

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100143.D
 Acq On : 21 Jun 2019 19:18
 Operator : JU/SJ
 Sample : K3428-14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW056-061319

Manual Integrations
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mohammad
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Quant Time: Jun 22 03:09:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	538	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	2024	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1980	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6653	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	8380	0.40	ng	0.00
34) Perylene-d12	23.83	264	9880	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	452	0.40	ng	0.00
5) Phenol-d6	6.91	99	680	0.44	ng	-0.02
8) Nitrobenzene-d5	8.93	82	601	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	12.15	152	98	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	366	0.33	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2212	0.28	ng	-0.01
25) Fluoranthene-d10	19.19	212	1998	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	5080	0.30	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.59	128	488	0.022	ng	# 70
12) 2-Methylnaphthalene	12.22	142	101	0.028	ng	# 81
16) Acenaphthylene	14.13	152	636	0.068	ng	99
17) Acenaphthene	14.47	154	117	0.022	ng	92
18) Fluorene	15.45	166	275	0.035	ng	# 91
22) Pentachlorophenol	16.81	266	55	0.281	ng	94
23) Phenanthrene	17.19	178	7599	0.477	ng	99
24) Anthracene	17.29	178	1193	0.089	ng	# 97
26) Fluoranthene	19.22	202	15109	0.590	ng	100
28) Pvrene	19.58	202	14661	0.681	ng	96
30) Benzo(a)anthracene	21.32	228	9655	0.387	ng	97
31) Chrysene	21.38	228	9626	0.332	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.25	149	7648	0.325	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	3997	0.123	ng	99
35) Benzo(b)fluoranthene	23.06	252	10065	0.347	ng	# 82
36) Benzo(k)fluoranthene	23.11	252	3059m	0.093	ng	
37) Benzo(a)pvrene	23.72	252	6838	0.244	ng	# 87
38) Dibenzo(a,h)anthracene	26.48	278	1184	0.041	ng	# 42
39) Benzo(g,h,i)perylene	27.27	276	4361	0.146	ng	# 92

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

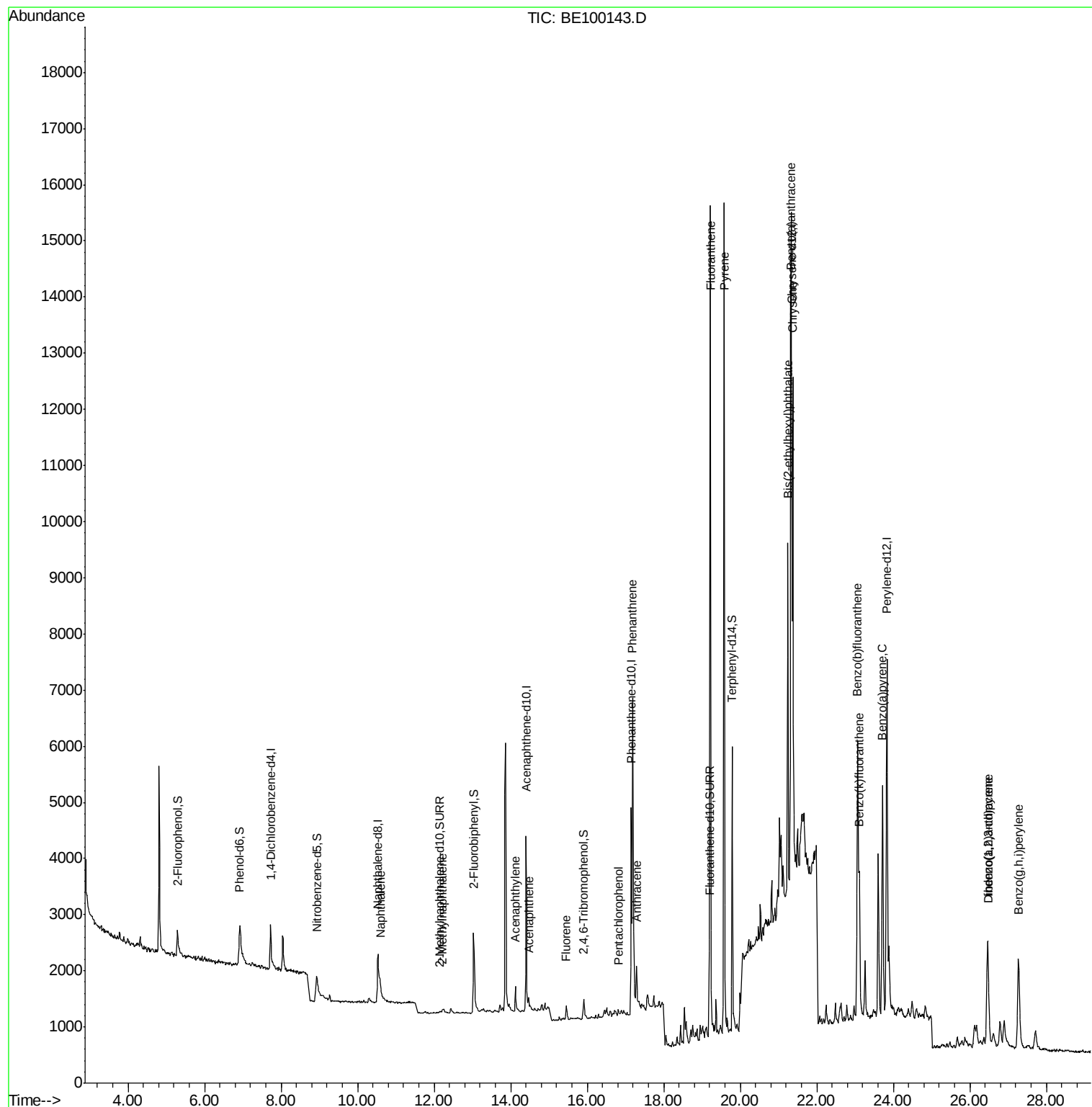
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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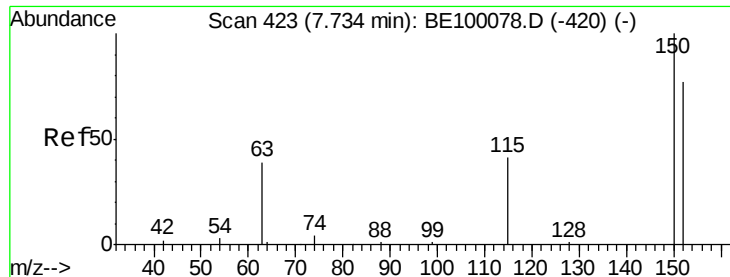
Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

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#1

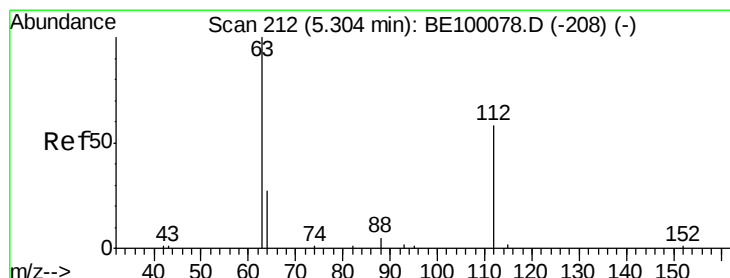
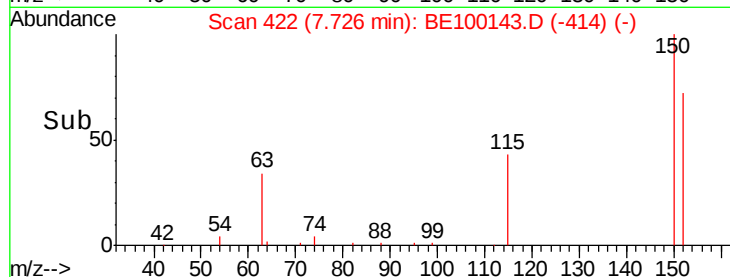
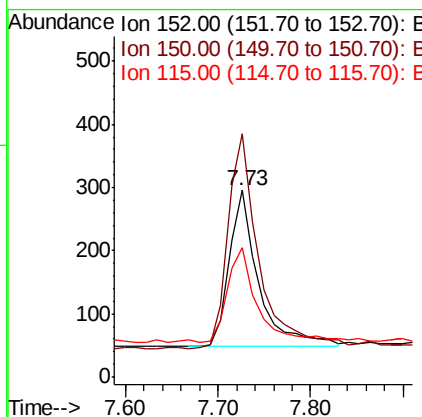
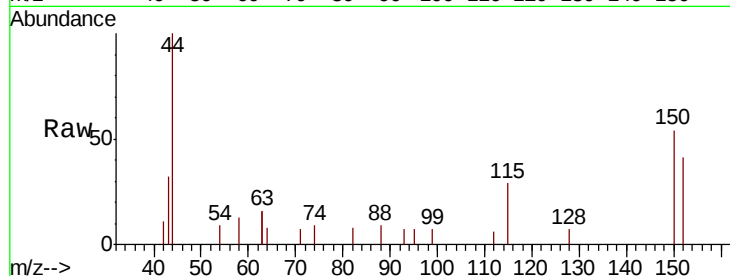
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	130.5	99.8	149.8
115	69.2	51.3	76.9

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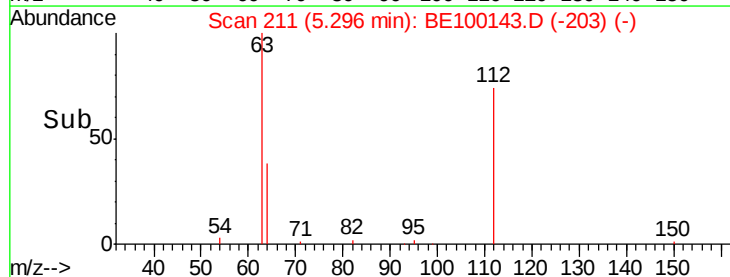
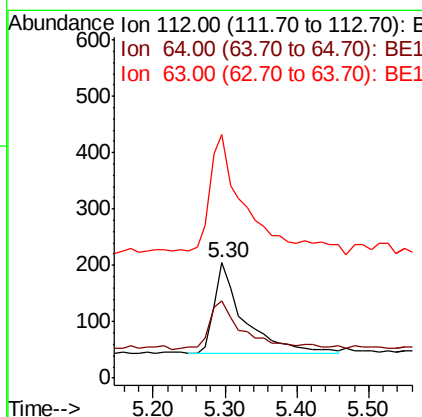
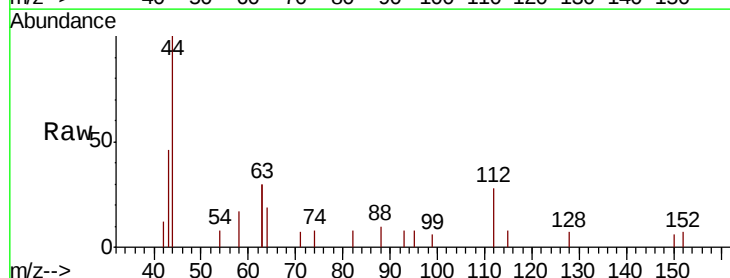
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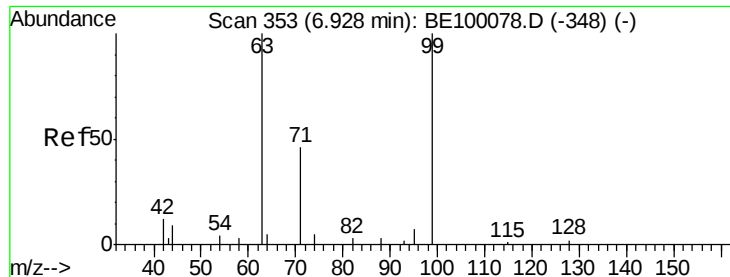


#4

2-Fluorophenol
Concen: 0.405 ng
RT: 5.30 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	22.0	33.0#
63	136.3	121.8	182.6





