

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100274.D
 Acq On : 1 Jul 2019 20:19
 Operator : JU/SJ
 Sample : K3428-08DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319DL

Manual Integrations
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mohammad
 7/3/2019 9:48:07 AM

Quant Time: Jul 02 03:47:56 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	7.64	152	812	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3020	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2387	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6699	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8671	0.40	ng	0.00
34) Perylene-d12	23.67	264	9914	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	64	0.03	ng	0.00
5) Phenol-d6	6.84	99	91	0.03	ng	0.00
8) Nitrobenzene-d5	8.85	82	93	0.03	ng	0.03
11) 2-Methylnaphthalene-d10	12.05	152	174	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	47	0.03	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	272	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	2913	0.03	ng	0.00
29) Terphenyl-d14	19.70	244	1445	0.08	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	2324	0.070	ng	# 92
12) 2-Methylnaphthalene	12.12	142	337	0.058	ng	# 89
16) Acenaphthylene	14.04	152	1721	0.150	ng	99
17) Acenaphthene	14.38	154	501	0.077	ng	98
18) Fluorene	15.35	166	1176	0.123	ng	# 93
23) Phenanthrene	17.09	178	28126	1.732	ng	99
24) Anthracene	17.19	178	4101	0.280	ng	99
26) Fluoranthene	19.13	202	64078	2.478	ng	99
28) Pyrene	19.49	202	65922	2.872	ng	96
30) Benzo(a)anthracene	21.23	228	39048	1.370	ng	97
31) Chrysene	21.28	228	44370	1.550	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	24808	0.558	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	27705	0.732	ng	97
35) Benzo(b)fluoranthene	22.93	252	50448	1.877	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	17467m	0.582	ng	
37) Benzo(a)pyrene	23.56	252	35323m	1.311	ng	
38) Dibenzo(a,h)anthracene	26.24	278	7227	0.257	ng	# 86
39) Benzo(a,h,i)perylene	27.02	276	29126	1.008	ng	99

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

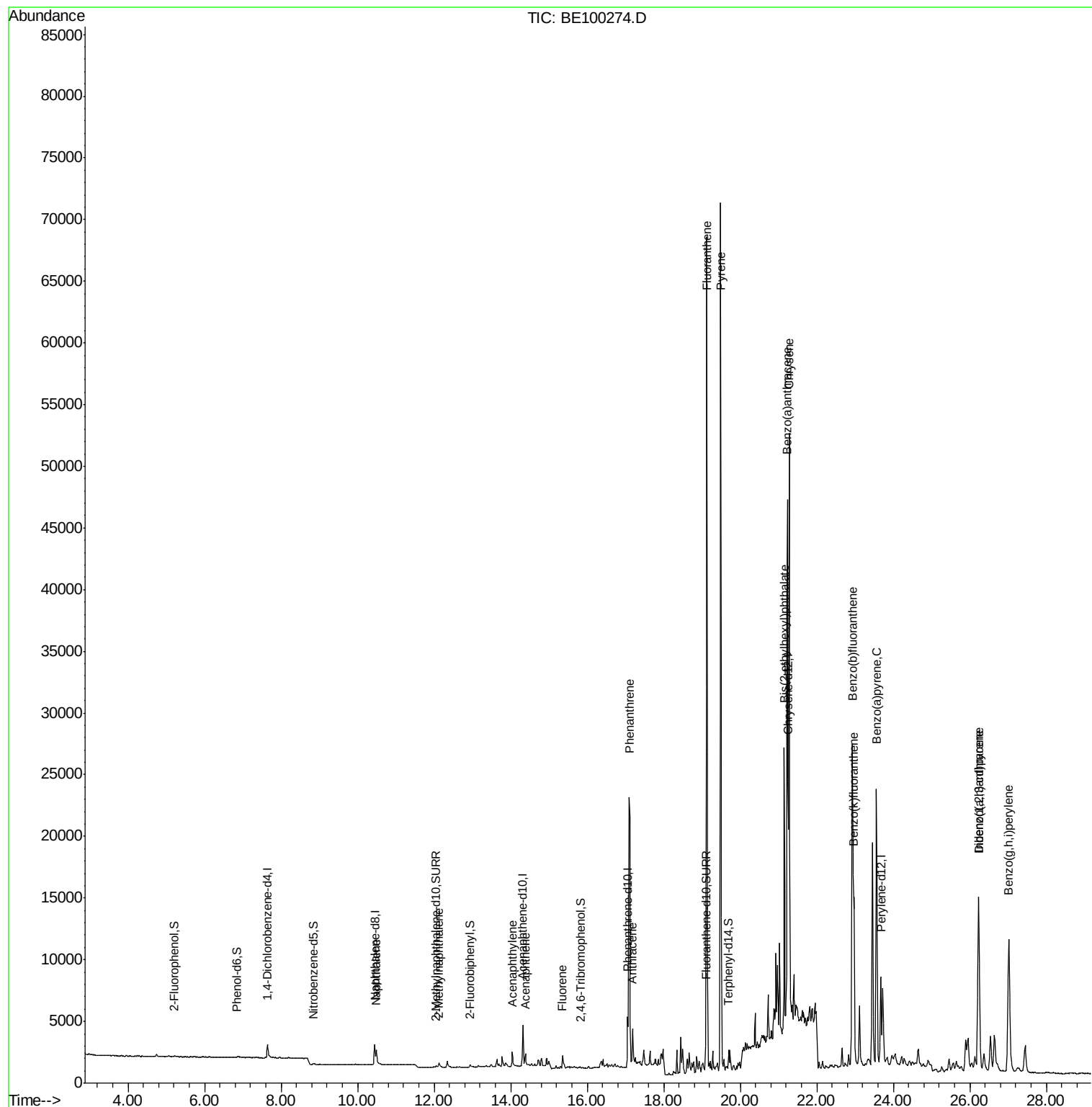
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100274.D
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ALS Vial : 17 Sample Multiplier: 1

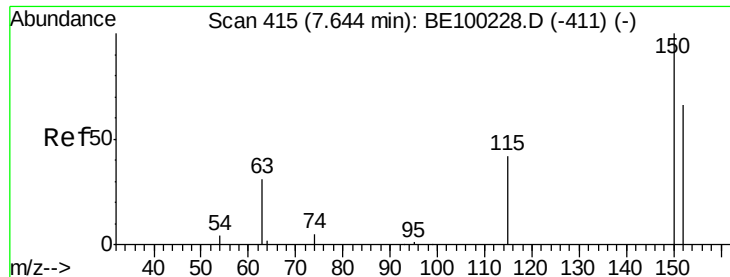
Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Manual Integrations
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7/3/2019 9:48:07 AM

Quant Time: Jul 02 03:47:56 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





#1

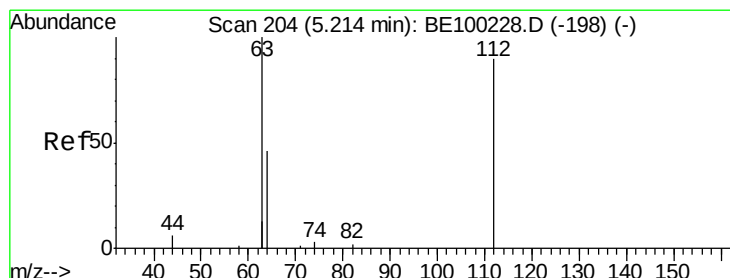
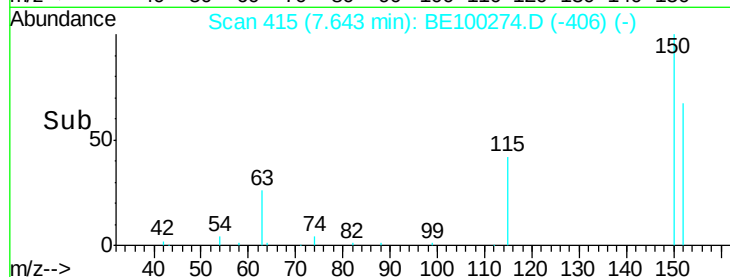
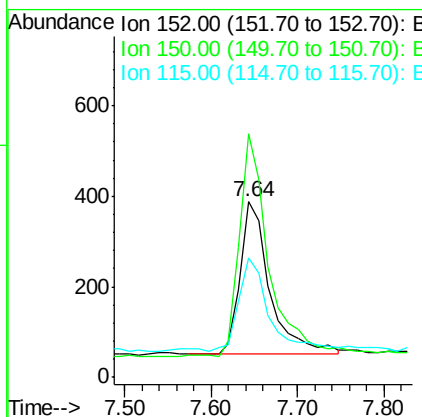
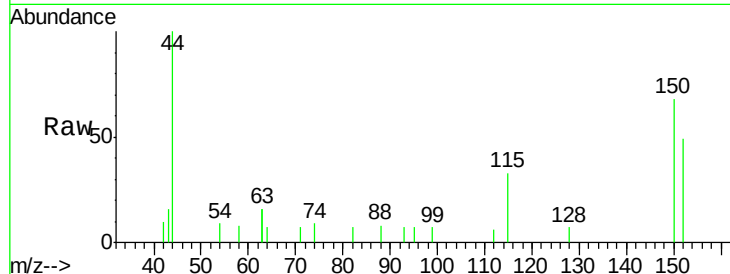
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.0	114.5	171.7
115	68.2	57.1	85.7

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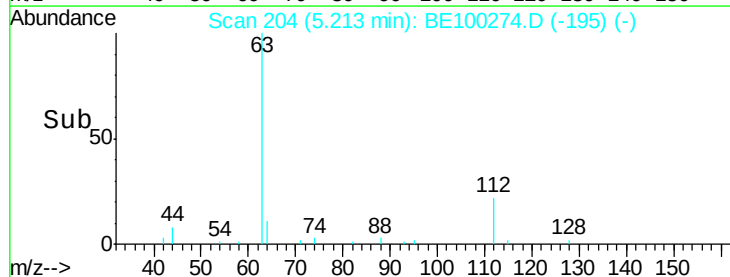
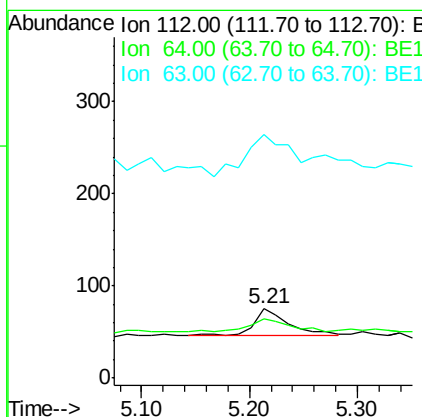
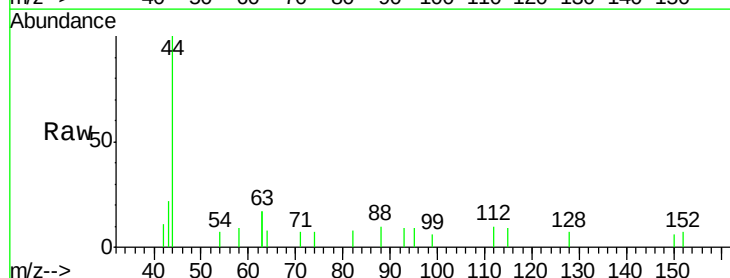
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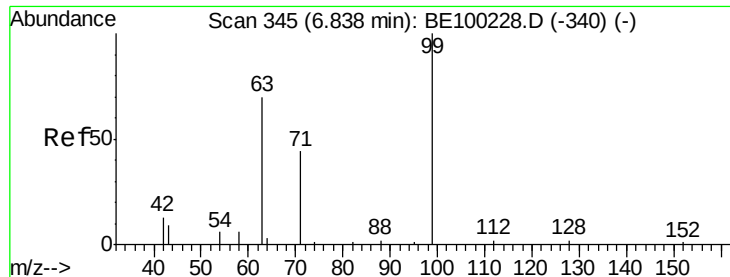


