

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100402.D
 Acq On : 6 Jul 2019 4:19
 Operator : JU/SJ
 Sample : K3561-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW099-062519

Manual Integrations
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 7/8/2019 2:14:36 PM

Quant Time: Jul 06 05:52:09 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	609	0.40	ng	-0.01
7) Naphthalene-d8	10.42	136	2073	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1562	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	4738	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	5891	0.40	ng	-0.01
34) Perylene-d12	23.65	264	7568	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	311	0.20	ng	-0.01
5) Phenol-d6	6.83	99	422	0.21	ng	-0.01
8) Nitrobenzene-d5	8.82	82	397	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	776	0.20	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	166	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1321	0.22	ng	-0.01
25) Fluoranthene-d10	19.08	212	13082	0.19	ng	-0.02
29) Terphenyl-d14	19.68	244	2785	0.23	ng	-0.02

Target Compounds

						Qvalue
17) Acenaphthene	14.36	154	115	0.027	ng	# 90
18) Fluorene	15.35	166	127	0.020	ng	# 94
23) Phenanthrene	17.09	178	4454	0.388	ng	97
24) Anthracene	17.19	178	569	0.055	ng	# 90
26) Fluoranthene	19.11	202	8621	0.471	ng	98
28) Pyrene	19.48	202	15301	0.981	ng	# 94
30) Benzo(a)anthracene	21.22	228	7407	0.382	ng	# 92
31) Chrysene	21.27	228	8381	0.431	ng	94
32) Bis(2-ethylhexyl)phthalate	21.14	149	3258	0.061	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.20	276	3446	0.134	ng	# 93
35) Benzo(b)fluoranthene	22.91	252	7273	0.354	ng	94
36) Benzo(k)fluoranthene	22.95	252	2821m	0.123	ng	
37) Benzo(a)pyrene	23.55	252	6415	0.312	ng	95
38) Dibenzo(a,h)anthracene	26.21	278	859	0.040	ng	# 43
39) Benzo(a,h,i)perylene	26.98	276	4350	0.197	ng	# 90

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

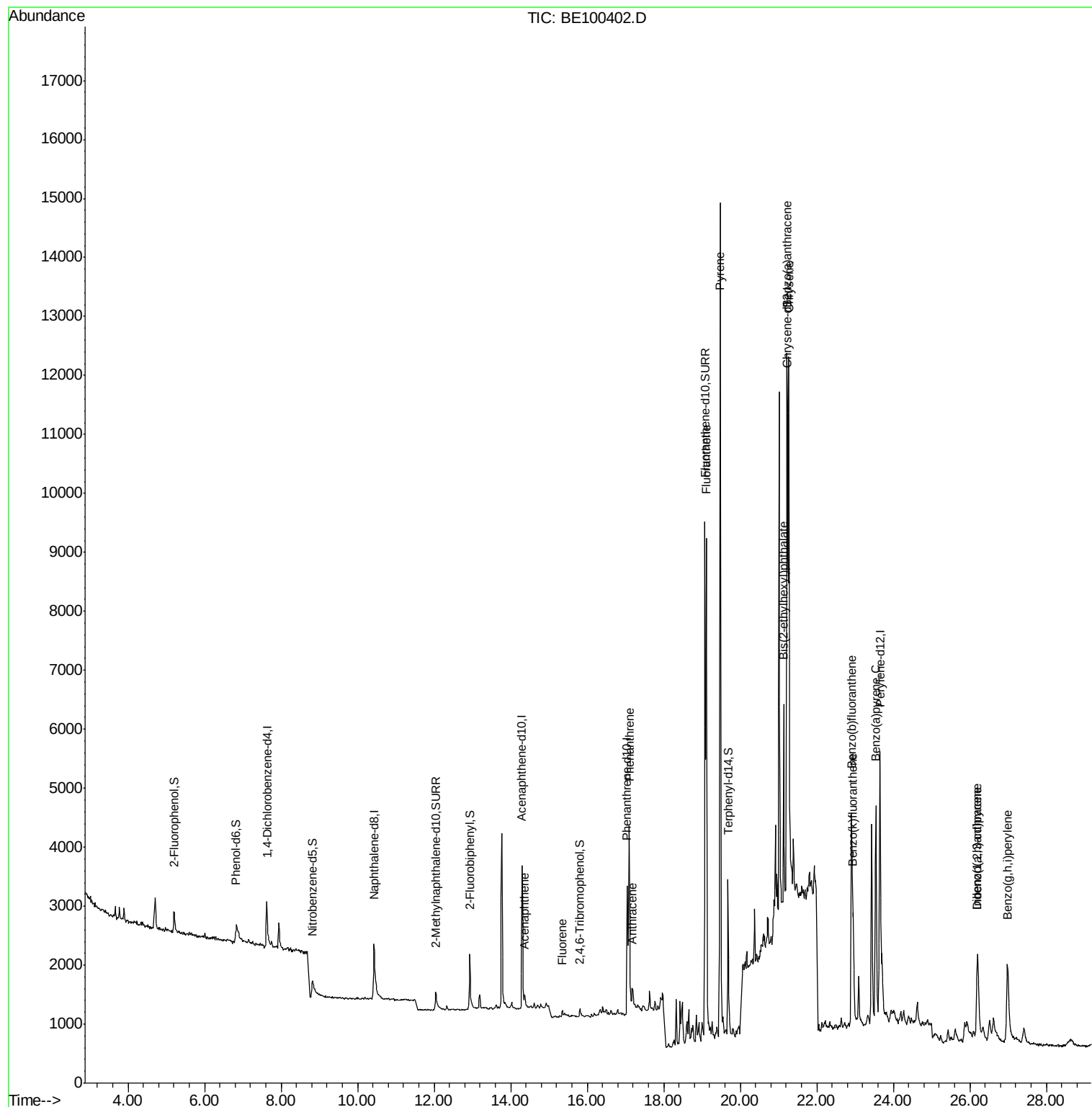
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100402.D
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ALS Vial : 27 Sample Multiplier: 1

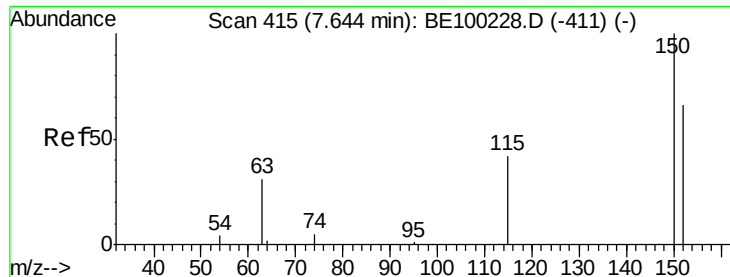
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EXT-016-SW099-062519

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Quant Time: Jul 06 05:52:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
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#1

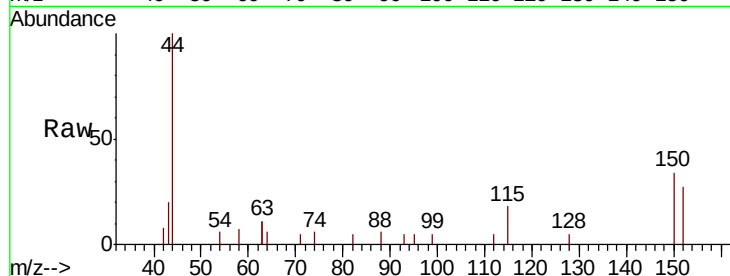
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519

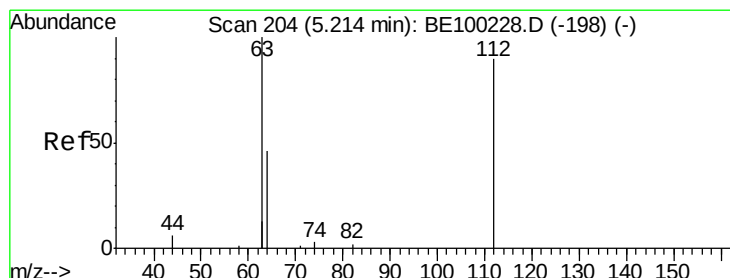
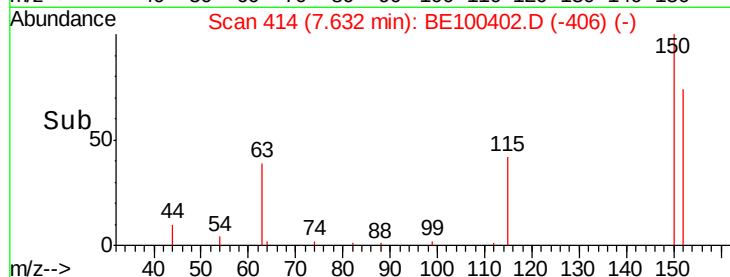
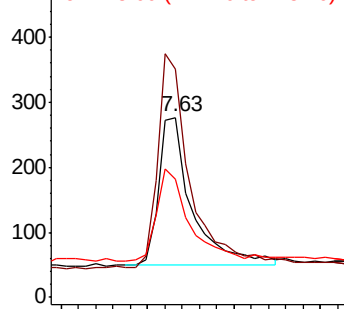
Tot Ion	Ratio	Lower	Upper
152	100		
150	126.7	114.5	171.7
115	65.7	57.1	85.7

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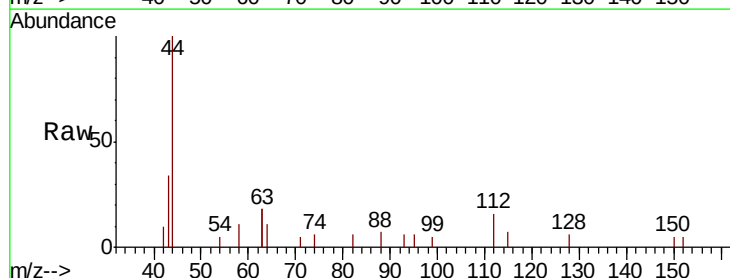
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



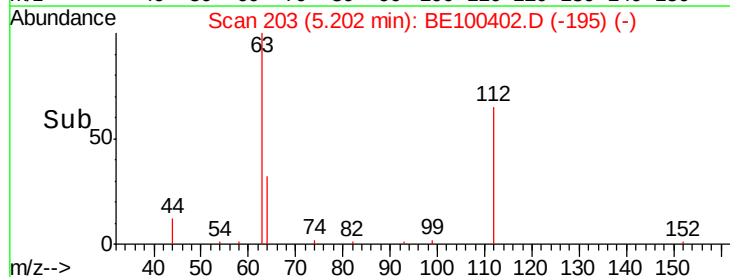
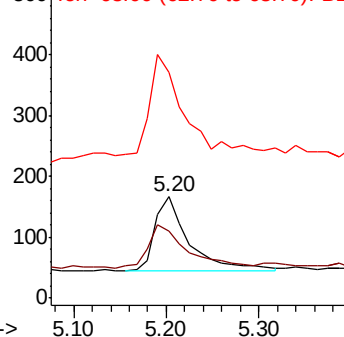
#4

