

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050619\
 Data File : BE099551.D
 Acq On : 6 May 2019 14:14
 Operator : JU/SJ
 Sample : K2589-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

Manual Integrations
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mohammad
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Quant Time: May 07 12:37:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 08:07:29 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1969	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6986	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4886	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	14439	0.40	ng	0.00
27) Chrysene-d12	21.43	240	20090	0.40	ng	-0.01
34) Perylene-d12	23.98	264	24122	0.40	ng	0.00

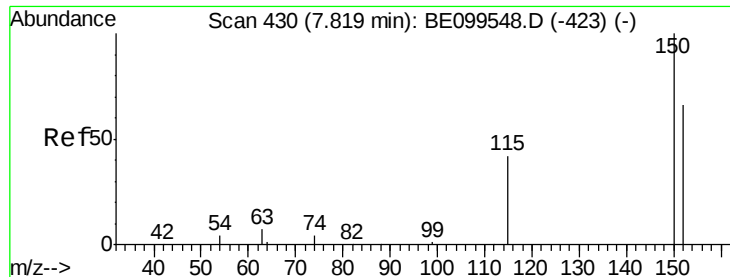
System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	2143	0.39	ng	0.00
5) Phenol-d6	6.99	99	2967	0.41	ng	0.00
8) Nitrobenzene-d5	8.99	82	2509	0.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	4100	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.98	330	1288	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	6143	0.33	ng	0.00
25) Fluoranthene-d10	19.28	212	60810	0.31	ng	0.00
29) Terphenyl-d14	19.87	244	12656	0.34	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.68	128	1737	0.023	ng	# 88
16) Acenaphthylene	14.23	152	1937	0.081	ng	99
18) Fluorene	15.54	166	425	0.021	ng	# 85
23) Phenanthrene	17.28	178	11852	0.318	ng	99
24) Anthracene	17.38	178	1545	0.044	ng	96
26) Fluoranthene	19.31	202	35103	0.629	ng	100
28) Pyrene	19.67	202	40485	0.773	ng	98
30) Benzo(a)anthracene	21.41	228	21127	0.330	ng	# 91
31) Chrysene	21.46	228	21759	0.347	ng	94
32) Bis(2-ethylhexyl)phthalate	21.33	149	12924	0.071	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.69	276	16176	0.219	ng	98
35) Benzo(b)fluoranthene	23.20	252	27798	0.400	ng	# 90
36) Benzo(k)fluoranthene	23.25	252	10375m	0.155	ng	
37) Benzo(a)pyrene	23.87	252	19522	0.297	ng	# 93
38) Dibenzo(a,h)anthracene	26.70	278	3948	0.059	ng	# 54
39) Benzo(g,h,i)perylene	27.53	276	17101	0.254	ng	94

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



#1

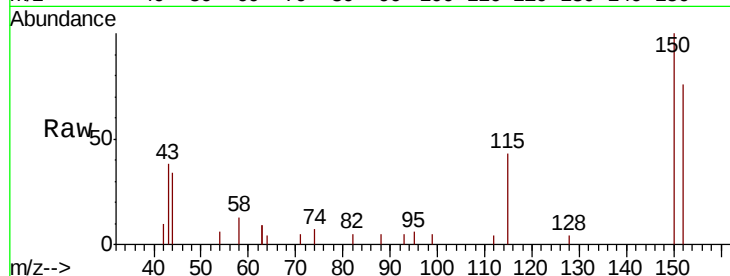
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.01 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
152	100		
150	131.7	104.8	157.2
115	56.5	46.6	69.8

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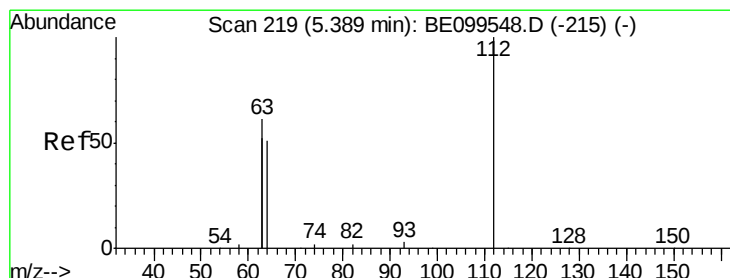
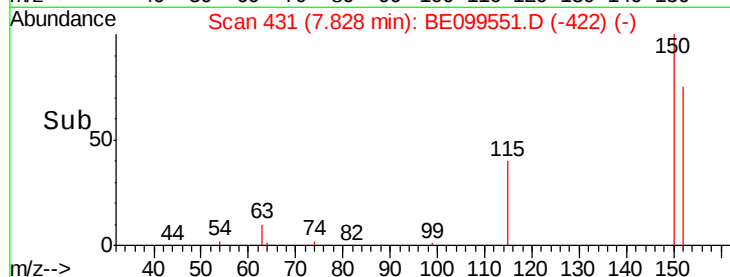
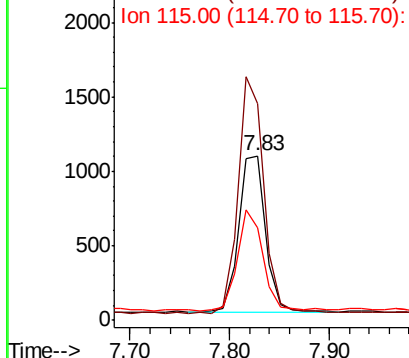


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

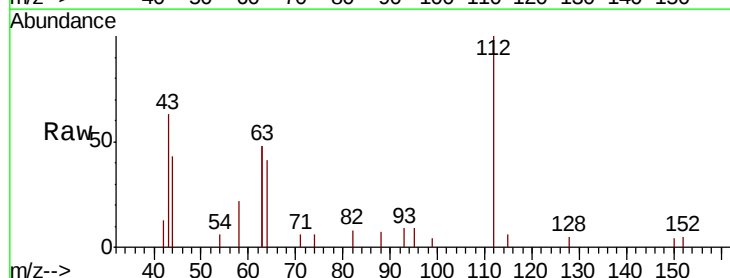
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.394 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.4	71.0
63	123.7	104.3	156.5

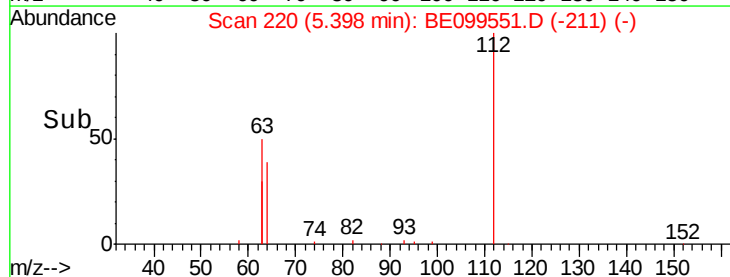
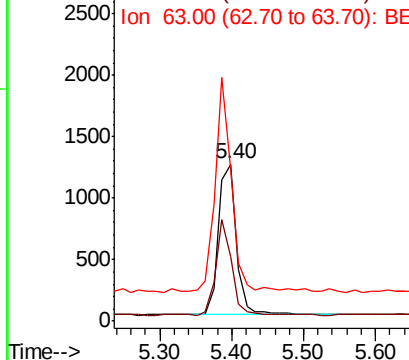


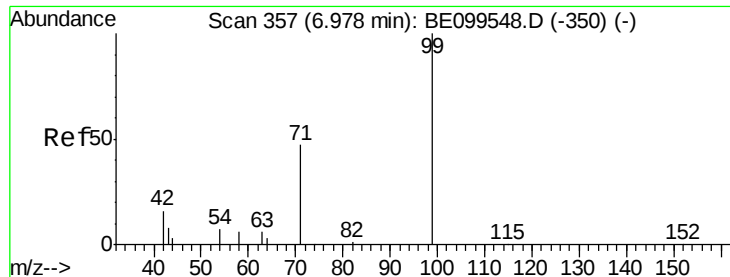
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.410 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099551.D

Acq: 6 May 2019 14:14

Instrument :

BNA_E

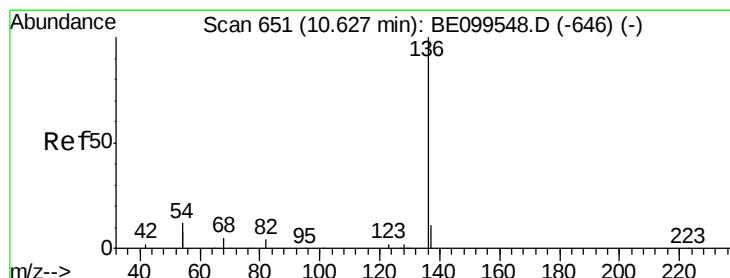
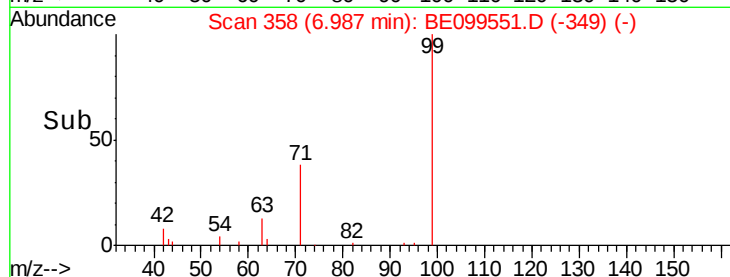
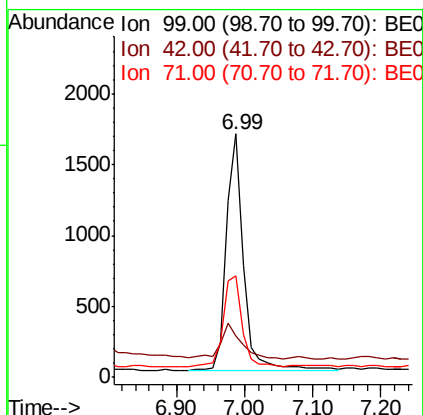
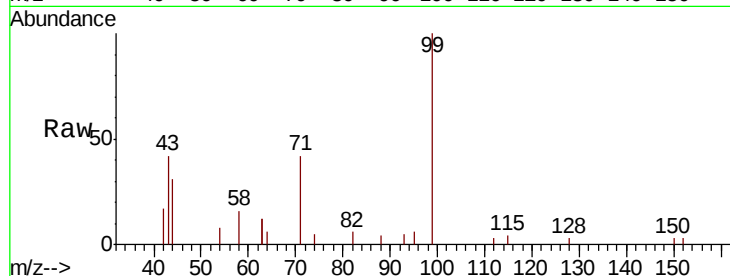
ClientSampleId :

