

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100256.D
 Acq On : 29 Jun 2019 4:04
 Operator : JU/SJ
 Sample : K3428-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B041-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 3:08:04 PM

Quant Time: Jul 01 12:02:57 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 29 00:22:29 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1102	0.80	ng	0.00
7) Naphthalene-d8	10.43	136	3984	0.80	ng	-0.01
13) Acenaphthene-d10	14.31	164	3590	0.80	ng	0.00
19) Phenanthrene-d10	17.07	188	7967	0.80	ng	0.01
27) Chrysene-d12	21.26	240	14301	0.80	ng	0.01
34) Perylene-d12	23.69	264	15841	0.80	ng	0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	96	0.07	ng	0.00
5) Phenol-d6	6.84	99	122	0.07	ng	0.00
8) Nitrobenzene-d5	8.81	82	147	0.07	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	321	0.09	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	63	0.05	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	348	0.05	ng	-0.01
25) Fluoranthene-d10	19.10	212	2156	0.04	ng	0.00
29) Terphenyl-d14	19.69	244	2261	0.15	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	81734	3.720	ng	# 97
12) 2-Methylnaphthalene	12.11	142	25109	6.513	ng	97
16) Acenaphthylene	14.04	152	171914	19.958	ng	98
17) Acenaphthene	14.39	154	14594	2.990	ng	92
18) Fluorene	15.35	166	77357	10.717	ng	# 87
23) Phenanthrene	17.11	178	992140	102.761	ng	98
24) Anthracene	17.20	178	142594	16.401	ng	97
26) Fluoranthene	19.14	202	1106958	71.981	ng	97
28) Pyrene	19.51	202	1763966	93.178	ng	# 95
30) Benzo(a)anthracene	21.23	228	828476m	35.238	ng	
31) Chrysene	21.29	228	1030300	43.641	ng	95
32) Bis(2-ethylhexyl)phthalate	21.16	149	8111	0.129	ng	# 89
33) Indeno(1,2,3-cd)pyrene	26.27	276	374433	11.991	ng	# 97
35) Benzo(b)fluoranthene	22.95	252	720125	33.534	ng	# 95
36) Benzo(k)fluoranthene	22.99	252	215483m	8.990	ng	
37) Benzo(a)pyrene	23.58	252	660084	30.670	ng	# 93
38) Dibenzo(a,h)anthracene	26.27	278	120112	5.344	ng	# 85
39) Benzo(a,h,i)perylene	27.06	276	438408	18.986	ng	98

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

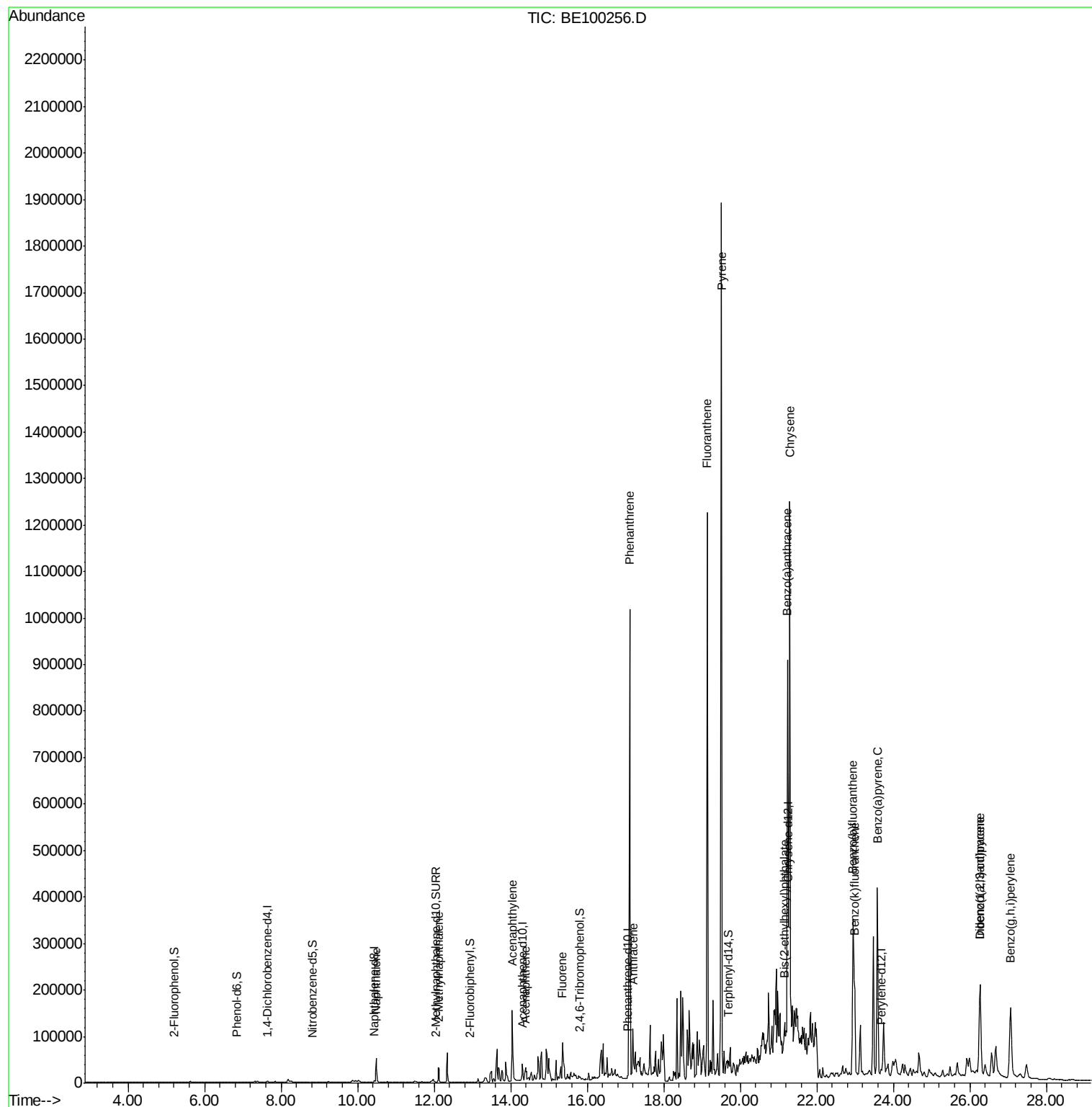
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
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ALS Vial : 18 Sample Multiplier: 2

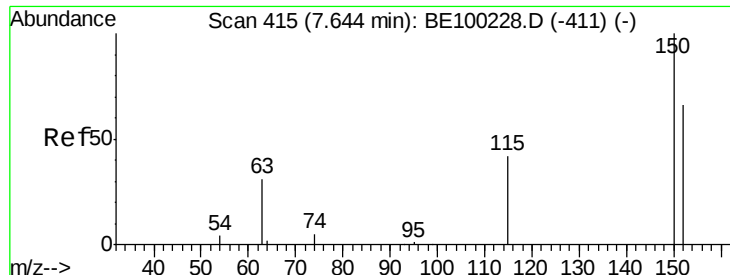
Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

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#1

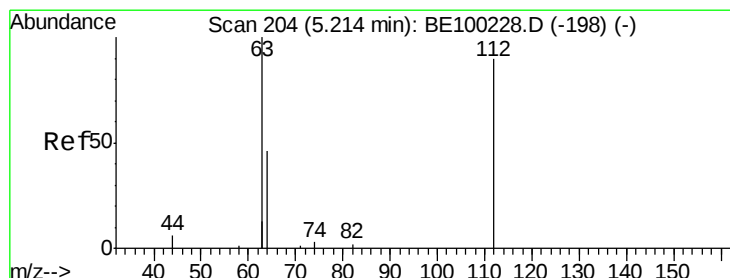
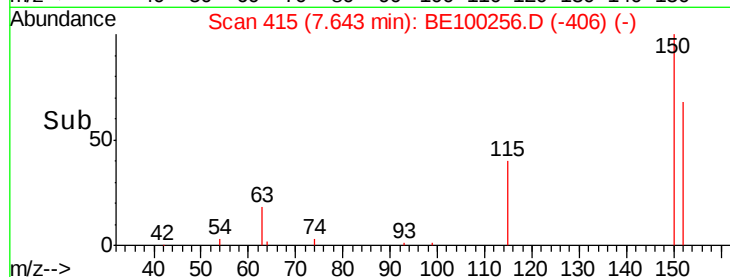
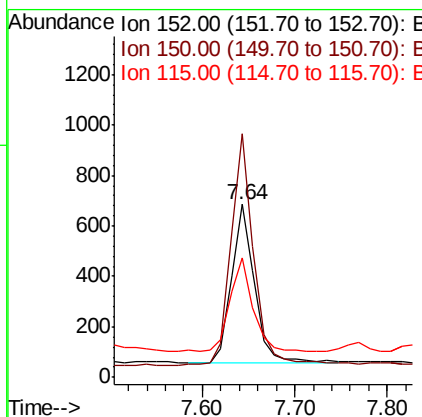
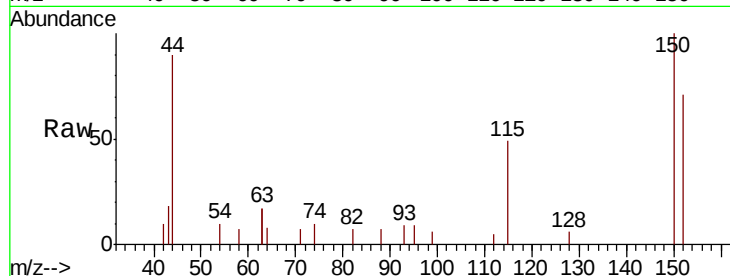
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.1	114.5	171.7
115	69.3	57.1	85.7

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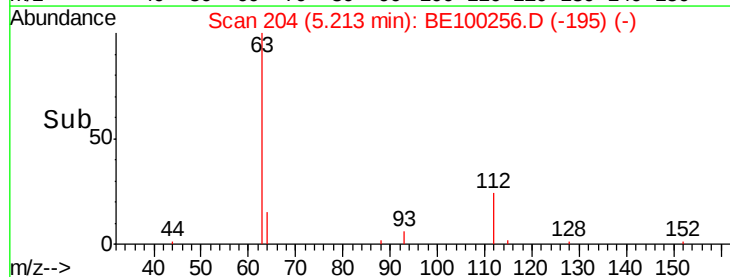
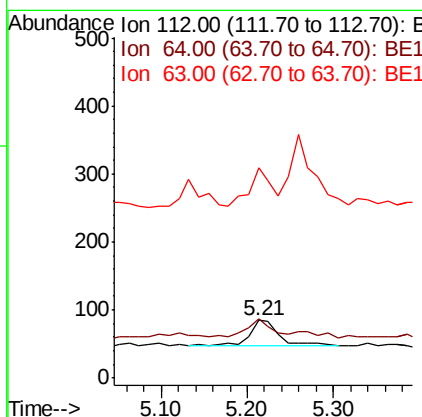
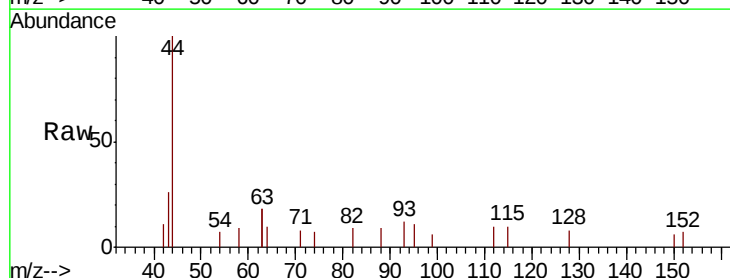
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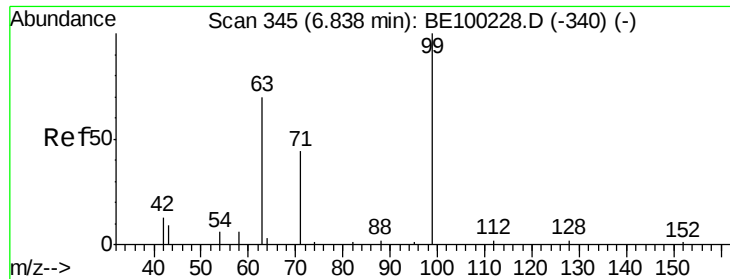