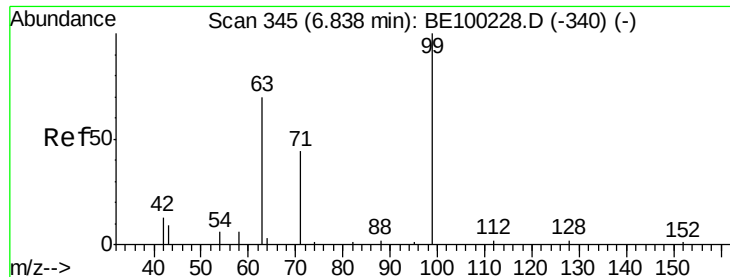
2-Fluorophenol
Concen: 0.200 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	39.4	59.0#
63	138.3	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: 0.207 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Instrument :

BNA_E

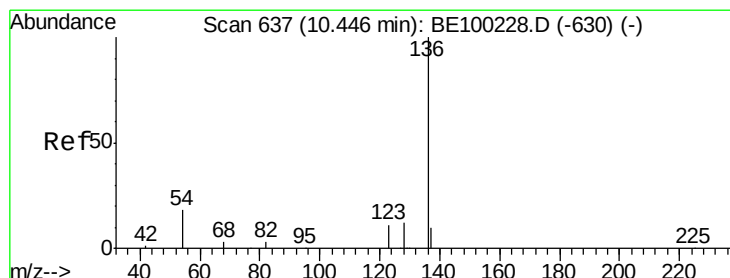
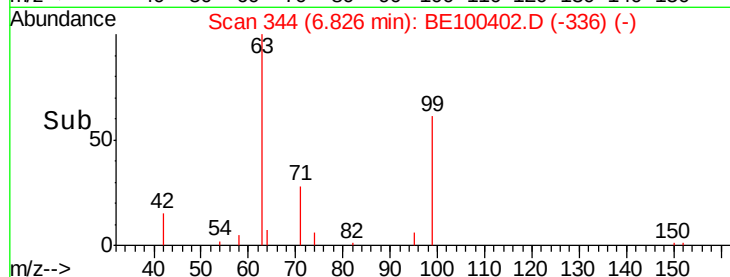
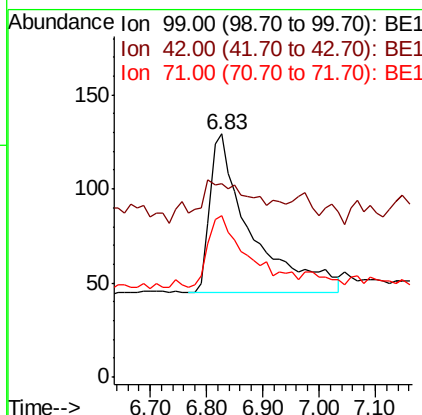
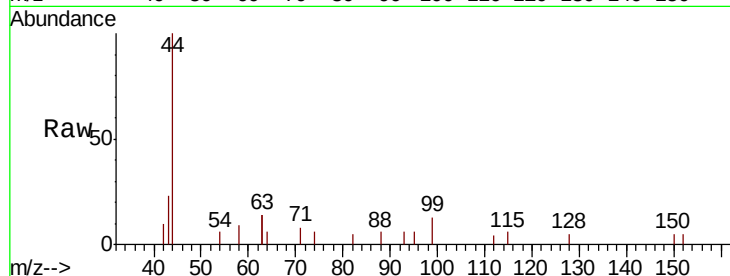
ClientSampleId :

EXT-016-SW099-062519

Tot Ion:	99	Resp:	422
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	43.4	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

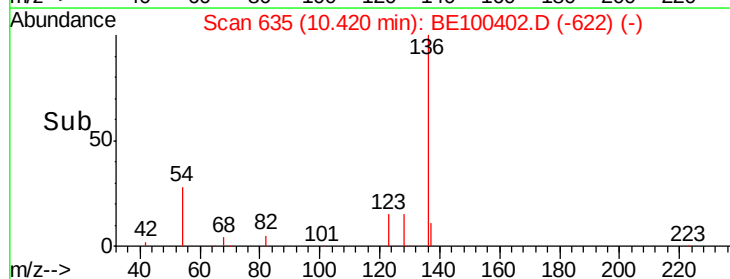
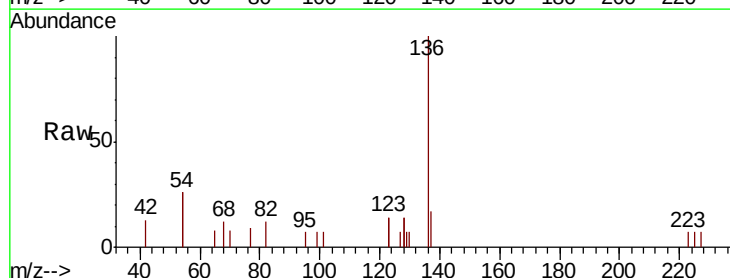
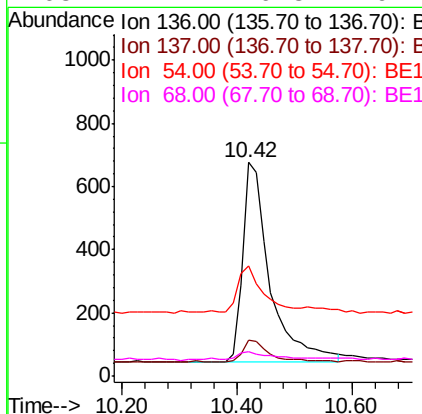
RT: 10.42 min Scan# 635

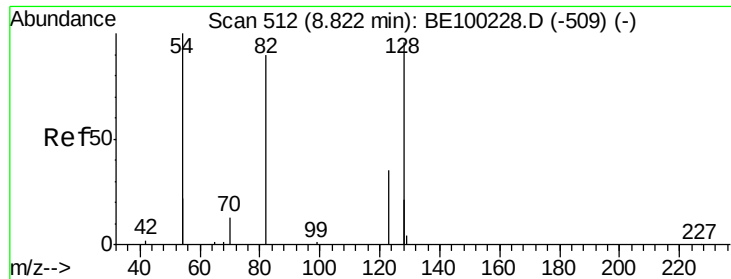
Delta R.T. -0.03 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Tgt Ion:	136	Resp:	2073
Ion	Ratio	Lower	Upper
136	100		
137	16.9	11.8	17.8
54	51.5	27.7	41.5#
68	11.7	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.193 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Instrument :

BNA_E

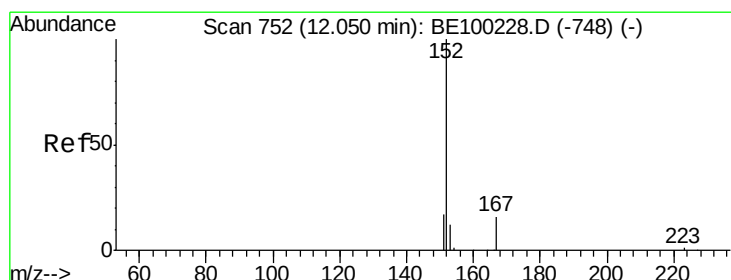
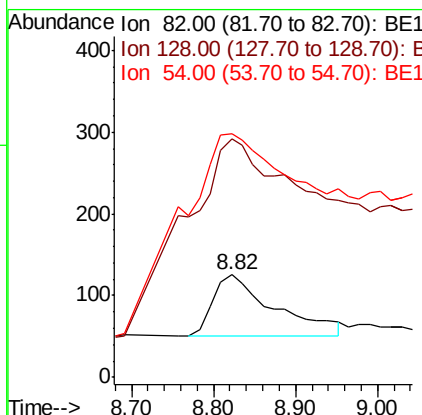
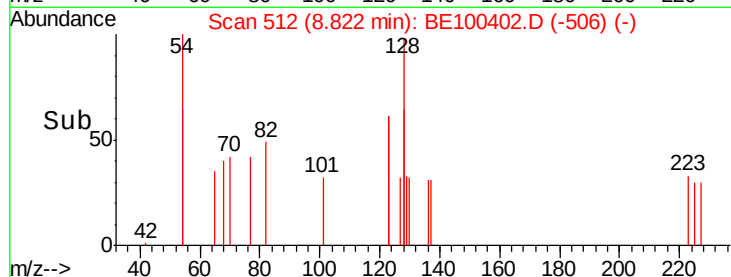
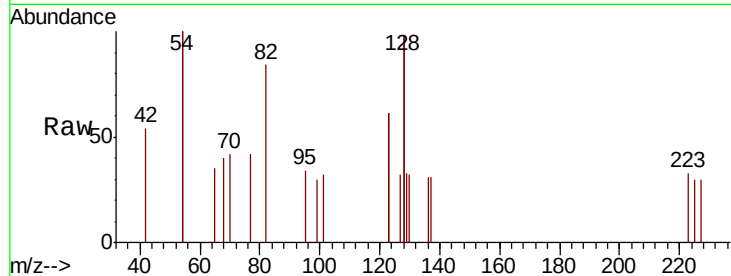
ClientSampleId :

EXT-016-SW099-062519

Tot Ion:	82	Resp:	397
Ion Ratio	Lower	Upper	
82	100		
128	233.6	140.9	211.3#
54	238.4	146.2	219.2#