#4

2-Fluorophenol
Concen: 0.031 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	39.4	59.0#
63	228.1	104.5	156.7#





#5

Phenol-d6

Concen: 0.033 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_E

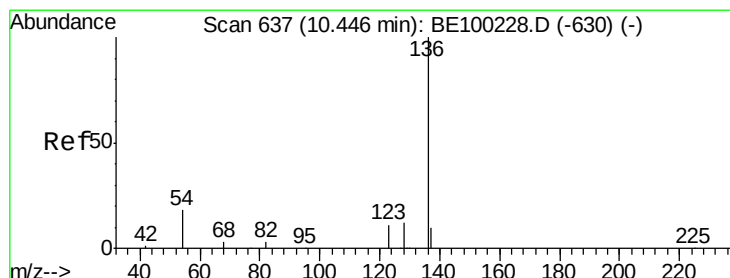
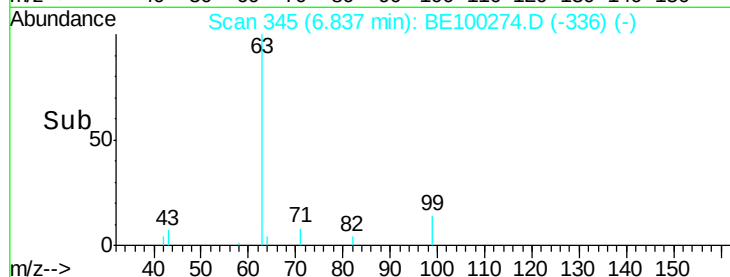
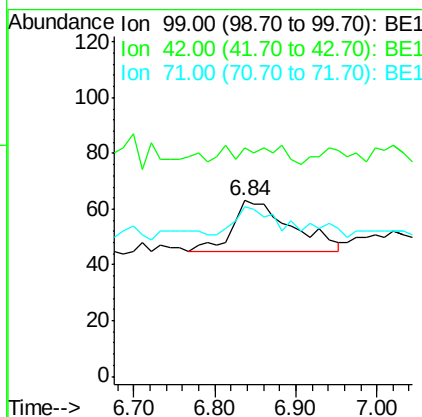
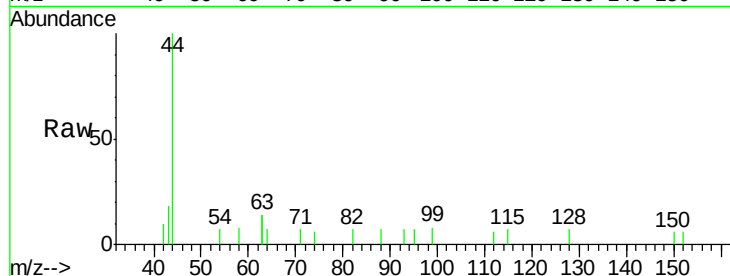
ClientSampleId :

EXT-013-SW164-061319DL

Tot Ion:	99	Resp:	91
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	35.2	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

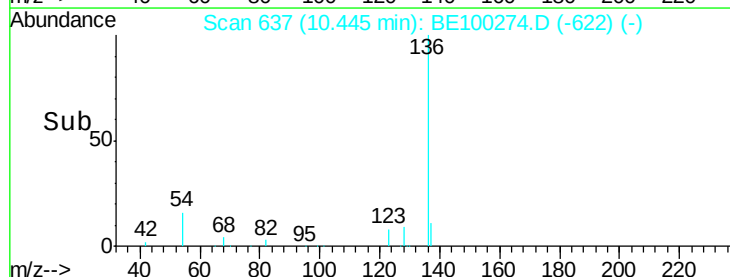
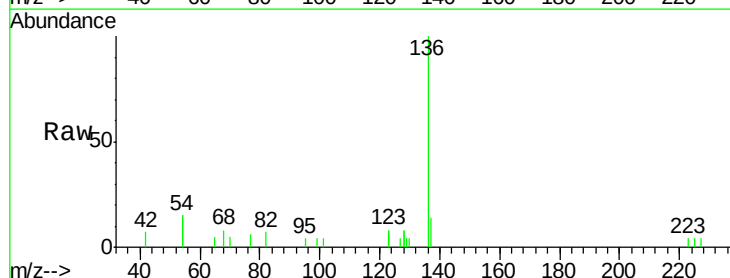
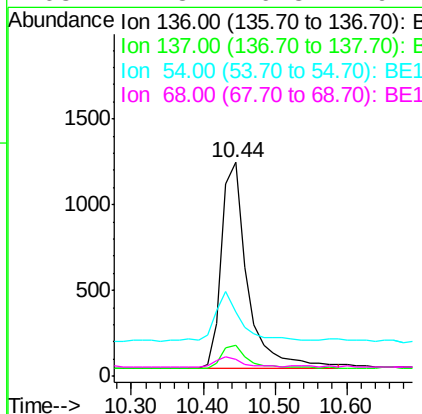
RT: 10.44 min Scan# 637

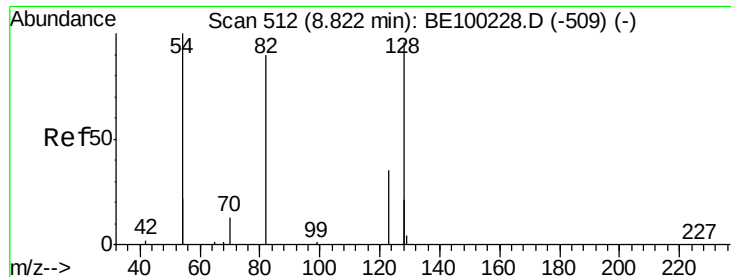
Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Tgt Ion:	136	Resp:	3020
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.8	17.8
54	30.0	27.7	41.5
68	7.8	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.031 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.03 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_E

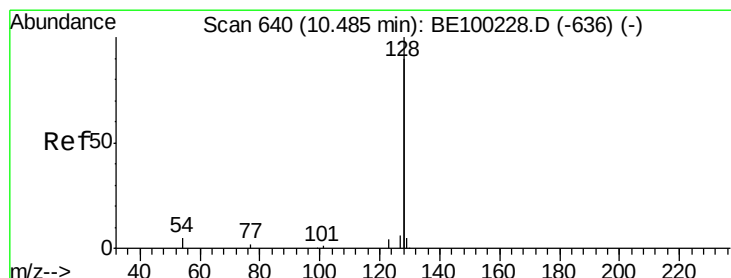
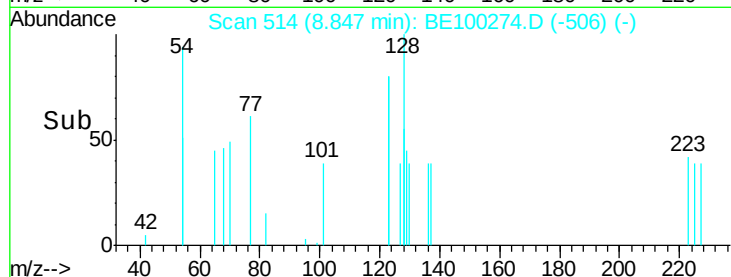
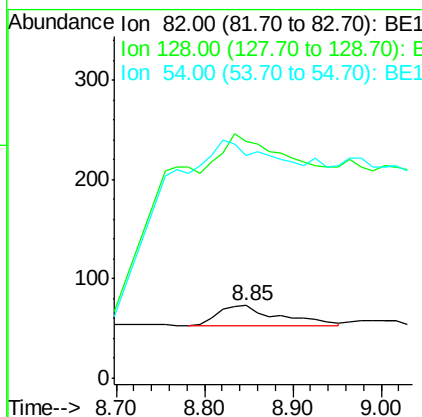
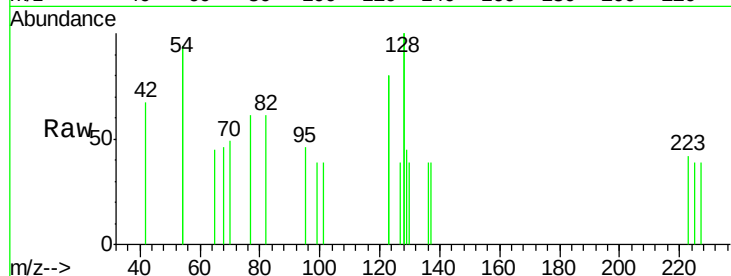
ClientSampleId :

EXT-013-SW164-061319DL

Tot Ion:	82	Resp:	93
Ion	Ratio	Lower	Upper
82	100		
128	326.0	140.9	211.3#
54	306.8	146.2	219.2#

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#9

Naphthalene

Concen: 0.070 ng

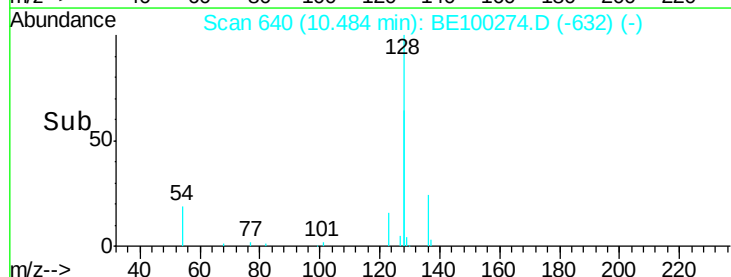
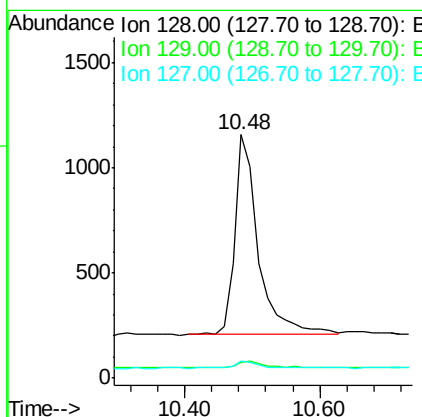
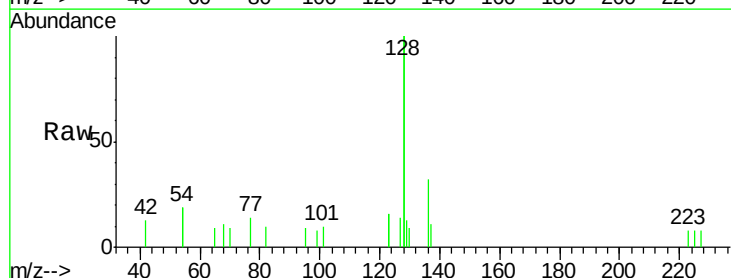
RT: 10.48 min Scan# 640

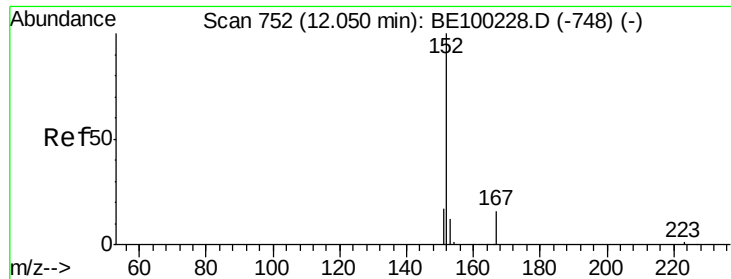
Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Tgt Ion:	128	Resp:	2324
Ion	Ratio	Lower	Upper
128	100		
129	6.6	3.0	4.6#
127	6.9	3.5	5.3#