PST-001-SW018-042419

Tot Ion:	99	Resp:	2967
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.9	22.3
71	42.7	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

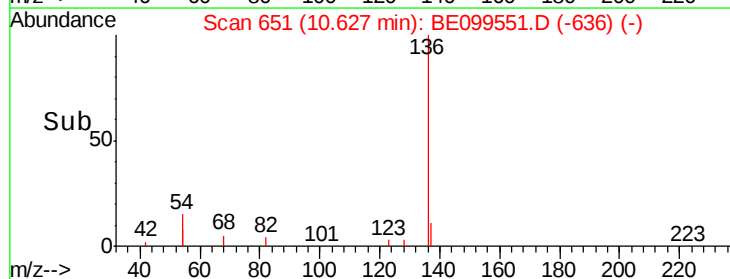
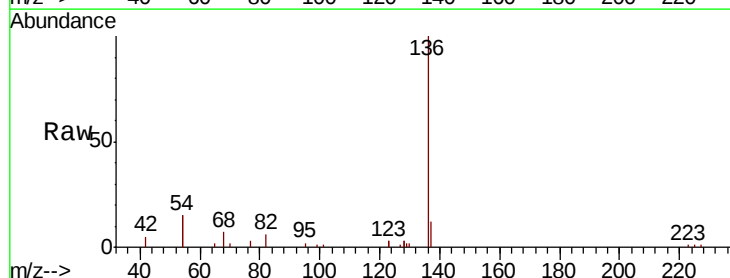
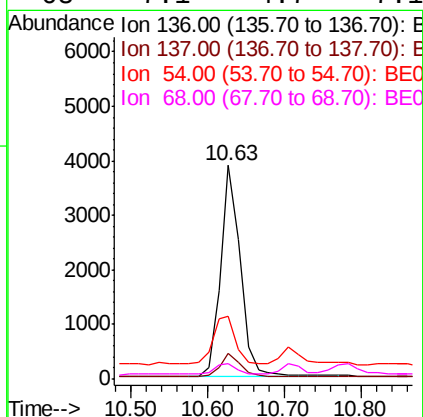
RT: 10.63 min Scan# 651

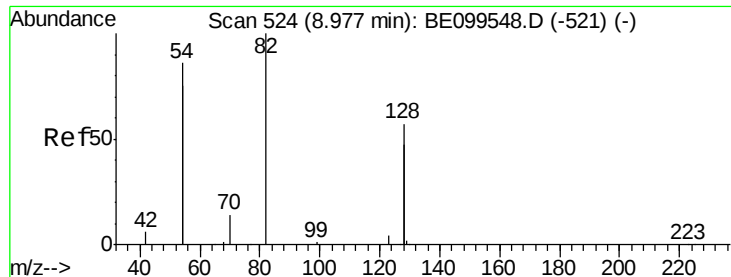
Delta R.T. 0.00 min

Lab File: BE099551.D

Acq: 6 May 2019 14:14

Tgt Ion:	136	Resp:	6986
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	29.2	18.5	27.7#
68	7.1	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.383 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099551.D

Acq: 6 May 2019 14:14

Instrument :

BNA_E

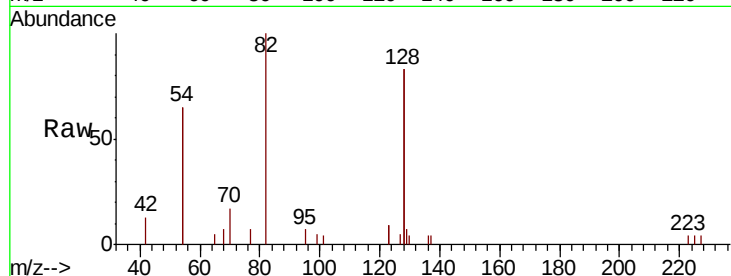
ClientSampleId :

PST-001-SW018-042419

Tot Ion:	82	Resp:	2509
Ion Ratio	Lower	Upper	
82	100		
128	165.8	107.0	160.4#
54	130.8	113.1	169.7

Manual Integrations
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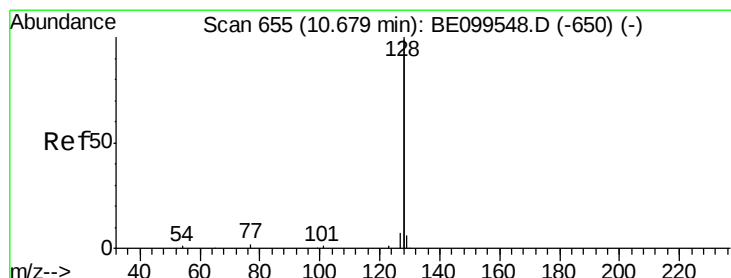
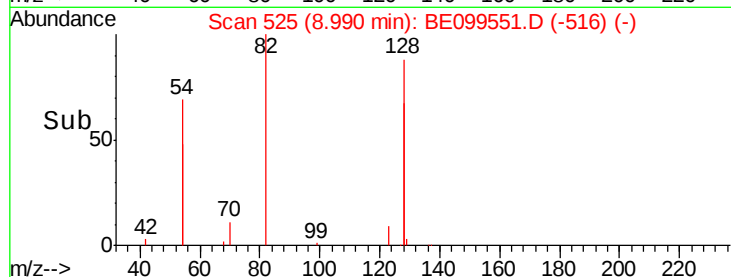
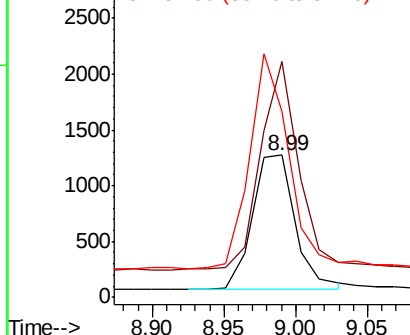


Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.023 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099551.D

Acq: 6 May 2019 14:14

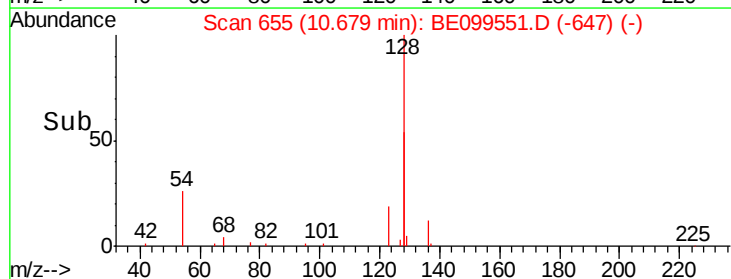
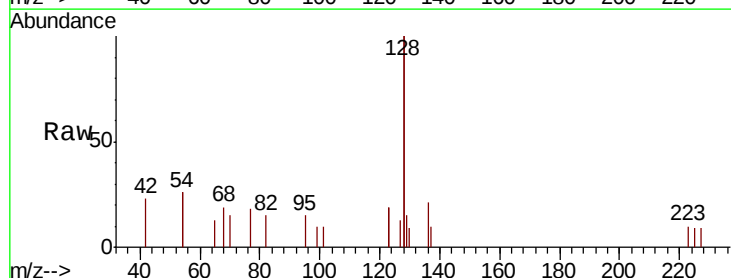
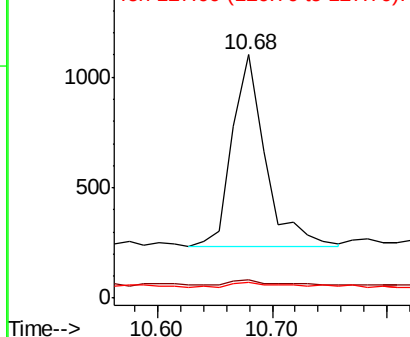
Tgt Ion:	128	Resp:	1737
Ion Ratio	Lower	Upper	
128	100		
129	7.7	2.4	3.6#
127	6.6	2.8	4.2#