#5

Phenol-d6

Concen: 0.444 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Instrument :

BNA_E

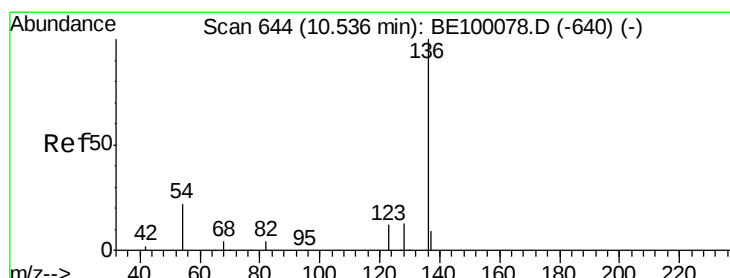
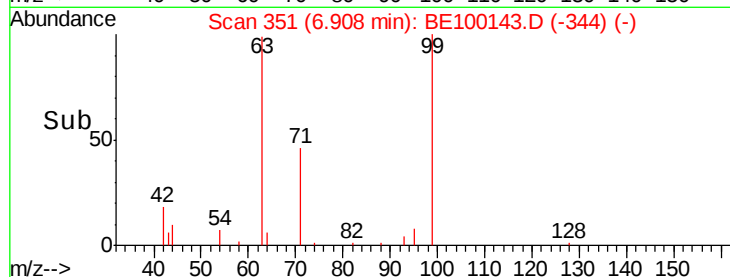
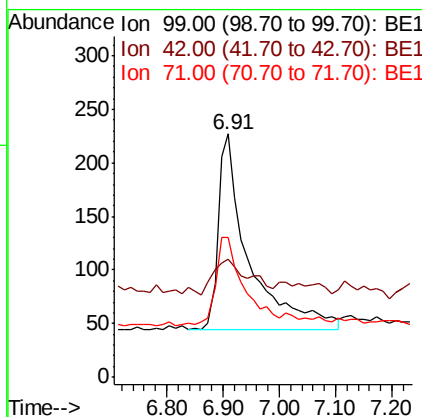
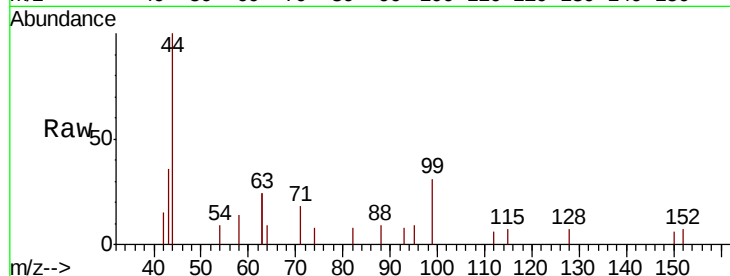
ClientSampleId :

PST-084-SW056-061319

Tot Ion:	99	Resp:	680
Ion	Ratio	Lower	Upper
99	100		
42	20.9	0.0	0.0#
71	40.6	37.6	56.4

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#7

Naphthalene-d8

Concen: 0.400 ng

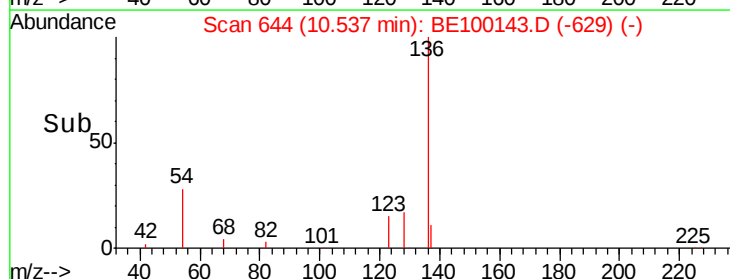
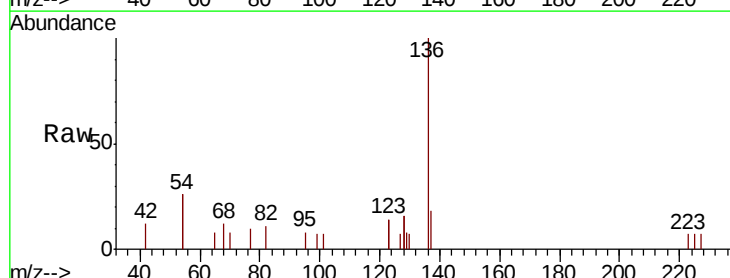
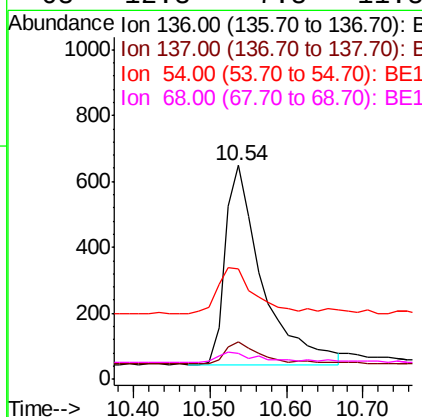
RT: 10.54 min Scan# 644

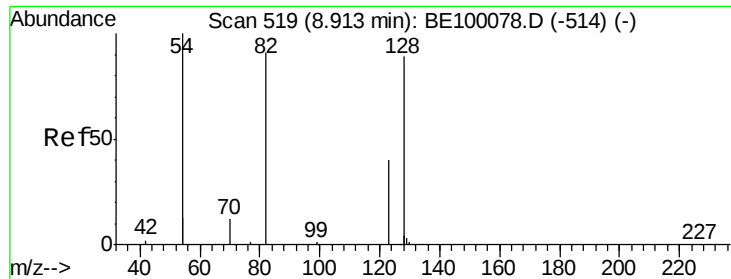
Delta R.T. 0.00 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Tgt Ion:	136	Resp:	2024
Ion	Ratio	Lower	Upper
136	100		
137	17.6	11.6	17.4#
54	51.5	33.9	50.9#
68	12.3	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.306 ng

RT: 8.93 min Scan# 520

Delta R.T. 0.01 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Instrument :

BNA_E

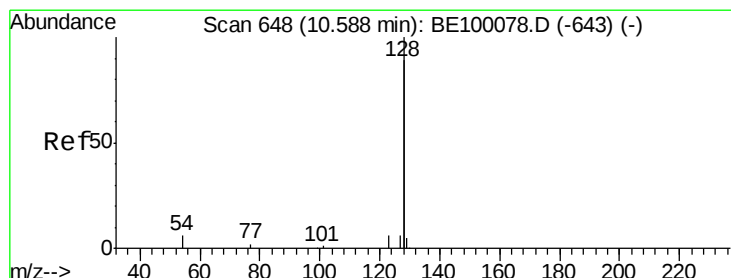
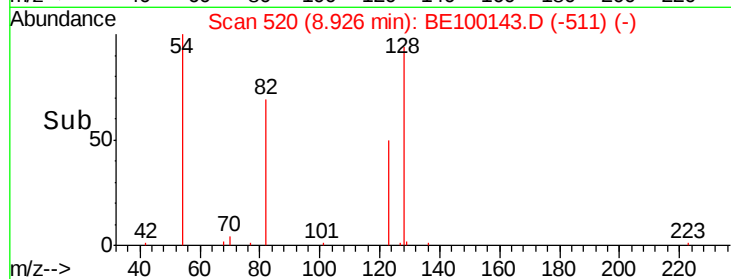
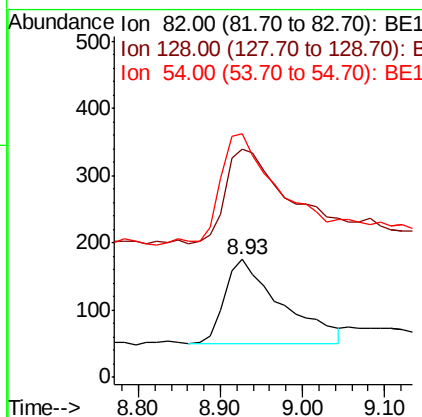
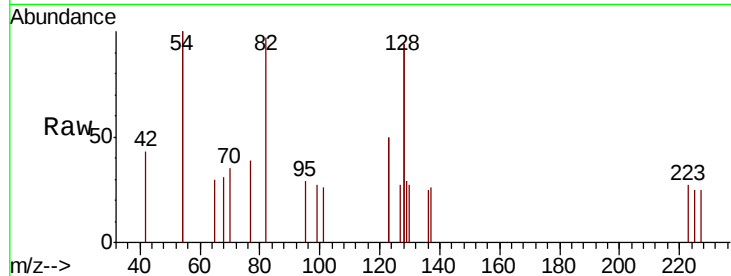
ClientSampleId :

PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
82	100		
128	194.3	128.0	192.0#
54	206.9	143.4	215.0

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#9

Naphthalene

Concen: 0.022 ng

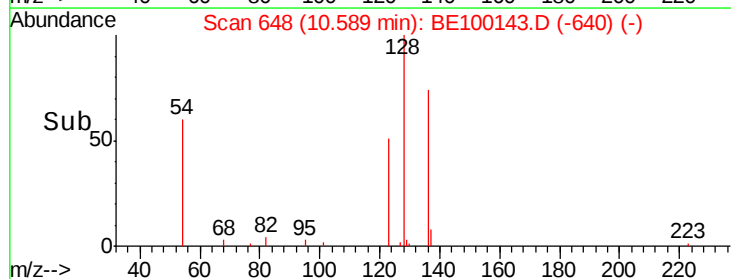
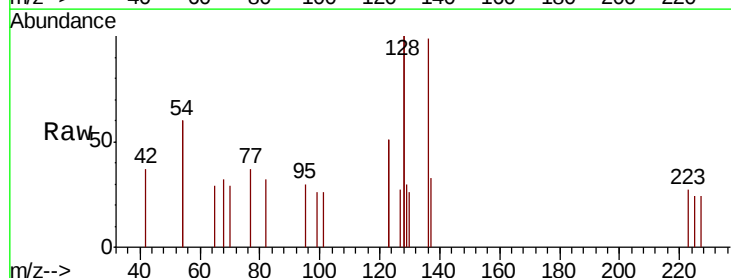
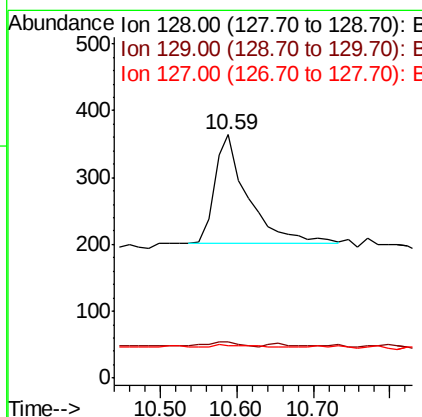
RT: 10.59 min Scan# 648

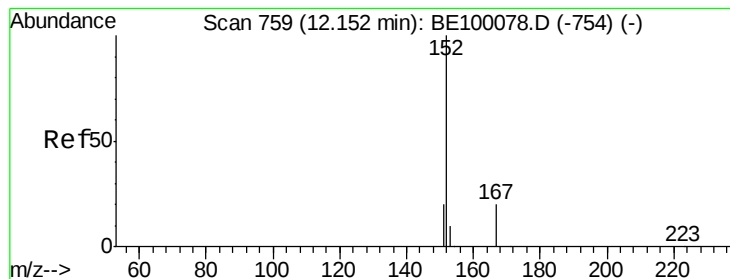
Delta R.T. 0.00 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.8	3.1	4.7#
127	13.5	3.4	5.2#