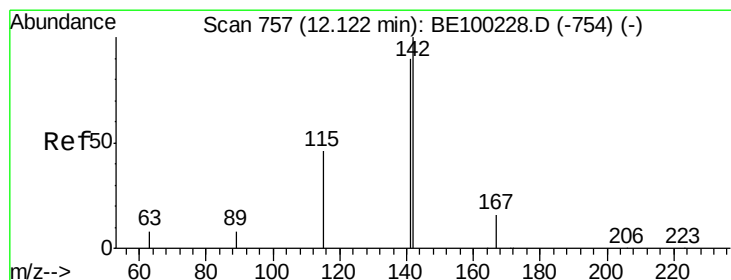
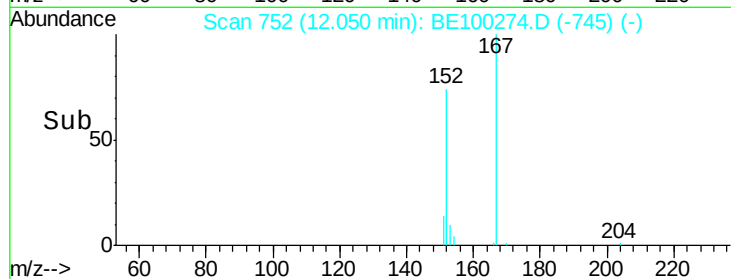
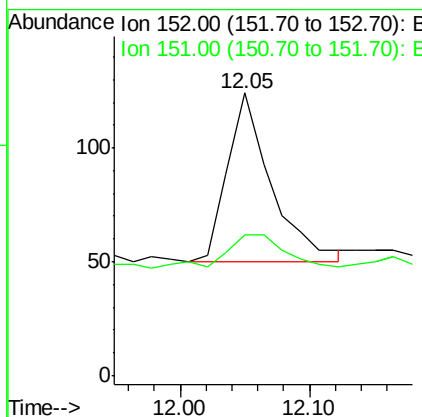
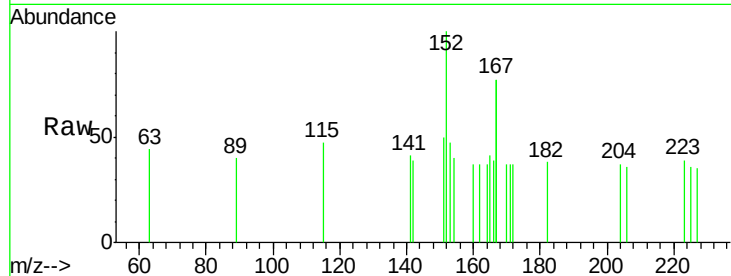
#11
2-Methylnaphthalene-d10
Concen: 0.031 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion:152 Resp: 174
Ion Ratio Lower Upper
152 100
151 28.7 15.1 22.7#

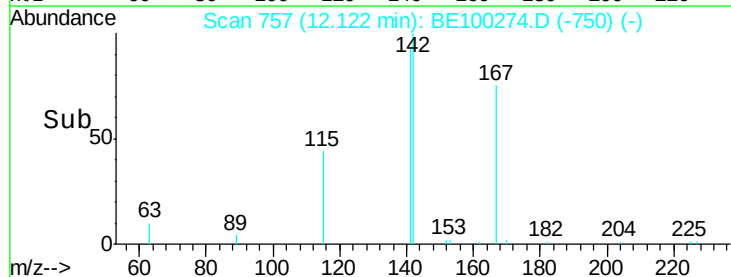
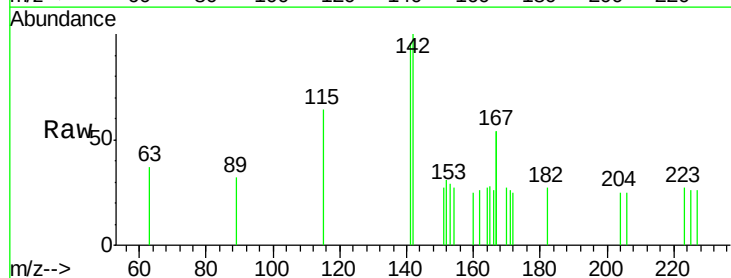
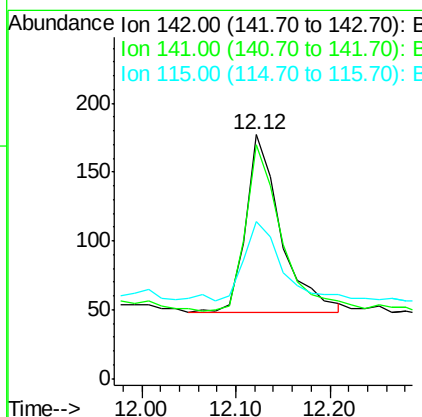
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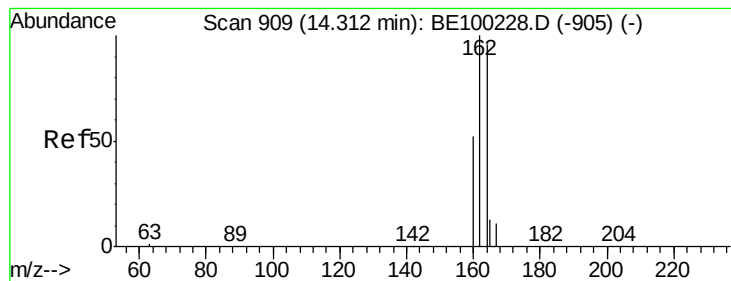
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#12
2-Methylnaphthalene
Concen: 0.058 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion:142 Resp: 337
Ion Ratio Lower Upper
142 100
141 96.0 72.4 108.6
115 64.4 40.4 60.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_E

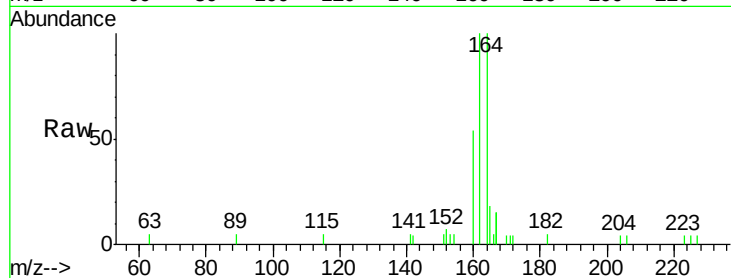
ClientSampleId :

EXT-013-SW164-061319DL

Tot Ion:	164	Resp:	2387
Ion	Ratio	Lower	Upper
164	100		
162	99.7	83.4	125.0
160	53.6	45.0	67.6

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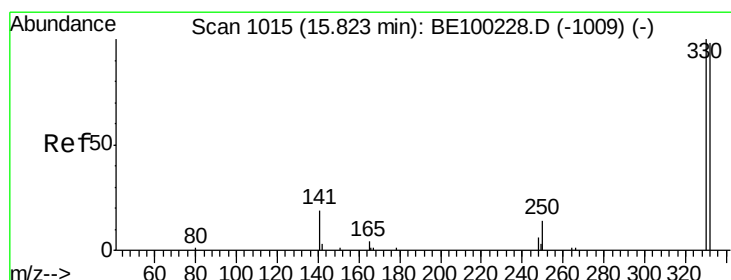
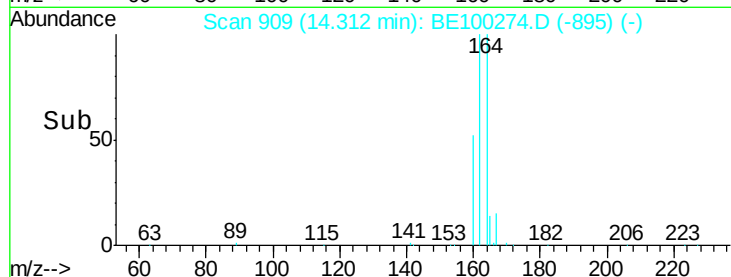
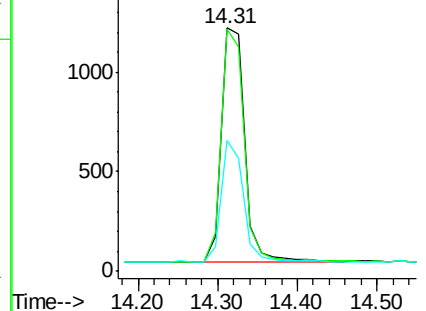
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.028 ng

RT: 15.82 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BE100274.D

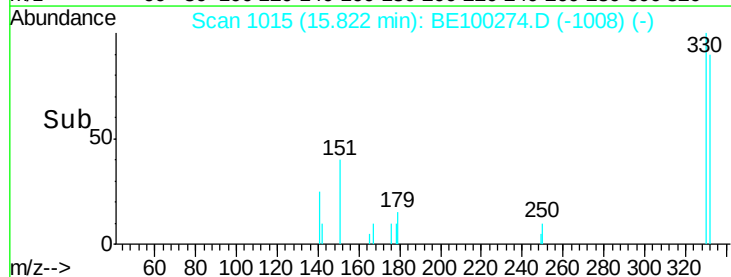
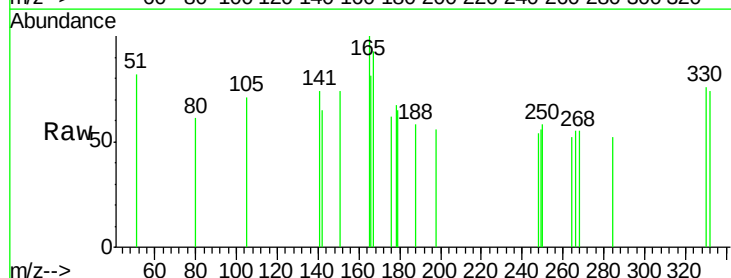
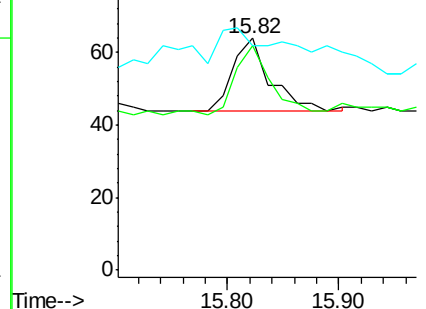
Acq: 1 Jul 2019 20:19

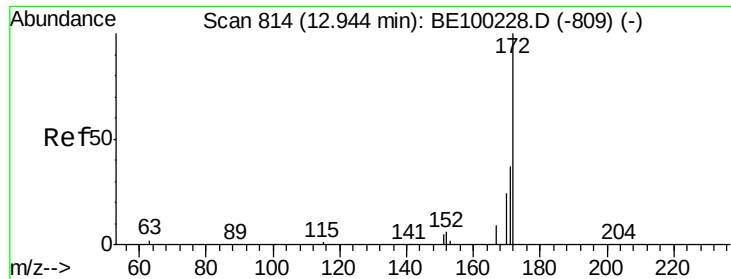
Tgt Ion:	330	Resp:	47
Ion	Ratio	Lower	Upper
330	100		
332	74.5	77.0	115.4#
141	146.8	22.0	33.0#