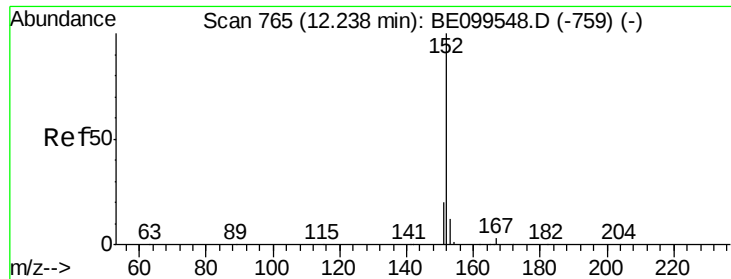
Abundance

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





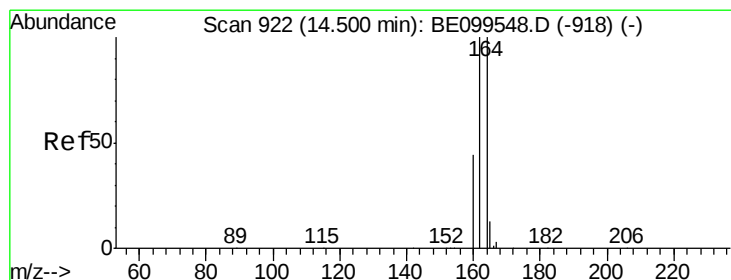
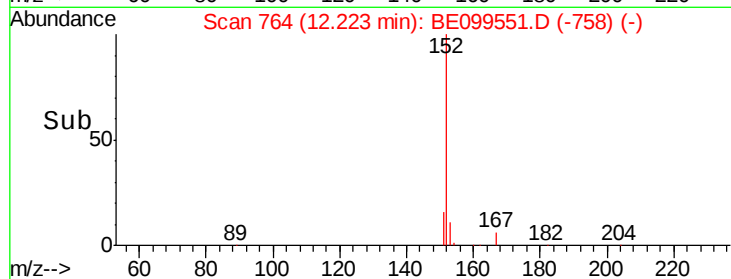
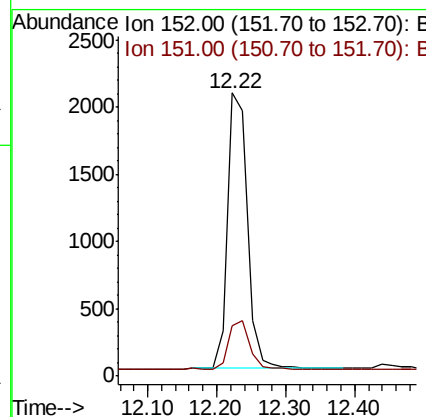
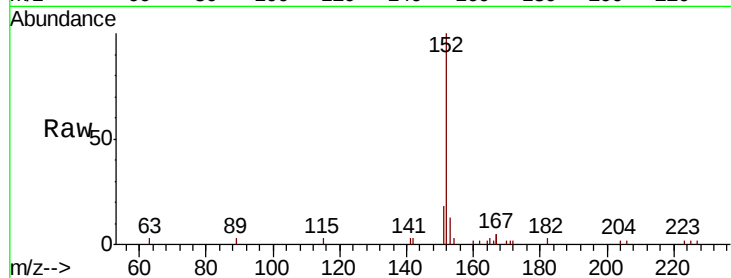
#11
 2-Methylnaphthalene-d10
 Concen: 0.326 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3

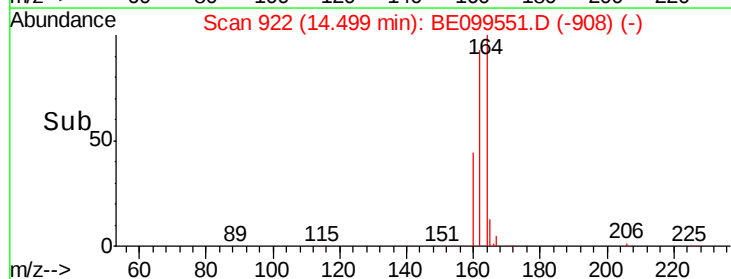
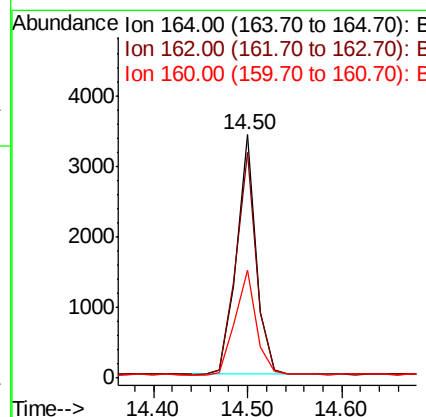
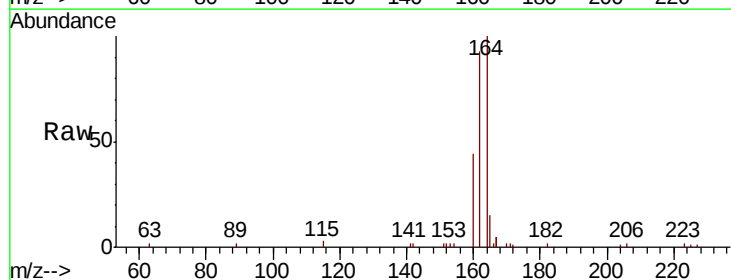
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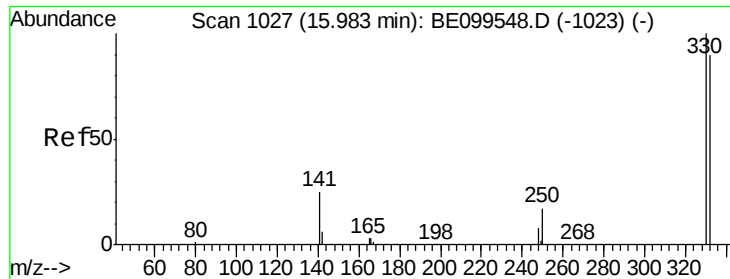
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.8	79.0	118.4
160	44.5	37.0	55.4





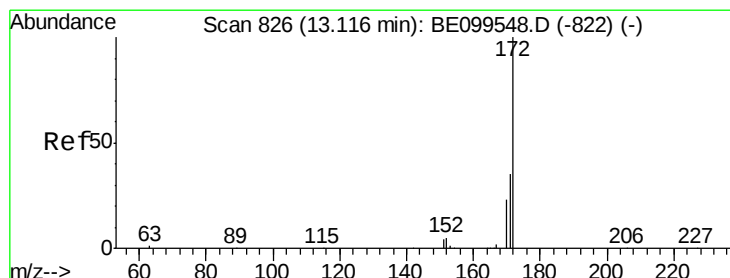
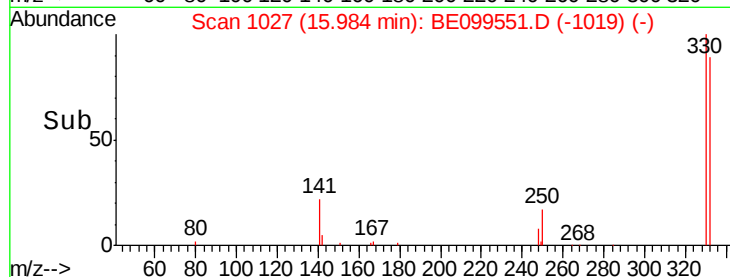
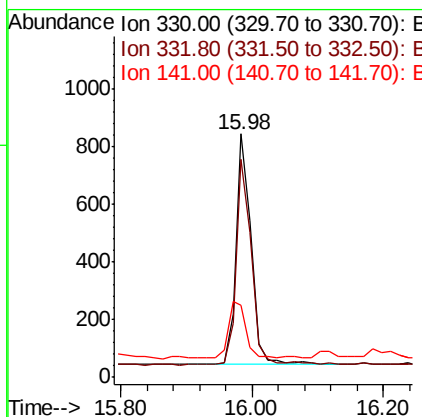
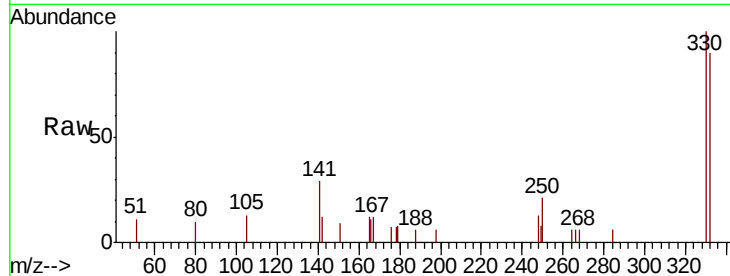
#14
 2,4,6-Tribromophenol
 Concen: 0.418 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
330	100		
332	89.0	71.5	107.3
141	29.2	24.0	36.0

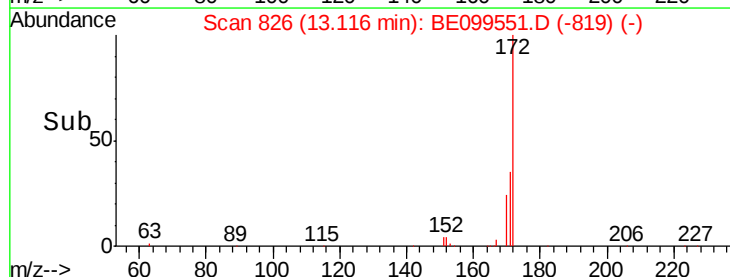
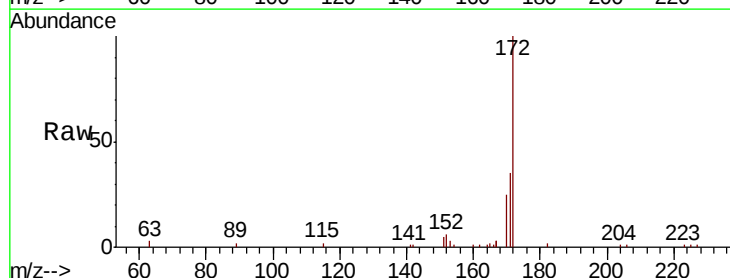
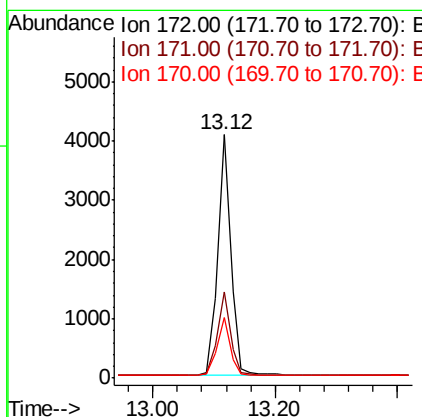
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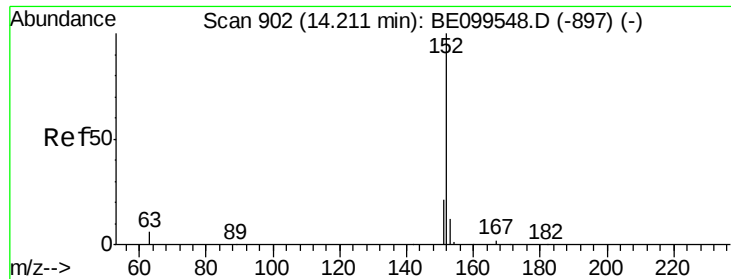
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#15
 2-Fluorobiphenyl
 Concen: 0.330 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.6	39.8
170	24.8	17.0	25.6





