

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100213.D
 Acq On : 27 Jun 2019 20:16
 Operator : JU/SJ
 Sample : K3428-15
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B043-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:12:10 AM

Quant Time: Jun 28 05:50:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 05:41:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	819	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	2847	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2297	0.40	ng	-0.01
19) Phenanthrene-d10	17.05	188	6892	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	9135	0.40	ng	0.00
34) Perylene-d12	23.67	264	10713	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	578	0.32	ng	0.00
5) Phenol-d6	6.83	99	799	0.32	ng	-0.02
8) Nitrobenzene-d5	8.82	82	863	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1995	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	376	0.28	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	2439	0.26	ng	-0.01
25) Fluoranthene-d10	19.09	212	34880	0.35	ng	-0.01
29) Terphenyl-d14	19.70	244	4493	0.25	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.50	128	6967	0.224	ng	99
12) 2-Methylnaphthalene	12.12	142	709	0.142	ng	90
16) Acenaphthylene	14.04	152	2792	0.249	ng	99
17) Acenaphthene	14.38	154	367	0.058	ng	88
18) Fluorene	15.37	166	1010	0.111	ng	# 90
23) Phenanthrene	17.09	178	23892	1.464	ng	99
24) Anthracene	17.19	178	3142	0.228	ng	100
26) Fluoranthene	19.13	202	47178	1.776	ng	99
28) Pyrene	19.49	202	56818	2.429	ng	96
30) Benzo(a)anthracene	21.22	228	32090	1.192	ng	96
31) Chrysene	21.28	228	38363	1.214	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	8089	0.261	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.22	276	18953	0.421	ng	# 96
35) Benzo(b)fluoranthene	22.92	252	39058	1.356	ng	99
36) Benzo(k)fluoranthene	22.97	252	11615m	0.337	ng	
37) Benzo(a)pyrene	23.56	252	29098	0.975	ng	98
38) Dibenzo(a,h)anthracene	26.24	278	5154	0.161	ng	# 84
39) Benzo(a,h,i)perylene	27.01	276	20279	0.608	ng	97

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

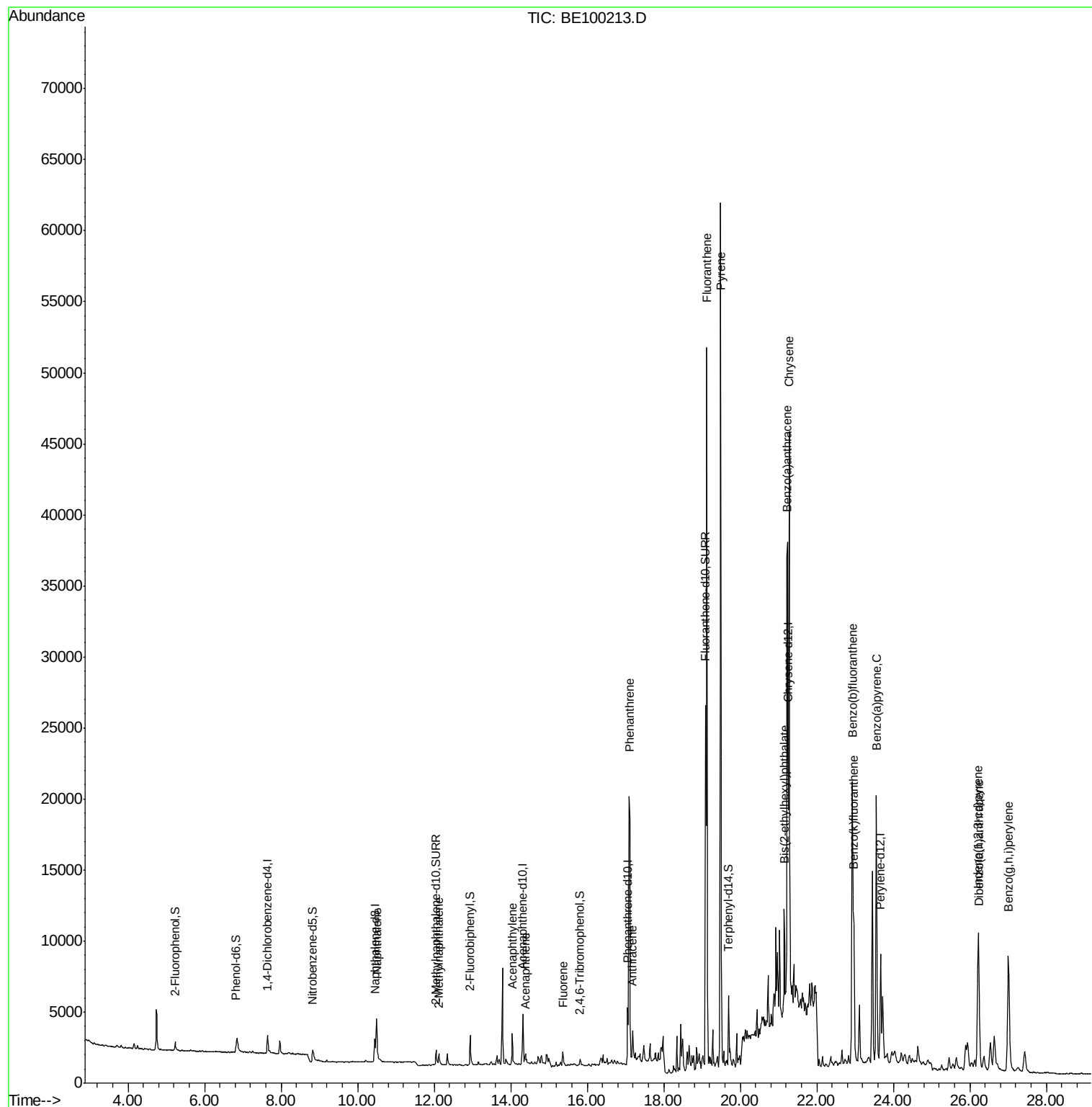
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100213.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

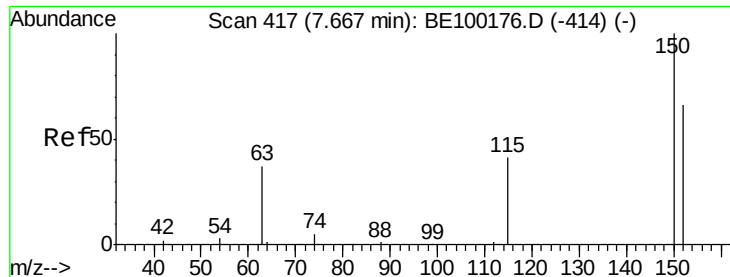
Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

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#1

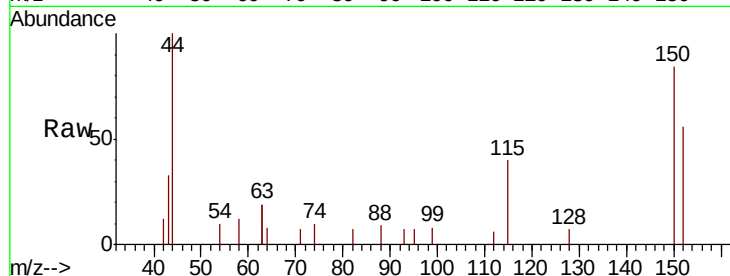
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	113.4	170.2
115	71.9	55.8	83.6

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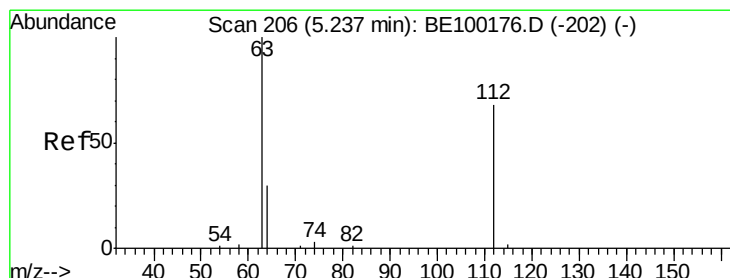
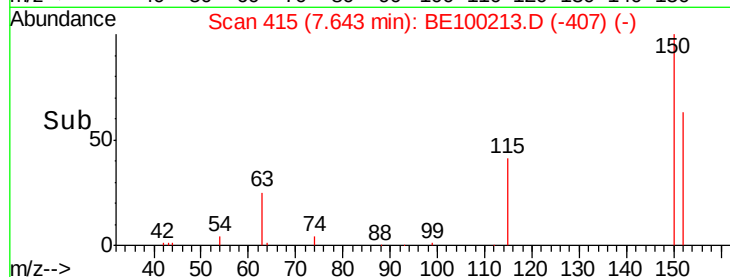
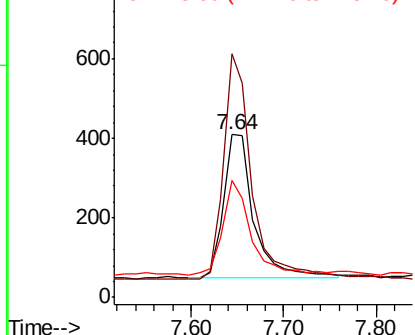


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

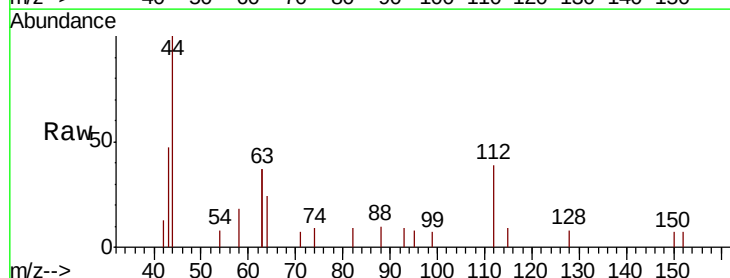
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.317 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	40.7	61.1
63	133.4	93.2	139.8

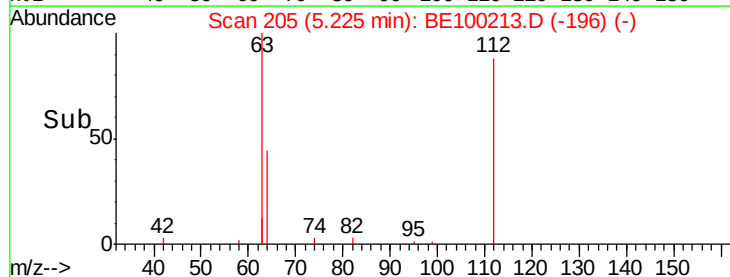
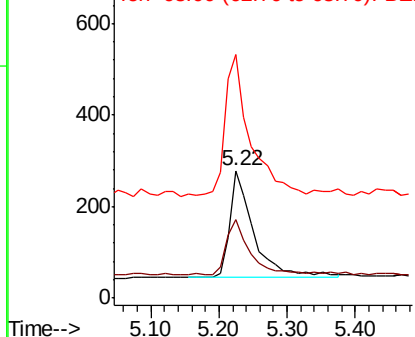