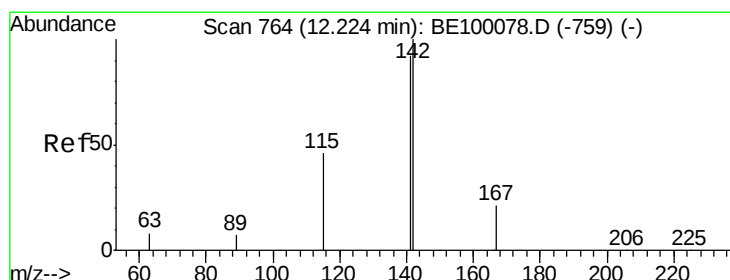
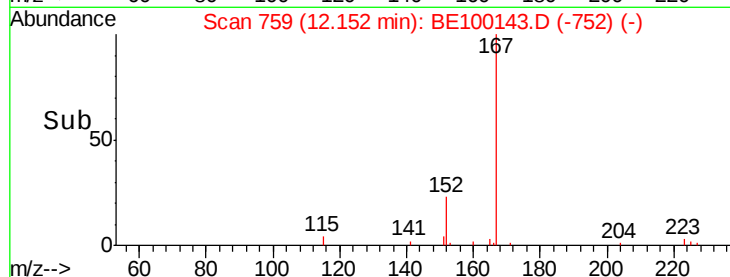
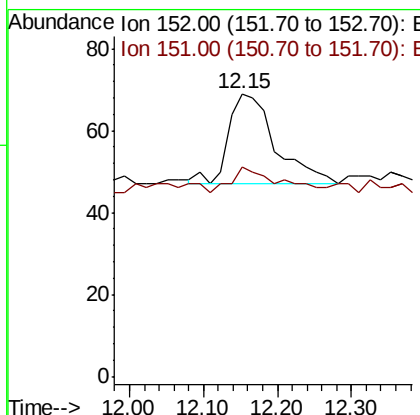
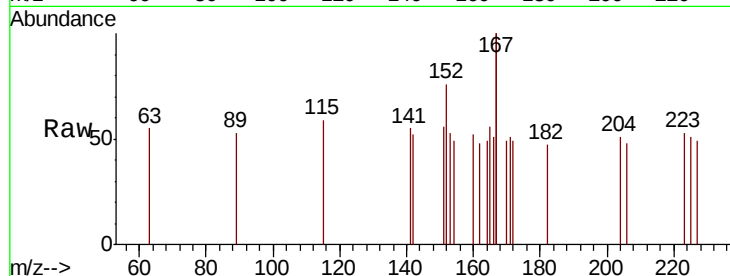
#11
2-Methylnaphthalene-d10
Concen: 0.025 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion:152 Resp: 98
Ion Ratio Lower Upper
152 100
151 25.5 16.3 24.5#

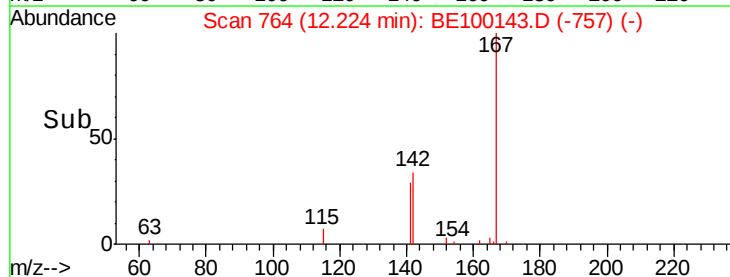
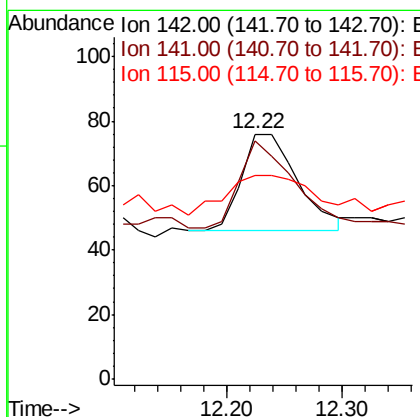
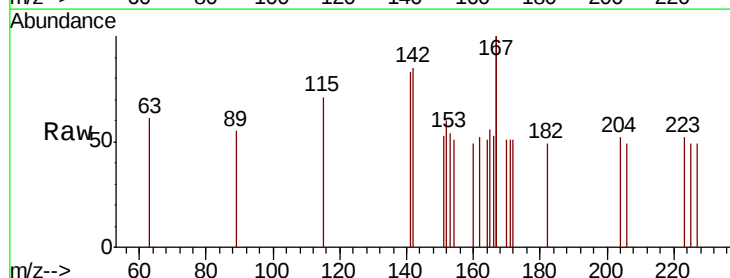
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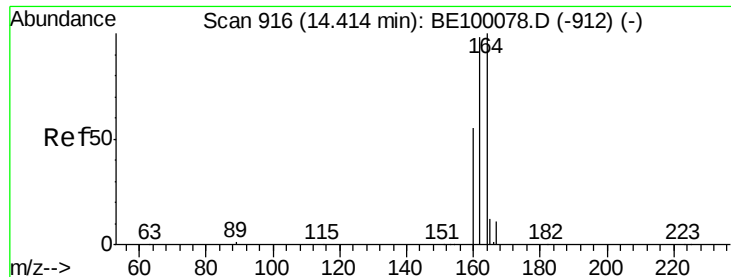
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#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion:142 Resp: 101
Ion Ratio Lower Upper
142 100
141 97.4 74.1 111.1
115 82.9 40.9 61.3#





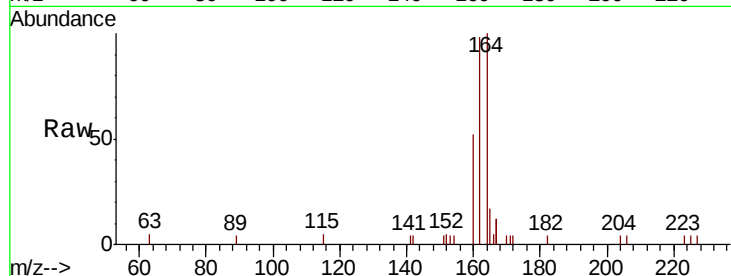
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BE100143.D
 Acq: 21 Jun 2019 19:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.2	117.2
160	52.4	45.6	68.4

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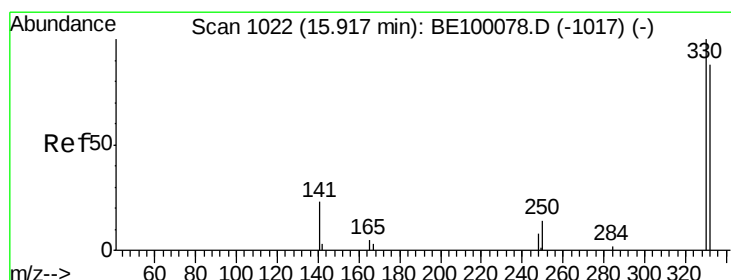
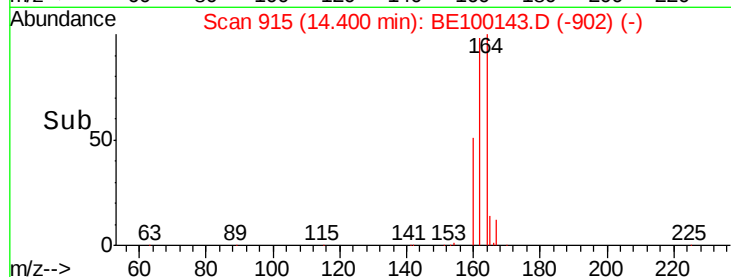
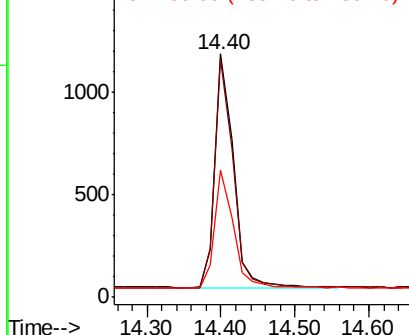


Abundance

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: 0.335 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100143.D
 Acq: 21 Jun 2019 19:18

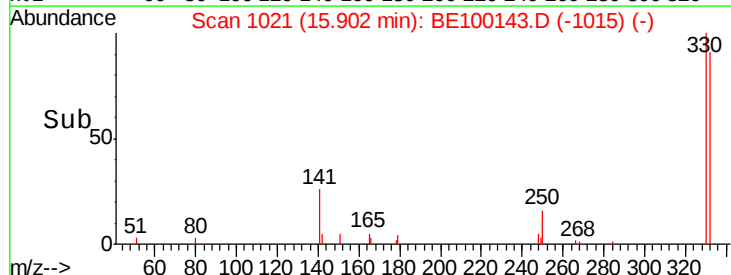
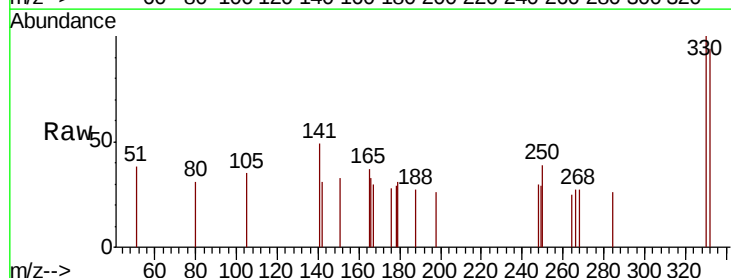
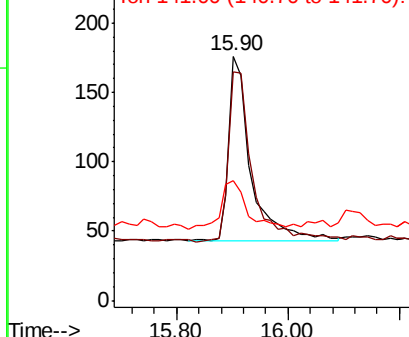
Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.3	73.3	109.9
141	32.8	22.2	33.2

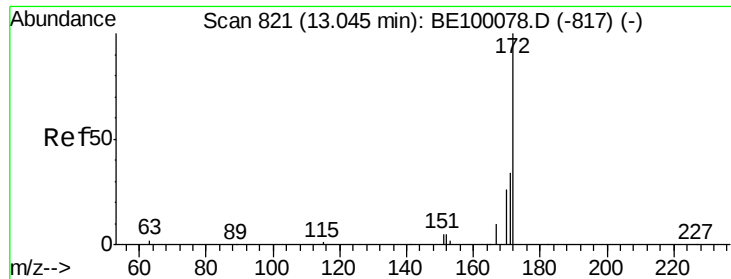
Abundance

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





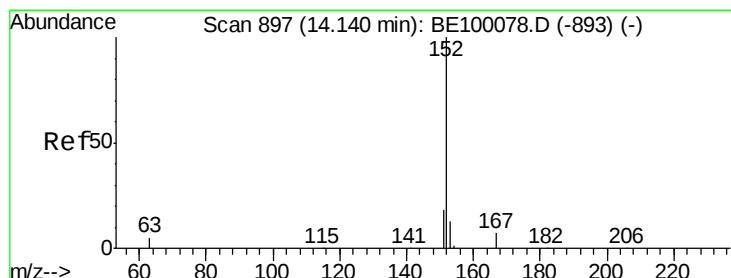
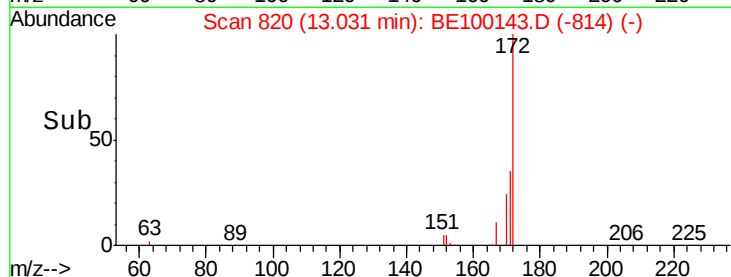
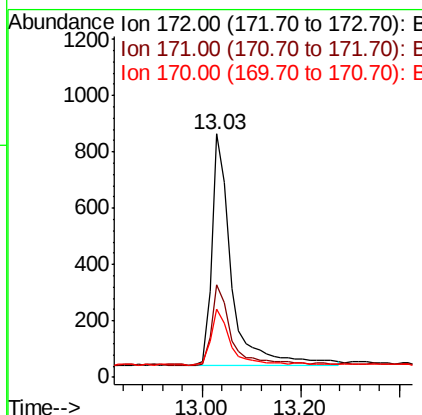
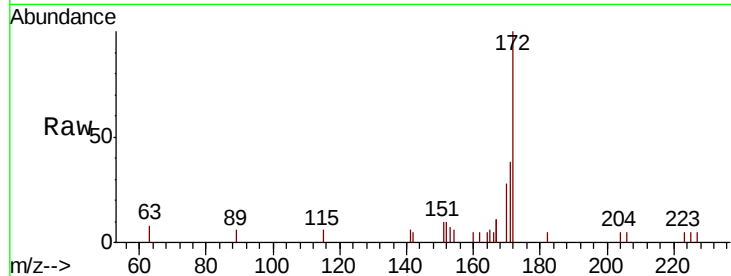
#15
2-Fluorobiphenyl
Concen: 0.284 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.8	44.8
170	28.2	23.2	34.8