#4

2-Fluorophenol
Concen: 0.068 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	39.4	59.0
63	105.2	104.5	156.7





#5

Phenol-d6

Concen: 0.066 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Instrument :

BNA_E

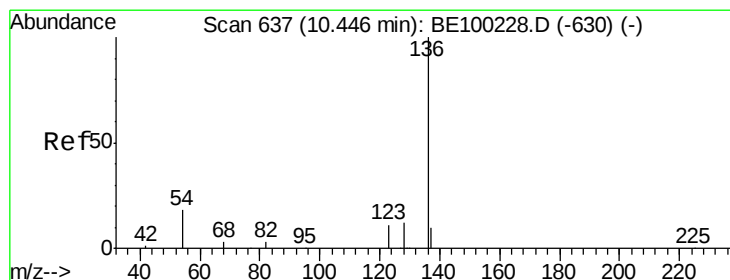
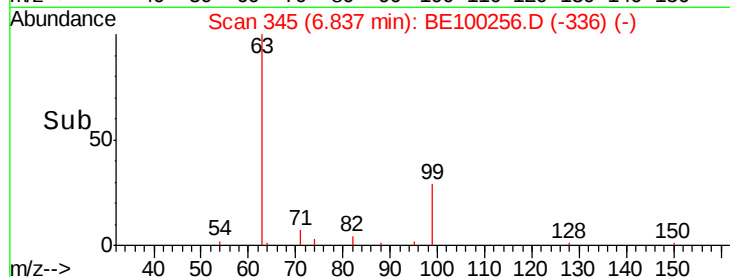
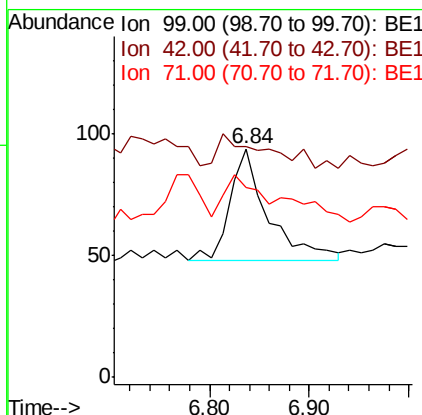
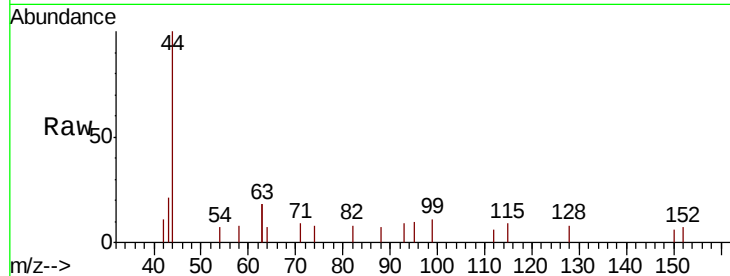
ClientSampleId :

PST-084-B041-061319

Tot Ion:	99	Resp:	122
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	59.8	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.800 ng

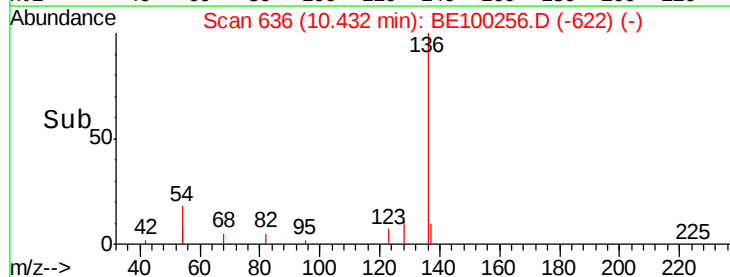
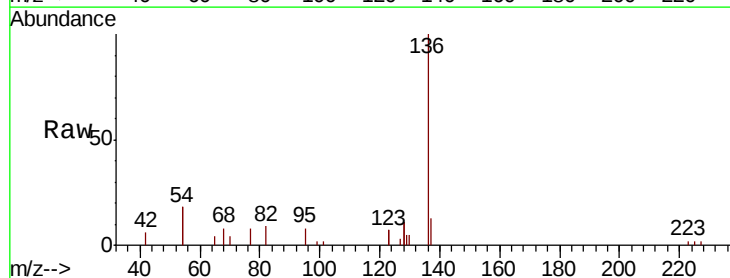
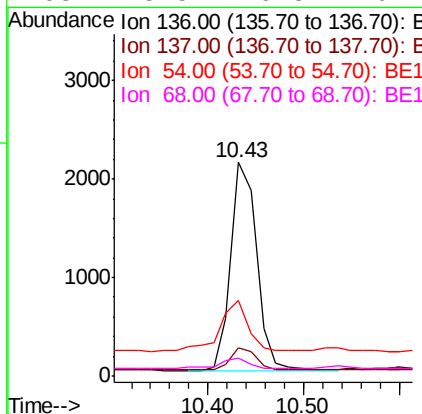
RT: 10.43 min Scan# 636

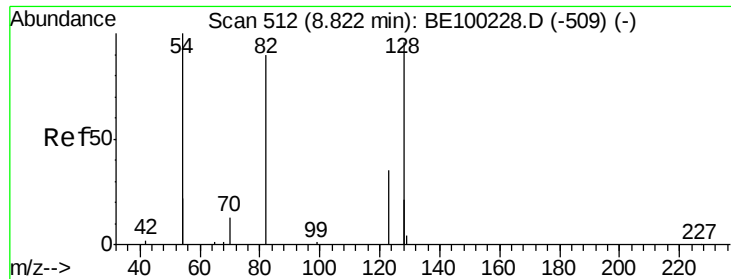
Delta R.T. -0.01 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Tgt Ion:	136	Resp:	3984
Ion	Ratio	Lower	Upper
136	100		
137	12.9	11.8	17.8
54	35.1	27.7	41.5
68	8.5	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.074 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Instrument :

BNA_E

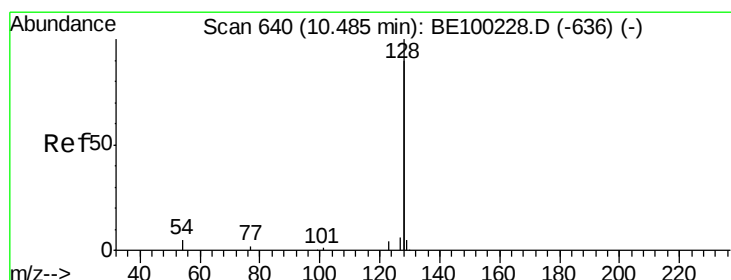
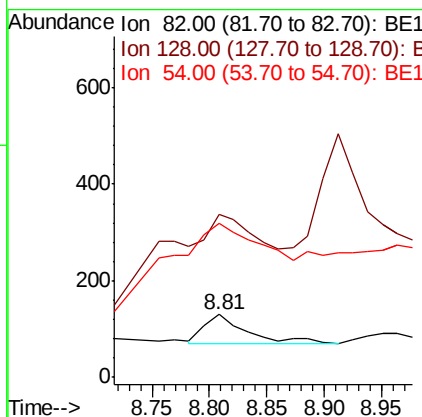
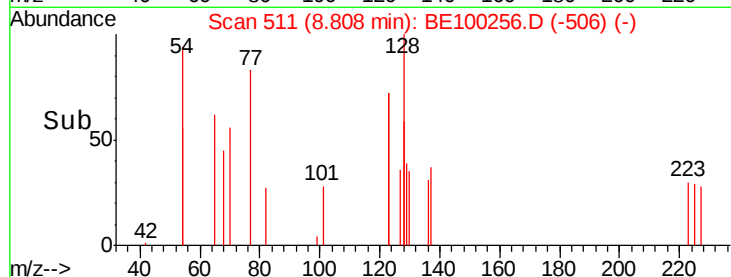
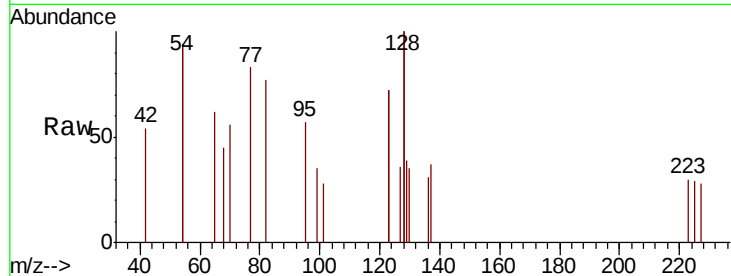
ClientSampleId :

PST-084-B041-061319

Tot Ion:	82	Resp:	147
Ion	Ratio	Lower	Upper
82	100		
128	260.0	140.9	211.3#
54	244.6	146.2	219.2#

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#9

Naphthalene

Concen: 3.720 ng

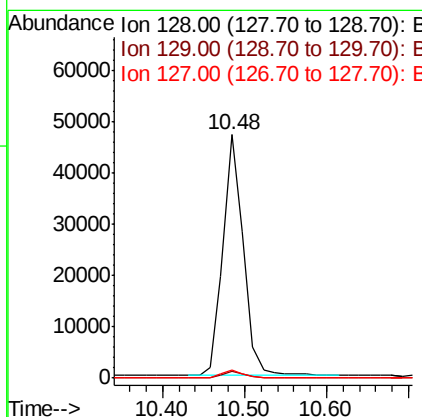
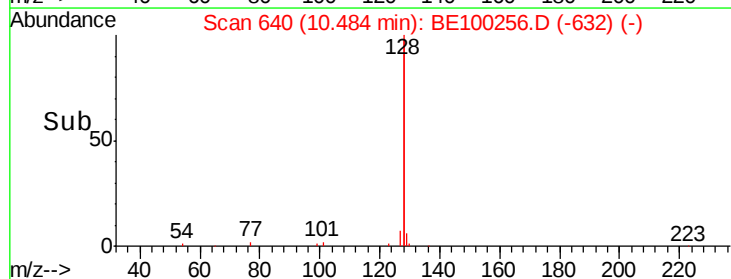
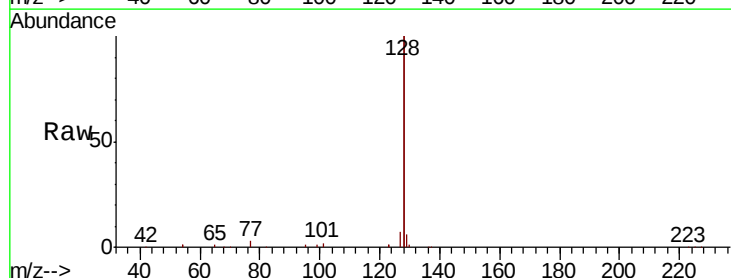
RT: 10.48 min Scan# 640

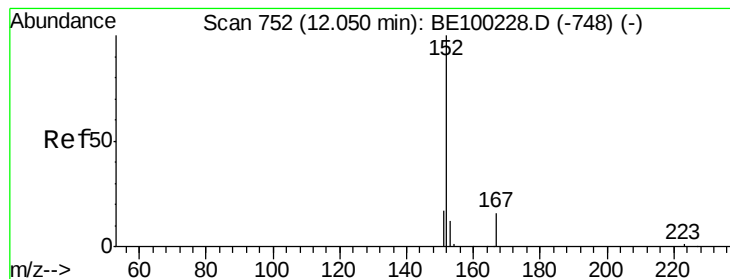
Delta R.T. -0.00 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Tgt Ion:	128	Resp:	81734
Ion	Ratio	Lower	Upper
128	100		
129	3.0	3.0	4.6
127	3.4	3.5	5.3#





