

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099521.D
 Acq On : 3 May 2019 8:31
 Operator : JU/SJ
 Sample : K2589-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B189-042419

Manual Integrations
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Sohil
 5/3/2019 4:24:23 PM

Quant Time: May 03 13:34:21 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	7.80	152	2082	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7899	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5983	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19196	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24286	0.40	ng	0.00
34) Perylene-d12	23.87	264	27398	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1421	0.25	ng	0.00
5) Phenol-d6	6.97	99	2107	0.28	ng	0.00
8) Nitrobenzene-d5	8.96	82	1745	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	3139	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1044	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4583	0.20	ng	0.00
25) Fluoranthene-d10	19.22	212	49078	0.19	ng	0.00
29) Terphenyl-d14	19.82	244	9841	0.22	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1221	0.042	ng	99
18) Fluorene	15.49	166	505	0.020	ng	# 86
23) Phenanthrene	17.23	178	11403	0.230	ng	98
24) Anthracene	17.32	178	1092	0.023	ng	# 95
26) Fluoranthene	19.25	202	26664	0.359	ng	98
28) Pyrene	19.62	202	27738	0.438	ng	96
30) Benzo(a)anthracene	21.35	228	13914	0.180	ng	# 82
31) Chrysene	21.40	228	18779	0.248	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.27	149	11283	0.032	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	9908	0.111	ng	98
35) Benzo(b)fluoranthene	23.10	252	20591	0.261	ng	# 70
36) Benzo(k)fluoranthene	23.15	252	6359m	0.083	ng	
37) Benzo(a)pyrene	23.76	252	13533	0.181	ng	# 72
38) Dibenzo(a,h)anthracene	26.53	278	2937m	0.038	ng	
39) Benzo(g,h,i)perylene	27.35	276	10114	0.132	ng	# 86

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

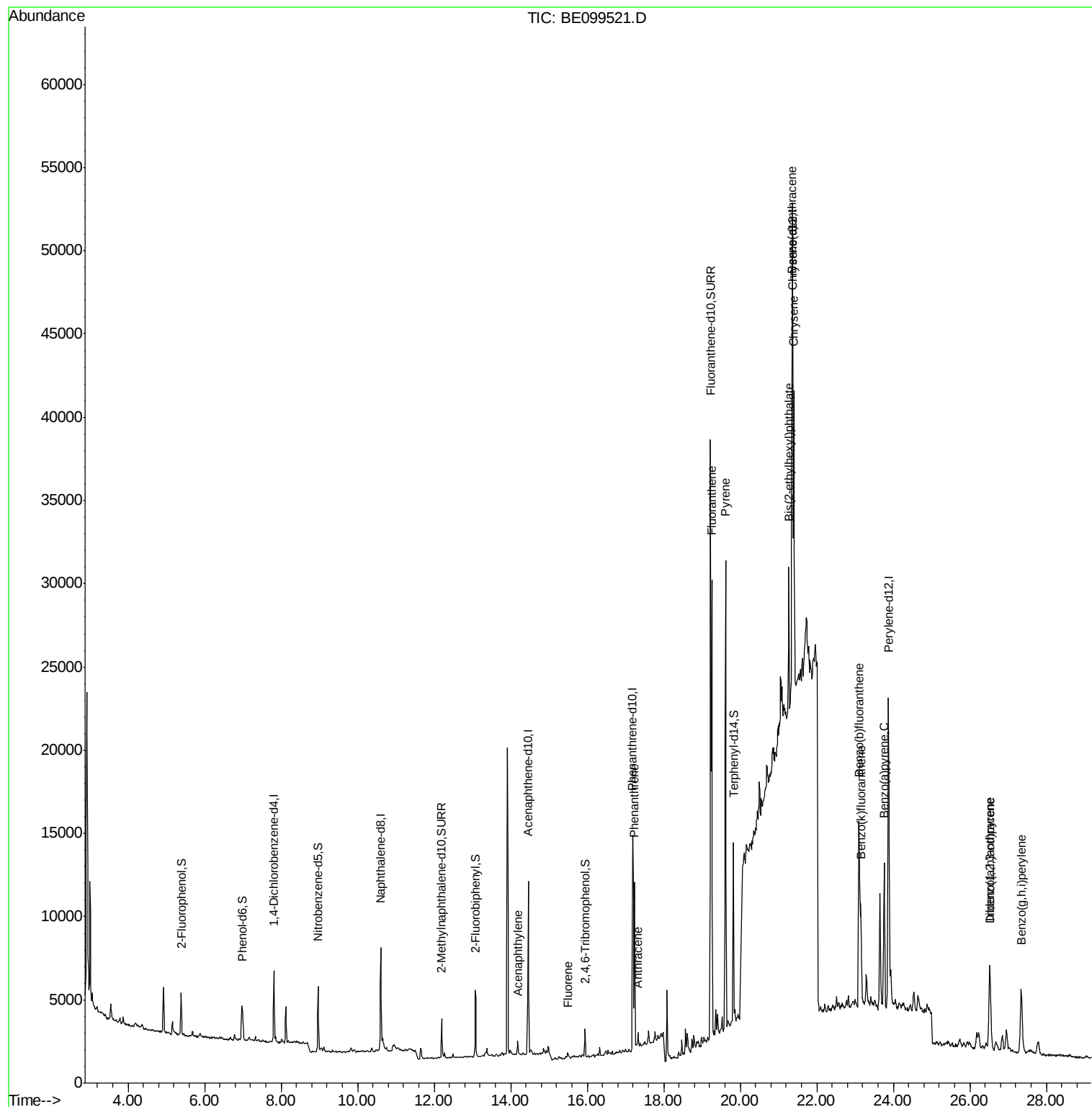
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

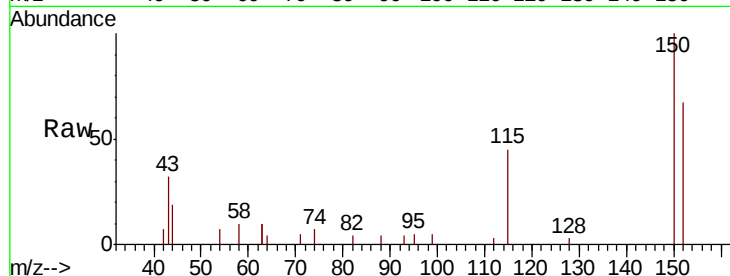
ClientSampleId :

PST-001-B189-042419

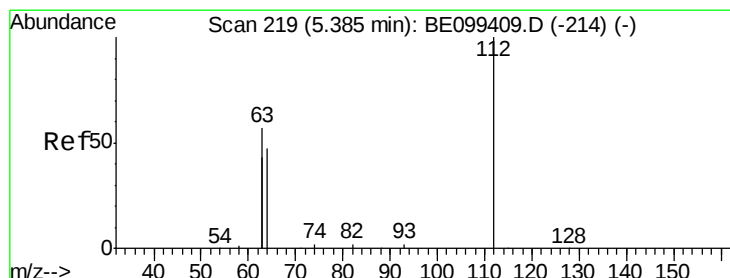
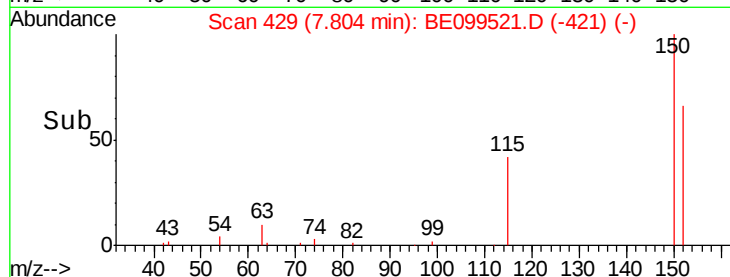
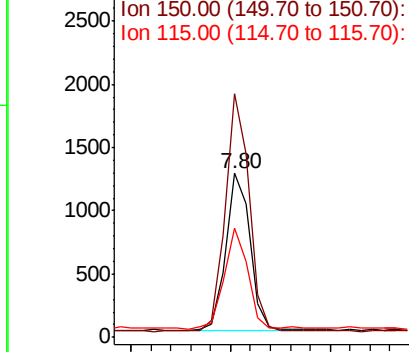
Tgt Ion:	152	Resp:	2082
Ion Ratio	Lower	Upper	
152	100		
150	148.3	104.8	157.2
115	66.8	46.6	69.8

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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: 0.247 ng

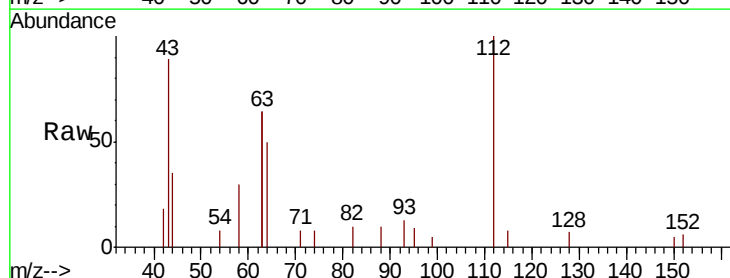
RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

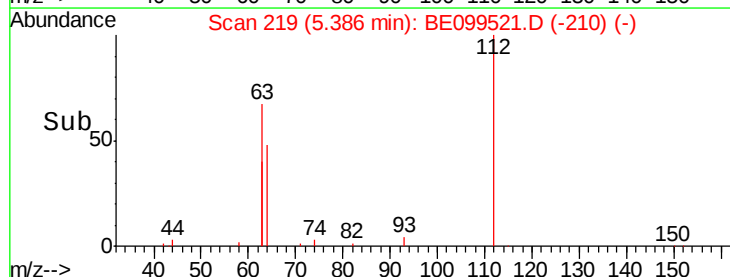
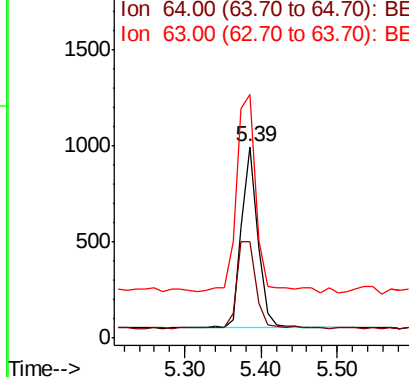
Lab File: BE099521.D