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#11

2-Methylnaphthalene-d10

Concen: 0.199 ng

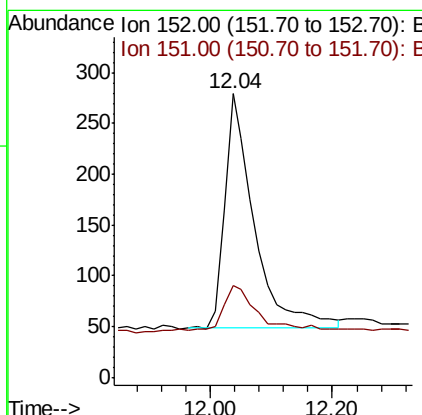
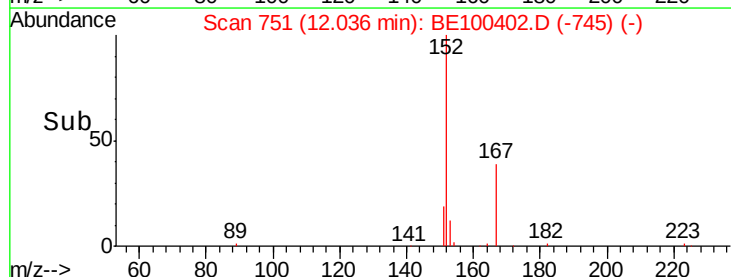
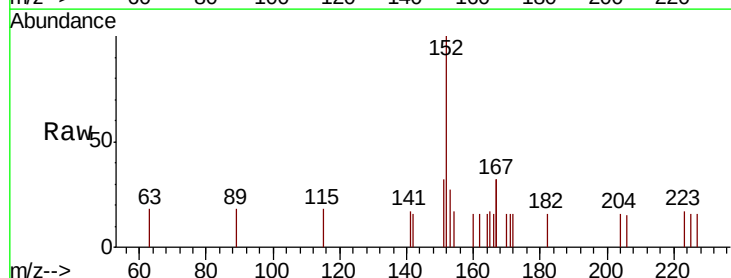
RT: 12.04 min Scan# 751

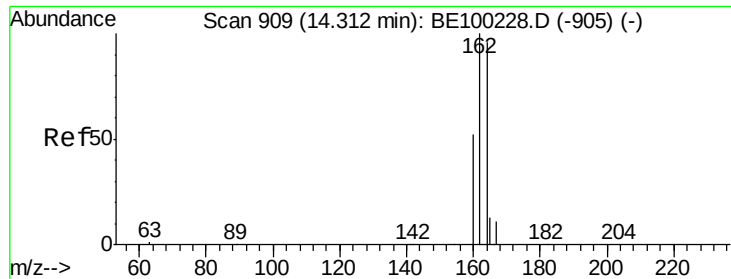
Delta R.T. -0.01 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Tgt Ion:	152	Resp:	776
Ion Ratio	Lower	Upper	
152	100		
151	21.8	15.1	22.7





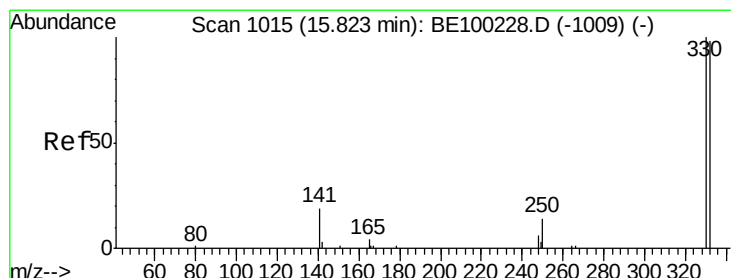
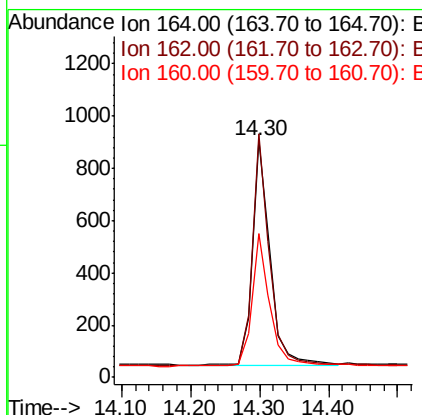
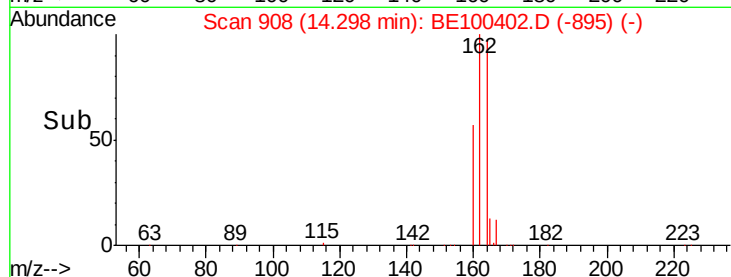
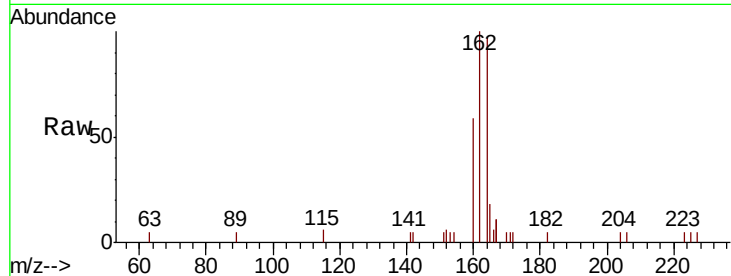
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.30 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.4	125.0
160	60.7	45.0	67.6

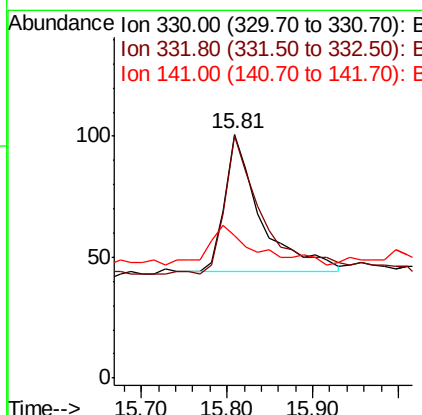
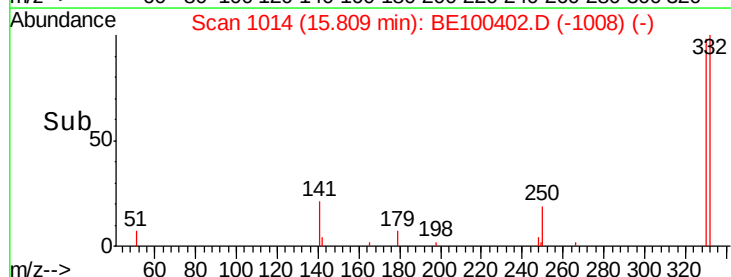
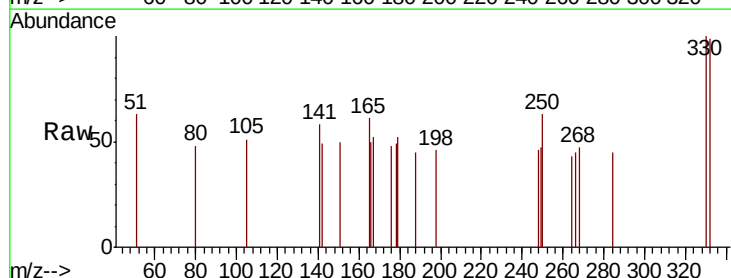
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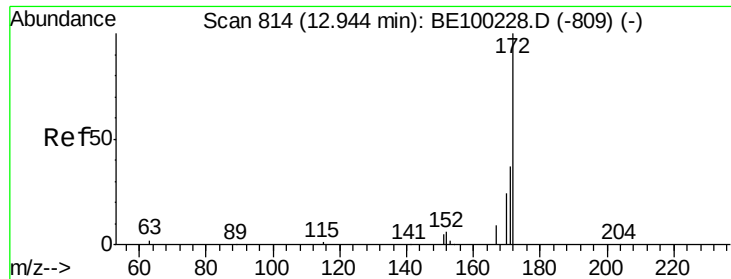
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#14
 2,4,6-Tribromophenol
 Concen: 0.152 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	119.3	77.0	115.4#
141	36.1	22.0	33.0#





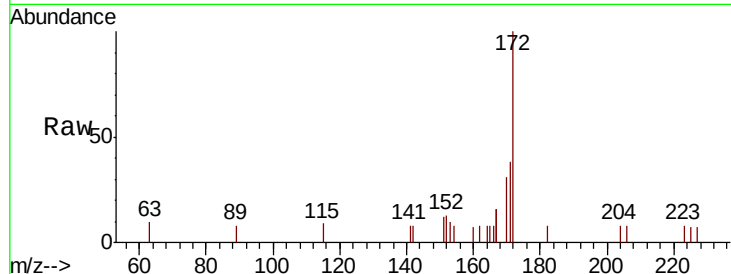
#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519

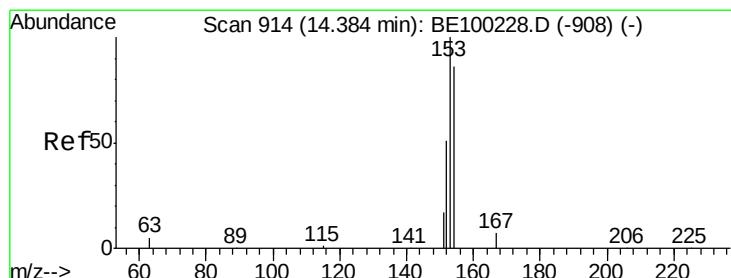
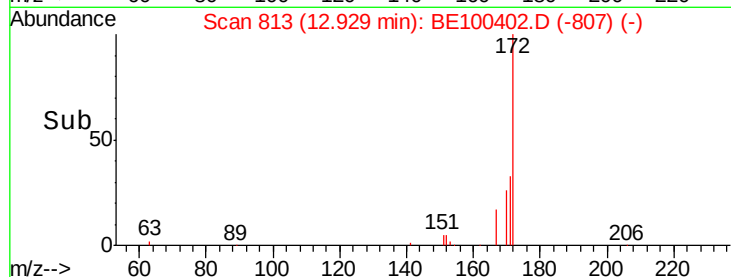
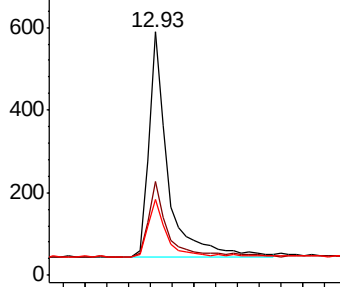
Tot Ion:	172	Resp:	1321
Ion Ratio	Lower	Upper	
172	100		
171	38.4	31.9	47.9
170	31.2	22.2	33.2

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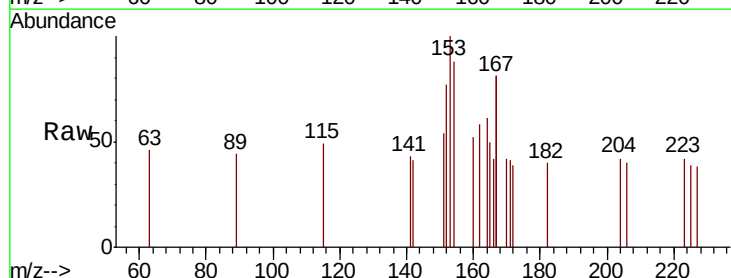