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





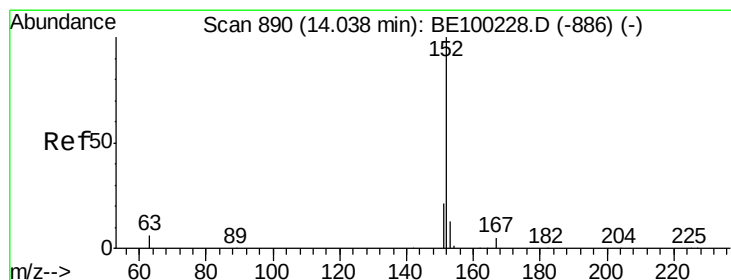
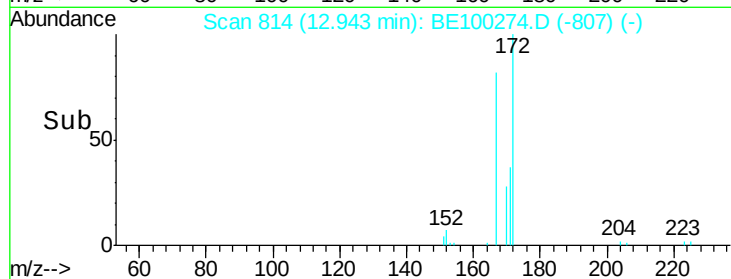
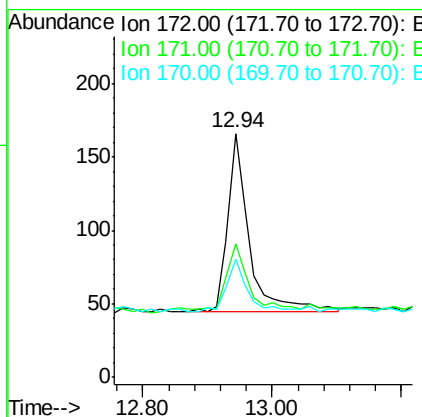
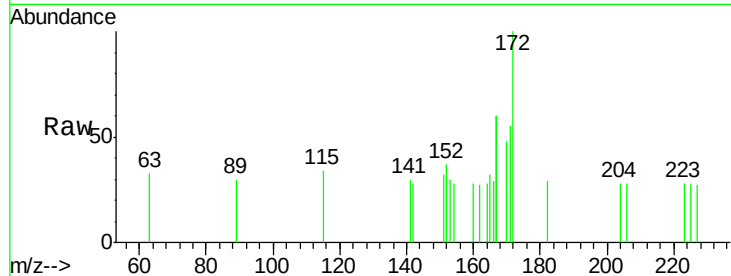
#15
2-Fluorobiphenyl
Concen: 0.029 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	54.8	31.9	47.9#
170	48.2	22.2	33.2#

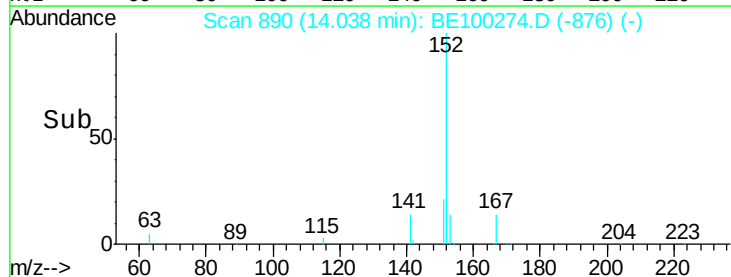
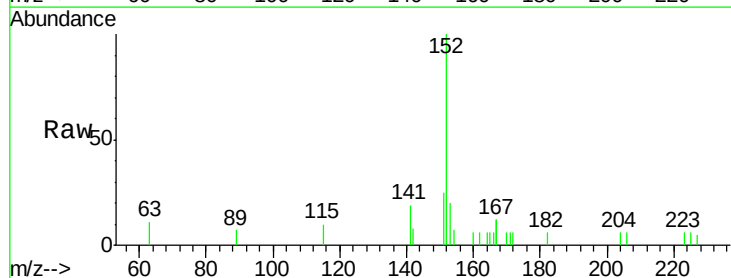
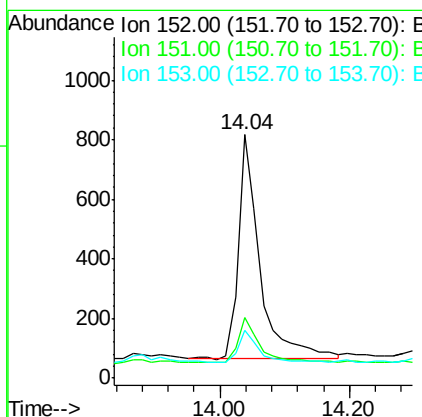
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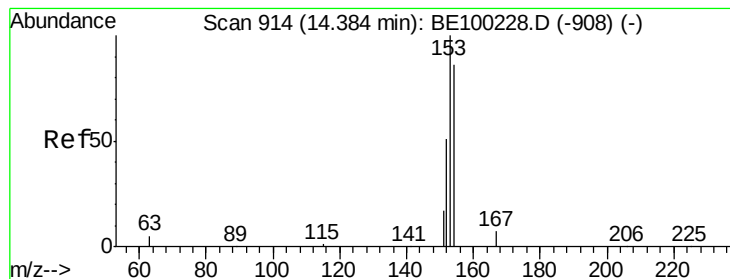
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#16
Acenaphthylene
Concen: 0.150 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	12.8	10.5	15.7





#17

Acenaphthene

Concen: 0.077 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_E

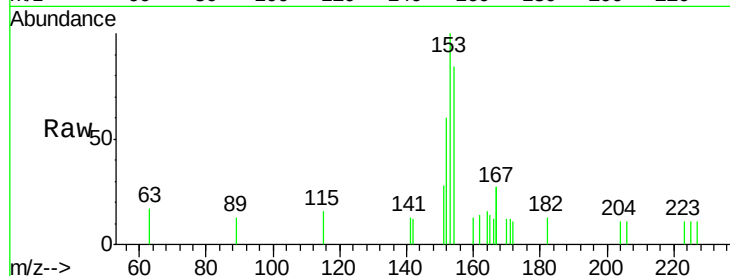
ClientSampleId :

EXT-013-SW164-061319DL

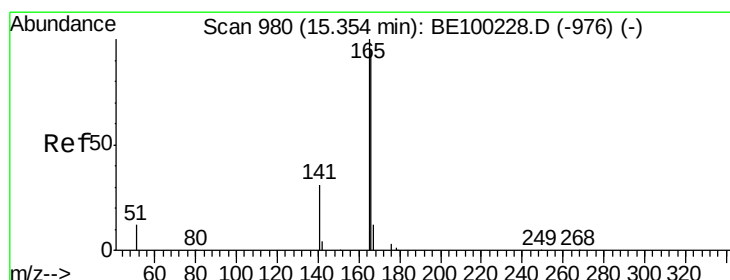
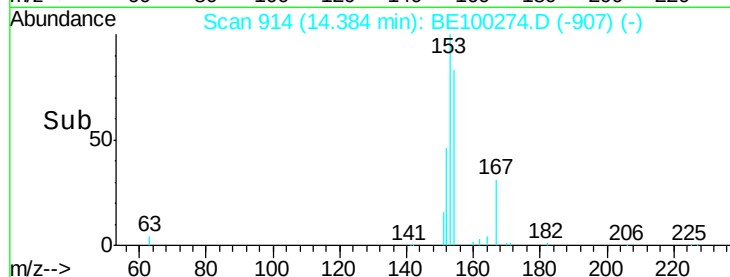
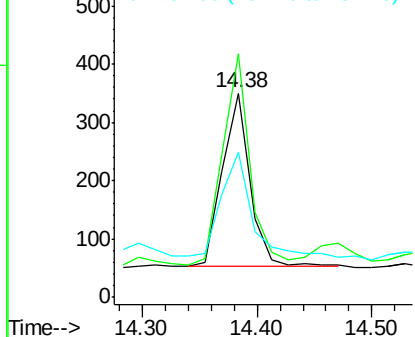
Tot Ion:	154	Resp:	501
Ion	Ratio	Lower	Upper
154	100		
153	117.6	93.4	140.2
152	66.3	49.4	74.2

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: 0.123 ng

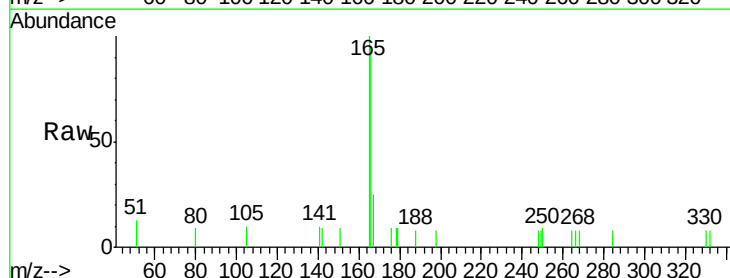
RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

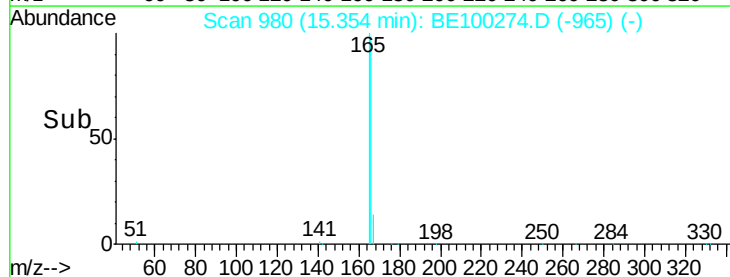
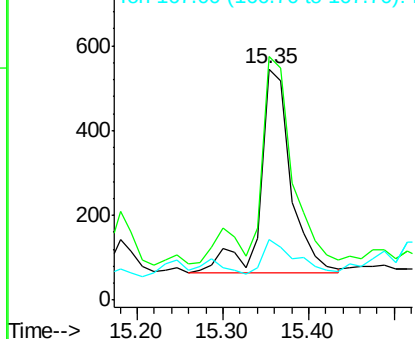
Lab File: BE100274.D

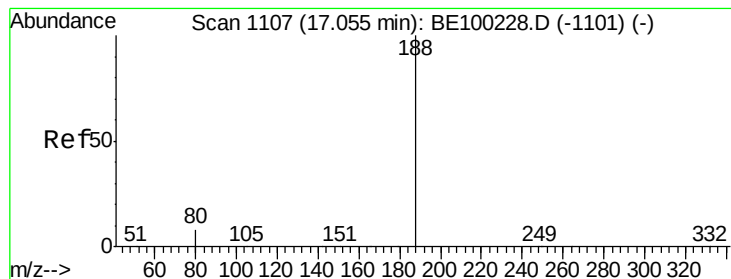
Acq: 1 Jul 2019 20:19

Tgt Ion:	166	Resp:	1176
Ion	Ratio	Lower	Upper
166	100		
165	95.0	81.1	121.7
167	18.8	10.7	16.1#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_E

