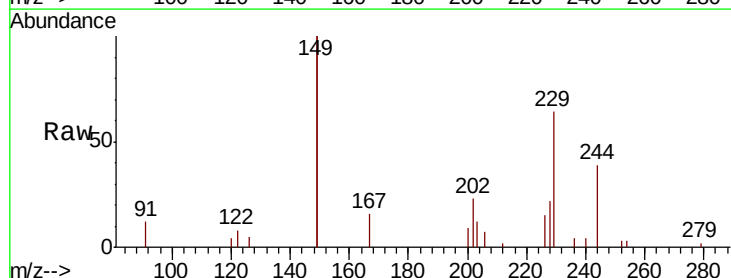
Tgt Ion:149 Resp: 85434

Ion Ratio Lower Upper

149 100

167 6.5 5.0 7.6

279 1.0 0.7 1.1

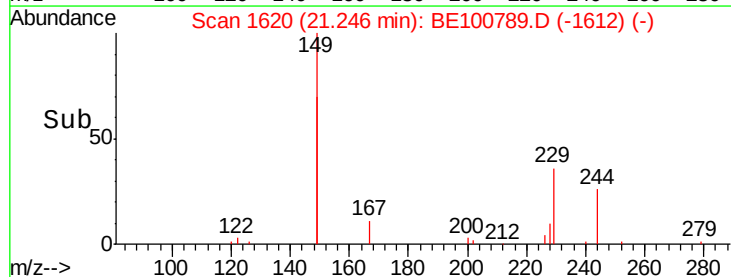
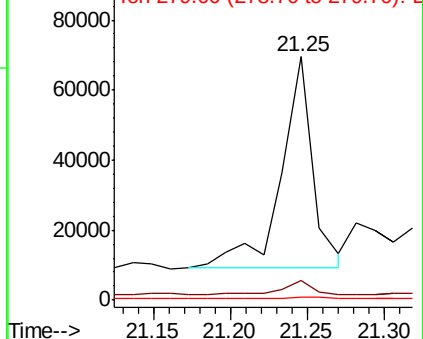


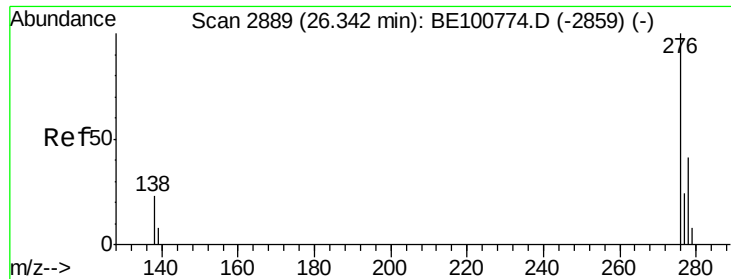
Abundance

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





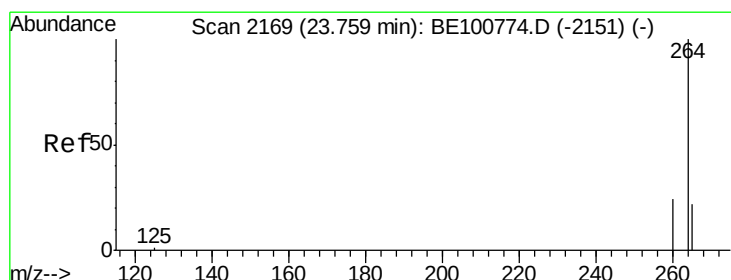
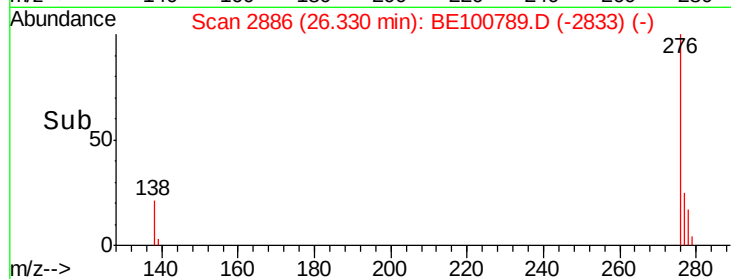
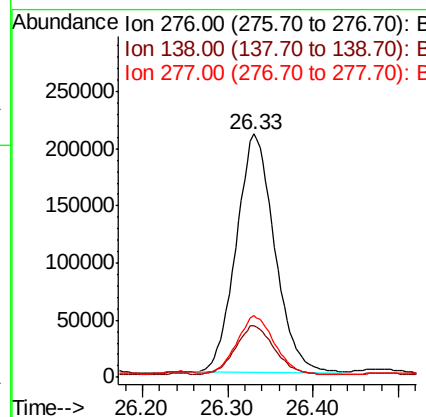
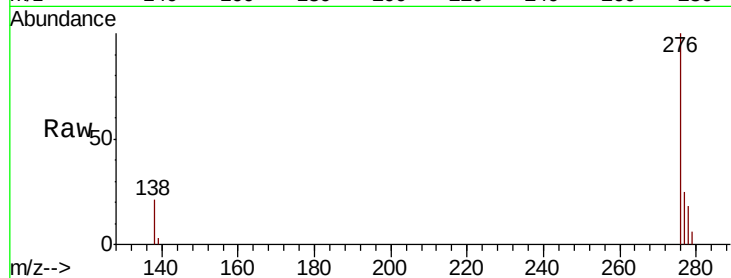
#33
Indeno(1,2,3-cd)pyrene
Concen: 4.808 ng
RT: 26.33 min Scan# 2886
Delta R.T. -0.01 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.4	29.0
277	24.8	19.8	29.6