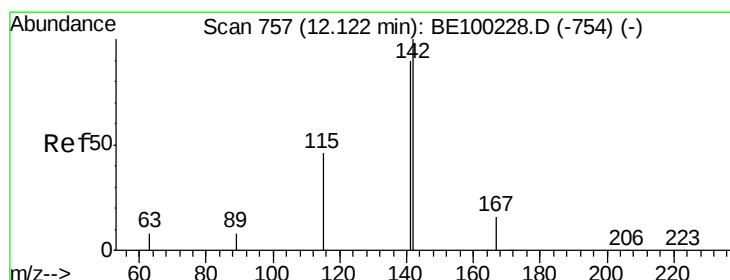
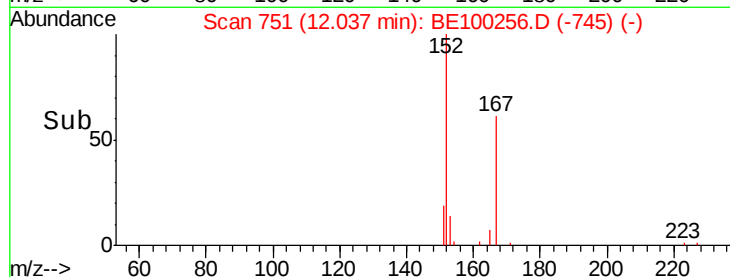
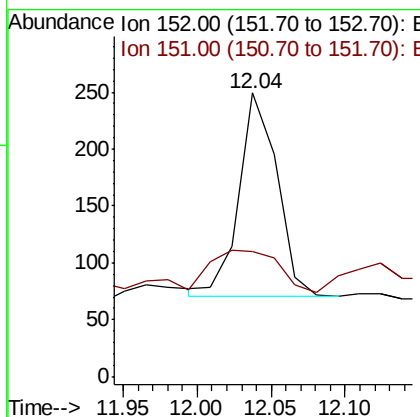
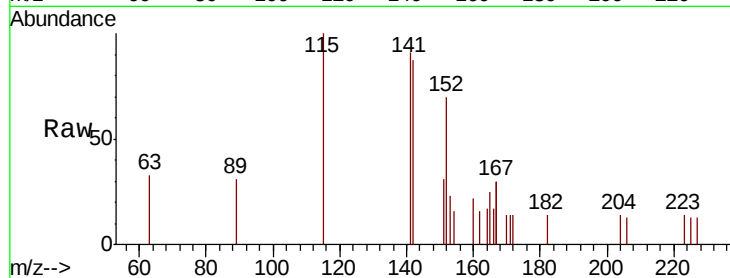
#11
2-Methylnaphthalene-d10
Concen: 0.086 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion:152 Resp: 321
Ion Ratio Lower Upper
152 100
151 40.5 15.1 22.7#

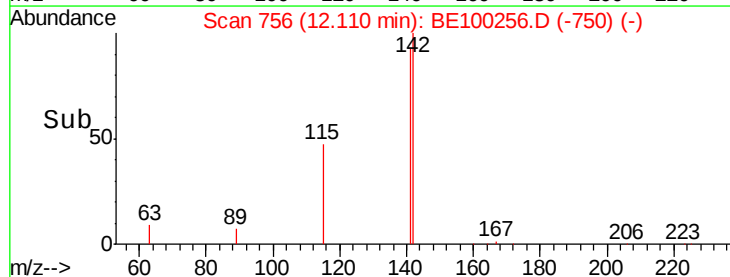
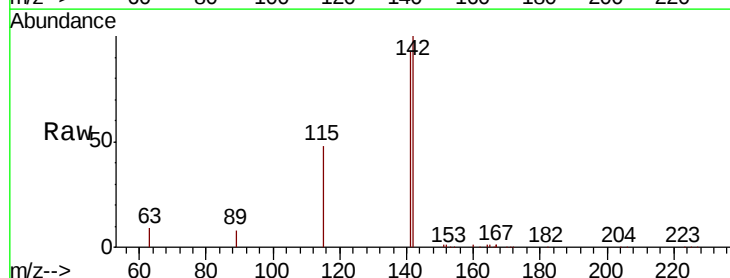
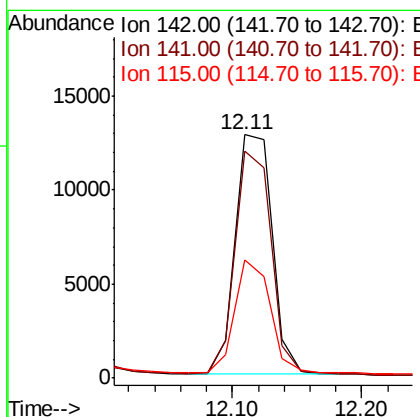
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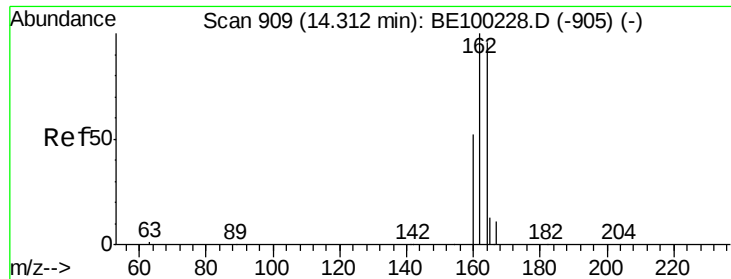
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#12
2-Methylnaphthalene
Concen: 6.513 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion:142 Resp: 25109
Ion Ratio Lower Upper
142 100
141 93.2 72.4 108.6
115 48.5 40.4 60.6





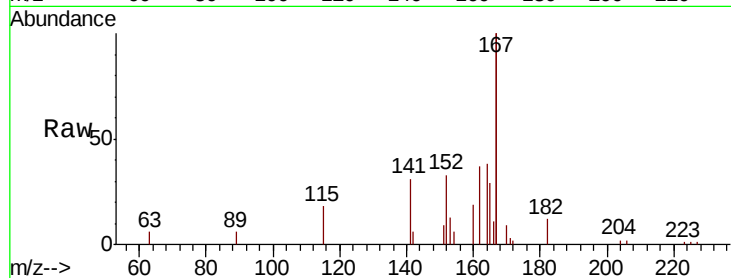
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.1	83.4	125.0
160	50.2	45.0	67.6

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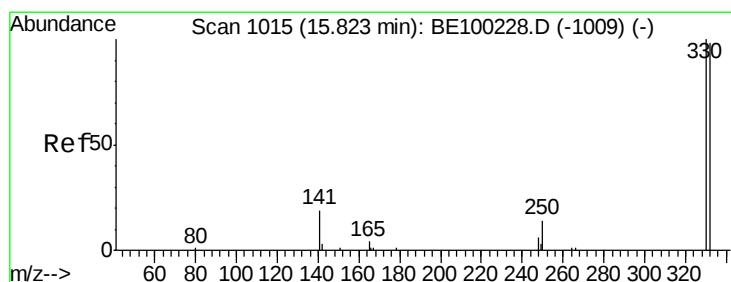
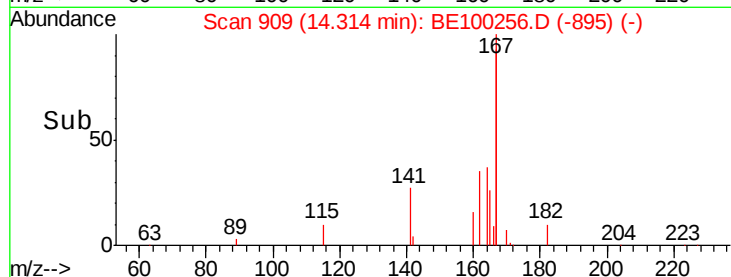
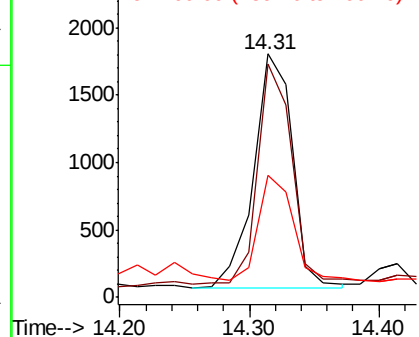


Abundance

Ion 164.00 (163.70 to 164.70): E

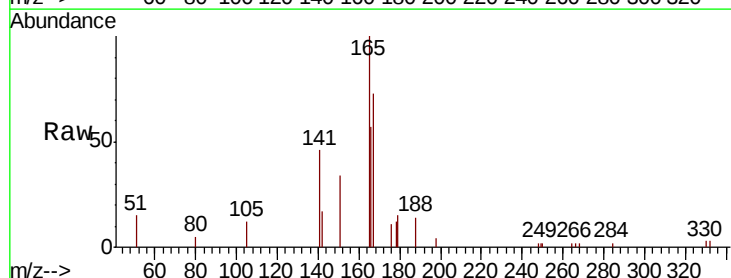
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.050 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	106.3	77.0	115.4
141	2733.3	22.0	33.0#

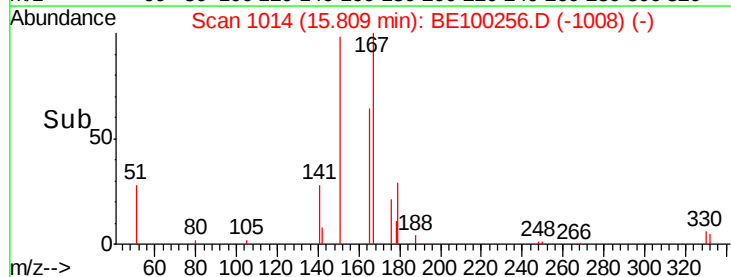
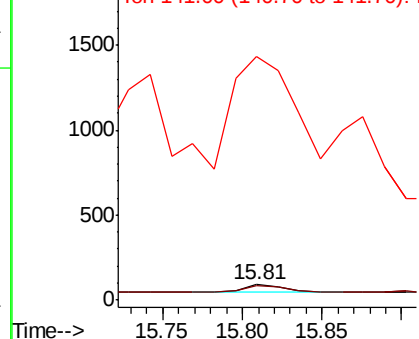


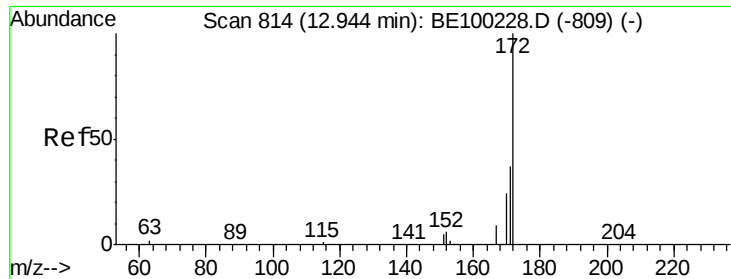
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





