

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099423.D
 Acq On : 30 Apr 2019 13:10
 Operator : JU/SJ
 Sample : K2587-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B171-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:20 PM

Quant Time: May 01 01:06:01 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2575	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8435	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5541	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	16158	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26674	0.40	ng	0.00
34) Perylene-d12	23.86	264	34668	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2620	0.37	ng	0.00
5) Phenol-d6	6.97	99	3571	0.38	ng	0.00
8) Nitrobenzene-d5	8.96	82	2804	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5240	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1088	0.31	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7948	0.38	ng	-0.02
25) Fluoranthene-d10	19.22	212	79456	0.36	ng	0.00
29) Terphenyl-d14	19.81	244	17611	0.36	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	1938	0.021	ng	# 91
16) Acenaphthylene	14.18	152	881	0.032	ng	# 96
18) Fluorene	15.49	166	500	0.022	ng	# 84
23) Phenanthrene	17.23	178	9640	0.231	ng	98
24) Anthracene	17.32	178	1579	0.040	ng	# 92
26) Fluoranthene	19.25	202	22820	0.365	ng	100
28) Pyrene	19.61	202	21068	0.303	ng	97
30) Benzo(a)anthracene	21.34	228	15402	0.181	ng	98
31) Chrysene	21.40	228	16701	0.201	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	14211	0.047	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	10990	0.112	ng	98
35) Benzo(b)fluoranthene	23.09	252	20694	0.207	ng	# 92
36) Benzo(k)fluoranthene	23.14	252	9414m	0.098	ng	
37) Benzo(a)pyrene	23.75	252	14811	0.157	ng	# 96
38) Dibenzo(a,h)anthracene	26.52	278	3839	0.040	ng	# 78
39) Benzo(g,h,i)perylene	27.32	276	10292	0.106	ng	95

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

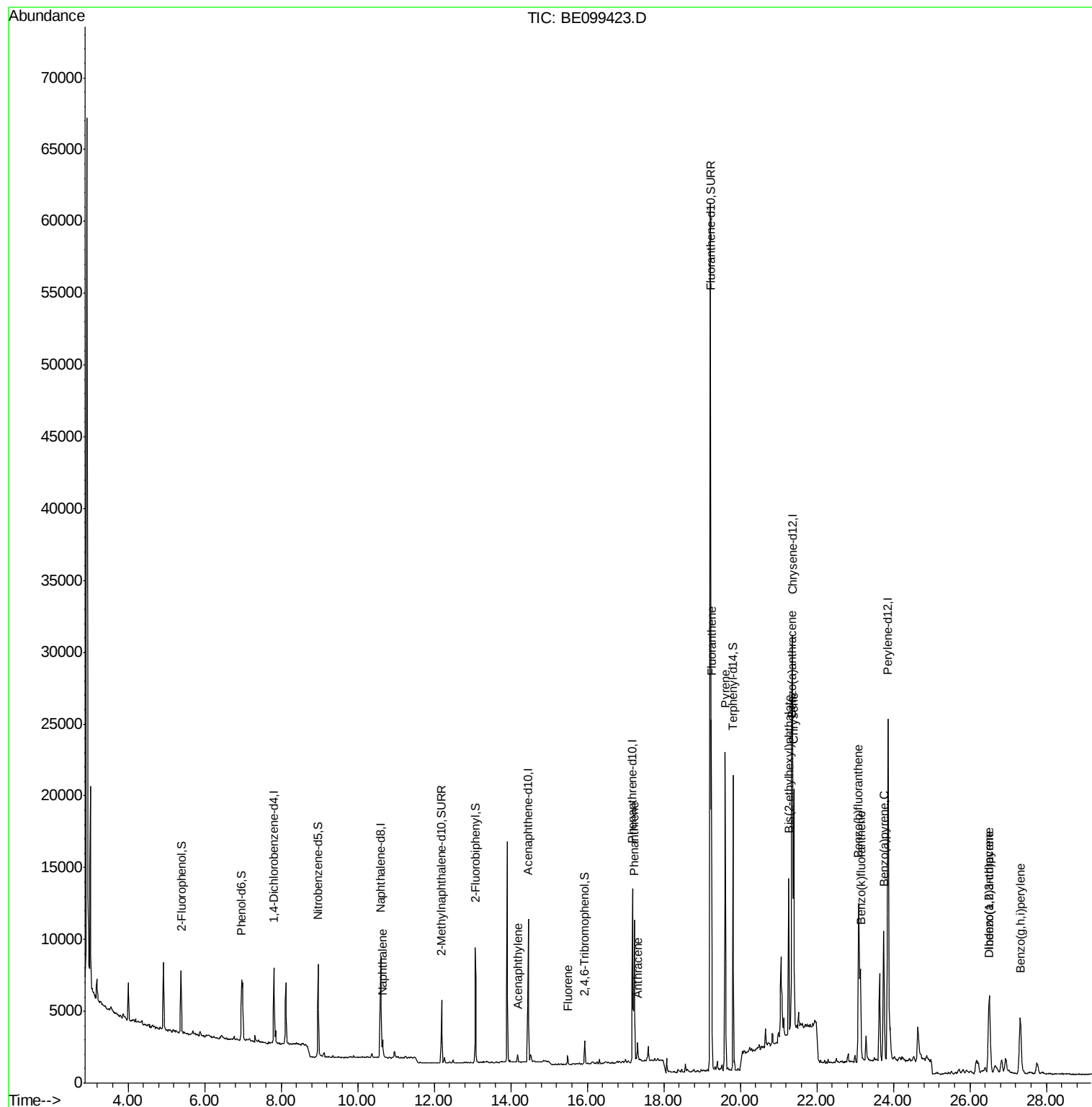
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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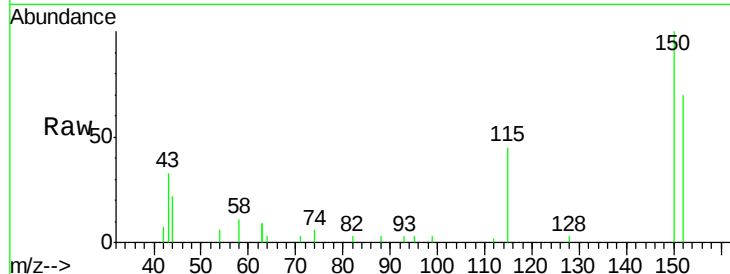




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

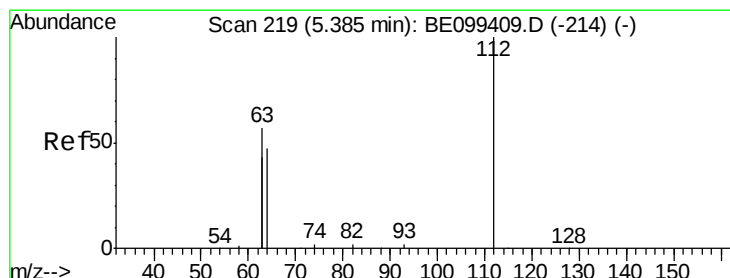
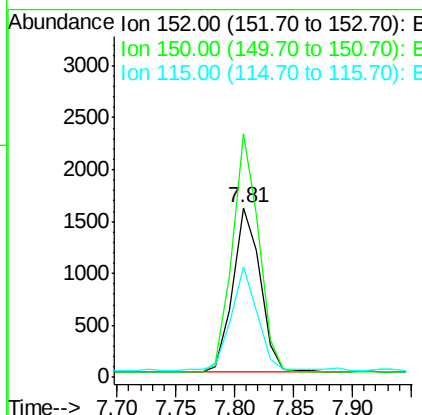
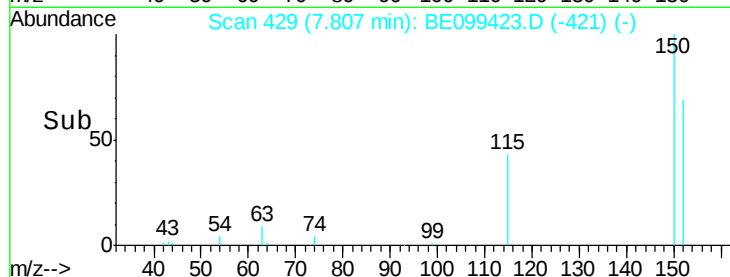
Instrument :
BNA_E
ClientSampleId :
PST-003-B171-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	143.7	104.8	157.2
115	65.2	46.6	69.8

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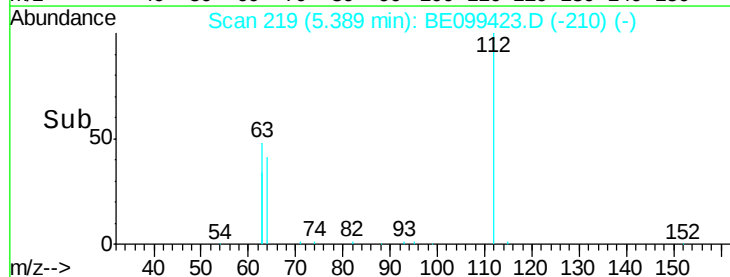
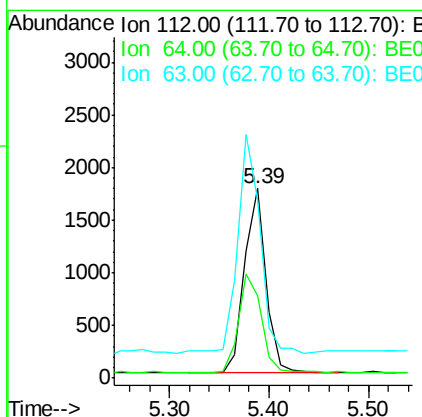
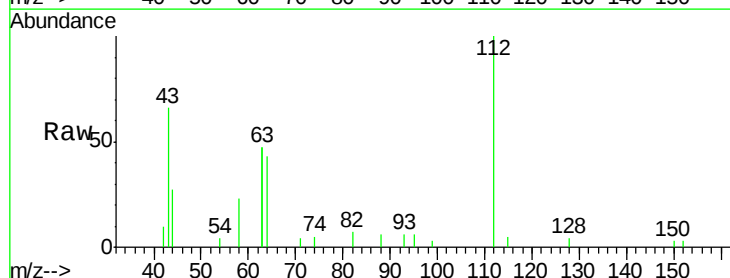
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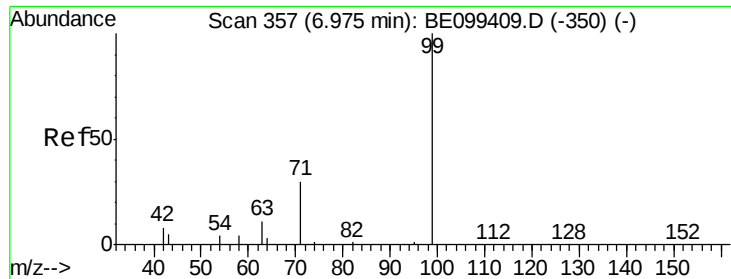