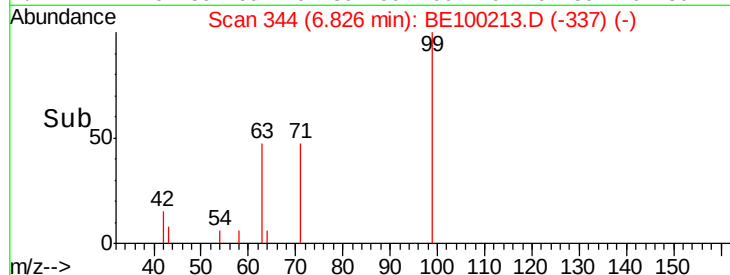
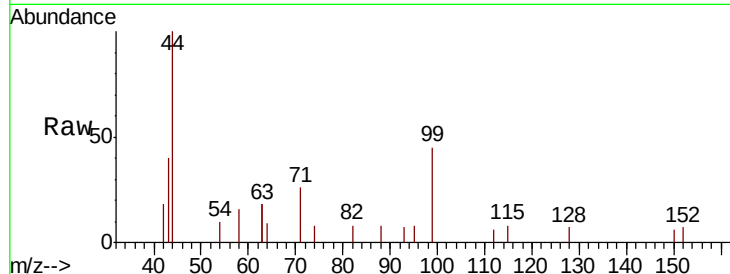
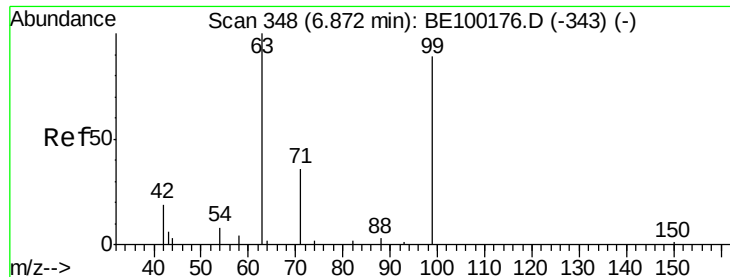
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.319 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.02 min

Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Tot Ion:	99	Resp:	799
Ion	Ratio	Lower	Upper
99	100		
42	22.3	10.4	15.6#
71	41.3	32.4	48.6

Instrument :

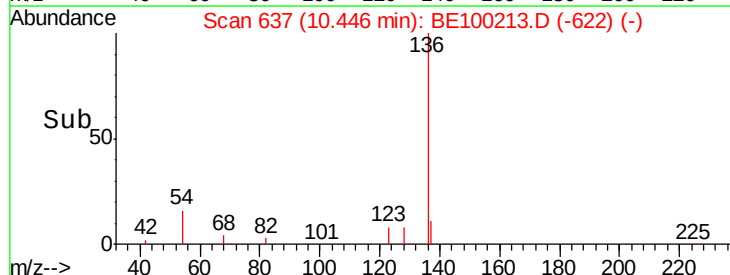
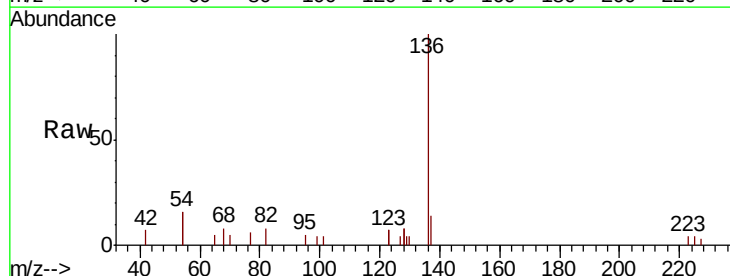
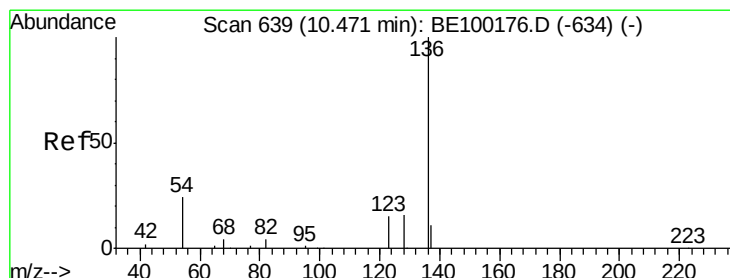
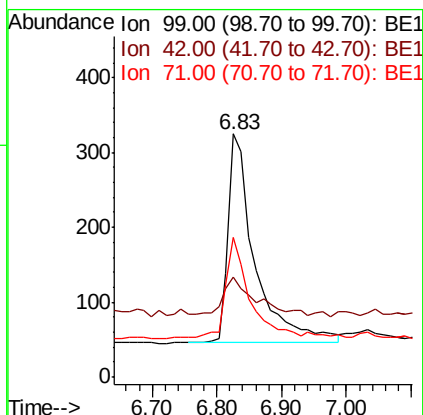
BNA_E

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

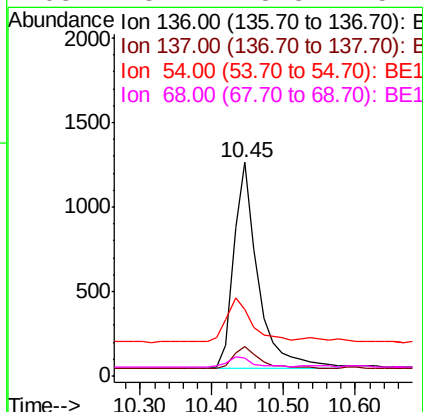
RT: 10.45 min Scan# 637

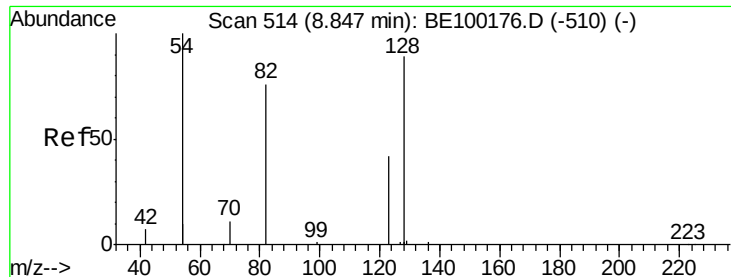
Delta R.T. 0.00 min

Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Tgt Ion:	136	Resp:	2847
Ion	Ratio	Lower	Upper
136	100		
137	14.1	13.8	20.8
54	31.3	35.4	53.2#
68	8.1	8.8	13.2#





#8

Nitrobenzene-d5

Concen: 0.305 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Instrument :

BNA_E

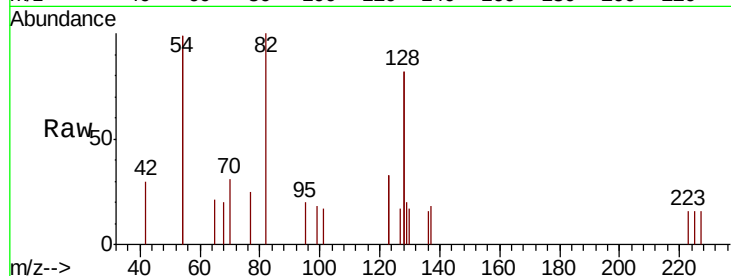
ClientSampleId :

PST-084-B043-061319

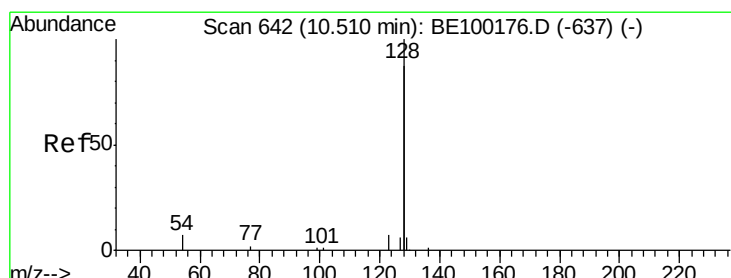
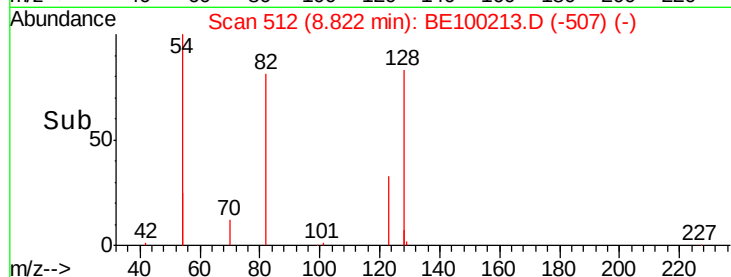
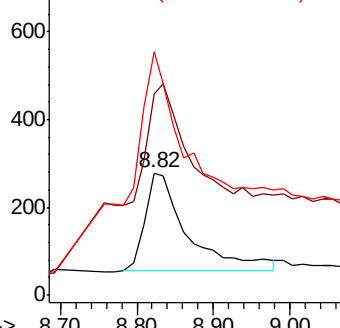
Tot Ion:	82	Resp:	863
Ion	Ratio	Lower	Upper
82	100		
128	164.2	144.6	217.0
54	198.6	163.0	244.6

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



#9

Naphthalene

Concen: 0.224 ng

RT: 10.50 min Scan# 641

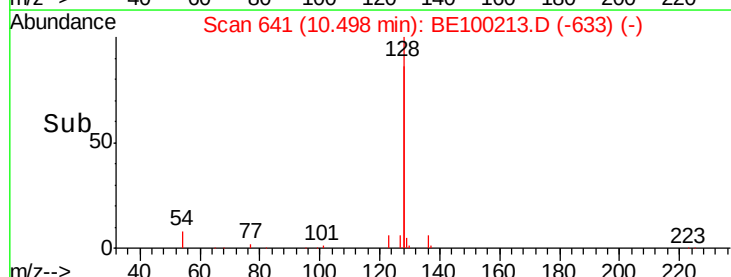
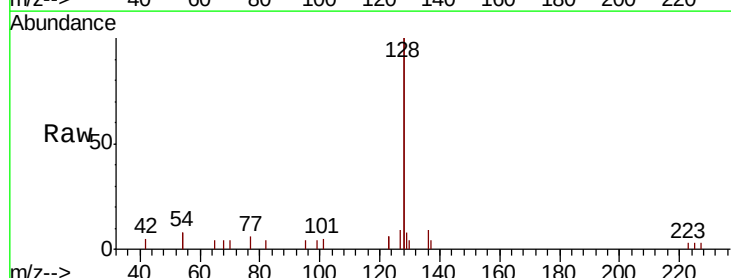
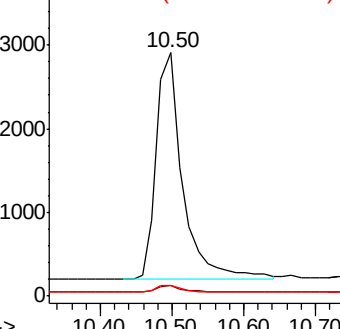
Delta R.T. 0.00 min

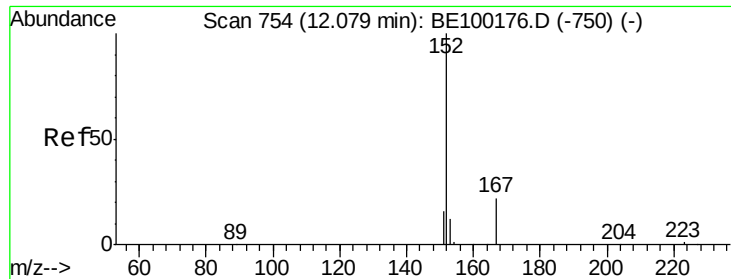
Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Tgt Ion:	128	Resp:	6967
Ion	Ratio	Lower	Upper
128	100		
129	4.2	3.6	5.4
127	4.6	3.8	5.8