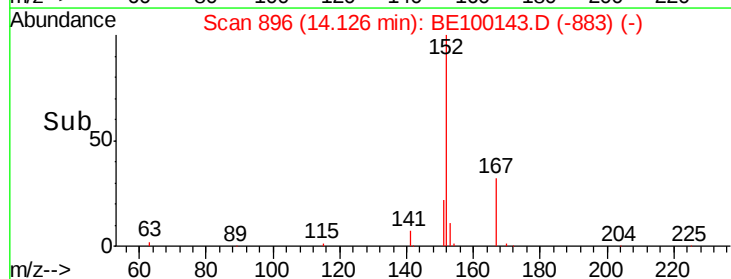
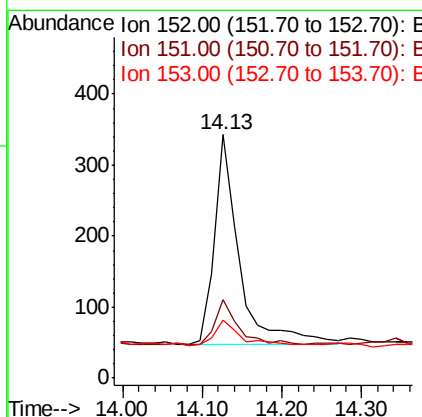
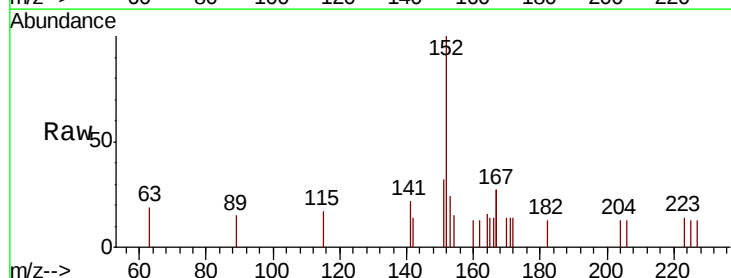
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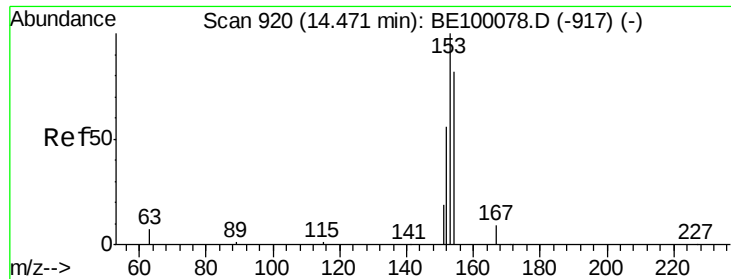
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#16
Acenaphthylene
Concen: 0.068 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	12.9	10.1	15.1





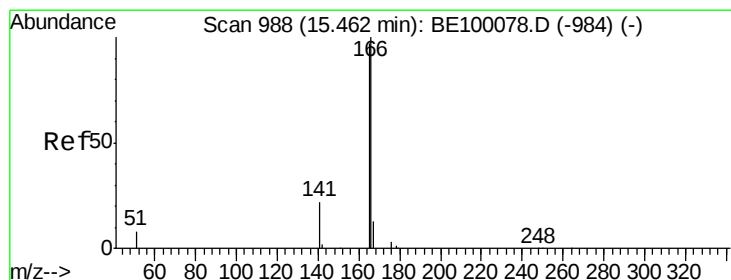
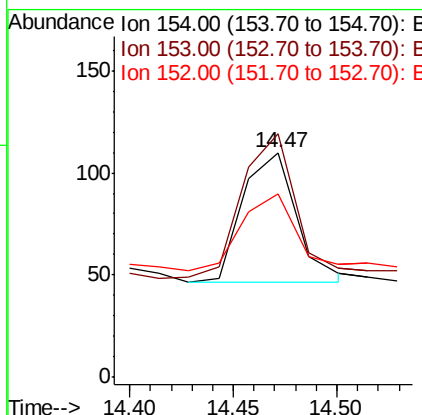
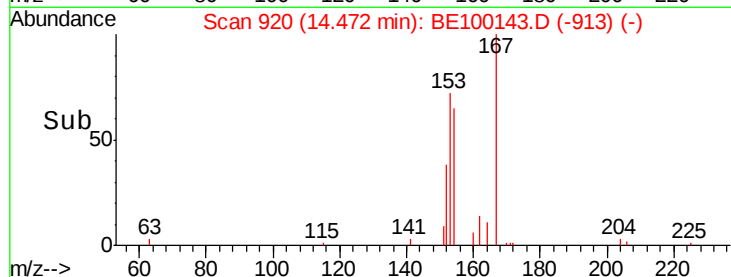
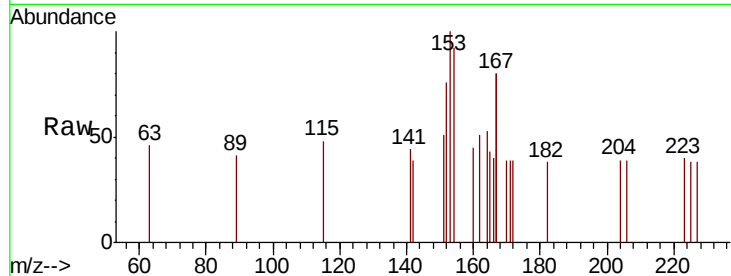
#17
Acenaphthene
Concen: 0.022 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.0	95.5	143.3
152	59.8	54.9	82.3

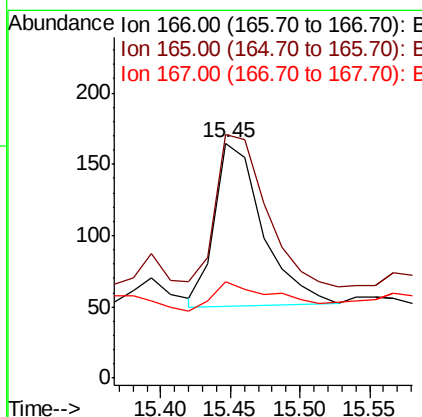
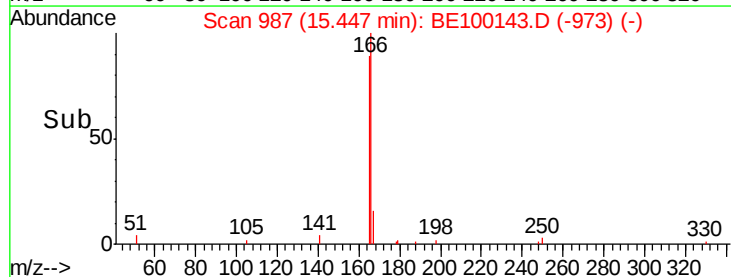
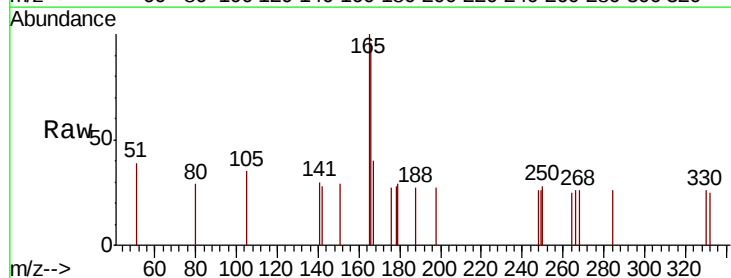
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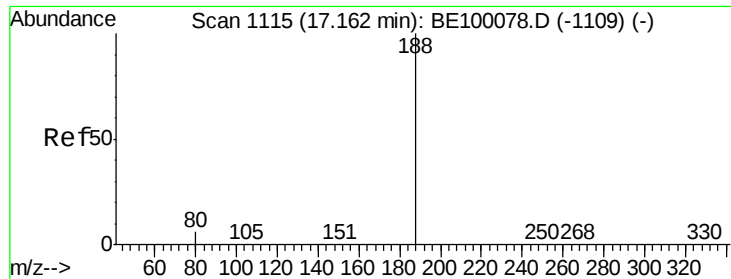
mohammad
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#18
Fluorene
Concen: 0.035 ng
RT: 15.45 min Scan# 987
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.2	79.8	119.8
167	23.6	10.2	15.4#





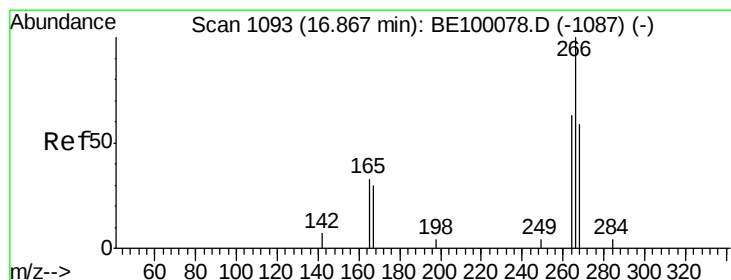
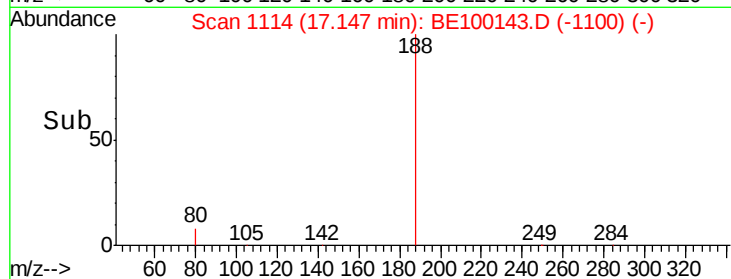
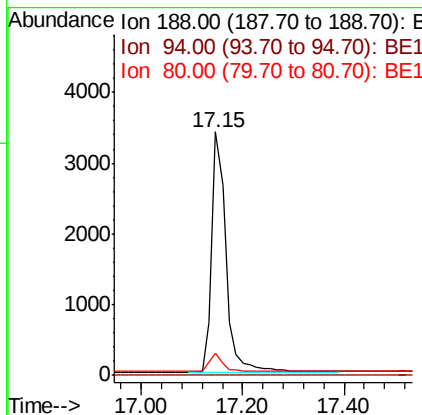
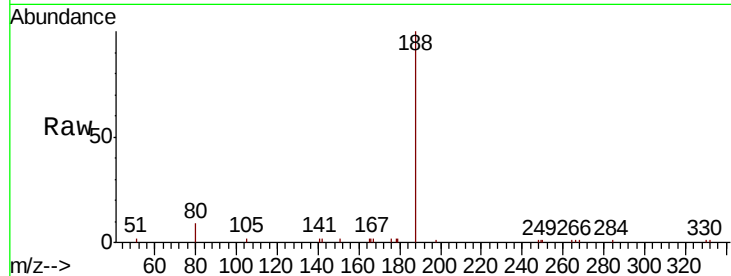
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion:	188	Resp:	6653
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	6.3	9.5

