

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100330.D
 Acq On : 3 Jul 2019 15:58
 Operator : JU/SJ
 Sample : K3446-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-008-B254-061819DL

Manual Integrations
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mohammad
 7/5/2019 8:53:53 AM

Quant Time: Jul 04 01:18:08 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	511	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	1953	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1629	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	4905	0.40	ng	0.00
27) Chrysene-d12	21.24	240	6369	0.40	ng	0.00
34) Perylene-d12	23.67	264	7449	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	59	0.05	ng	-0.01
5) Phenol-d6	6.87	99	73	0.04	ng	0.03
8) Nitrobenzene-d5	8.83	82	80	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	278	0.08	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	80	0.07	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	400	0.06	ng	0.00
25) Fluoranthene-d10	19.09	212	5372	0.08	ng	0.00
29) Terphenyl-d14	19.69	244	2508	0.19	ng	-0.01
Target Compounds						
9) Naphthalene	10.48	128	5171	0.240	ng	Qvalue # 97
12) 2-Methylnaphthalene	12.12	142	647	0.171	ng	95
16) Acenaphthylene	14.04	152	4753	0.608	ng	98
17) Acenaphthene	14.37	154	1282	0.289	ng	99
18) Fluorene	15.35	166	3112	0.475	ng	94
23) Phenanthrene	17.09	178	64517	5.427	ng	100
24) Anthracene	17.19	178	13681	1.278	ng	97
26) Fluoranthene	19.12	202	144555	7.634	ng	99
28) Pyrene	19.48	202	132015	7.829	ng	96
30) Benzo(a)anthracene	21.22	228	84756	4.047	ng	98
31) Chrysene	21.28	228	85221	4.053	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	110764	3.685	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	47888	1.722	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	98498m	4.877	ng	
36) Benzo(k)fluoranthene	22.97	252	34648m	1.537	ng	
37) Benzo(a)pyrene	23.56	252	66546m	3.288	ng	
38) Dibenzo(a,h)anthracene	26.23	278	12114	0.573	ng	# 90
39) Benzo(a,h,i)perylene	27.01	276	48223	2.221	ng	99

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

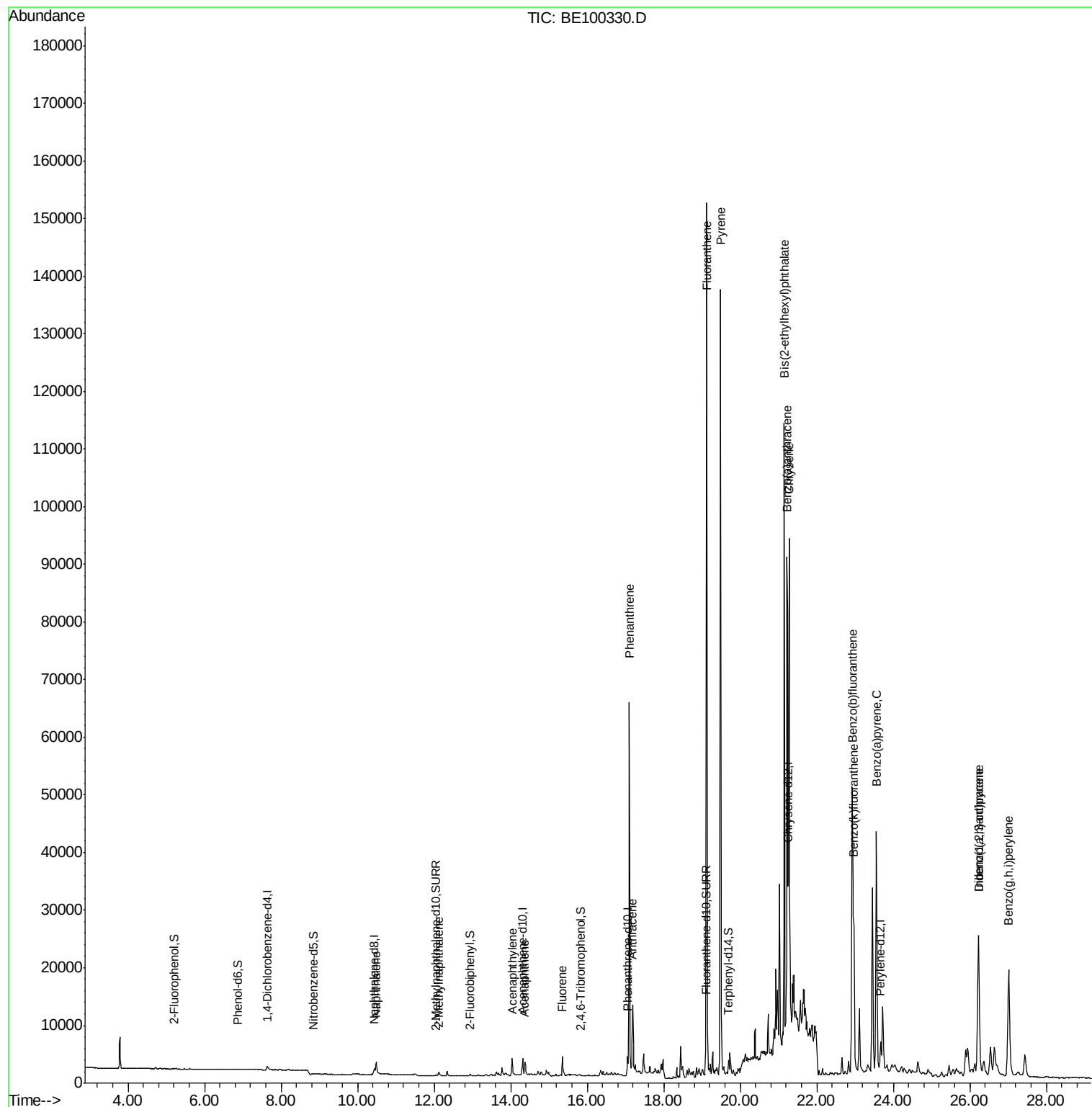
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
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ALS Vial : 9 Sample Multiplier: 1

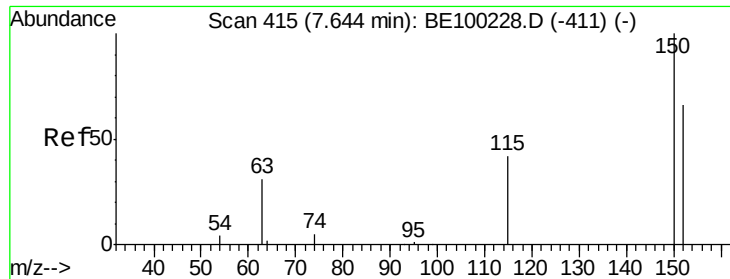
Instrument :
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PST-008-B254-061819DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

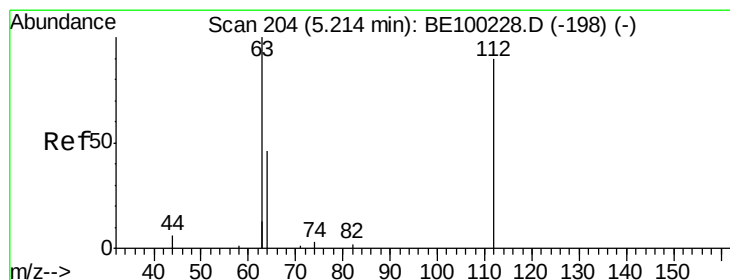
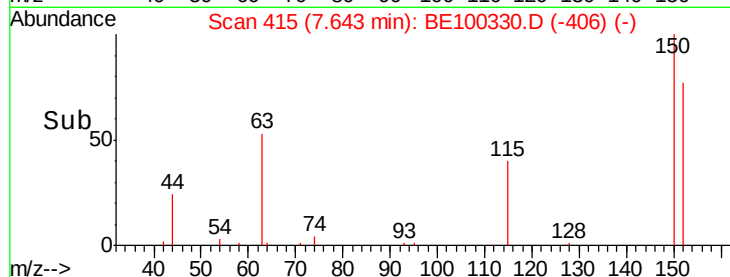
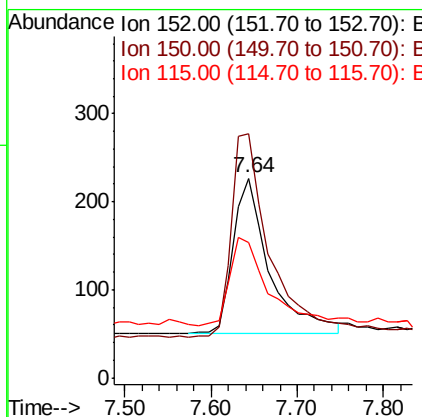
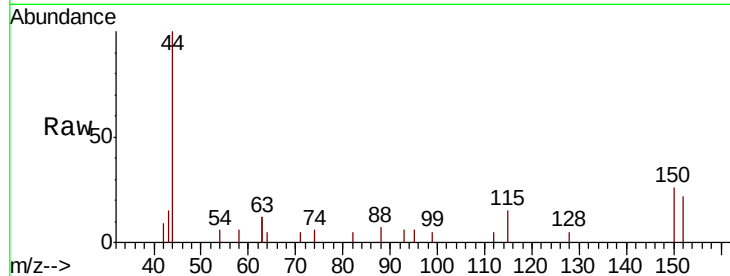
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	122.0	114.5	171.7
115	67.8	57.1	85.7

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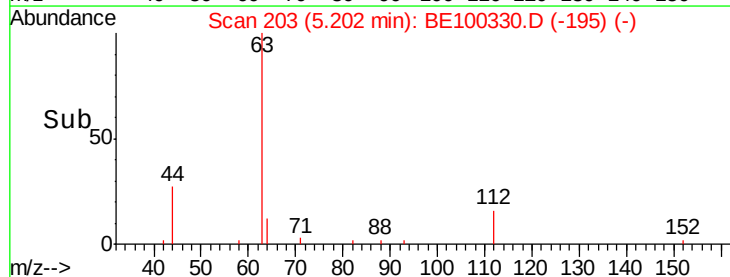
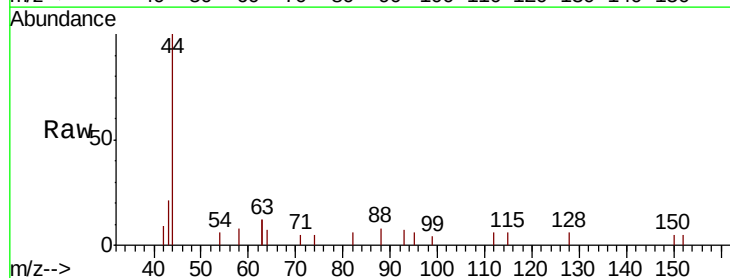
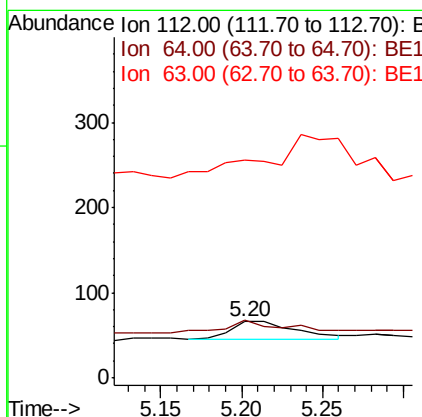
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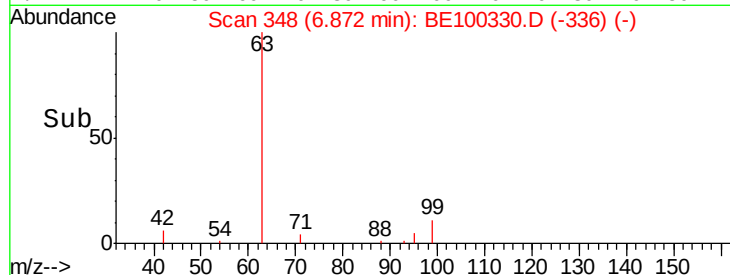
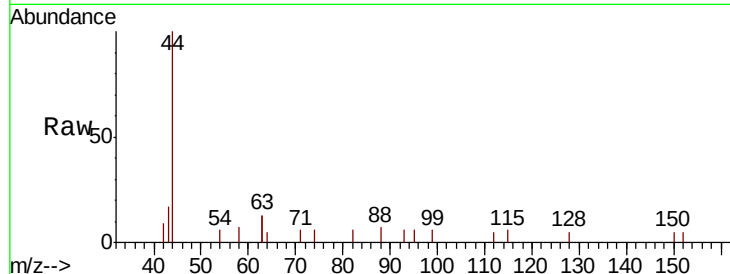
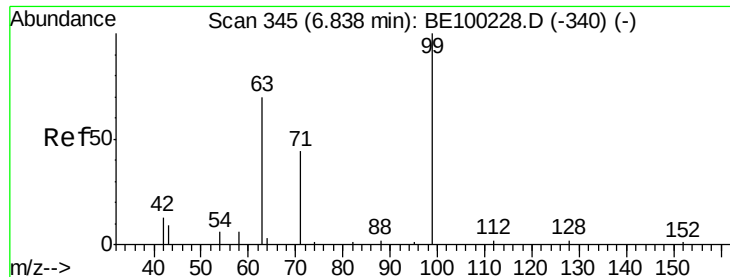