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





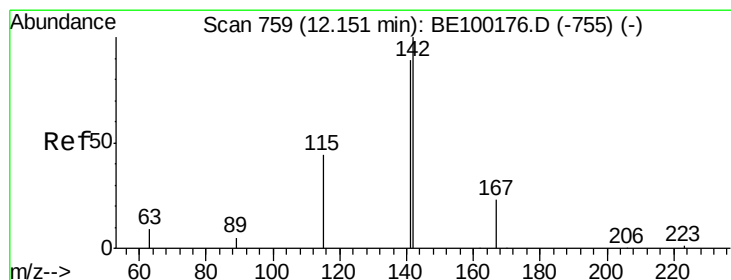
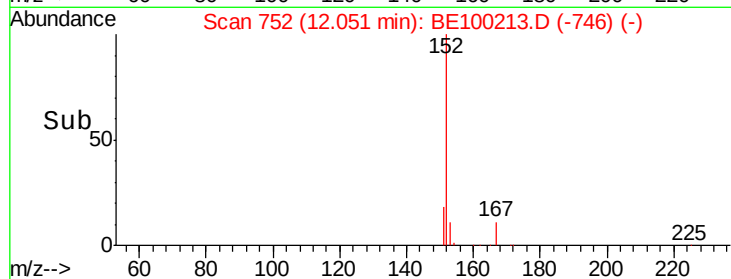
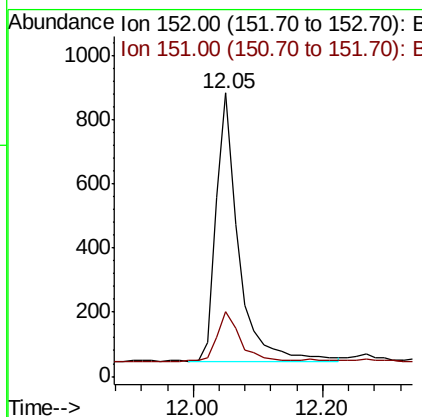
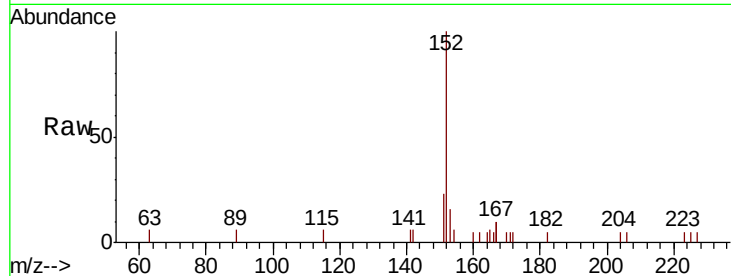
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.0	16.3	24.5

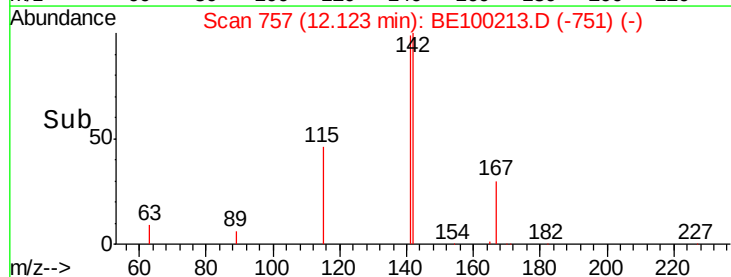
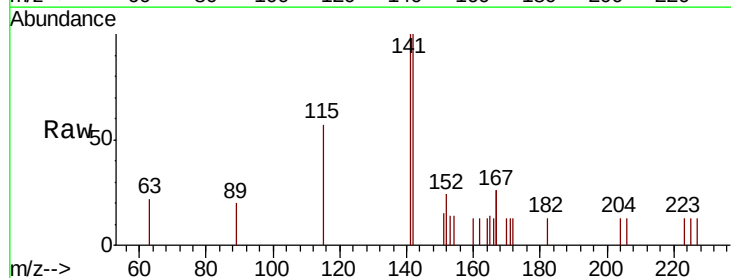
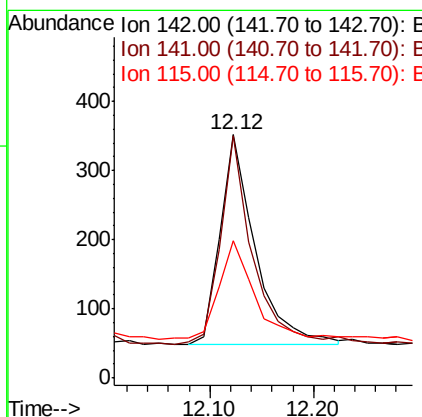
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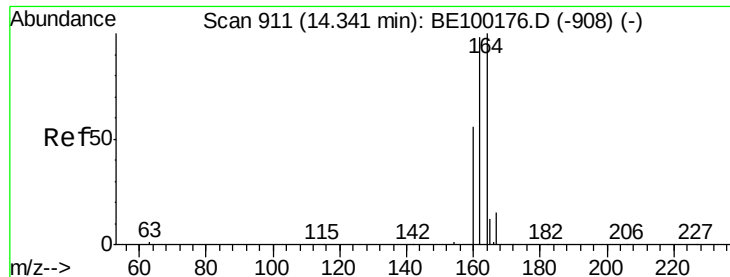
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#12
2-Methylnaphthalene
Concen: 0.142 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.7	71.8	107.8
115	56.5	40.4	60.6





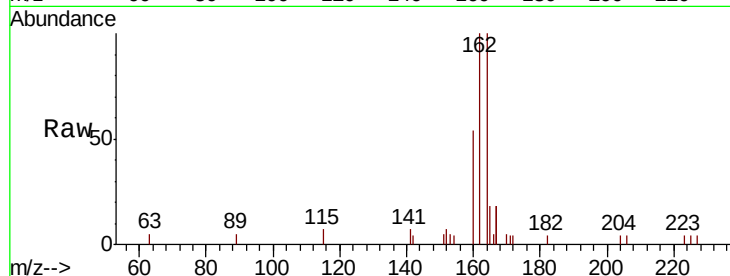
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

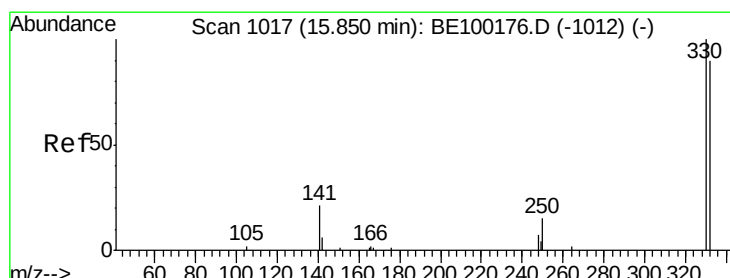
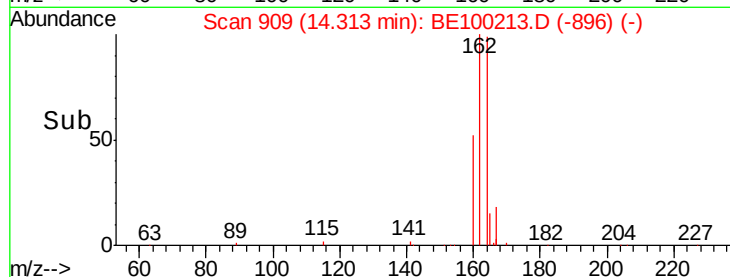
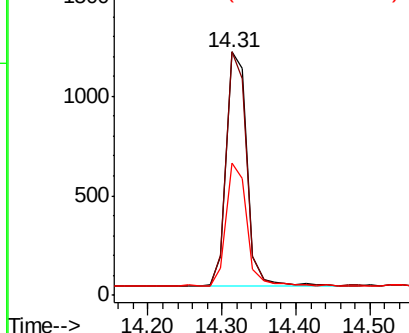
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	78.6	118.0
160	54.5	46.9	70.3

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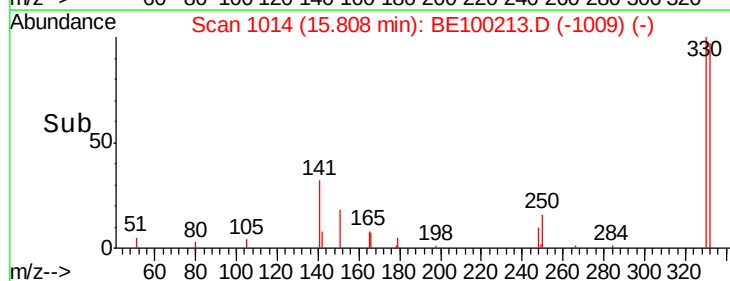
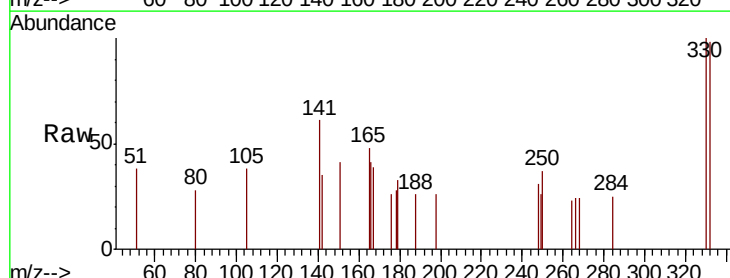
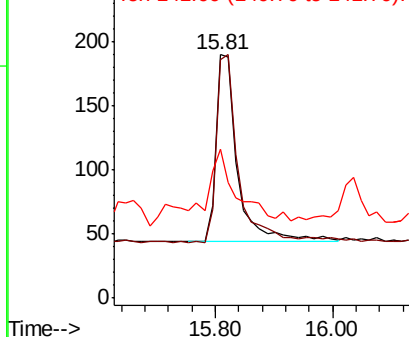
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

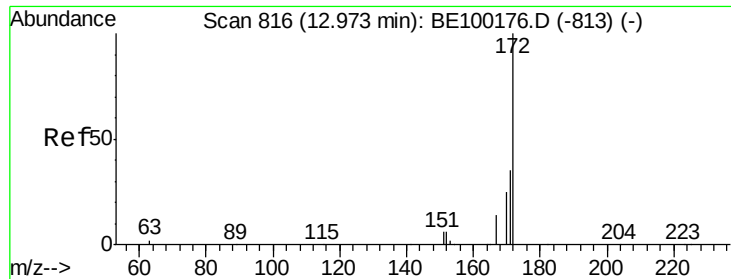


#14
2,4,6-Tribromophenol
Concen: 0.283 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.03 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.7	116.5
141	41.2	18.9	28.3