Acq: 3 May 2019 8:31

Tgt Ion:	112	Resp:	1421
Ion Ratio	Lower	Upper	
112	100		
64	55.7	47.4	71.0
63	132.9	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: 0.275 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

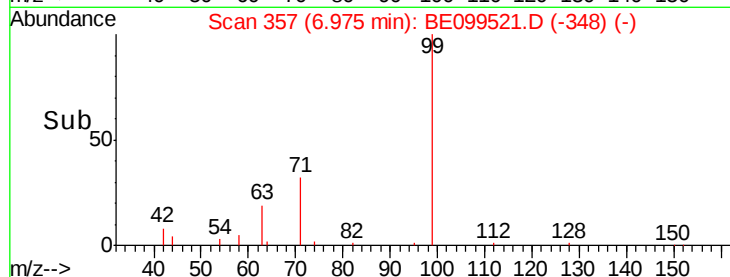
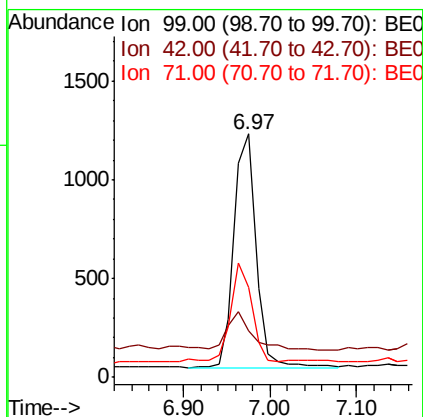
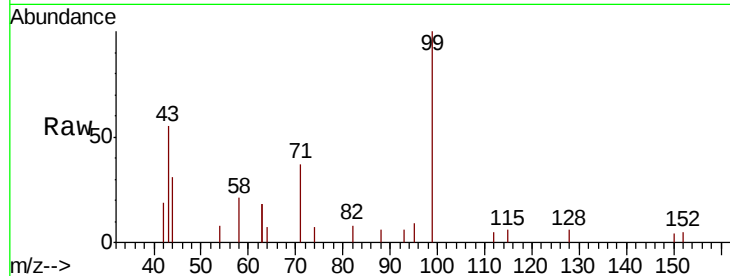
ClientSampleId :

PST-001-B189-042419

Tgt Ion:	99	Resp:	2107
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.9	22.3
71	40.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

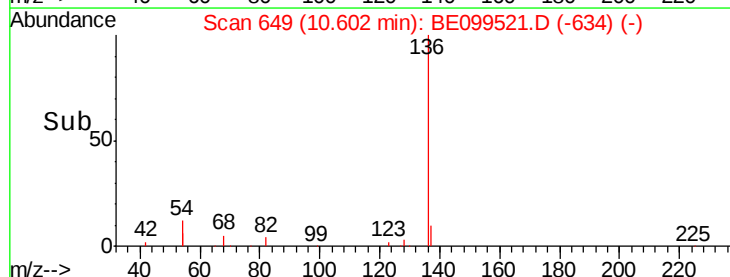
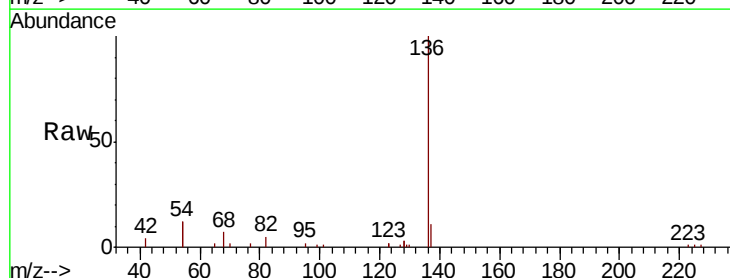
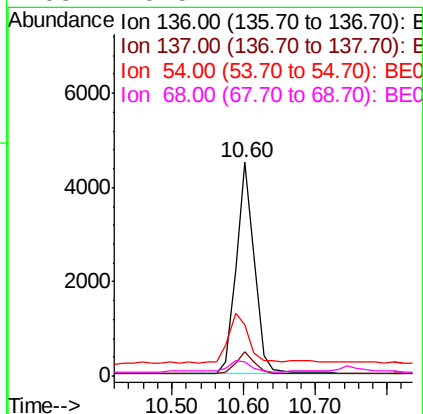
RT: 10.60 min Scan# 649

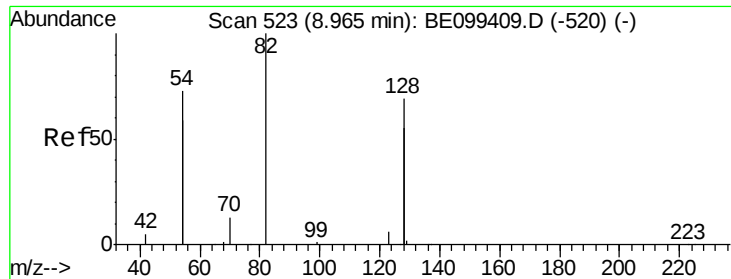
Delta R.T. -0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Tgt Ion:	136	Resp:	7899
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	24.1	18.5	27.7
68	6.5	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.236 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

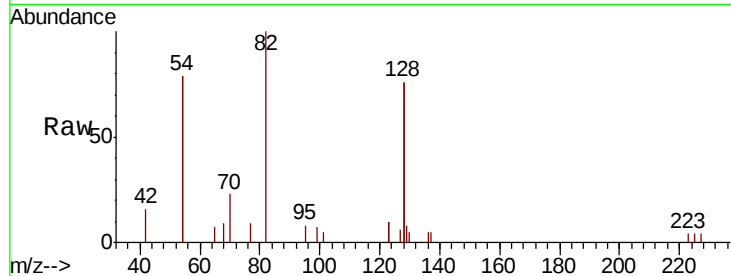
ClientSampleId :

PST-001-B189-042419

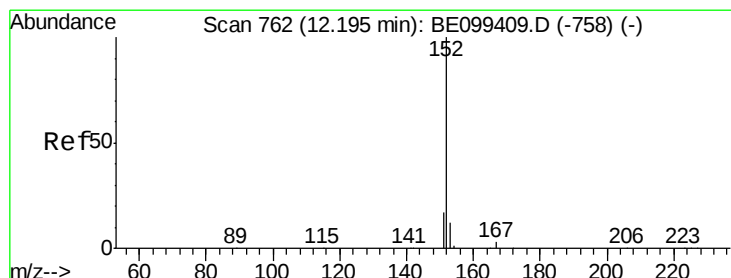
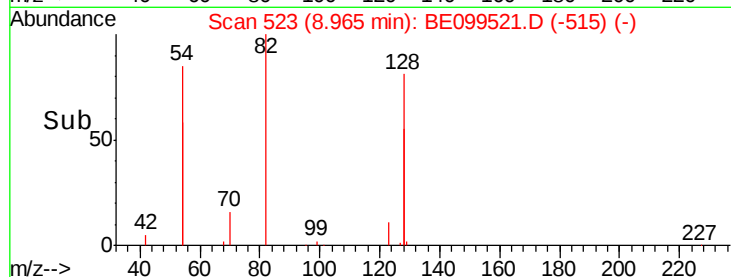
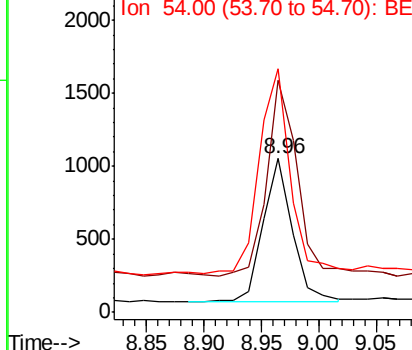
Tgt Ion:	82	Resp:	1745
Ion Ratio	Lower	Upper	
82	100		
128	151.2	107.0	160.4
54	158.4	113.1	169.7

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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



#11

2-Methylnaphthalene-d10

Concen: 0.221 ng

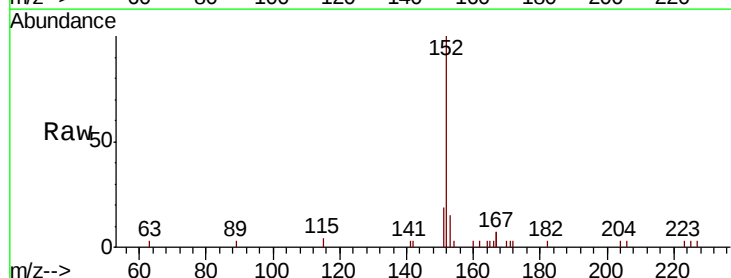
RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