#4

2-Fluorophenol
Concen: 0.045 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	39.4	59.0#
63	0.0	104.5	156.7#





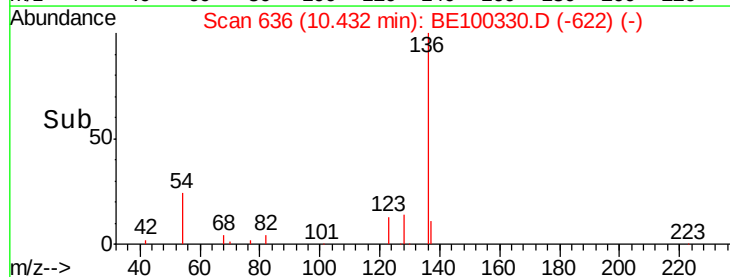
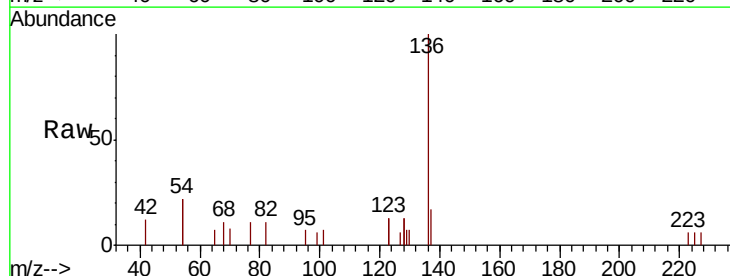
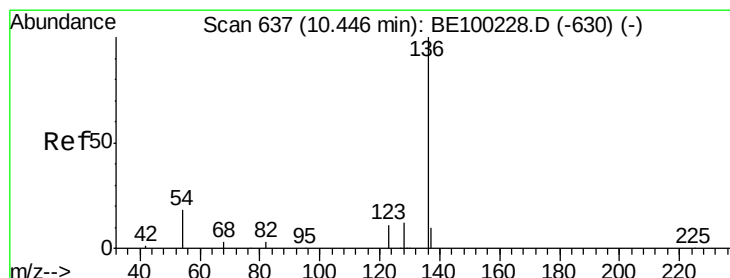
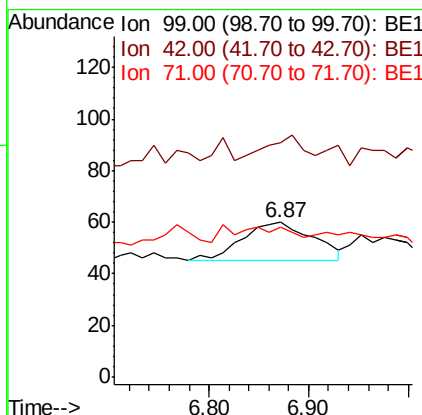
#5
Phenol-d6
Concen: 0.043 ng
RT: 6.87 min Scan# 348
Delta R.T. 0.03 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion:	99	Resp:	73
Ion	Ratio	Lower	Upper
99	100		
42	28.8	11.2	16.8#
71	0.0	37.2	55.8#

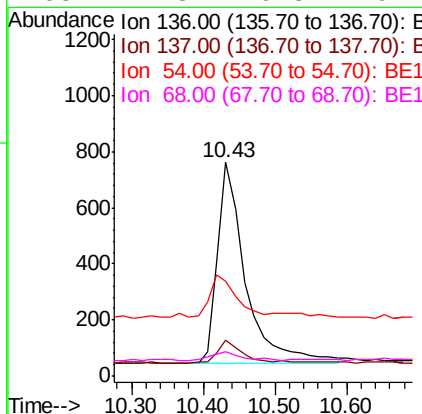
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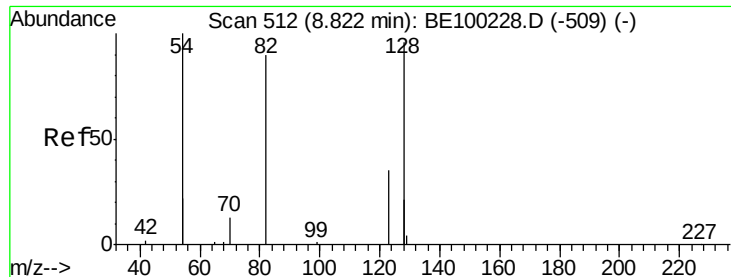
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion:	136	Resp:	1953
Ion	Ratio	Lower	Upper
136	100		
137	16.5	11.8	17.8
54	44.4	27.7	41.5#
68	11.3	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.041 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Instrument :

BNA_E

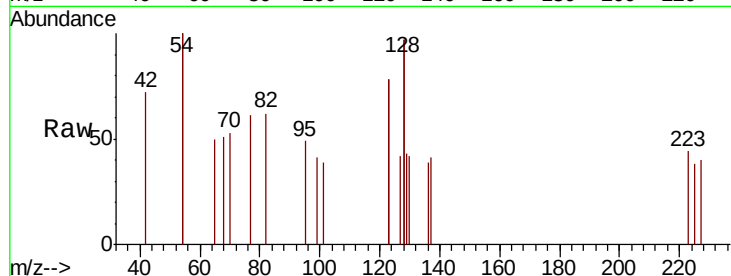
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PST-008-B254-061819DL

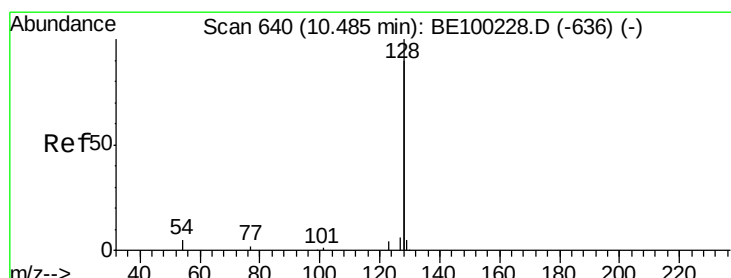
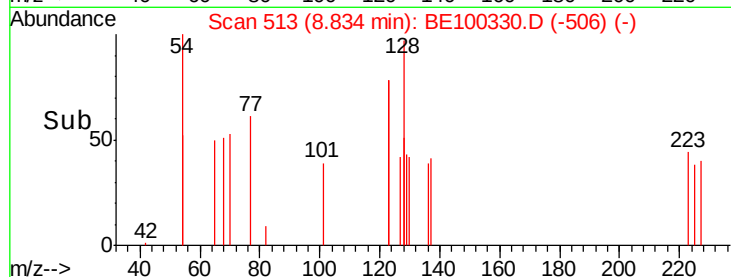
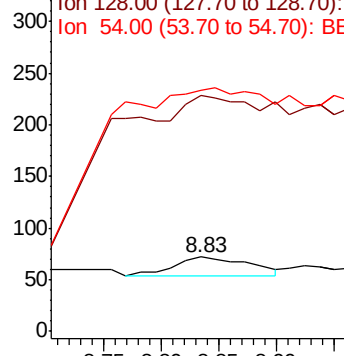
Tot Ion:	82	Resp:	80
Ion	Ratio	Lower	Upper
82	100		
128	316.7	140.9	211.3#
54	325.0	146.2	219.2#

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



#9

Naphthalene

Concen: 0.240 ng

RT: 10.48 min Scan# 640

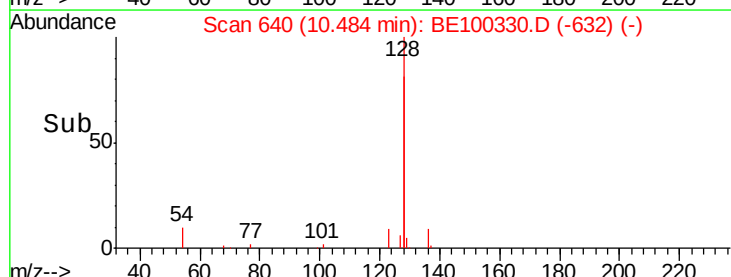
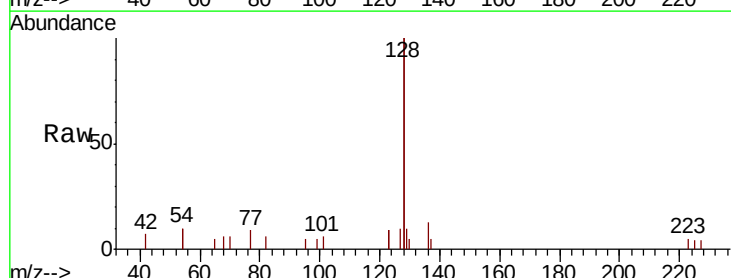
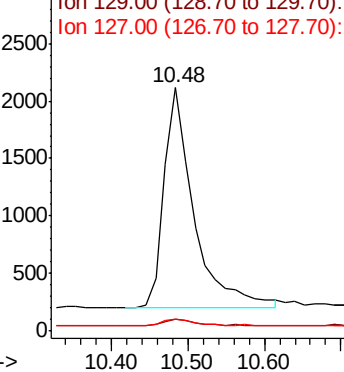
Delta R.T. -0.00 min

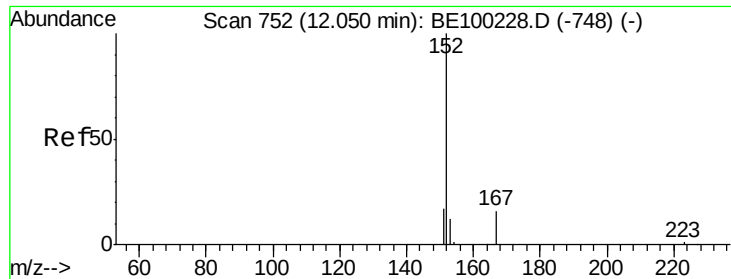
Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Tgt Ion:	128	Resp:	5171
Ion	Ratio	Lower	Upper
128	100		
129	4.8	3.0	4.6#
127	5.2	3.5	5.3