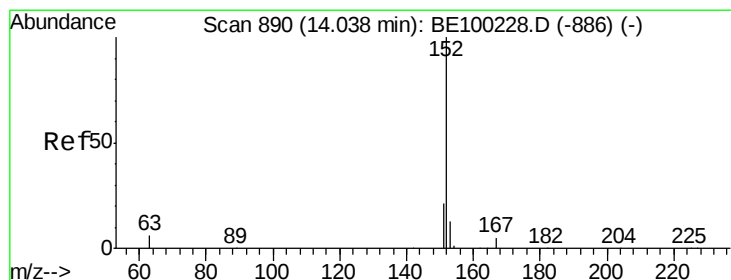
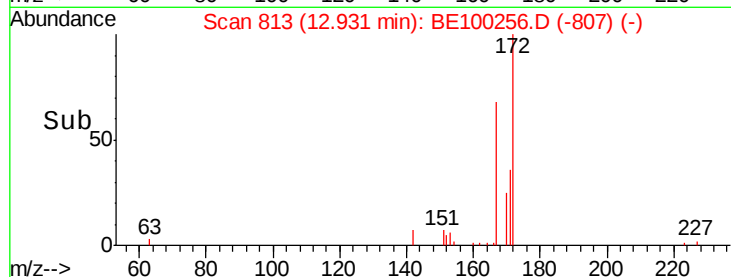
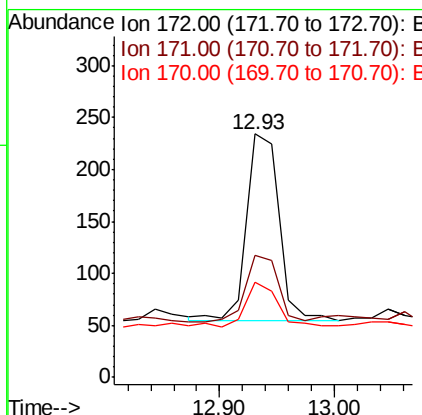
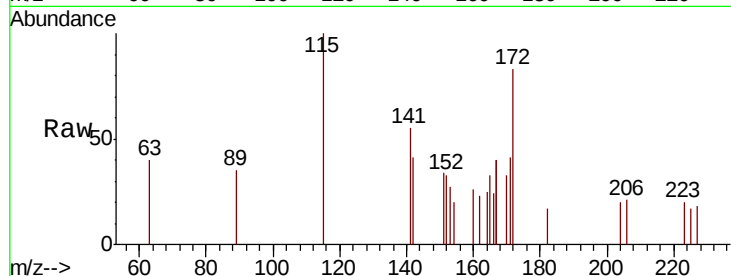
#15
2-Fluorobiphenyl
Concen: 0.050 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	50.0	31.9	47.9#
170	39.3	22.2	33.2#

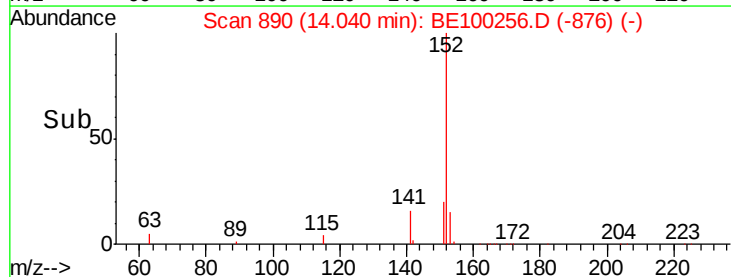
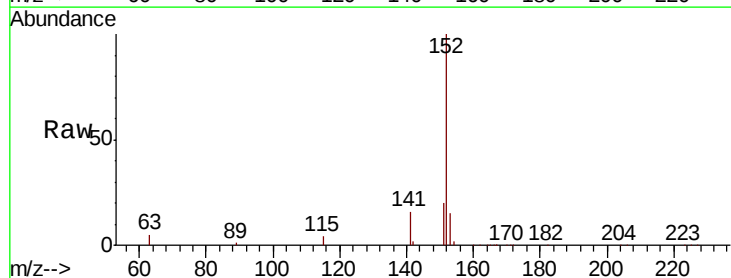
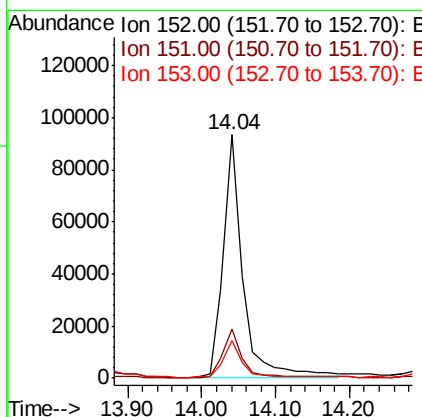
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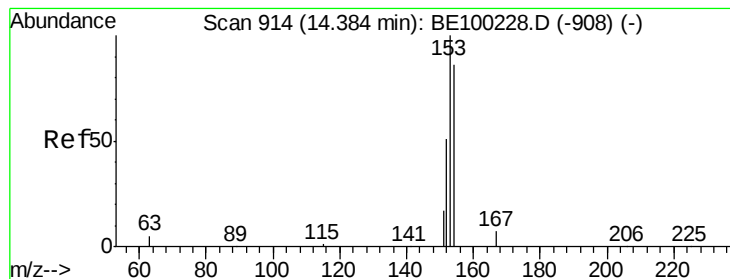
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#16
Acenaphthylene
Concen: 19.958 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	14.3	10.5	15.7





#17

Acenaphthene

Concen: 2.990 ng

RT: 14.39 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Instrument :

BNA_E

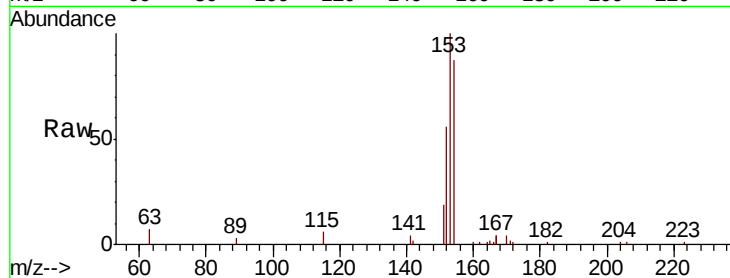
ClientSampleId :

PST-084-B041-061319

Tot Ion:	154	Resp:	14594
Ion Ratio	Lower	Upper	
154	100		
153	124.1	93.4	140.2
152	70.4	49.4	74.2

Manual Integrations
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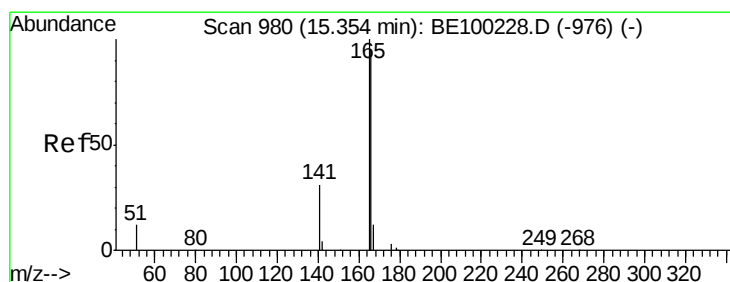
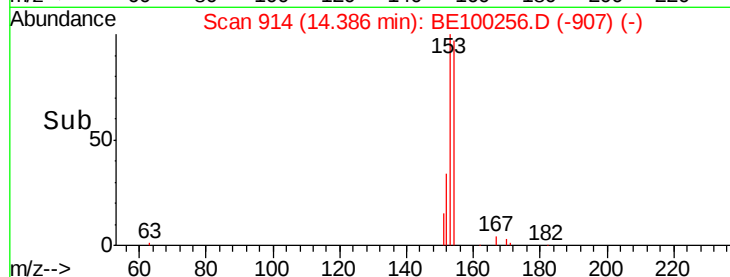
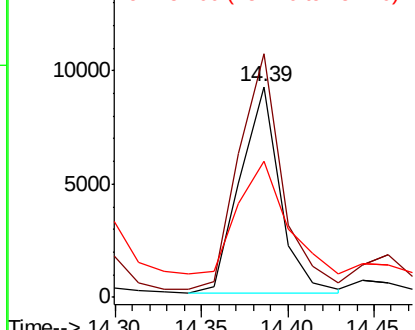


Abundance

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: 10.717 ng

RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

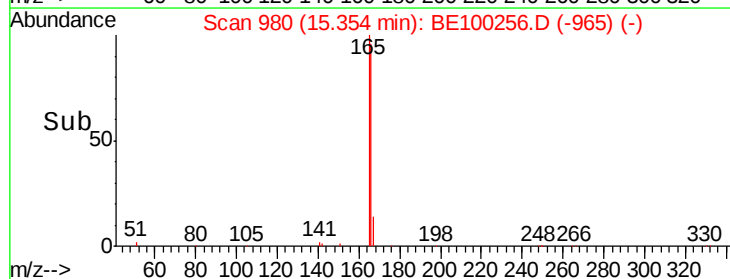
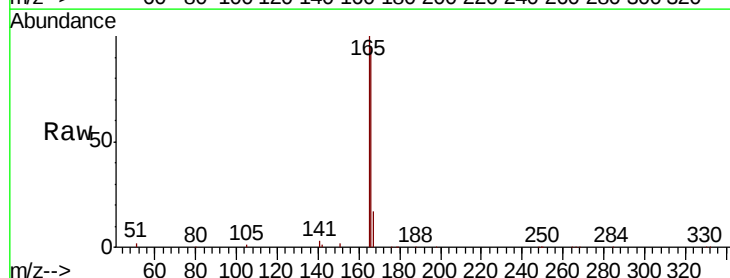
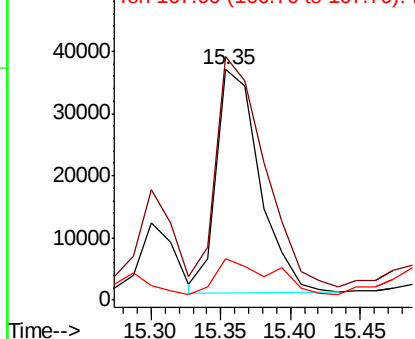
Tgt Ion:	166	Resp:	77357
Ion Ratio	Lower	Upper	
166	100		
165	113.9	81.1	121.7
167	21.0	10.7	16.1#

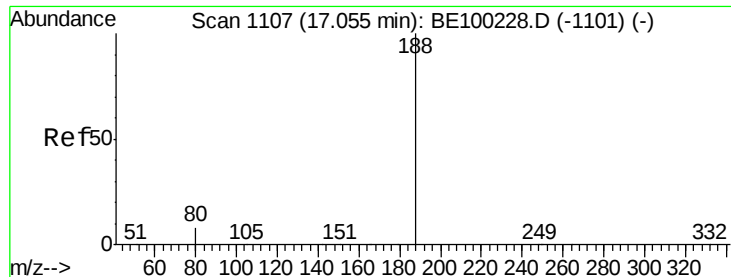
Abundance

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





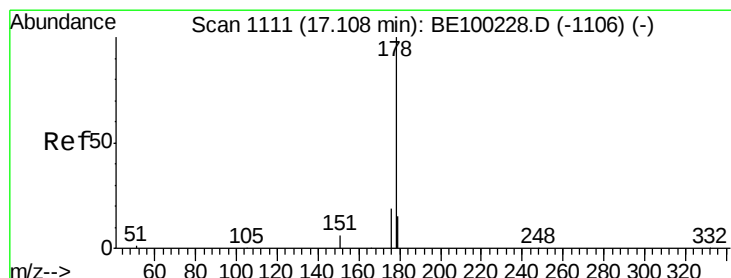
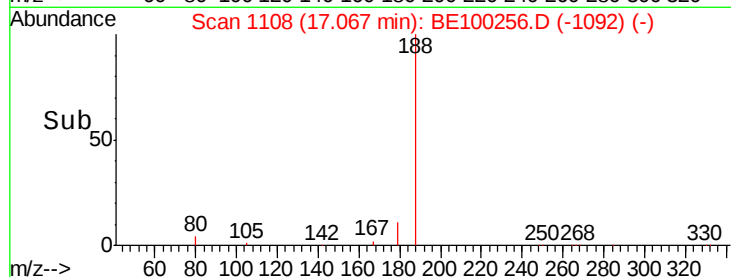
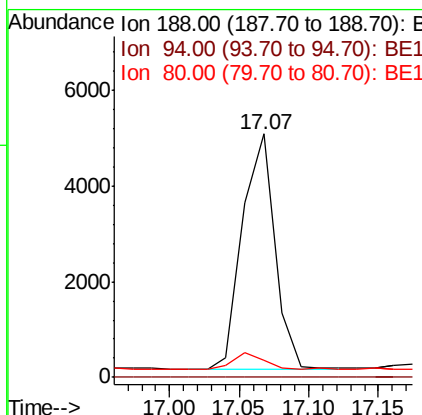
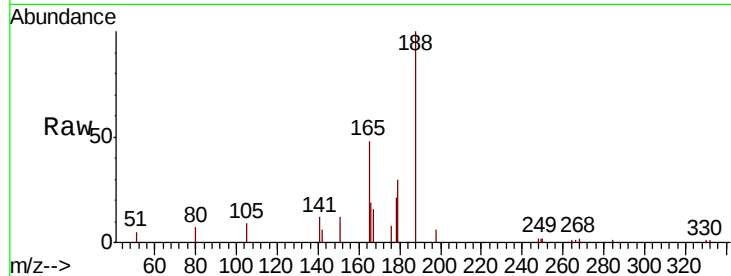
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	7.2	7.6	11.4