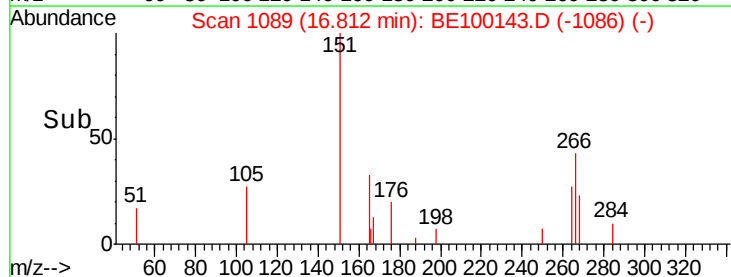
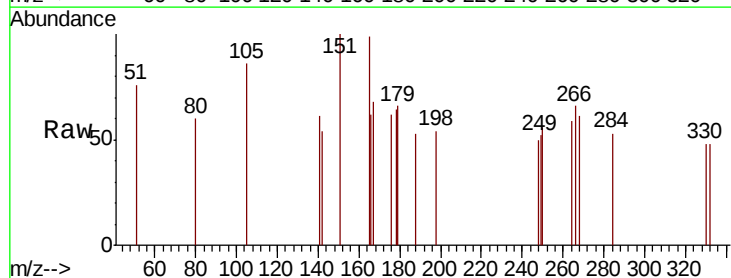
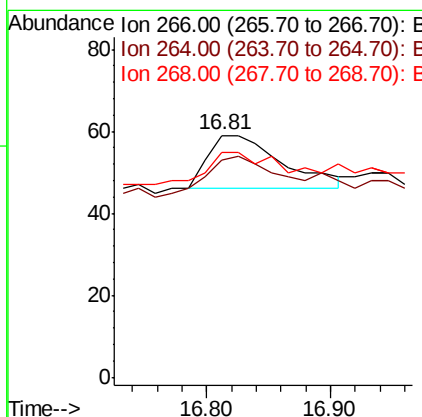
Manual Integrations
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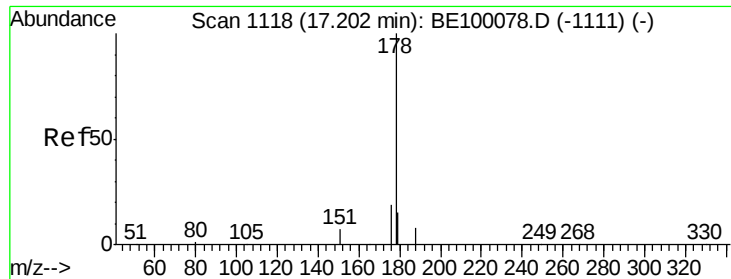
mohammad
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#22
Pentachlorophenol
Concen: 0.281 ng
RT: 16.81 min Scan# 1089
Delta R.T. -0.05 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion:	266	Resp:	55
Ion Ratio	Lower	Upper	
266	100		
264	89.8	67.8	101.6
268	93.2	70.0	105.0





#23

Phenanthrene

Concen: 0.477 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Instrument :

BNA_E

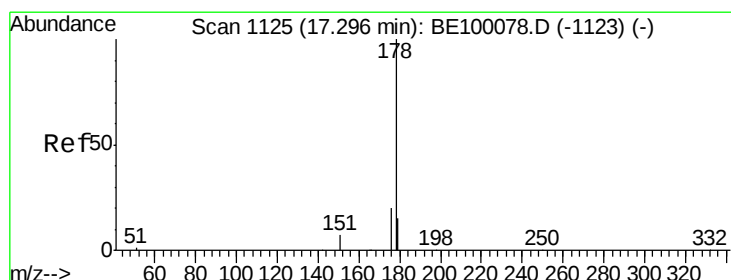
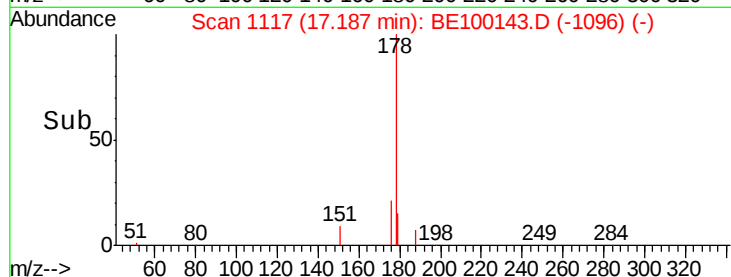
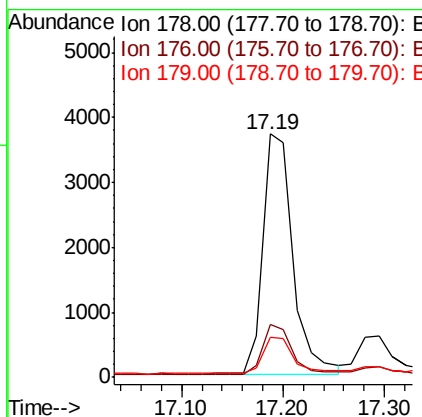
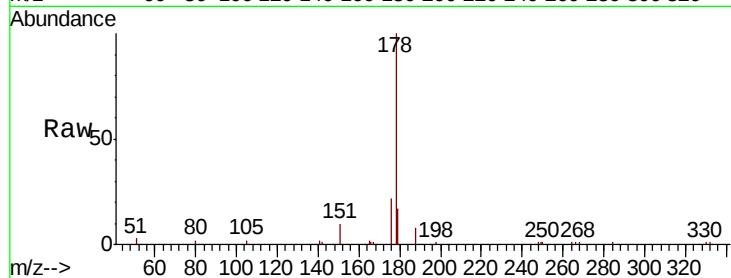
ClientSampleId :

PST-084-SW056-061319

Tot Ion:178	Resp:	7599
Ion Ratio	Lower	Upper
178	100	
176	20.5	15.9 23.9
179	15.9	13.1 19.7

Manual Integrations
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#24

Anthracene

Concen: 0.089 ng

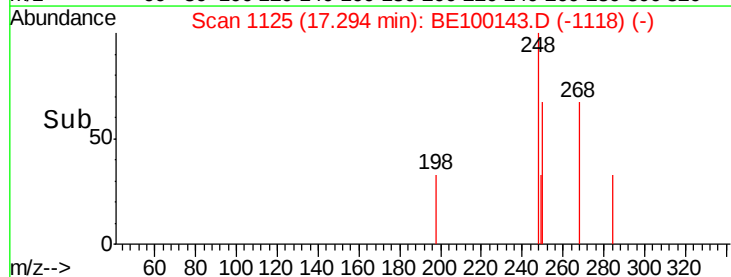
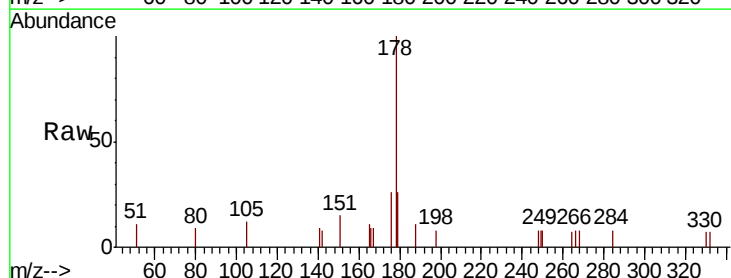
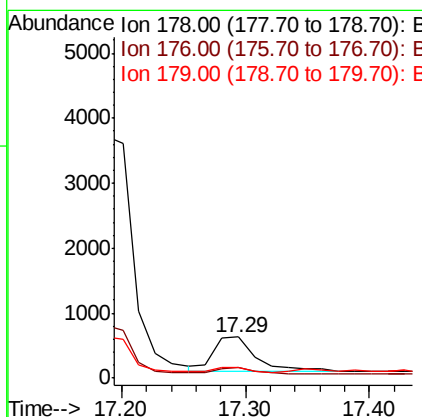
RT: 17.29 min Scan# 1125

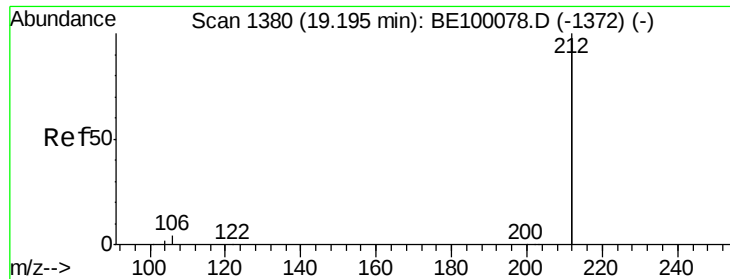
Delta R.T. -0.00 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Tgt Ion:178	Resp:	1193
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.8 23.6
179	11.9	12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.021 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Instrument :

BNA_E

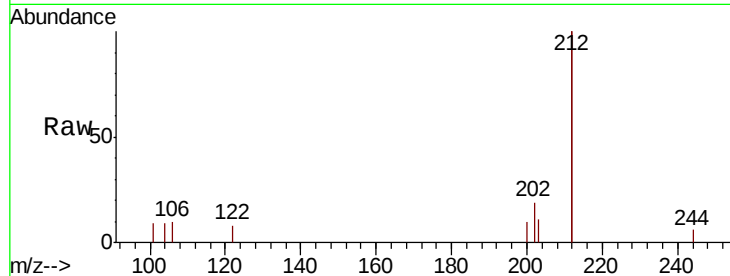
ClientSampleId :

PST-084-SW056-061319

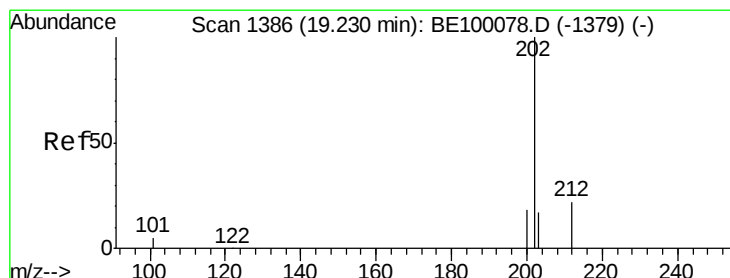
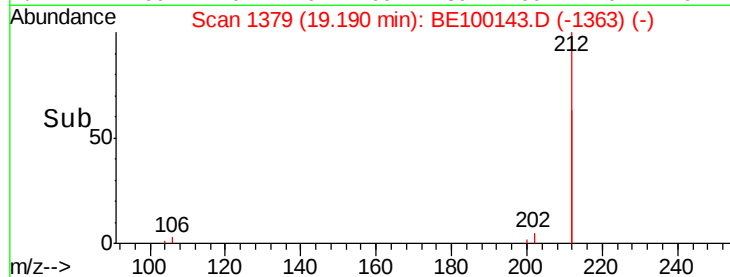
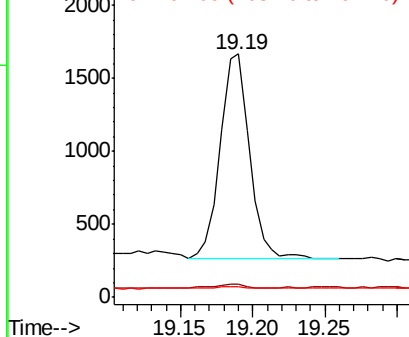
Tot Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.4	2.0#
104	1.7	0.8	1.2#

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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: 0.590 ng