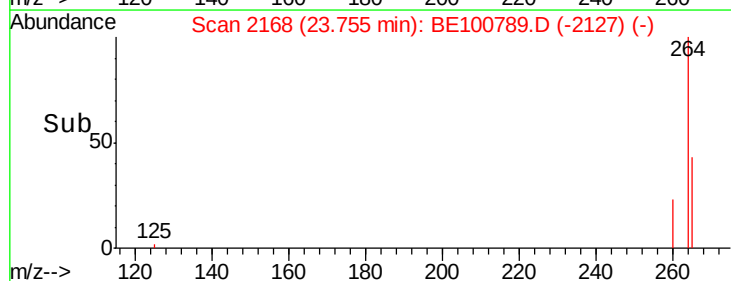
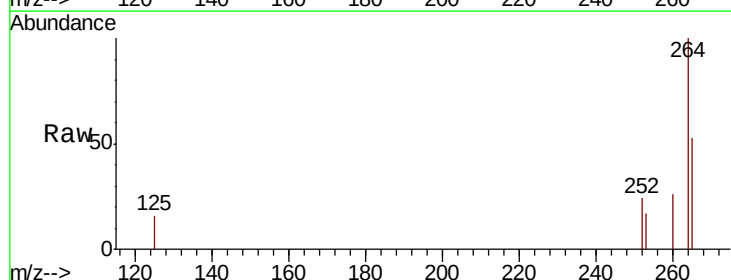
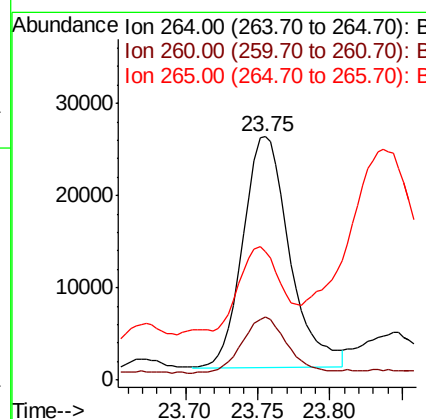
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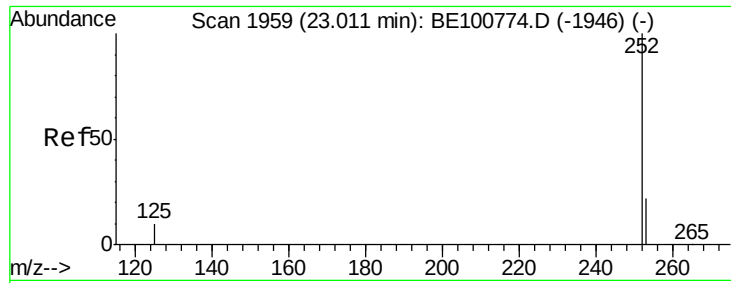
mohammad
12/6/2019 3:02:32 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.75 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.4	29.2
265	52.6	21.8	32.8#