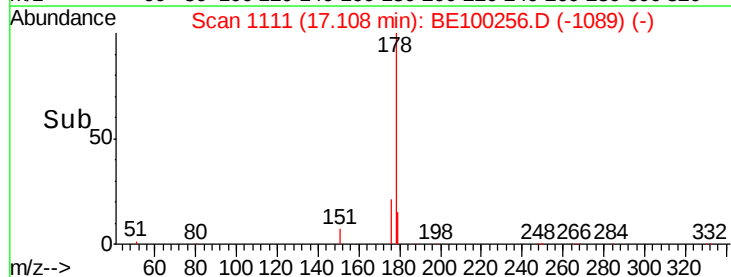
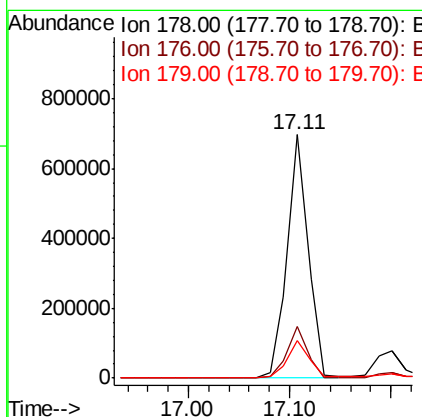
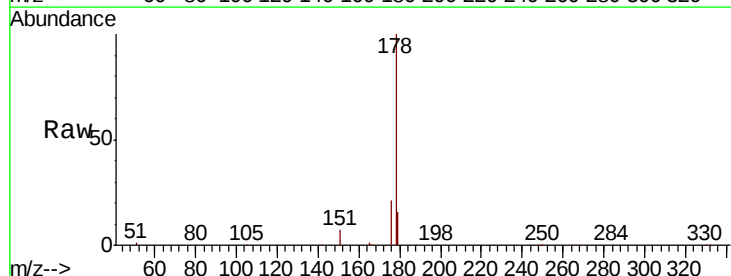
Manual Integrations
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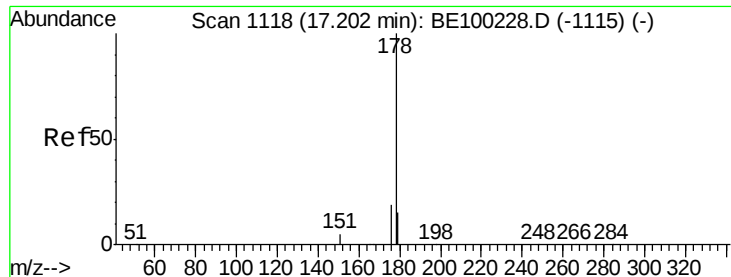
mohammad
7/1/2019 3:08:04 PM



#23
Phenanthrene
Concen: 102.761 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.5	15.9	23.9
179	16.1	12.2	18.2





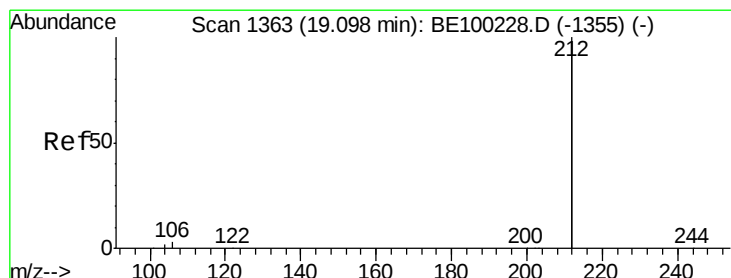
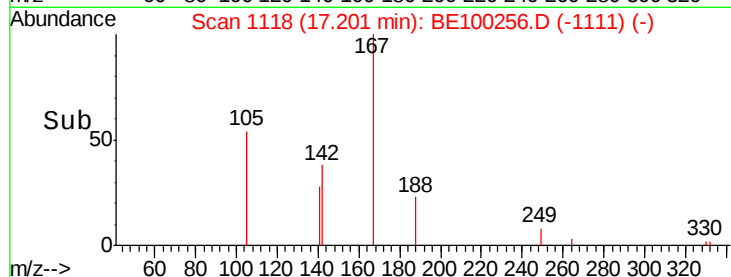
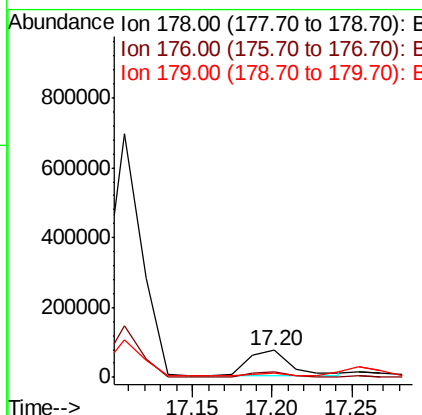
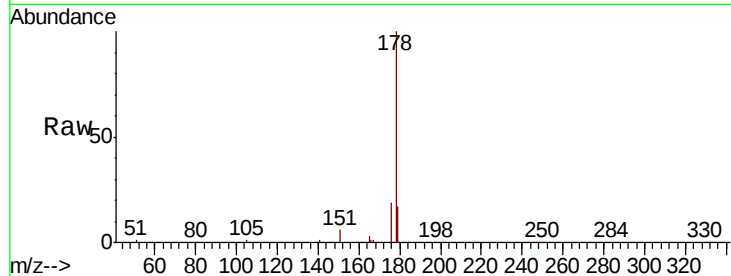
#24
 Anthracene
 Concen: 16.401 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BE100256.D
 Acq: 29 Jun 2019 4:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	12.2	12.2	18.2

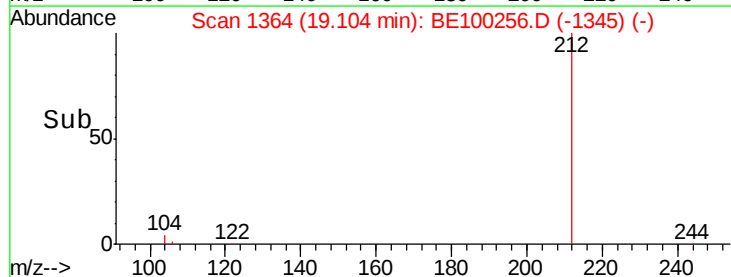
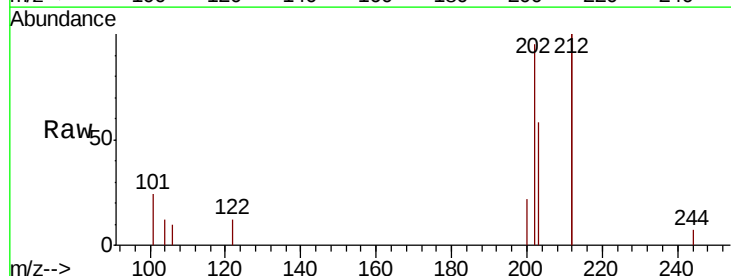
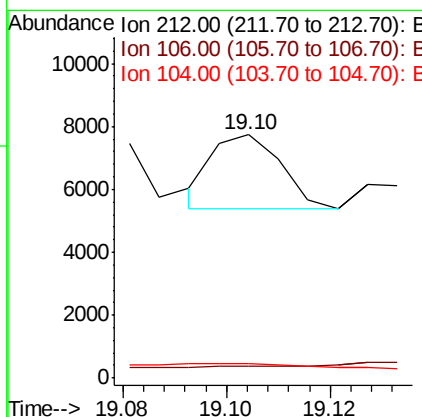
Manual Integrations
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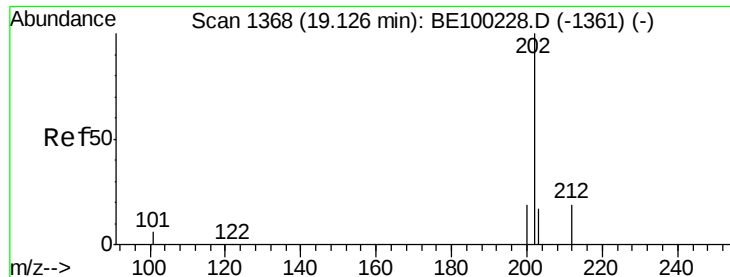
mohammad
 7/1/2019 3:08:04 PM



#25
 Fluoranthene-d10
 Concen: 0.037 ng
 RT: 19.10 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: BE100256.D
 Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
212	100		
106	0.0	1.3	1.9#
104	13.6	0.8	1.2#





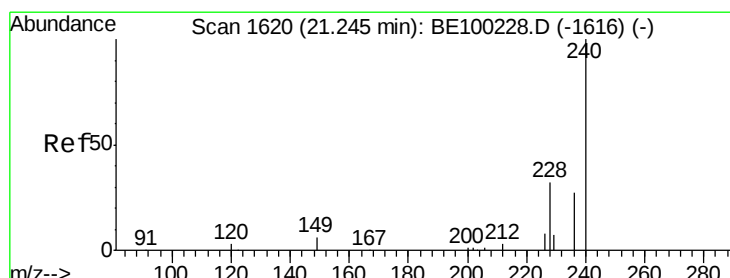
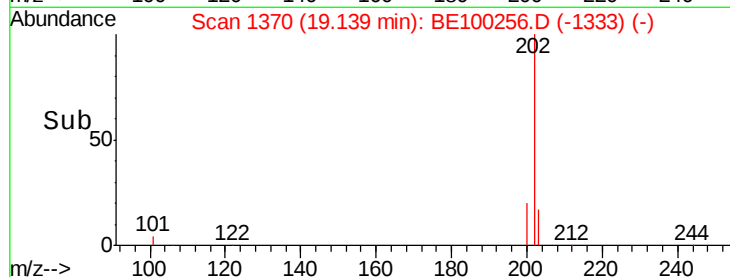
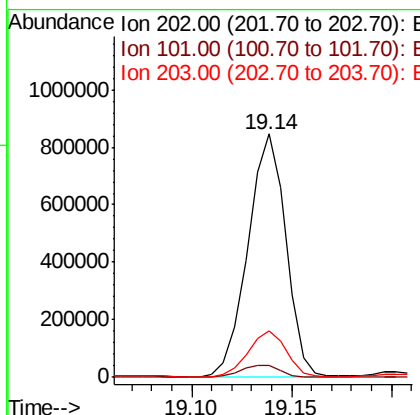
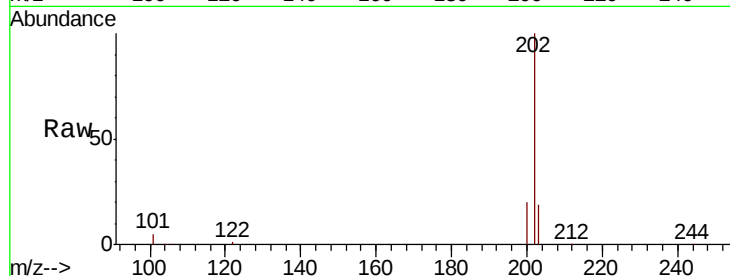
#26
Fluoranthene
Concen: 71.981 ng
RT: 19.14 min Scan# 1370
Delta R.T. 0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion:202 Resp: 1106958
Ion Ratio Lower Upper
202 100
101 5.2 4.6 7.0
203 18.8 13.7 20.5

