

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100794.D
 Acq On : 5 Dec 2019 18:15
 Operator : JU
 Sample : K6053-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 12/6/2019 3:02:46 PM

Quant Time: Dec 06 04:12:31 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	6632	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	31942	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	19738	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	44993	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	44422	0.40	ng	0.00
34) Perylene-d12	23.75	264	52028	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	983	0.06	ng	0.00
5) Phenol-d6	6.93	99	1659	0.07	ng	0.00
8) Nitrobenzene-d5	8.90	82	1232	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	2062	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	241	0.11	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	2858	0.04	ng	0.00
25) Fluoranthene-d10	19.16	212	20262	0.04	ng	0.00
29) Terphenyl-d14	19.76	244	4474	0.04	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.59	128	20940	0.062	ng	# 98
12) 2-Methylnaphthalene	12.21	142	3177	0.060	ng	94
16) Acenaphthylene	14.11	152	33394	0.409	ng	99
17) Acenaphthene	14.46	154	2223	0.040	ng	96
18) Fluorene	15.43	166	7218	0.099	ng	# 87
23) Phenanthrene	17.16	178	190306	1.396	ng	99
24) Anthracene	17.25	178	23844	0.209	ng	97
26) Fluoranthene	19.19	202	346563	2.131	ng	99
28) Pyrene	19.55	202	408596	2.831	ng	97
30) Benzo(a)anthracene	21.29	228	199248m	1.522	ng	
31) Chrysene	21.34	228	191211	1.243	ng	97
32) Bis(2-ethylhexyl)phthalate	21.25	149	16985	0.152	ng	98
33) Indeno(1,2,3-cd)pyrene	26.33	276	112035	0.836	ng	97
35) Benzo(b)fluoranthene	23.01	252	223584	1.570	ng	99
36) Benzo(k)fluoranthene	23.05	252	67955m	0.425	ng	
37) Benzo(a)pyrene	23.64	252	174249	1.413	ng	99
38) Dibenzo(a,h)anthracene	26.35	278	28529	0.233	ng	# 87
39) Benzo(a,h,i)perylene	27.12	276	124527	0.949	ng	99

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

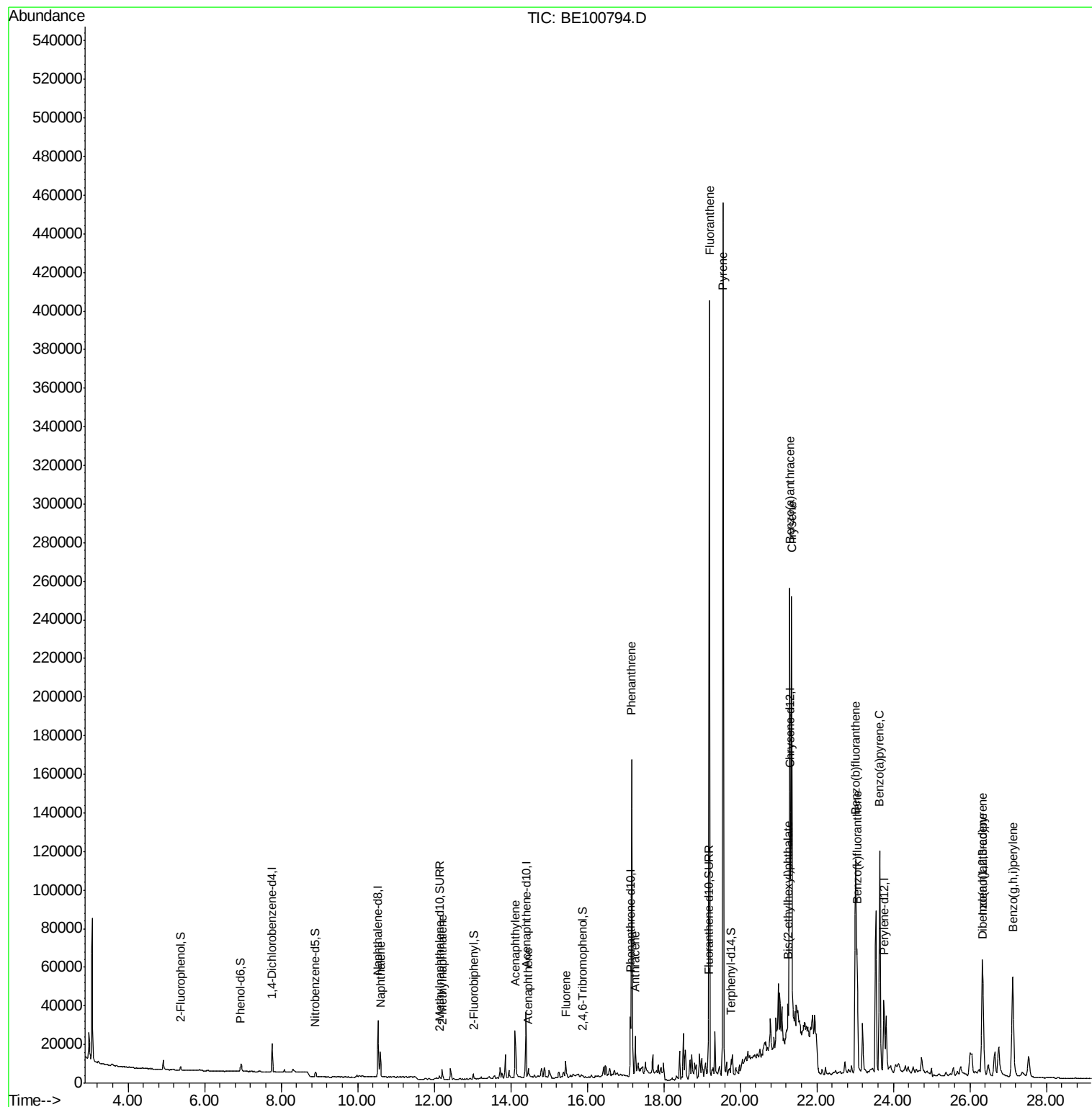
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100794.D
Acq On : 5 Dec 2019 18:15
Operator : JU
Sample : K6053-01DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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Quant Time: Dec 06 04:12:31 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
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#1

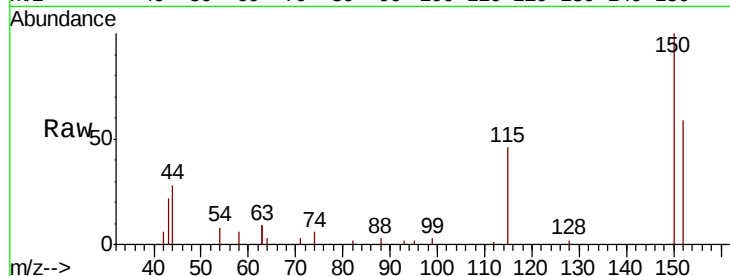
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.4	120.6	181.0
115	77.1	47.4	71.2

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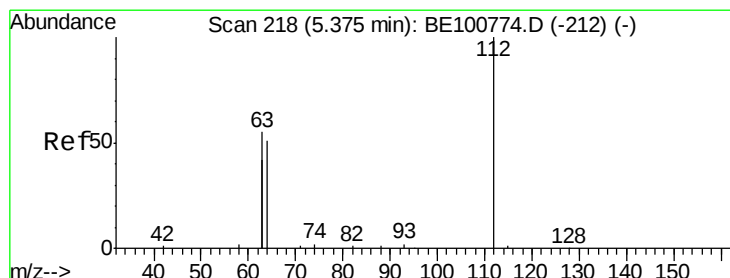
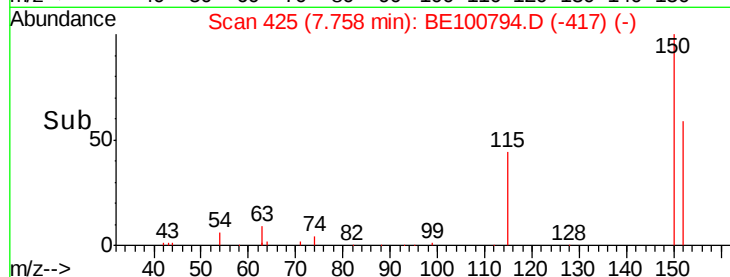
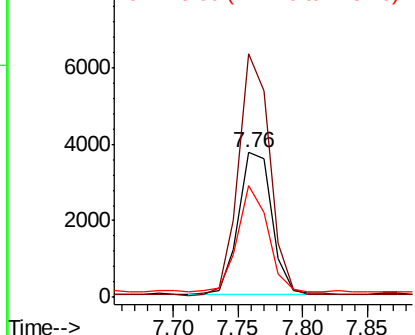


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

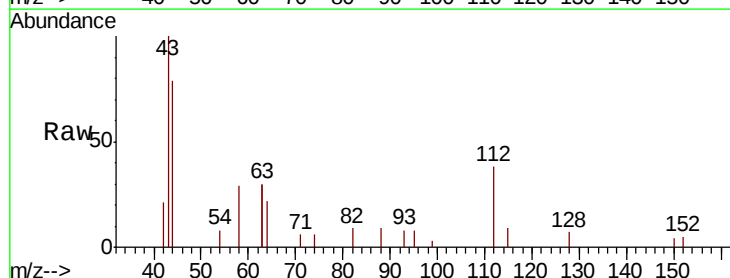
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.062 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	54.1	81.1
63	135.8	113.2	169.8

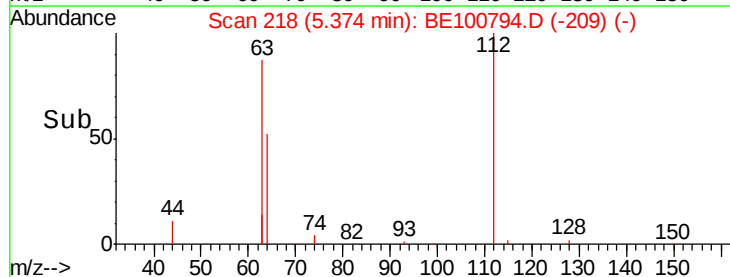
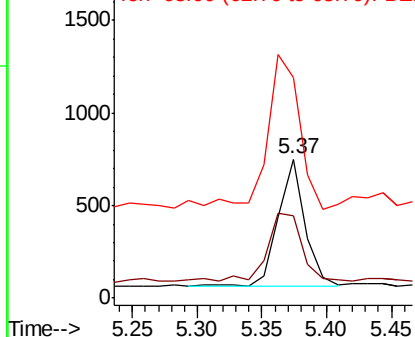


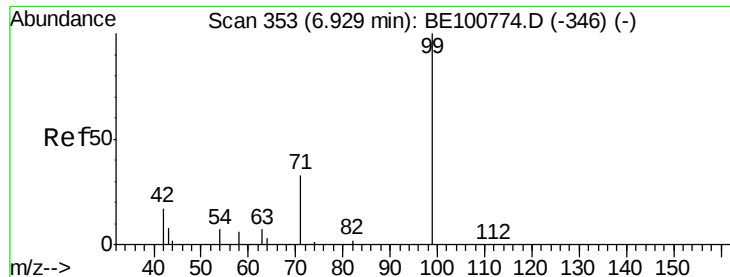
Abundance

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: 0.070 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100794.D