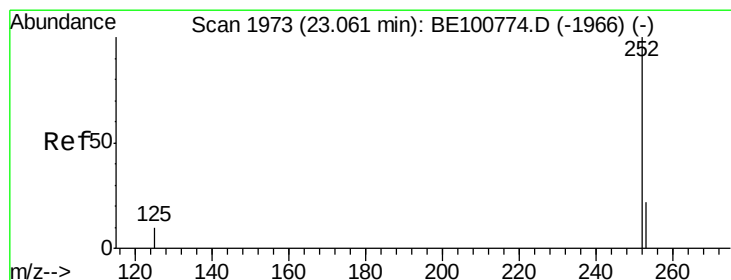
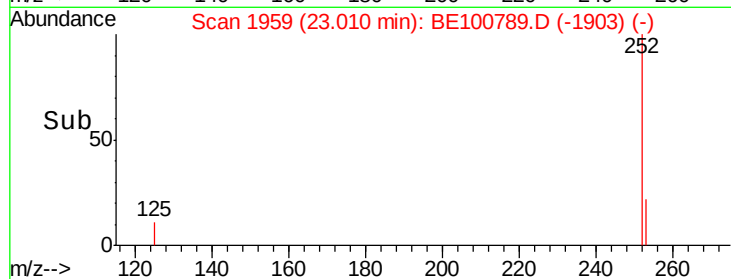
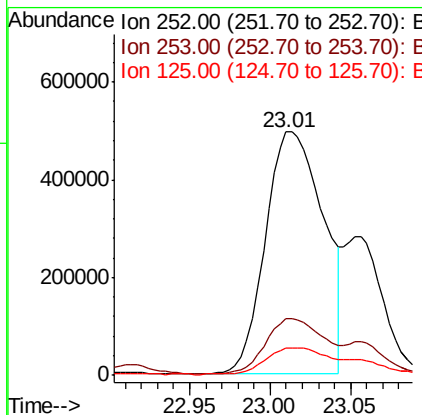
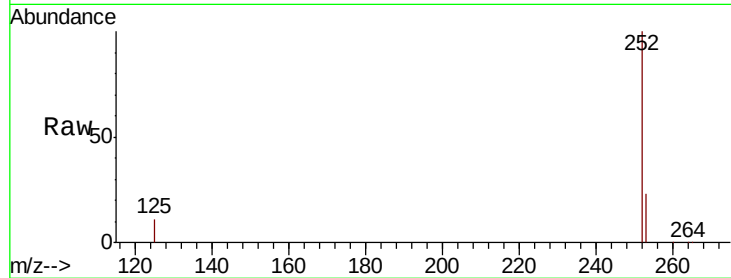
#35
Benzo(b)fluoranthene
Concen: 8.185 ng
RT: 23.01 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.2	9.0	13.4