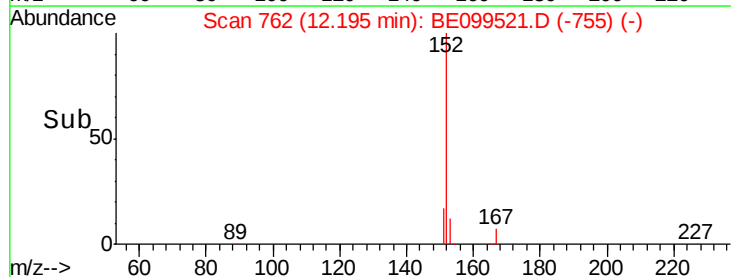
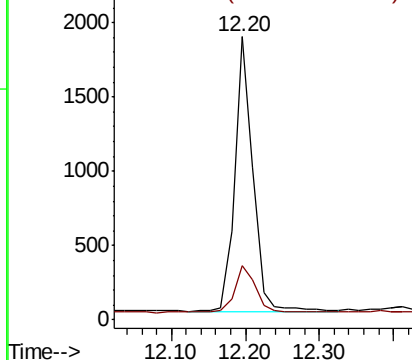
Lab File: BE099521.D

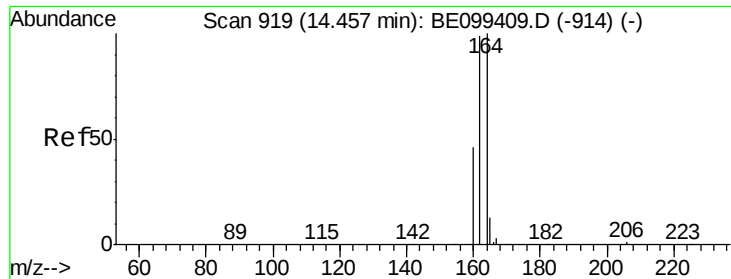
Acq: 3 May 2019 8:31

Tgt Ion:	152	Resp:	3139
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





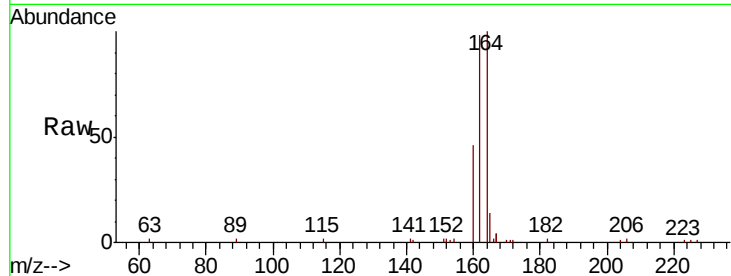
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B189-042419

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.0	118.4
160	46.2	37.0	55.4

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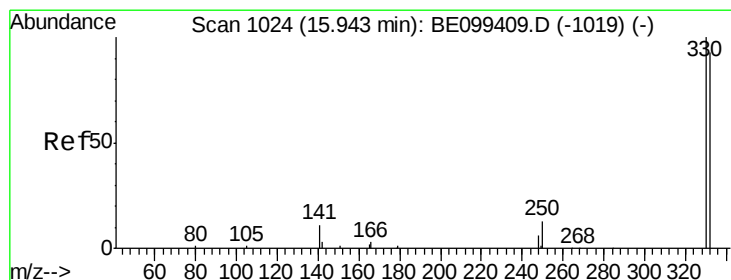
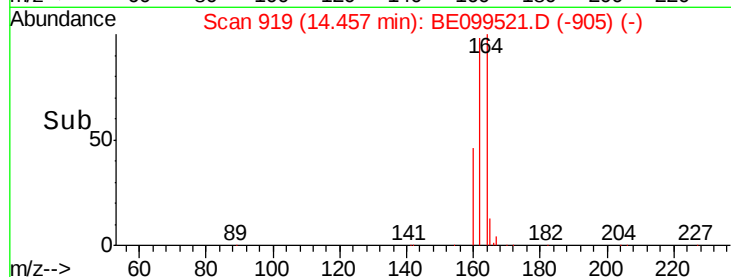
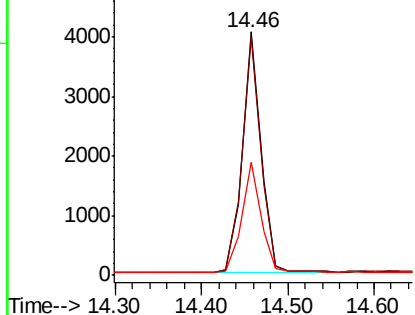


Abundance

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: 0.277 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

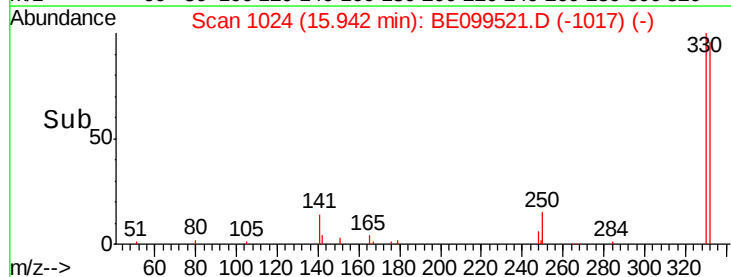
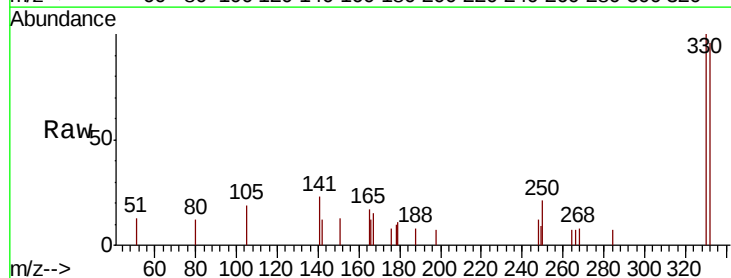
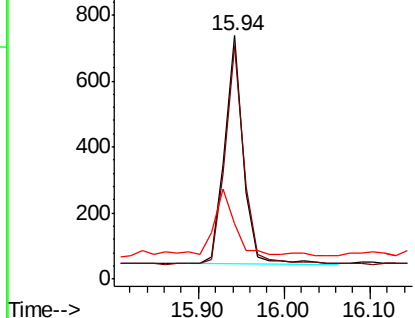
Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.6	71.5	107.3
141	29.5	24.0	36.0

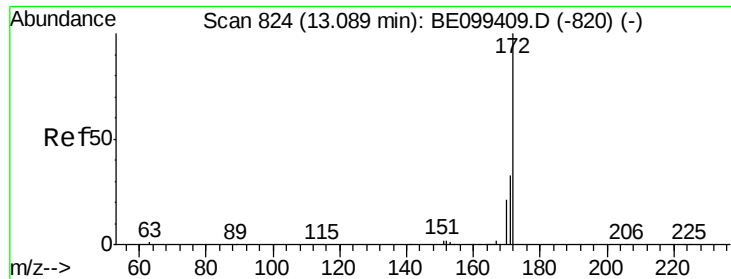
Abundance

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





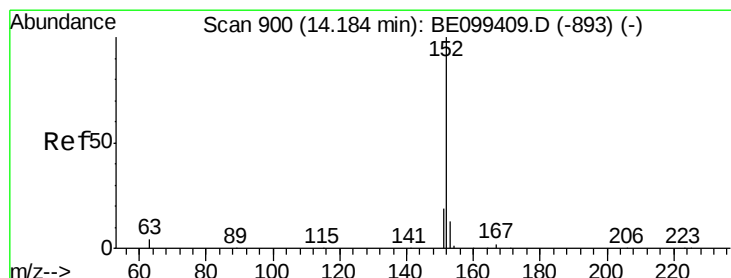
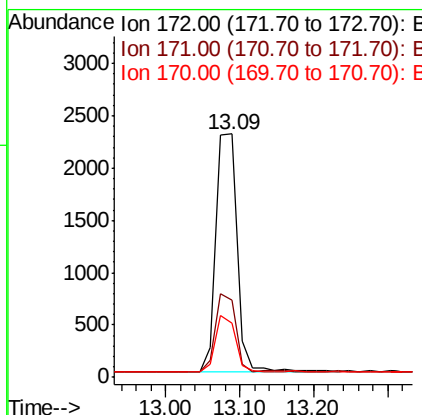
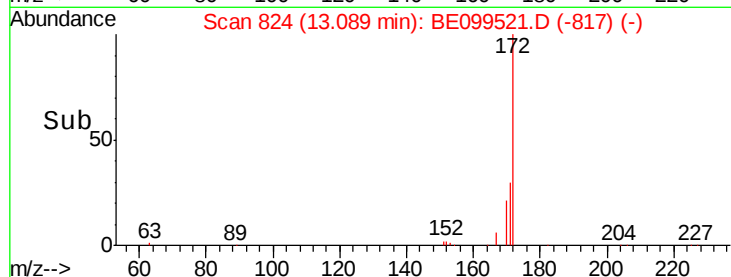
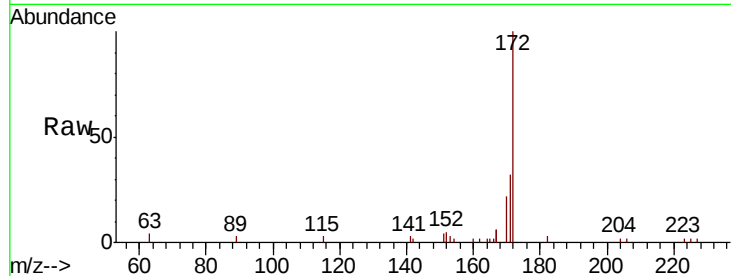
#15
2-Fluorobiphenyl
Concen: 0.201 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B189-042419

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.0	26.6	39.8
170	22.5	17.0	25.6