Acq: 5 Dec 2019 18:15

Instrument :

BNA_E

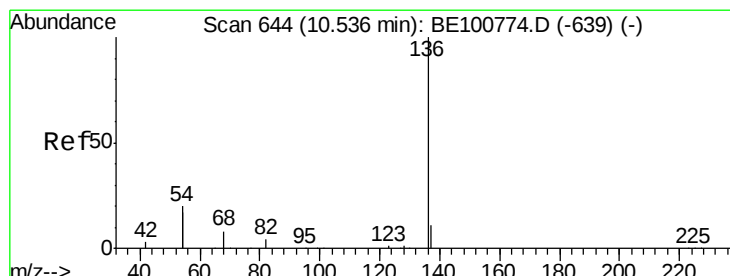
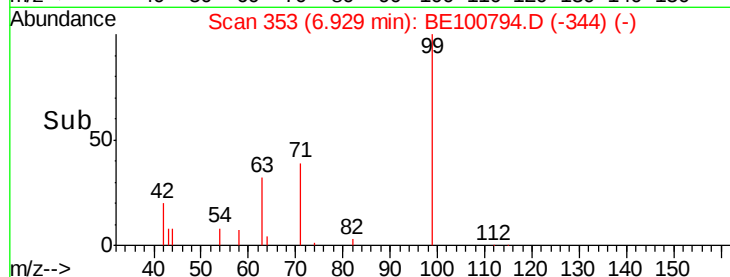
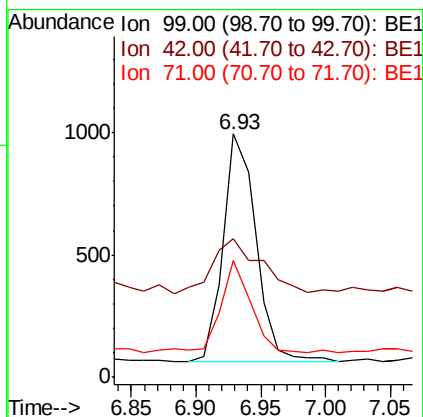
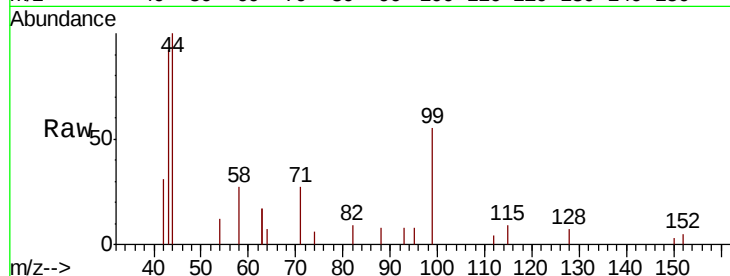
ClientSampleId :

EXT-084-SW178-112519DL

Tot Ion:	99	Resp:	1659
Ion	Ratio	Lower	Upper
99	100		
42	36.5	19.1	28.7#
71	38.5	27.7	41.5

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#7

Naphthalene-d8

Concen: 0.400 ng

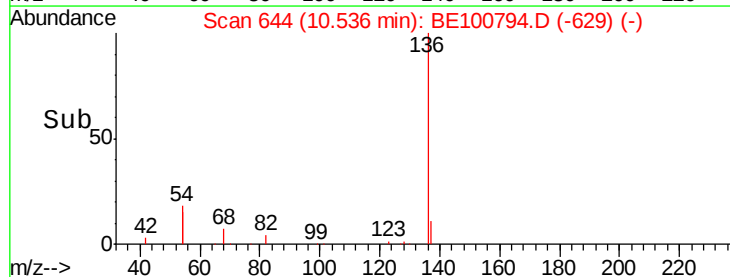
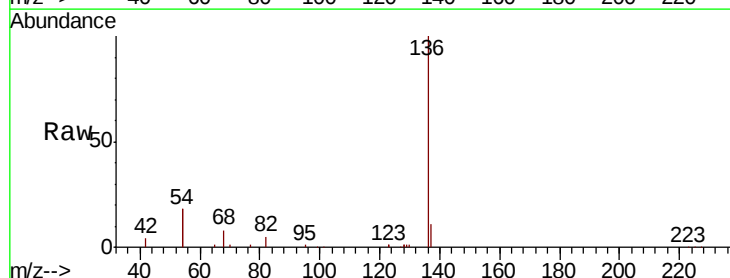
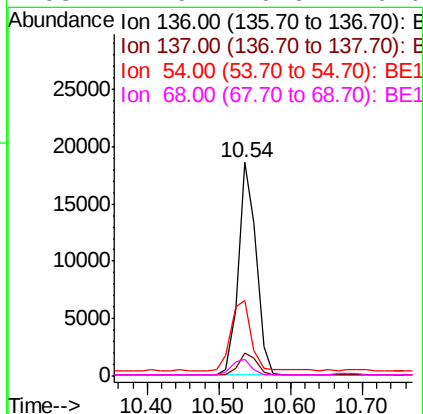
RT: 10.54 min Scan# 644

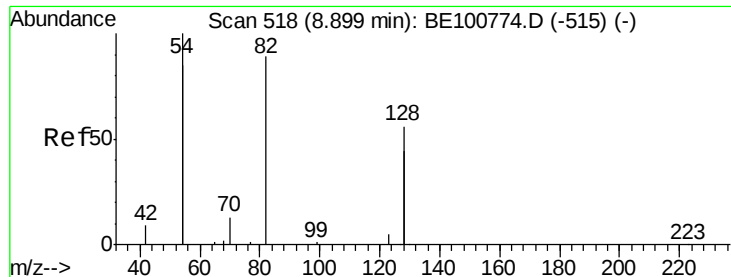
Delta R.T. -0.00 min

Lab File: BE100794.D

Acq: 5 Dec 2019 18:15

Tgt Ion:	136	Resp:	31942
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.0
54	35.2	31.1	46.7
68	7.9	6.6	10.0





#8

Nitrobenzene-d5

Concen: 0.081 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100794.D

Acq: 5 Dec 2019 18:15

Instrument :

BNA_E

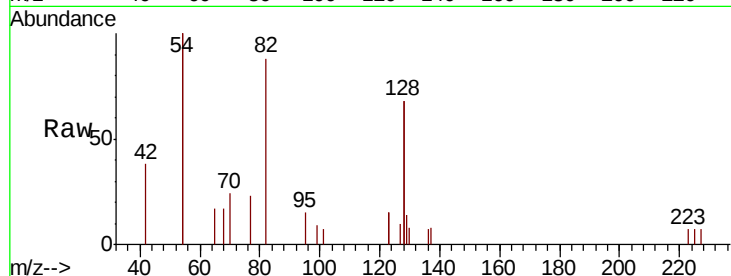
ClientSampleId :

EXT-084-SW178-112519DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	154.2	97.0	145.4#
54	227.8	171.8	257.6

Manual Integrations
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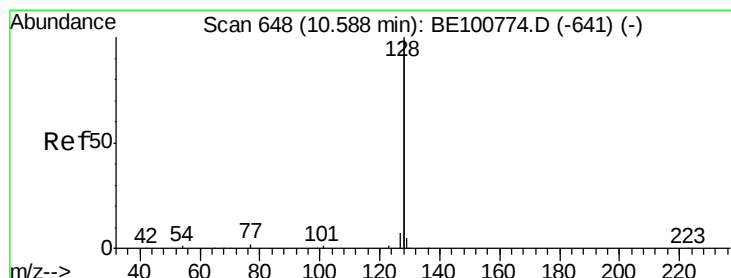
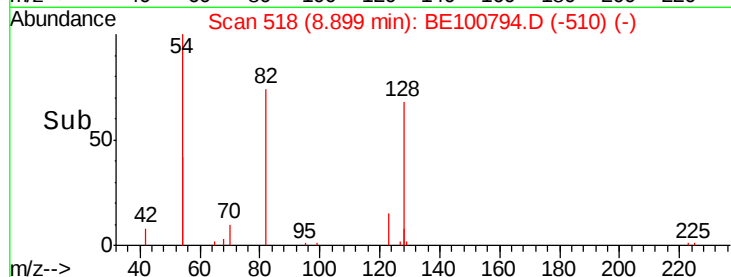
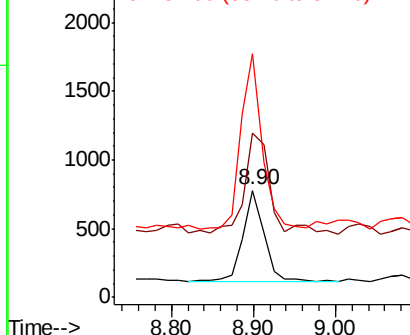


Abundance

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: 0.062 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100794.D

Acq: 5 Dec 2019 18:15

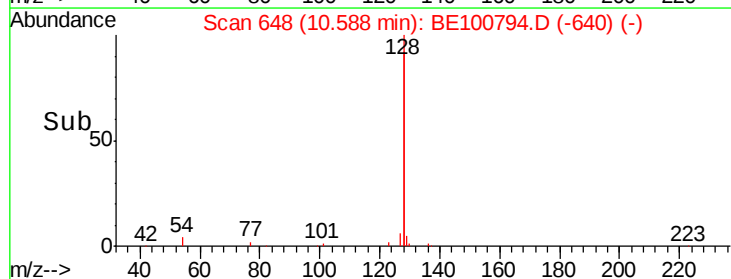
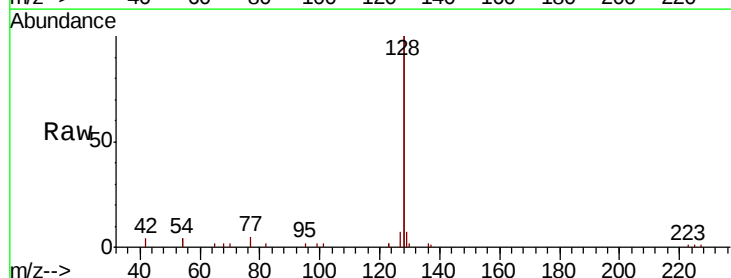
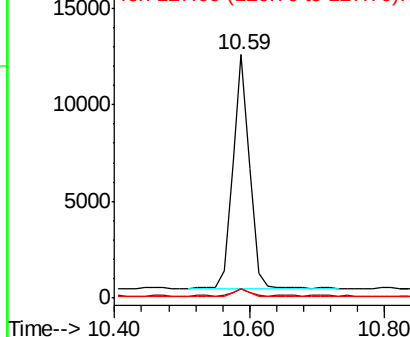
Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.7	2.2	3.4#
127	3.7	2.7	4.1