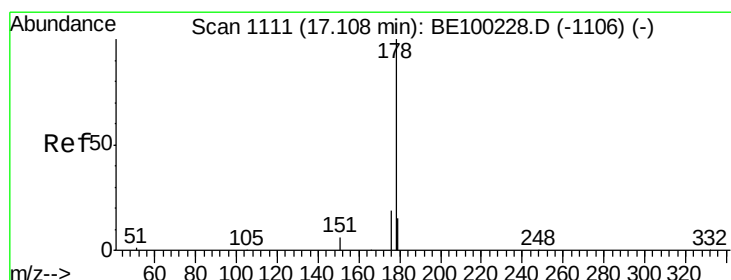
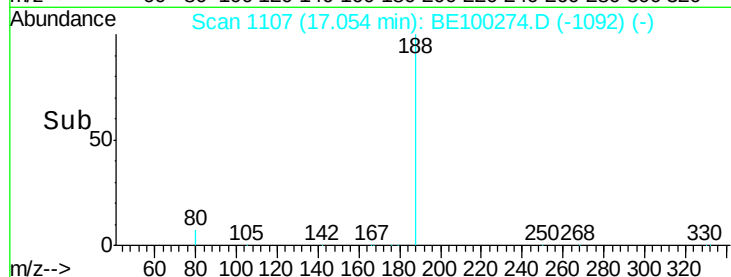
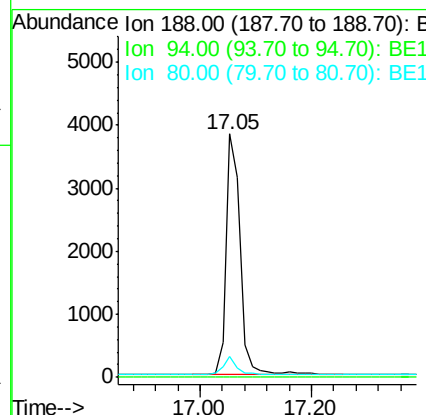
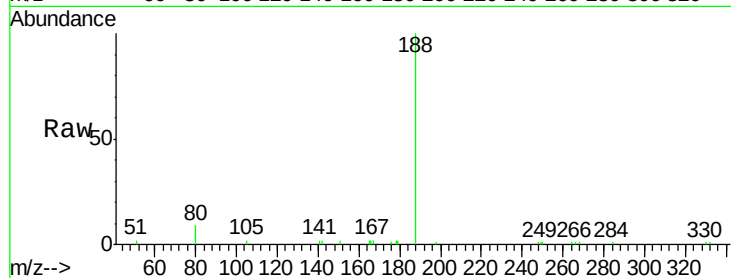
ClientSampleId :

EXT-013-SW164-061319DL

Tot Ion:	188	Resp:	6699
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.7	7.6	11.4

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#23

Phenanthrene

Concen: 1.732 ng

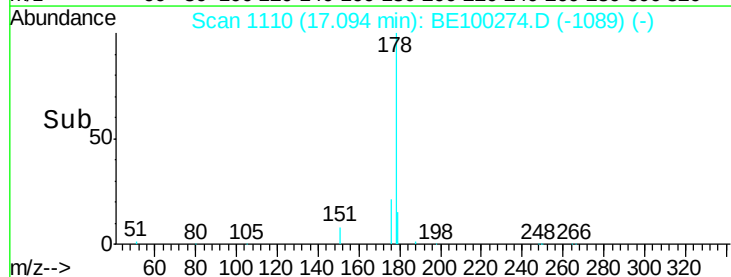
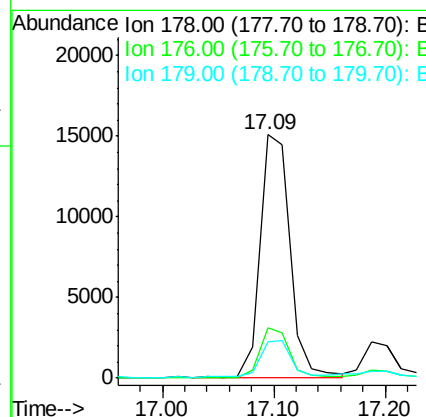
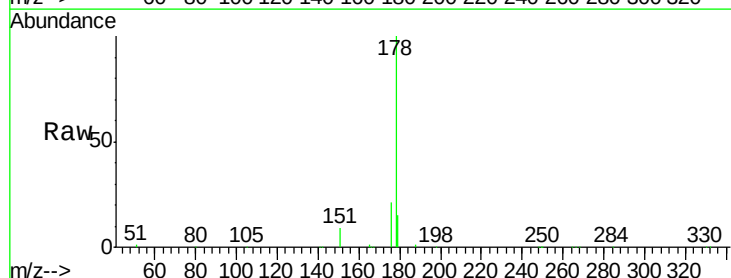
RT: 17.09 min Scan# 1110

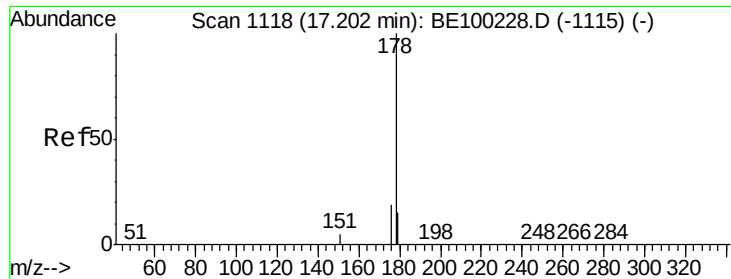
Delta R.T. -0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Tgt Ion:	178	Resp:	28126
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.5	12.2	18.2





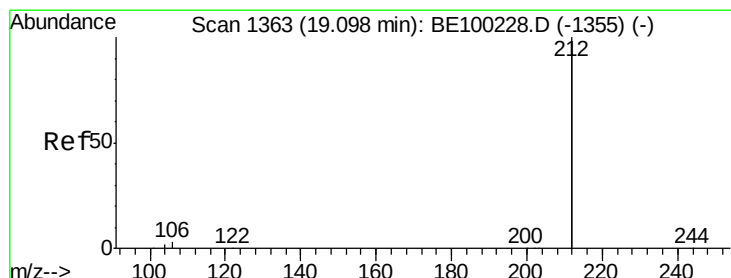
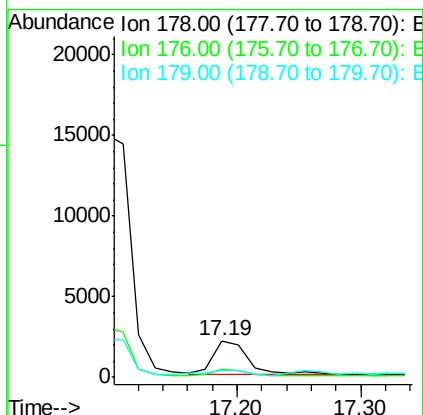
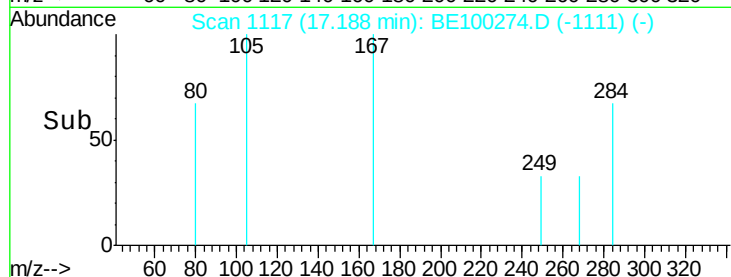
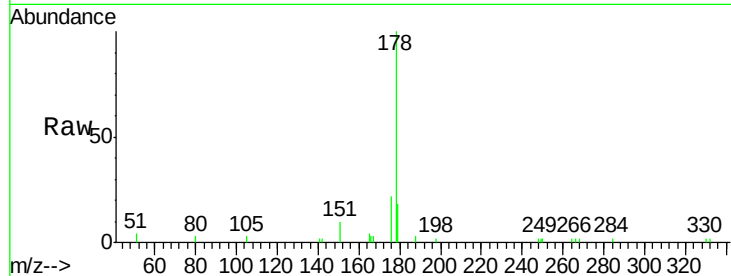
#24
 Anthracene
 Concen: 0.280 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100274.D
 Acq: 1 Jul 2019 20:19

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	14.8	12.2	18.2

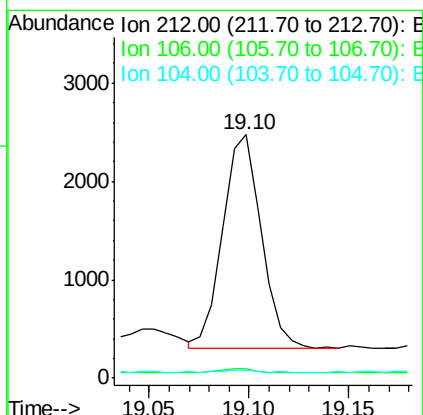
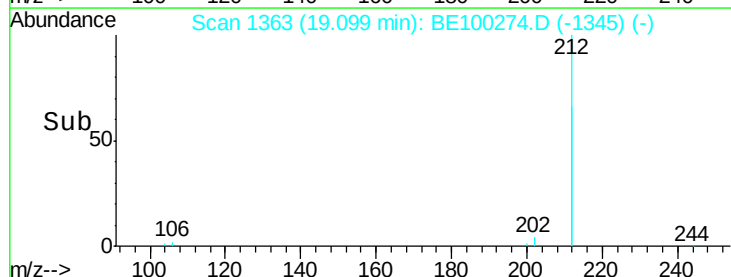
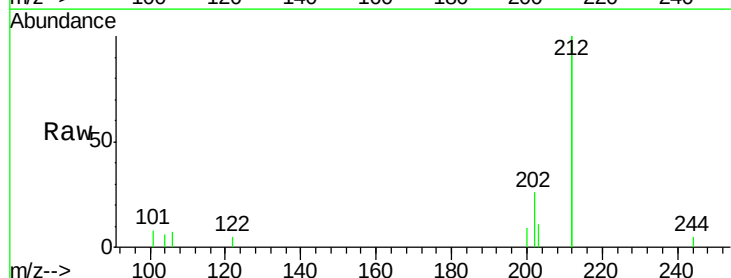
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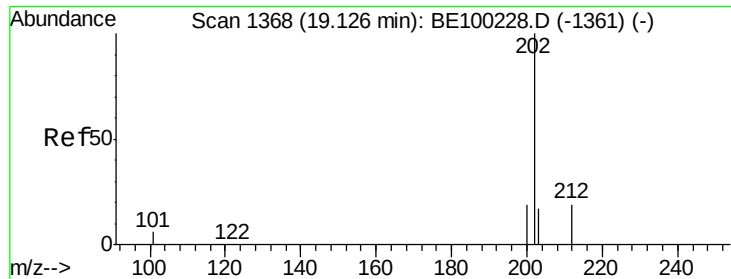
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#25
 Fluoranthene-d10
 Concen: 0.030 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100274.D
 Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.2	0.8	1.2#





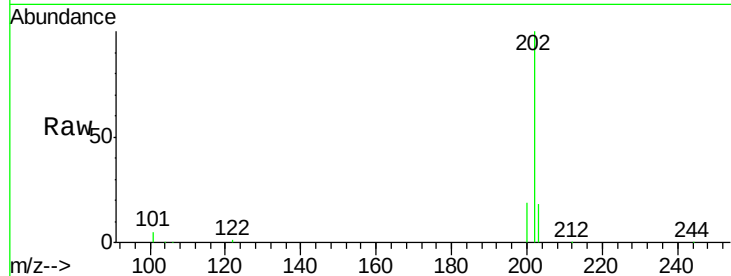
#26
Fluoranthene
Concen: 2.478 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