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

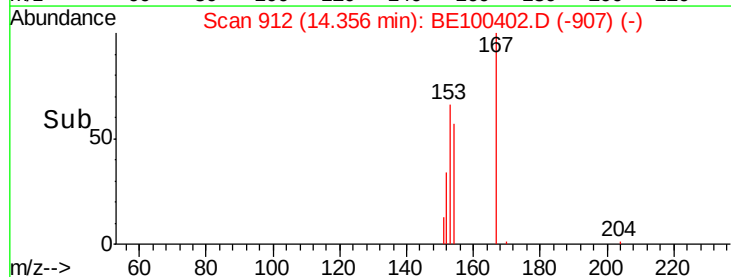
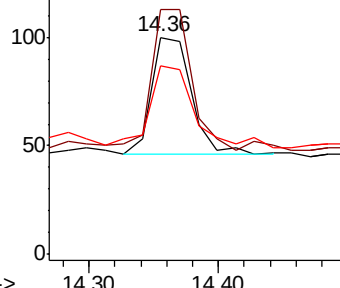


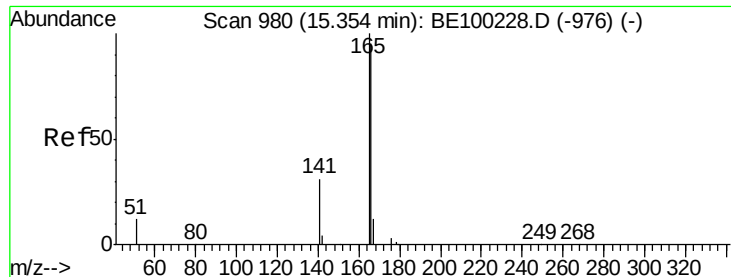
#17
Acenaphthene
Concen: 0.027 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:	154	Resp:	115
Ion Ratio	Lower	Upper	
154	100		
153	120.0	93.4	140.2
152	80.0	49.4	74.2#



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





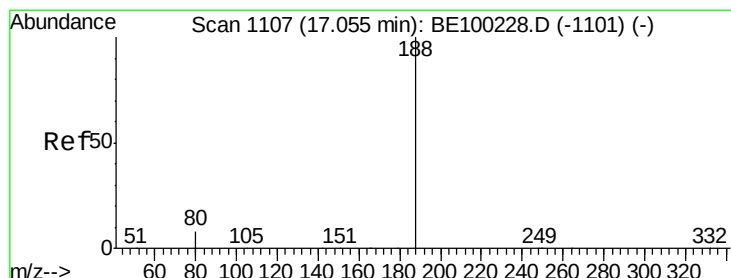
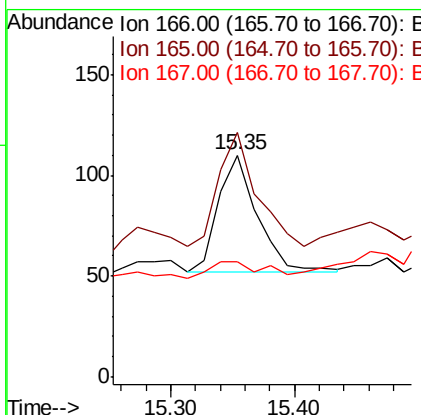
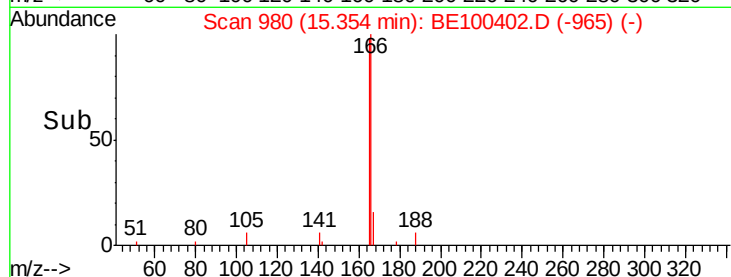
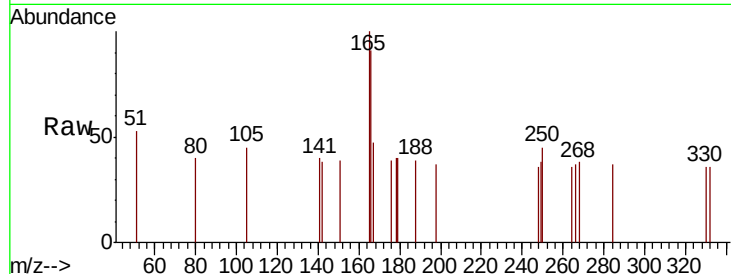
#18
Fluorene
 Concen: 0.020 ng
 RT: 15.35 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Instrument :
 BNA_E
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 EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.1	81.1	121.7
167	18.9	10.7	16.1

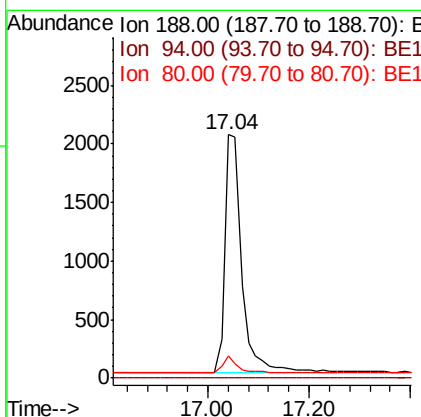
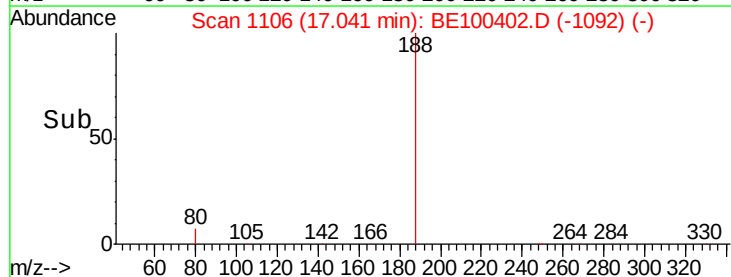
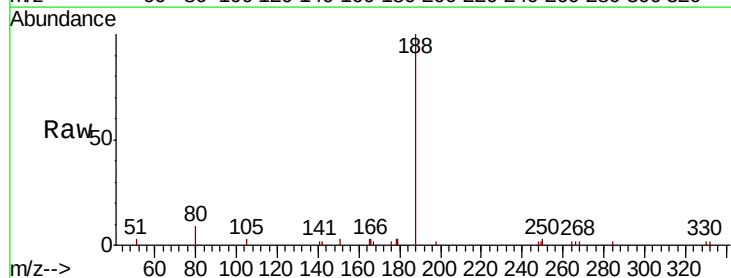
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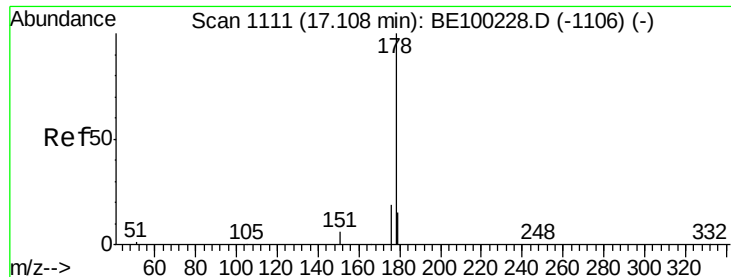
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.04 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.6	11.4





#23

Phenanthrene

Concen: 0.388 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Instrument :

BNA_E

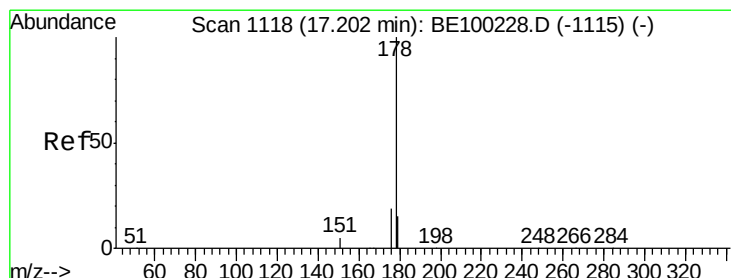
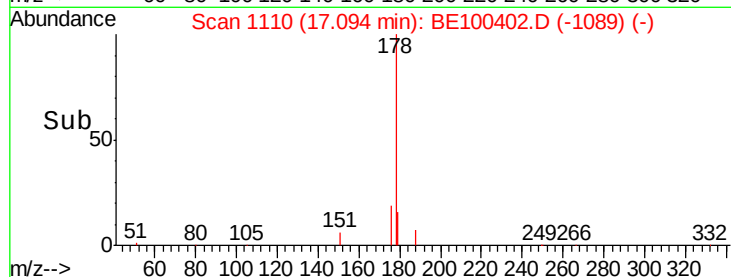
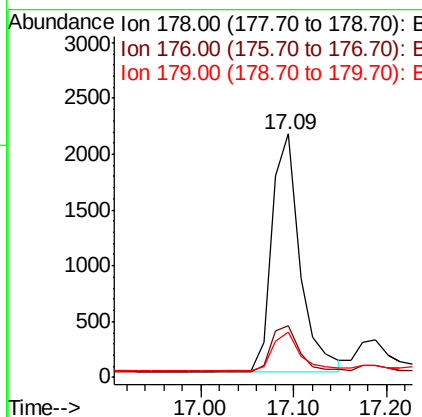
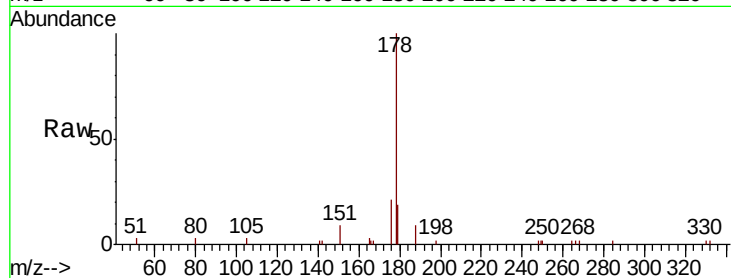
ClientSampleId :

EXT-016-SW099-062519

Tot Ion:178	Resp:	4454
Ion Ratio	Lower	Upper
178	100	
176	20.4	15.9 23.9
179	17.2	12.2 18.2