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





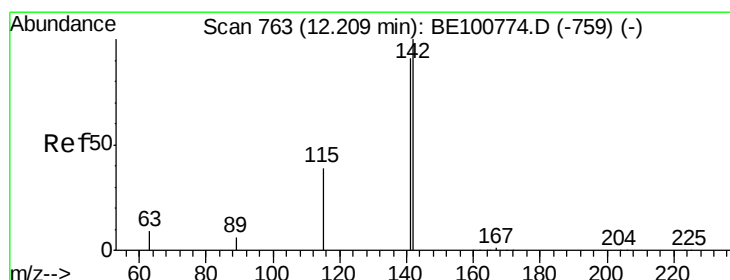
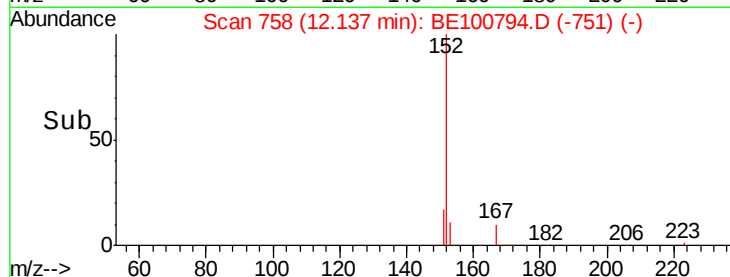
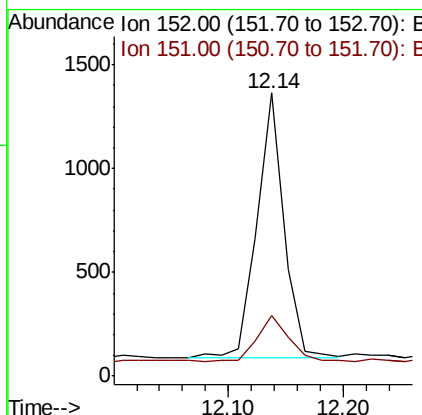
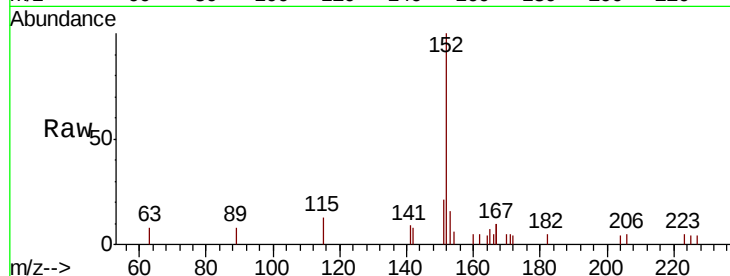
#11
2-Methylnaphthalene-d10
Concen: 0.045 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.8	23.8

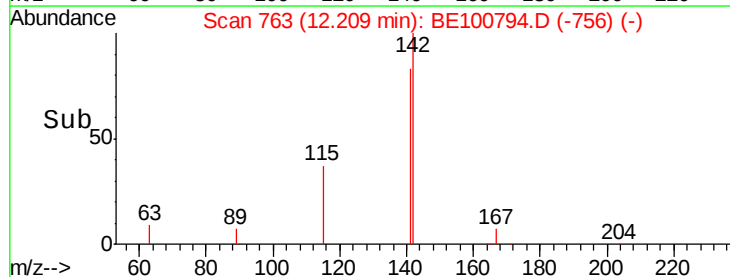
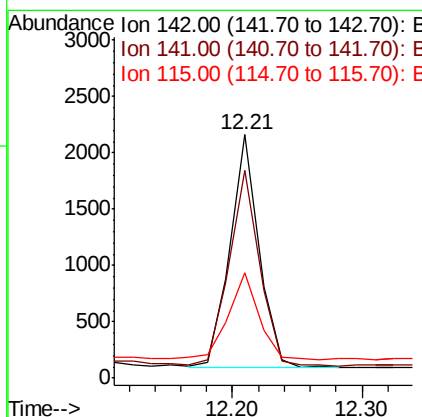
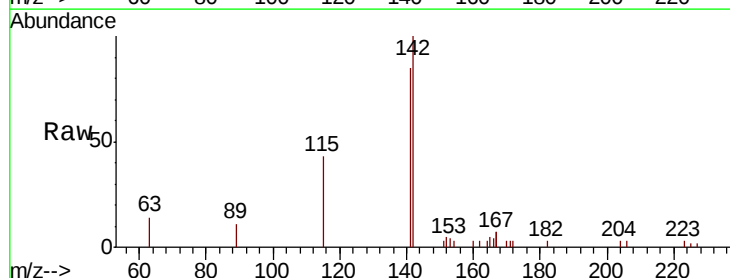
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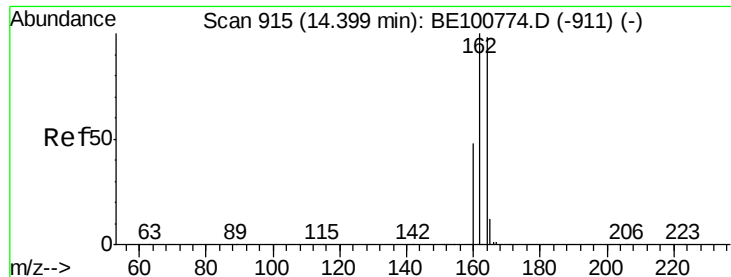
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#12
2-Methylnaphthalene
Concen: 0.060 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	72.6	108.8
115	43.2	31.8	47.6





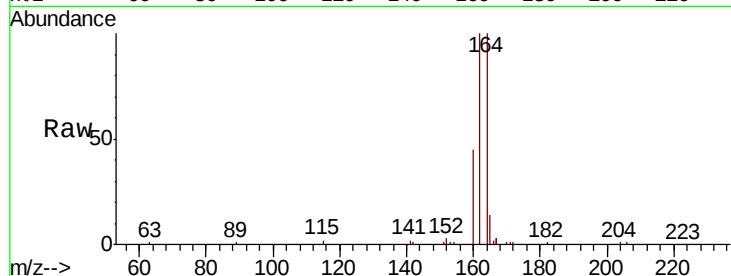
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.0
160	45.1	39.4	59.0

Manual Integrations
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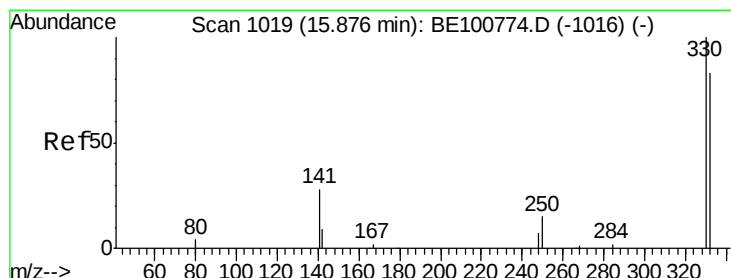
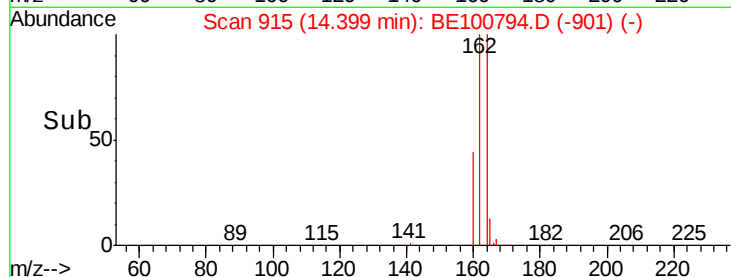
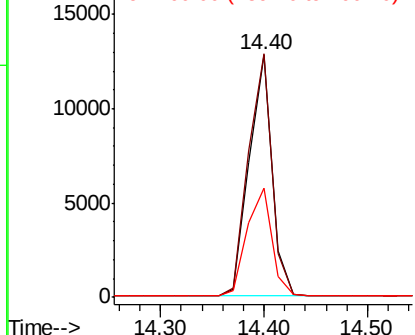


Abundance

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: 0.110 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

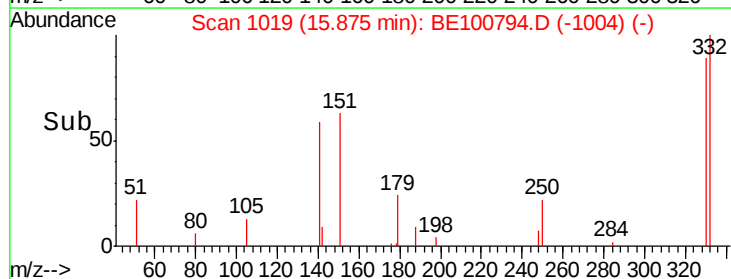
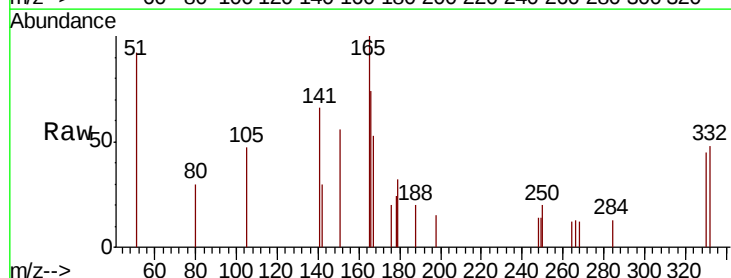
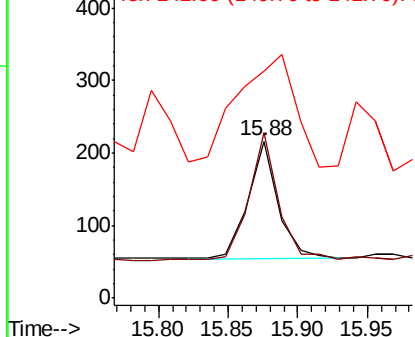
Tgt Ion	Ratio	Lower	Upper
330	100		
332	115.4	69.4	104.2#
141	184.2	51.1	76.7#

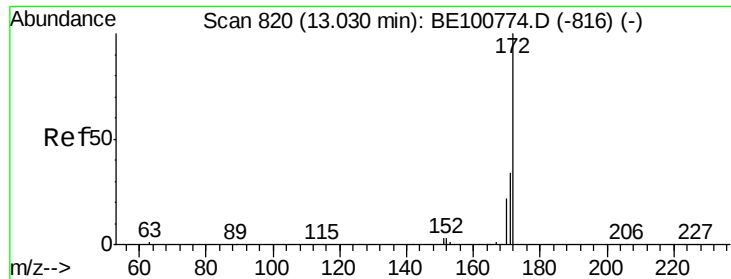
Abundance

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





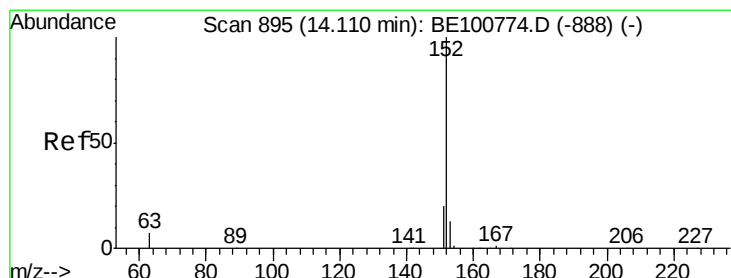
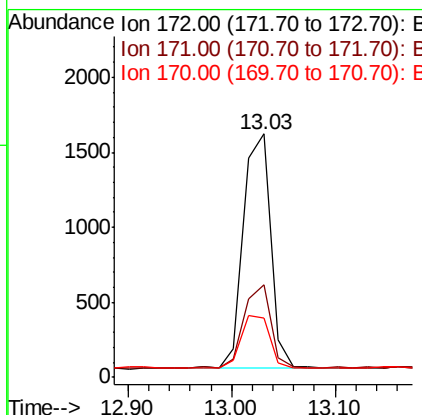
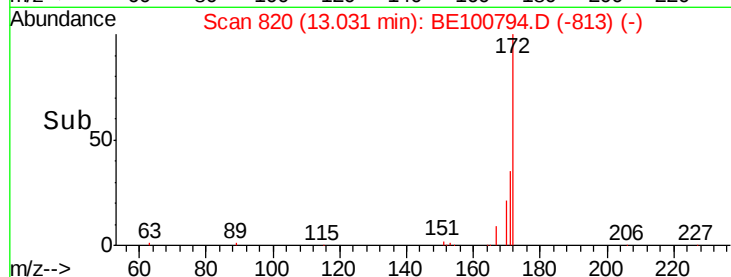
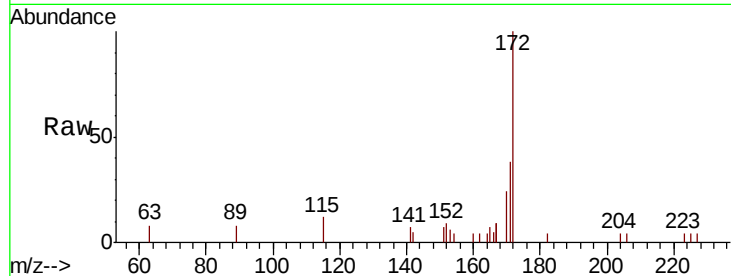
#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	27.2	40.8
170	24.5	18.0	27.0