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





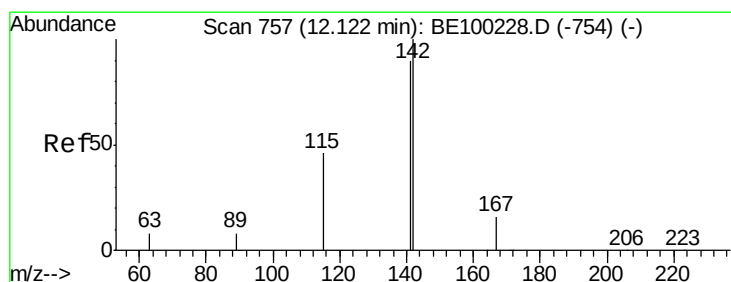
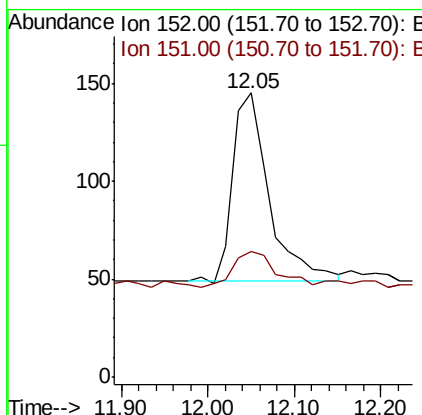
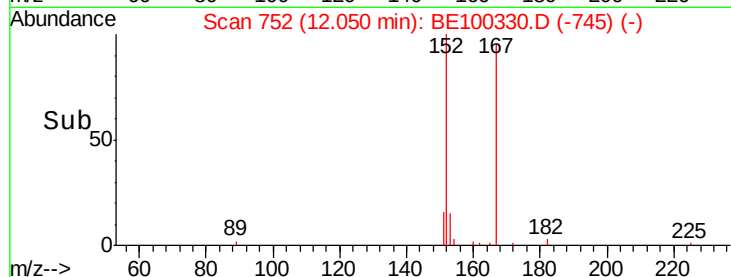
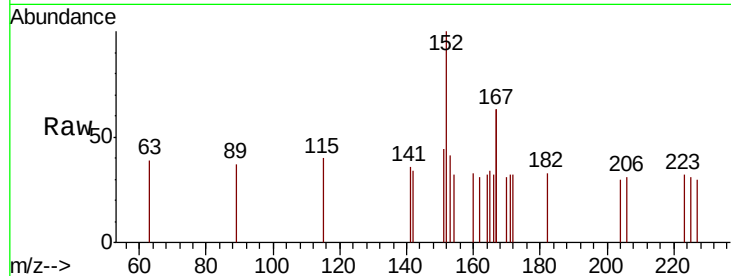
#11
2-Methylnaphthalene-d10
Concen: 0.076 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion:152 Resp: 278
Ion Ratio Lower Upper
152 100
151 22.3 15.1 22.7

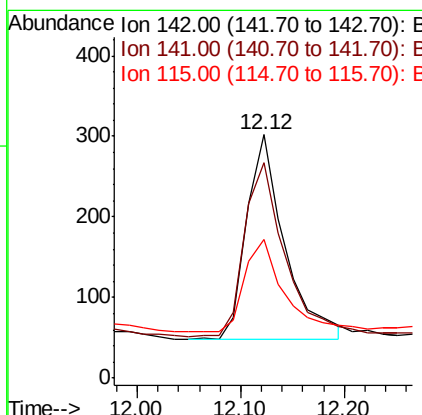
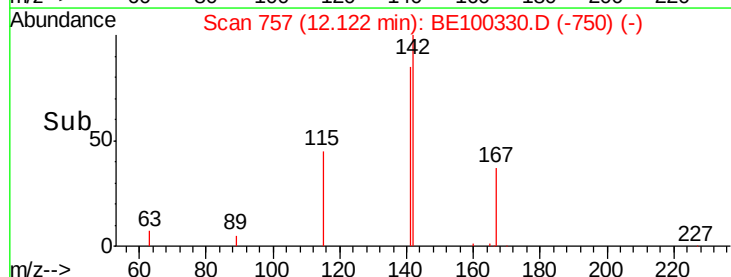
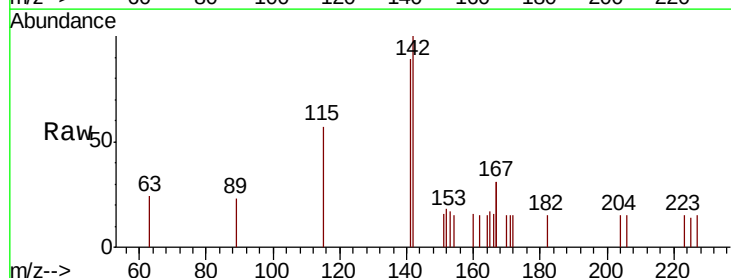
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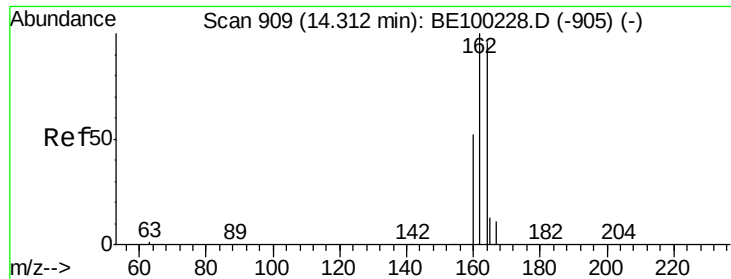
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#12
2-Methylnaphthalene
Concen: 0.171 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion:142 Resp: 647
Ion Ratio Lower Upper
142 100
141 88.7 72.4 108.6
115 57.0 40.4 60.6





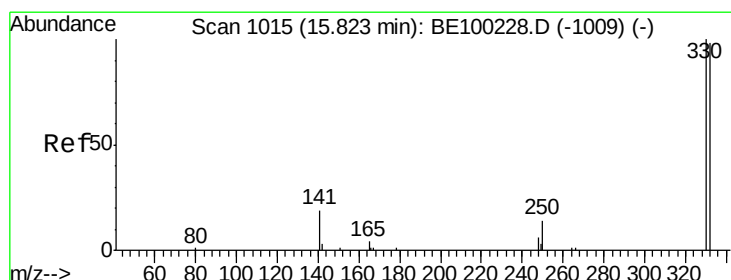
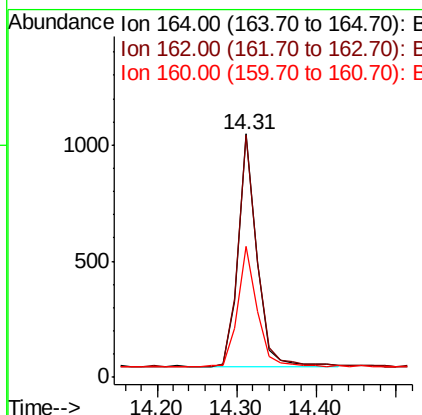
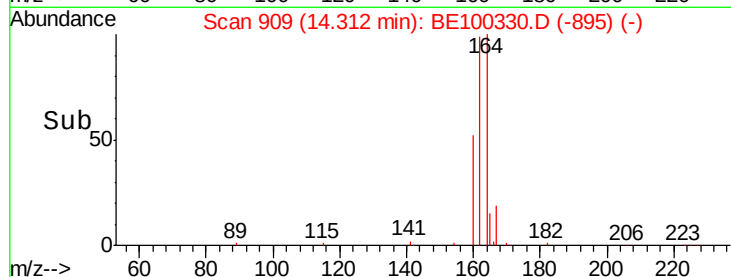
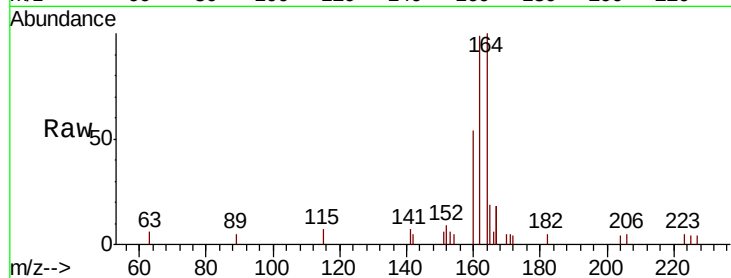
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	83.4	125.0
160	53.7	45.0	67.6

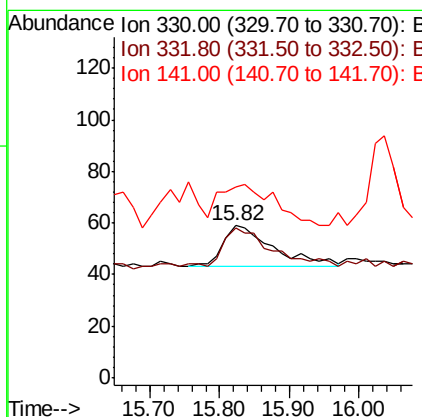
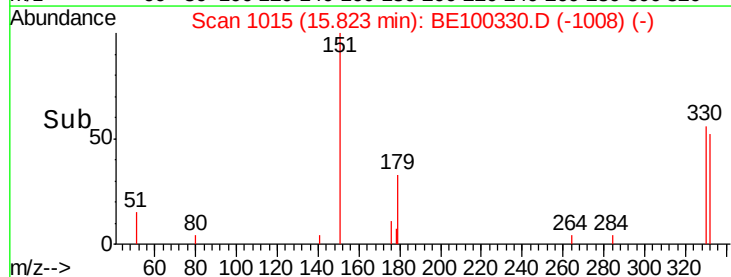
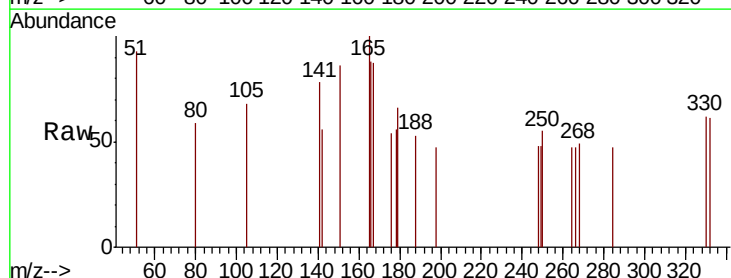
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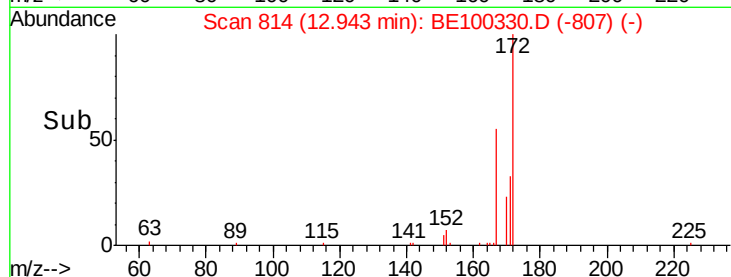
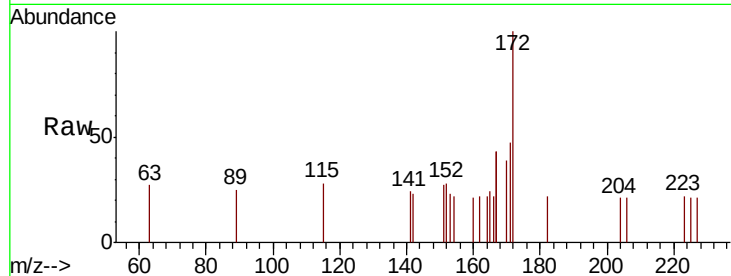
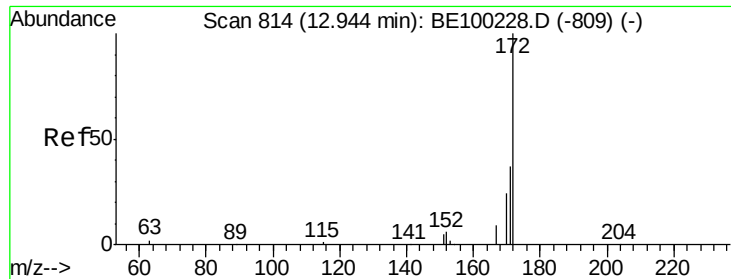
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#14
2,4,6-Tribromophenol
Concen: 0.070 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	87.5	77.0	115.4
141	108.7	22.0	33.0#