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





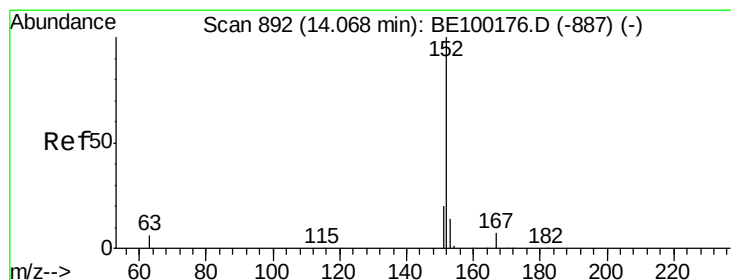
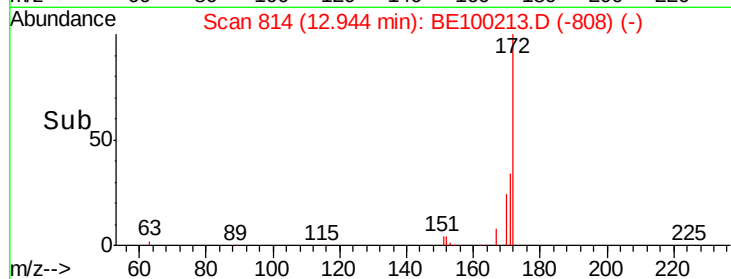
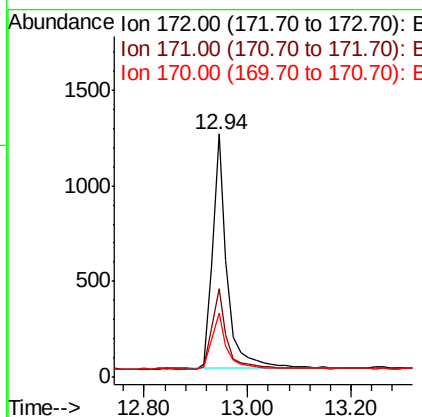
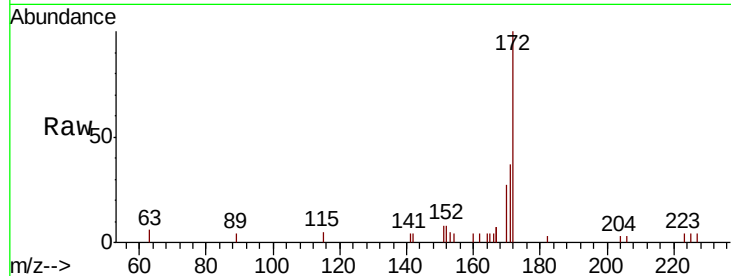
#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	31.0	46.4
170	26.7	23.9	35.9

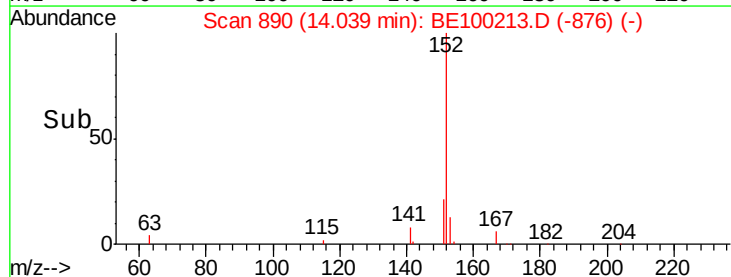
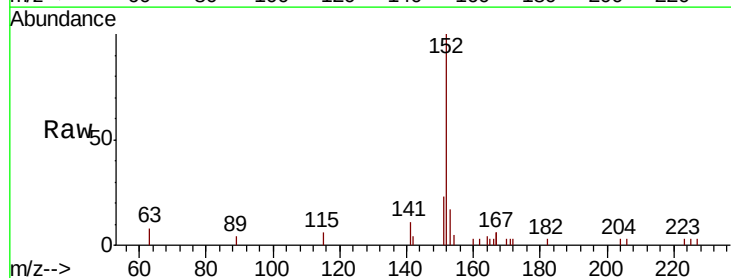
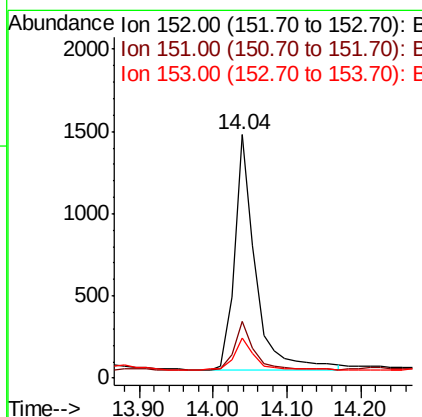
Manual Integrations
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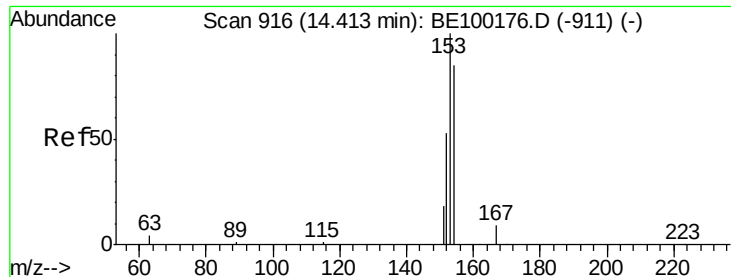
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#16
Acenaphthylene
Concen: 0.249 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0
153	13.2	10.8	16.2





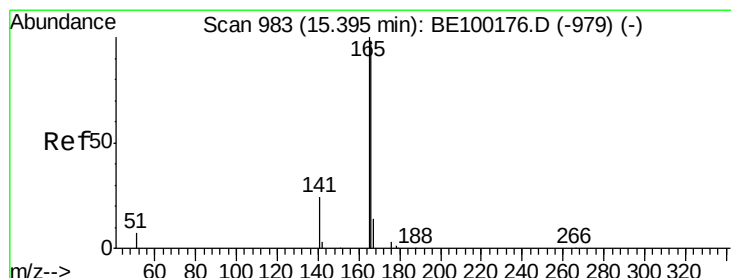
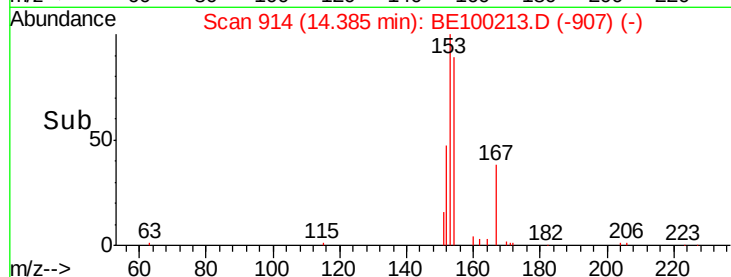
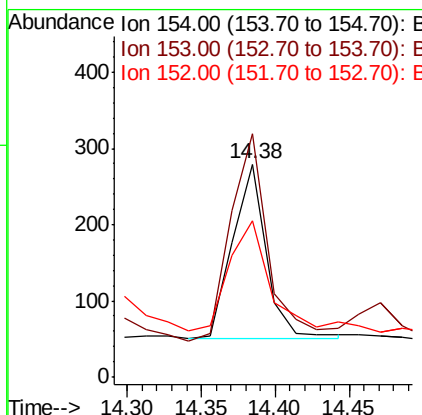
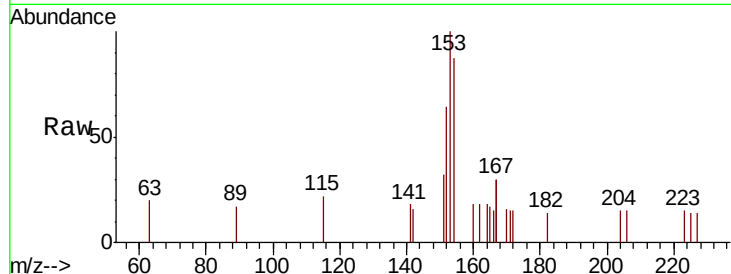
#17
Acenaphthene
Concen: 0.058 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	130.8	95.3	142.9
152	77.4	52.9	79.3

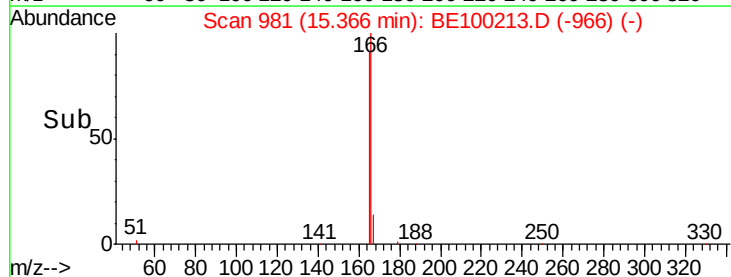
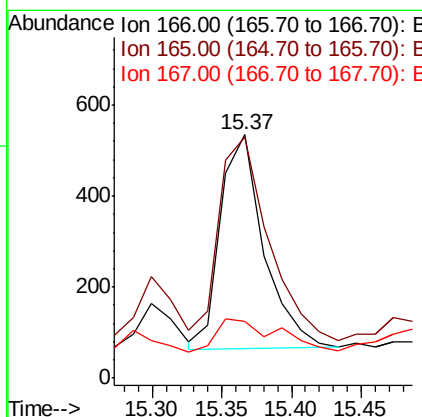
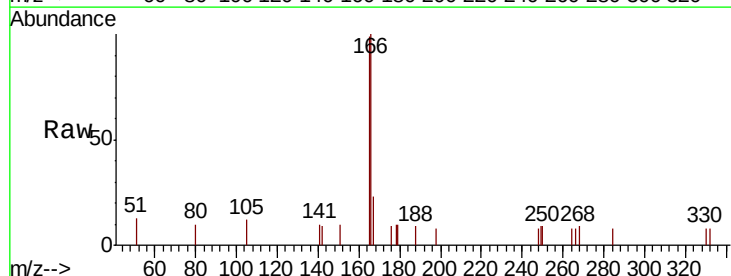
Manual Integrations
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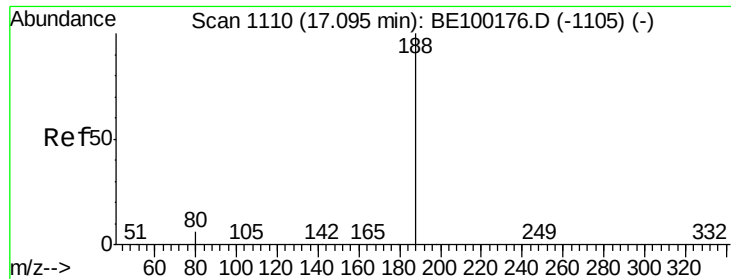
mohammad
7/1/2019 8:12:10 AM



#18
Fluorene
Concen: 0.111 ng
RT: 15.37 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.6	81.0	121.4
167	22.9	11.4	17.0#