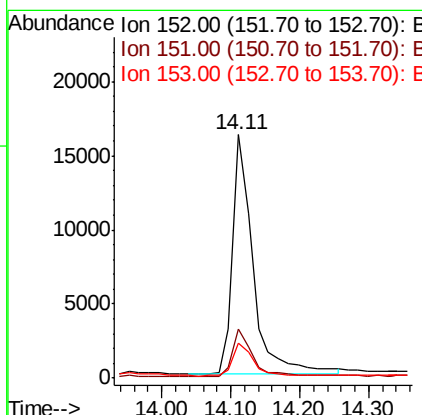
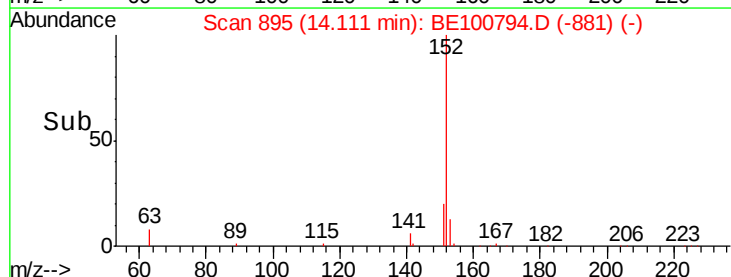
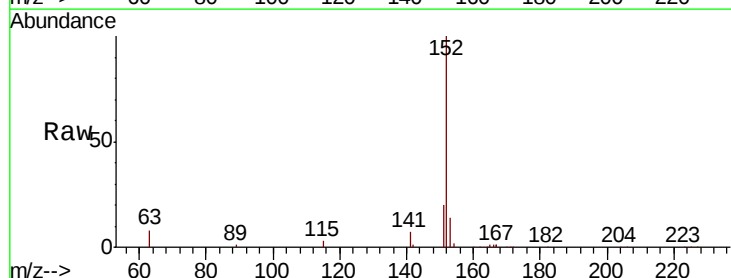
Manual Integrations
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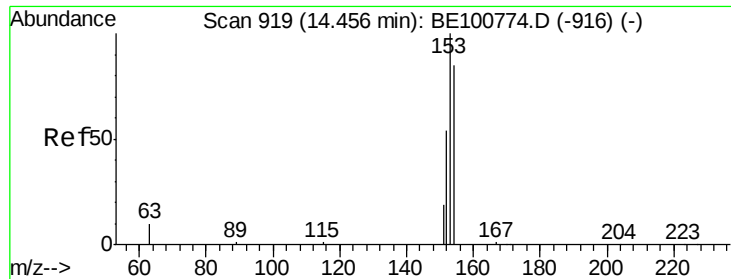
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#16
Acenaphthylene
Concen: 0.409 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.4	10.4	15.6





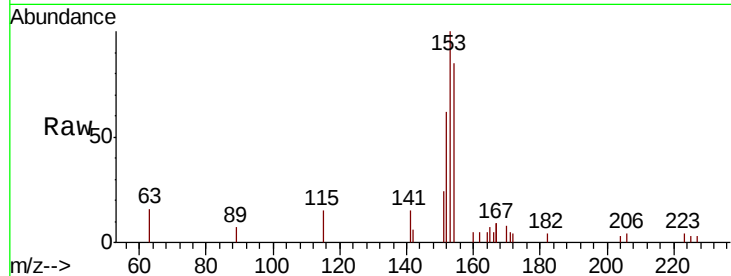
#17
Acenaphthene
Concen: 0.040 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.8	92.2	138.2
152	63.9	49.1	73.7

Manual Integrations
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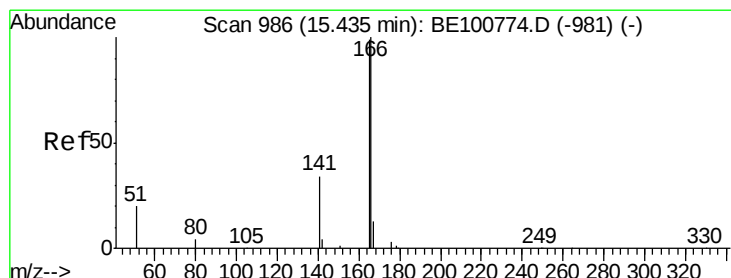
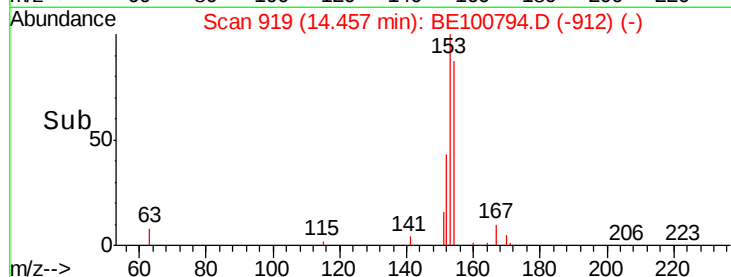
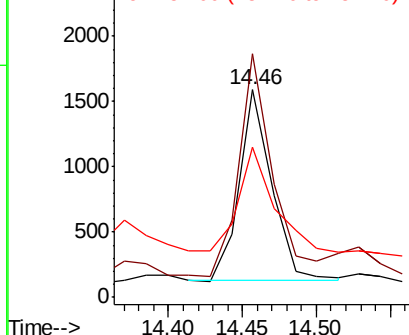


Abundance

Ion 154.00 (153.70 to 154.70): E

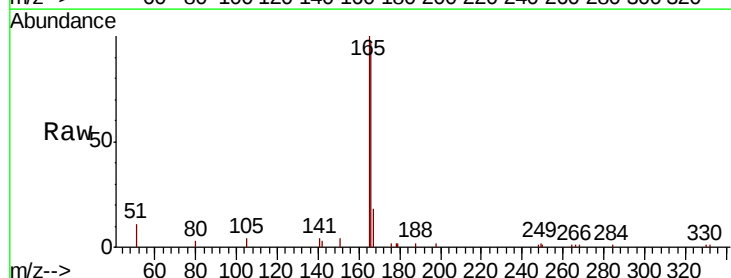
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.099 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.3	80.5	120.7
167	20.5	10.7	16.1

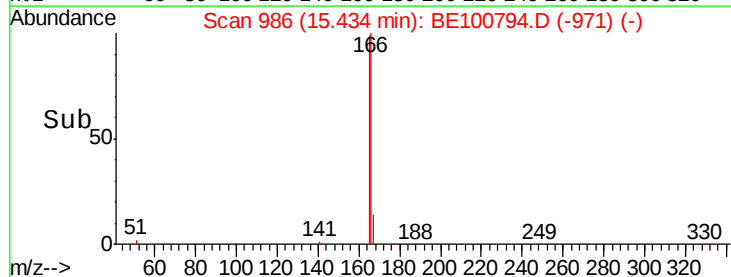
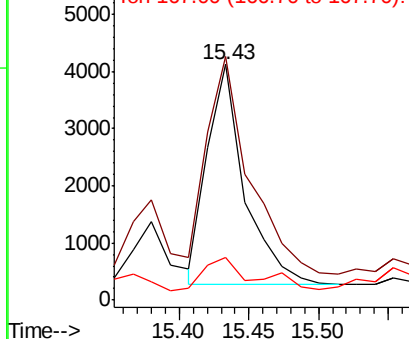


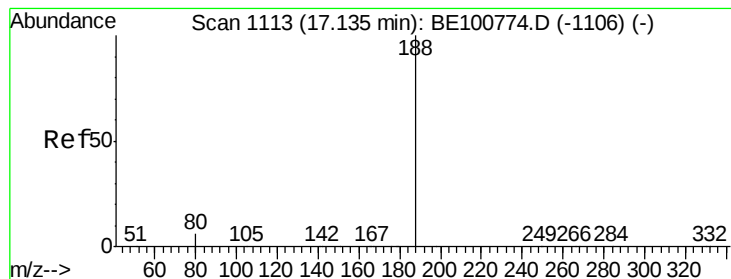
Abundance

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: BE100794.D

Acq: 5 Dec 2019 18:15

Instrument :

BNA_E

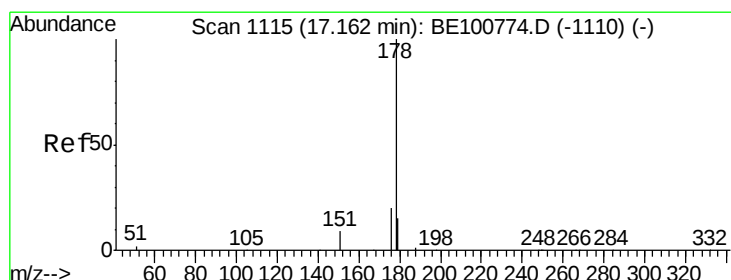
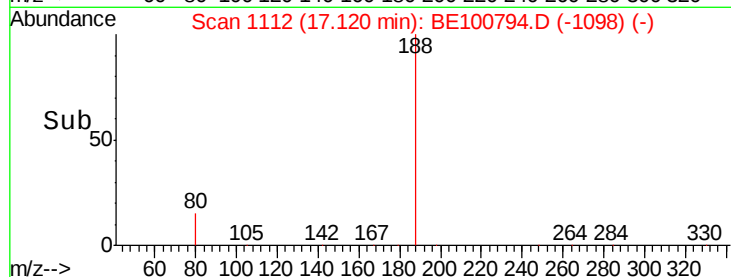
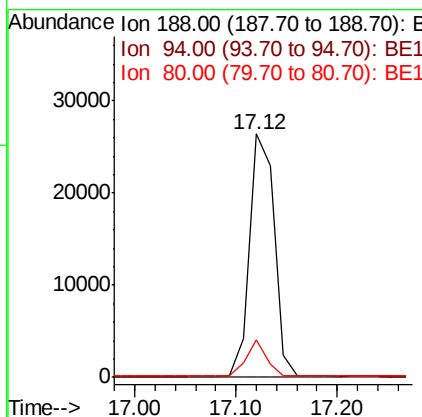
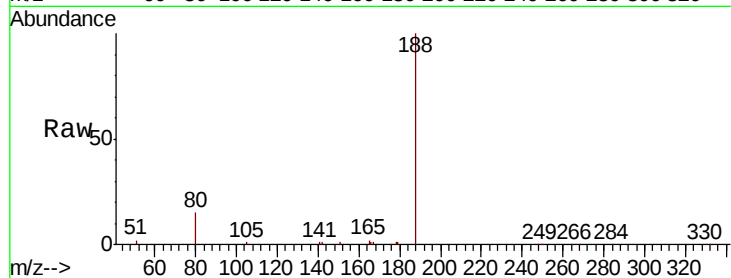
ClientSampleId :