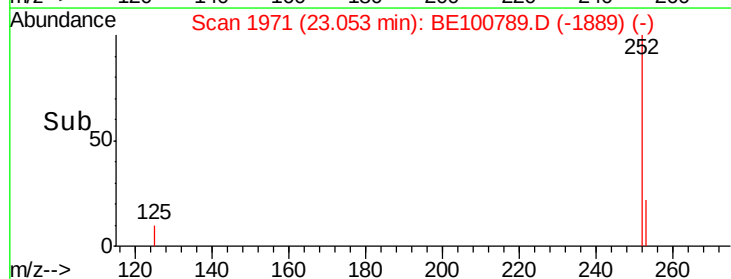
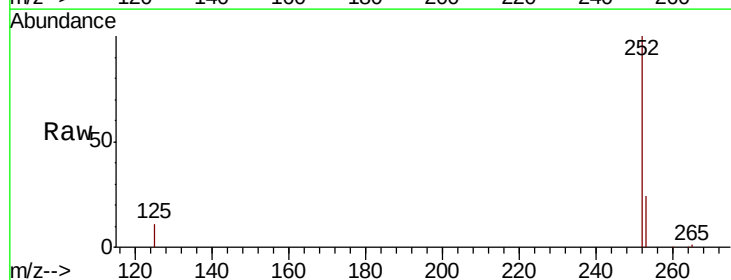
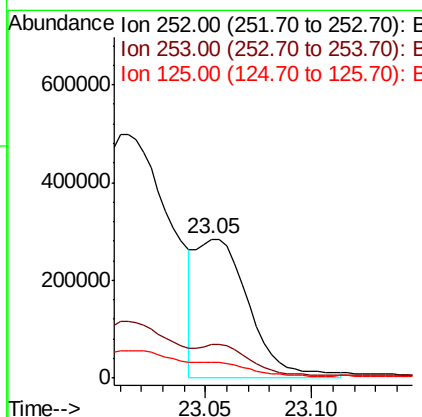
Manual Integrations
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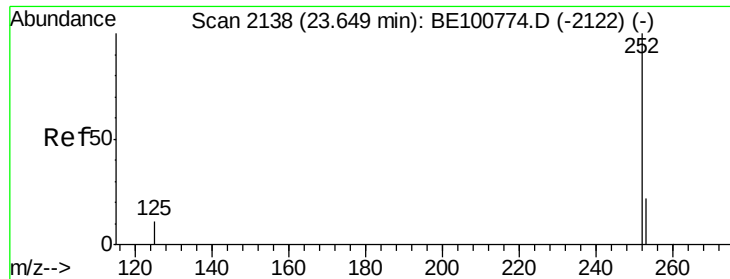
mohammad
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#36
Benzo(k)fluoranthene
Concen: 2.917 ng m
RT: 23.05 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	11.0	8.7	13.1





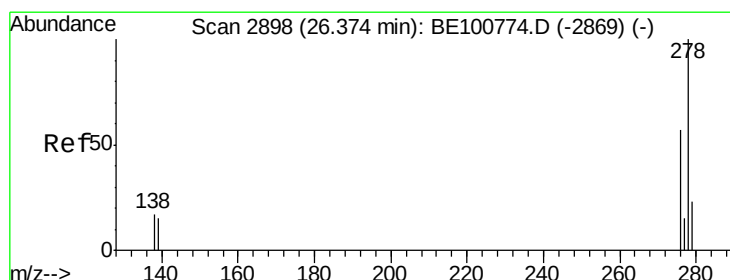
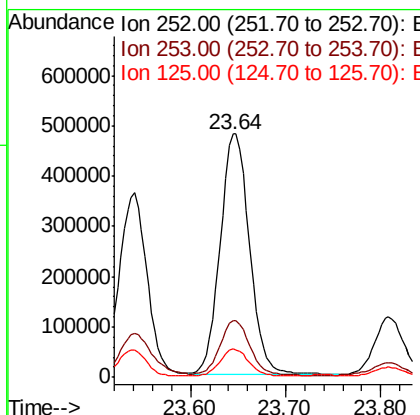
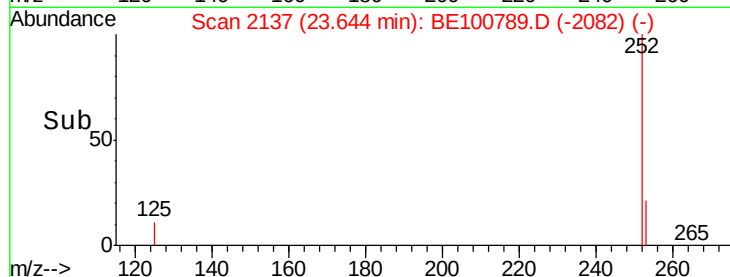
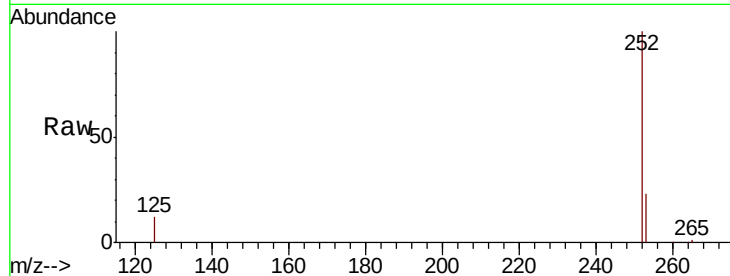
#37
Benzo(a)pyrene
Concen: 7.743 ng
RT: 23.64 min Scan# 2137
Delta R.T. -0.00 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519

Tot Ion:252 Resp: 1015480
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 11.6 10.4 15.6