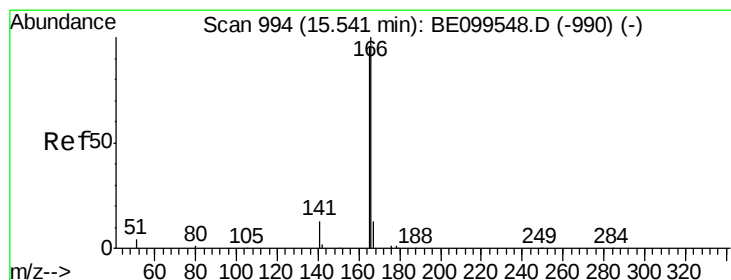
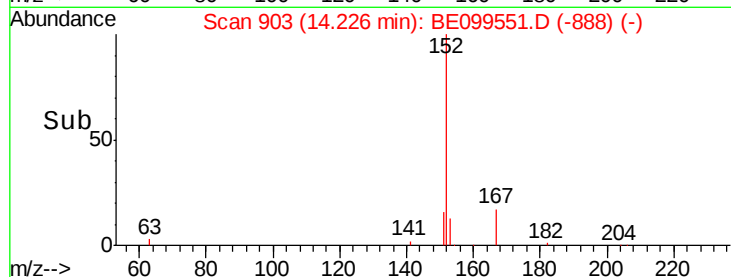
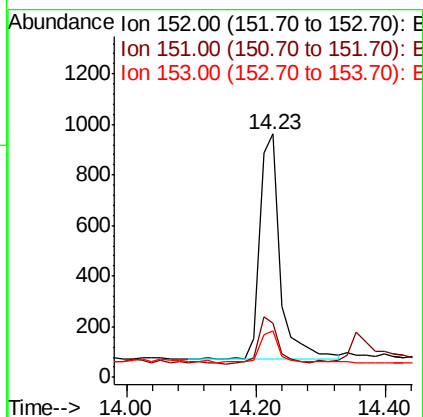
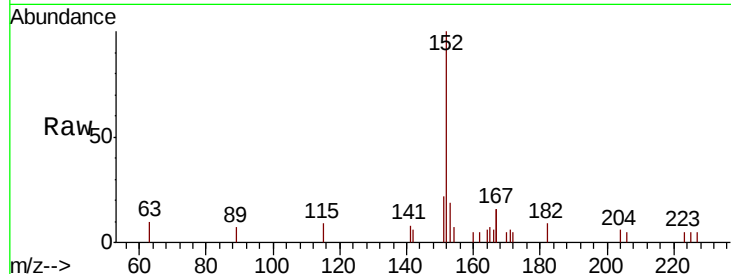
#16
Acenaphthylene
Concen: 0.081 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.2
153	12.3	9.8	14.6

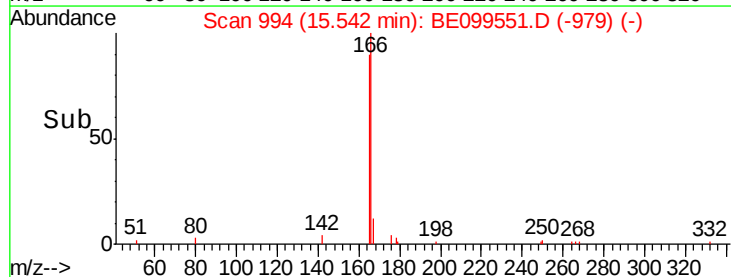
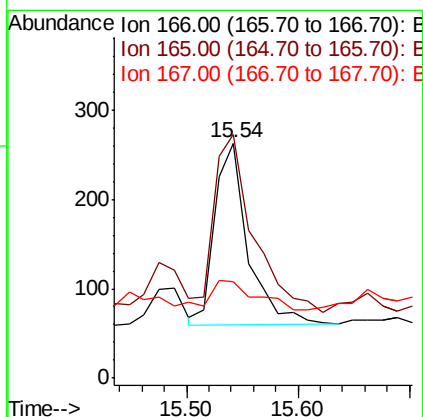
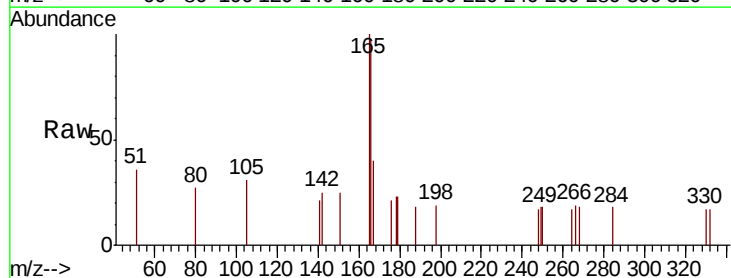
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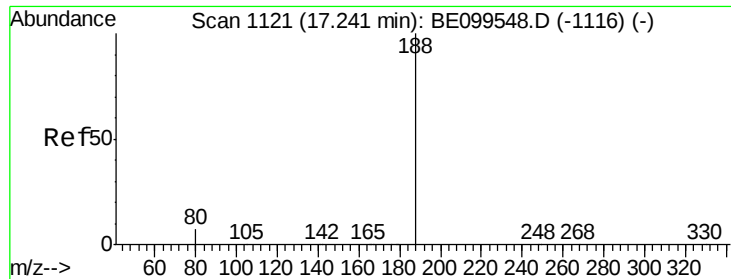
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#18
Fluorene
Concen: 0.021 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.1	80.3	120.5
167	23.1	10.7	16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

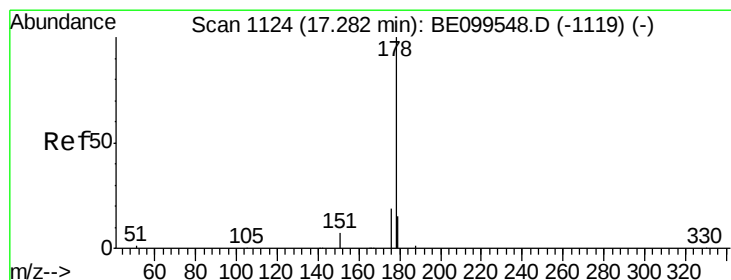
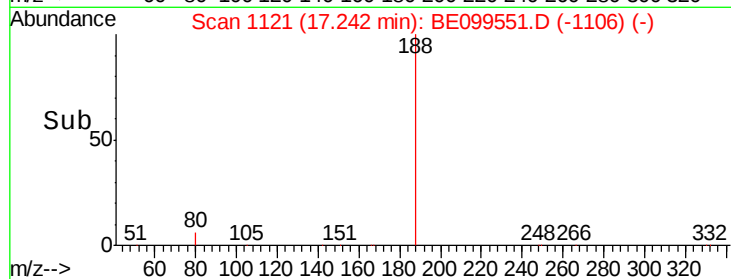
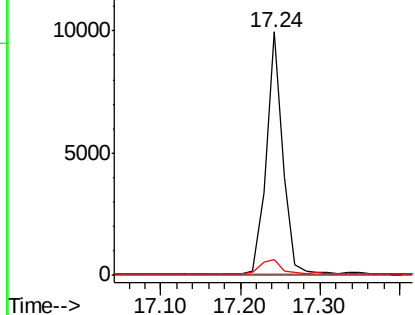
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.4	6.7	10.1#

Manual Integrations
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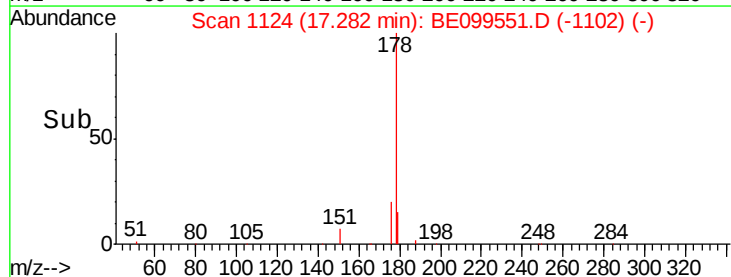
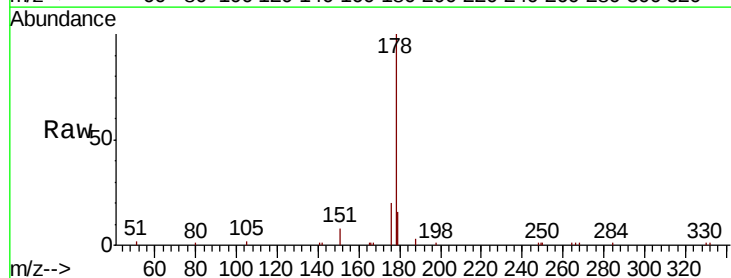
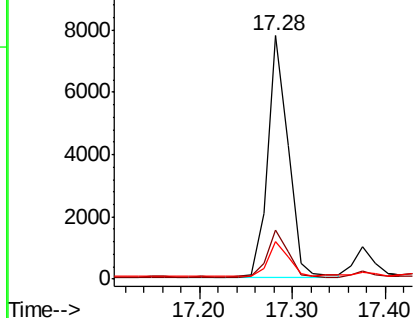
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

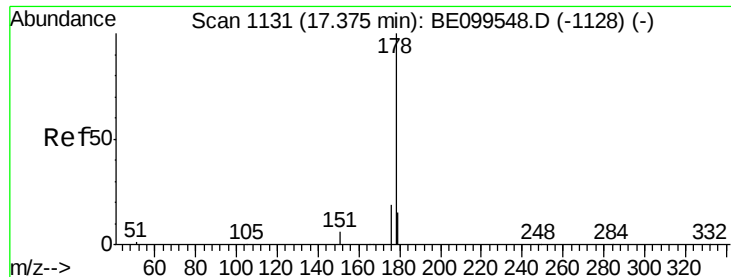


#23
Phenanthrene
Concen: 0.318 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.3	12.0	18.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





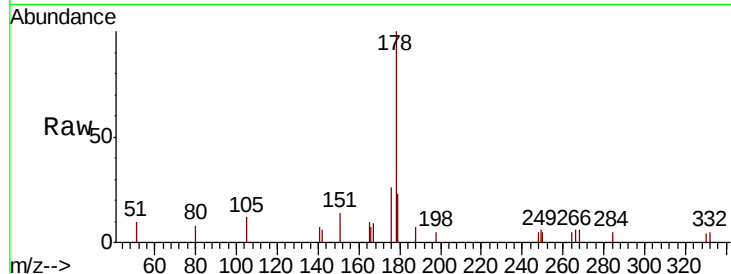
#24
 Anthracene
 Concen: 0.044 ng
 RT: 17.38 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