EXT-084-SW178-112519DL

Tot Ion:	188	Resp:	44993
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.4	5.2	7.8#

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#23

Phenanthrene

Concen: 1.396 ng

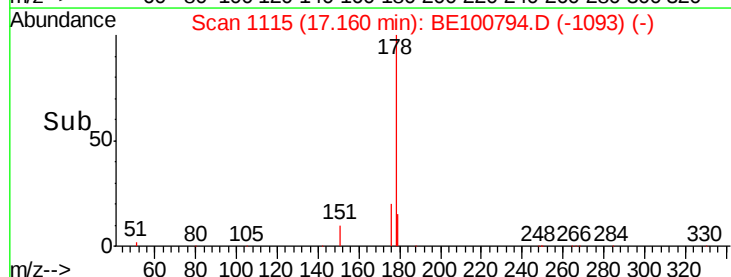
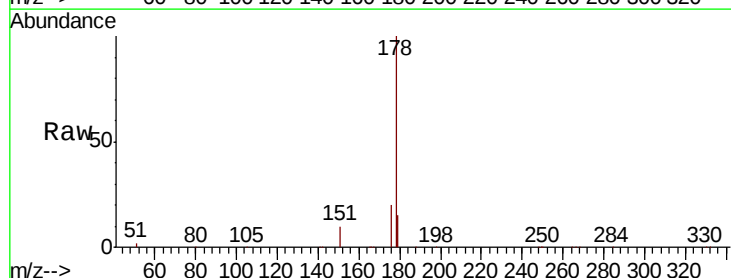
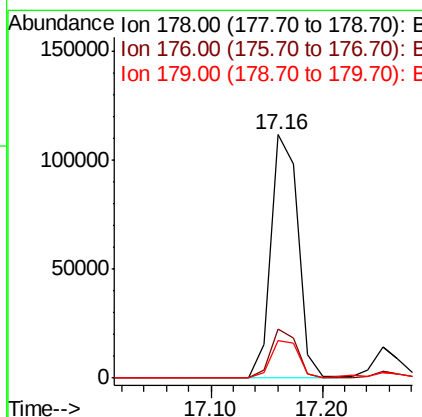
RT: 17.16 min Scan# 1115

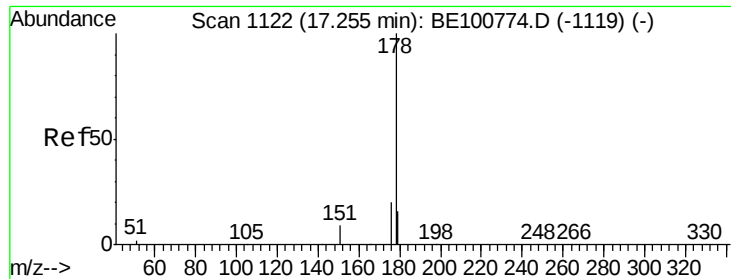
Delta R.T. -0.00 min

Lab File: BE100794.D

Acq: 5 Dec 2019 18:15

Tgt Ion:	178	Resp:	190306
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.5	23.3
179	15.8	12.3	18.5





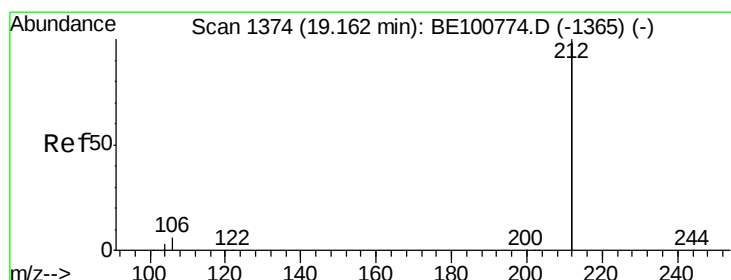
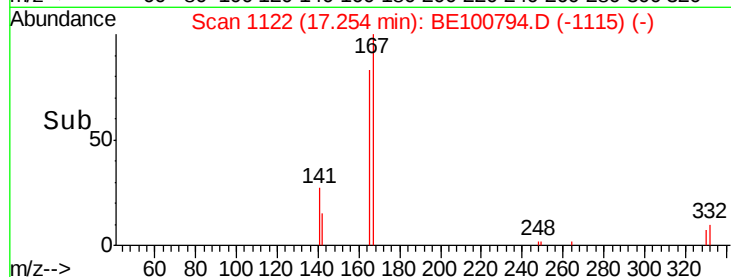
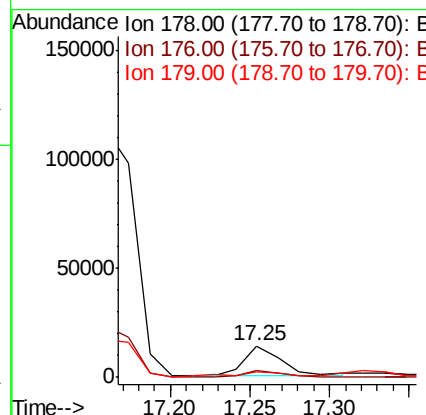
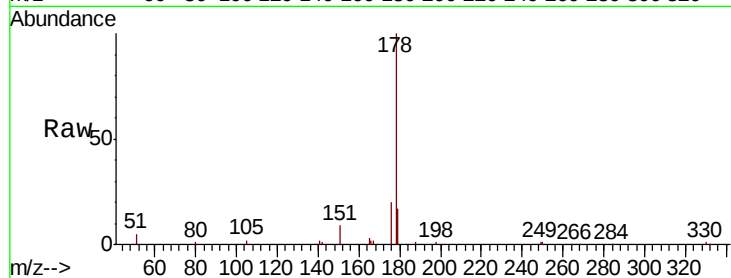
#24
 Anthracene
 Concen: 0.209 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BE100794.D
 Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.2	12.7	19.1

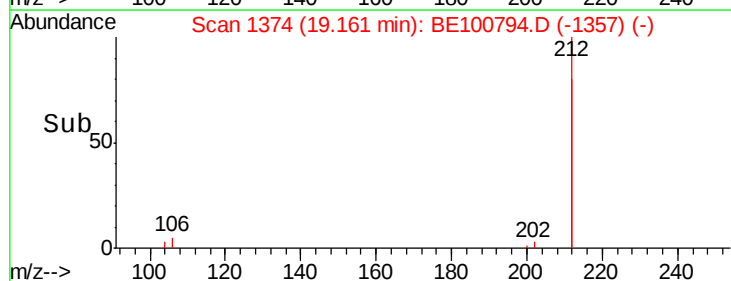
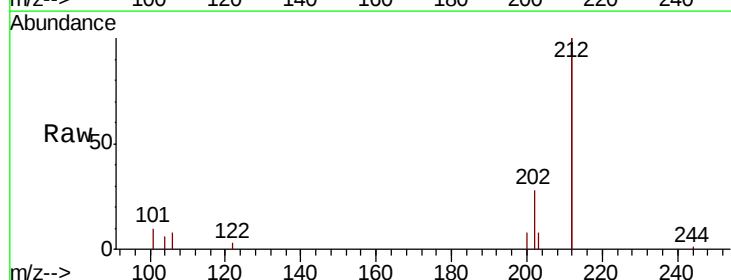
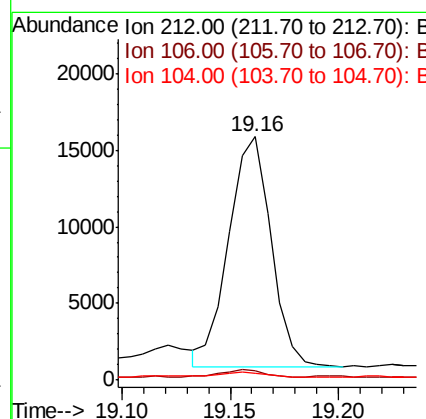
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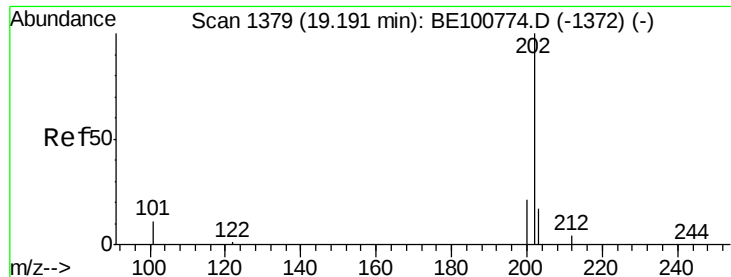
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 19.16 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE100794.D
 Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.6	3.8
104	2.9	1.4	2.2#





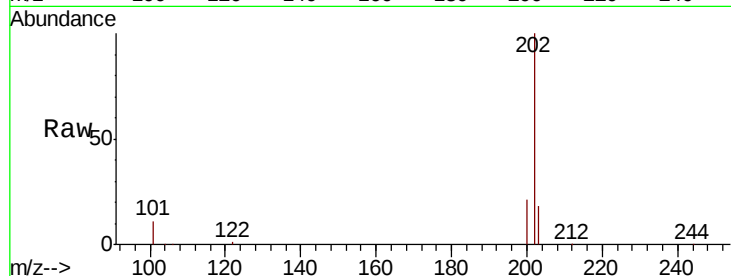
#26
Fluoranthene
Concen: 2.131 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

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

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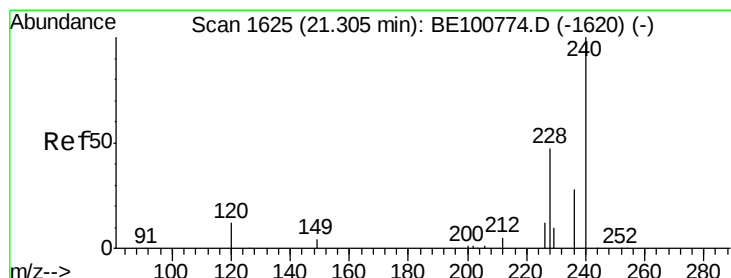
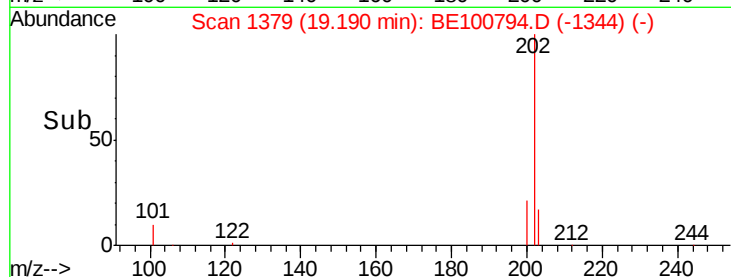
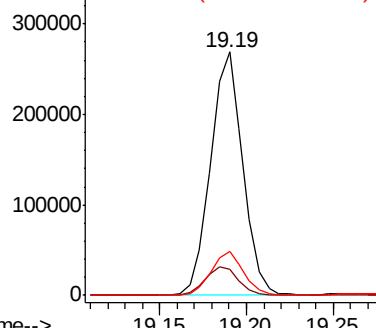