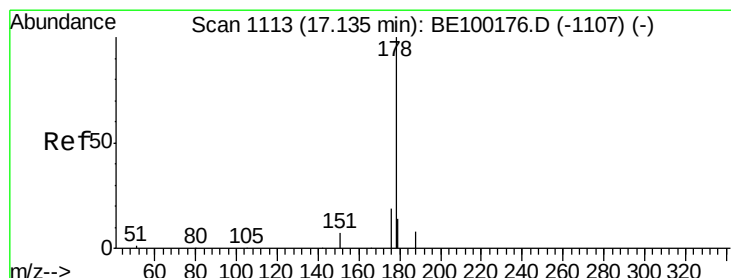
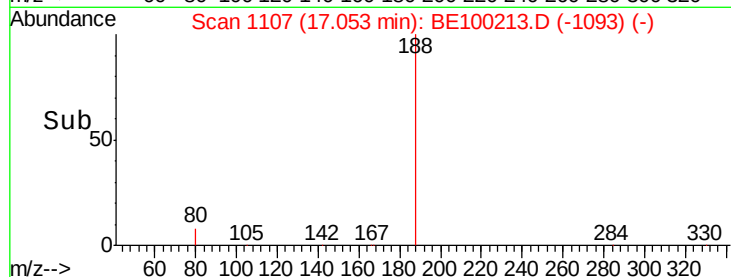
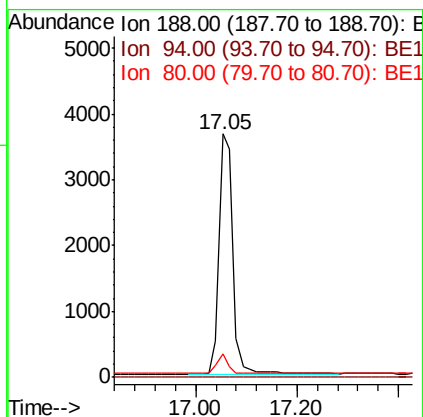
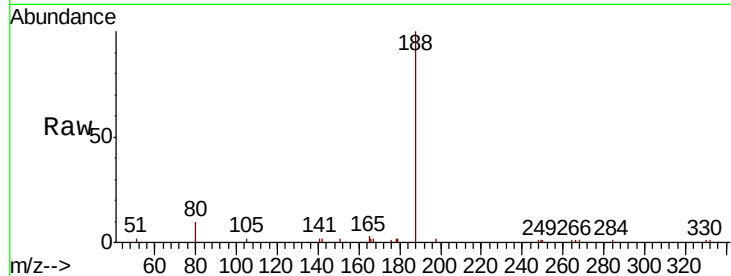
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	9.7	6.4	9.6

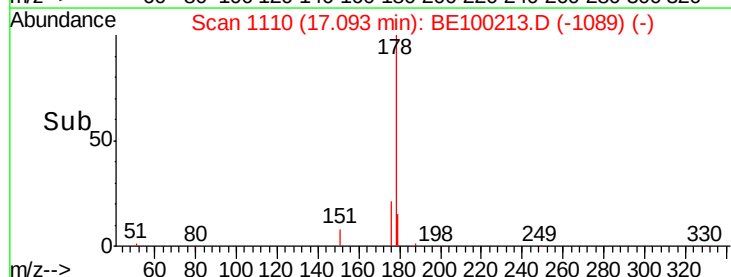
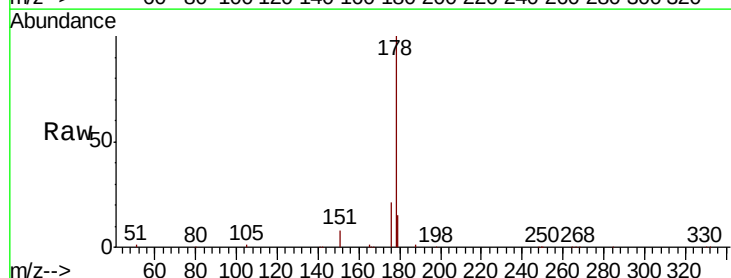
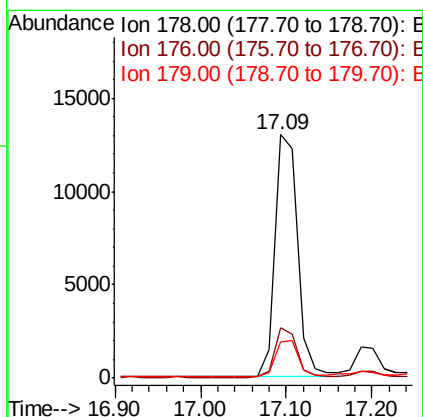
Manual Integrations
APPROVED

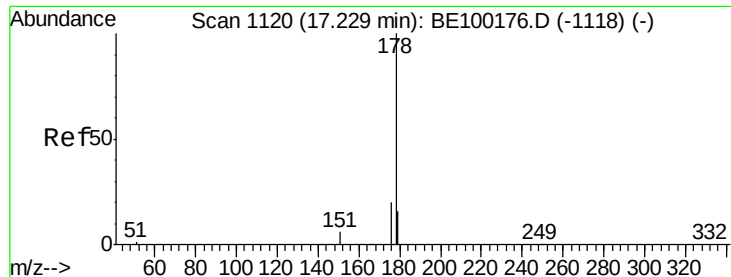
mohammad
7/1/2019 8:12:10 AM



#23
Phenanthrene
Concen: 1.464 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	15.5	23.3
179	15.3	12.2	18.2





#24

Anthracene

Concen: 0.228 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Instrument :

BNA_E

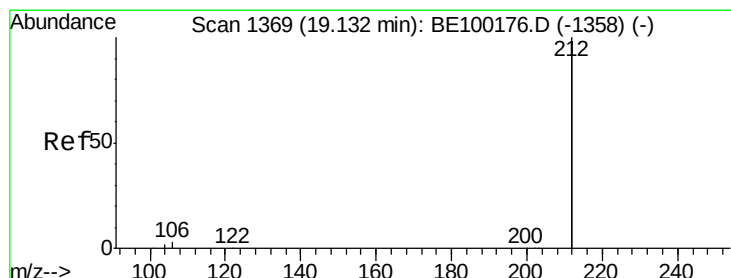
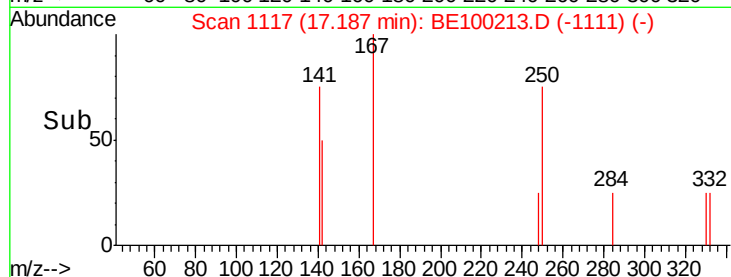
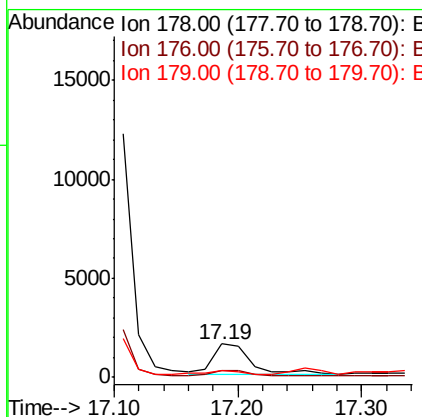
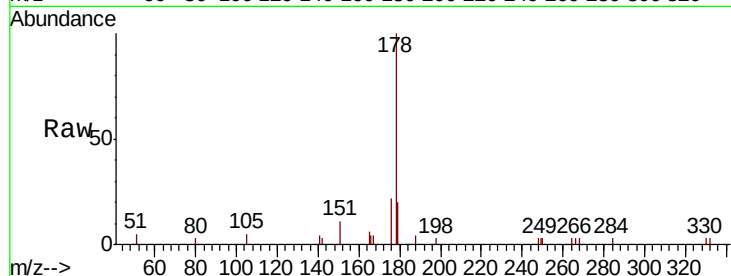
ClientSampleId :

PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	16.0	12.9	19.3

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#25

Fluoranthene-d10

Concen: 0.351 ng

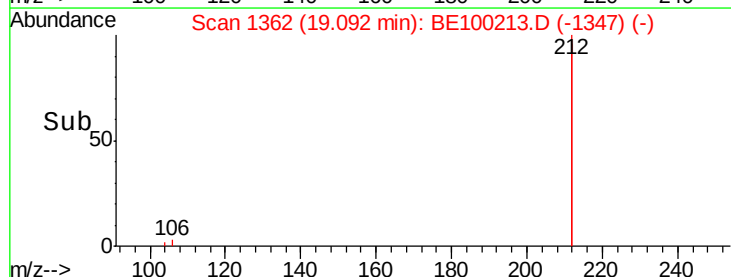
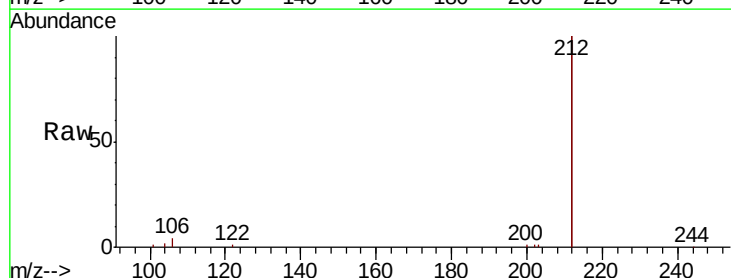
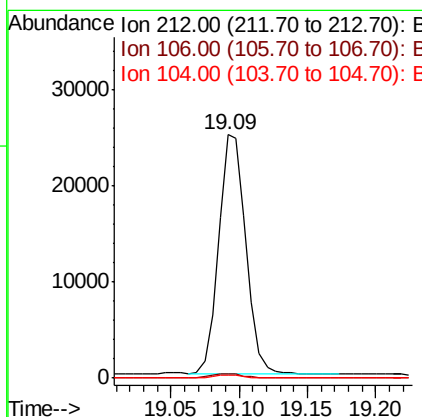
RT: 19.09 min Scan# 1362

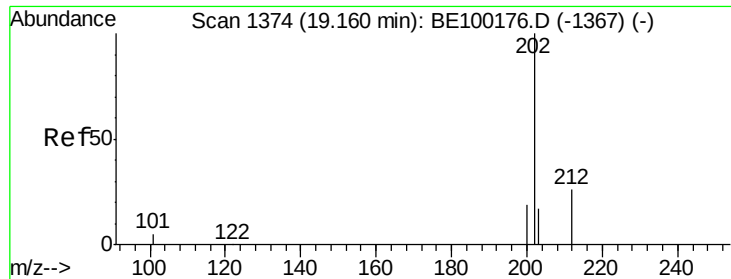
Delta R.T. -0.01 min

Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.0	0.7	1.1





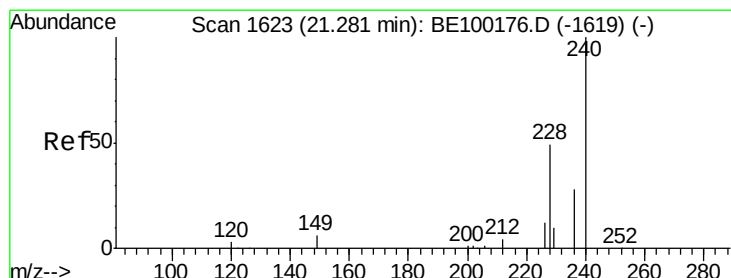
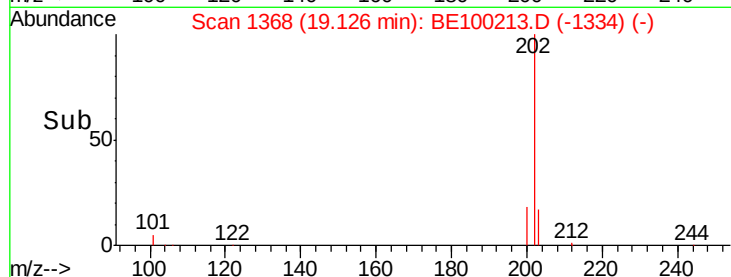
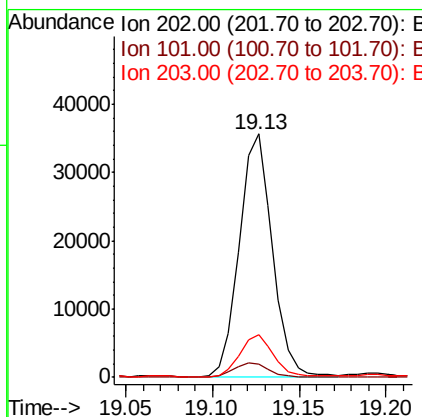
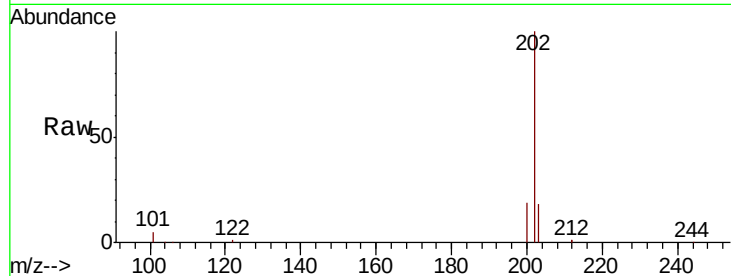
#26
Fluoranthene
Concen: 1.776 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.5	6.7
203	17.3	13.7	20.5