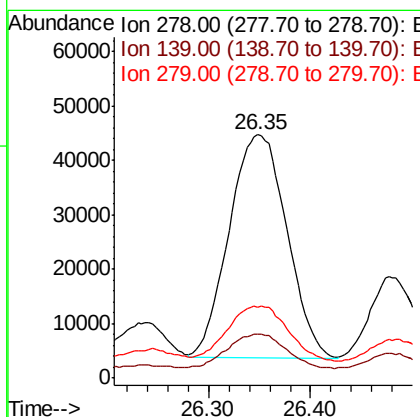
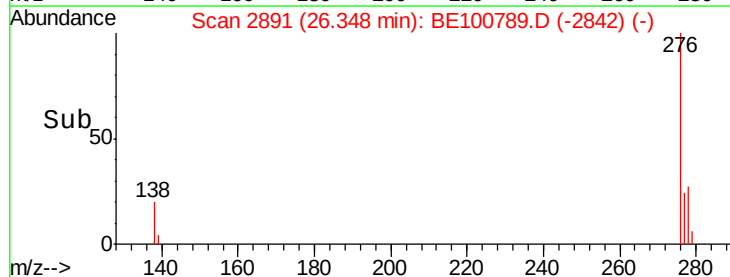
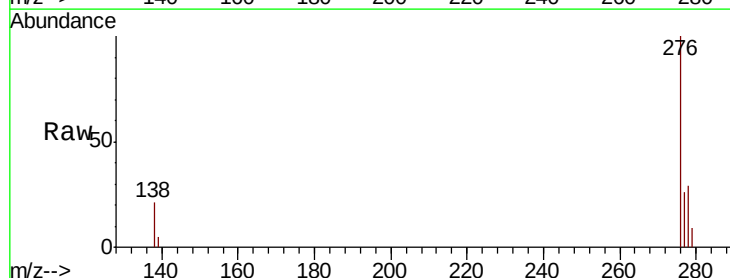
Manual Integrations
APPROVED

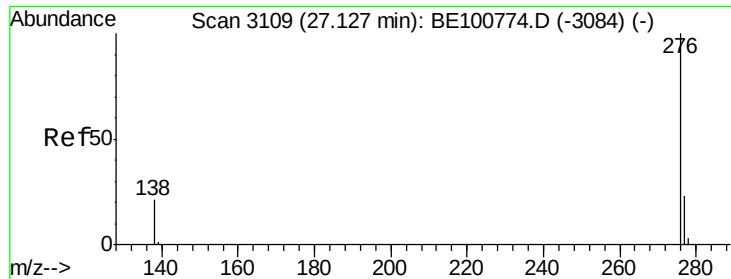
mohammad
12/6/2019 3:02:32 PM



#38
Dibenzo(a,h)anthracene
Concen: 1.232 ng
RT: 26.35 min Scan# 2891
Delta R.T. -0.03 min
Lab File: BE100789.D
Acq: 5 Dec 2019 15:10

Tgt Ion:278 Resp: 160770
Ion Ratio Lower Upper
278 100
139 18.1 13.0 19.4
279 29.3 19.6 29.4





#39

Benzo(a,h,i)perylene

Concen: 5.245 ng

RT: 27.12 min Scan# 3108

Delta R.T. -0.00 min

Lab File: BE100789.D

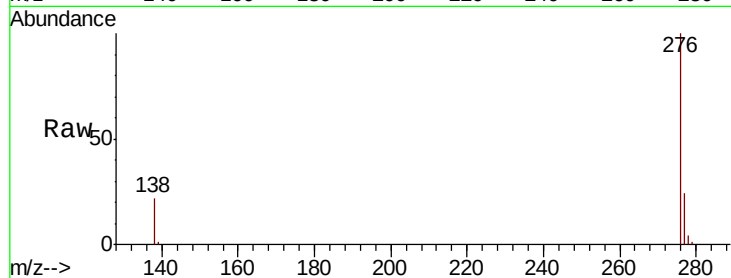
Acq: 5 Dec 2019 15:10

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW178-112519



Tot Ion:	276	Resp:	731803
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.3	28.9
138	21.9	17.8	26.6

Manual Integrations
APPROVED

mohammad
12/6/2019 3:02:32 PM