Manual Integrations
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#24

Anthracene

Concen: 0.055 ng

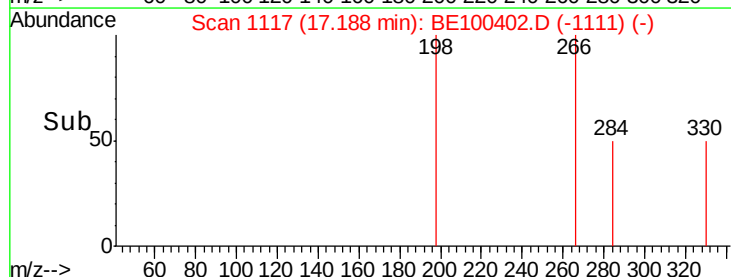
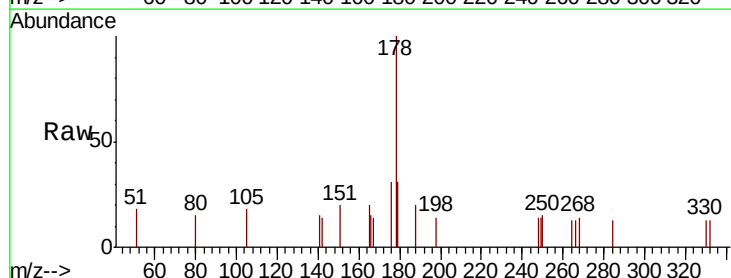
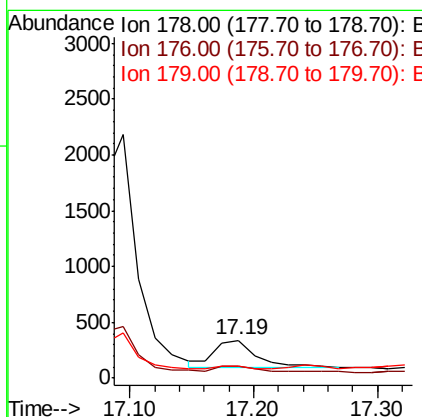
RT: 17.19 min Scan# 1117

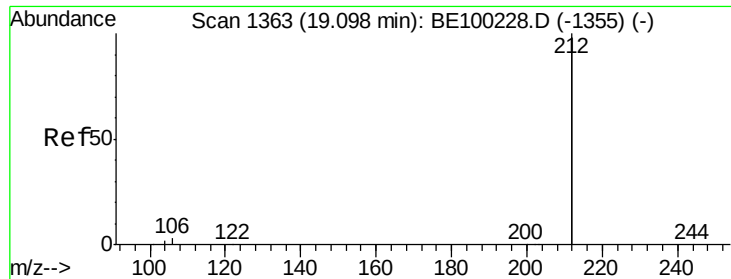
Delta R.T. -0.01 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Tgt Ion:178	Resp:	569
Ion Ratio	Lower	Upper
178	100	
176	21.3	15.3 22.9
179	8.1	12.2 18.2#





#25

Fluoranthene-d10

Concen: 0.190 ng

RT: 19.08 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

Instrument :

BNA_E

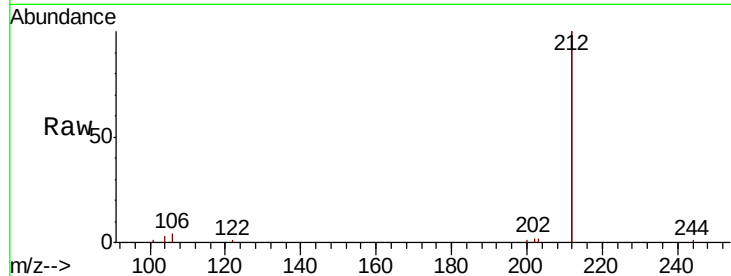
ClientSampleId :

EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
212	100		
106	1.4	1.3	1.9
104	1.0	0.8	1.2

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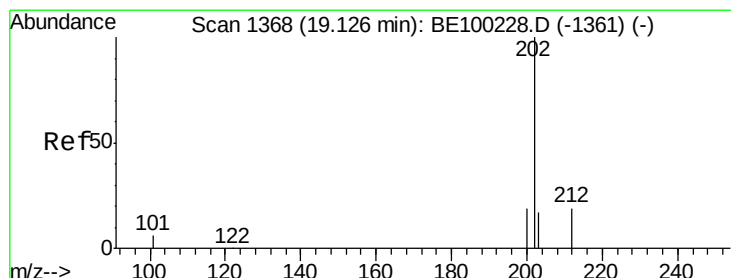
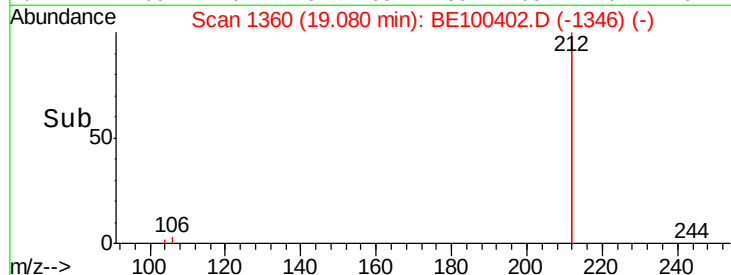
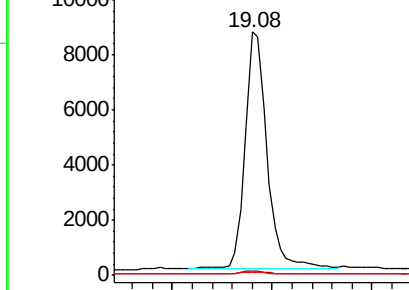


Abundance

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: 0.471 ng

RT: 19.11 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE100402.D

Acq: 6 Jul 2019 4:19

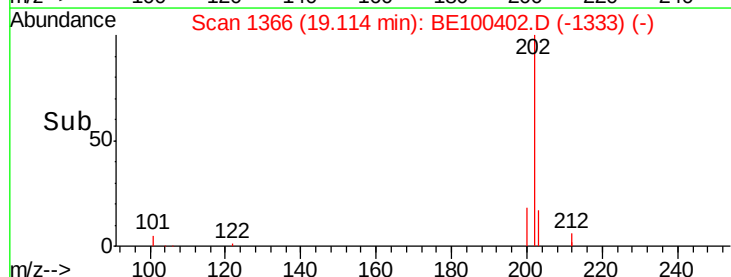
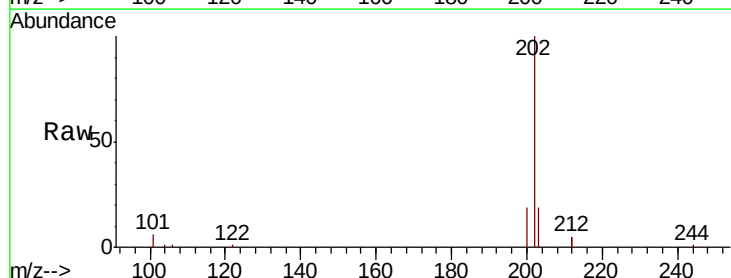
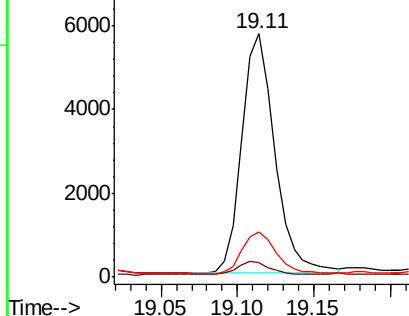
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.3	4.6	7.0
203	17.9	13.7	20.5

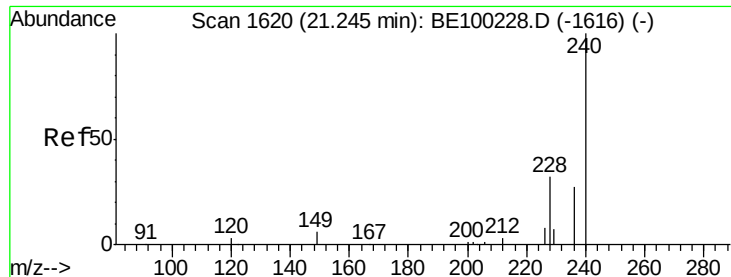
Abundance

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





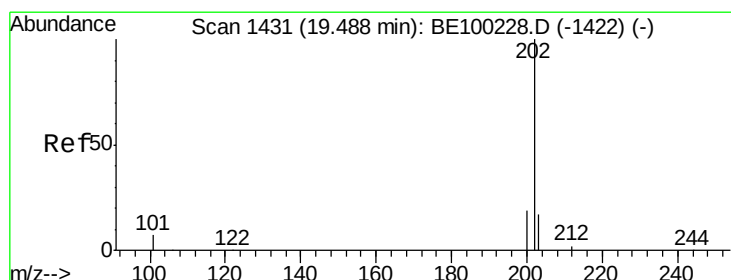
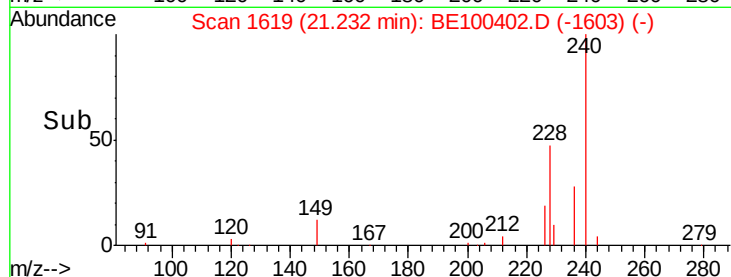
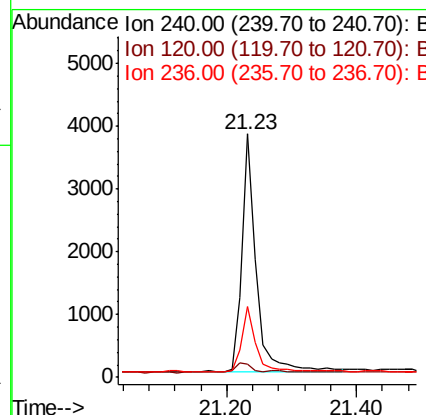
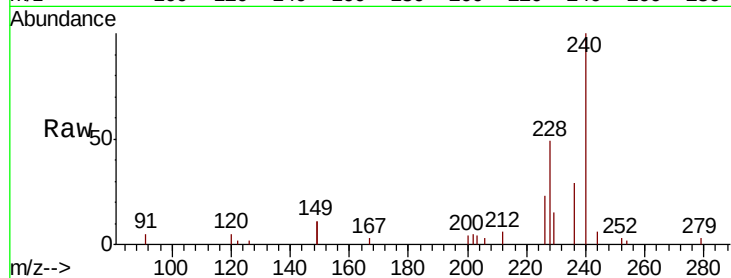
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	3.3	4.9#
236	29.1	22.6	34.0