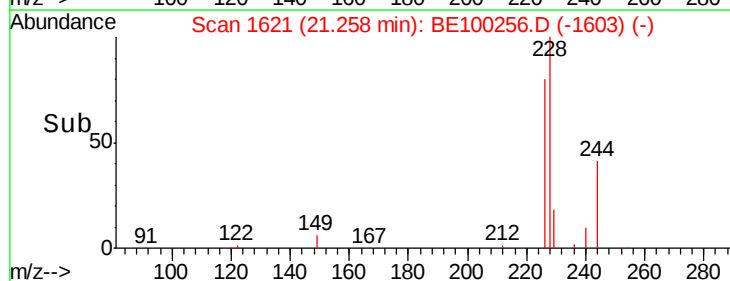
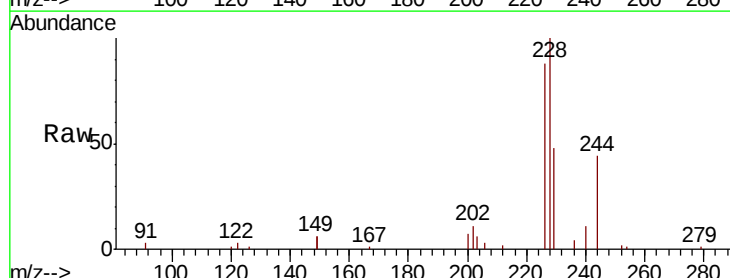
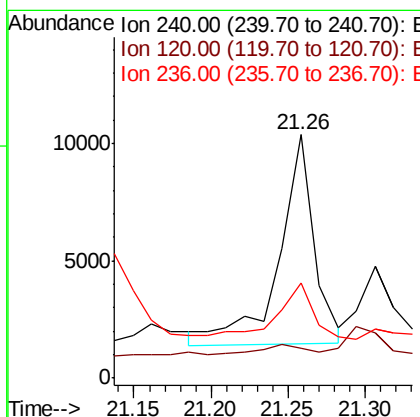
Manual Integrations
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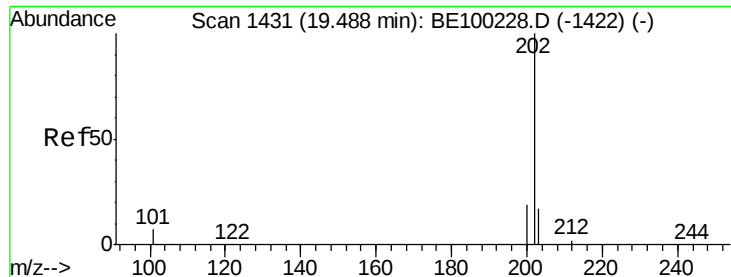
mohammad
7/1/2019 3:08:04 PM



#27
Chrysene-d12
Concen: 0.800 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion:240 Resp: 14301
Ion Ratio Lower Upper
240 100
120 12.1 3.3 4.9#
236 39.1 22.6 34.0#





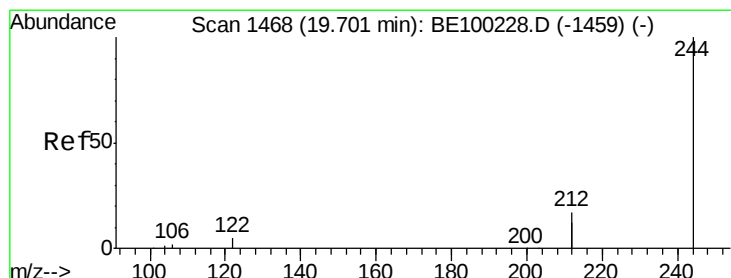
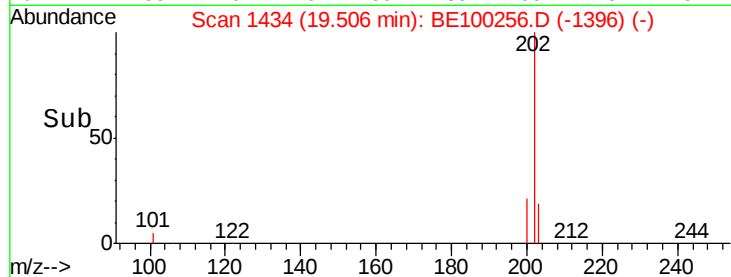
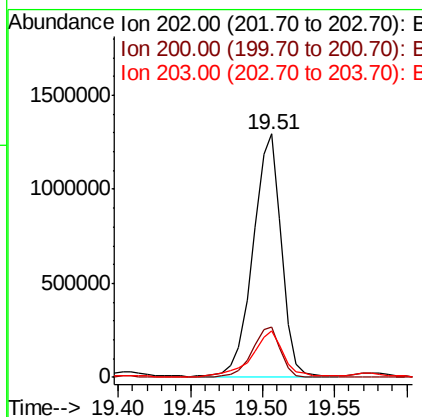
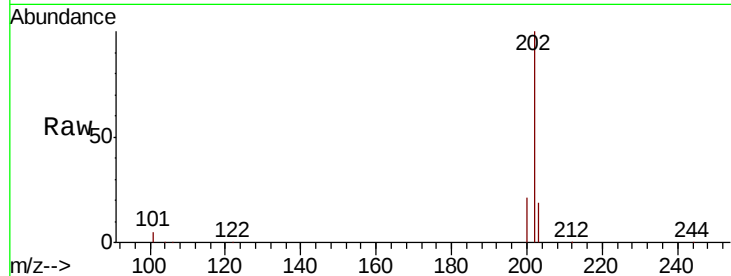
#28
Pvrene
Concen: 93.178 ng
RT: 19.51 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion:202 Resp: 1763966
Ion Ratio Lower Upper
202 100
200 20.6 15.6 23.4
203 21.2 14.0 21.0#

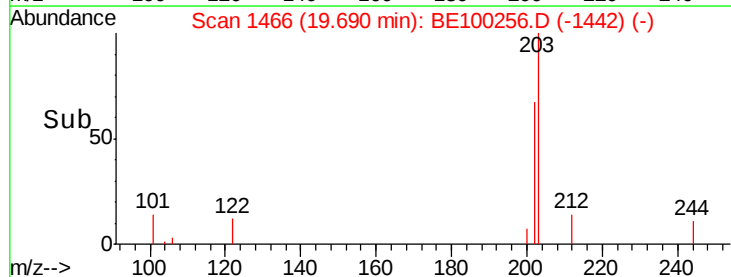
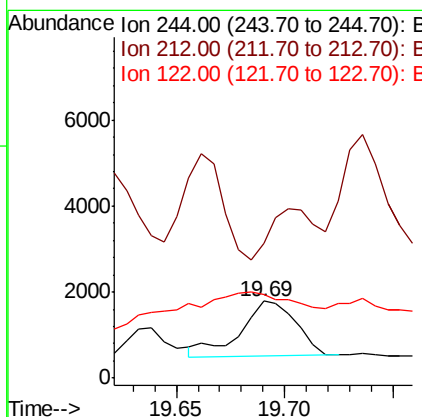
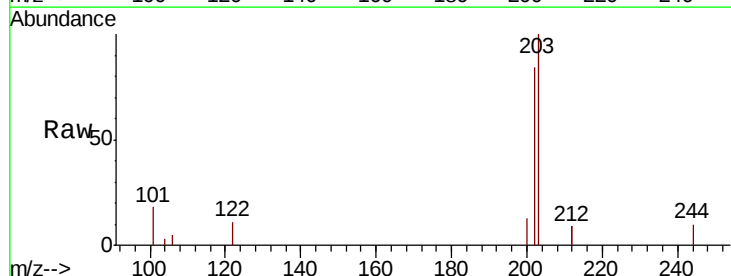
Manual Integrations
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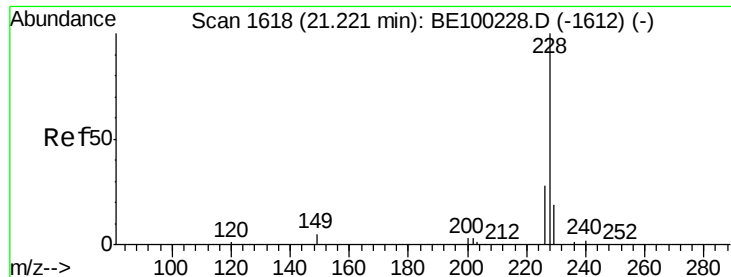
mohammad
7/1/2019 3:08:04 PM



#29
Terphenyl-d14
Concen: 0.153 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion:244 Resp: 2261
Ion Ratio Lower Upper
244 100
212 174.7 27.3 40.9#
122 108.7 4.7 7.1#





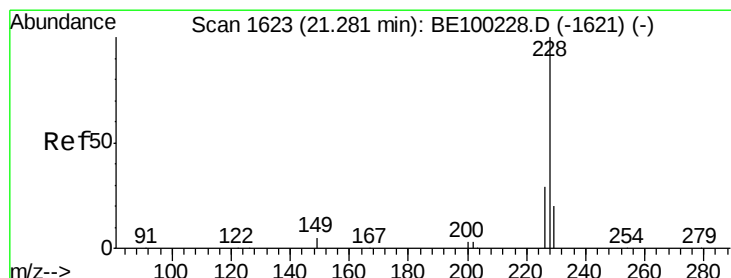
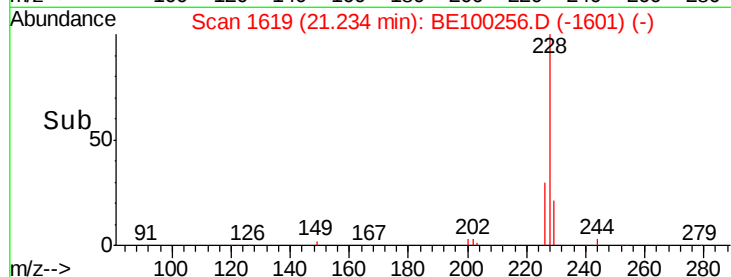
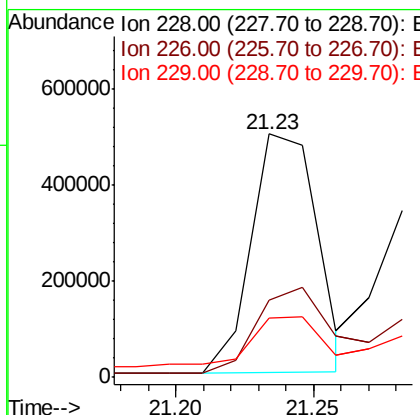
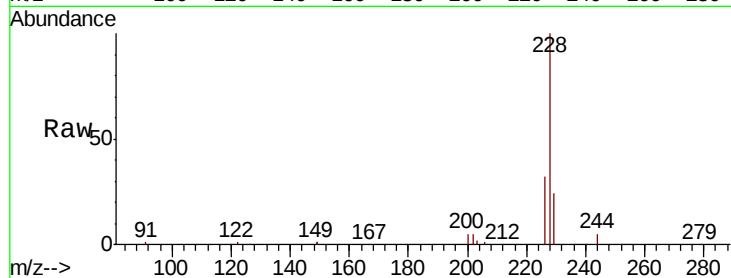
#30
Benzo(a)anthracene
Concen: 35.238 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.2	34.8
229	24.3	15.7	23.5