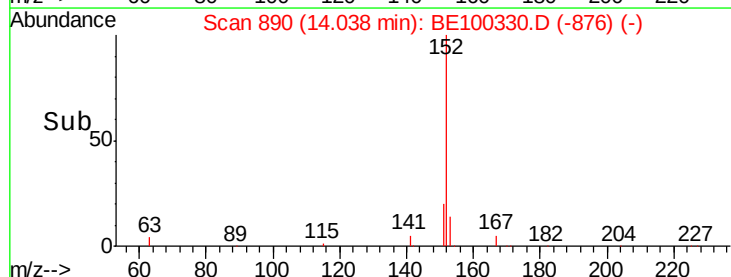
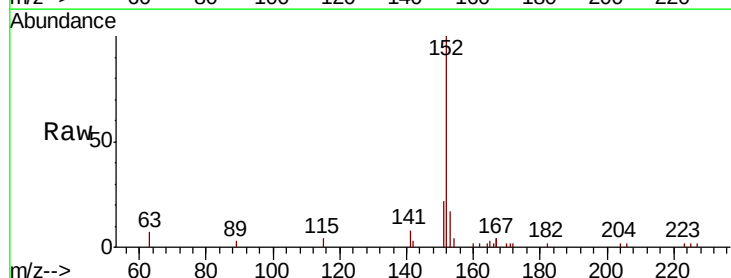
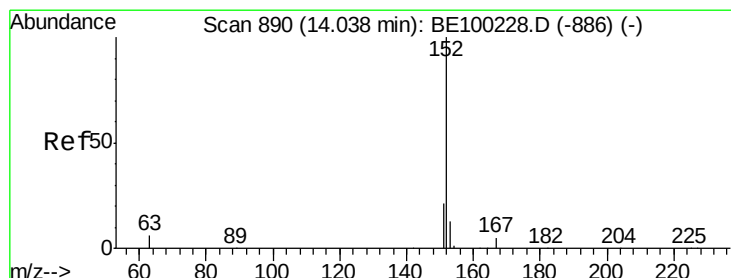
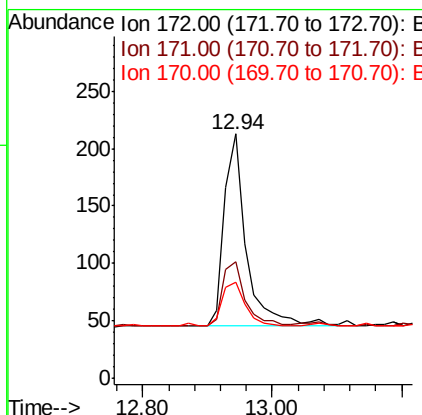
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tot Ion	Ratio	Lower	Upper
172	100		
171	47.4	31.9	47.9
170	39.4	22.2	33.2

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BNA_E
ClientSampleId :
PST-008-B254-061819DL

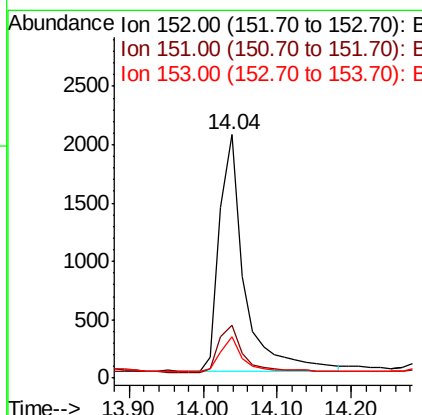
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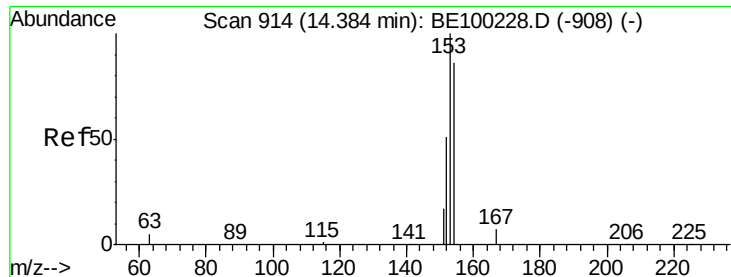
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#16
Acenaphthylene
Concen: 0.608 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0
153	14.2	10.5	15.7





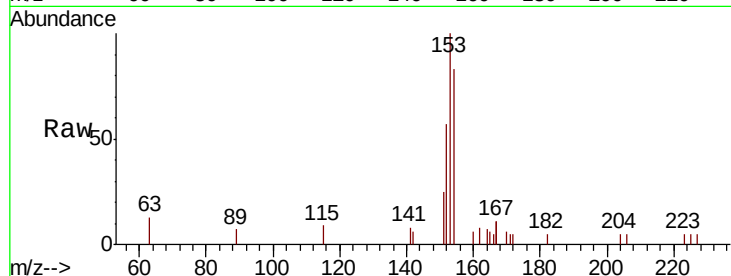
#17
Acenaphthene
Concen: 0.289 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.1	93.4	140.2
152	63.9	49.4	74.2

Manual Integrations
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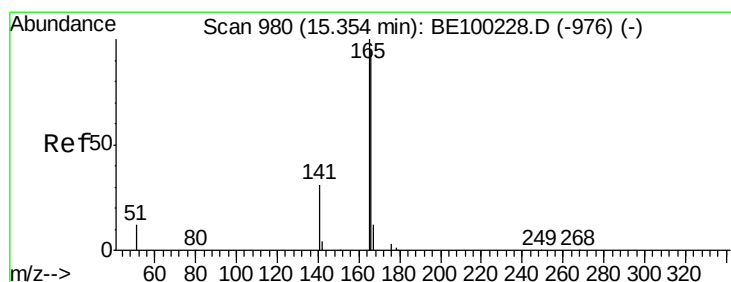
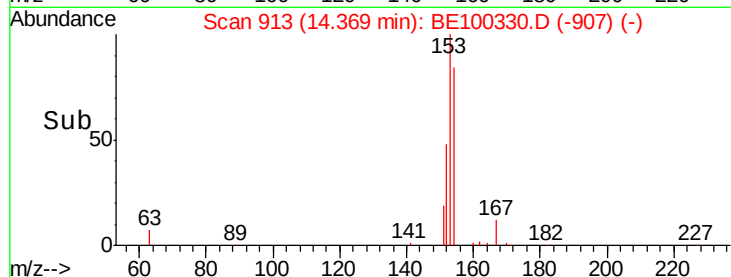
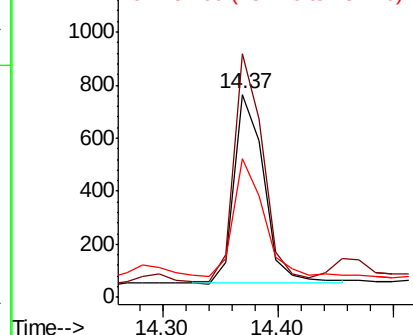


Abundance

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: 0.475 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

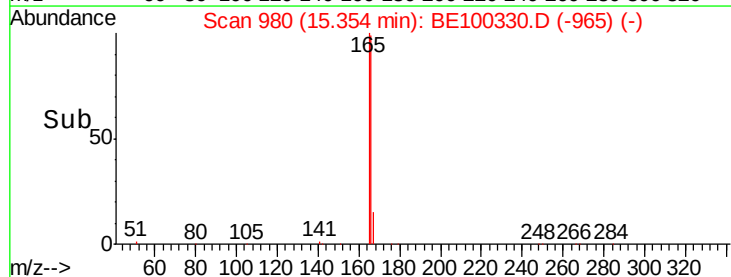
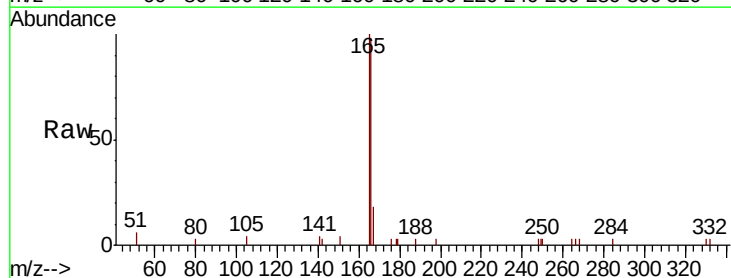
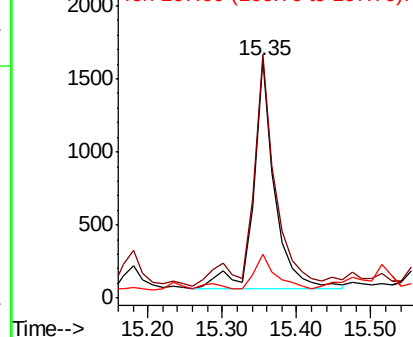
Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.4	81.1	121.7
167	14.6	10.7	16.1

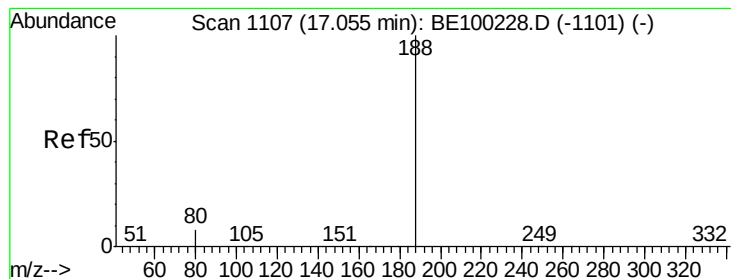
Abundance

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: BE100330.D

Acq: 3 Jul 2019 15:58

Instrument :