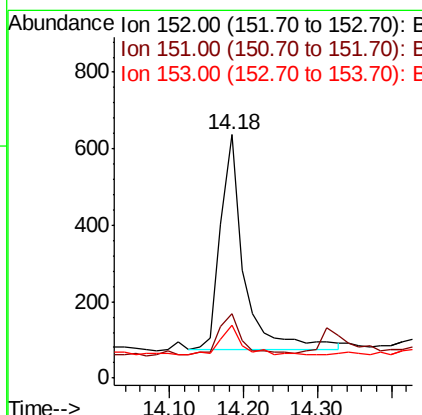
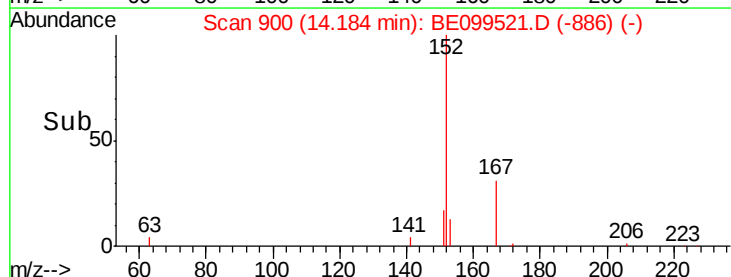
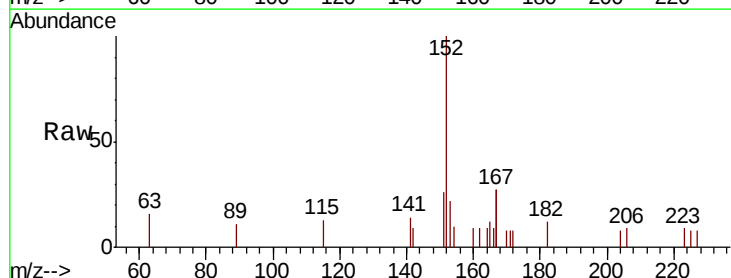
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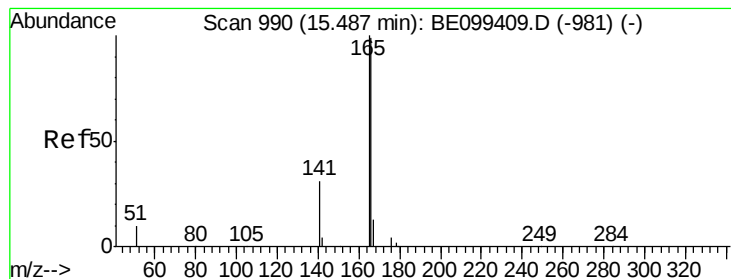
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#16
Acenaphthylene
Concen: 0.042 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.9	9.8	14.6





#18

Fluorene

Concen: 0.020 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

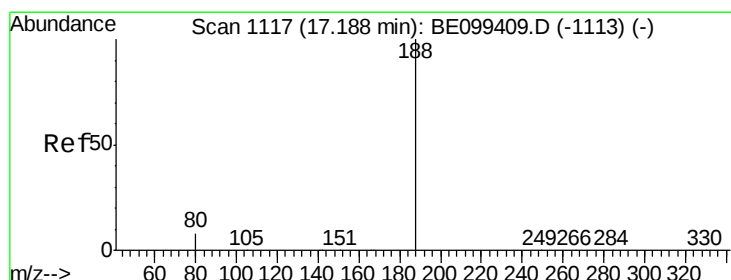
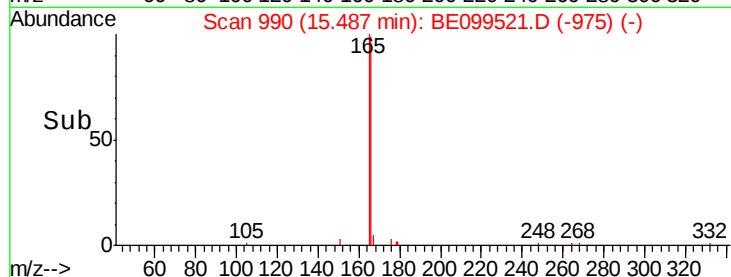
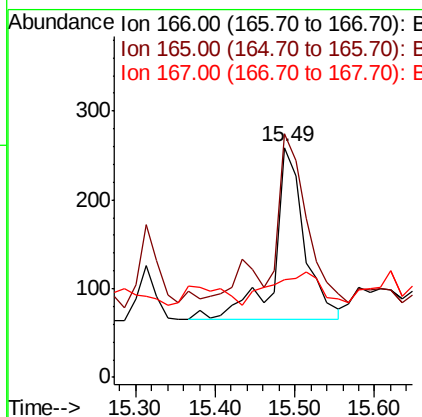
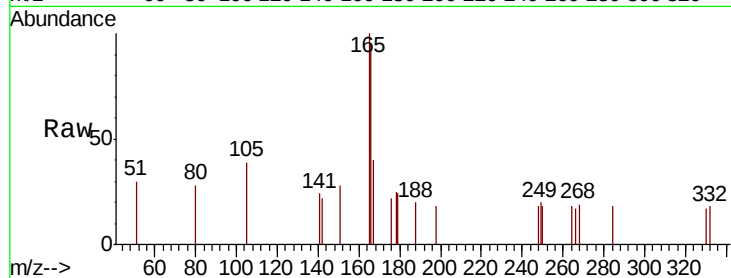
ClientSampleId :

PST-001-B189-042419

Tgt	Ion	Ratio	Lower	Upper
166	100			
165	89.3	80.3	120.5	
167	0.0	10.7	16.1	

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

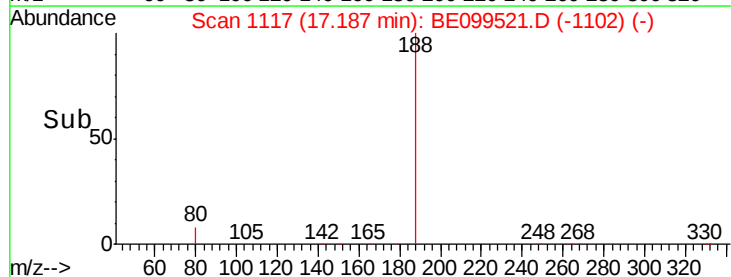
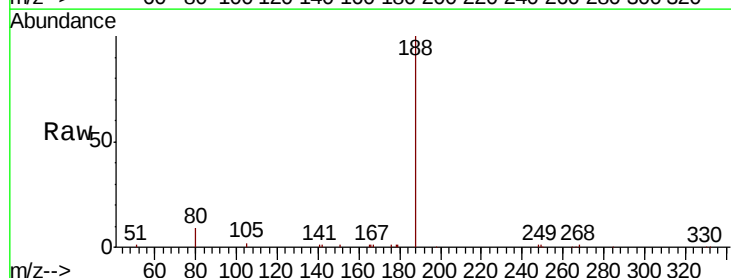
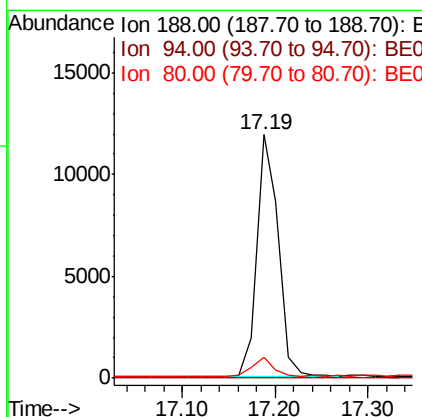
RT: 17.19 min Scan# 1117

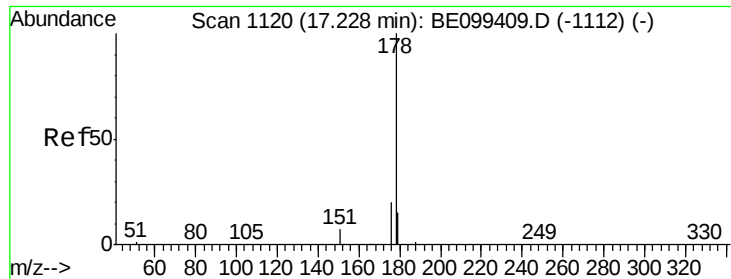
Delta R.T. -0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Tgt	Ion	Ratio	Lower	Upper
188	100			
94	0.0	0.0	0.0	
80	8.8	6.7	10.1	





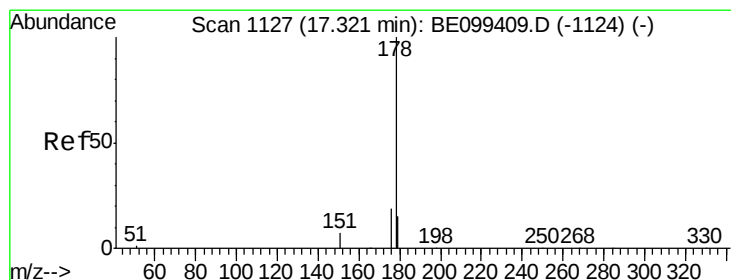
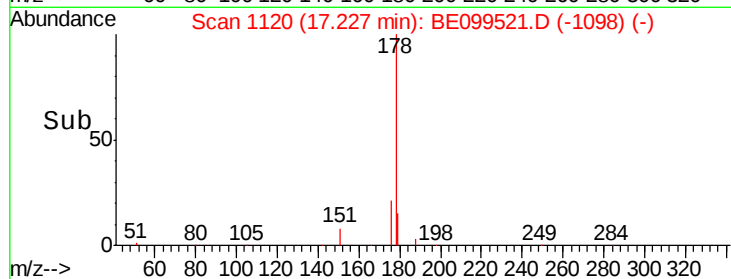
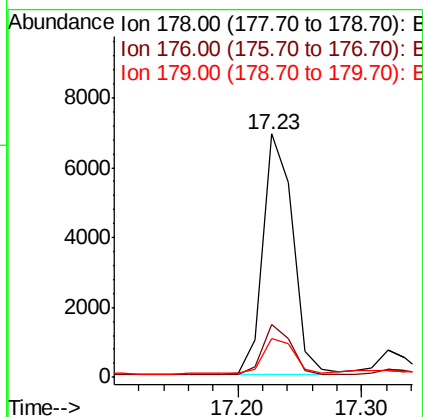
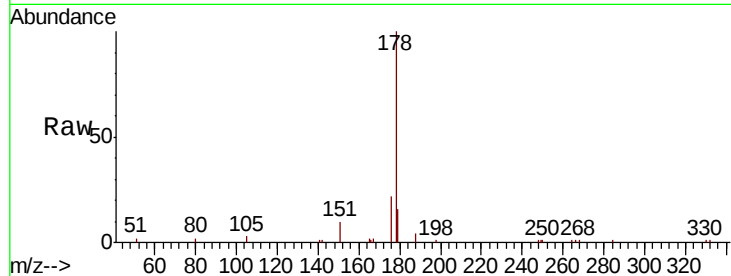
#23
Phenanthrene
Concen: 0.230 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Instrument :
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PST-001-B189-042419