Abundance

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: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

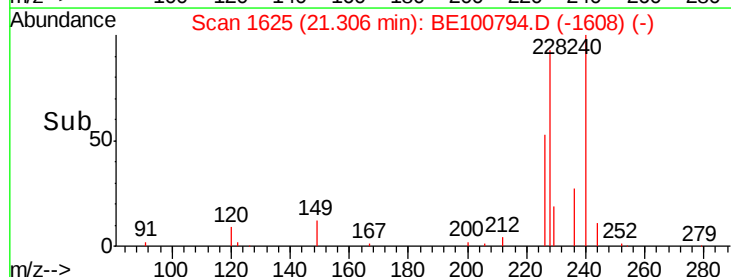
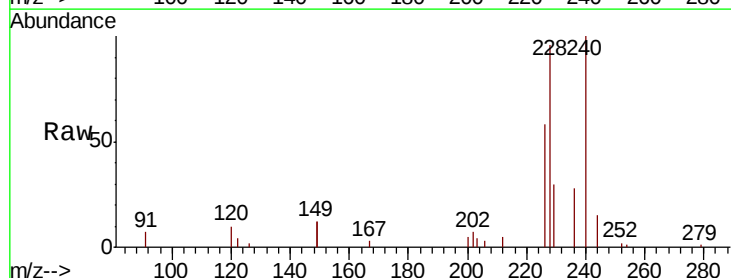
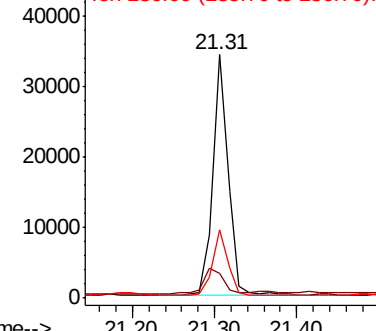
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.2	15.2
236	28.3	22.3	33.5

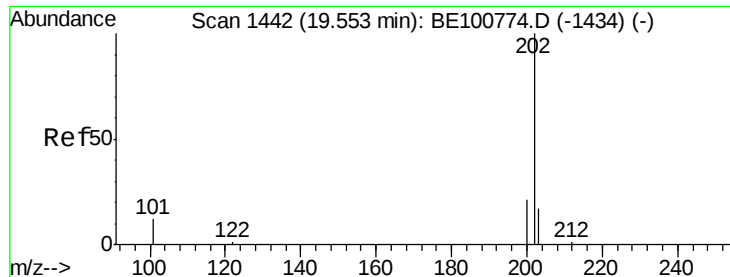
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





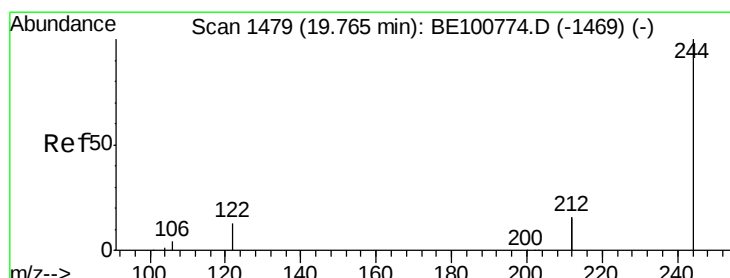
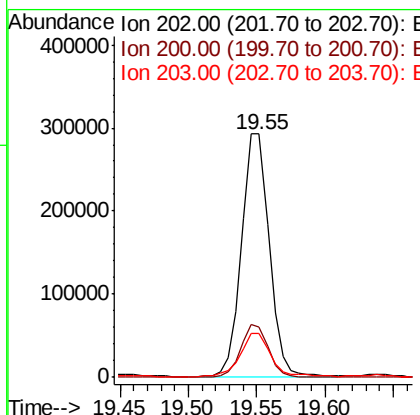
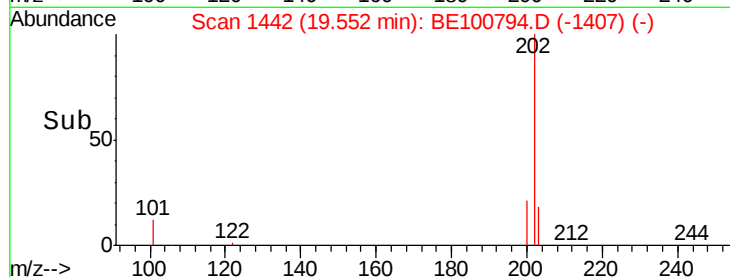
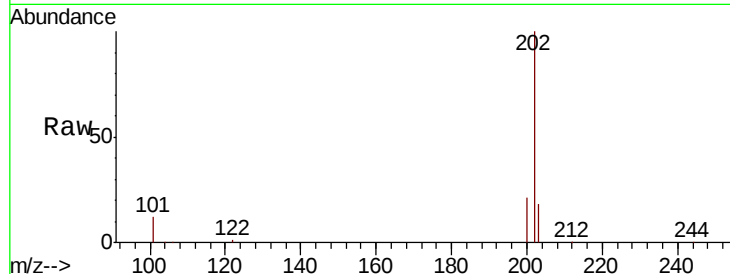
#28
Pvrene
Concen: 2.831 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	17.0	25.4	
203	20.0	13.9	20.9	

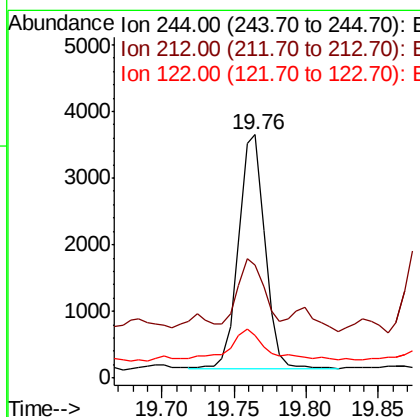
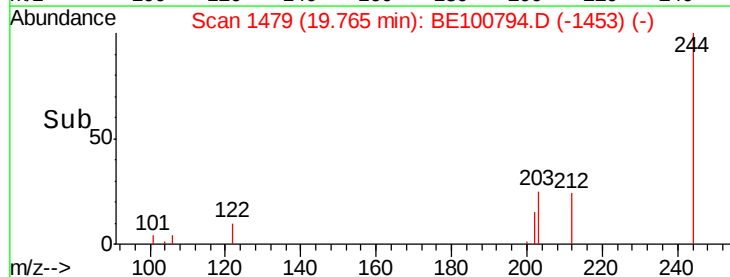
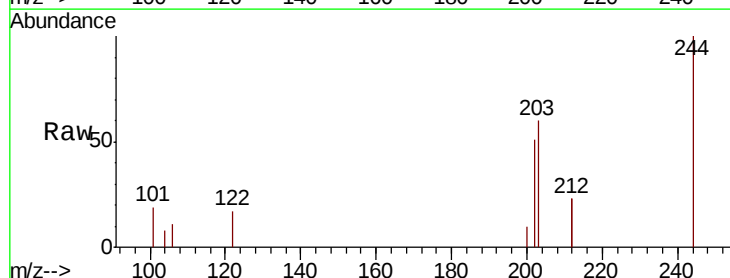
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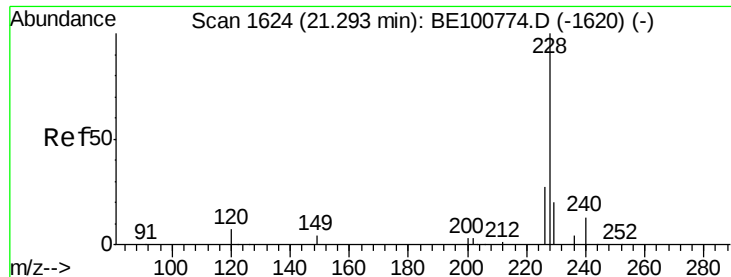
mohammad
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#29
Terphenyl-d14
Concen: 0.042 ng
RT: 19.76 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	46.4	26.2	39.4#	
122	17.3	10.2	15.4#	





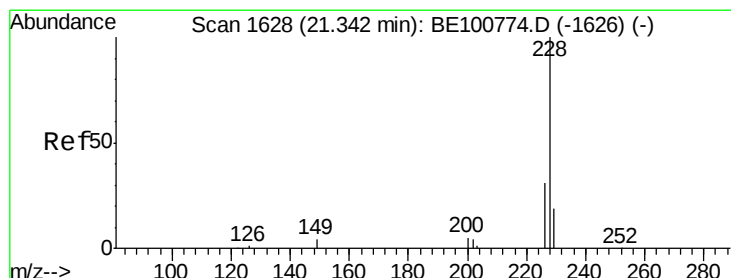
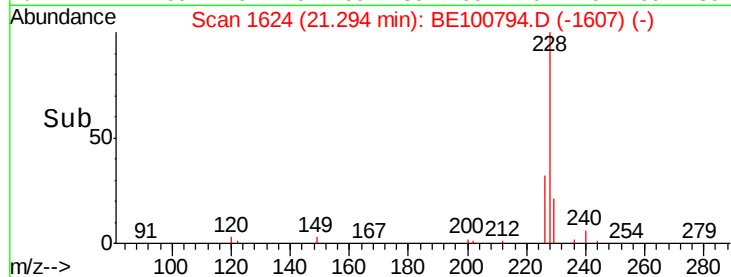
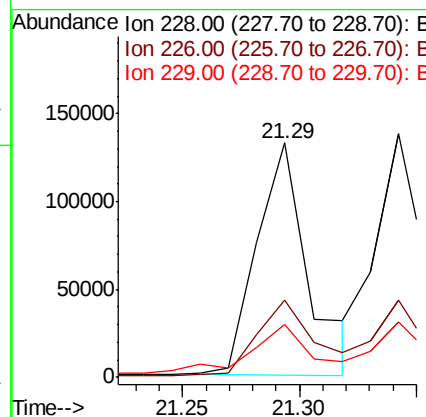
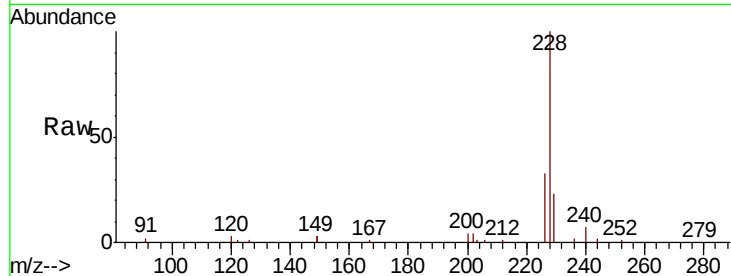
#30
Benzo(a)anthracene
Concen: 1.522 ng m
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	21.5	32.3#
229	22.7	16.0	24.0