RT: 19.22 min Scan# 1384

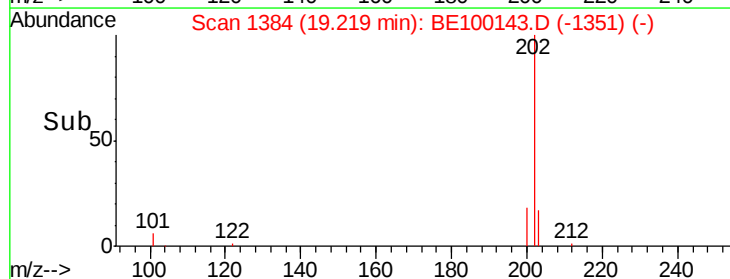
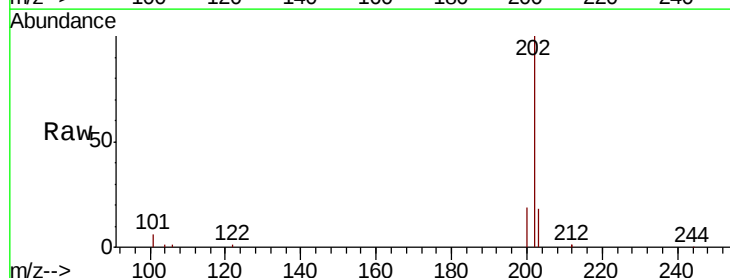
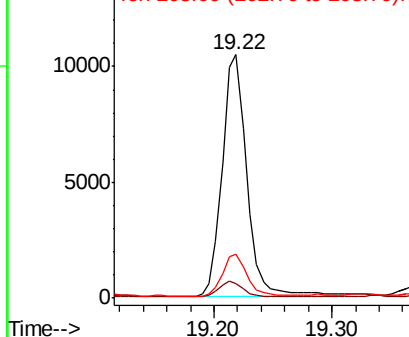
Delta R.T. -0.01 min

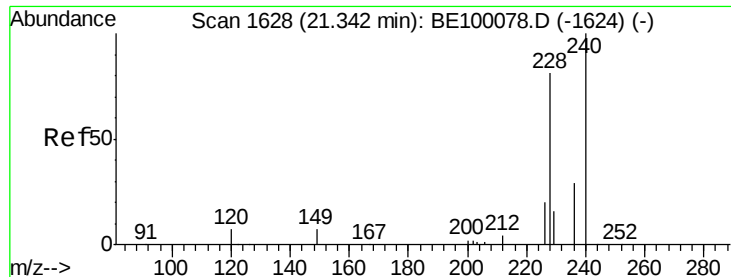
Lab File: BE100143.D

Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.2	5.0	7.4
203	16.9	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





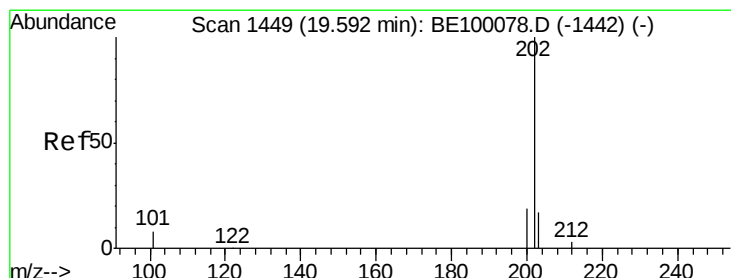
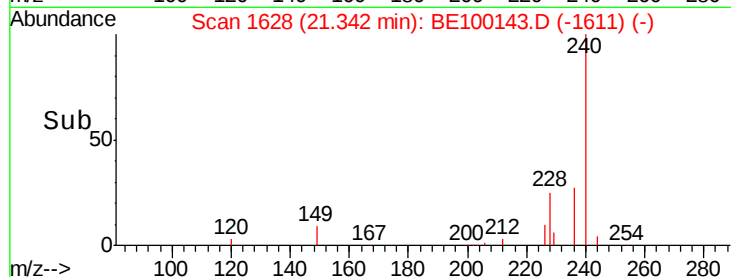
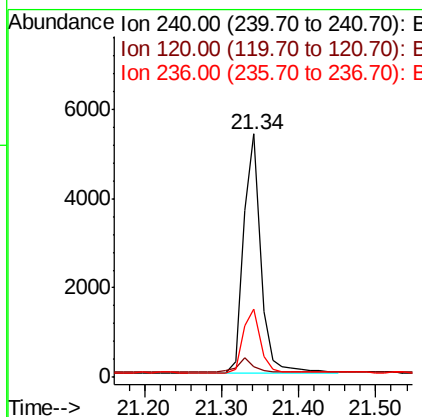
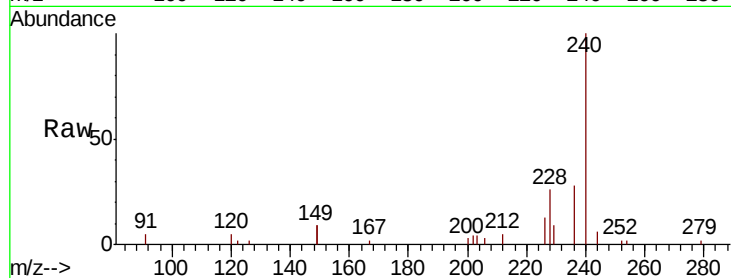
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.6	6.6	10.0#
236	28.1	23.8	35.6

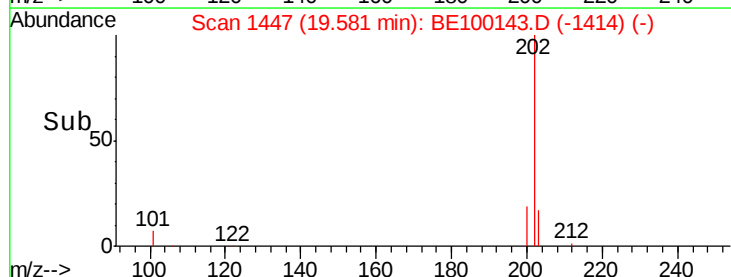
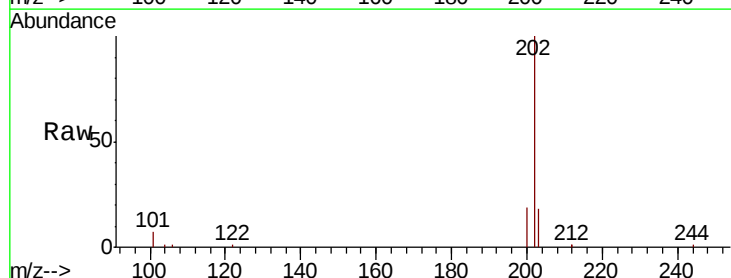
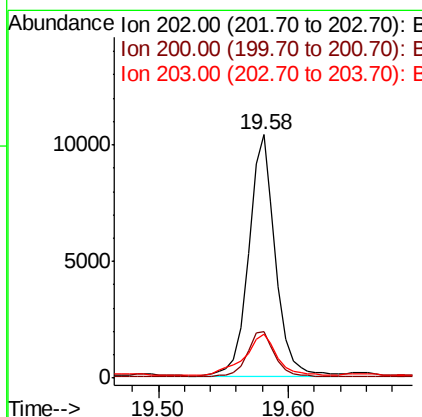
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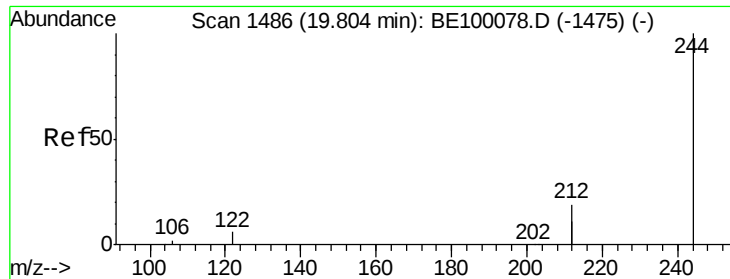
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#28
Pyrene
Concen: 0.681 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	20.6	13.9	20.9





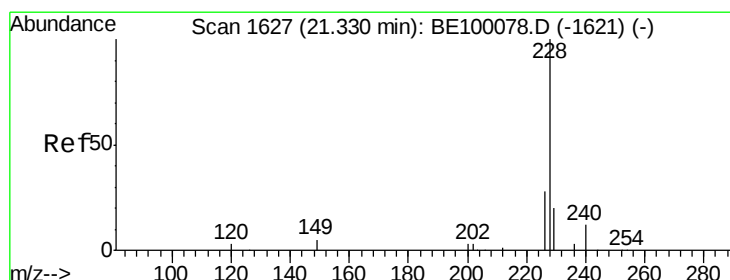
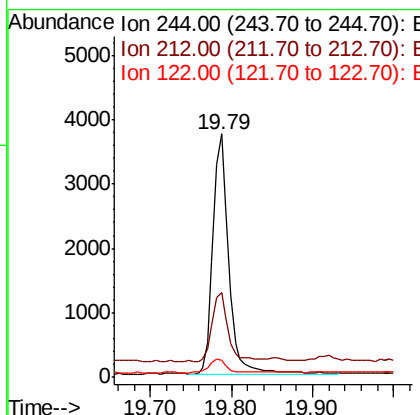
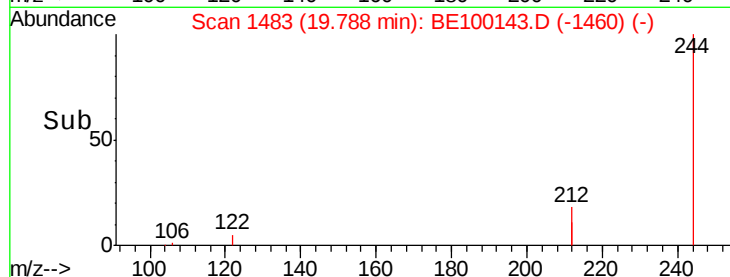
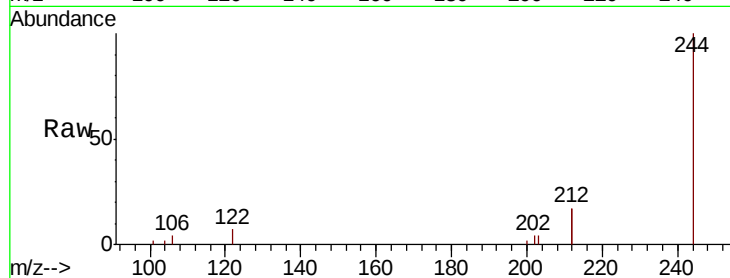
#29
 Terphenyl-d14
 Concen: 0.303 ng
 RT: 19.79 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: BE100143.D
 Acq: 21 Jun 2019 19:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
244	100		
212	34.7	29.8	44.8
122	7.1	6.1	9.1

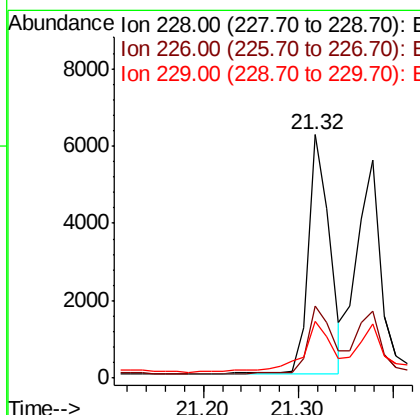
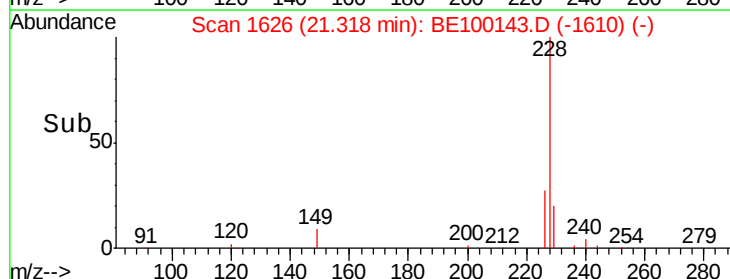
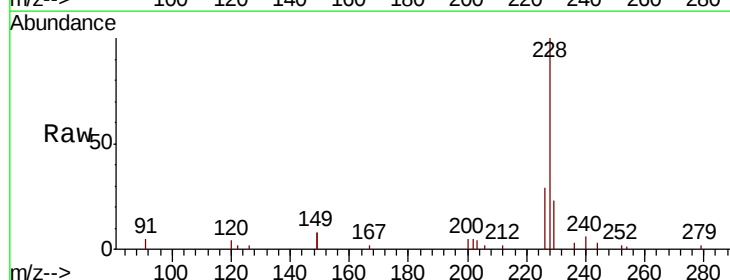
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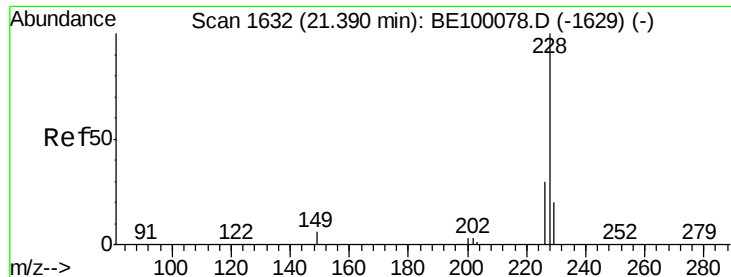
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#30
 Benzo(a)anthracene
 Concen: 0.387 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BE100143.D
 Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.4
229	23.3	16.4	24.6