BNA_E

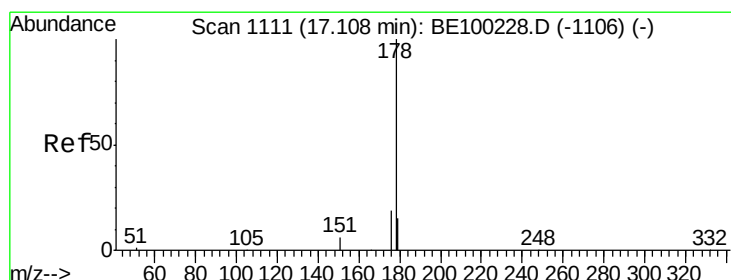
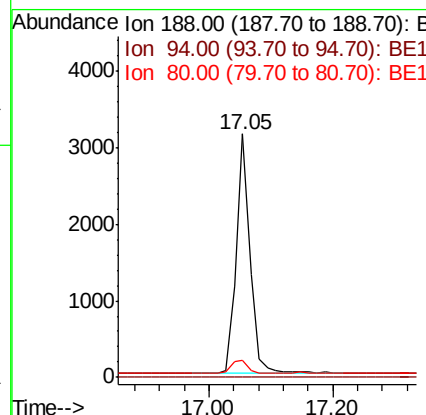
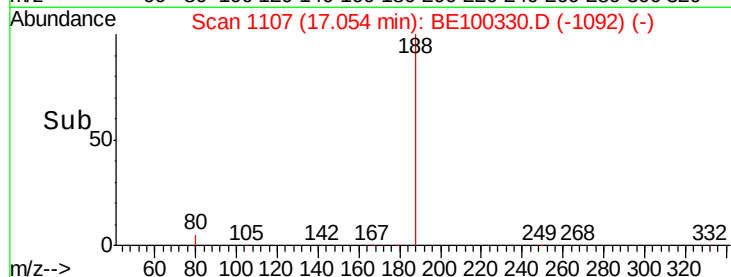
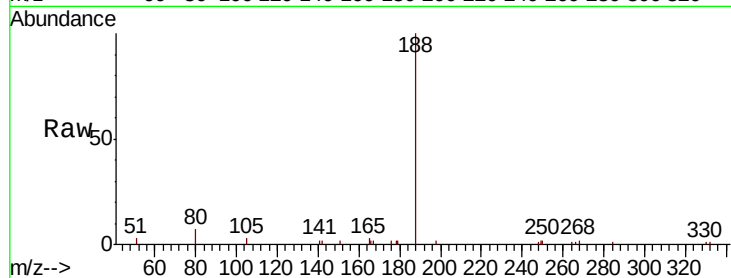
ClientSampleId :

PST-008-B254-061819DL

Tot Ion:	188	Resp:	4905
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.1	7.6	11.4#

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#23

Phenanthrene

Concen: 5.427 ng

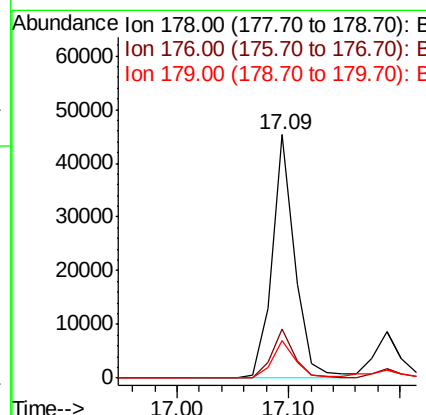
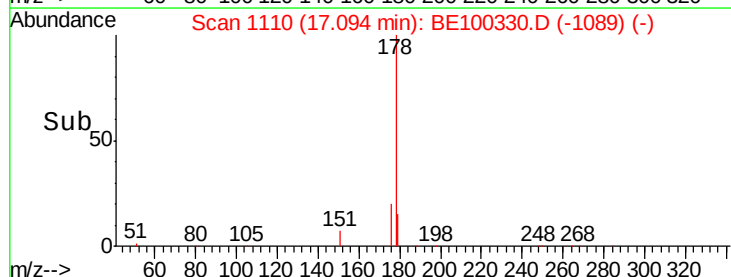
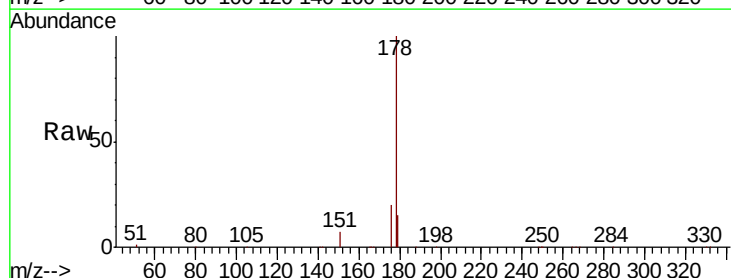
RT: 17.09 min Scan# 1110

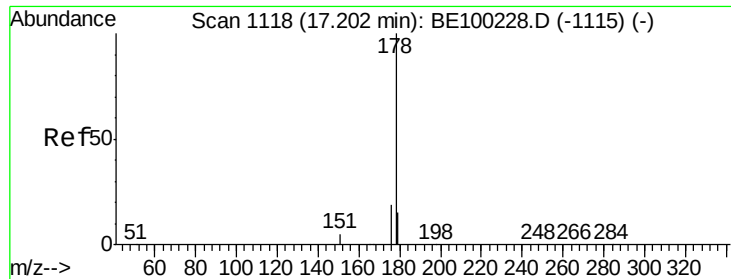
Delta R.T. -0.01 min

Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Tgt Ion:	178	Resp:	64517
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	15.2	12.2	18.2





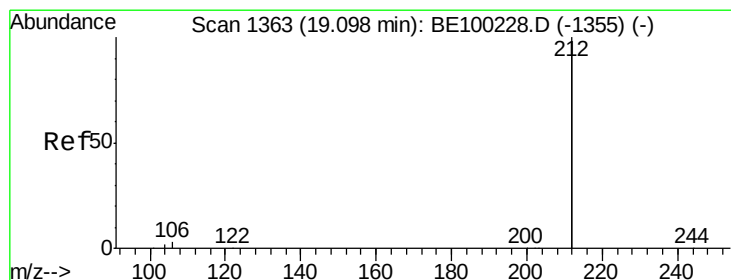
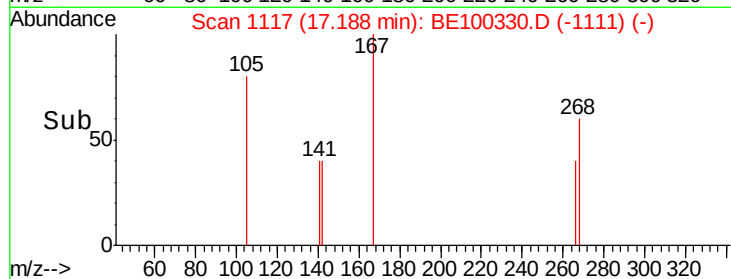
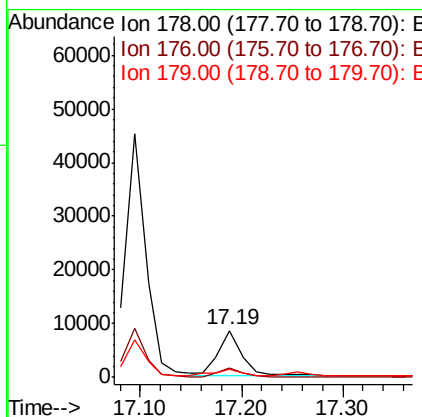
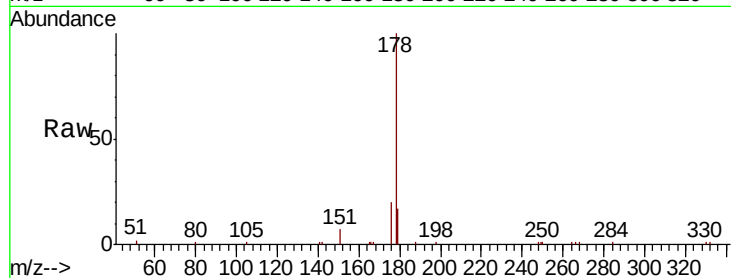
#24
 Anthracene
 Concen: 1.278 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100330.D
 Acq: 3 Jul 2019 15:58

Instrument :
 BNA_E
 ClientSampleId :
 PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	17.1	12.2	18.2

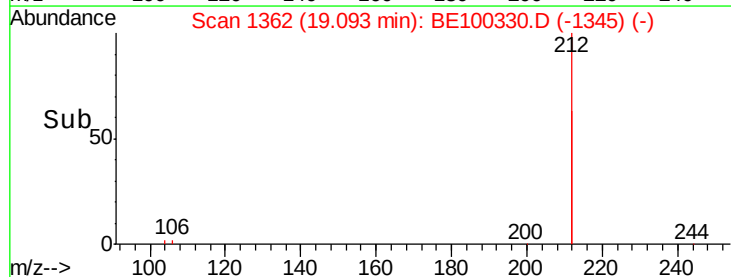
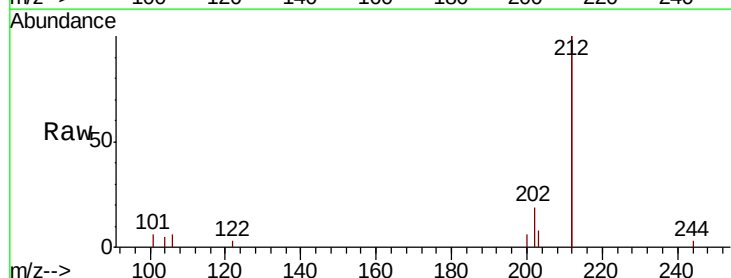
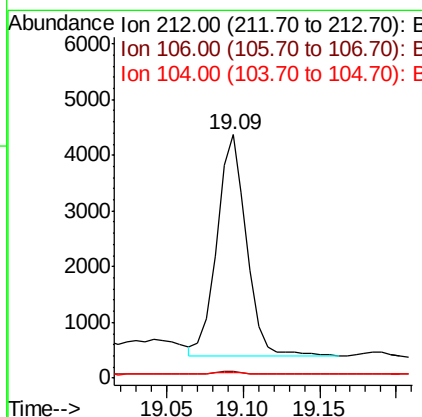
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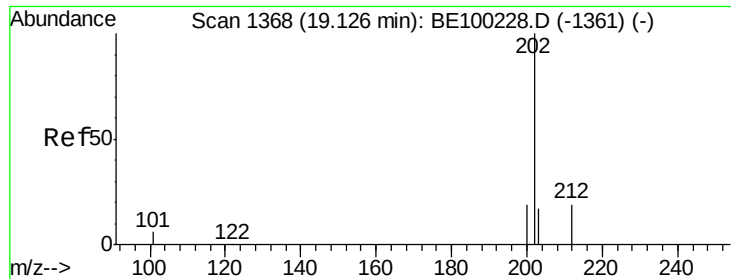
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.075 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: BE100330.D
 Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.0	0.8	1.2





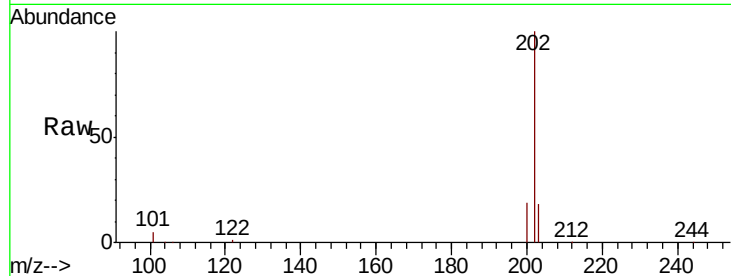
#26
Fluoranthene
Concen: 7.634 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.6	7.0
203	17.6	13.7	20.5