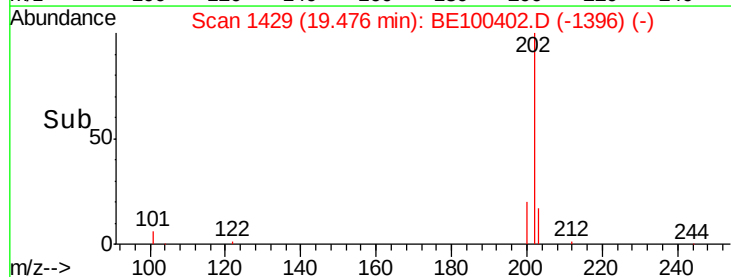
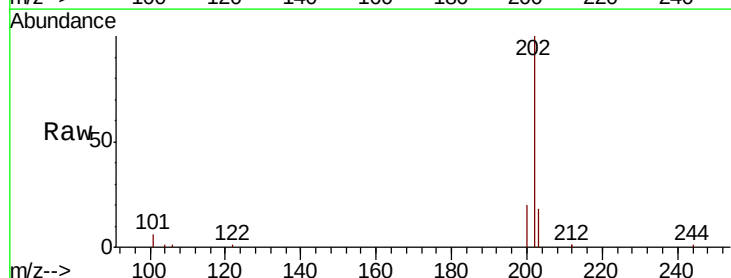
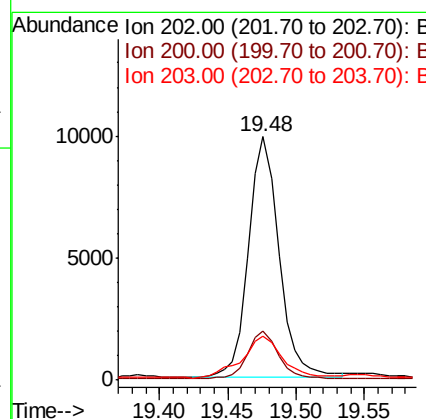
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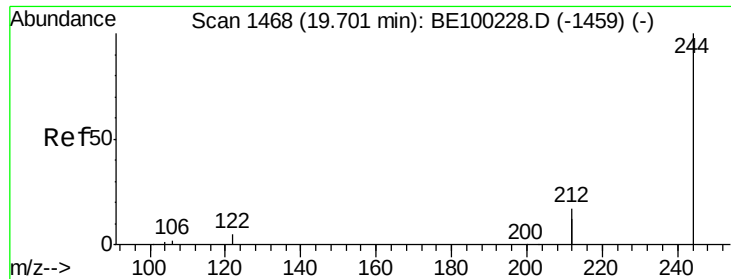
mohammad
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#28
Pyrene
Concen: 0.981 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.6	23.4
203	22.4	14.0	21.0#





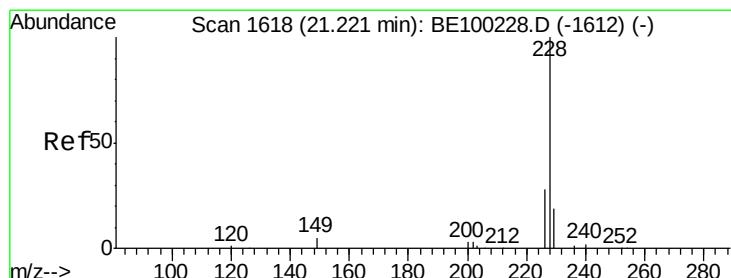
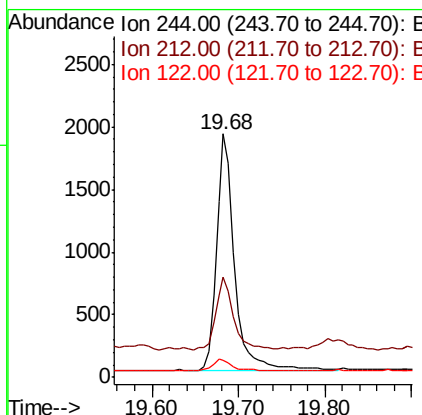
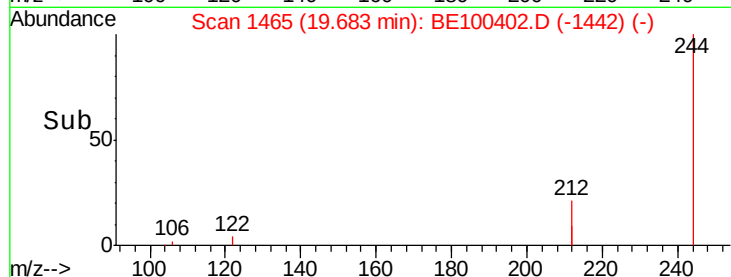
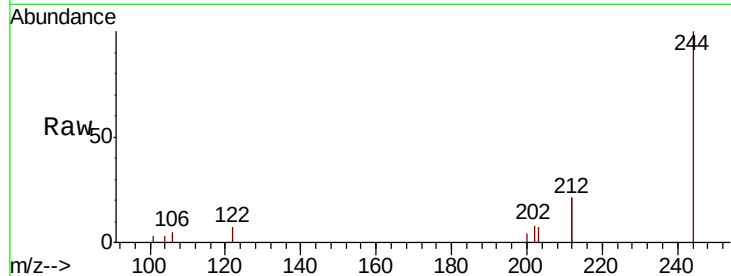
#29
 Terphenyl-d14
 Concen: 0.228 ng
 RT: 19.68 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
244	100		
212	41.3	27.3	40.9#
122	6.9	4.7	7.1

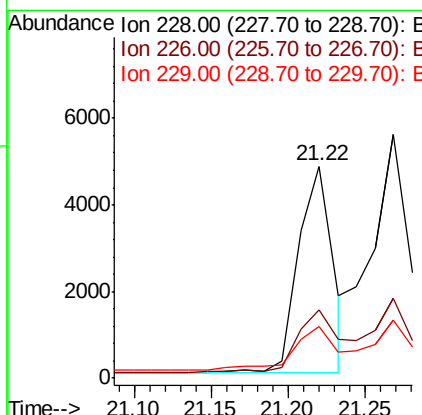
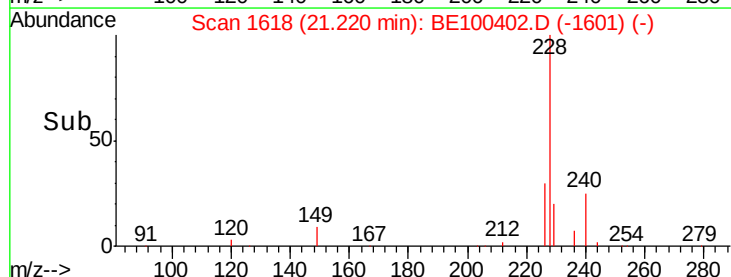
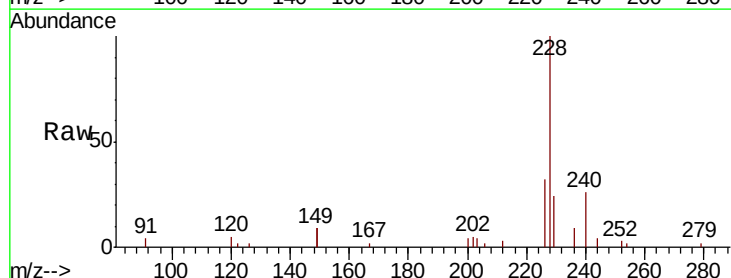
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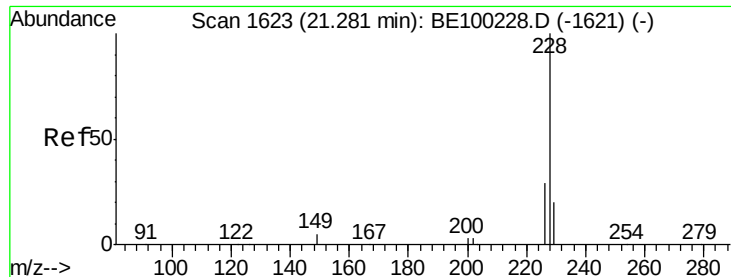
mohammad
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#30
 Benzo(a)anthracene
 Concen: 0.382 ng
 RT: 21.22 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.2	34.8
229	24.2	15.7	23.5#





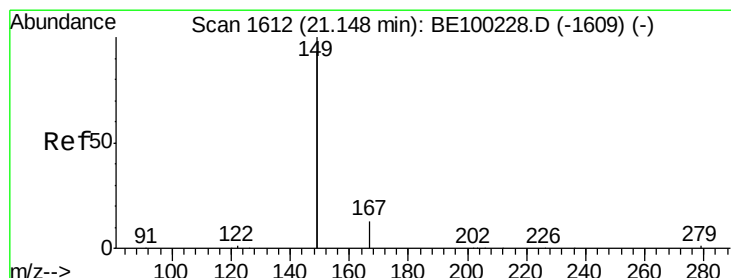
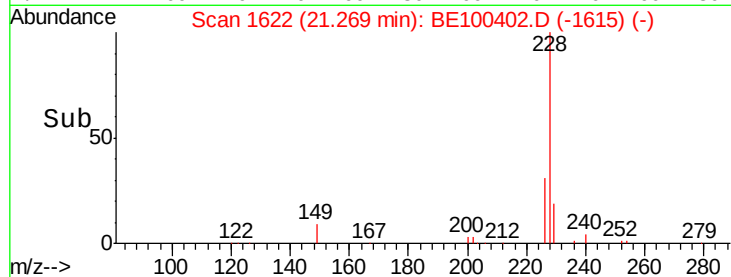
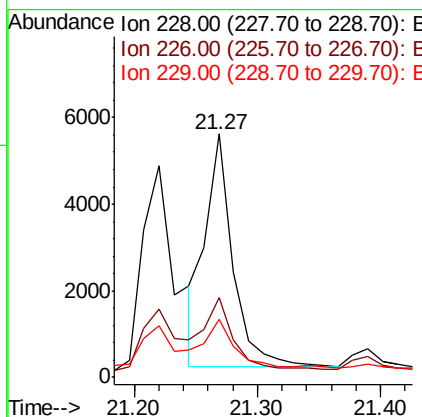
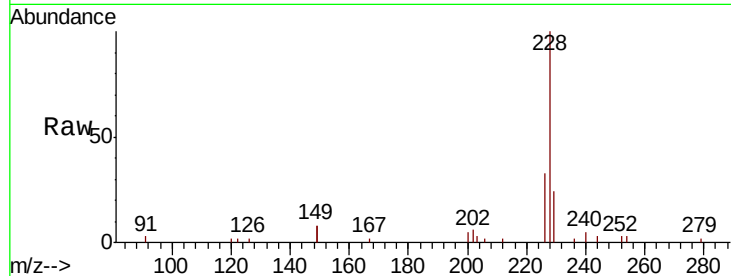
#31
Chrysene
Concen: 0.431 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519