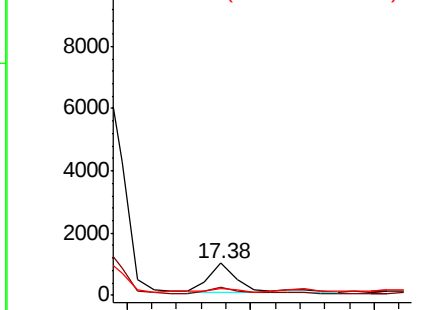
Tot Ion:178	Resp:	1545
Ion Ratio	Lower	Upper
178	100	
176	20.5	14.9 22.3
179	16.8	11.9 17.9

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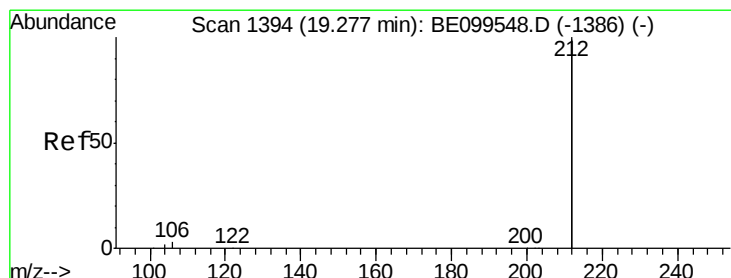
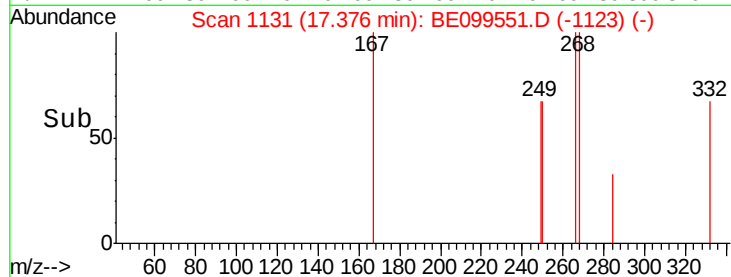
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

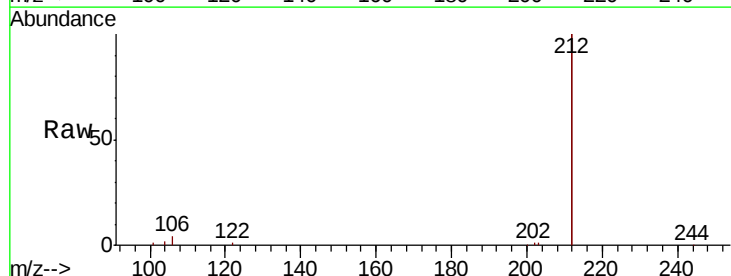


Time-->

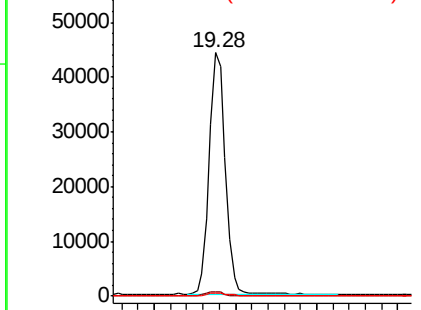


#25
 Fluoranthene-d10
 Concen: 0.312 ng
 RT: 19.28 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

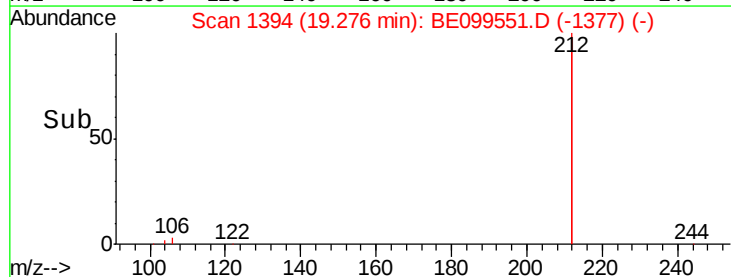
Tgt Ion:212	Resp:	60810
Ion Ratio	Lower	Upper
212	100	
106	1.7	1.5 2.3
104	1.3	0.9 1.3#

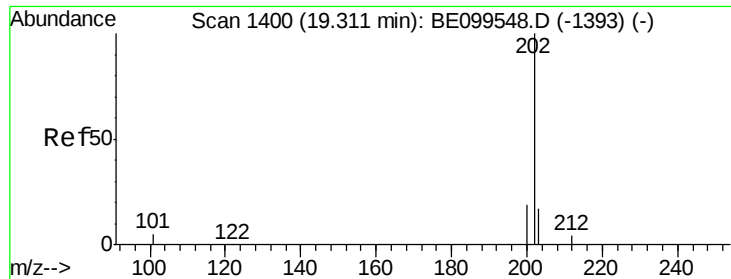


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E



Time-->





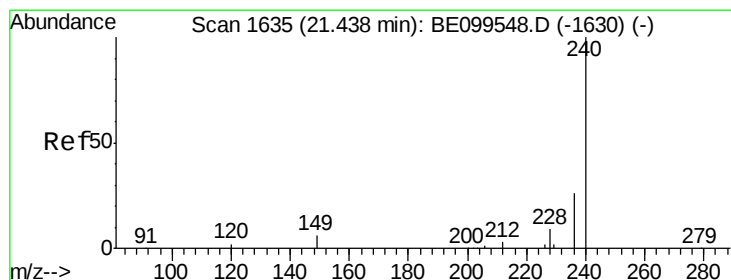
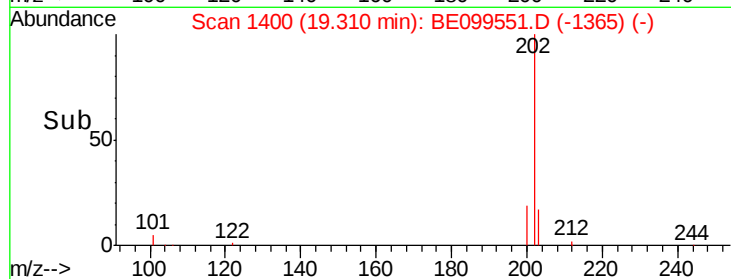
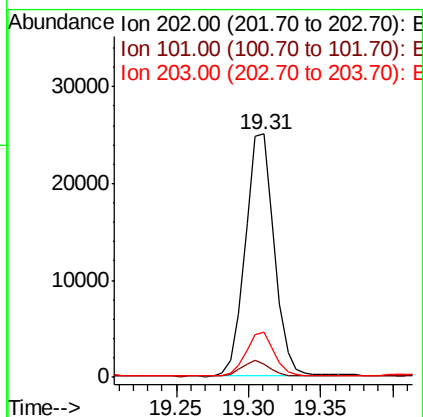
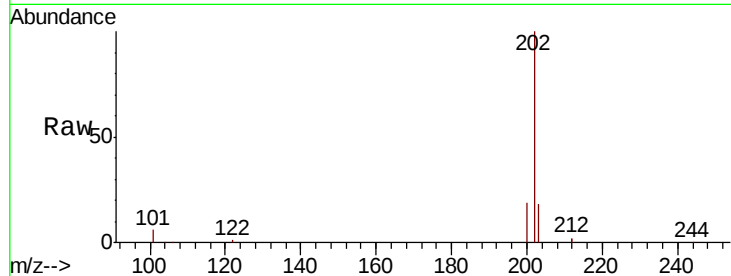
#26
 Fluoranthene
 Concen: 0.629 ng
 RT: 19.31 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

Tot Ion	Ratio	Resp	Lower	Upper
202	100	35103		
101	6.5		5.4	8.0
203	17.5		13.9	20.9

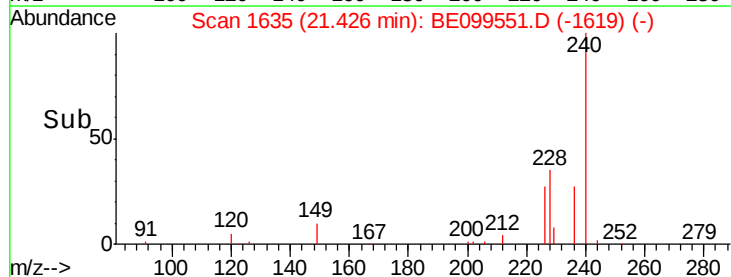
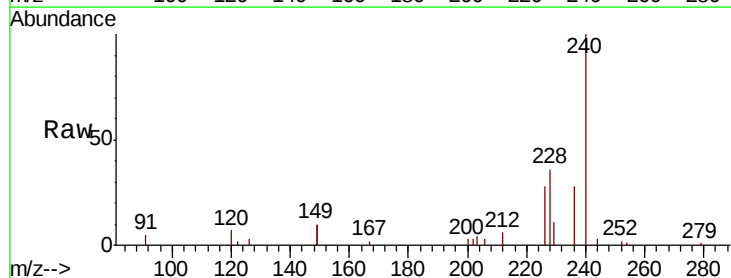
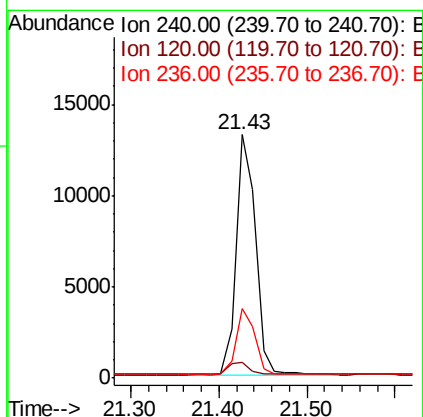
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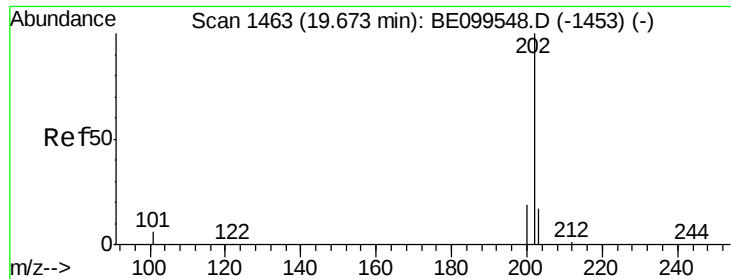
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	20090		
120	6.7		4.0	6.0#
236	28.4		22.0	33.0