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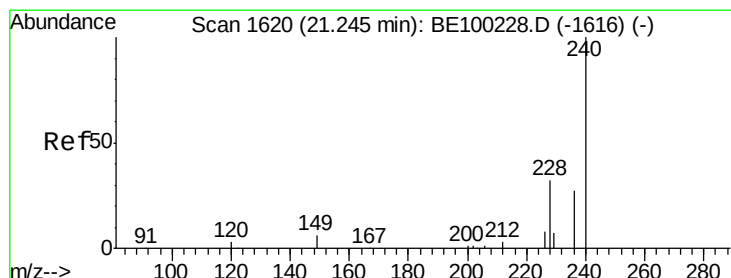
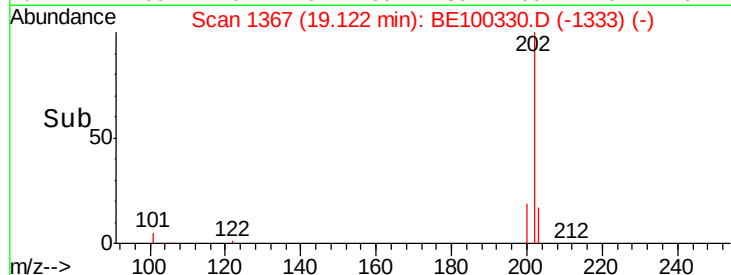
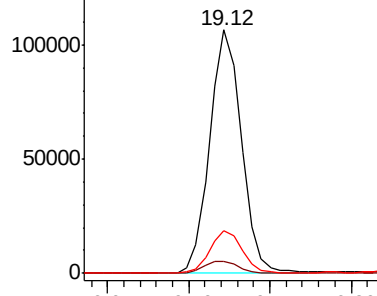


Abundance

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: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

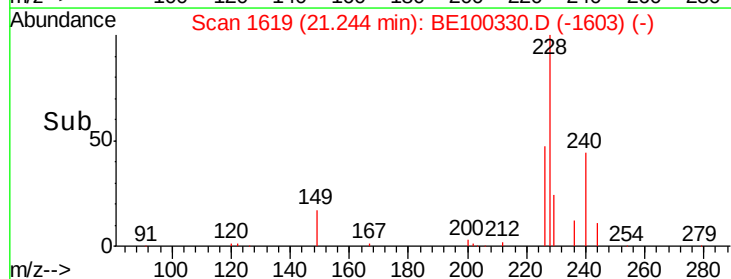
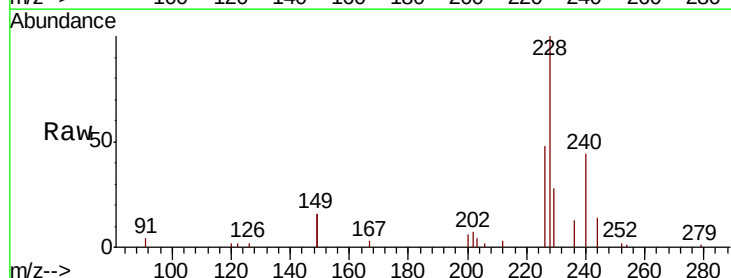
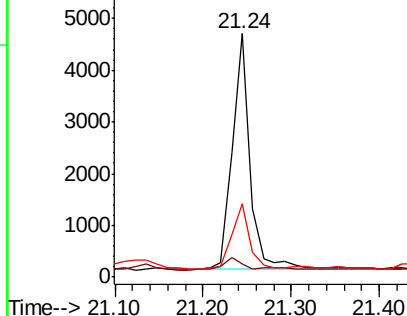
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	3.3	4.9#
236	30.1	22.6	34.0

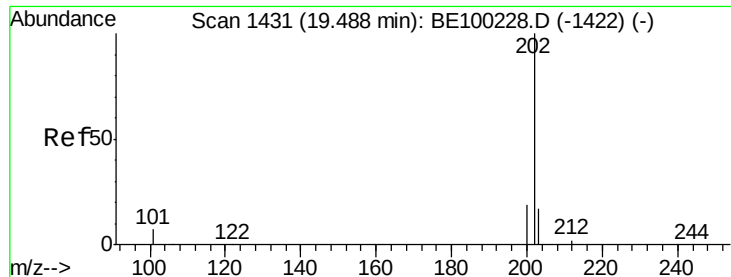
Abundance

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





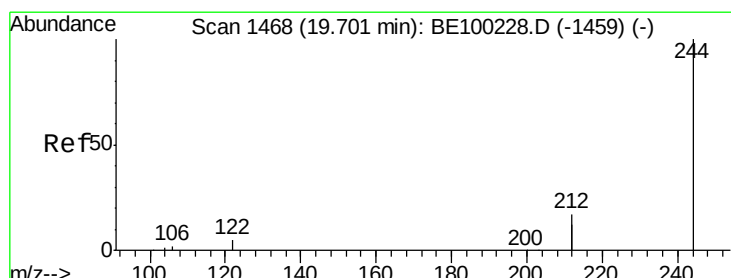
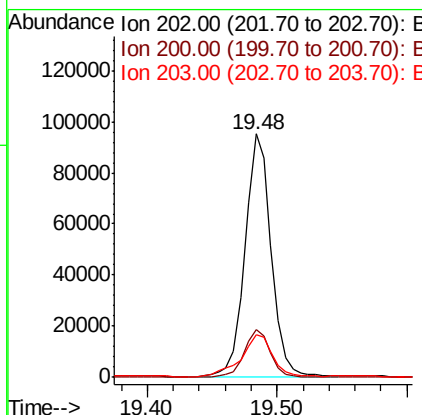
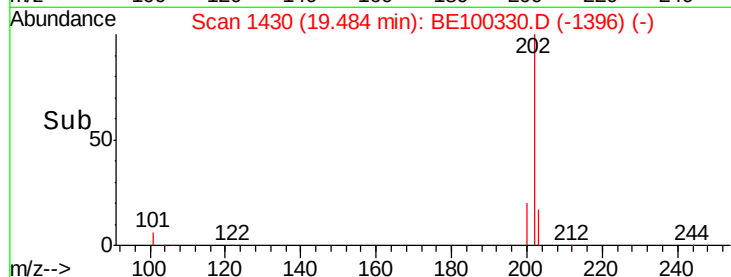
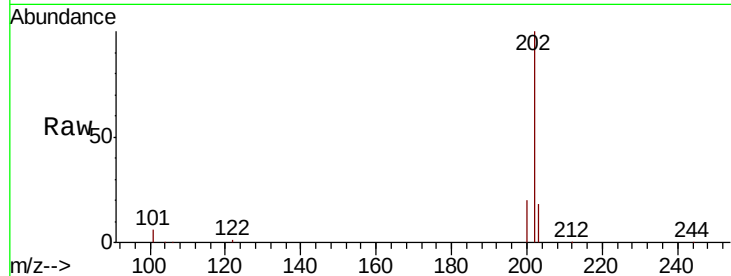
#28
Pvrene
Concen: 7.829 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.6	15.6	23.4
203	20.9	14.0	21.0

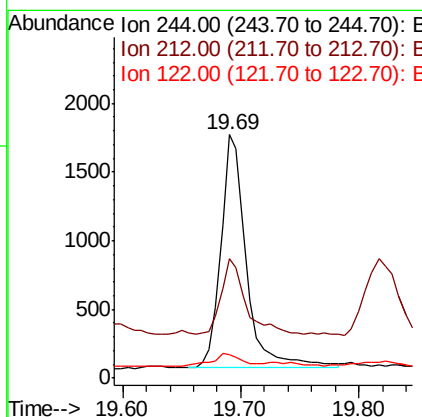
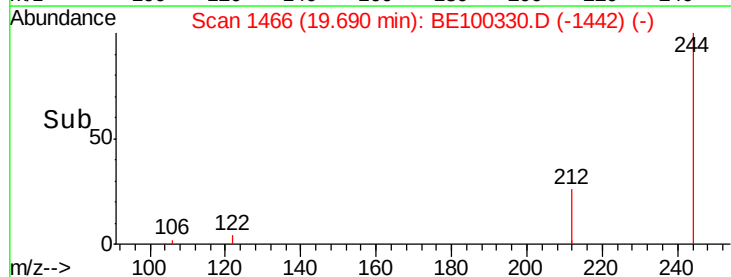
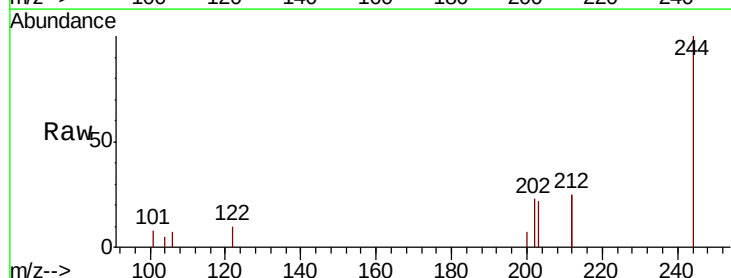
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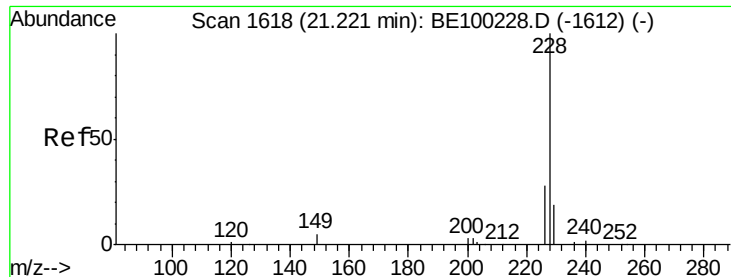
mohammad
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#29
Terphenyl-d14
Concen: 0.190 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	49.1	27.3	40.9#
122	9.9	4.7	7.1#





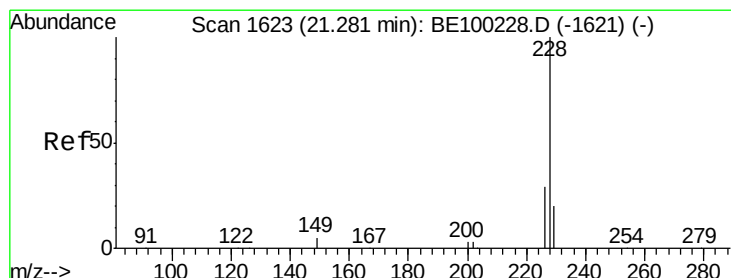
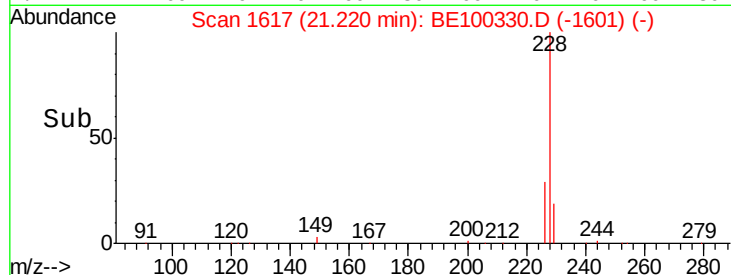
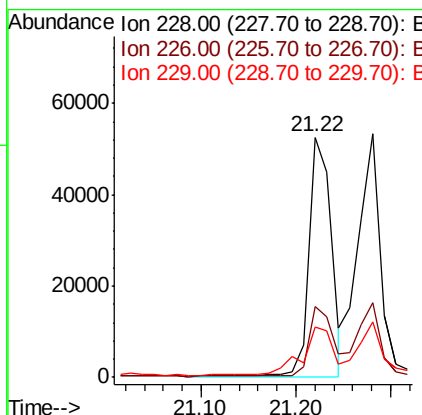
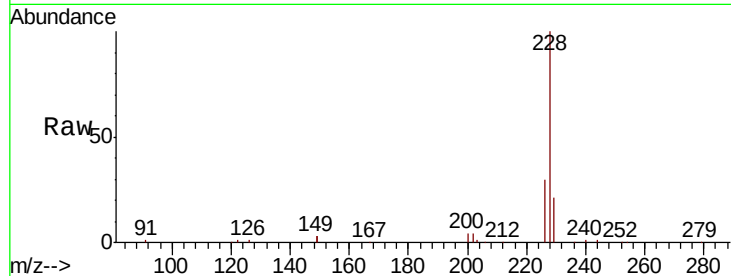
#30
Benzo(a)anthracene
Concen: 4.047 ng
RT: 21.22 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	20.7	15.7	23.5