#4

2-Fluorophenol
Concen: 0.368 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.4	71.0
63	122.3	104.3	156.5





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Instrument :

BNA_E

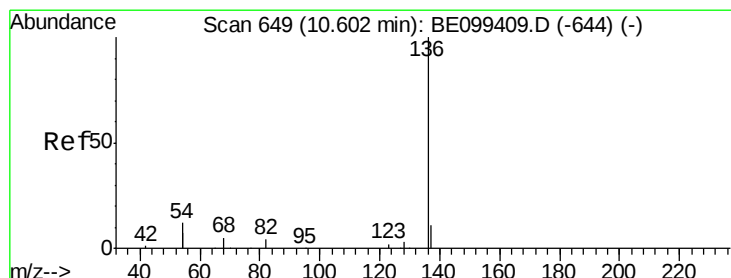
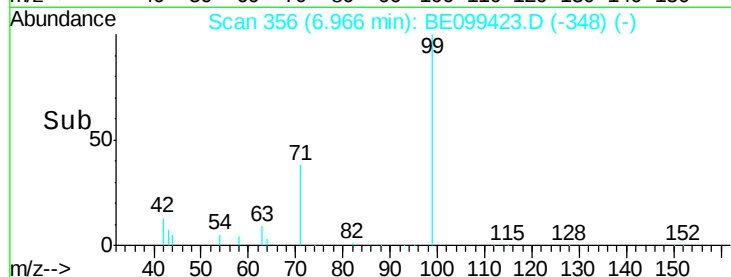
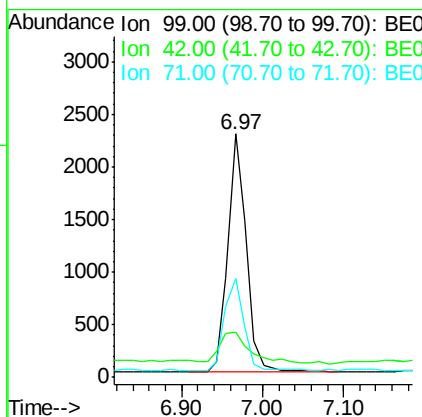
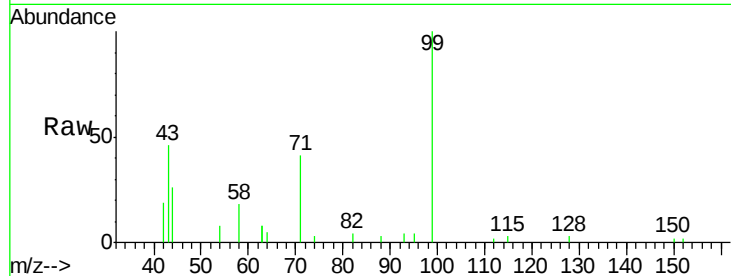
ClientSampleId :

PST-003-B171-042319

Tgt Ion:	99	Resp:	3571
Ion	Ratio	Lower	Upper
99	100		
42	23.2	14.9	22.3#
71	40.0	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

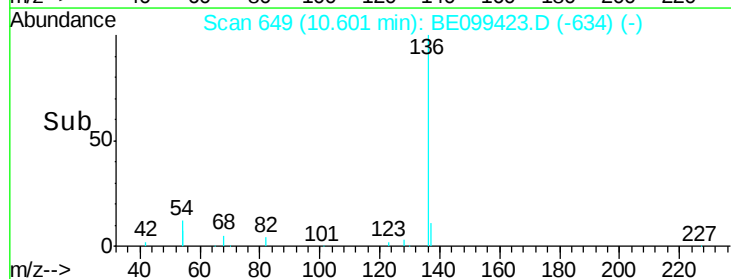
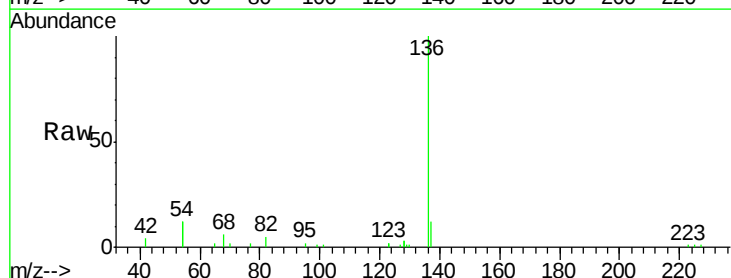
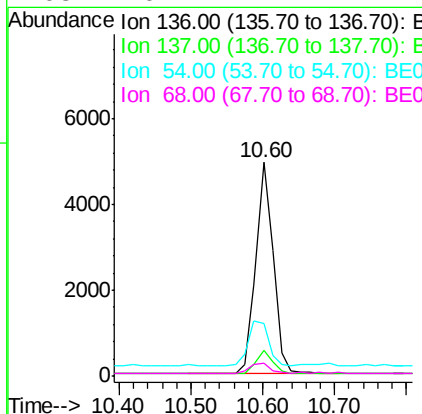
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Tgt Ion:	136	Resp:	8435
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	24.5	18.5	27.7
68	6.2	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.355 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Instrument :

BNA_E

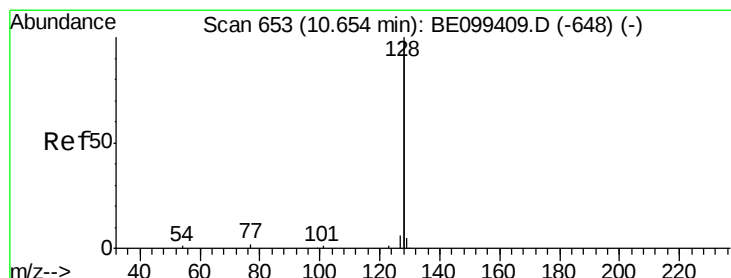
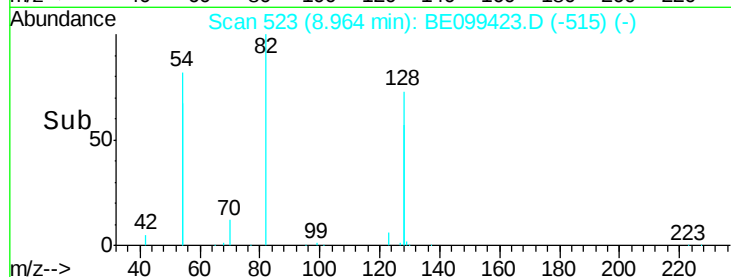
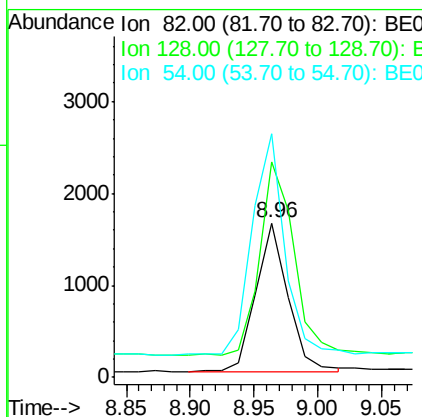
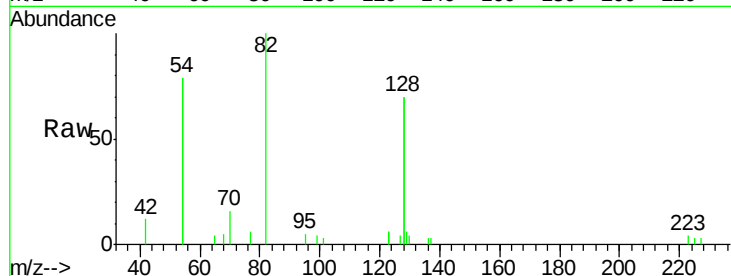
ClientSampleId :

PST-003-B171-042319

Tgt Ion:	82	Resp:	2804
Ion Ratio	Lower	Upper	
82	100		
128	139.4	107.0	160.4
54	157.9	113.1	169.7

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#9

Naphthalene

Concen: 0.021 ng

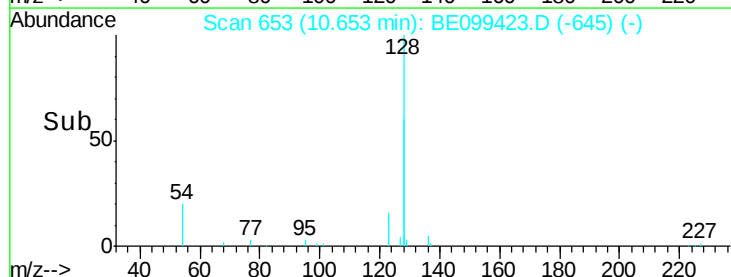
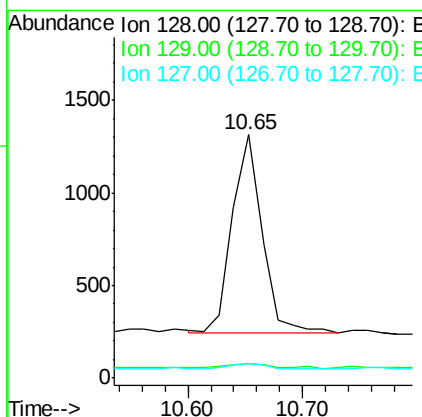
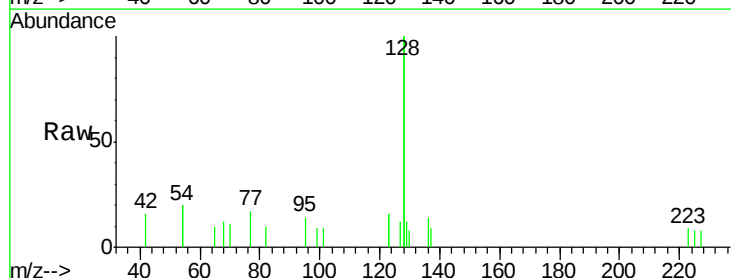
RT: 10.65 min Scan# 653

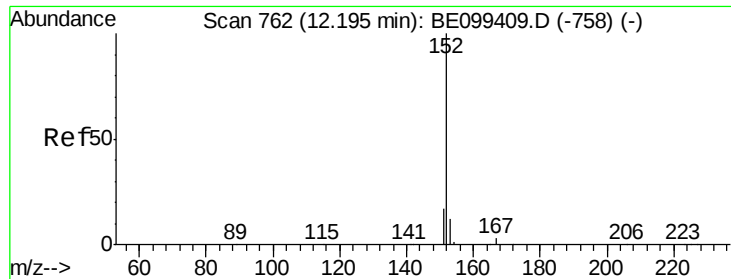
Delta R.T. -0.00 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Tgt Ion:	128	Resp:	1938
Ion Ratio	Lower	Upper	
128	100		
129	6.2	2.4	3.6#
127	6.2	2.8	4.2#