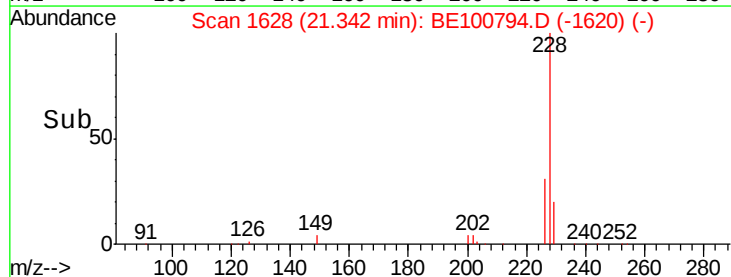
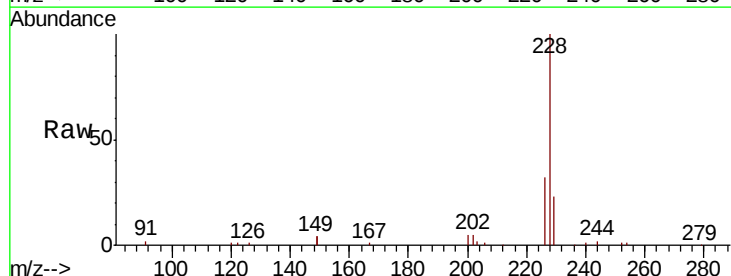
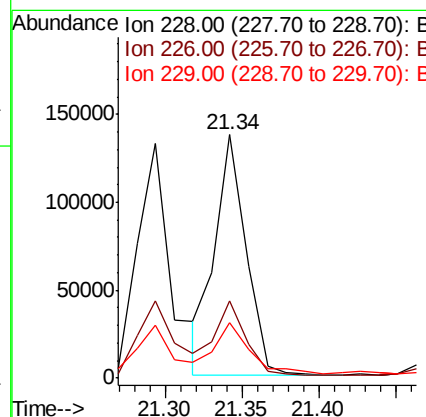
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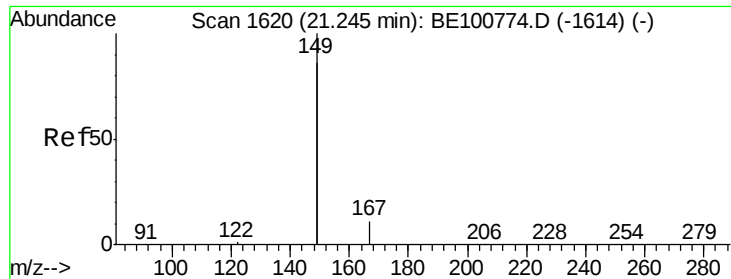
mohammad
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#31
Chrysene
Concen: 1.243 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.4
229	22.6	15.4	23.2





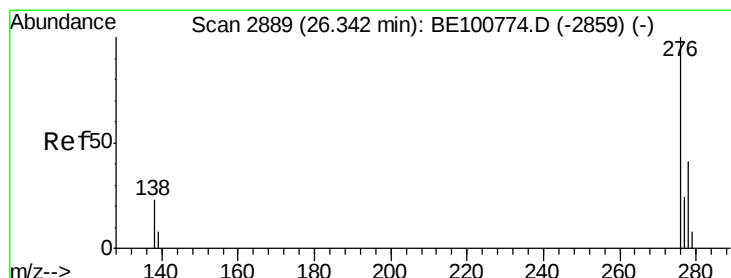
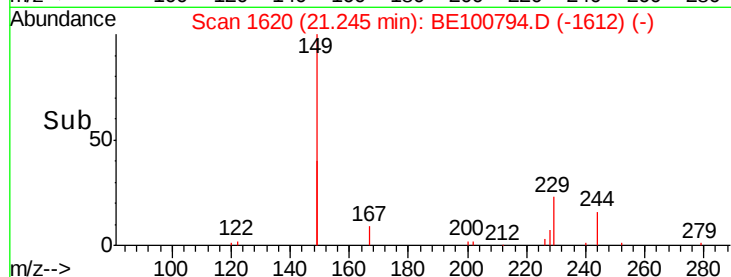
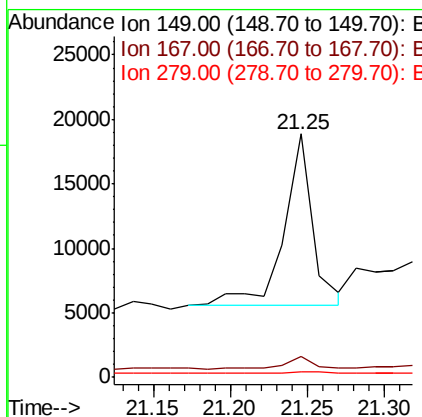
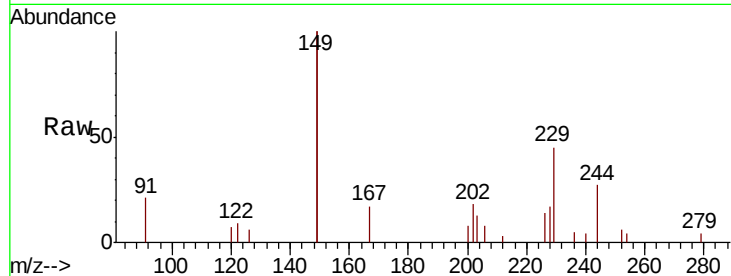
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.152 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100794.D
 Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.0	7.6
279	0.7	0.7	1.1

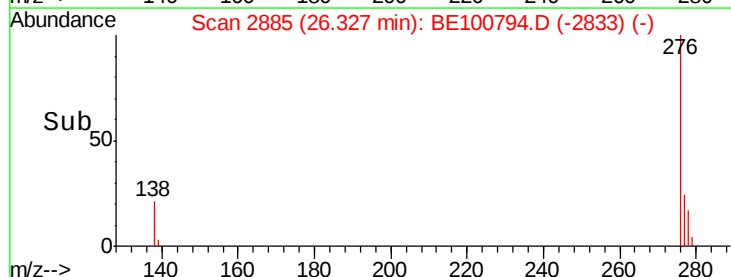
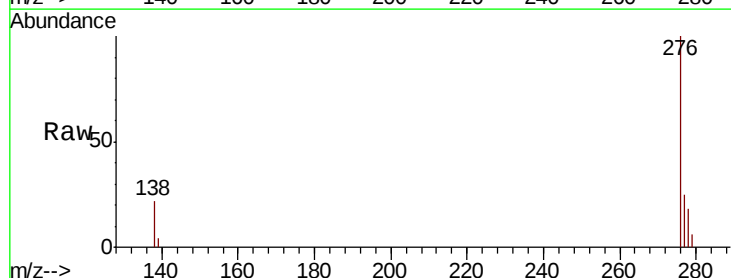
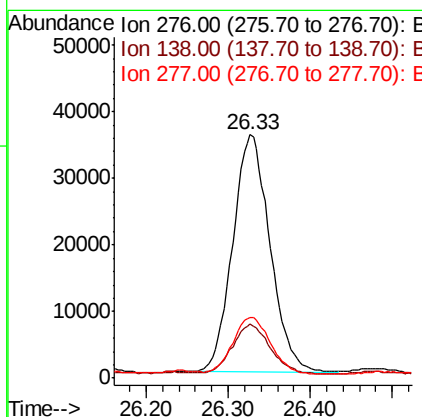
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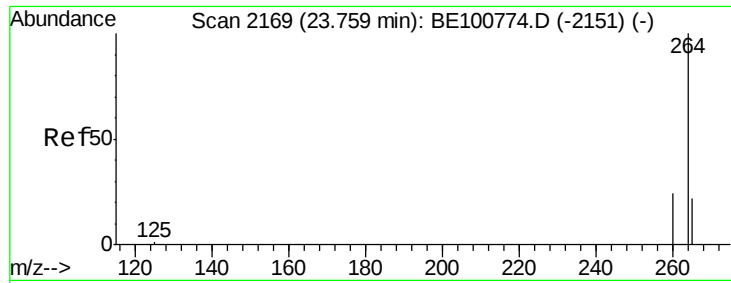
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.836 ng
 RT: 26.33 min Scan# 2885
 Delta R.T. -0.02 min
 Lab File: BE100794.D
 Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.4	29.0
277	24.7	19.8	29.6





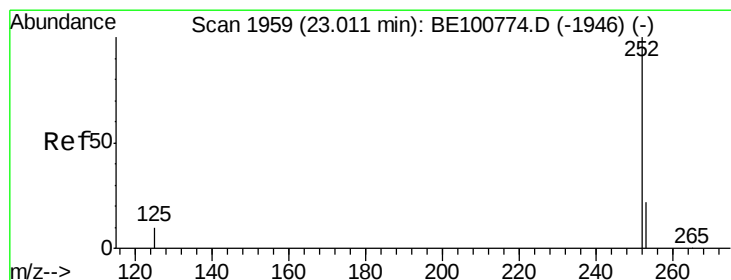
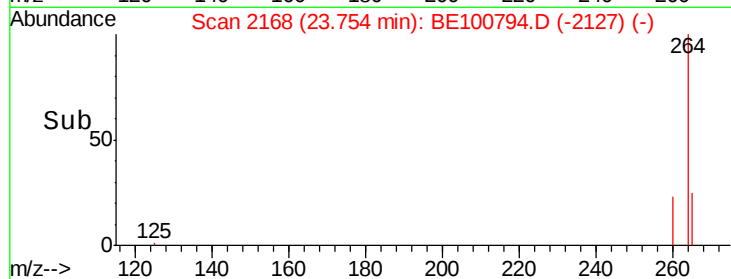
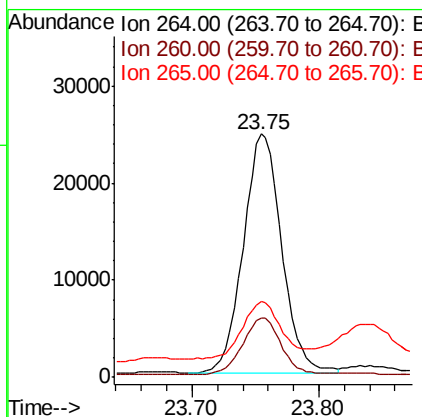
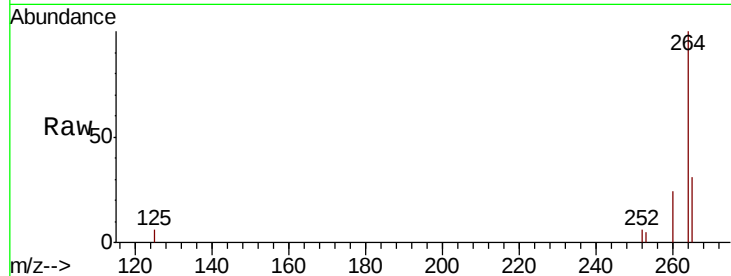
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.75 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	31.2	21.8	32.8