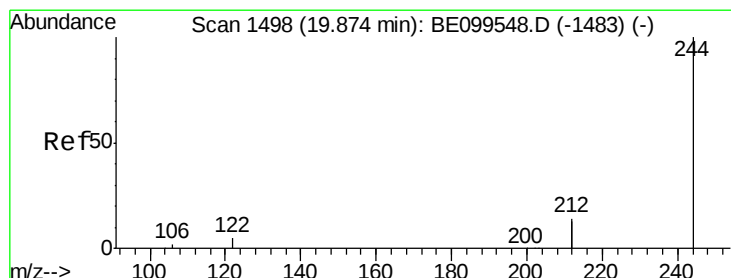
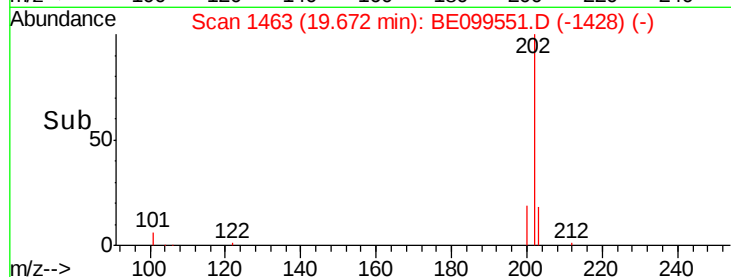
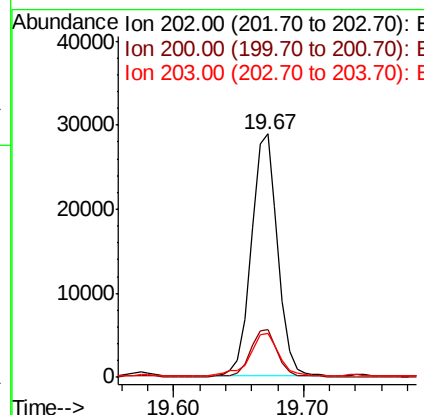
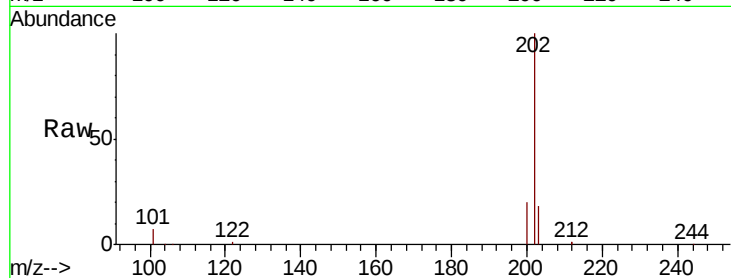
#28
Pvrene
Concen: 0.773 ng
RT: 19.67 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.7	23.5
203	19.4	13.9	20.9

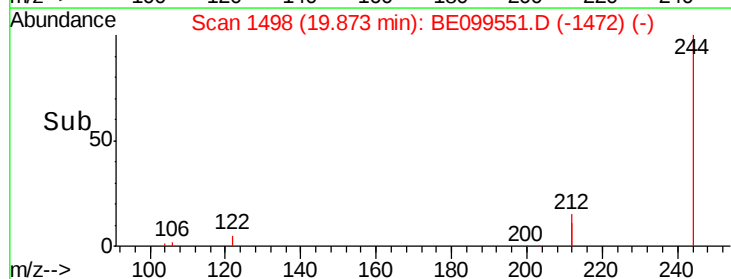
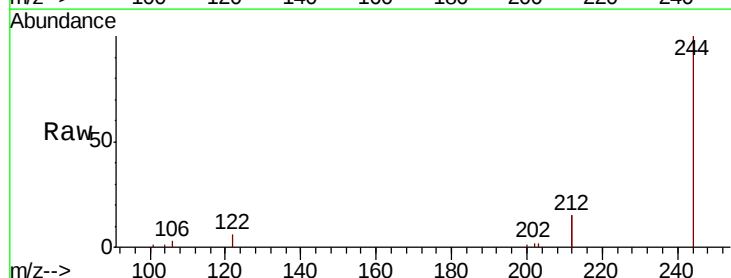
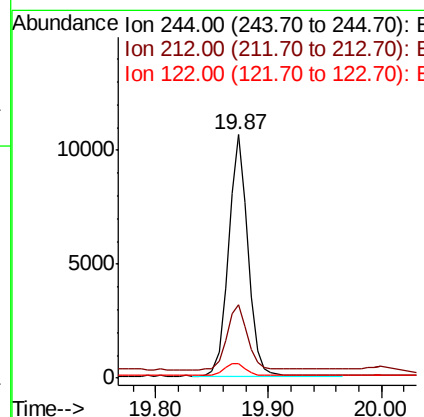
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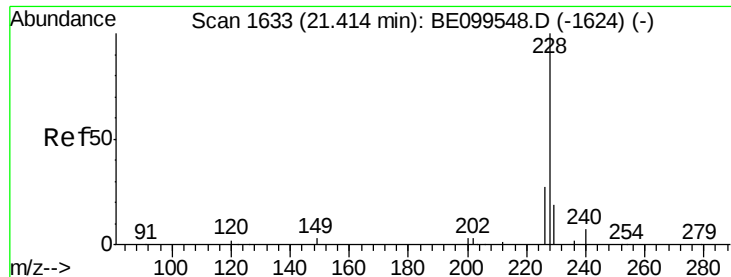
mohammad
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#29
Terphenyl-d14
Concen: 0.344 ng
RT: 19.87 min Scan# 1498
Delta R.T. -0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	30.0	23.2	34.8
122	5.9	4.2	6.4





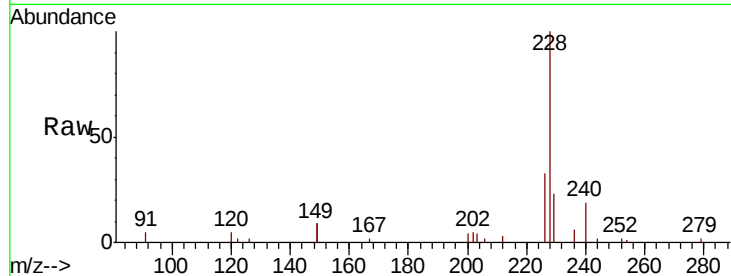
#30
Benzo(a)anthracene
Concen: 0.330 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	21.0	31.6#
229	22.9	16.6	25.0

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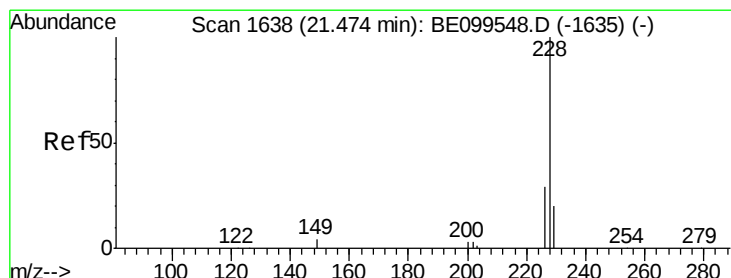
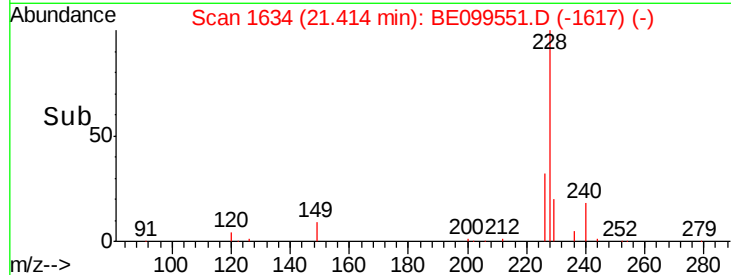
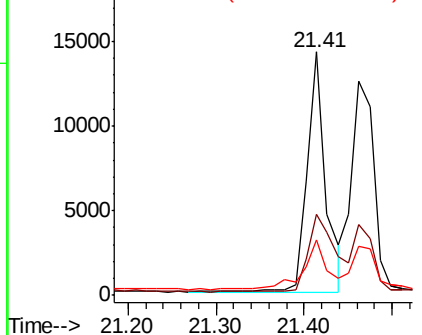


Abundance

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: 0.347 ng
RT: 21.46 min Scan# 1638
Delta R.T. -0.01 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

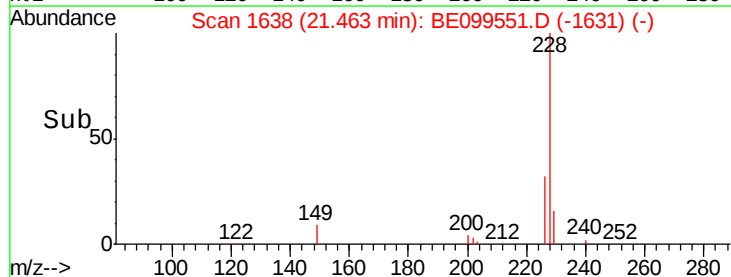
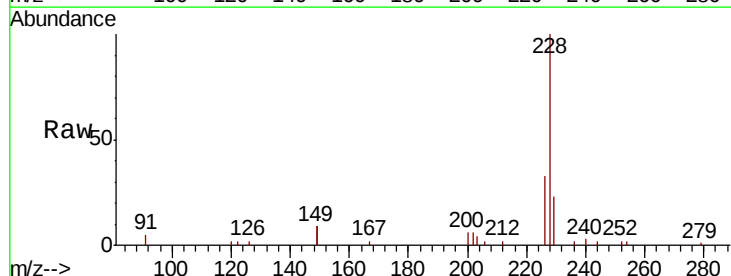
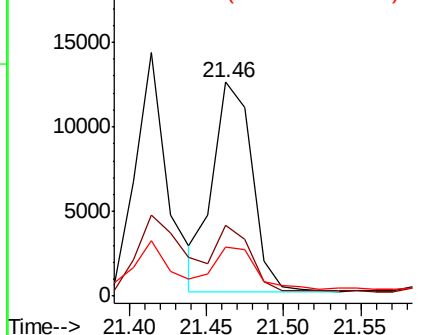
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.0	36.0
229	23.1	15.8	23.8