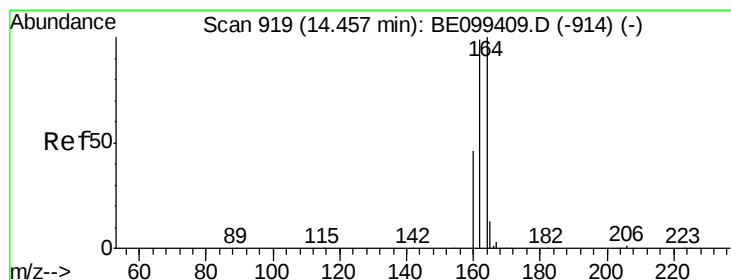
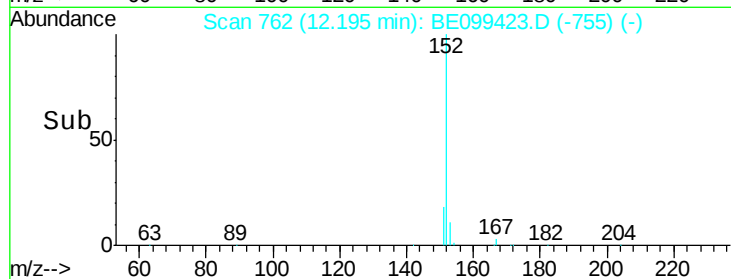
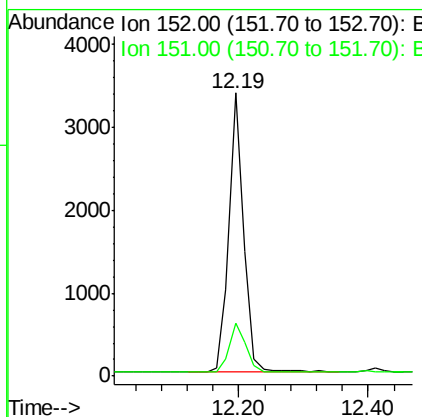
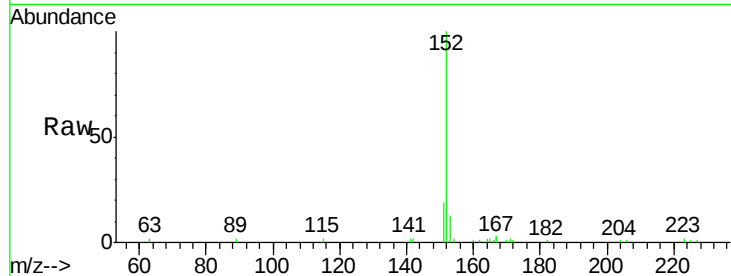
#11
 2-Methylnaphthalene-d10
 Concen: 0.345 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099423.D
 Acq: 30 Apr 2019 13:10

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B171-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

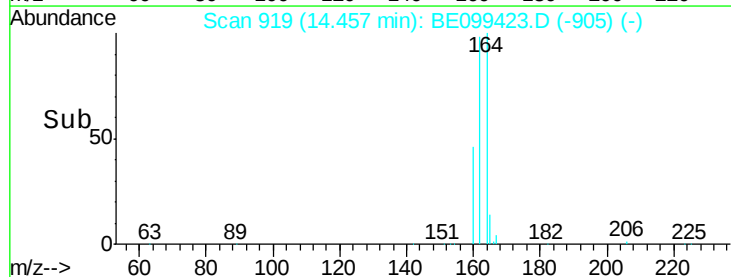
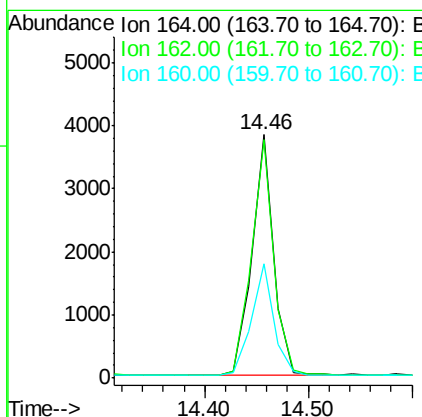
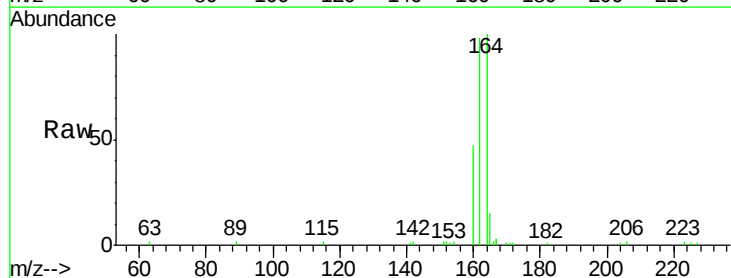
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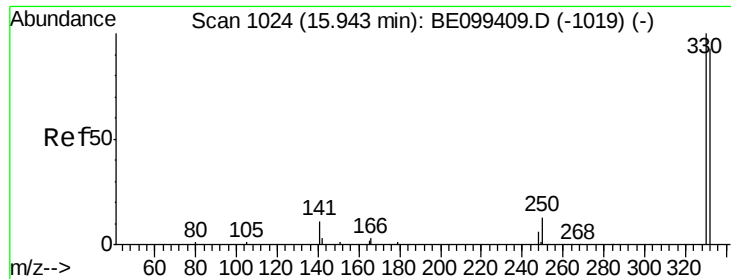
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 5/1/2019 12:02:20 PM



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099423.D
 Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.0	118.4
160	46.9	37.0	55.4





#14

2,4,6-Tribromophenol

Concen: 0.312 ng

RT: 15.93 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Instrument :

BNA_E

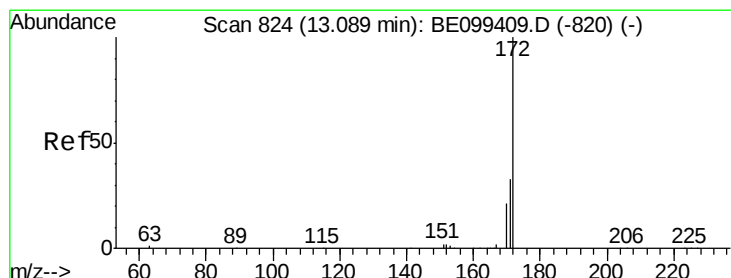
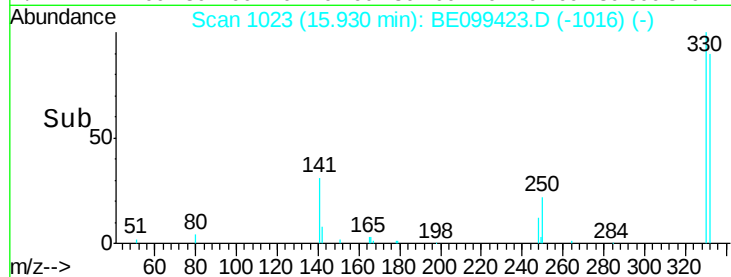
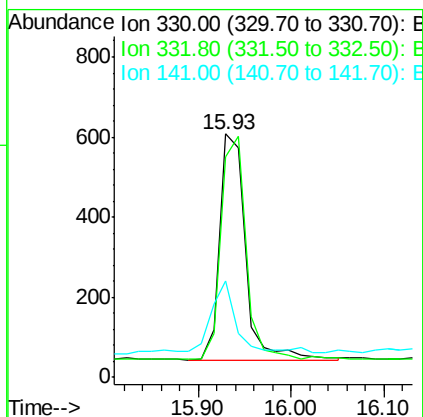
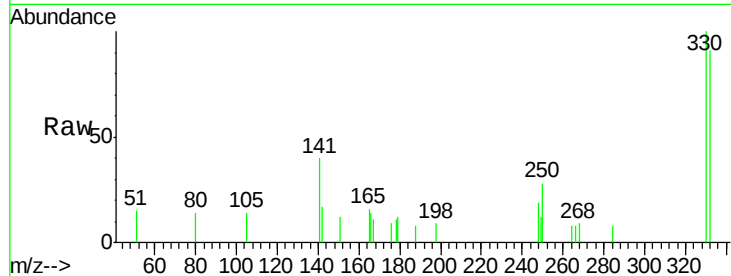
ClientSampleId :

PST-003-B171-042319

Tgt Ion:	330	Resp:	1088
Ion Ratio	Lower	Upper	
330	100		
332	96.5	71.5	107.3
141	27.8	24.0	36.0

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#15

2-Fluorobiphenyl

Concen: 0.376 ng

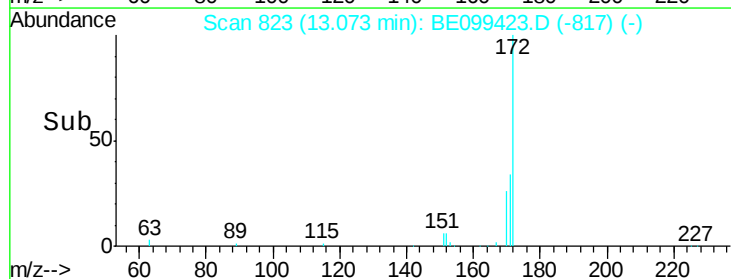
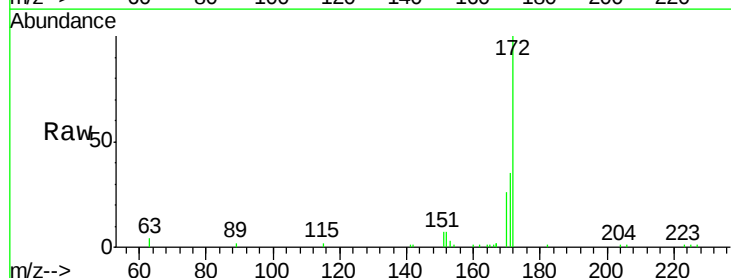
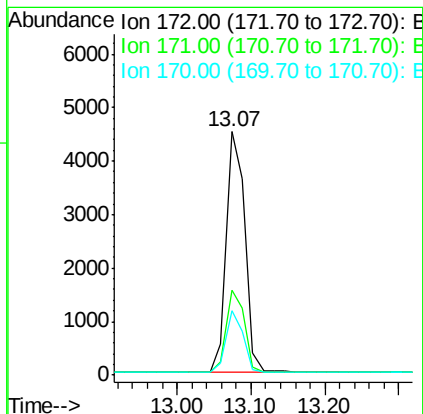
RT: 13.07 min Scan# 823