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.6	23.4
179	16.1	12.0	18.0

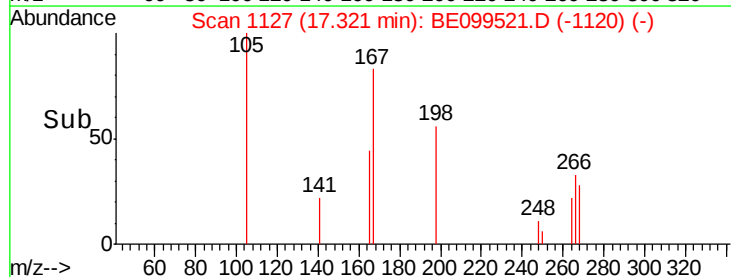
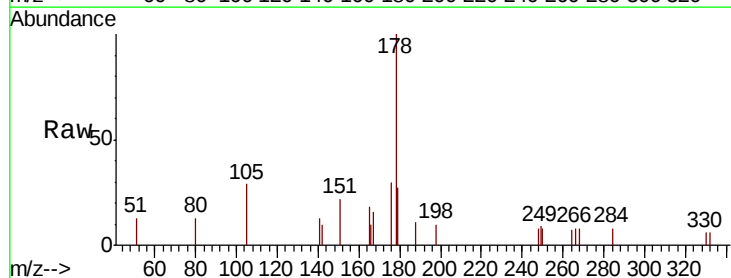
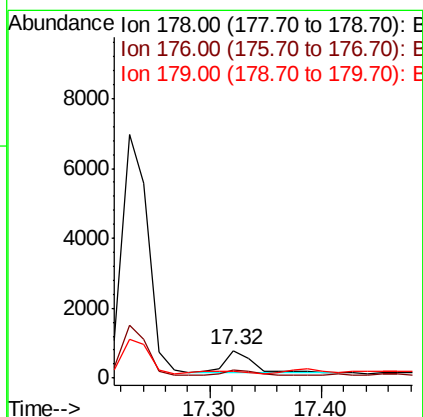
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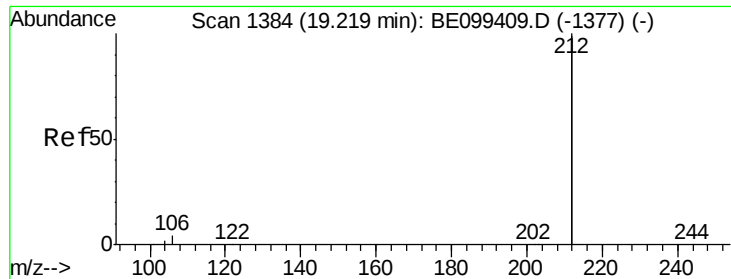
Sohil
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#24
Anthracene
Concen: 0.023 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.5	14.9	22.3#
179	15.2	11.9	17.9





#25

Fluoranthene-d10

Concen: 0.190 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

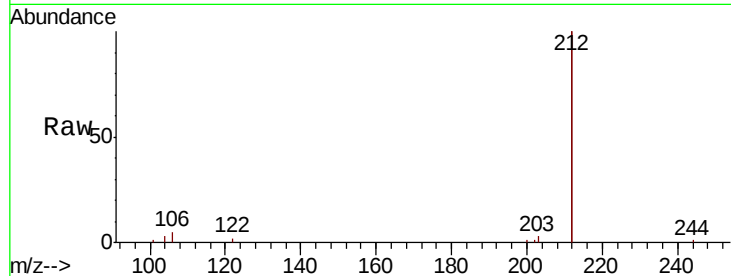
ClientSampleId :

PST-001-B189-042419

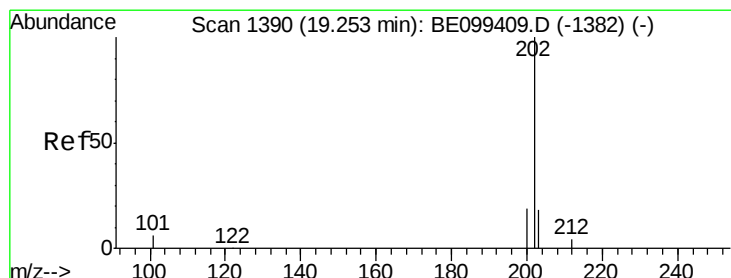
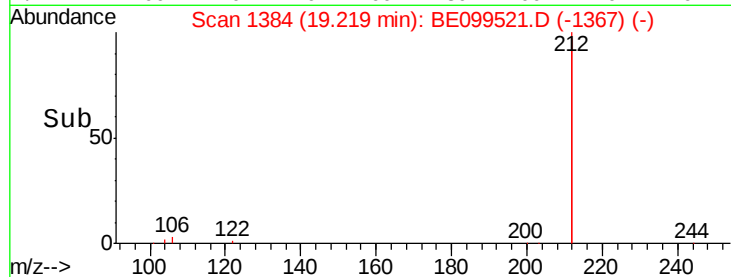
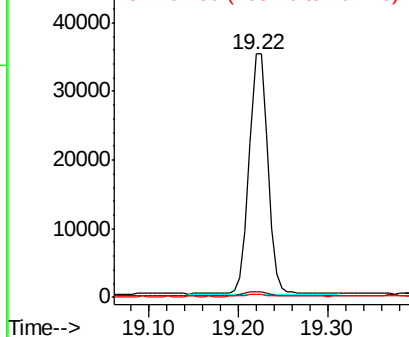
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	49078		
106	2.1	1.5	2.3	
104	1.2	0.9	1.3	

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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



#26

Fluoranthene

Concen: 0.359 ng

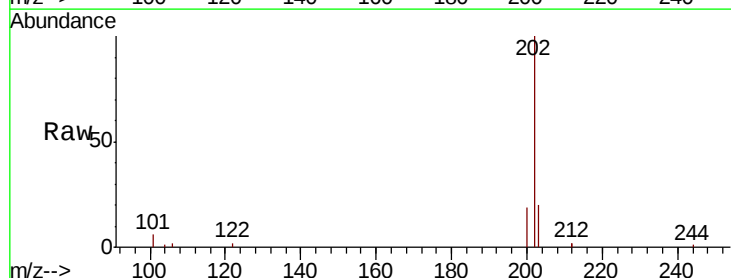
RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

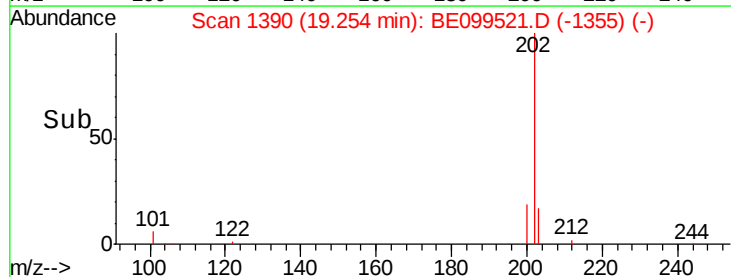
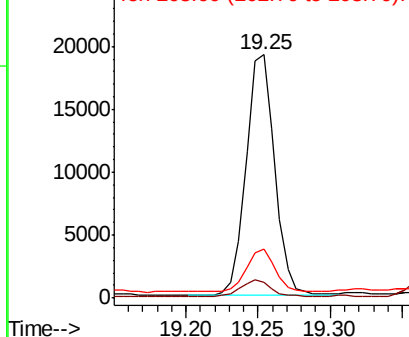
Lab File: BE099521.D

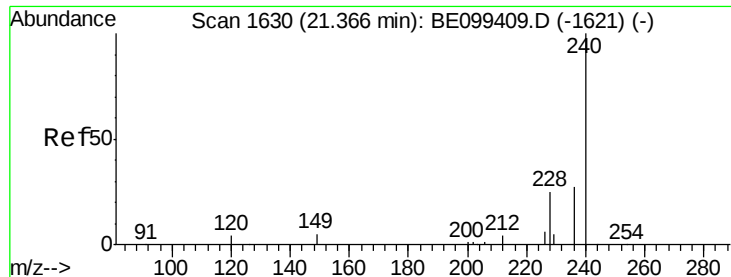
Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	26664		
101	7.2	5.4	8.0	
203	18.5	13.9	20.9	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

ClientSampleId :