Tot Ion:228	Resp:	8381
Ion Ratio	Lower	Upper
228 100		
226 32.8	23.9	35.9
229 23.7	16.5	24.7

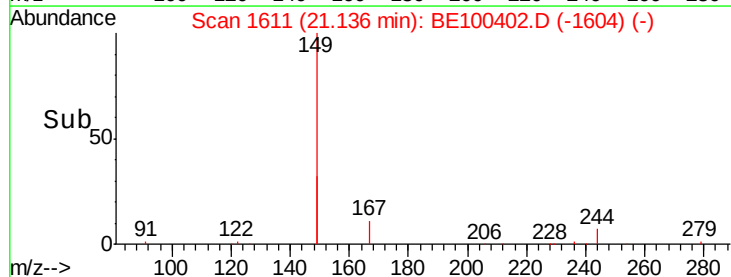
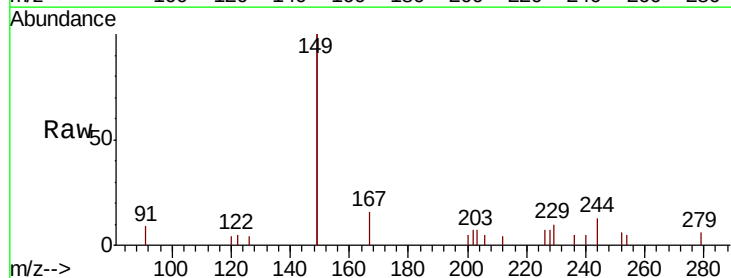
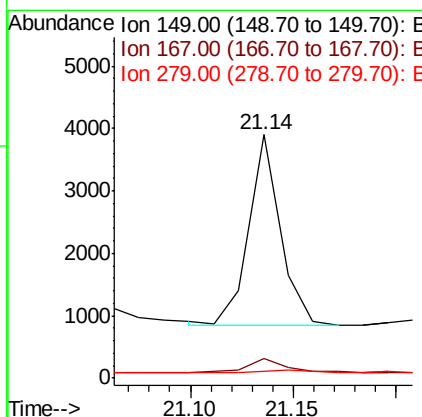
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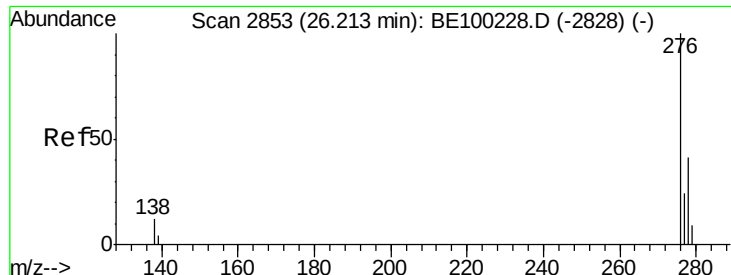
mohammad
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ng
RT: 21.14 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion:149	Resp:	3258
Ion Ratio	Lower	Upper
149 100		
167 7.9	5.8	8.8
279 2.6	1.1	1.7#





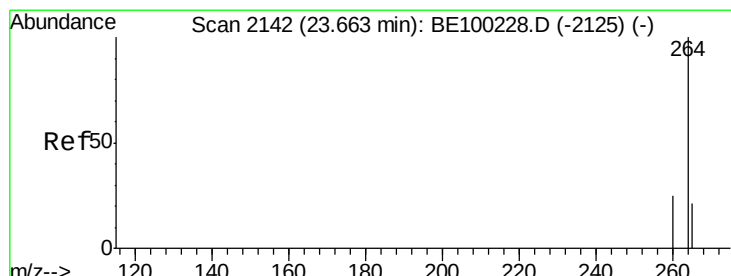
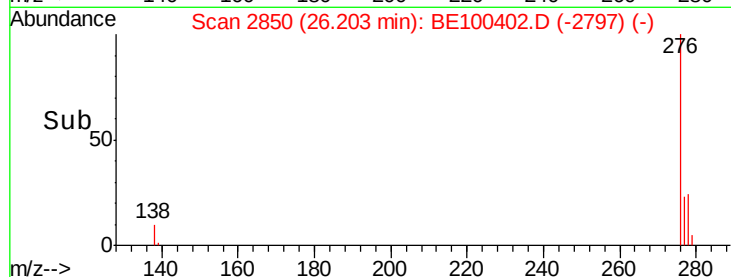
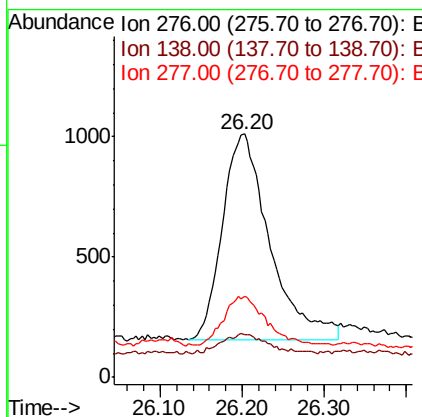
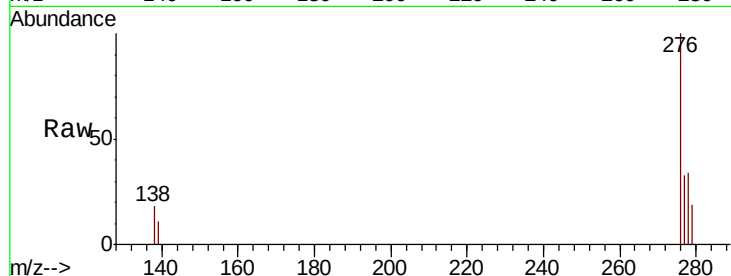
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.134 ng
 RT: 26.20 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.4	9.4	14.0#
277	21.0	19.2	28.8

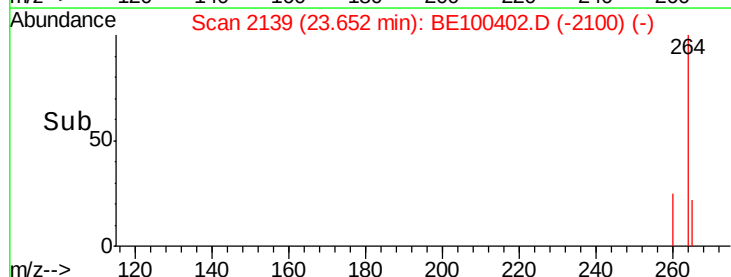
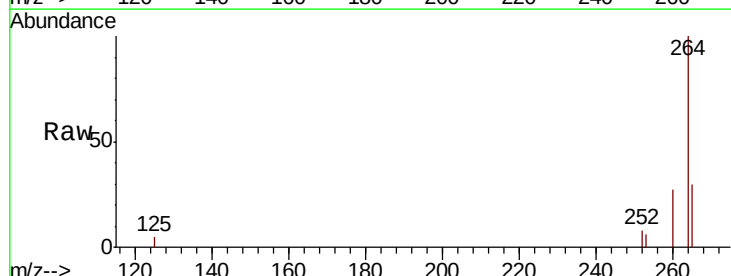
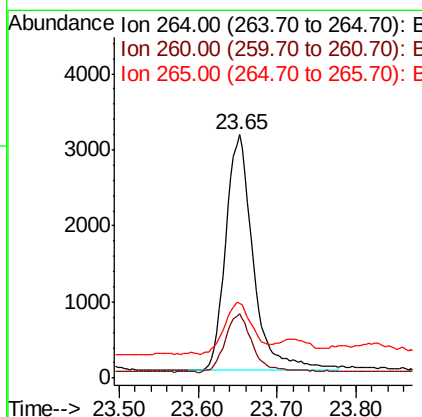
Manual Integrations
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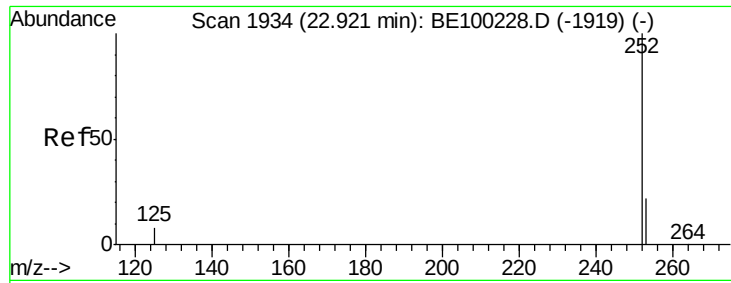
mohammad
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.65 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: BE100402.D
 Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.8	31.2
265	30.5	21.8	32.6





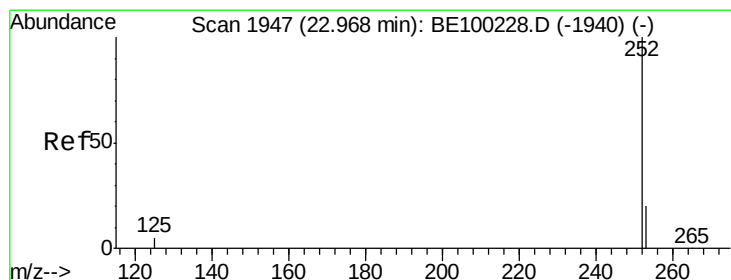
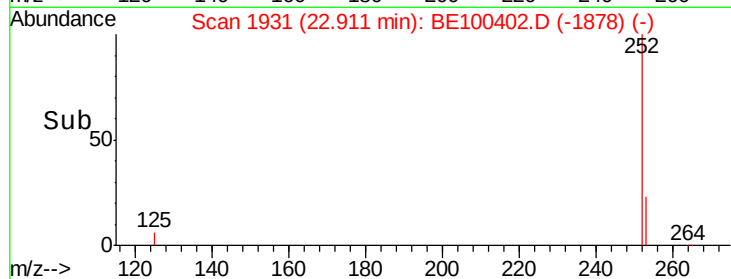
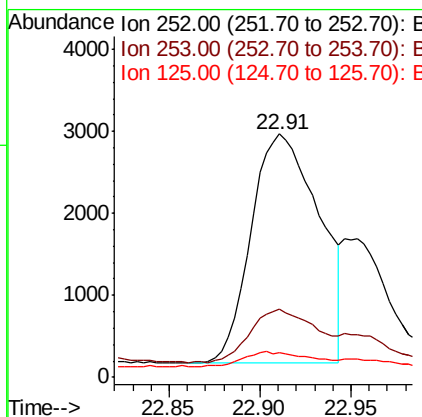
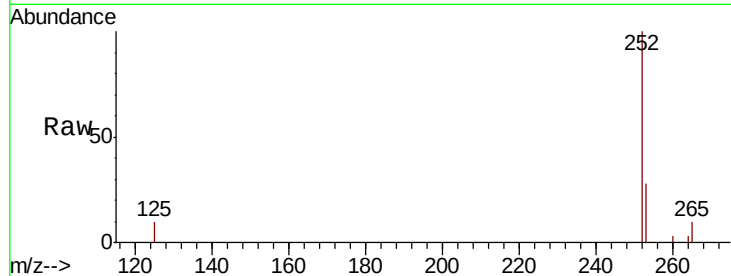
#35
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	19.2	28.8
125	10.1	7.4	11.0