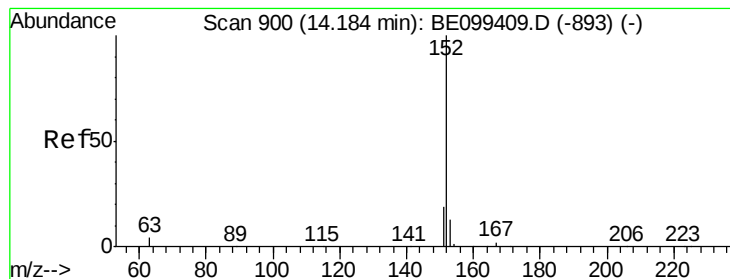
Delta R.T. -0.02 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Tgt Ion:	172	Resp:	7948
Ion Ratio	Lower	Upper	
172	100		
171	35.0	26.6	39.8
170	26.4	17.0	25.6





#16

Acenaphthylene

Concen: 0.032 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Instrument :

BNA_E

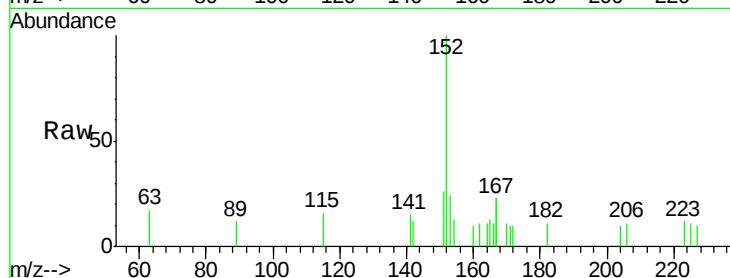
ClientSampleId :

PST-003-B171-042319

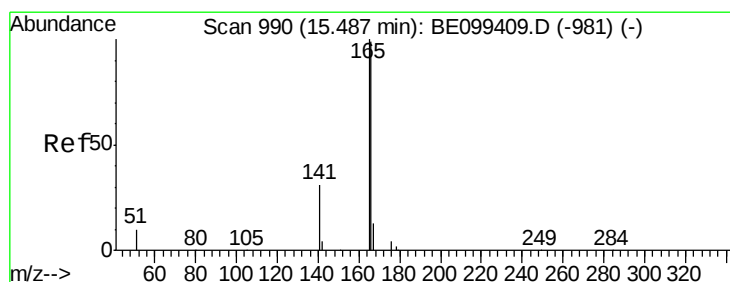
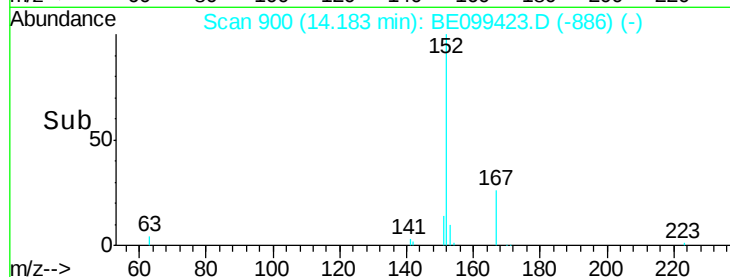
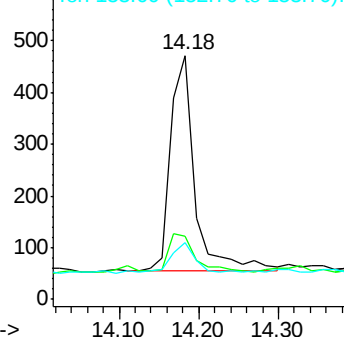
Tgt Ion:	152	Resp:	881
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.4	23.2
153	15.3	9.8	14.6#

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#18

Fluorene

Concen: 0.022 ng

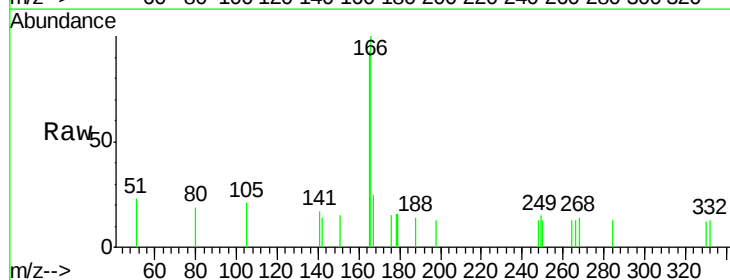
RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

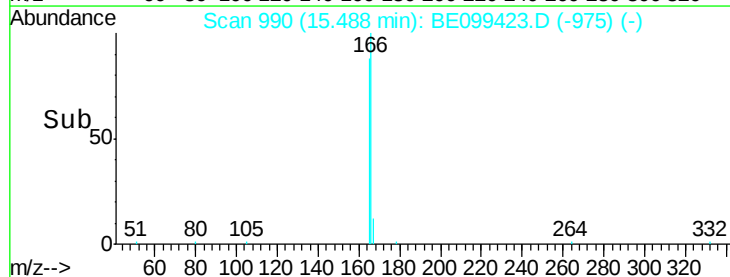
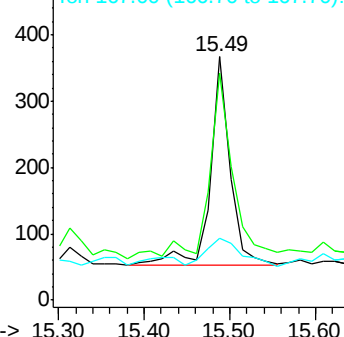
Lab File: BE099423.D

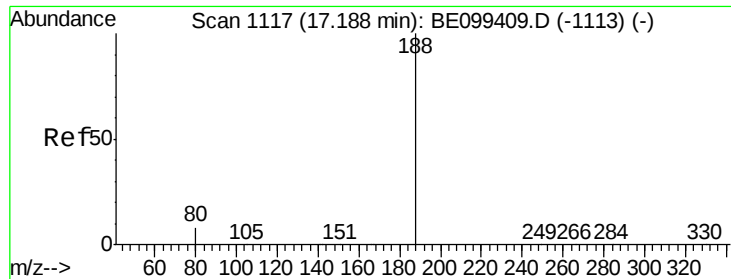
Acq: 30 Apr 2019 13:10

Tgt Ion:	166	Resp:	500
Ion Ratio	Lower	Upper	
166	100		
165	115.6	80.3	120.5
167	24.0	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





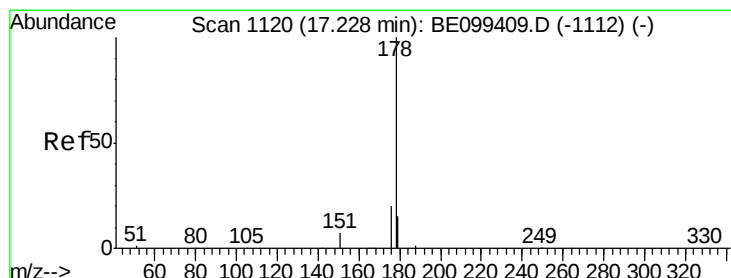
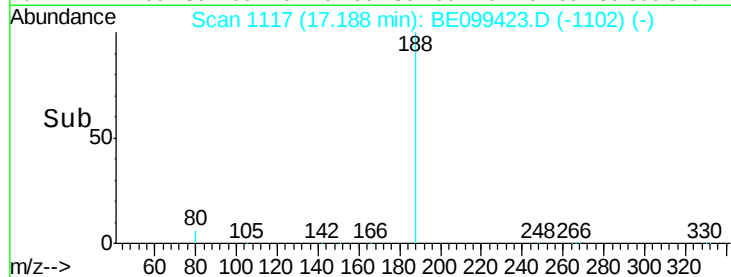
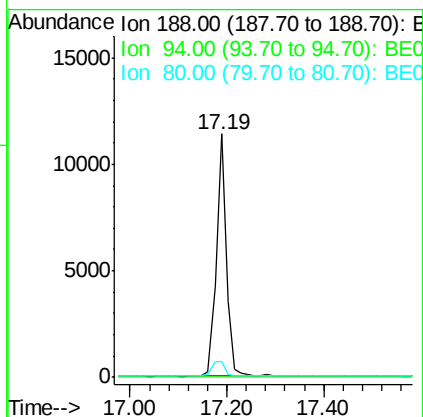
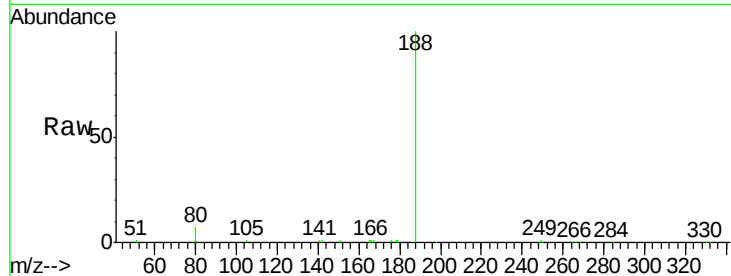
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Instrument :
BNA_E
ClientSampleId :
PST-003-B171-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1

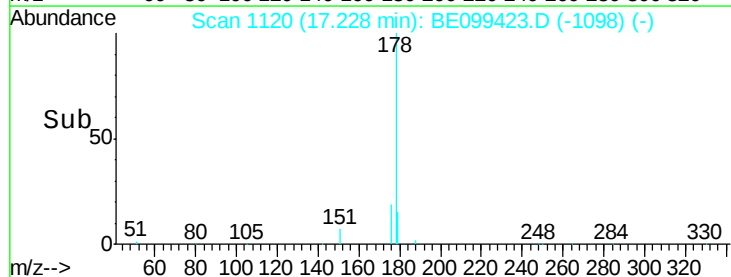
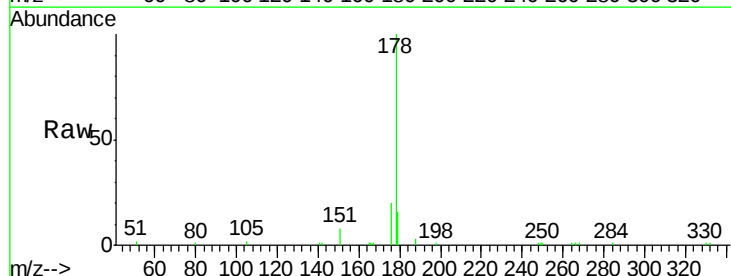
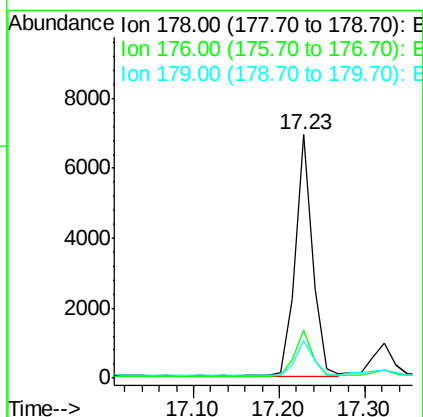
Manual Integrations
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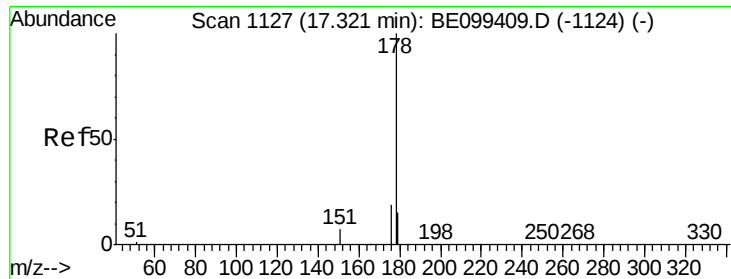
Sohil
5/1/2019 12:02:20 PM