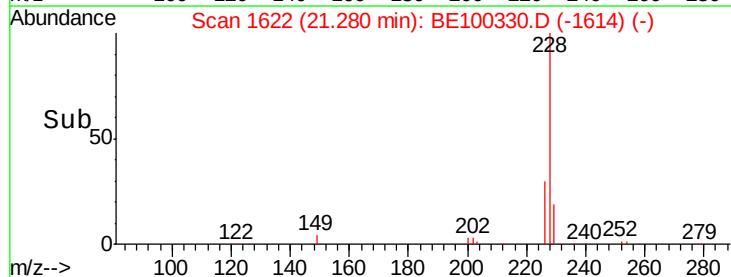
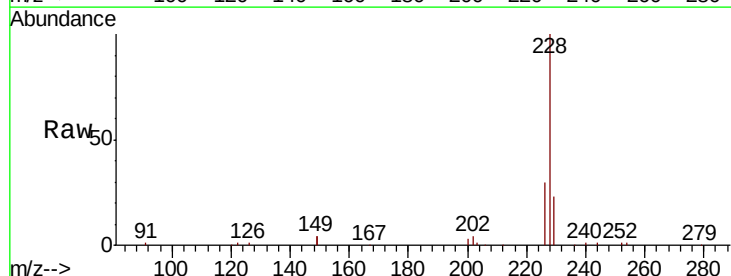
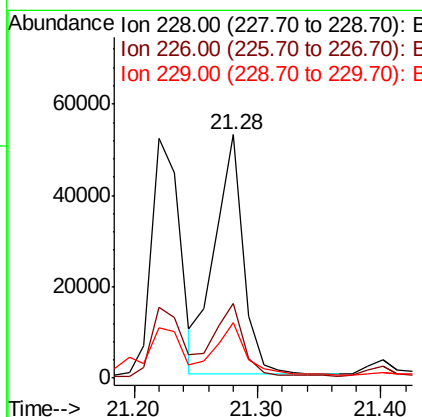
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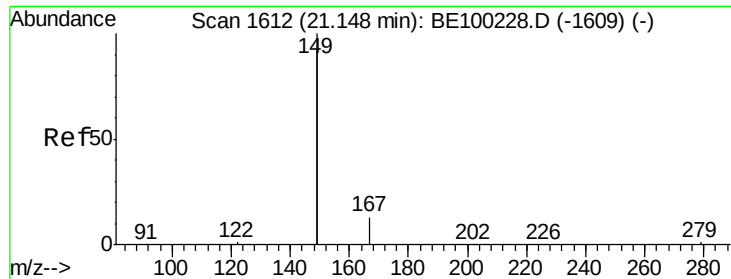
mohammad
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#31
Chrysene
Concen: 4.053 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.9	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.685 ng

RT: 21.15 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Instrument :

BNA_E

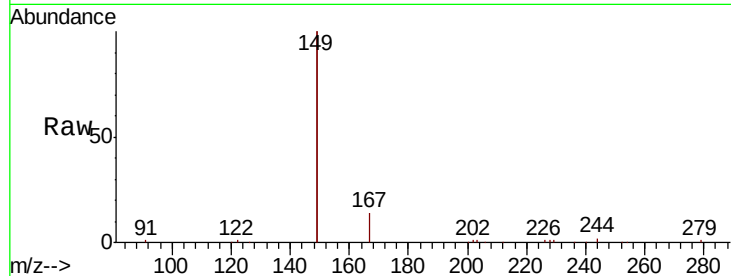
ClientSampleId :

PST-008-B254-061819DL

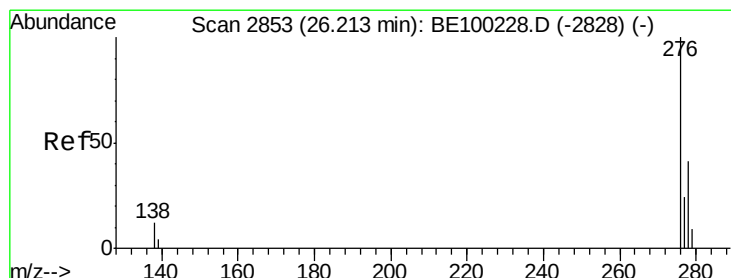
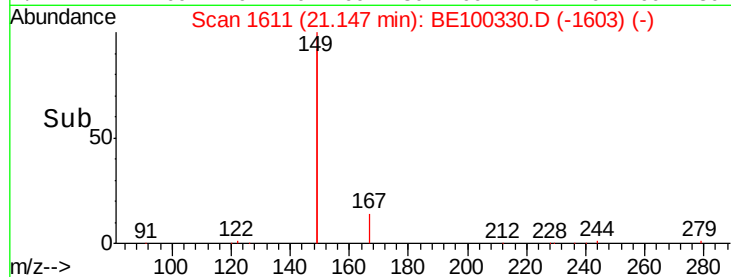
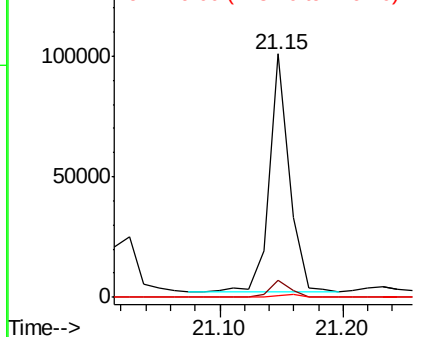
Tot Ion:	149	Resp:	110764
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.8
279	1.5	1.1	1.7

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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: 1.722 ng

RT: 26.22 min Scan# 2855

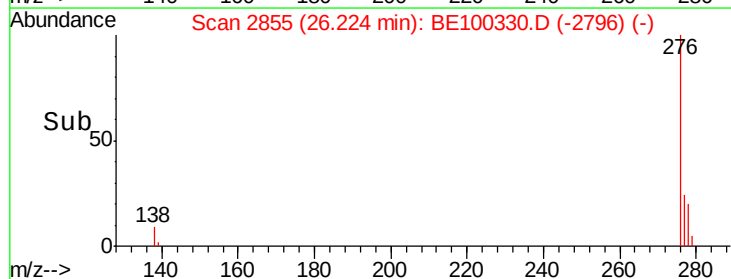
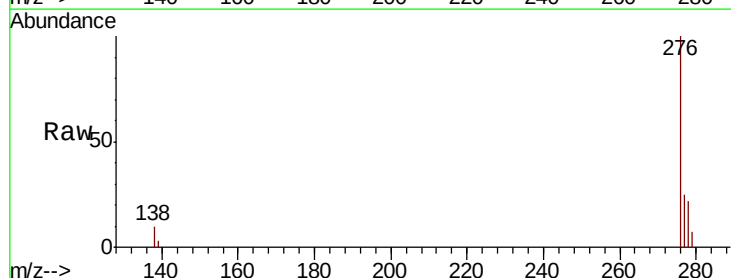
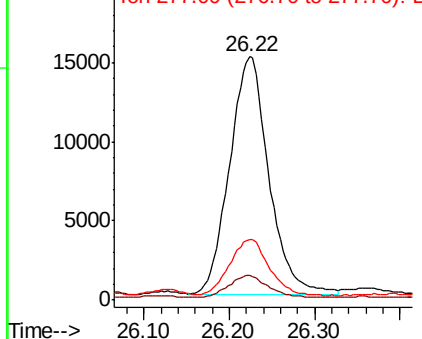
Delta R.T. 0.01 min

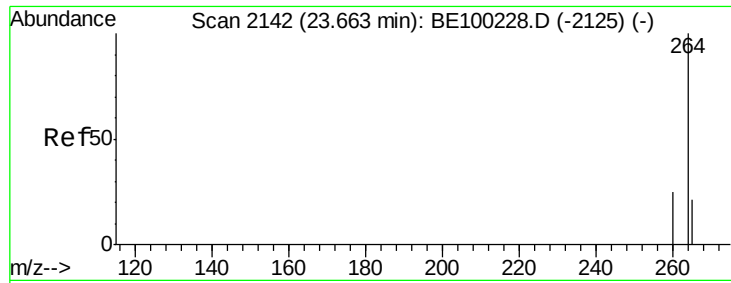
Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Tgt Ion:	276	Resp:	47888
Ion Ratio	Lower	Upper	
276	100		
138	9.1	9.4	14.0#
277	23.6	19.2	28.8

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





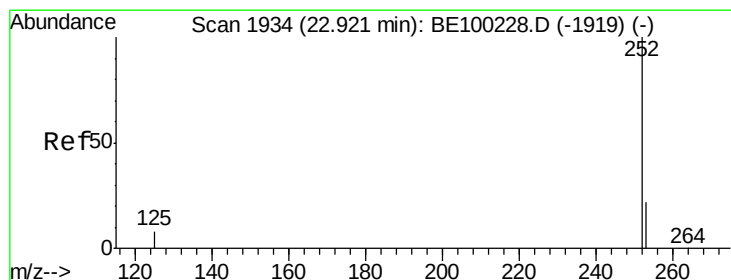
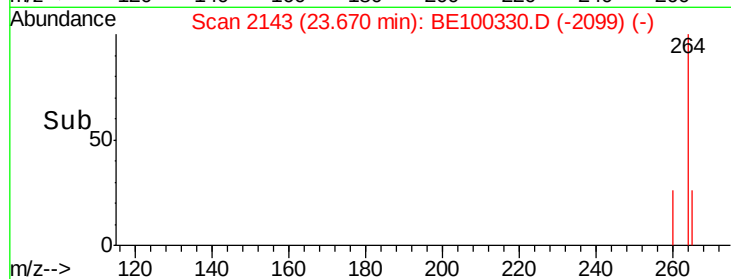
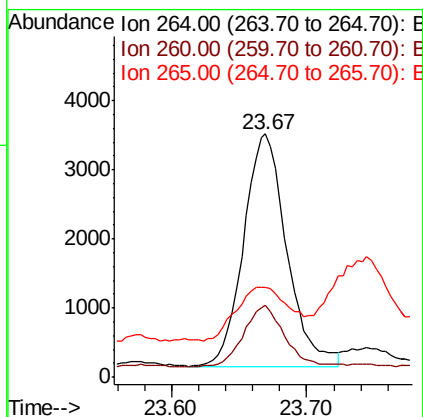
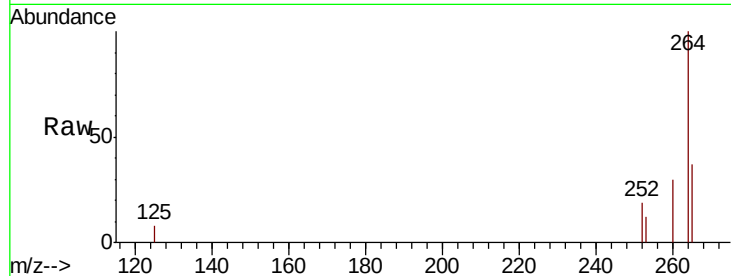
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: BE100330.D
 Acq: 3 Jul 2019 15:58

Instrument :
 BNA_E
 ClientSampleId :
 PST-008-B254-061819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.7	20.8	31.2
265	37.2	21.8	32.6