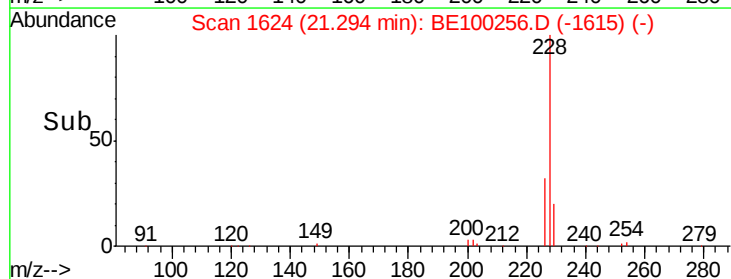
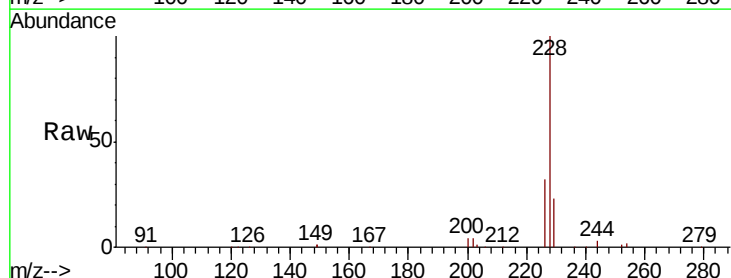
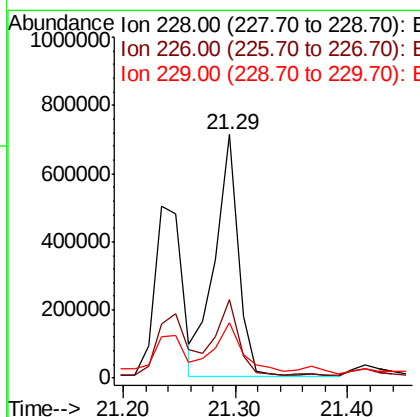
Manual Integrations
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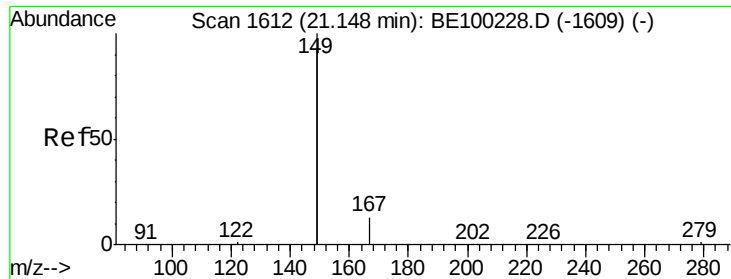
mohammad
7/1/2019 3:08:04 PM



#31
Chrysene
Concen: 43.641 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	22.7	16.5	24.7





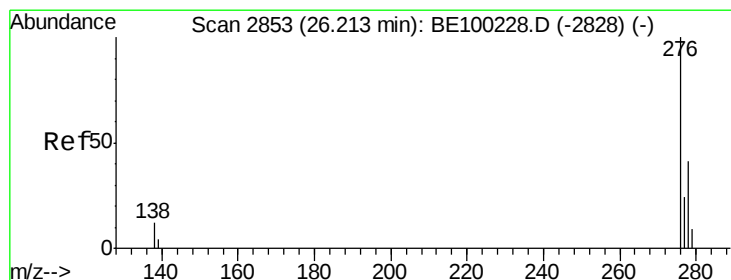
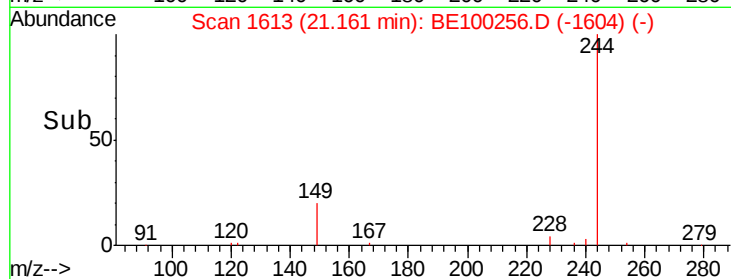
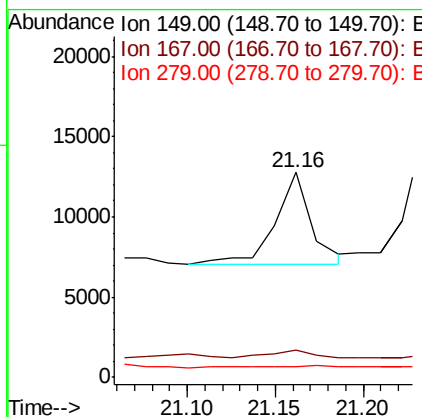
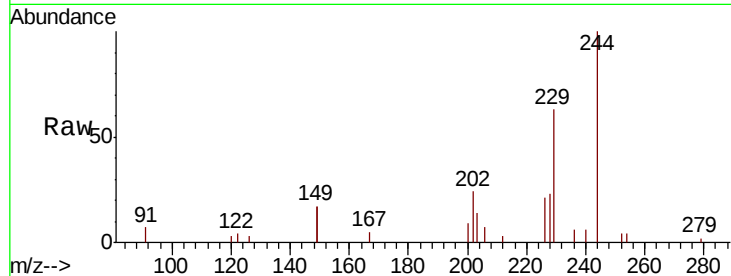
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.129 ng
 RT: 21.16 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BE100256.D
 Acq: 29 Jun 2019 4:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	11.7	5.8	8.8#
279	1.6	1.1	1.7

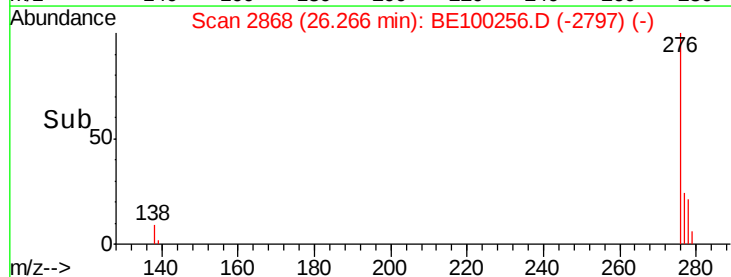
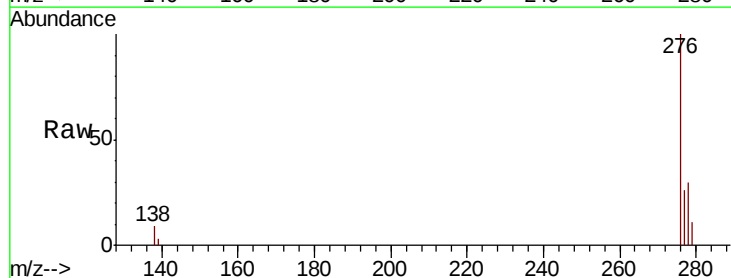
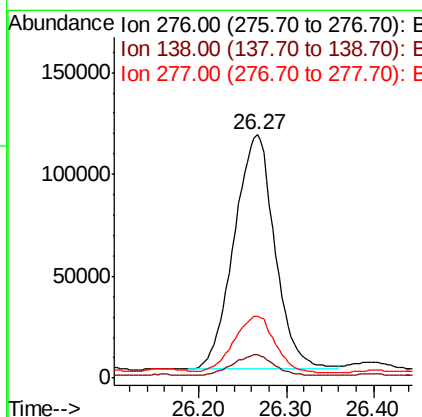
Manual Integrations
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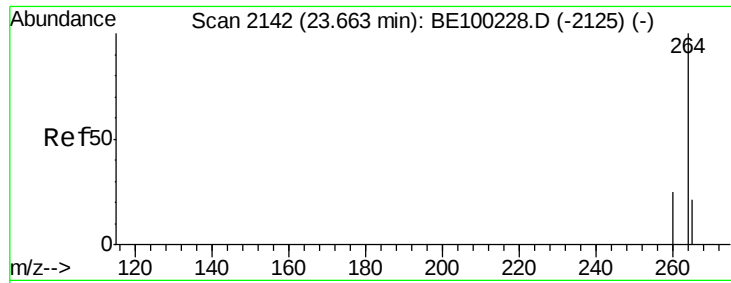
mohammad
 7/1/2019 3:08:04 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 11.991 ng
 RT: 26.27 min Scan# 2868
 Delta R.T. 0.05 min
 Lab File: BE100256.D
 Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.7	9.4	14.0#
277	24.4	19.2	28.8





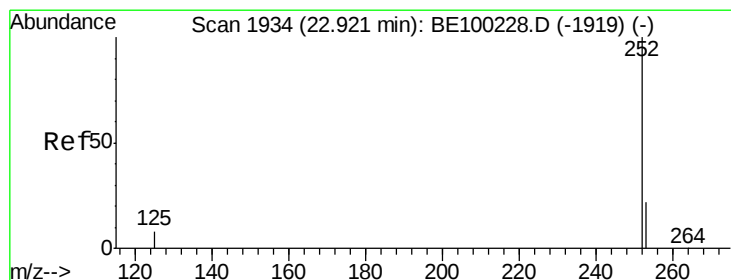
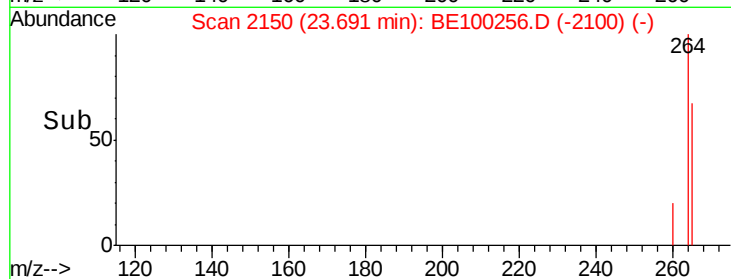
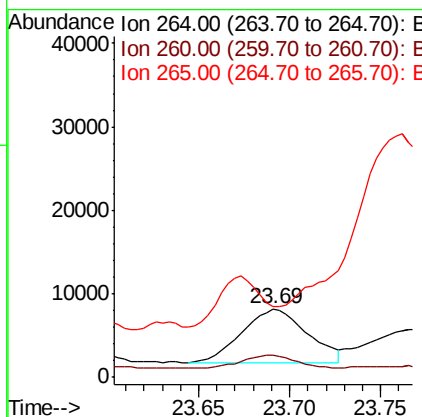
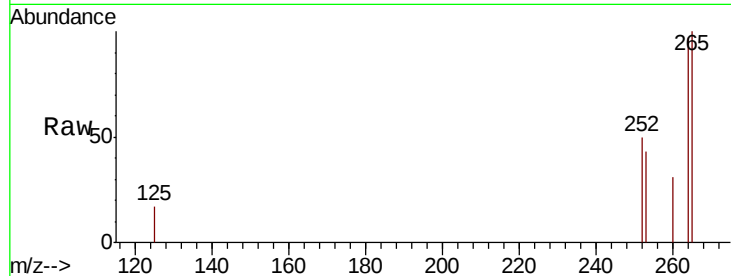
#34
Pervlene-d12
Concen: 0.800 ng
RT: 23.69 min Scan# 2150
Delta R.T. 0.03 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	32.4	20.8	31.2#
265	103.4	21.8	32.6#