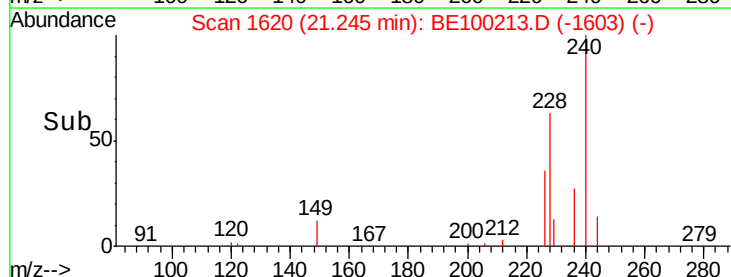
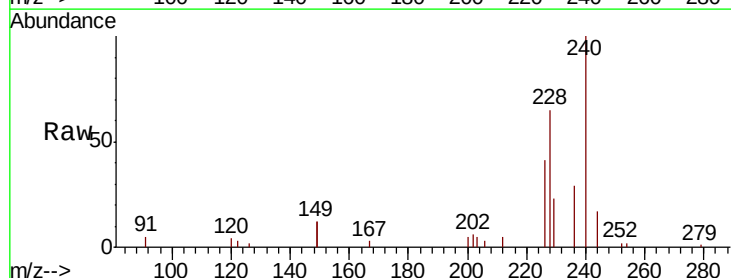
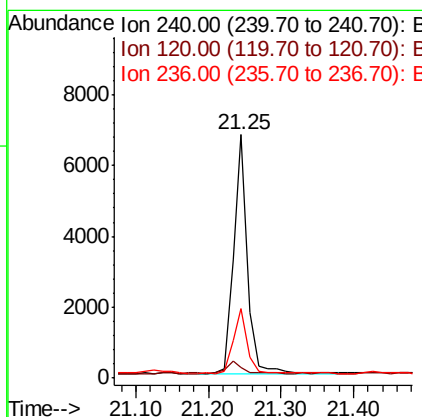
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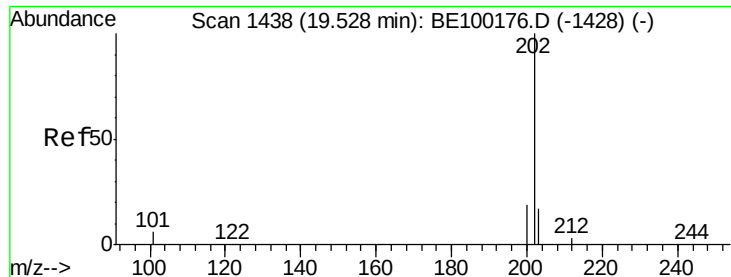
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	4.1	6.1
236	28.6	23.0	34.6





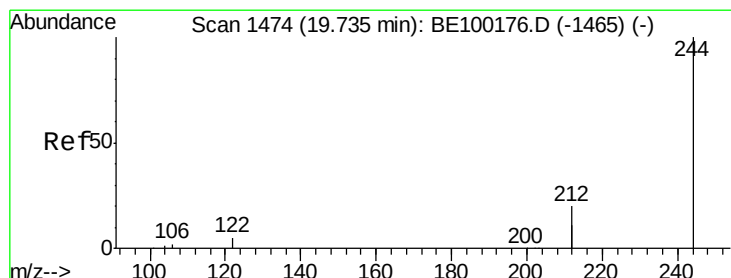
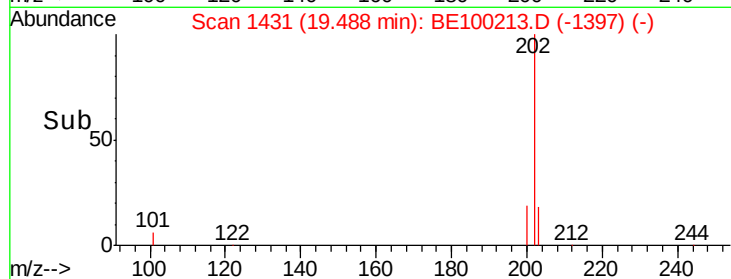
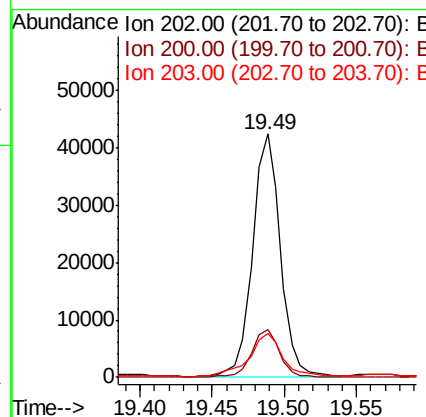
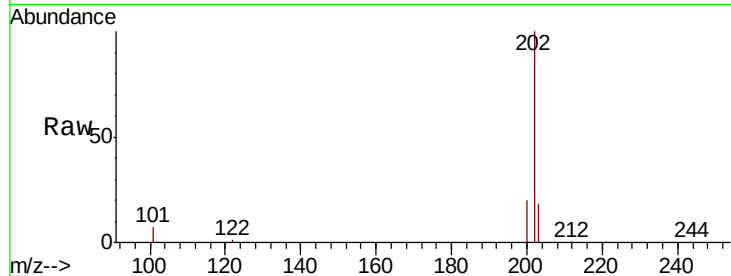
#28
Pvrene
Concen: 2.429 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.5	23.3
203	20.7	13.9	20.9

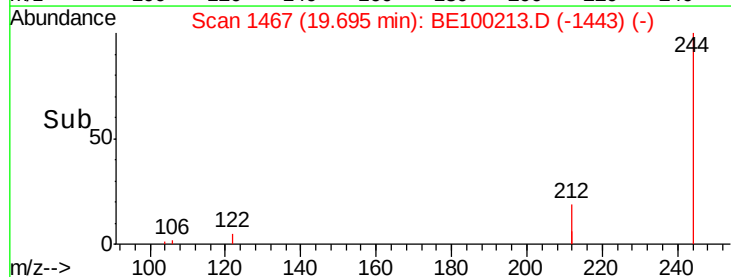
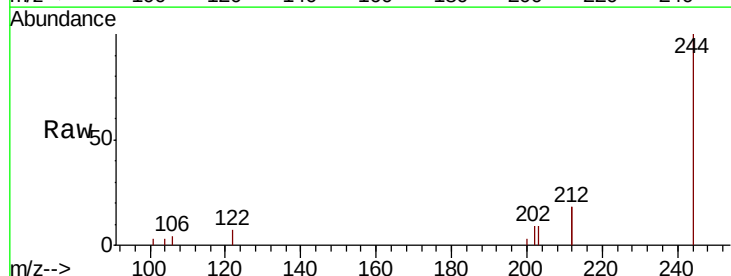
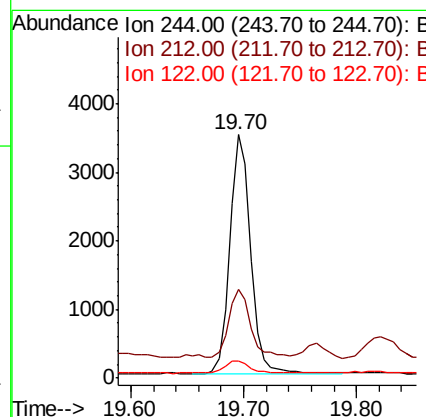
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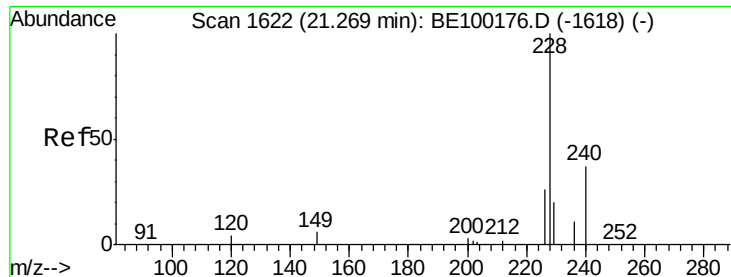
mohammad
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#29
Terphenyl-d14
Concen: 0.250 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	36.6	30.7	46.1
122	7.2	5.8	8.6





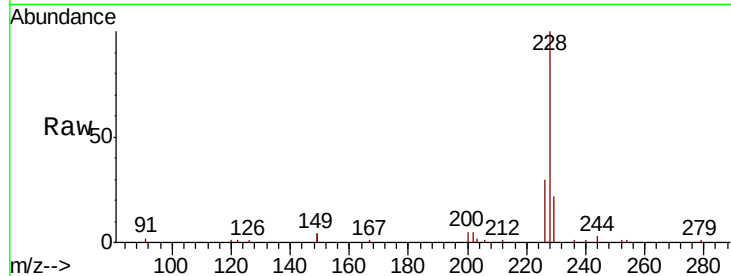
#30
Benzo(a)anthracene
Concen: 1.192 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.5	32.3
229	22.0	17.2	25.8

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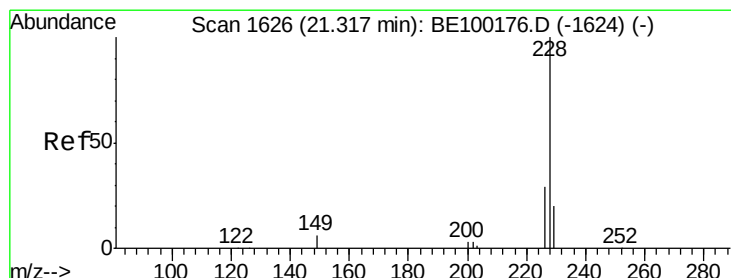
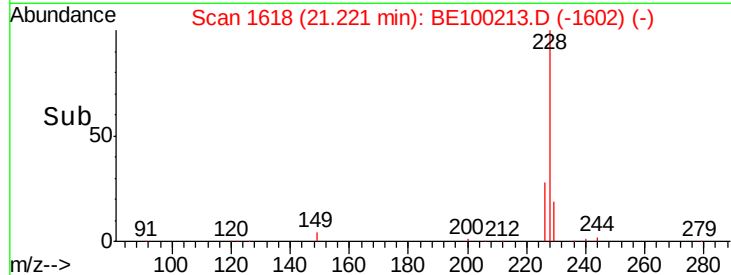
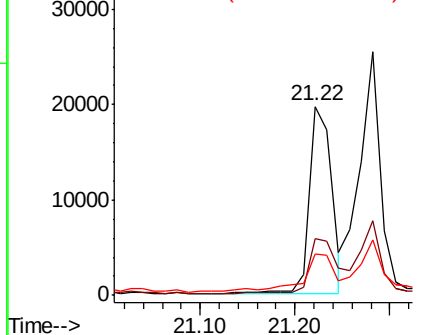