#23
Phenanthrene
Concen: 0.231 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.6	23.4
179	15.6	12.0	18.0





#24

Anthracene

Concen: 0.040 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Instrument :

BNA_E

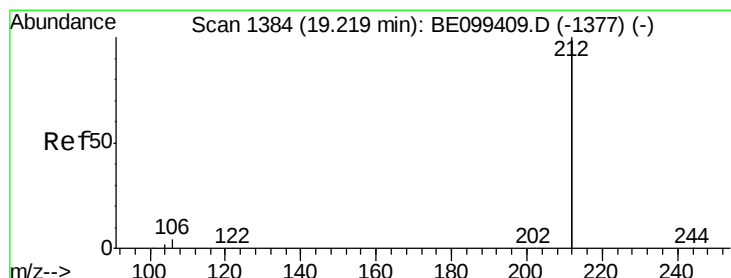
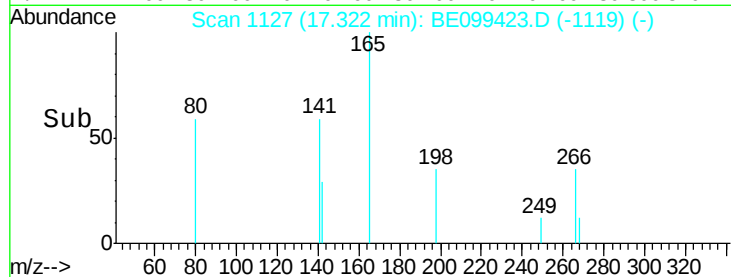
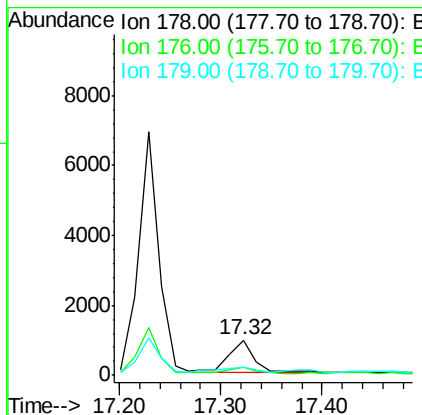
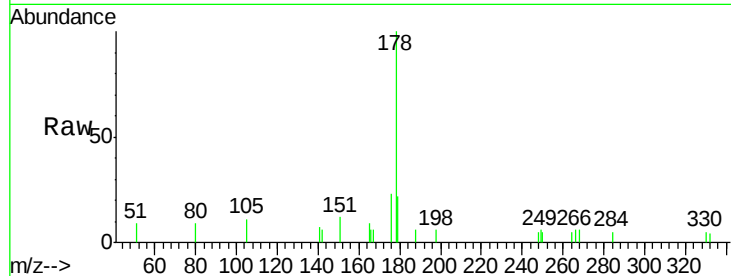
ClientSampleId :

PST-003-B171-042319

Tgt Ion:	178	Resp:	1579
Ion Ratio	Lower	Upper	
178	100		
176	17.1	14.9	22.3
179	21.0	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.365 ng

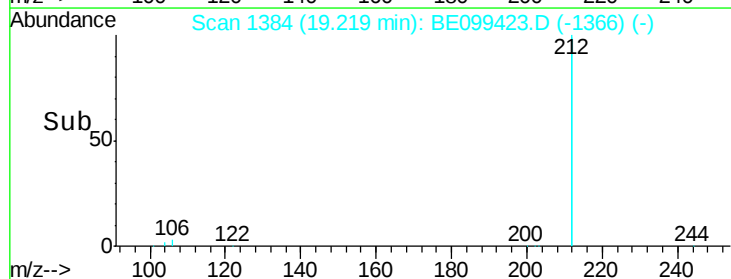
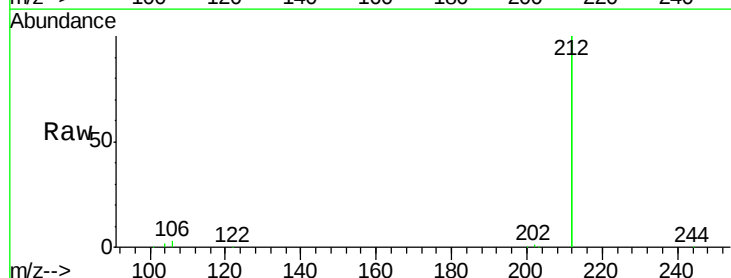
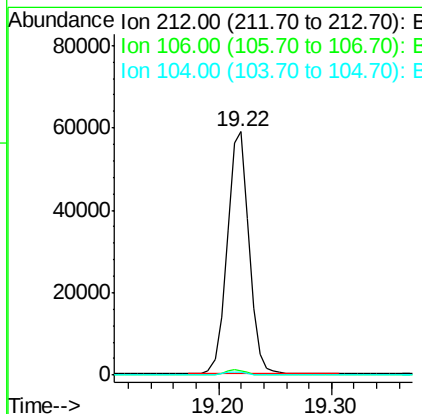
RT: 19.22 min Scan# 1384

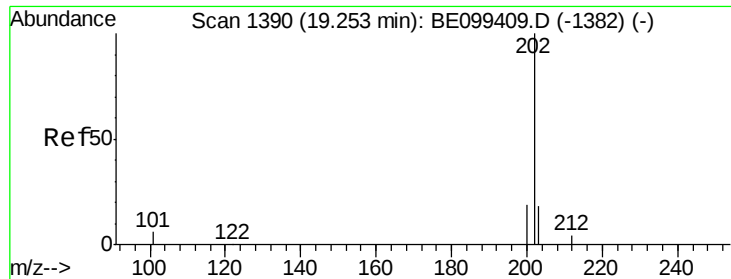
Delta R.T. 0.00 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Tgt Ion:	212	Resp:	79456
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





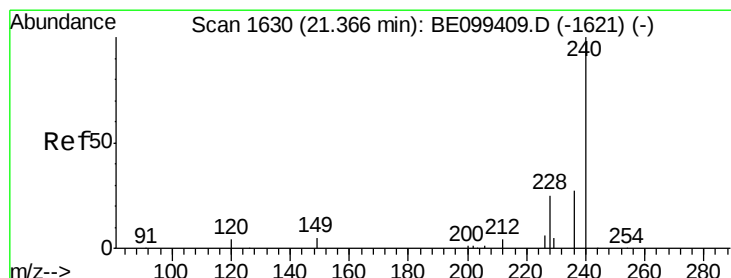
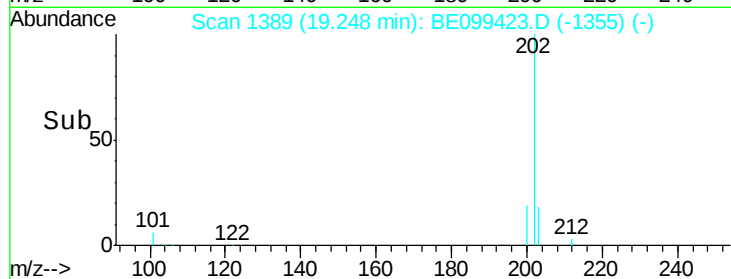
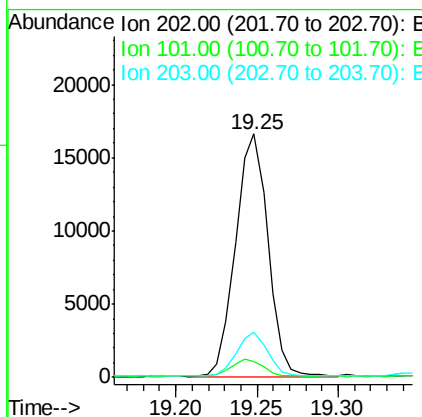
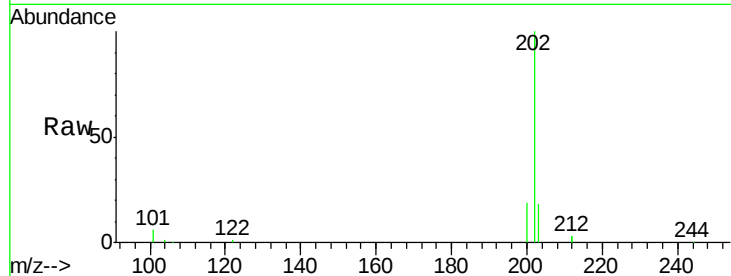
#26
Fluoranthene
Concen: 0.365 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Instrument :
BNA_E
ClientSampleId :
PST-003-B171-042319

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.0	5.4	8.0
203	17.3	13.9	20.9