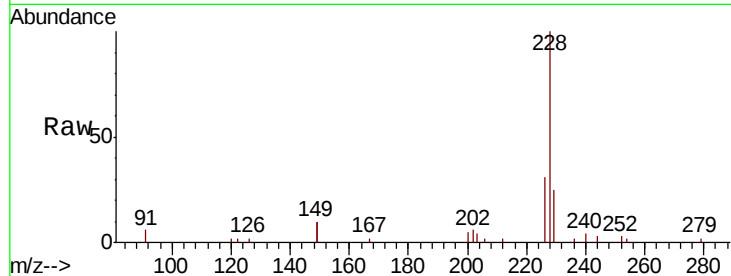
#31
Chrysene
Concen: 0.332 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.8
229	24.6	16.3	24.5

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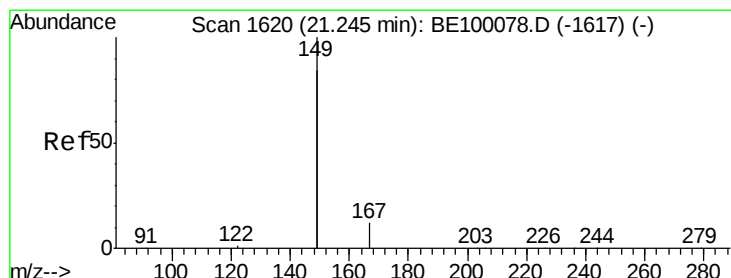
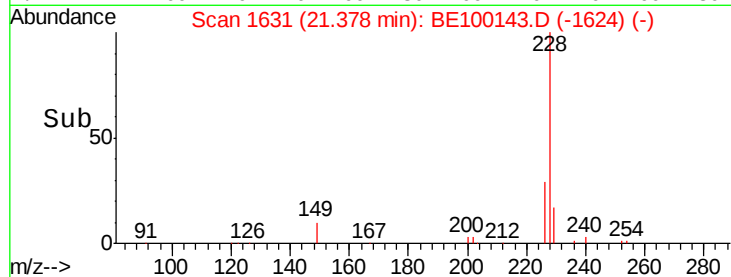
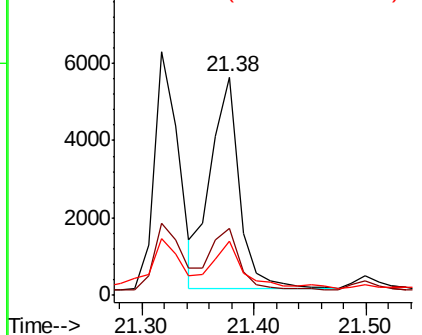


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.325 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

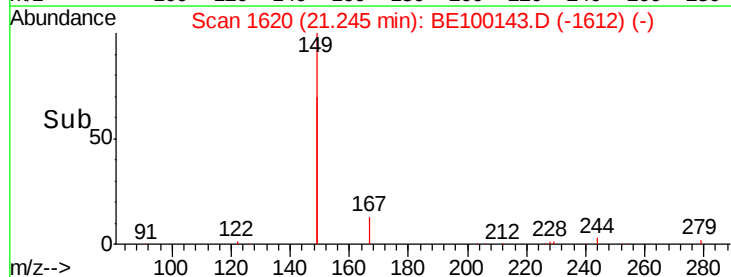
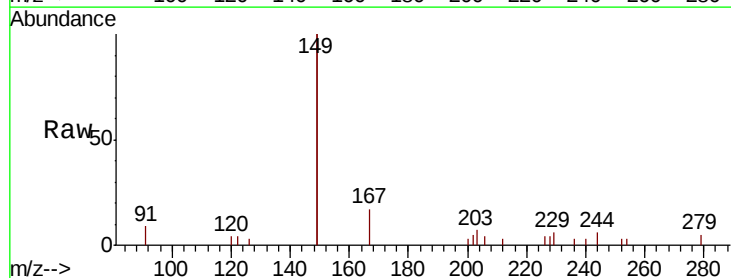
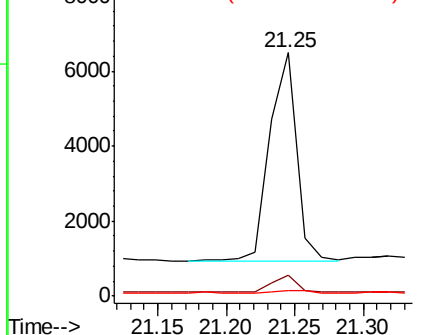
Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.8	8.6
279	1.5	1.1	1.7

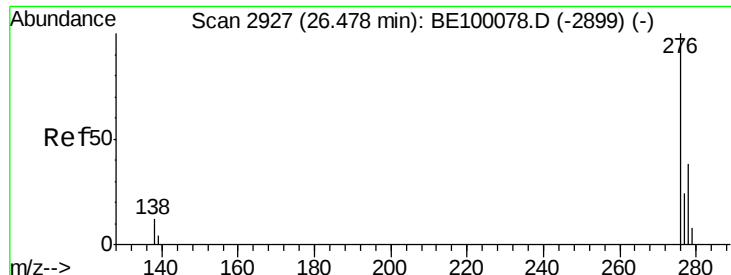
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





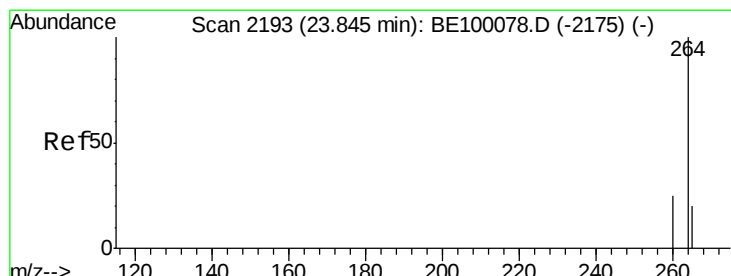
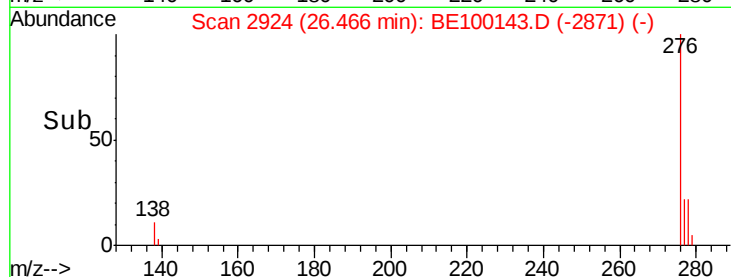
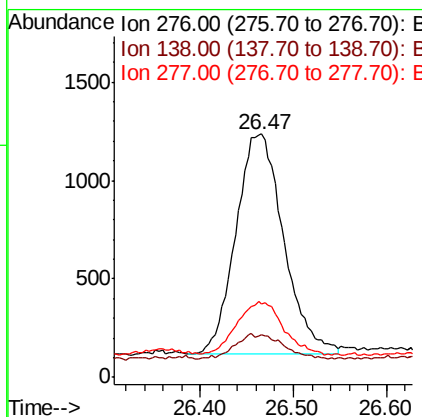
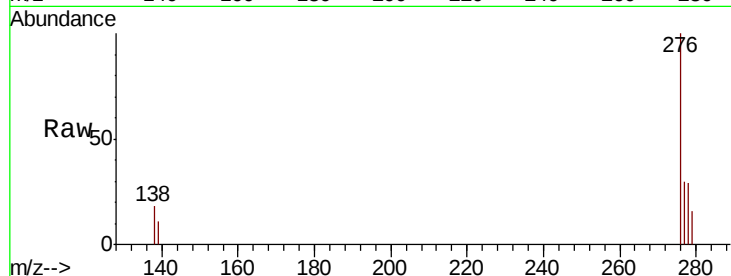
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.123 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.3	4.3	6.5
277	23.7	19.4	29.0

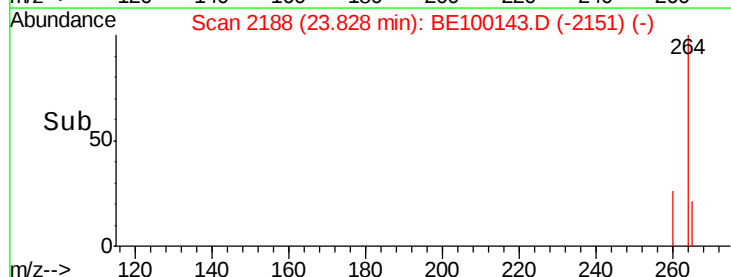
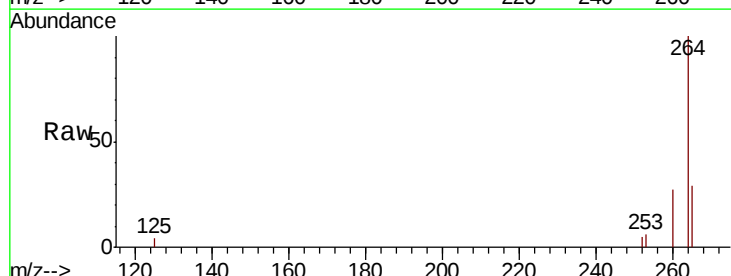
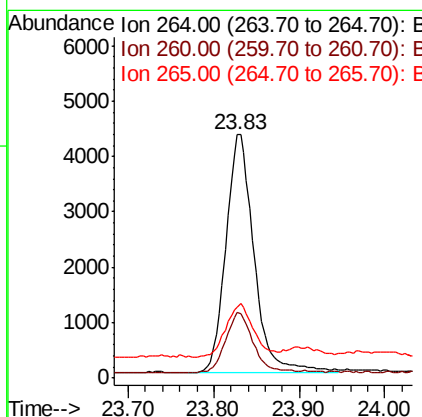
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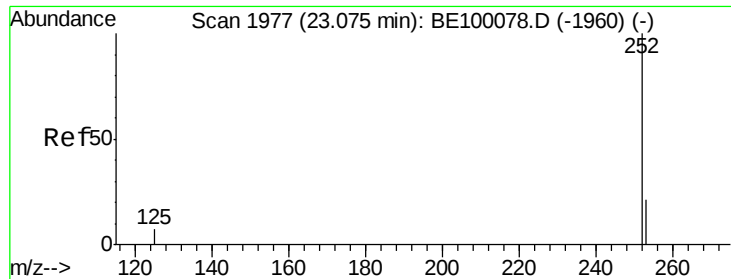
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.8	31.2
265	29.1	23.2	34.8