Abundance

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



#31
Chrysene
Concen: 1.214 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

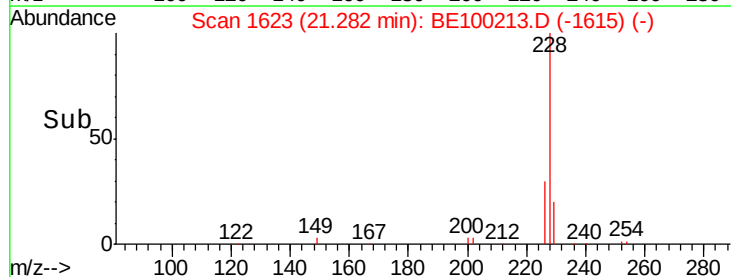
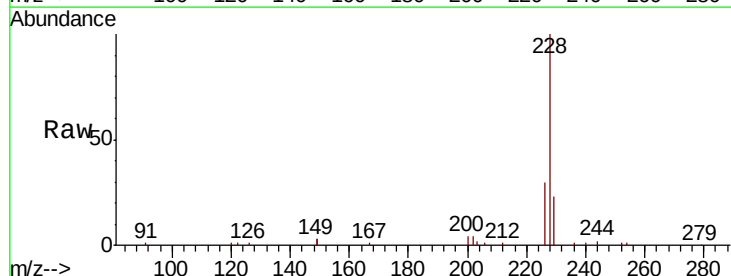
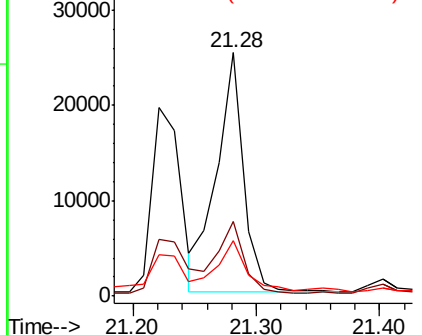
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	22.9	16.5	24.7

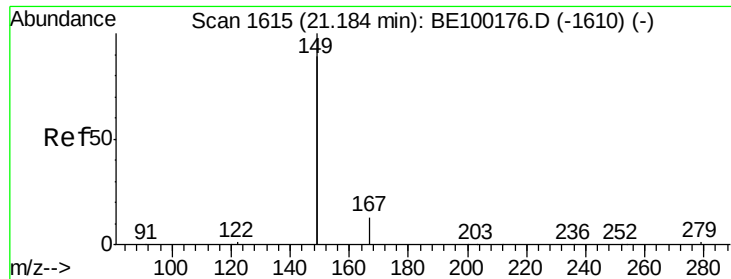
Abundance

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: 0.261 ng

RT: 21.15 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Instrument :

BNA_E

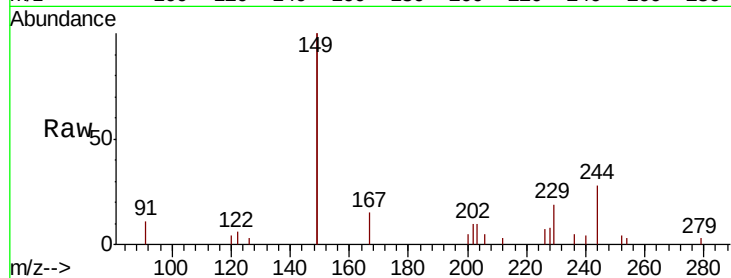
ClientSampleId :

PST-084-B043-061319

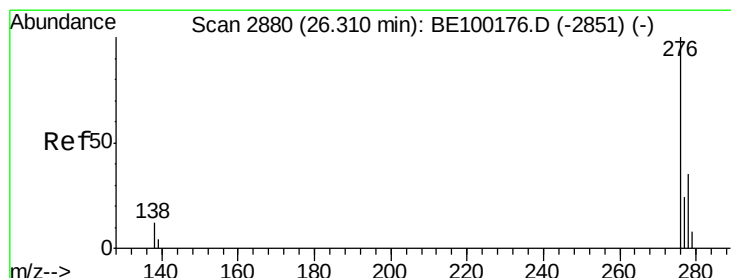
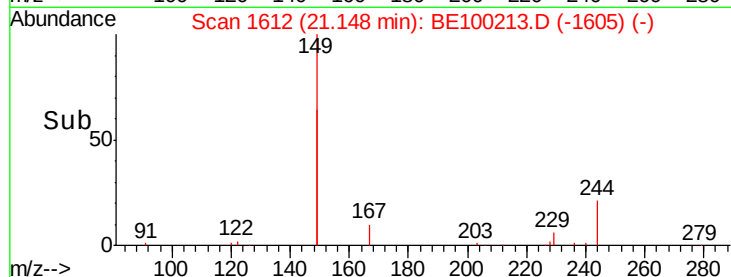
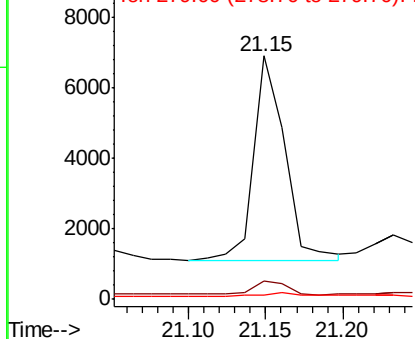
Tot Ion:	149	Resp:	8089
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.9	8.9
279	1.8	1.0	1.6#

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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: 0.421 ng

RT: 26.22 min Scan# 2854

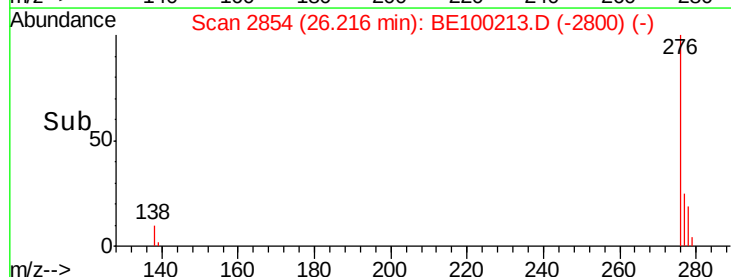
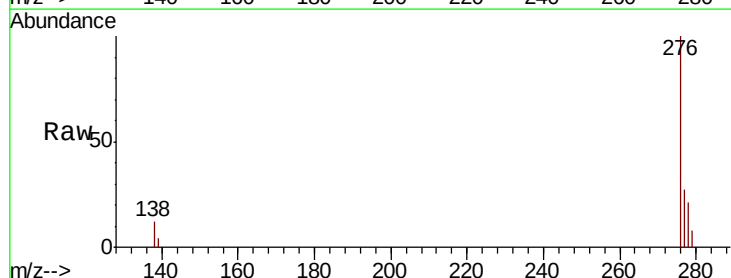
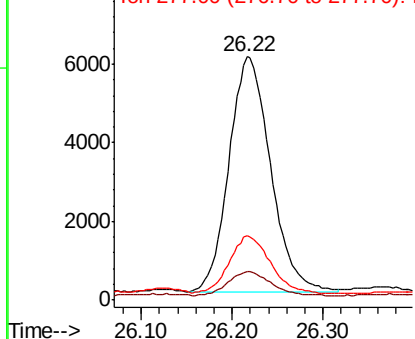
Delta R.T. -0.01 min

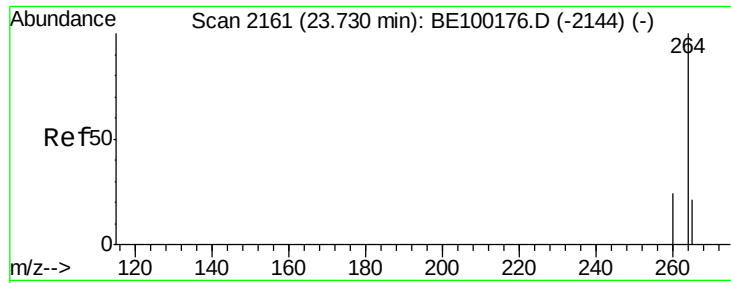
Lab File: BE100213.D

Acq: 27 Jun 2019 20:16

Tgt Ion:	276	Resp:	18953
Ion Ratio	Lower	Upper	
276	100		
138	10.5	3.7	5.5#
277	24.2	18.7	28.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





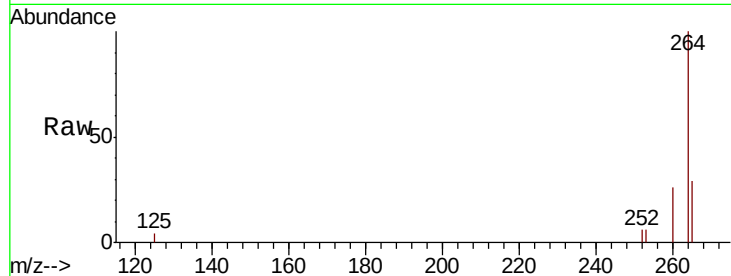
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.4	30.6
265	28.7	22.5	33.7

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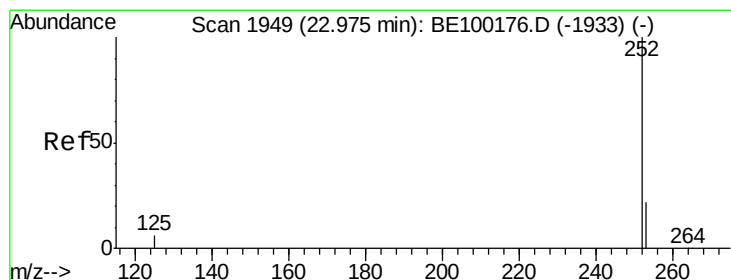
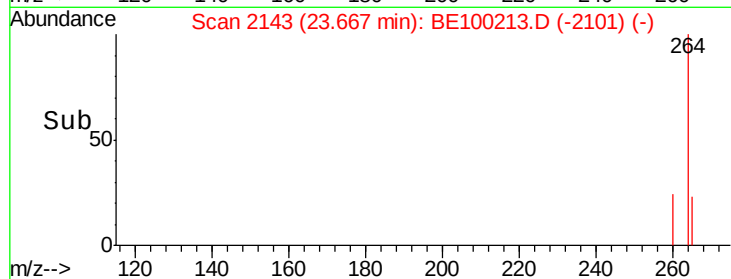
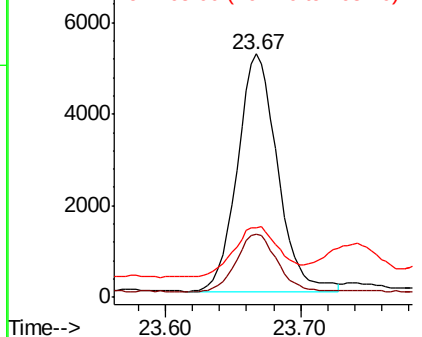