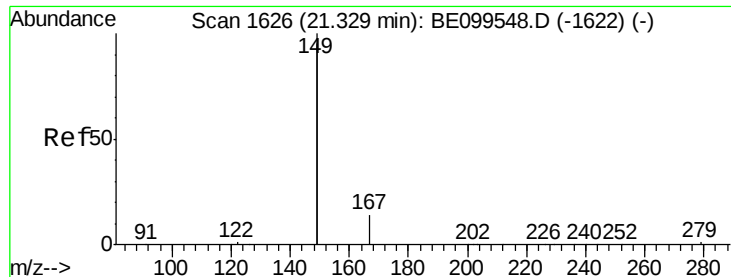
Abundance

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: 0.071 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE099551.D

Acq: 6 May 2019 14:14

Instrument :

BNA_E

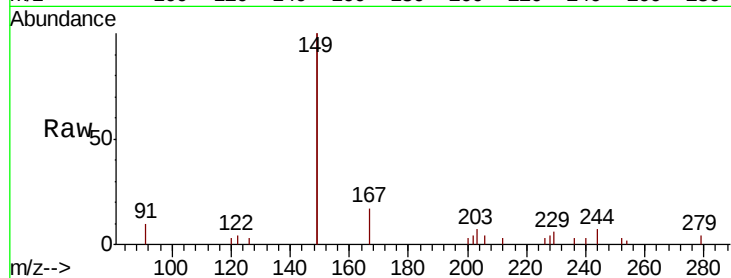
ClientSampleId :

PST-001-SW018-042419

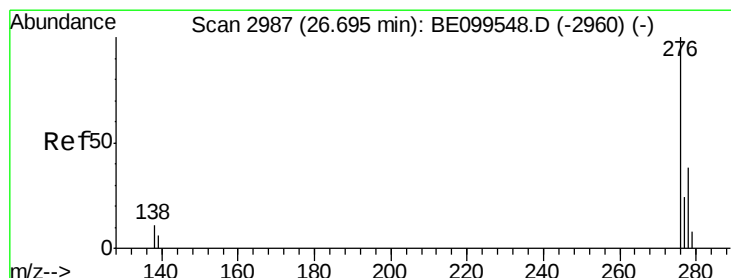
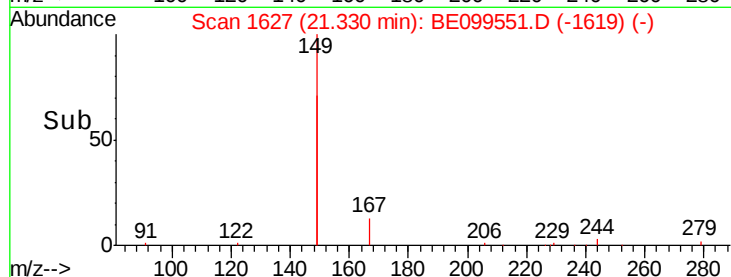
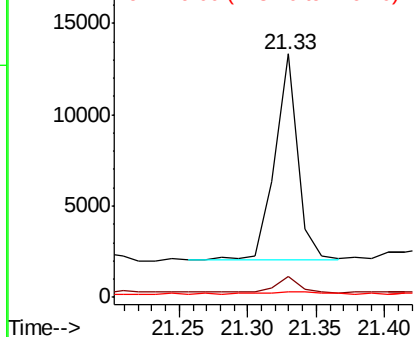
Tot Ion:	149	Resp:	12924
Ion Ratio	Lower	Upper	
149	100		
167	7.6	5.8	8.6
279	2.5	1.0	1.6#

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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: 0.219 ng

RT: 26.69 min Scan# 2987

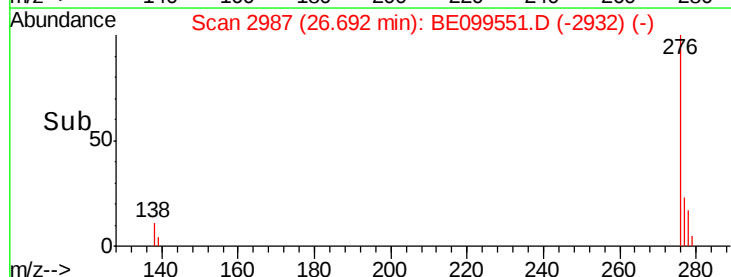
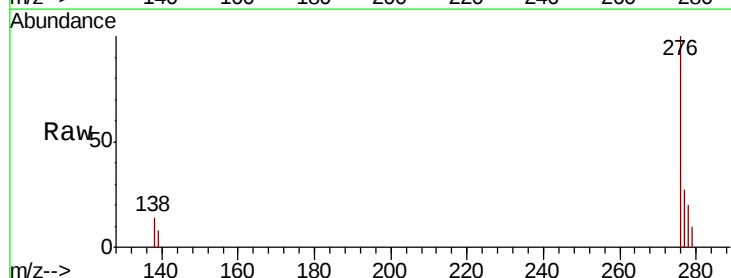
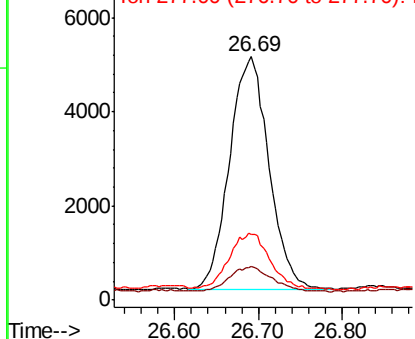
Delta R.T. -0.00 min

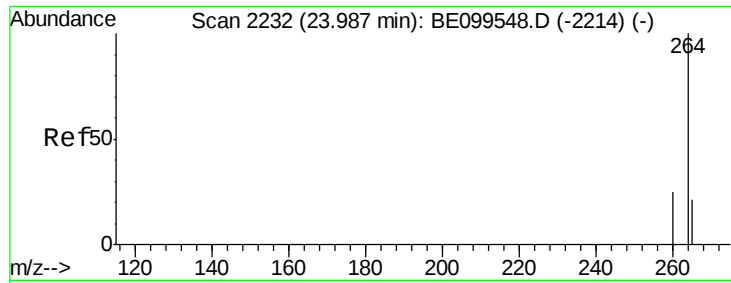
Lab File: BE099551.D

Acq: 6 May 2019 14:14

Tgt Ion:	276	Resp:	16176
Ion Ratio	Lower	Upper	
276	100		
138	10.8	10.2	15.2
277	24.0	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





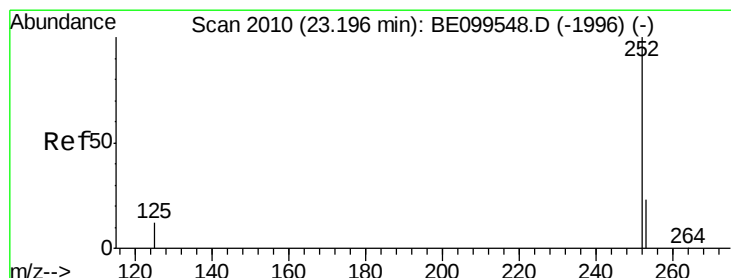
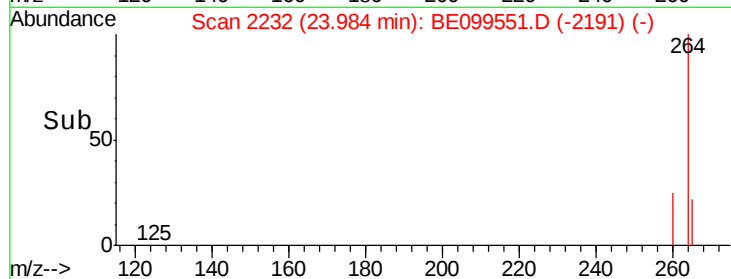
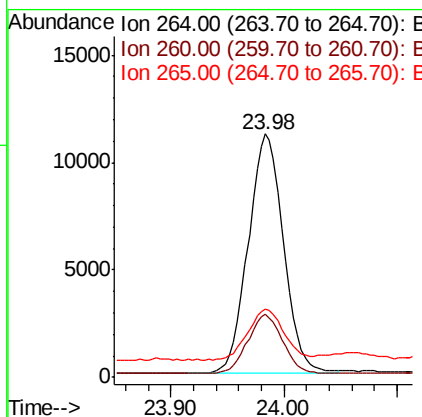
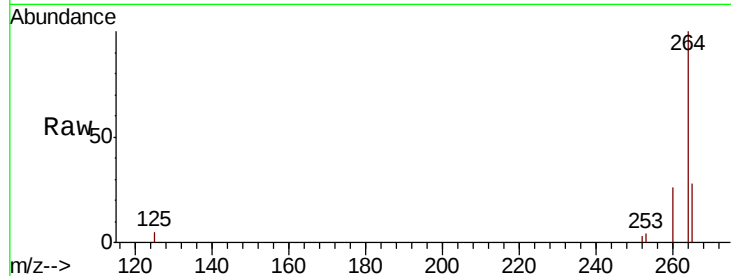
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.2	30.2
265	28.1	21.3	31.9