PST-001-B189-042419

Tgt Ion: 240 Resp: 24286

Ion Ratio Lower Upper

240 100

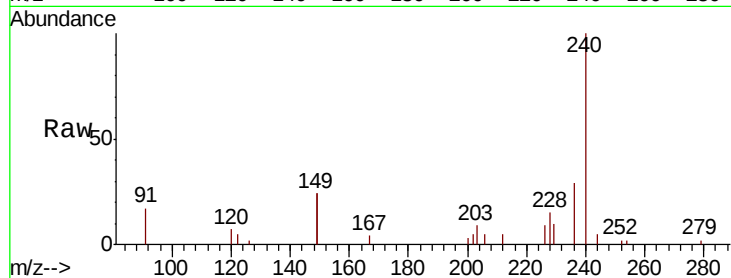
120 7.3 4.0 6.0#

236 29.0 22.0 33.0

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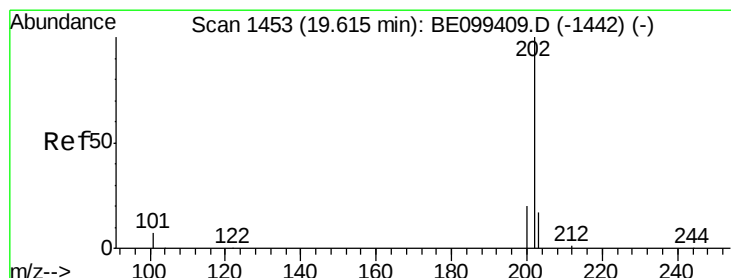
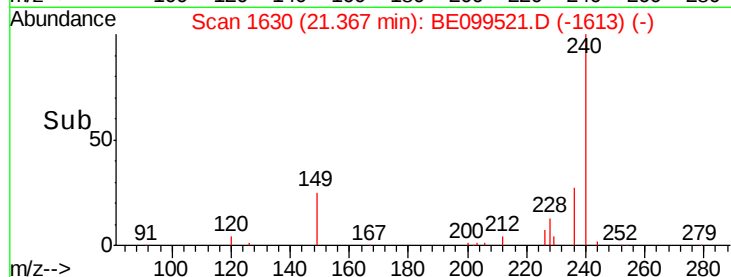
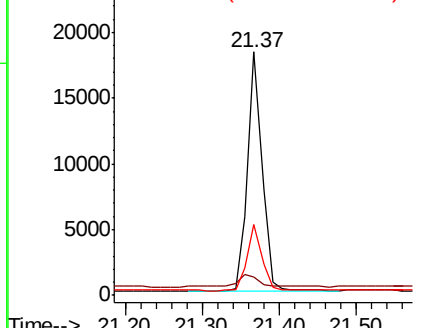
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.438 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

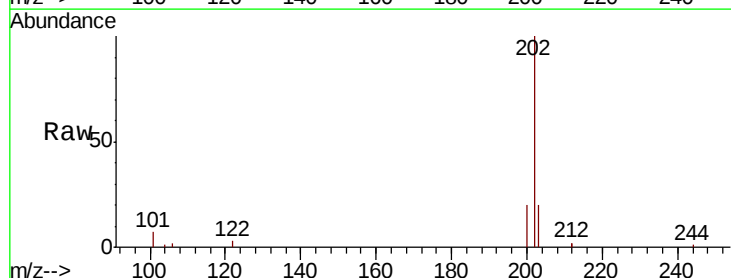
Tgt Ion: 202 Resp: 27738

Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

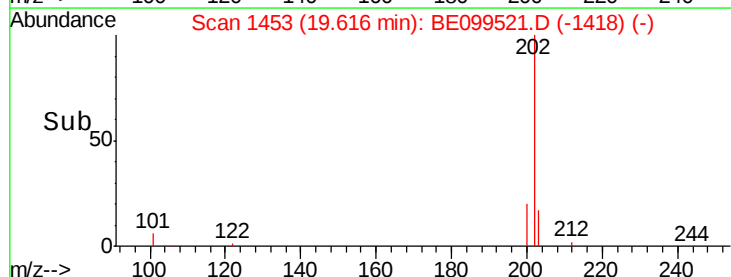
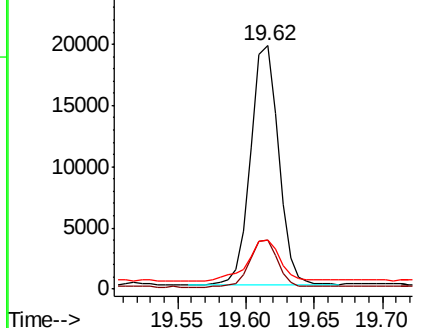
203 20.7 13.9 20.9

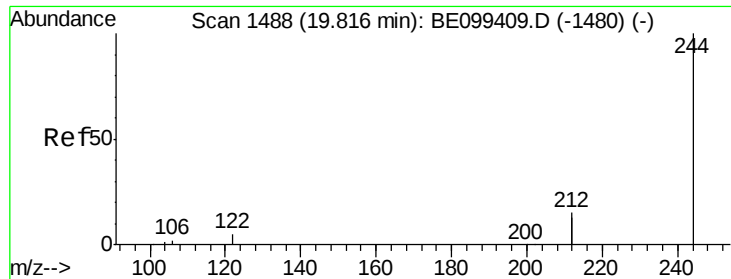


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.221 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Instrument :

BNA_E

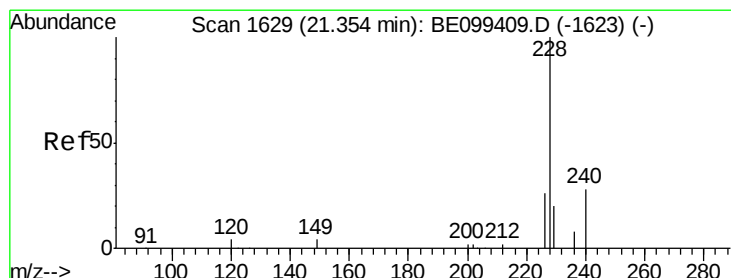
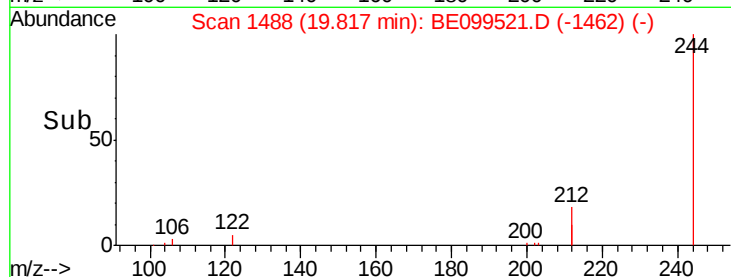
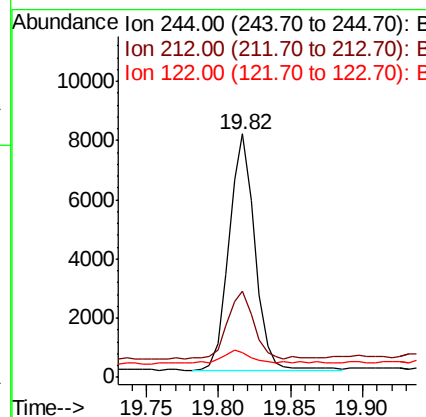
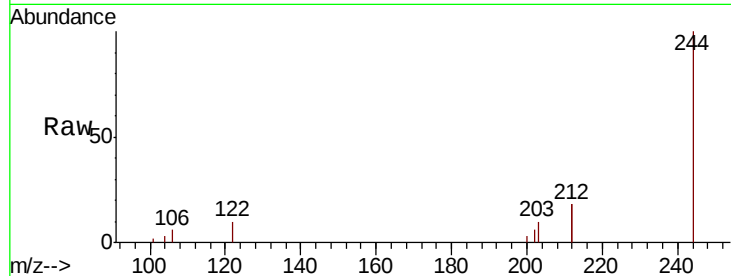
ClientSampleId :

PST-001-B189-042419

Tgt Ion:	244	Resp:	9841
Ion Ratio	Lower	Upper	
244	100		
212	35.3	23.2	34.8#
122	10.2	4.2	6.4#

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#30

Benzo(a)anthracene

Concen: 0.180 ng

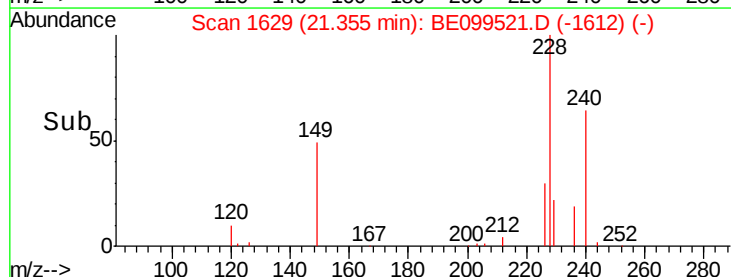
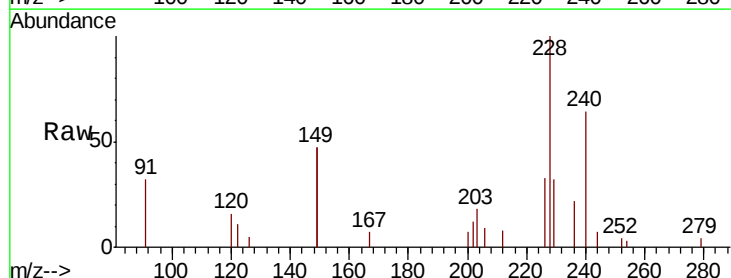
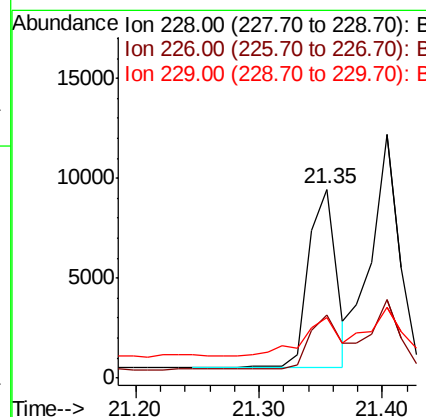
RT: 21.35 min Scan# 1629