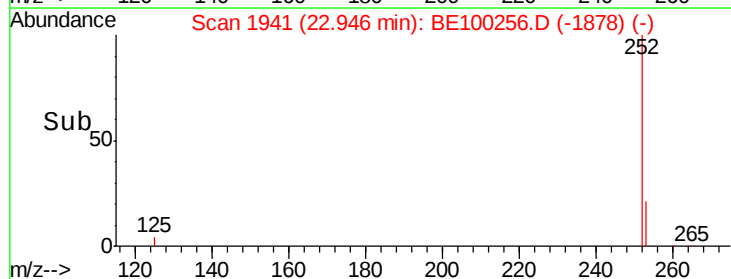
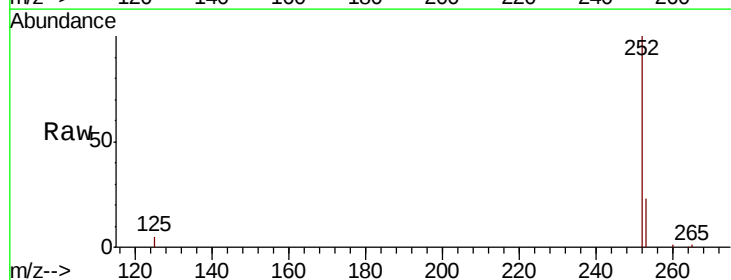
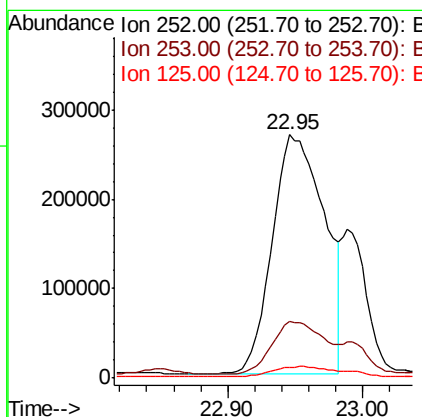
Manual Integrations
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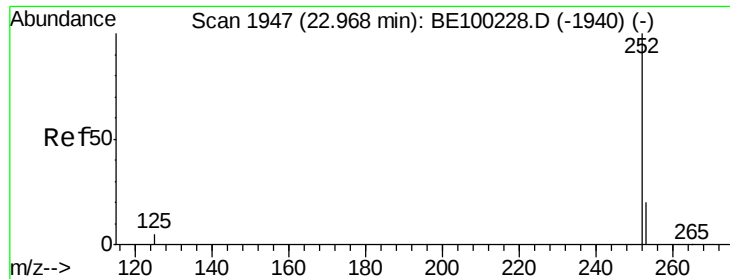
mohammad
7/1/2019 3:08:04 PM



#35
Benzo(b)fluoranthene
Concen: 33.534 ng
RT: 22.95 min Scan# 1941
Delta R.T. 0.02 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	4.5	7.4	11.0#





#36

Benzo(k)fluoranthene

Concen: 8.990 ng

RT: 22.99 min Scan# 1953

Delta R.T. 0.02 min

Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Instrument :

BNA_E

ClientSampleId :

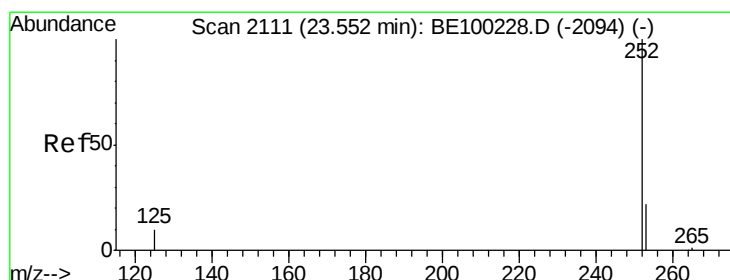
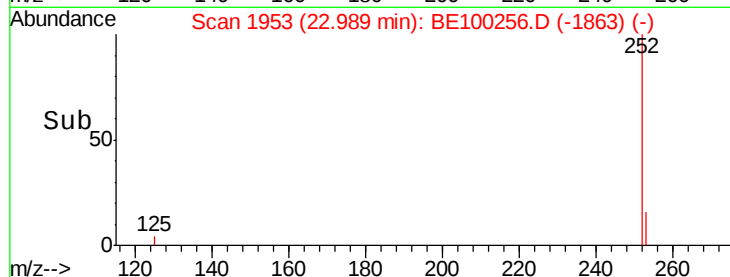
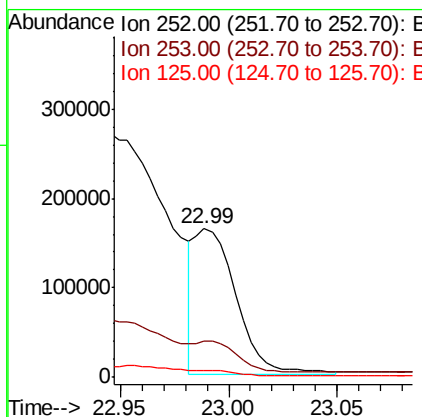
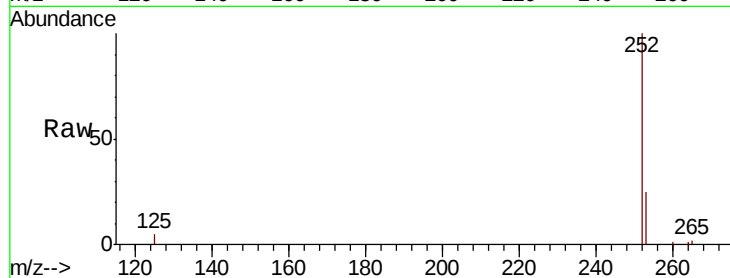
PST-084-B041-061319

Tot Ion:252 Resp: 215483

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	5.0	5.0	7.4

Manual Integrations
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mohammad
7/1/2019 3:08:04 PM



#37

Benzo(a)pyrene

Concen: 30.670 ng

RT: 23.58 min Scan# 2120

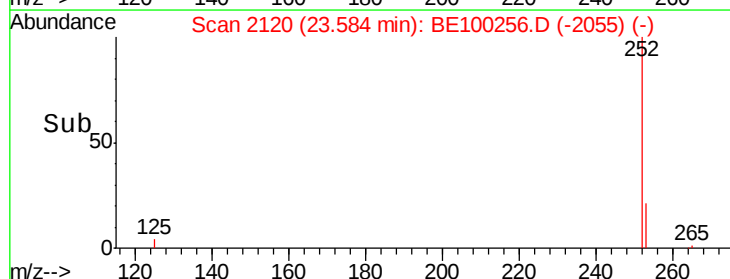
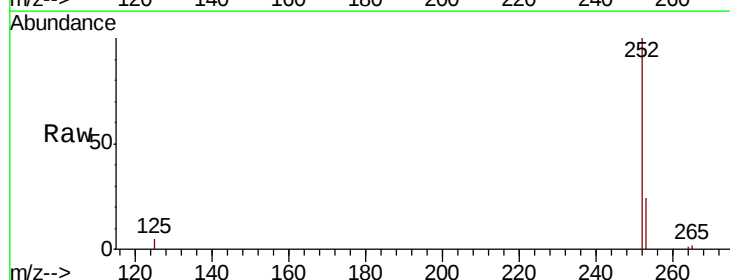
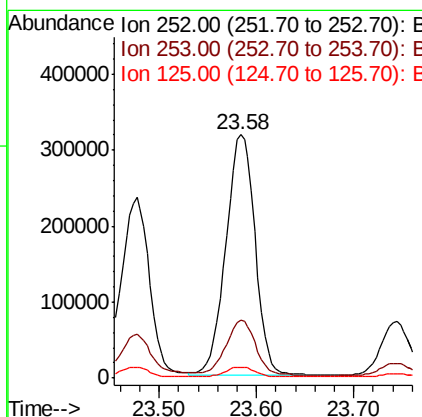
Delta R.T. 0.03 min

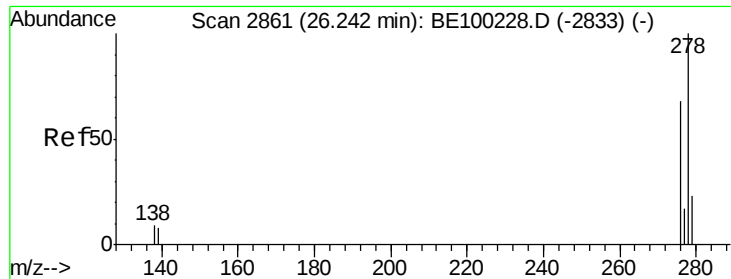
Lab File: BE100256.D

Acq: 29 Jun 2019 4:04

Tgt Ion:252 Resp: 660084

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.6	29.4
125	4.6	9.0	13.6





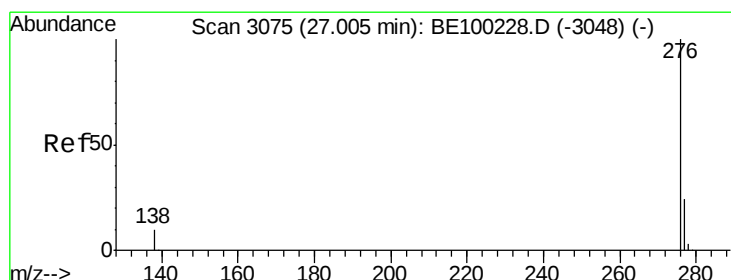
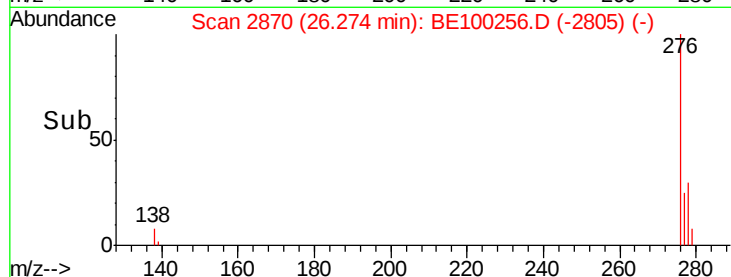
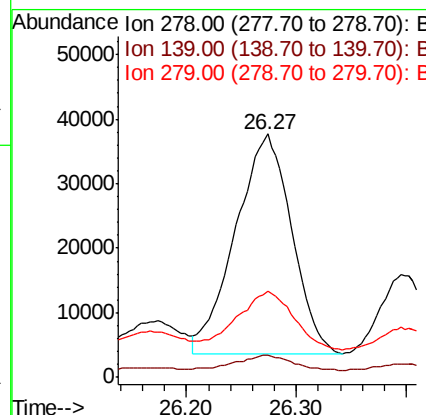
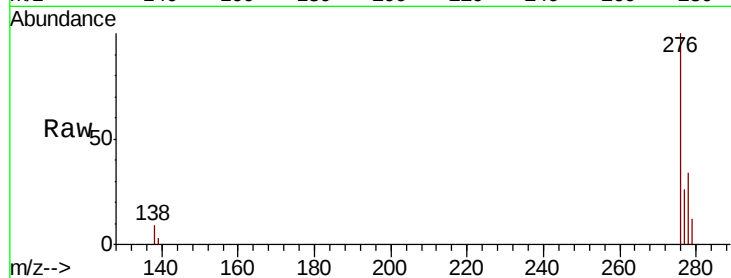
#38
Dibenzo(a,h)anthracene
Concen: 5.344 ng
RT: 26.27 min Scan# 2870
Delta R.T. 0.03 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.9	8.2	12.2
279	35.2	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/1/2019 3:08:04 PM



#39
Benzo(g,h,i)perylene
Concen: 18.986 ng
RT: 27.06 min Scan# 3091
Delta R.T. 0.06 min
Lab File: BE100256.D
Acq: 29 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.2	30.2
138	9.5	9.0	13.6