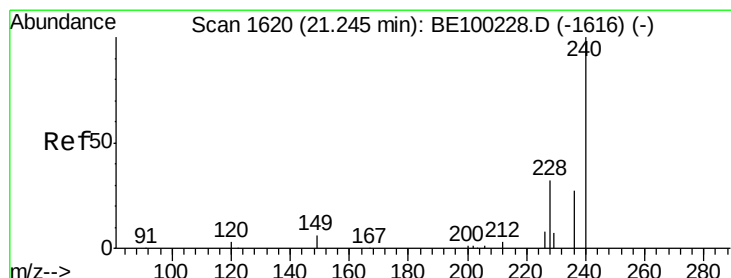
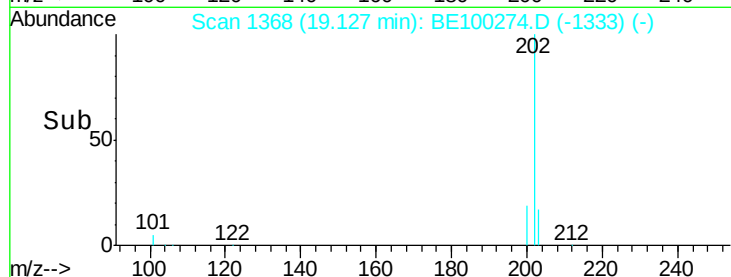
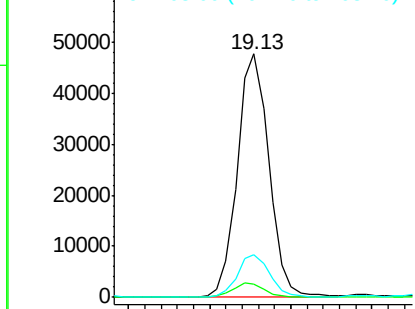
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.6	13.7	20.5

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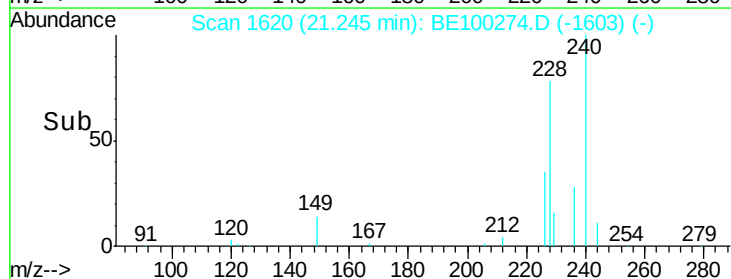
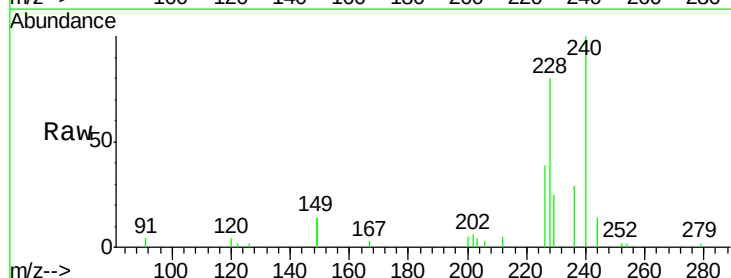
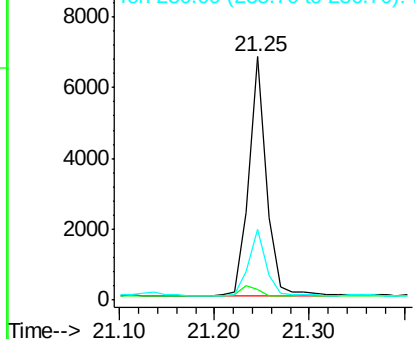
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

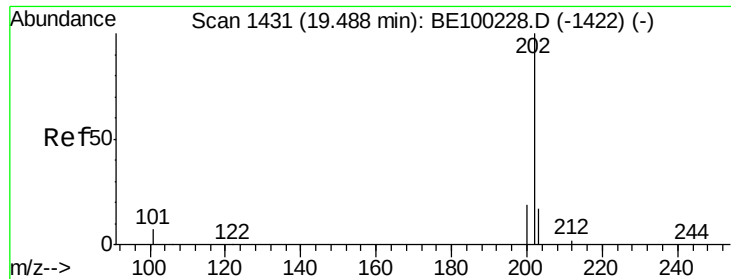


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	3.3	4.9
236	29.0	22.6	34.0

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





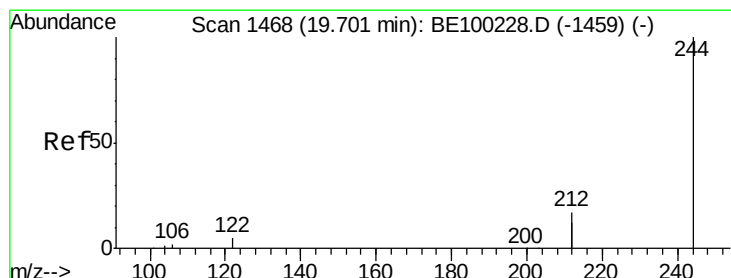
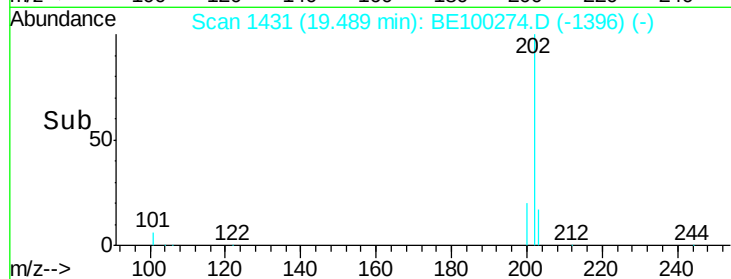
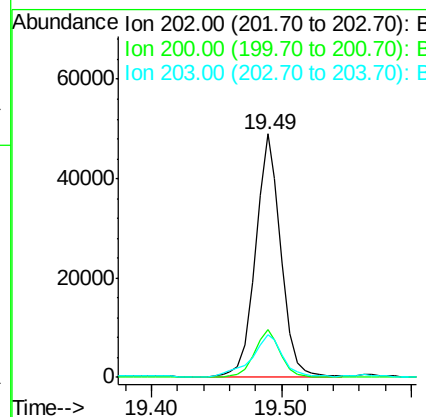
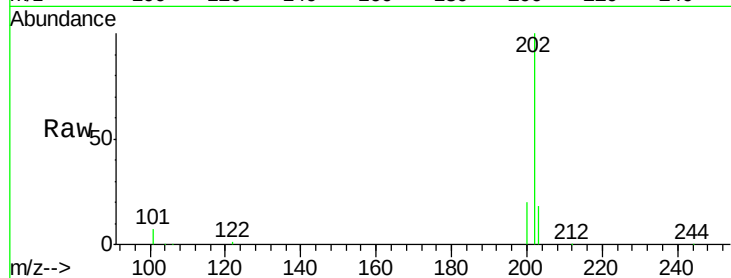
#28
 Pvrene
 Concen: 2.872 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100274.D
 Acq: 1 Jul 2019 20:19

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.9	14.0	21.0

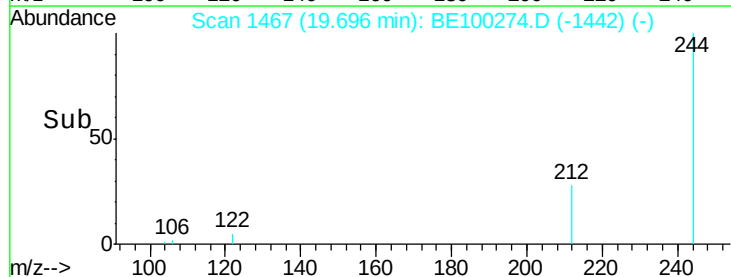
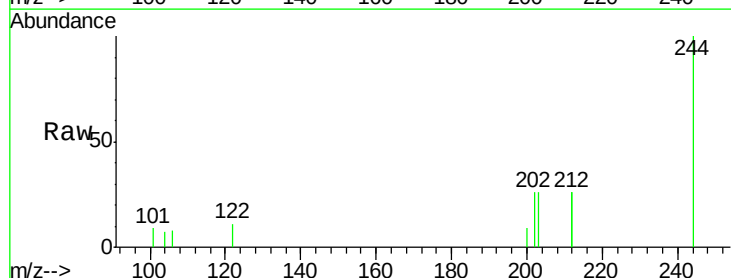
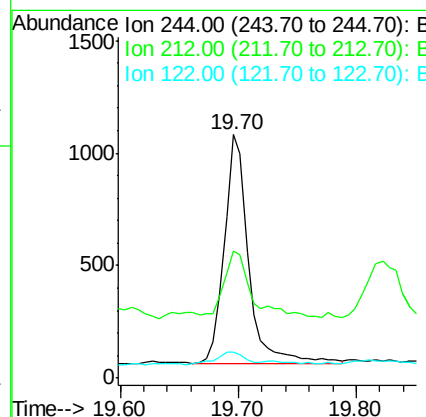
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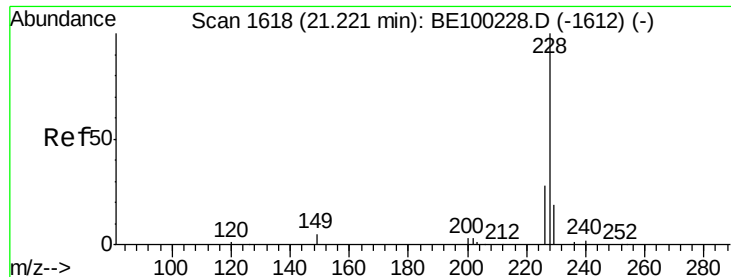
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#29
 Terphenyl-d14
 Concen: 0.080 ng
 RT: 19.70 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE100274.D
 Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	52.5	27.3	40.9#
122	10.8	4.7	7.1#





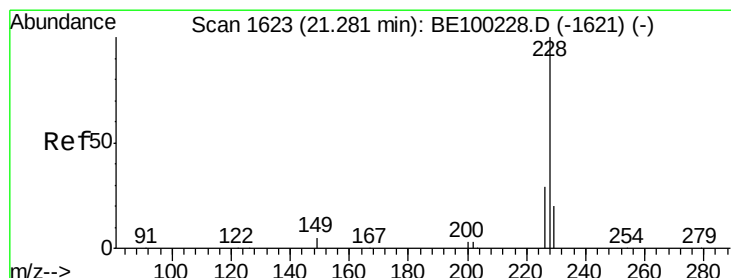
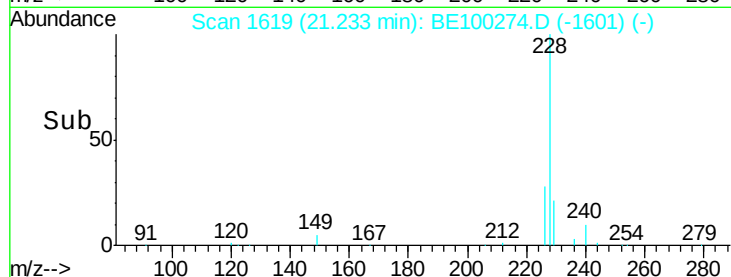
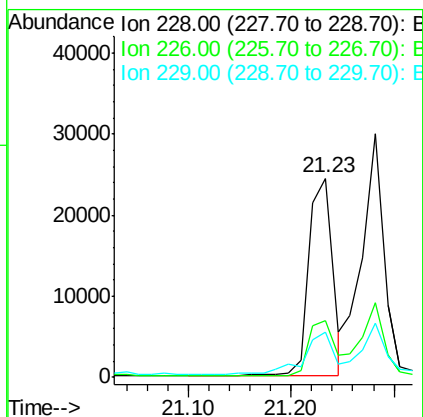
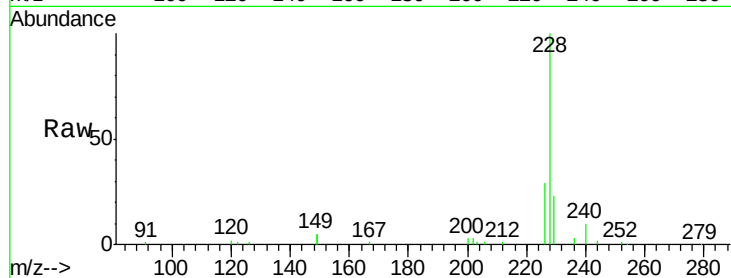
#30
Benzo(a)anthracene
Concen: 1.370 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.2	34.8
229	22.6	15.7	23.5