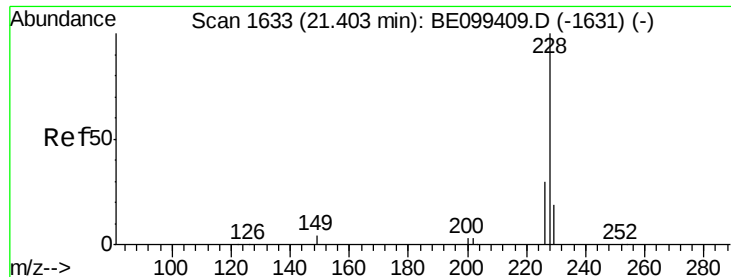
Delta R.T. 0.00 min

Lab File: BE099521.D

Acq: 3 May 2019 8:31

Tgt Ion:	228	Resp:	13914
Ion Ratio	Lower	Upper	
228	100		
226	33.3	21.0	31.6#
229	32.3	16.6	25.0#





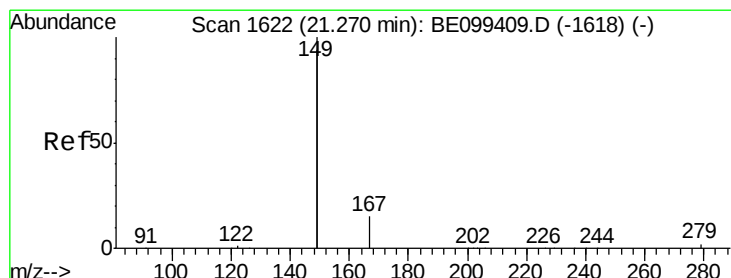
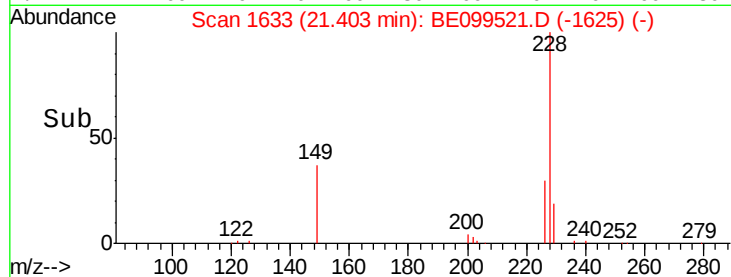
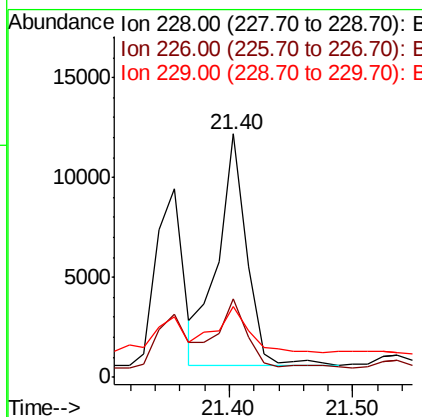
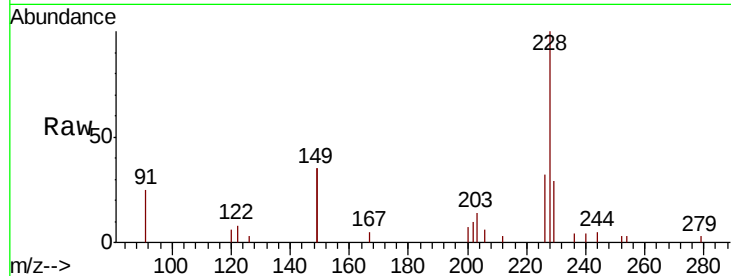
#31
 Chrysene
 Concen: 0.248 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE099521.D
 Acq: 3 May 2019 8:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B189-042419

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	29.1	15.8	23.8

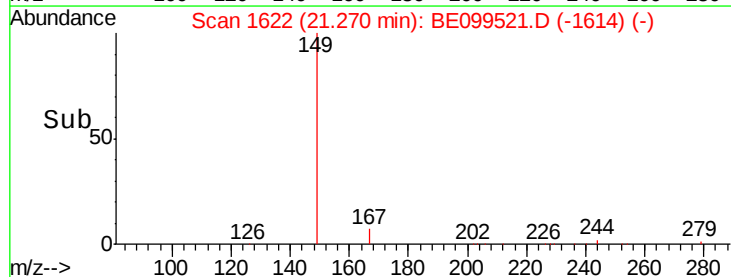
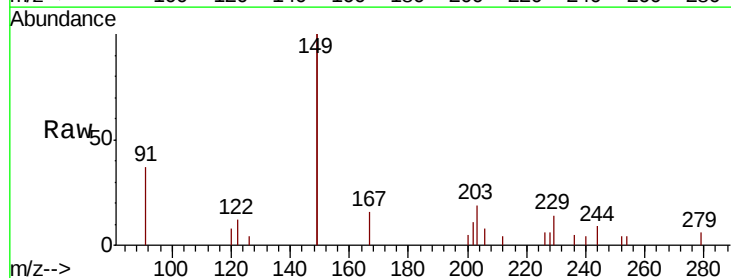
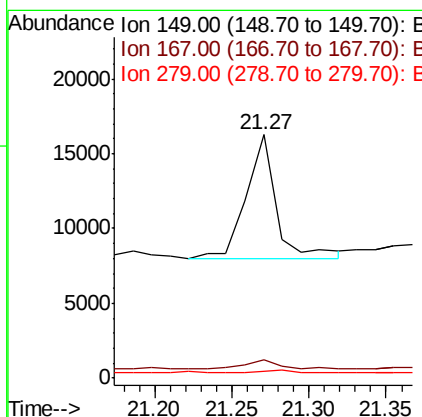
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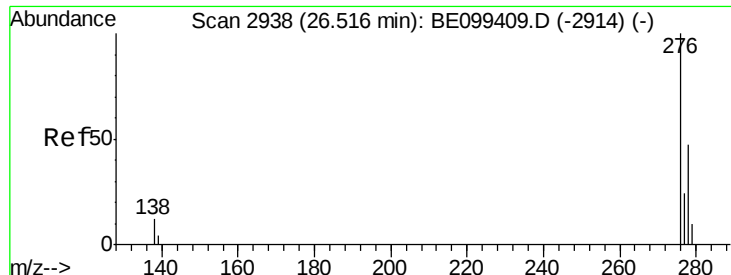
Sohil
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.032 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099521.D
 Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.8	8.6
279	2.0	1.0	1.6





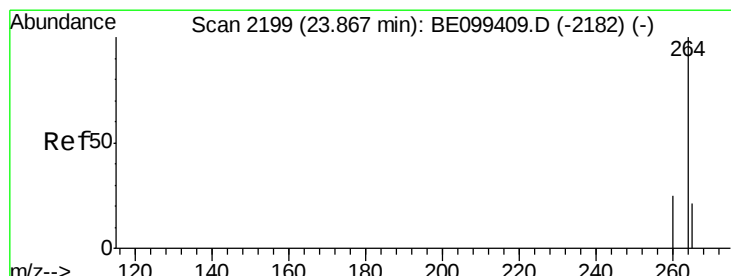
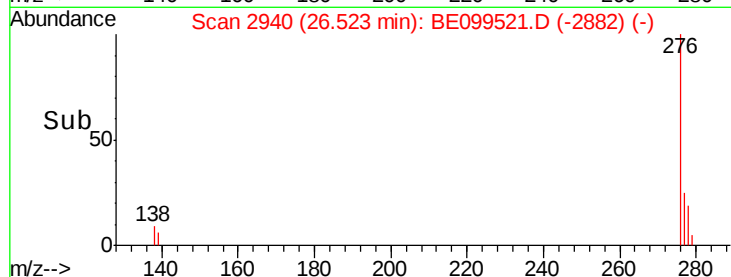
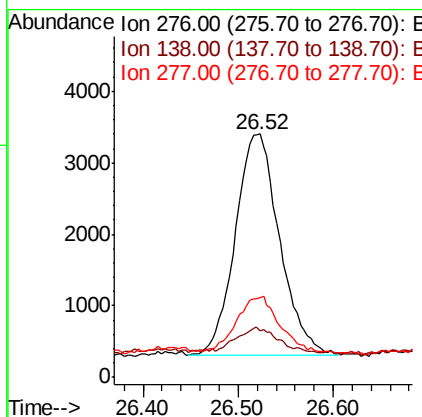
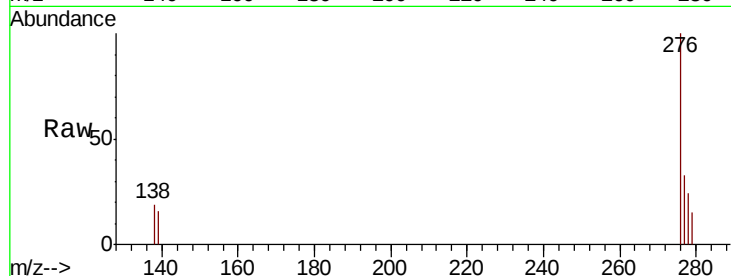
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.111 ng
 RT: 26.52 min Scan# 2940
 Delta R.T. 0.01 min
 Lab File: BE099521.D
 Acq: 3 May 2019 8:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B189-042419

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	10.4	10.2	15.2
277	24.0	19.2	28.8