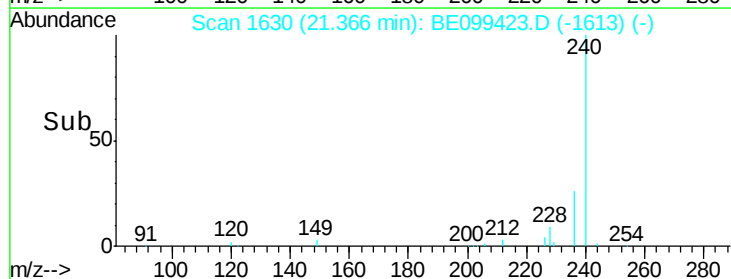
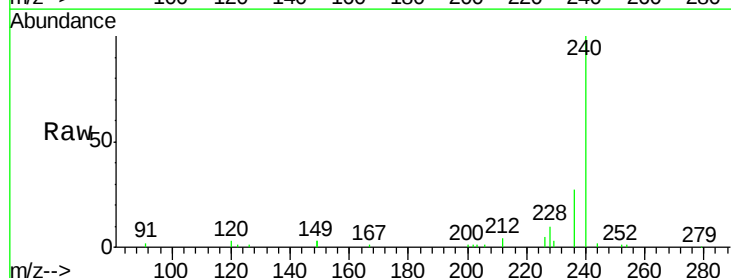
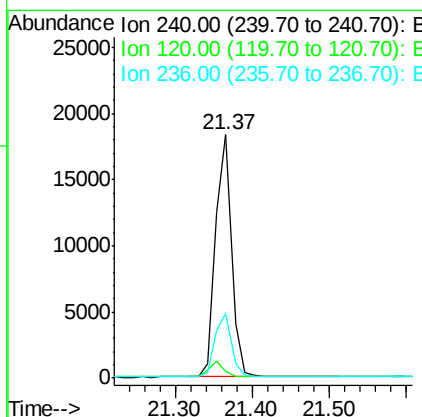
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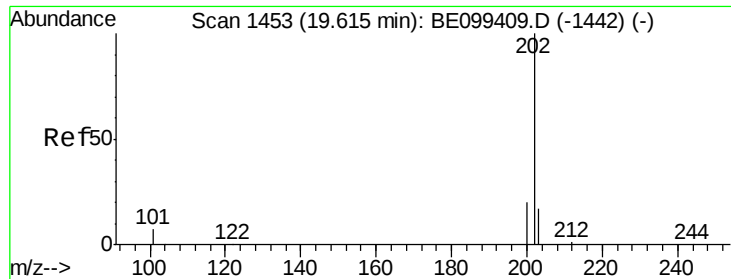
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.0	4.0	6.0#
236	26.7	22.0	33.0





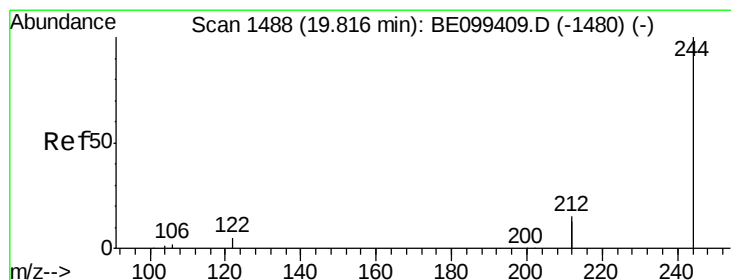
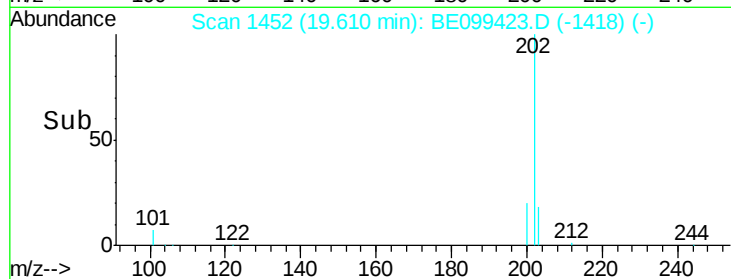
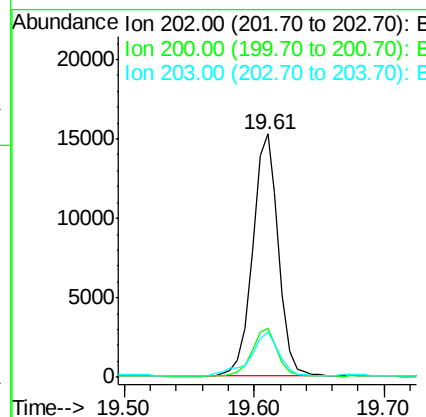
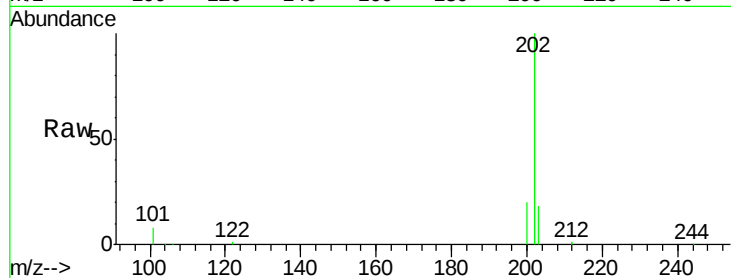
#28
 Pyrene
 Concen: 0.303 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099423.D
 Acq: 30 Apr 2019 13:10

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B171-042319

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	20.1	13.9	20.9

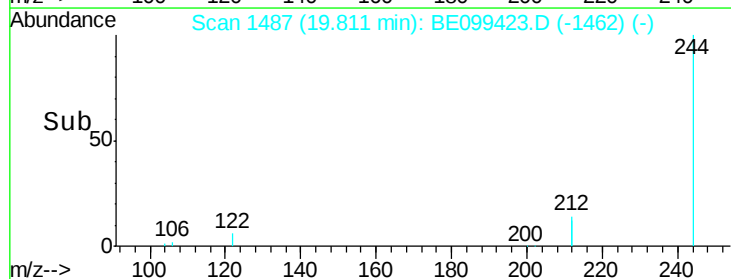
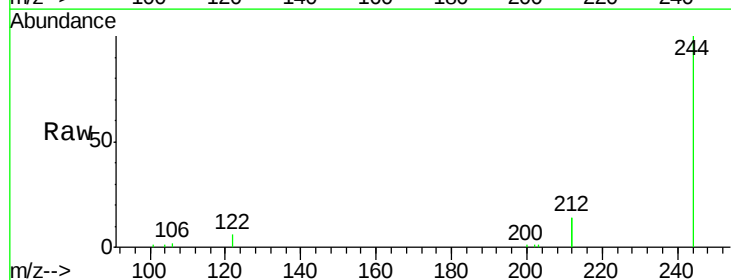
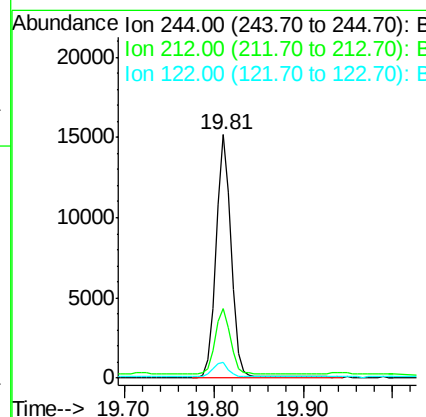
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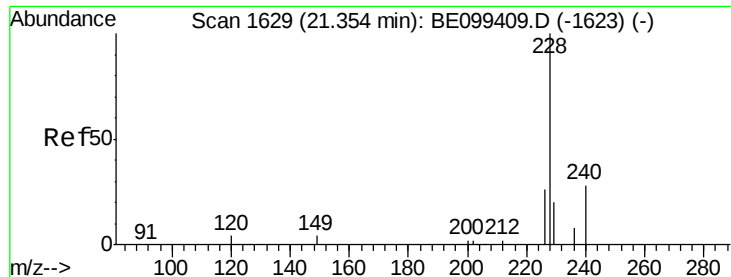
Sohil
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#29
 Terphenyl-d14
 Concen: 0.361 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099423.D
 Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	28.7	23.2	34.8
122	6.3	4.2	6.4





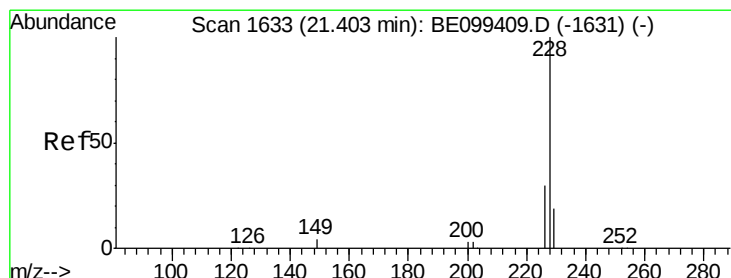
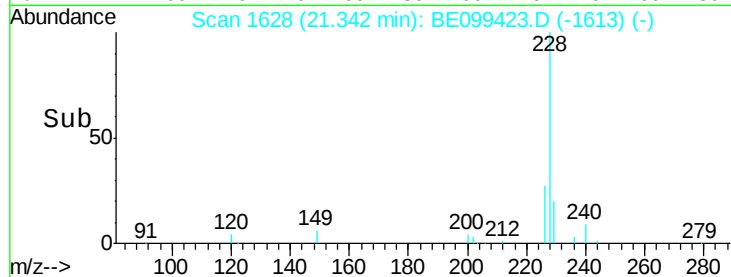
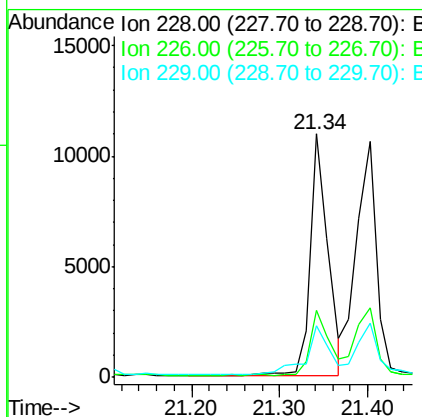
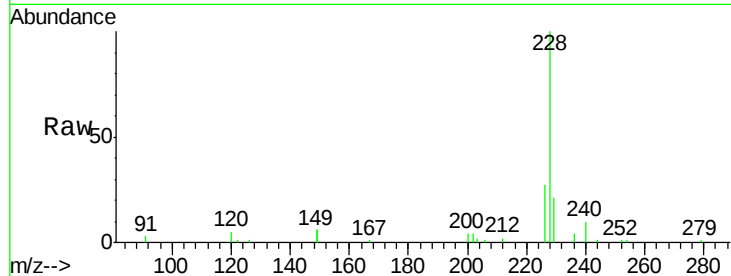
#30
Benzo(a)anthracene
Concen: 0.181 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Instrument :
BNA_E
ClientSampleId :
PST-003-B171-042319

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	15402		
226	27.4		21.0	31.6
229	21.4		16.6	25.0