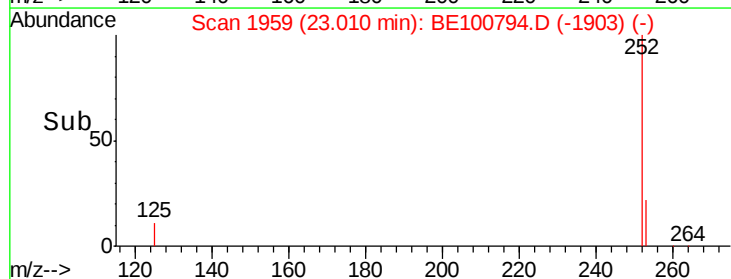
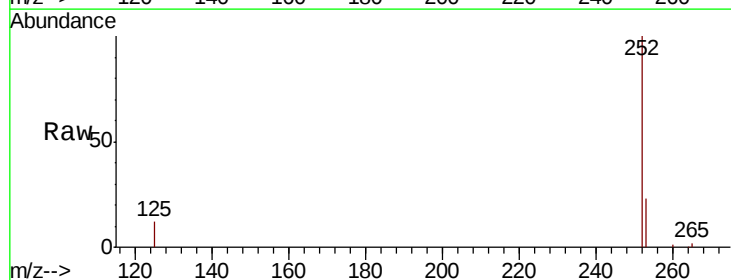
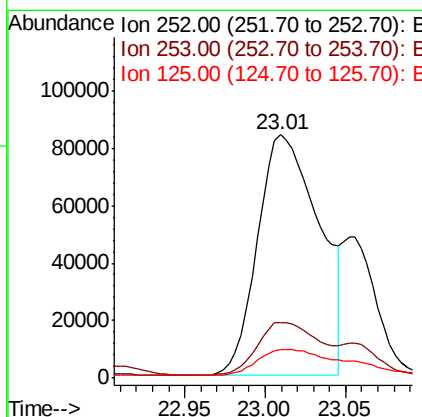
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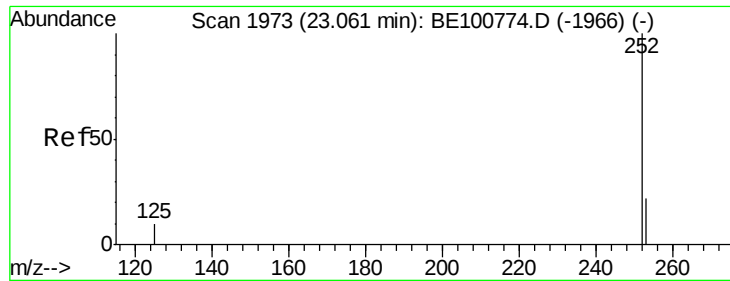
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.570 ng
RT: 23.01 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.7	9.0	13.4





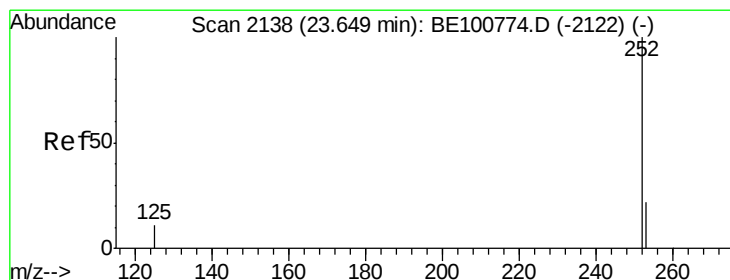
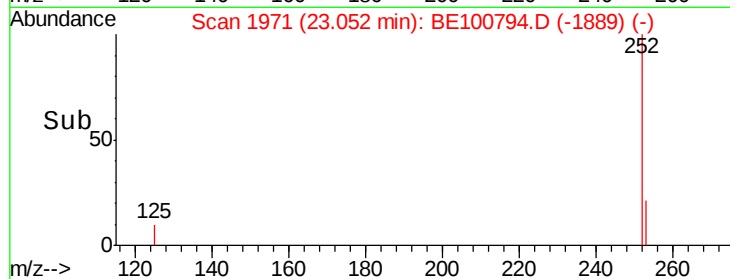
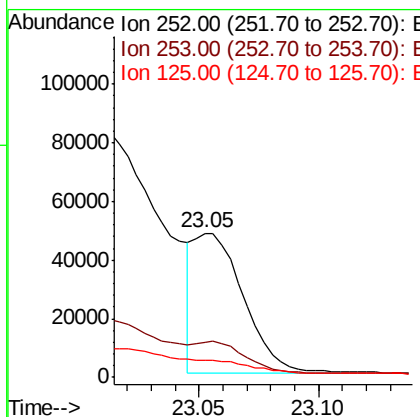
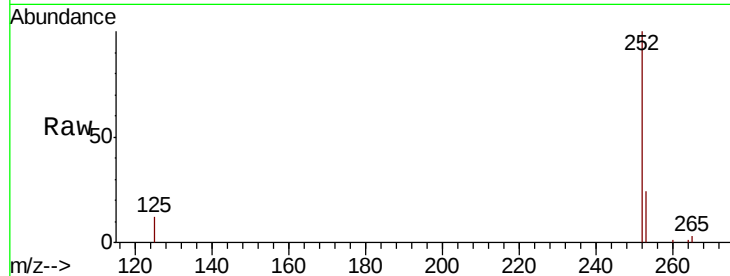
#36
Benzo(k)fluoranthene
Concen: 0.425 ng m
RT: 23.05 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	12.2	8.7	13.1

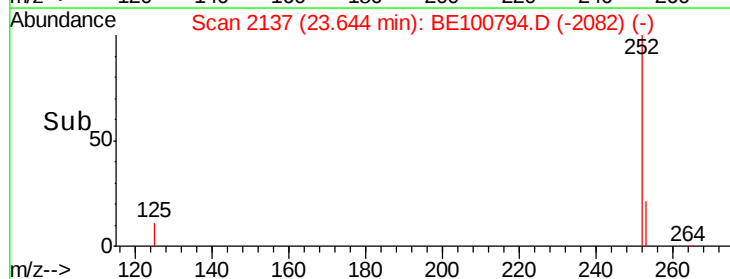
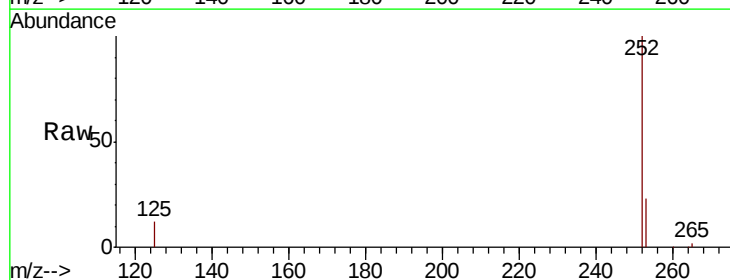
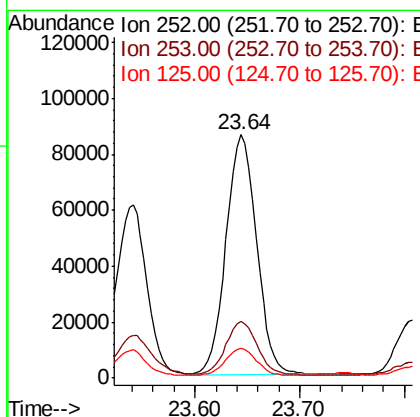
Manual Integrations
APPROVED

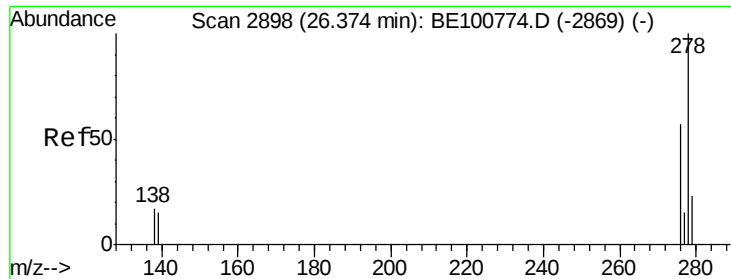
mohammad
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#37
Benzo(a)pyrene
Concen: 1.413 ng
RT: 23.64 min Scan# 2137
Delta R.T. -0.00 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	12.2	10.4	15.6





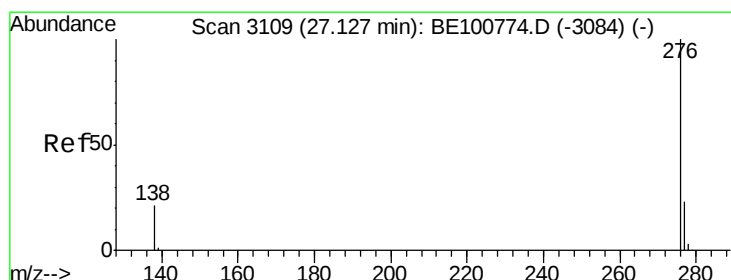
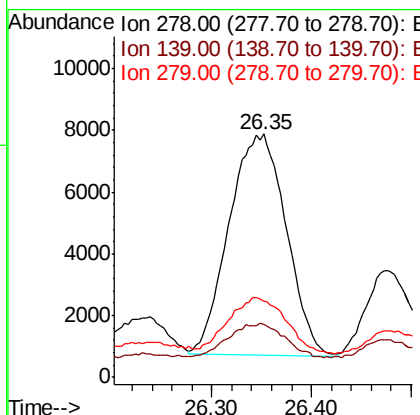
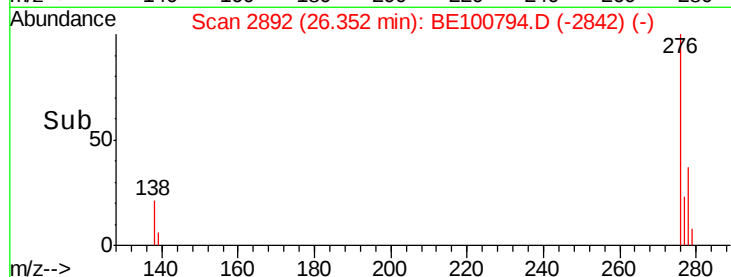
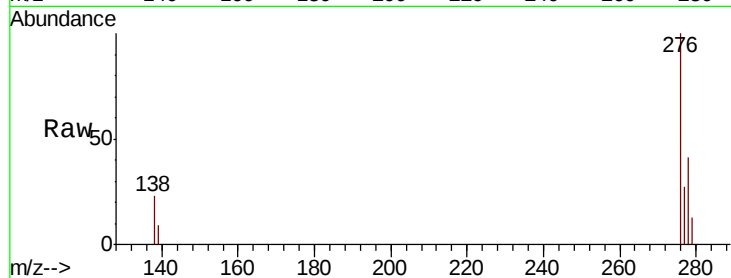
#38
Dibenzo(a,h)anthracene
Concen: 0.233 ng
RT: 26.35 min Scan# 2892
Delta R.T. -0.02 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.8	13.0	19.4#
279	31.0	19.6	29.4#

Manual Integrations
APPROVED

mohammad
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#39
Benzo(g,h,i)perylene
Concen: 0.949 ng
RT: 27.12 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BE100794.D
Acq: 5 Dec 2019 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.3	28.9
138	22.3	17.8	26.6