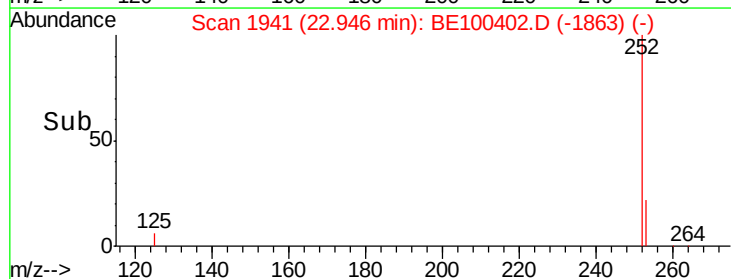
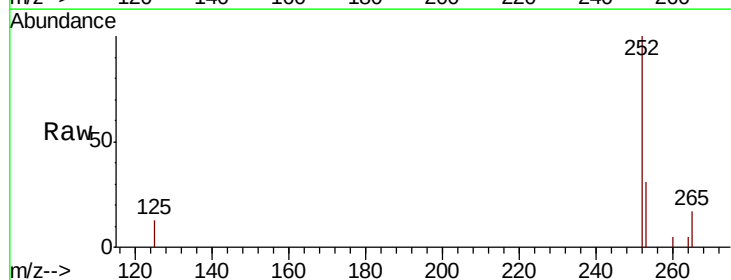
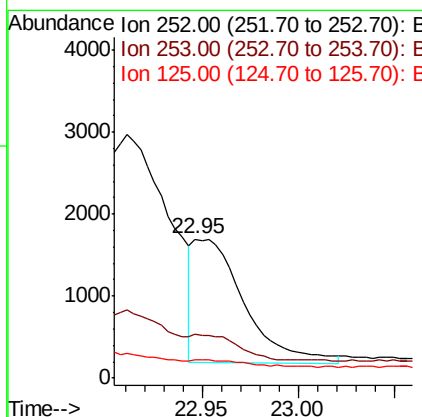
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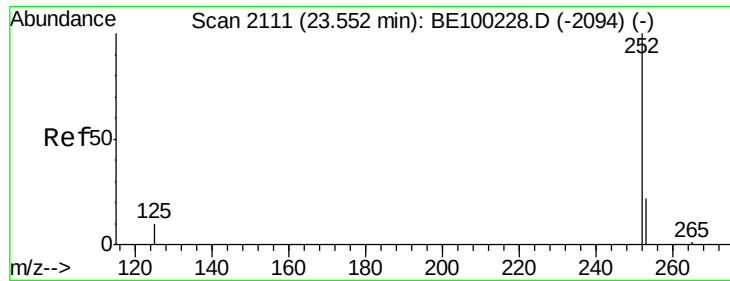
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.123 ng m
RT: 22.95 min Scan# 1941
Delta R.T. -0.02 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.9	26.9#
125	13.0	5.0	7.4#





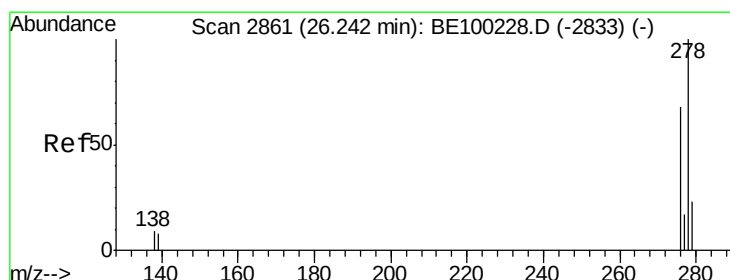
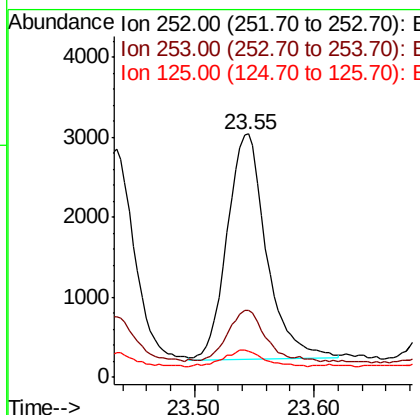
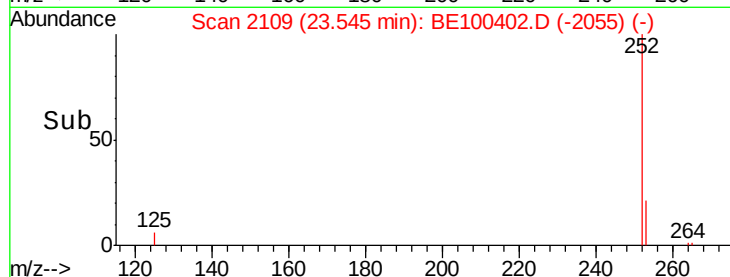
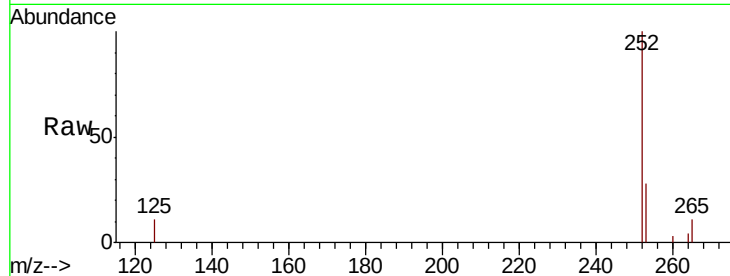
#37
Benzo(a)pyrene
Concen: 0.312 ng
RT: 23.55 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	19.6	29.4
125	10.6	9.0	13.6

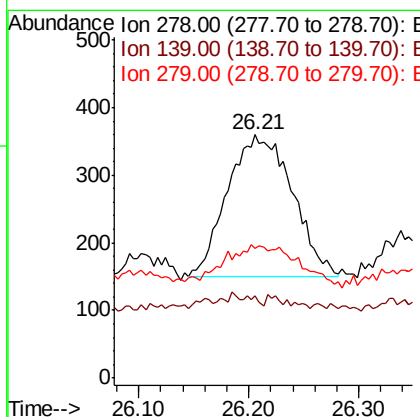
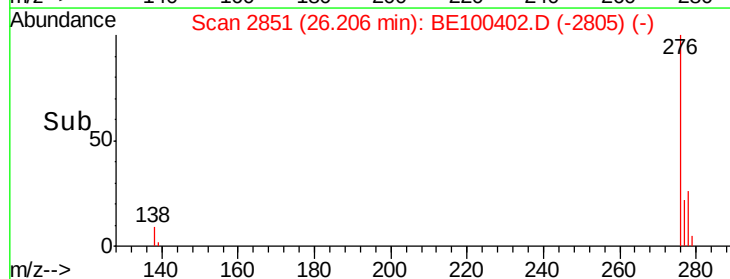
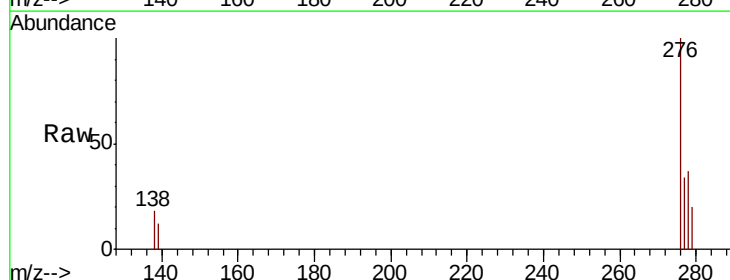
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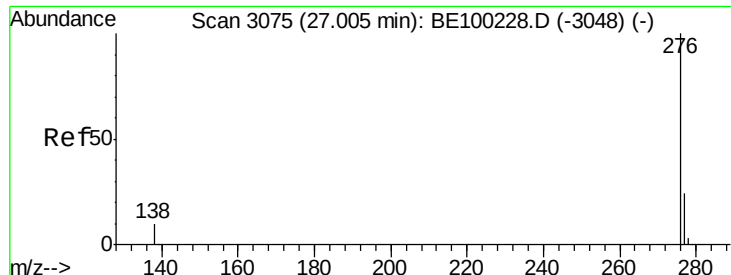
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 26.21 min Scan# 2851
Delta R.T. -0.04 min
Lab File: BE100402.D
Acq: 6 Jul 2019 4:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.6	8.2	12.2#
279	53.3	20.3	30.5#





#39

Benzo(a,h,i)perylene

Concen: 0.197 ng

RT: 26.98 min Scan# 3069

Delta R.T. -0.02 min

Lab File: BE100402.D

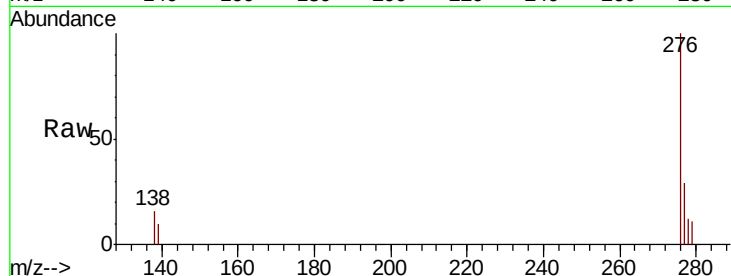
Acq: 6 Jul 2019 4:19

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519



Tot Ion:	276	Resp:	4350
Ion Ratio	Lower	Upper	
276	100		
277	29.4	20.2	30.2
138	15.9	9.0	13.6

Manual Integrations
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