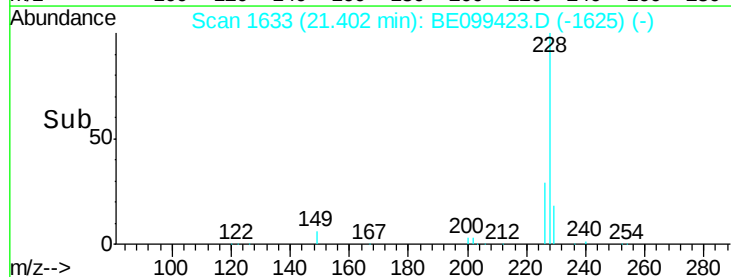
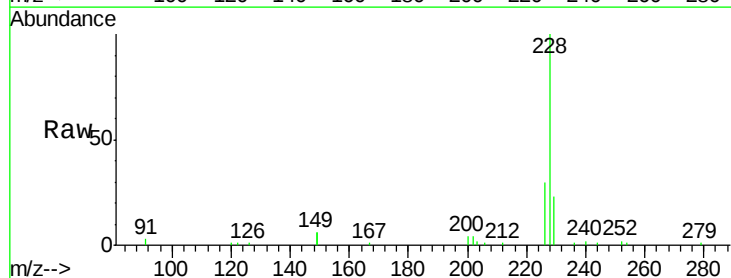
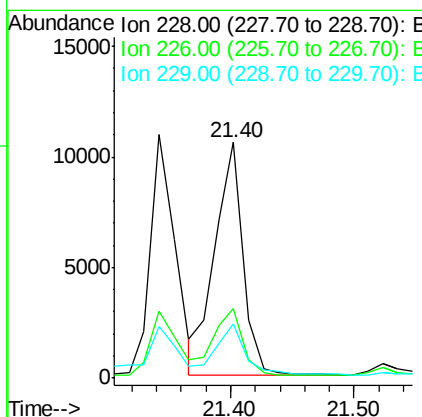
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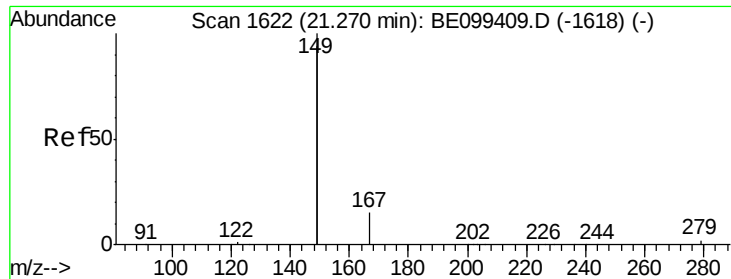
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#31
Chrysene
Concen: 0.201 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	16701		
226	29.8		24.0	36.0
229	22.9		15.8	23.8





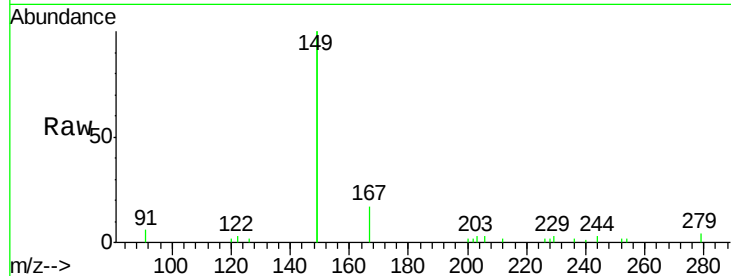
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.047 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Instrument :
BNA_E
ClientSampleId :
PST-003-B171-042319

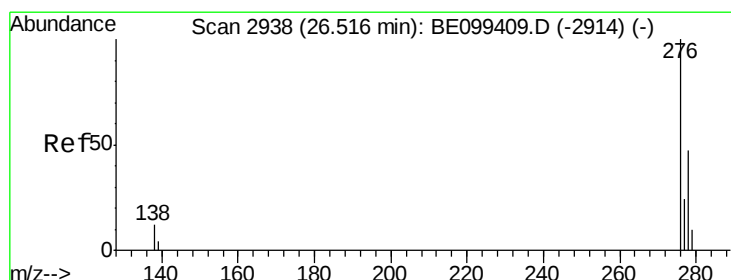
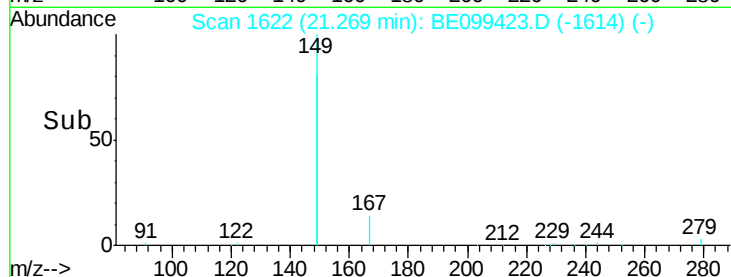
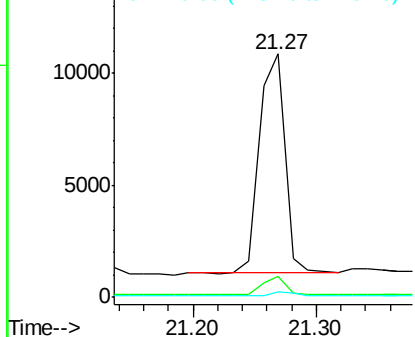
Tgt Ion:	149	Resp:	14211
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.8	8.6
279	1.4	1.0	1.6

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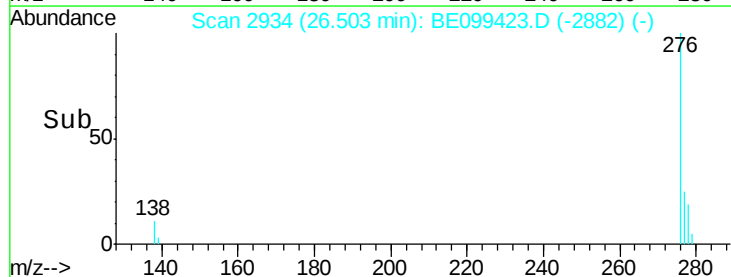
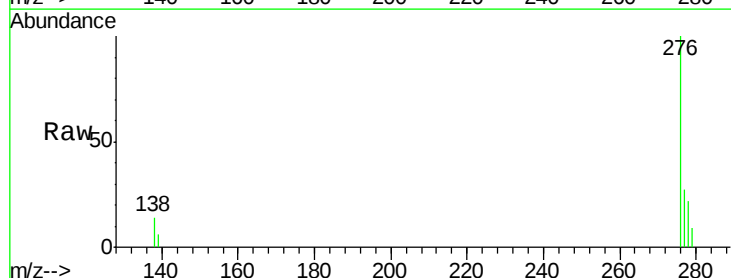
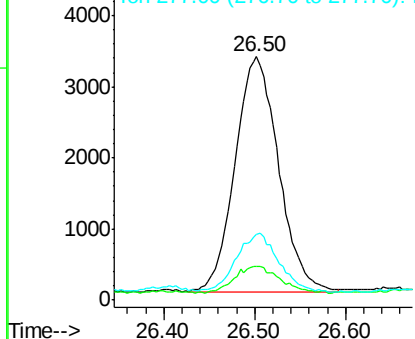
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

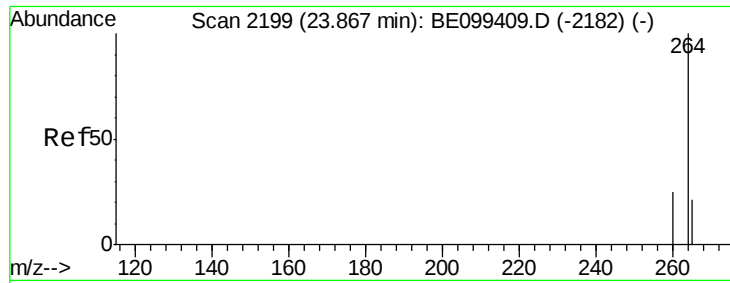


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.112 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Tgt Ion:	276	Resp:	10990
Ion Ratio	Lower	Upper	
276	100		
138	12.0	10.2	15.2
277	23.0	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





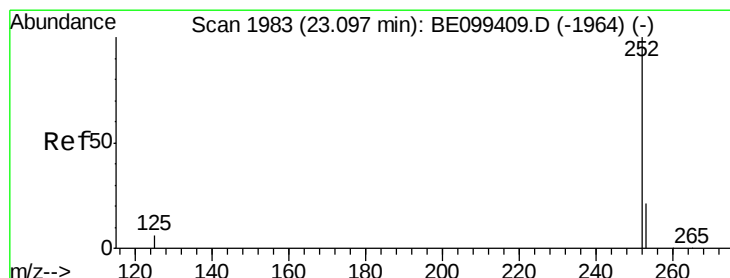
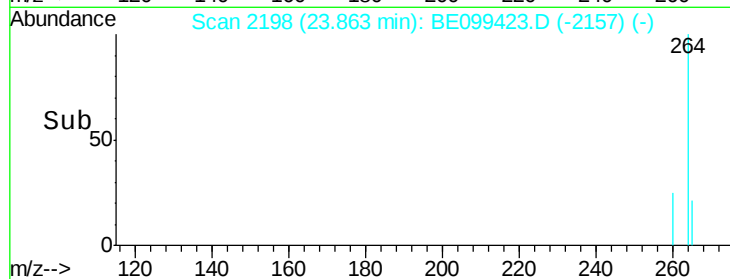
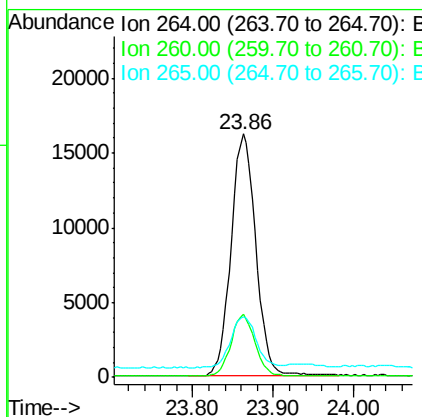
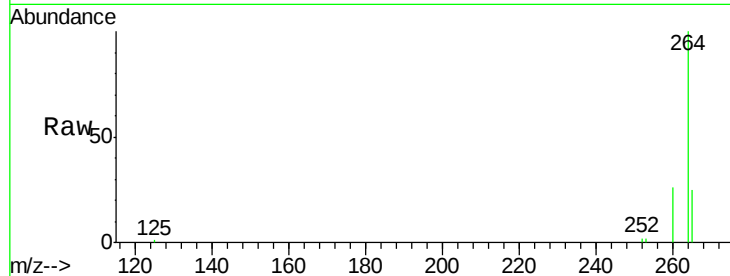
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099423.D
 Acq: 30 Apr 2019 13:10

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B171-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	34668		
260	25.7	20.2	30.2	
265	24.9	21.3	31.9	