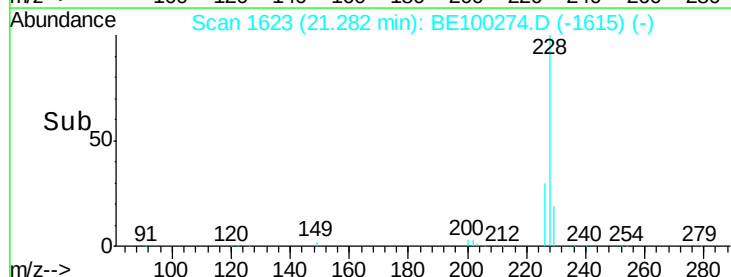
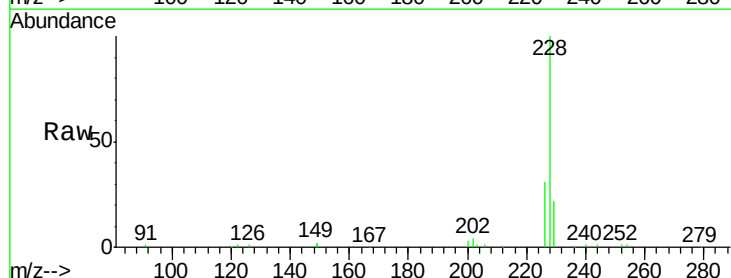
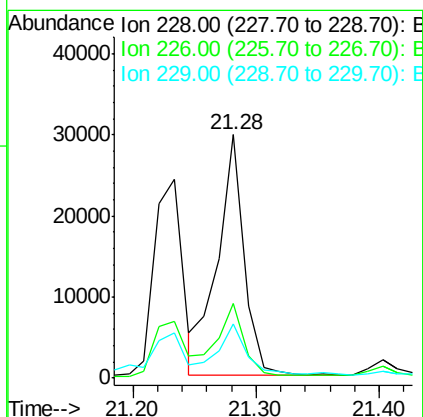
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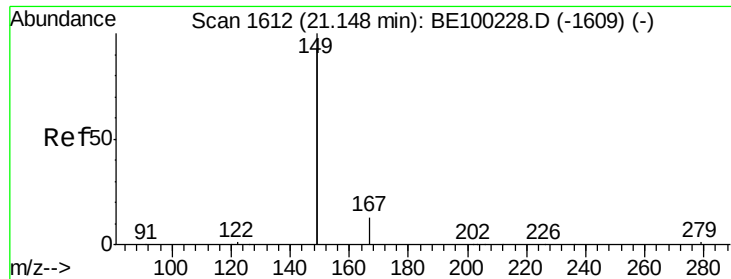
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#31
Chrysene
Concen: 1.550 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	22.2	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.558 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_E

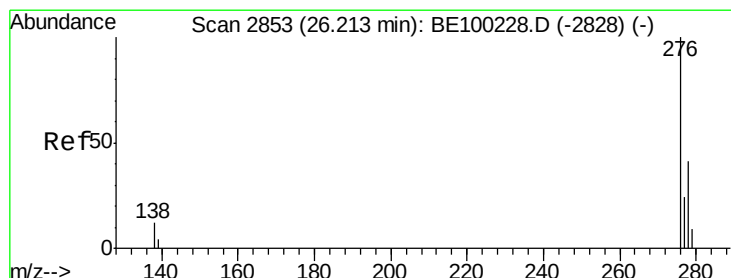
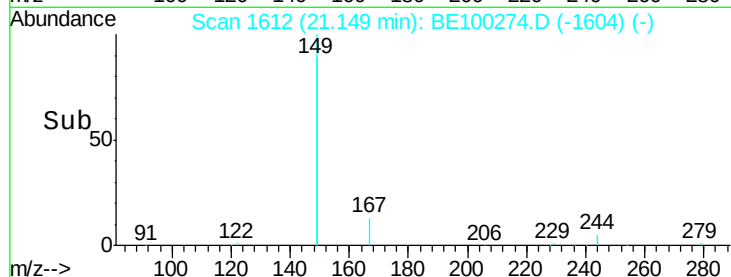
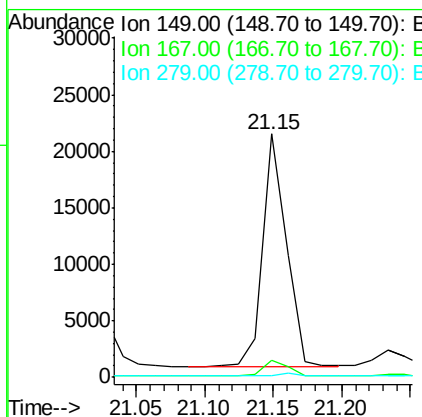
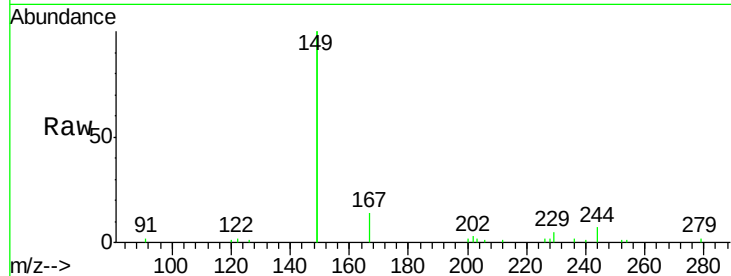
ClientSampleId :

EXT-013-SW164-061319DL

Tot Ion:	149	Resp:	24808
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.4	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.732 ng

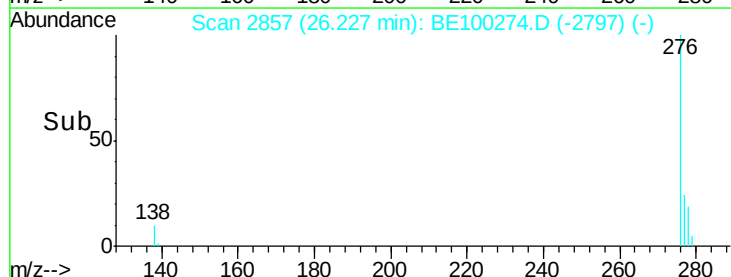
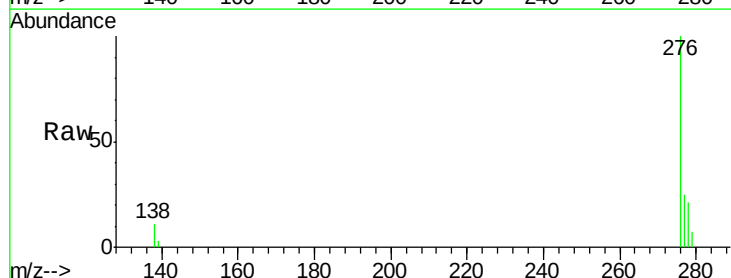
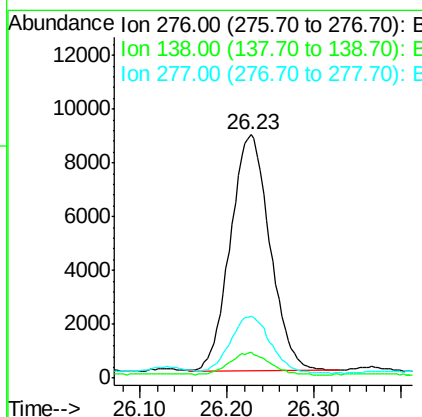
RT: 26.23 min Scan# 2857

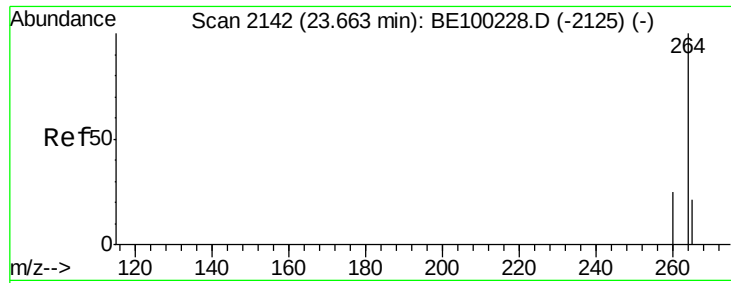
Delta R.T. 0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Tgt Ion:	276	Resp:	27705
Ion Ratio	Lower	Upper	
276	100		
138	9.5	9.4	14.0
277	24.7	19.2	28.8





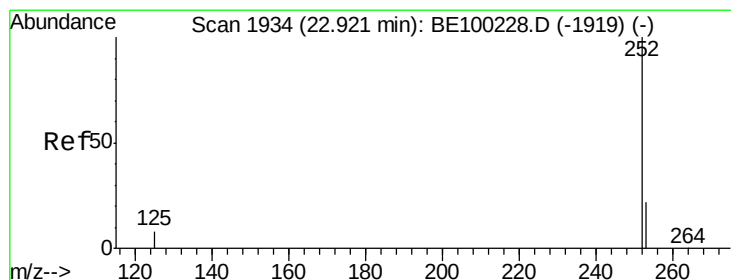
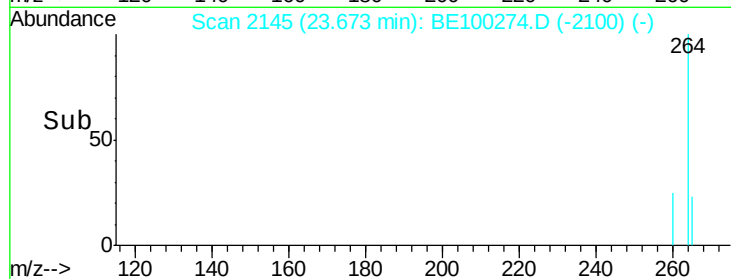
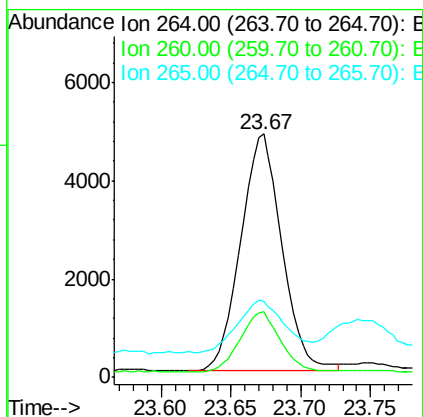
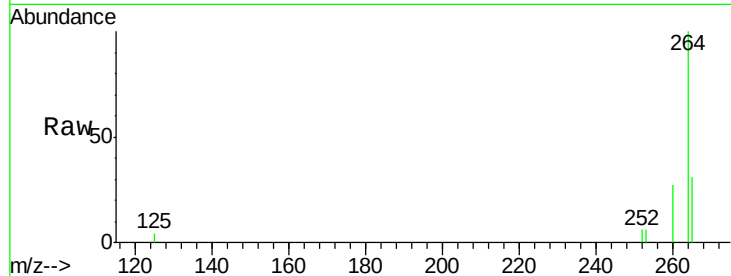
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.8	31.2
265	31.0	21.8	32.6