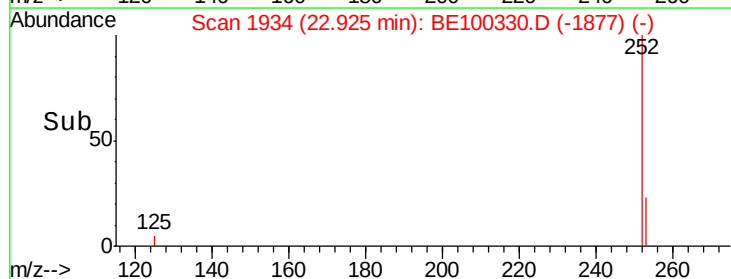
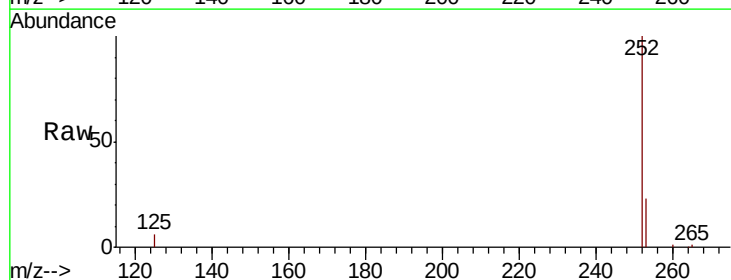
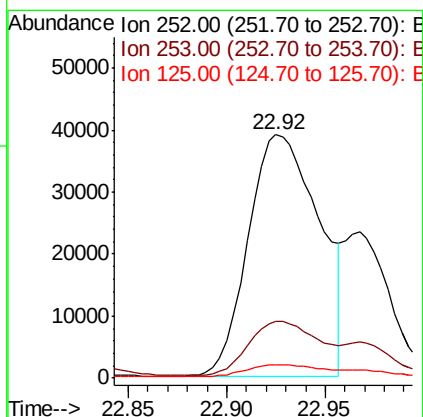
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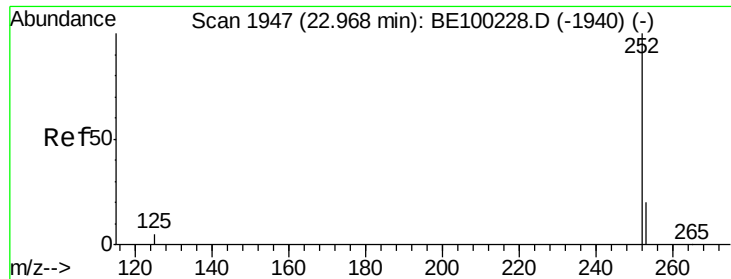
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 4.877 ng m
 RT: 22.92 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BE100330.D
 Acq: 3 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	5.5	7.4	11.0





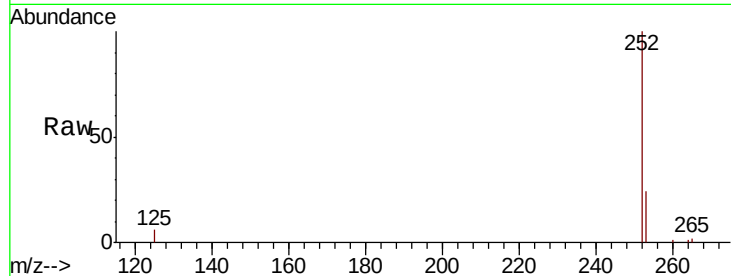
#36
Benzo(k)fluoranthene
Concen: 1.537 ng m
RT: 22.97 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Instrument :
BNA_E
ClientSampleId :
PST-008-B254-061819DL

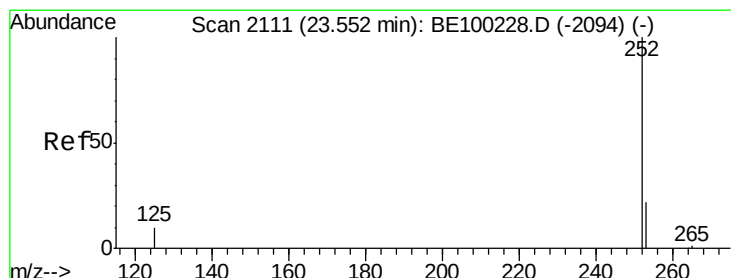
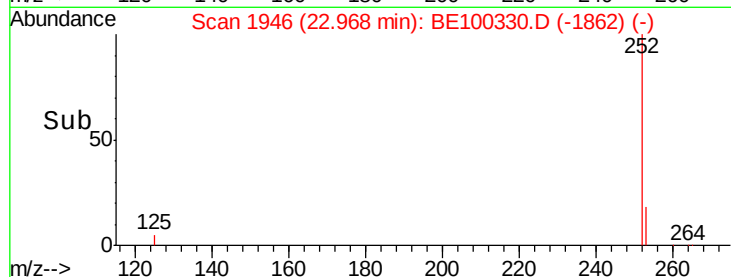
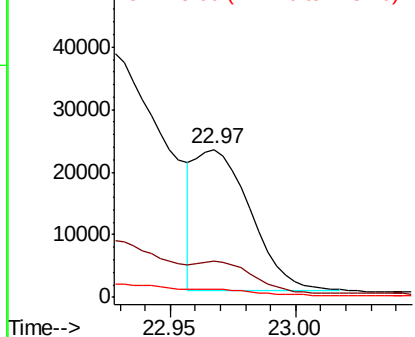
Tot Ion:252 Resp: 34648
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 5.8 5.0 7.4

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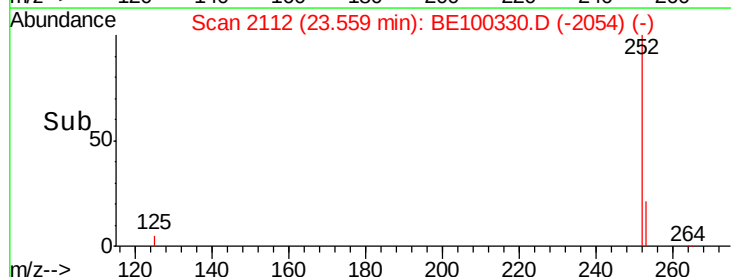
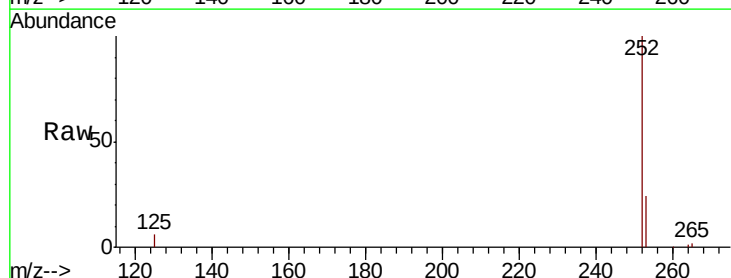
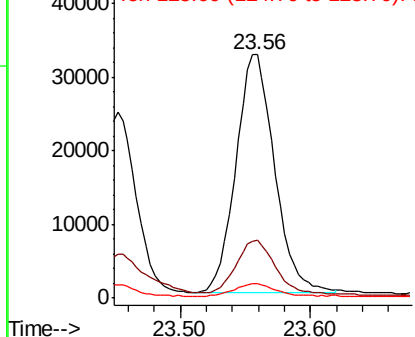
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

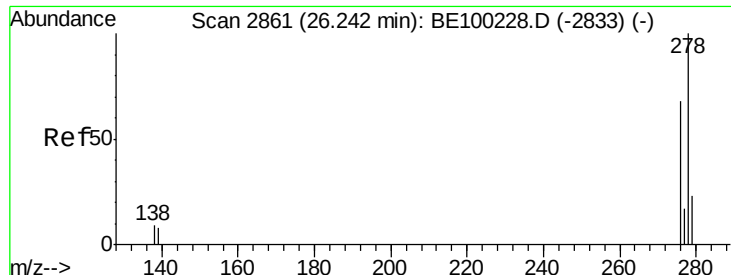


#37
Benzo(a)pyrene
Concen: 3.288 ng m
RT: 23.56 min Scan# 2112
Delta R.T. 0.01 min
Lab File: BE100330.D
Acq: 3 Jul 2019 15:58

Tgt Ion:252 Resp: 66546
Ion Ratio Lower Upper
252 100
253 23.7 19.6 29.4
125 5.9 9.0 13.6#

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





#38

Dibenzo(a,h)anthracene

Concen: 0.573 ng

RT: 26.23 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Instrument :

BNA_E

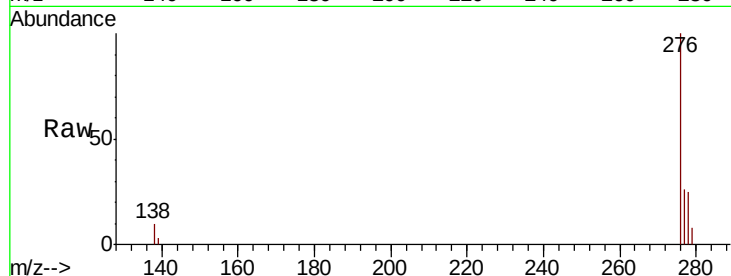
ClientSampleId :

PST-008-B254-061819DL

Tot Ion:	278	Resp:	12114
Ion Ratio	Lower	Upper	
278	100		
139	11.2	8.2	12.2
279	31.7	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/5/2019 8:53:53 AM

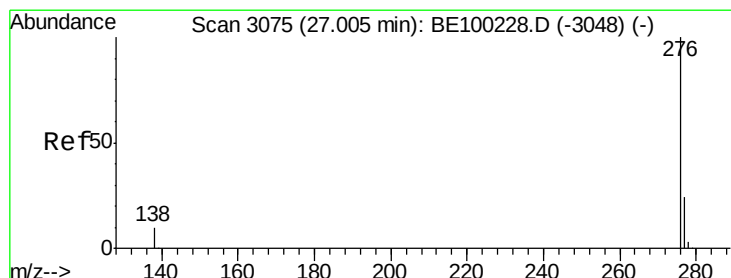
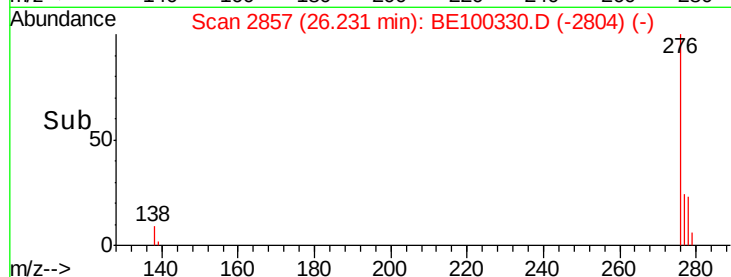
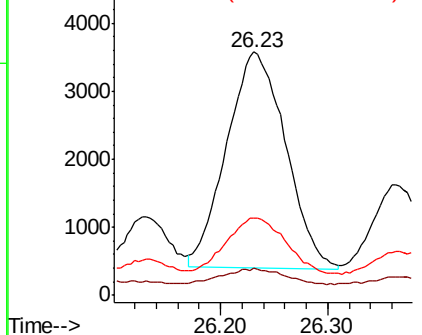


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 2.221 ng

RT: 27.01 min Scan# 3076

Delta R.T. 0.01 min

Lab File: BE100330.D

Acq: 3 Jul 2019 15:58

Tgt Ion:	276	Resp:	48223
Ion Ratio	Lower	Upper	
276	100		
277	25.1	20.2	30.2
138	10.3	9.0	13.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