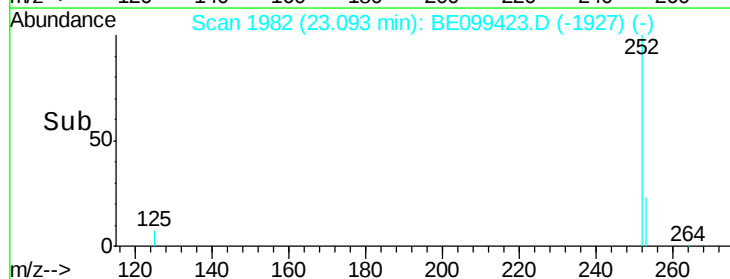
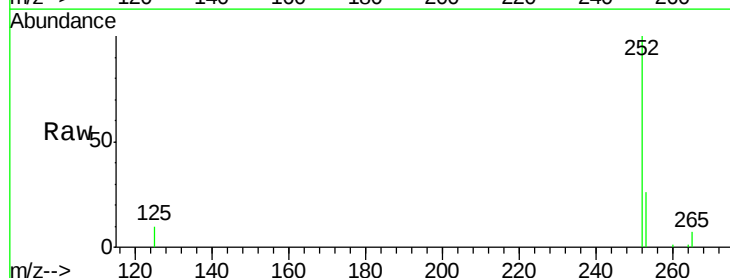
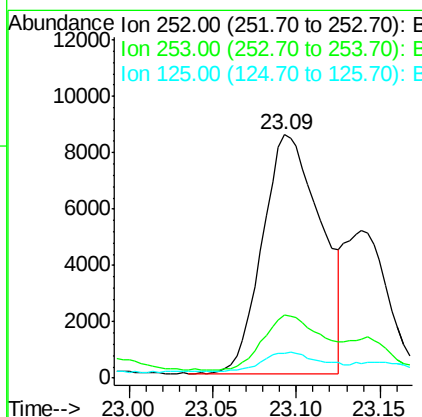
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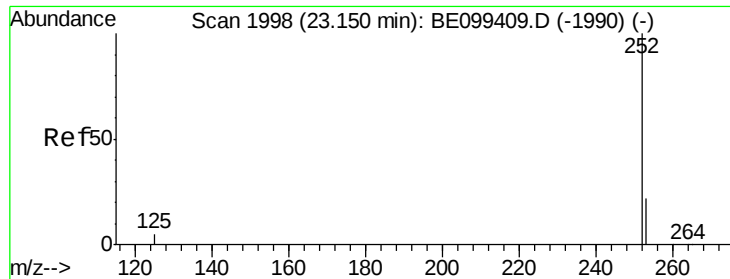
Sohil
 5/1/2019 12:02:20 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.207 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099423.D
 Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	20694		
253	26.1	18.1	27.1	
125	10.0	5.6	8.4	





#36

Benzo(k)fluoranthene

Concen: 0.098 ng m

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Instrument :

BNA_E

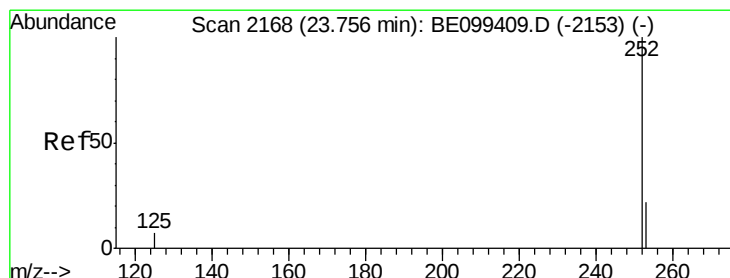
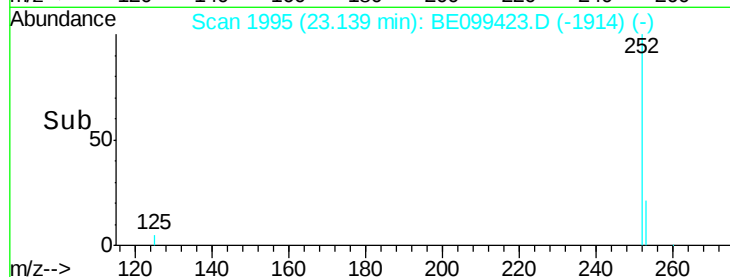
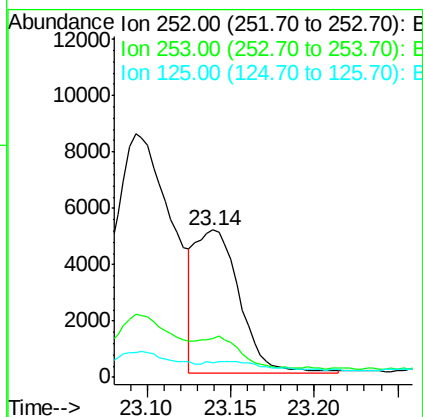
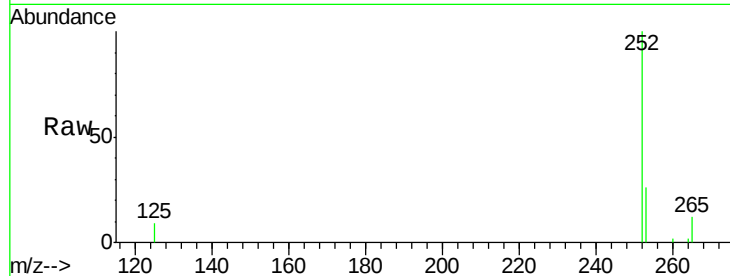
ClientSampleId :

PST-003-B171-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.4	27.6
125	9.5	5.0	7.4

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#37

Benzo(a)pyrene

Concen: 0.157 ng

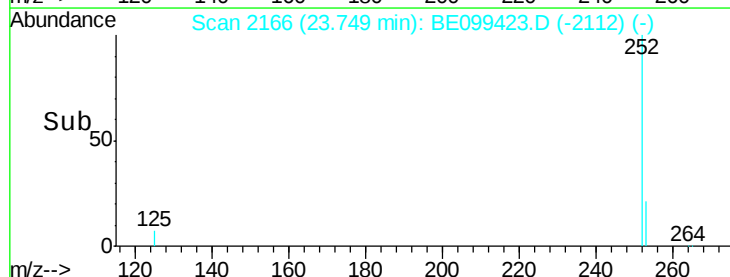
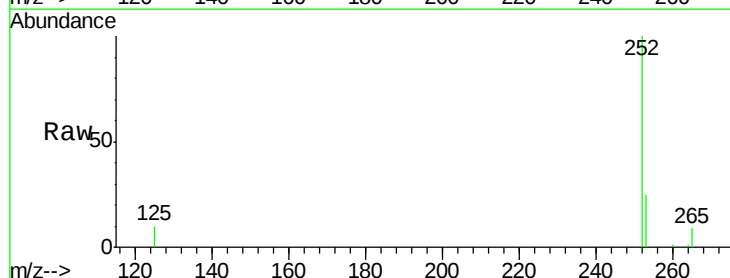
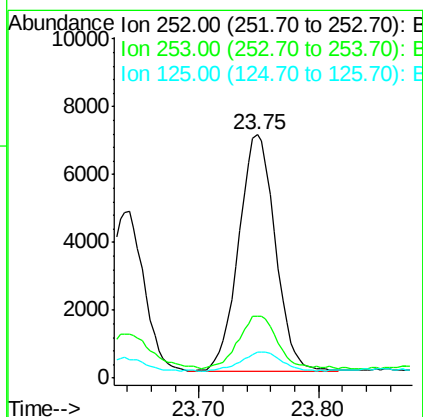
RT: 23.75 min Scan# 2166

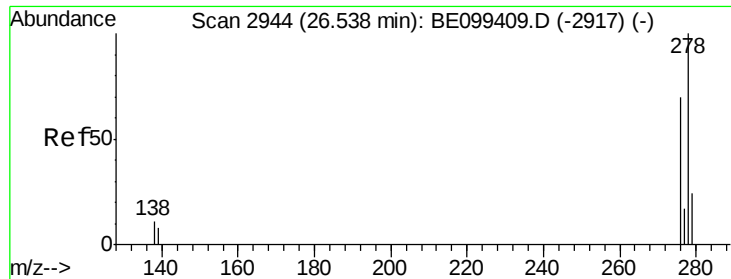
Delta R.T. -0.01 min

Lab File: BE099423.D

Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.9	28.3
125	10.5	6.7	10.1





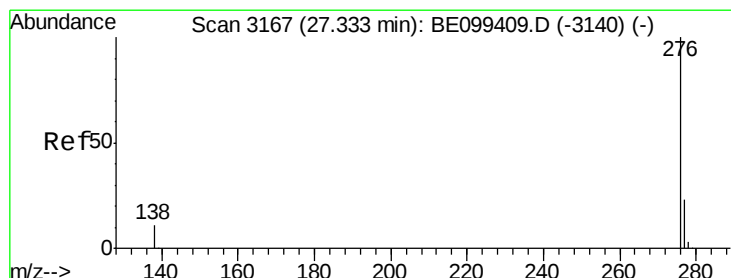
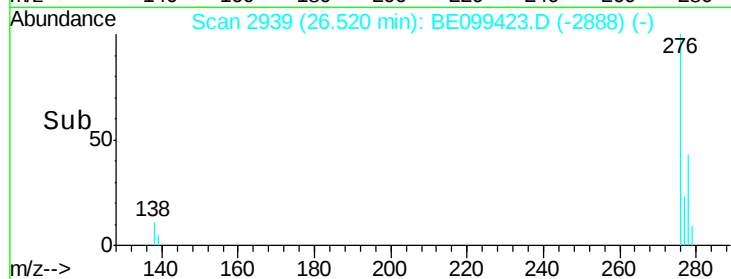
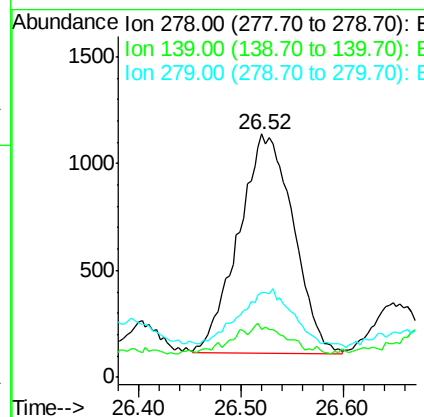
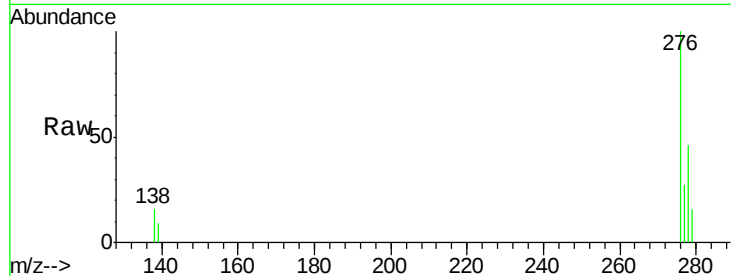
#38
Dibenzo(a,h)anthracene
Concen: 0.040 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.02 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Instrument :
BNA_E
ClientSampleId :
PST-003-B171-042319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	7.7	11.5#
279	34.9	20.2	30.2#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.106 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE099423.D
Acq: 30 Apr 2019 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.5	29.3
138	13.7	9.6	14.4