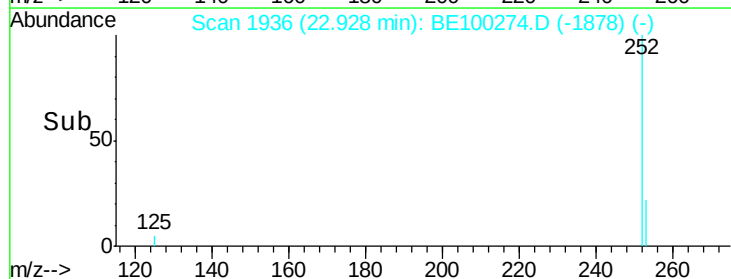
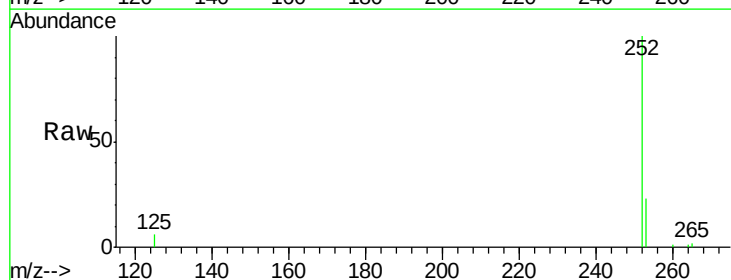
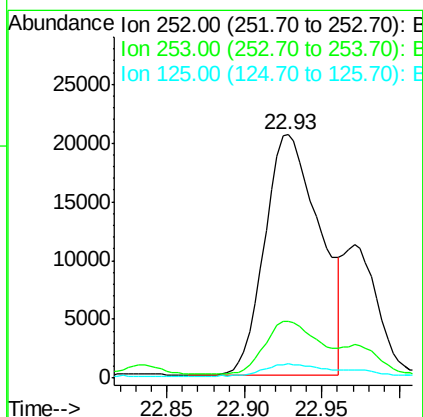
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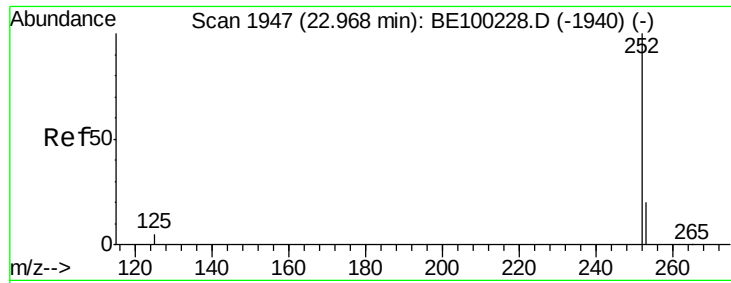
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#35
Benzo(b)fluoranthene
Concen: 1.877 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	5.9	7.4	11.0





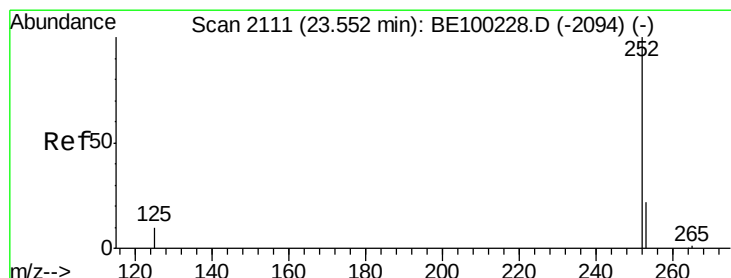
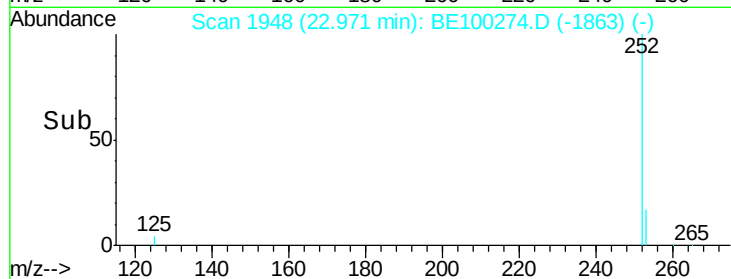
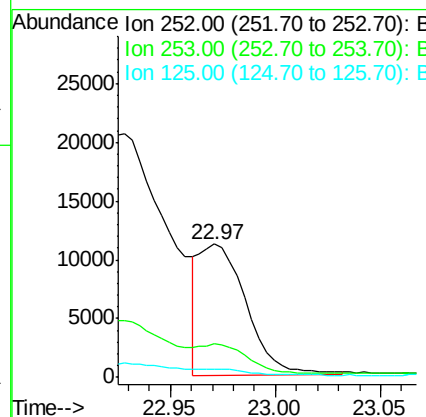
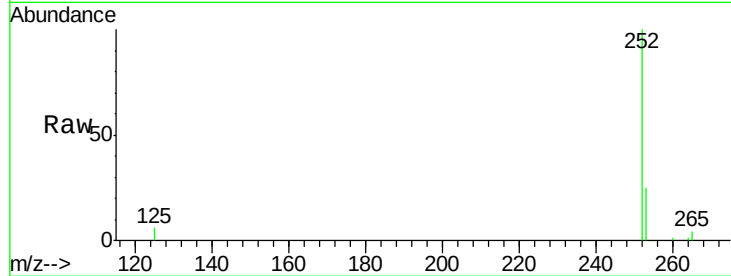
#36
Benzo(k)fluoranthene
Concen: 0.582 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion:252 Resp: 17467
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 6.1 5.0 7.4

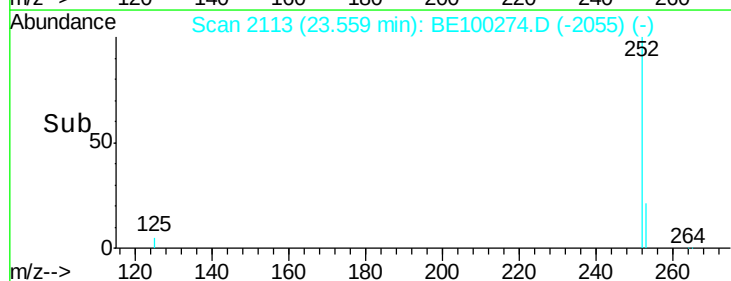
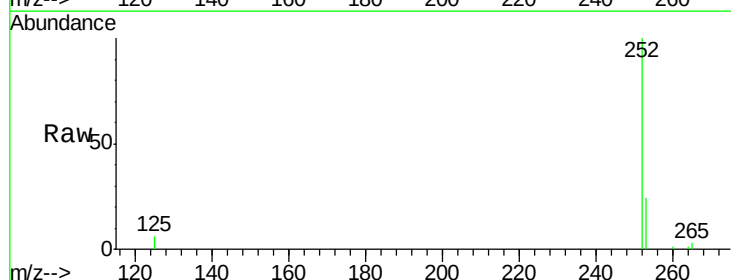
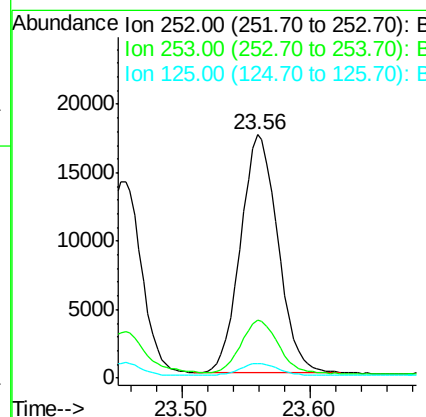
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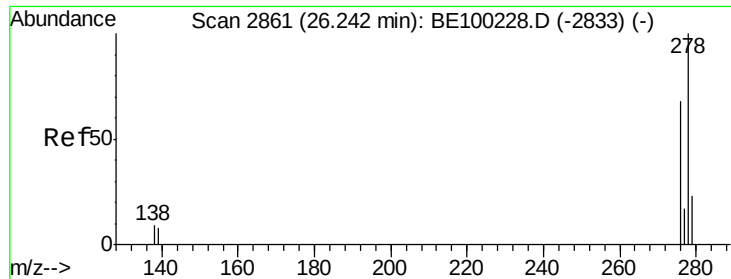
mohammad
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#37
Benzo(a)pyrene
Concen: 1.311 ng m
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion:252 Resp: 35323
Ion Ratio Lower Upper
252 100
253 23.9 19.6 29.4
125 6.1 9.0 13.6#





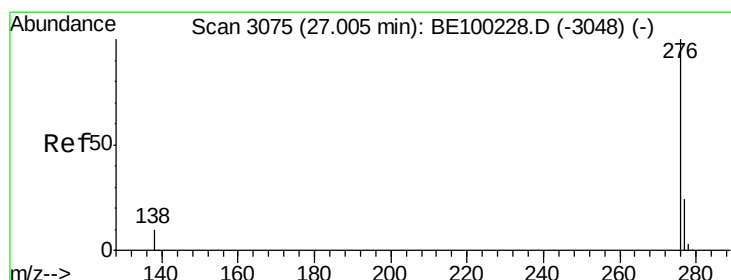
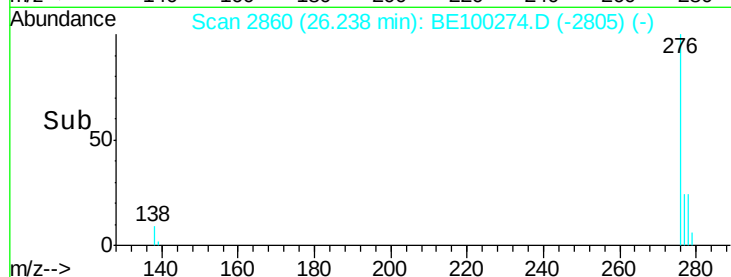
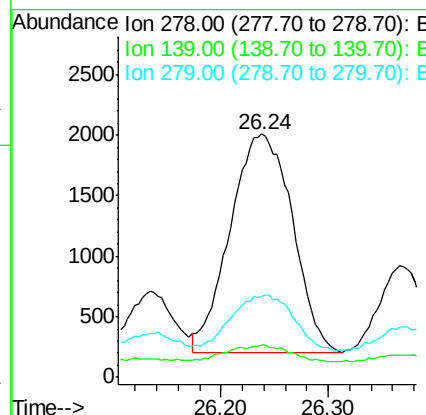
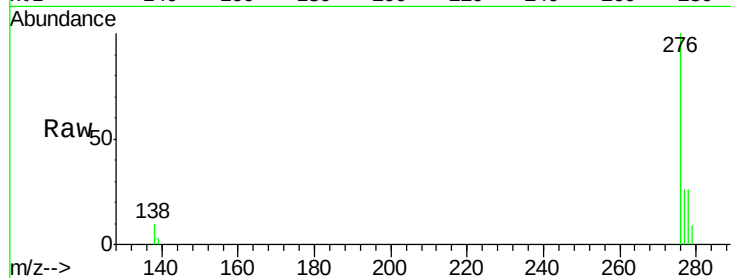
#38
Dibenzo(a,h)anthracene
Concen: 0.257 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.1	8.2	12.2#
279	33.5	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:07 AM



#39
Benzo(g,h,i)perylene
Concen: 1.008 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.2	30.2
138	10.3	9.0	13.6