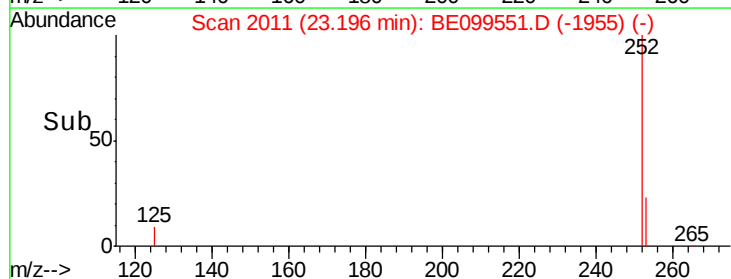
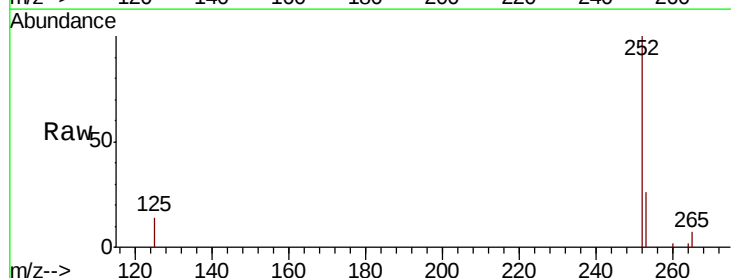
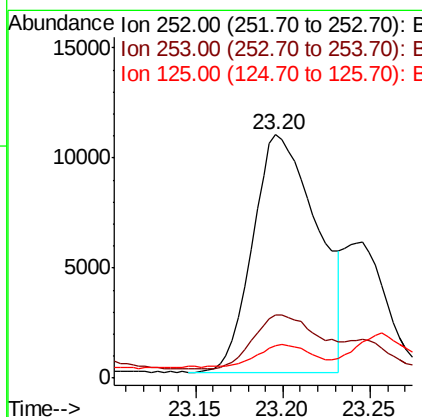
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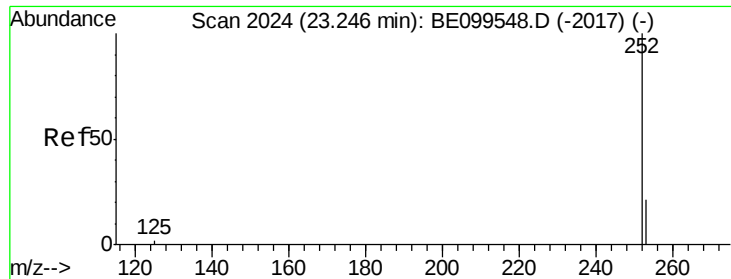
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: BE099551.D
 Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	13.5	5.6	8.4





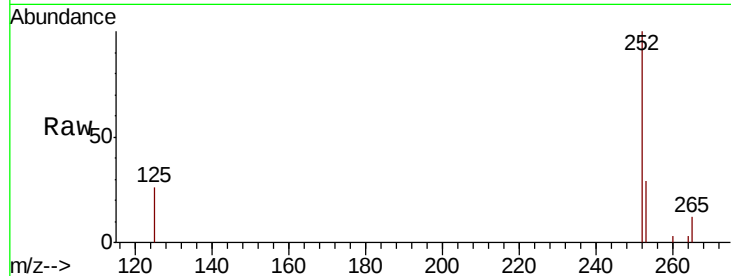
#36
Benzo(k)fluoranthene
Concen: 0.155 ng m
RT: 23.25 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

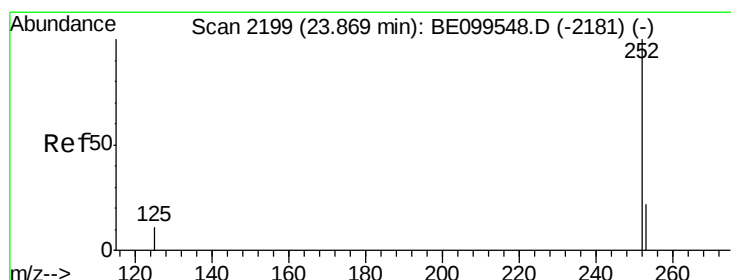
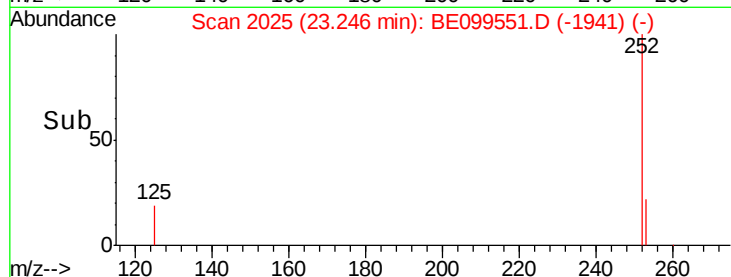
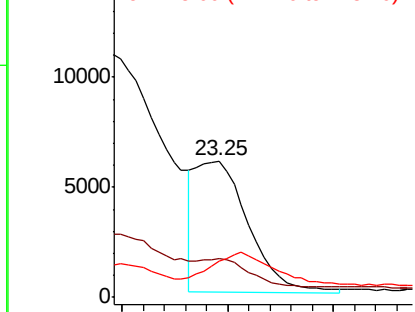
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.4	27.6#
125	26.3	5.0	7.4#

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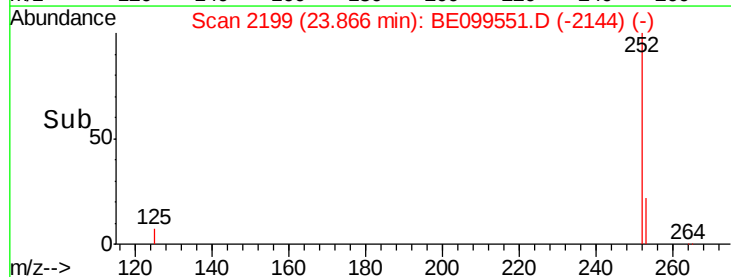
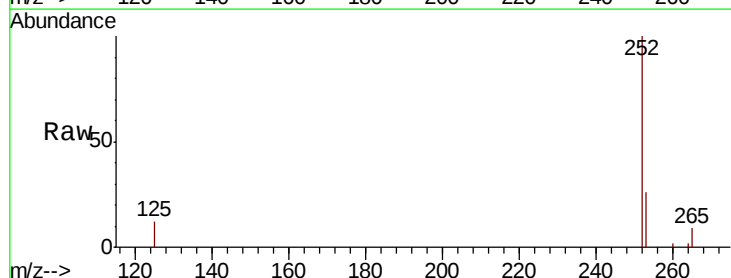
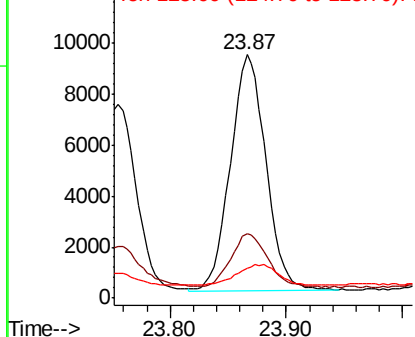
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

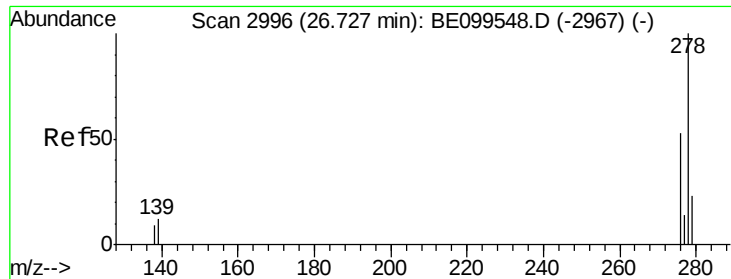


#37
Benzo(a)pyrene
Concen: 0.297 ng
RT: 23.87 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.9	28.3
125	12.3	6.7	10.1#

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





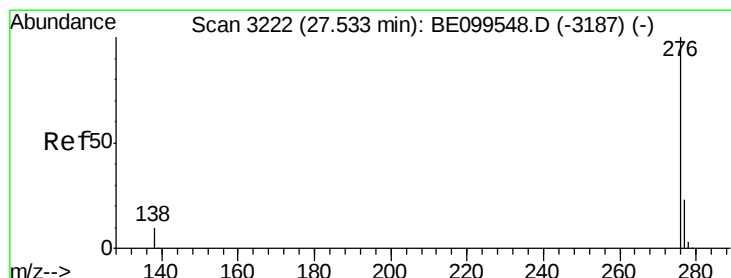
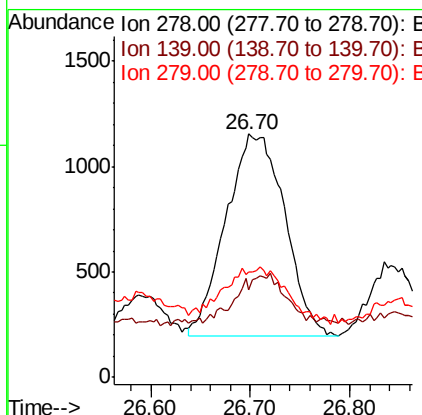
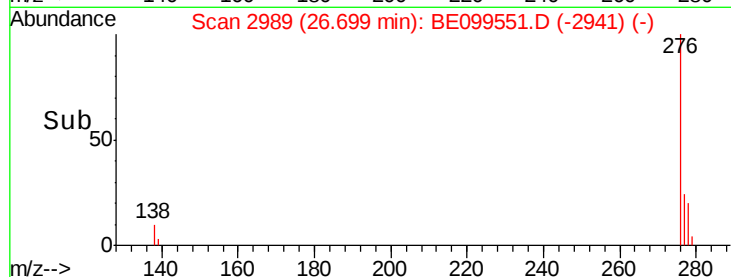
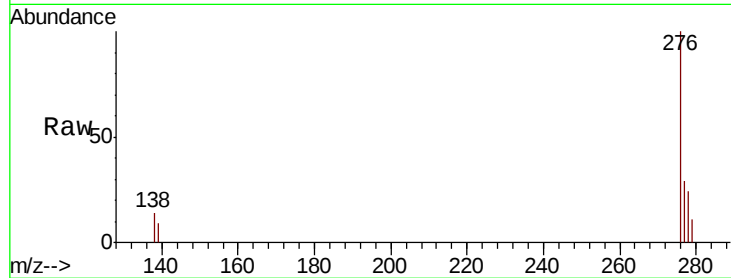
#38
Dibenzo(a,h)anthracene
Concen: 0.059 ng
RT: 26.70 min Scan# 2989
Delta R.T. -0.03 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :
PST-001-SW018-042419

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.7	7.7	11.5#
279	43.4	20.2	30.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.254 ng
RT: 27.53 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BE099551.D
Acq: 6 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.5	29.3
138	13.3	9.6	14.4