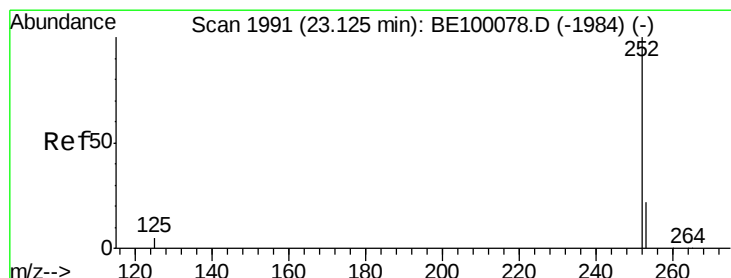
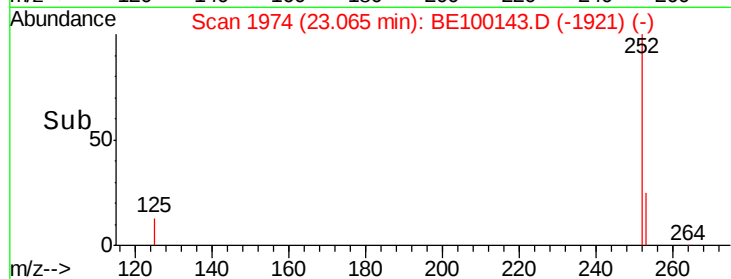
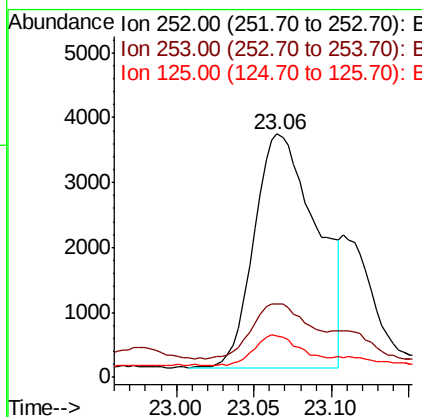
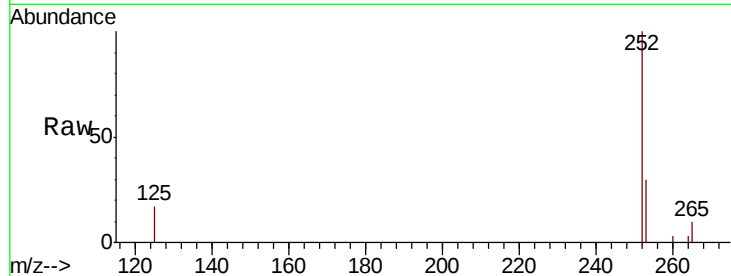
#35
Benzo(b)fluoranthene
Concen: 0.347 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.4	27.6#
125	17.1	6.4	9.6#

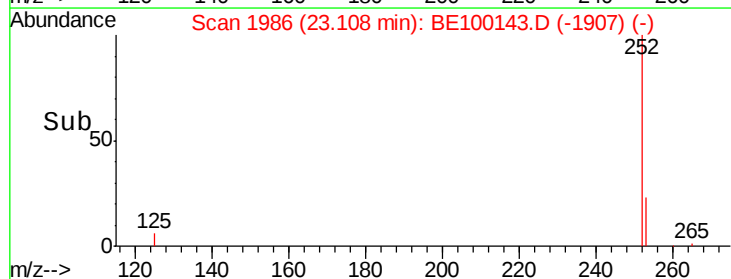
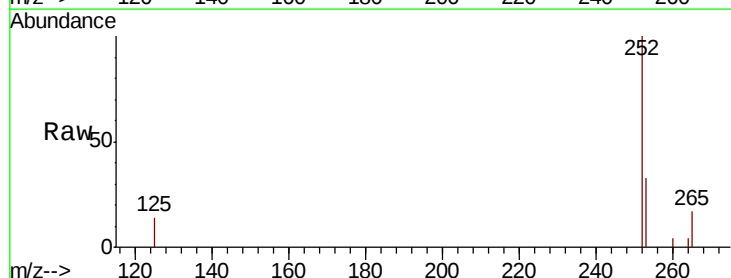
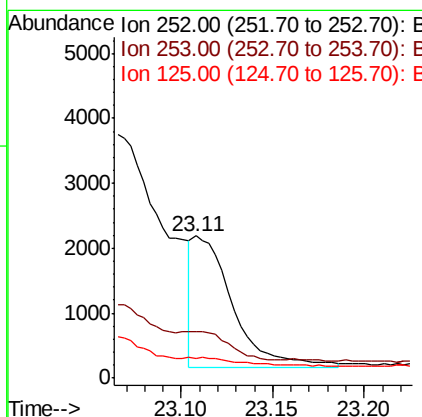
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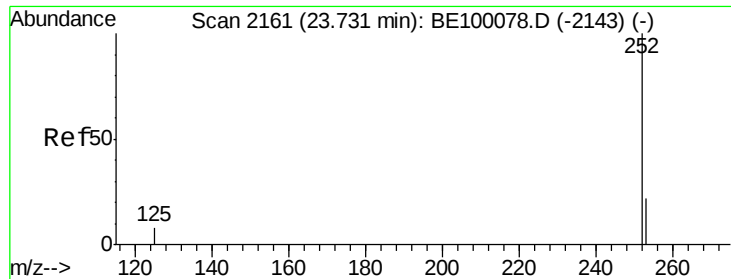
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.093 ng m
RT: 23.11 min Scan# 1986
Delta R.T. -0.02 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.8	18.9	28.3#
125	14.1	5.3	7.9#





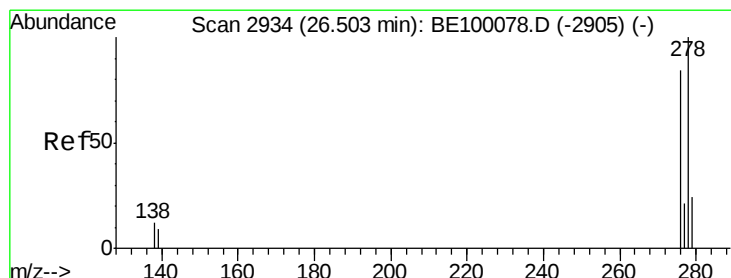
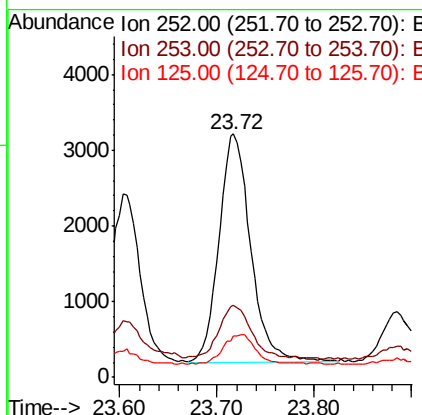
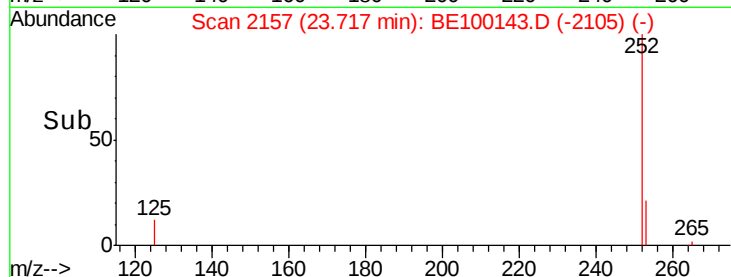
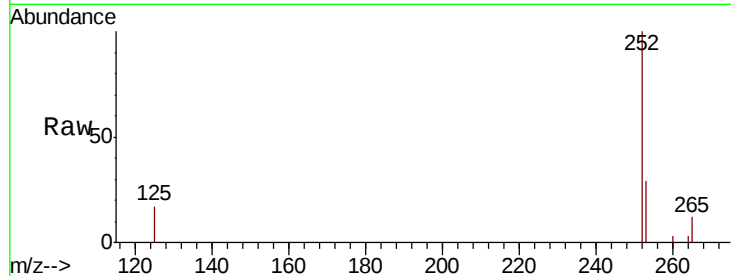
#37
Benzo(a)pyrene
Concen: 0.244 ng
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Instrument :
BNA_E
ClientSampleId :
PST-084-SW056-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	19.4	29.2#
125	16.8	8.0	12.0#

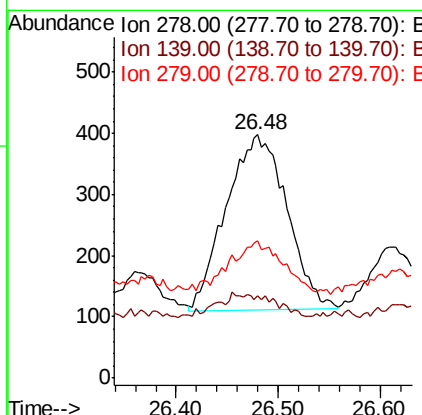
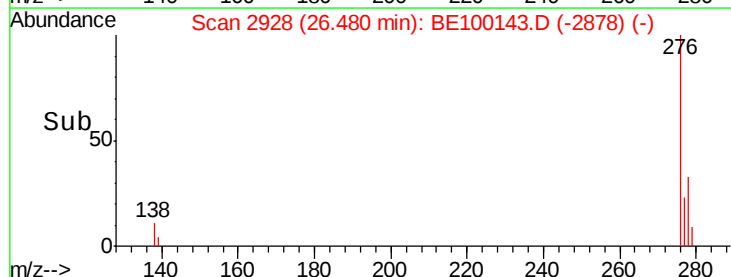
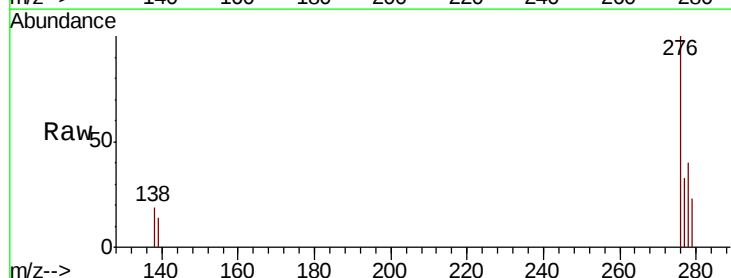
Manual Integrations
APPROVED

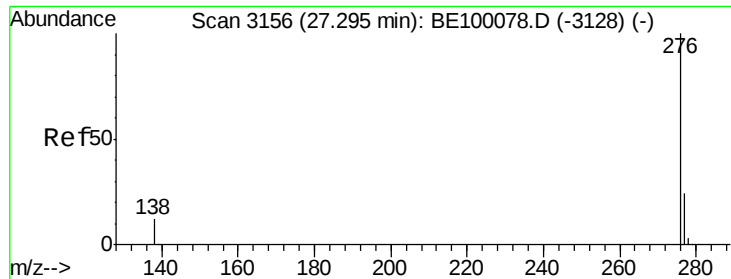
mohammad
6/25/2019 3:21:17 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.041 ng
RT: 26.48 min Scan# 2928
Delta R.T. -0.02 min
Lab File: BE100143.D
Acq: 21 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.7	9.0	13.6#
279	56.3	21.4	32.0#





#39

Benzo(a,h,i)perylene

Concen: 0.146 ng

RT: 27.27 min Scan# 3149

Delta R.T. -0.03 min

Lab File: BE100143.D

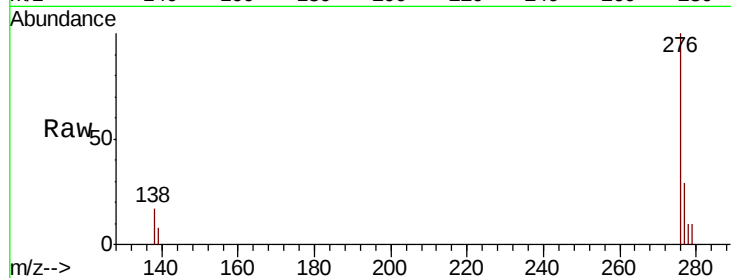
Acq: 21 Jun 2019 19:18

Instrument :

BNA_E

ClientSampleId :

PST-084-SW056-061319



Tot Ion:	276	Resp:	4361
Ion Ratio	Lower	Upper	
276	100		
277	29.2	20.3	30.5
138	17.2	11.3	16.9

Manual Integrations
APPROVED

mohammad
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