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 1.356 ng
RT: 22.92 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

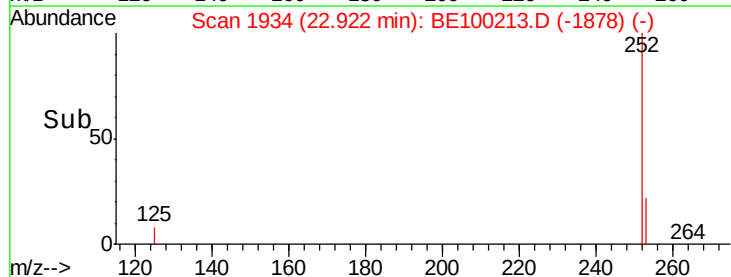
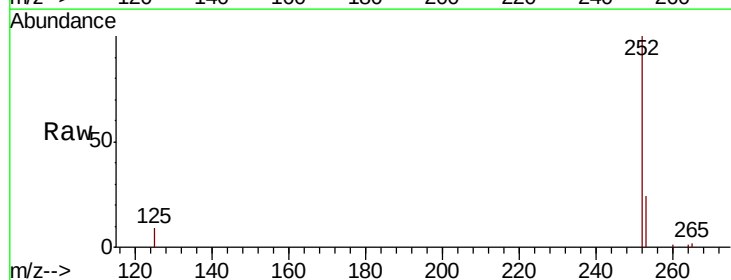
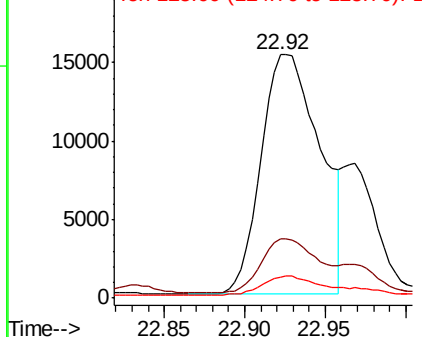
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.4
125	8.8	6.3	9.5

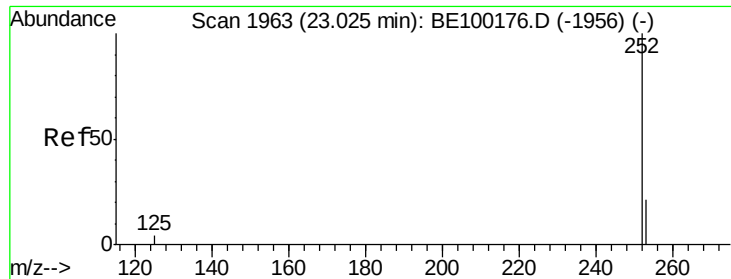
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





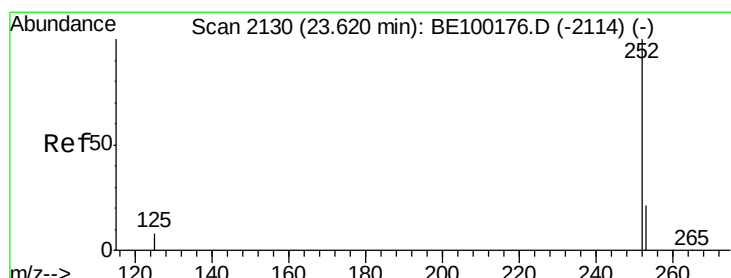
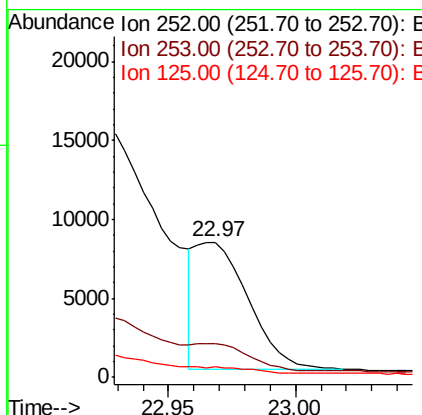
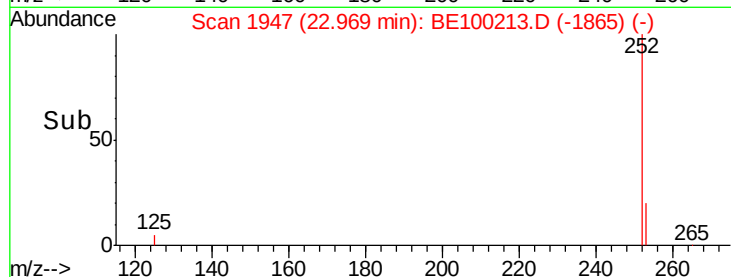
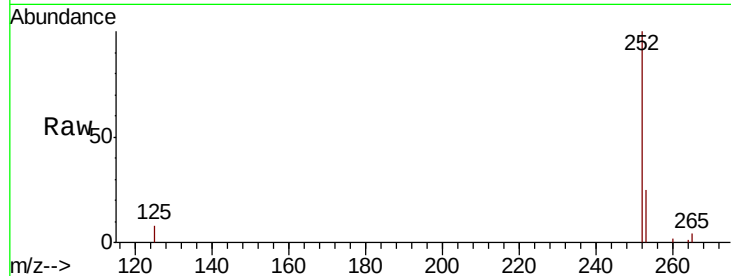
#36
Benzo(k)fluoranthene
Concen: 0.337 ng m
RT: 22.97 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	7.7	5.0	7.4

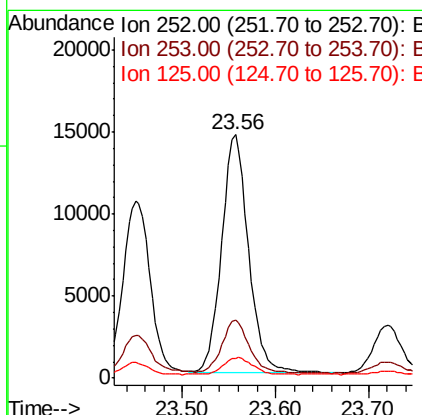
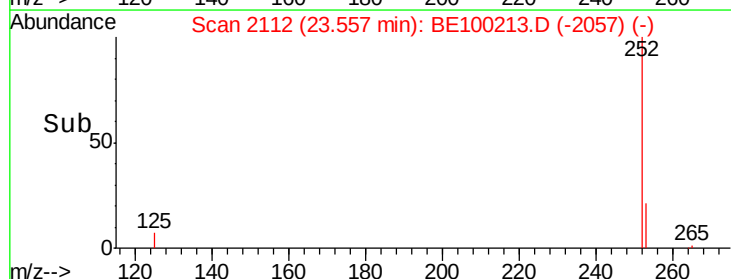
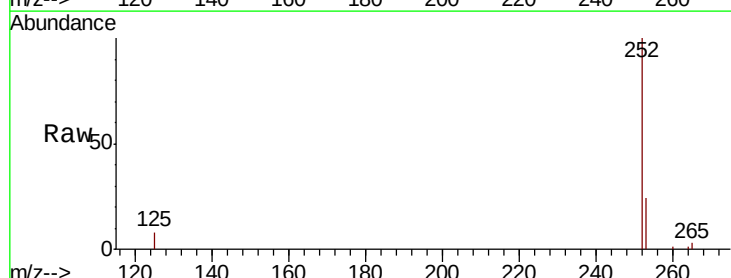
Manual Integrations
APPROVED

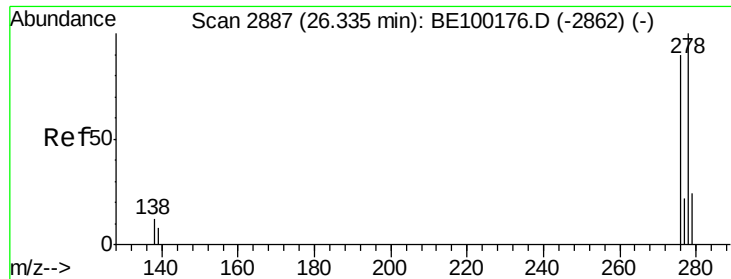
mohammad
7/1/2019 8:12:10 AM



#37
Benzo(a)pyrene
Concen: 0.975 ng
RT: 23.56 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.2	28.8
125	8.3	8.2	12.2





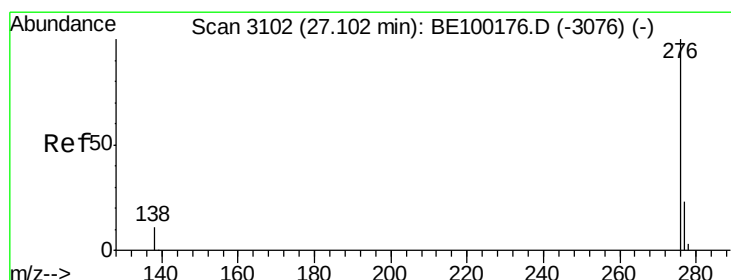
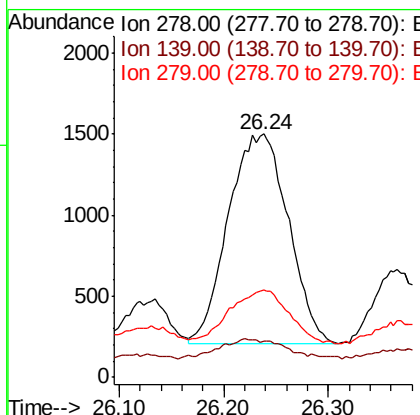
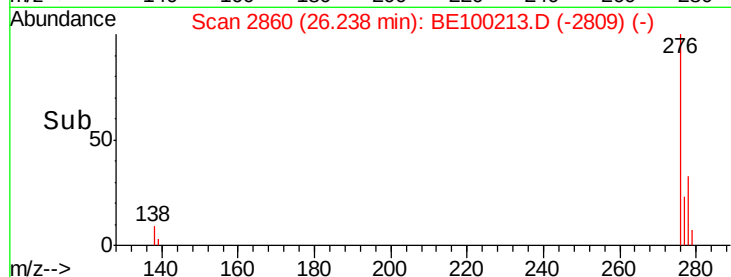
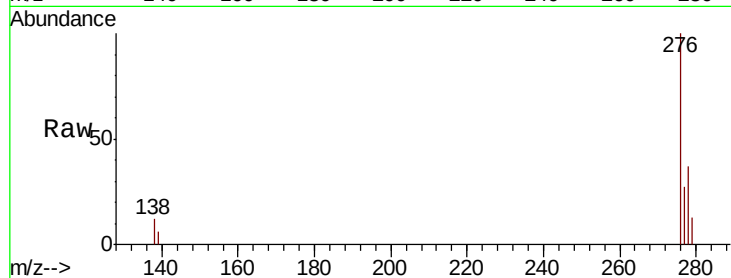
#38
Dibenzo(a,h)anthracene
Concen: 0.161 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.02 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Instrument :
BNA_E
ClientSampleId :
PST-084-B043-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	9.0	13.4#
279	35.8	21.1	31.7#

Manual Integrations
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mohammad
7/1/2019 8:12:10 AM



#39
Benzo(g,h,i)perylene
Concen: 0.608 ng
RT: 27.01 min Scan# 3076
Delta R.T. -0.01 min
Lab File: BE100213.D
Acq: 27 Jun 2019 20:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.8	29.6
138	12.0	10.2	15.4