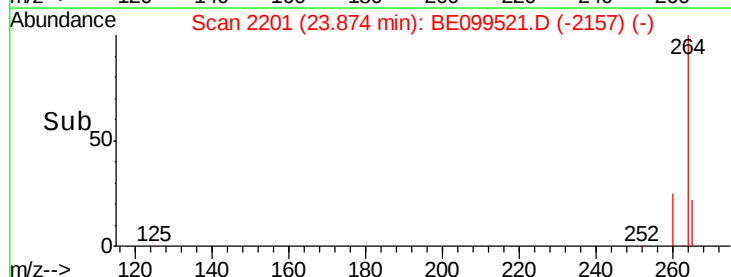
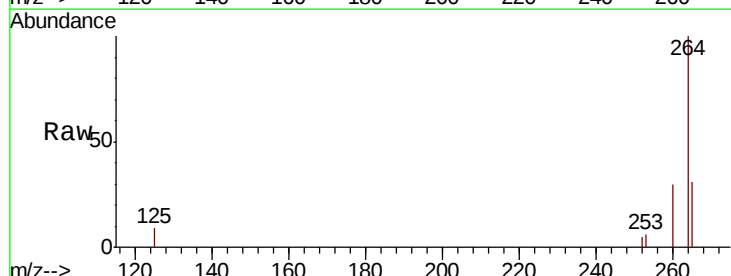
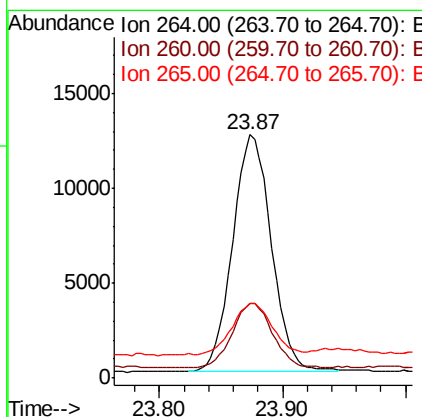
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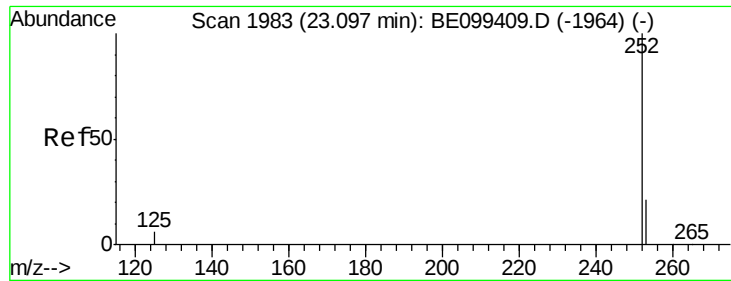
Sohil
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BE099521.D
 Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	30.4	20.2	30.2#
265	30.6	21.3	31.9





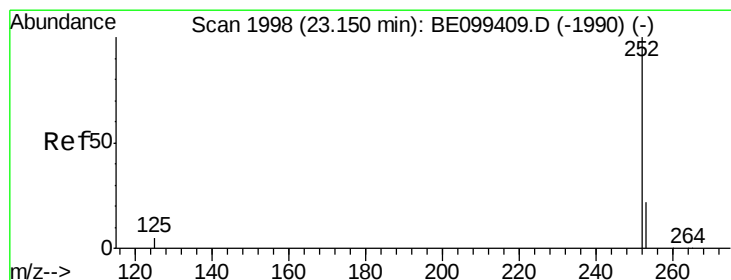
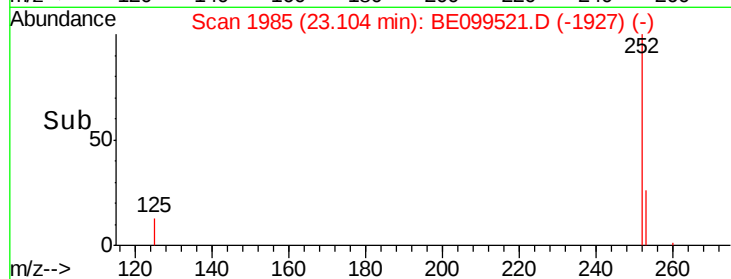
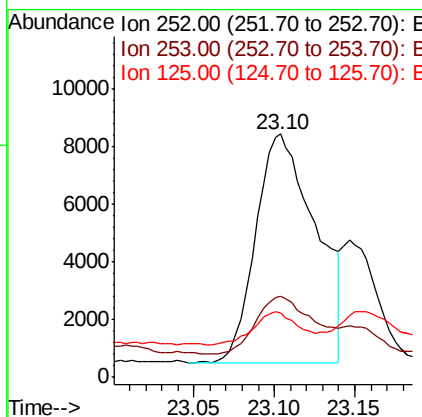
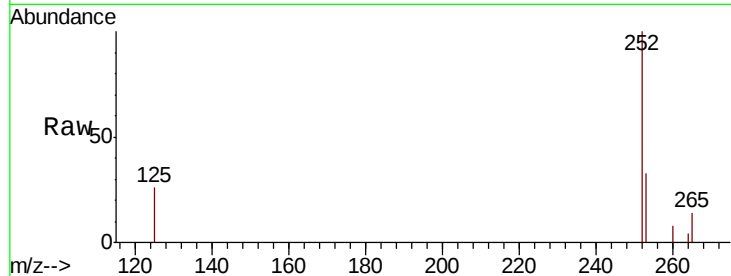
#35
Benzo(b)fluoranthene
Concen: 0.261 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B189-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	18.1	27.1#
125	26.5	5.6	8.4#

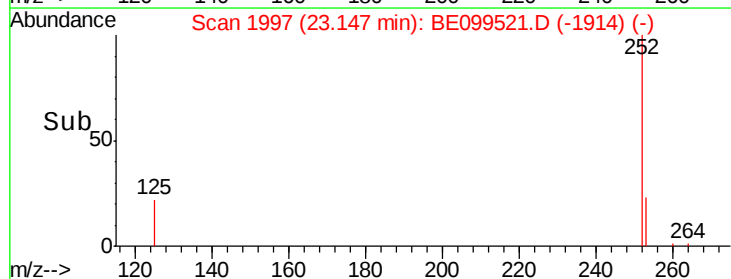
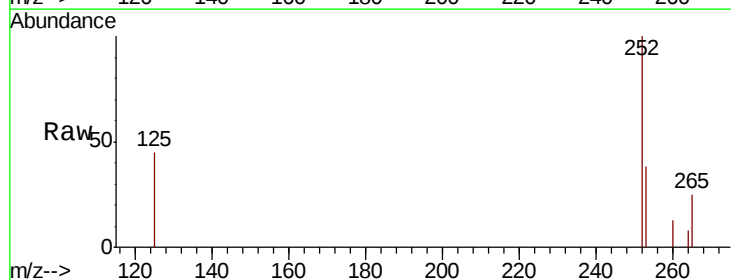
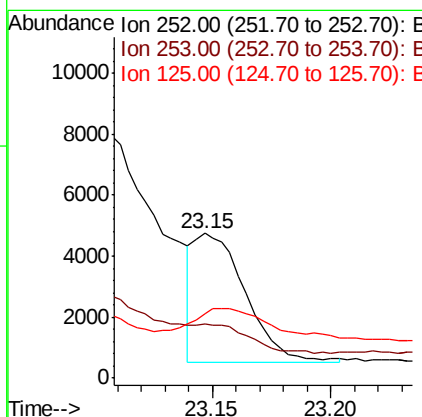
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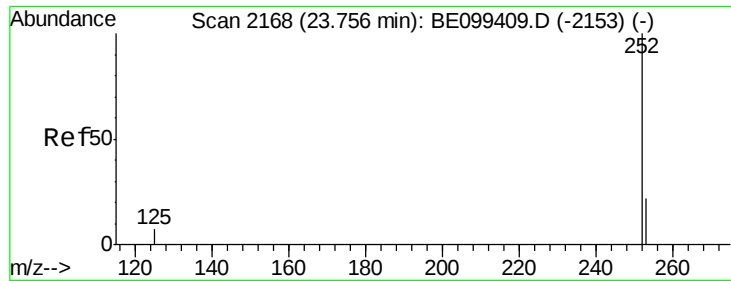
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.083 ng m
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.7	18.4	27.6#
125	44.8	5.0	7.4#





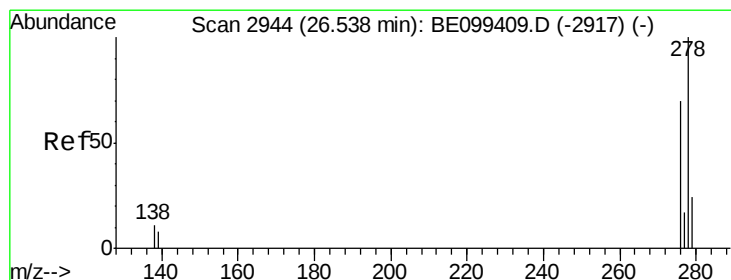
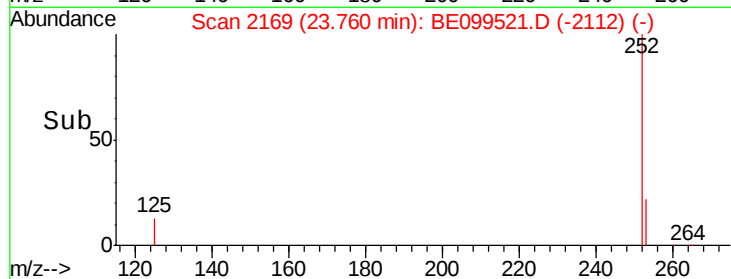
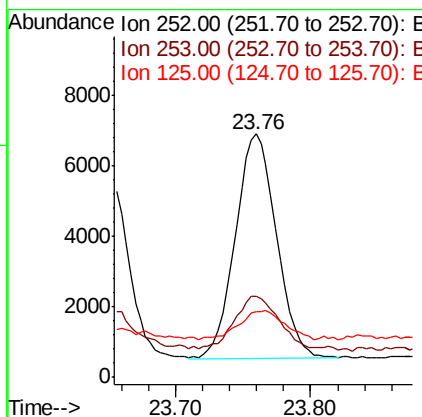
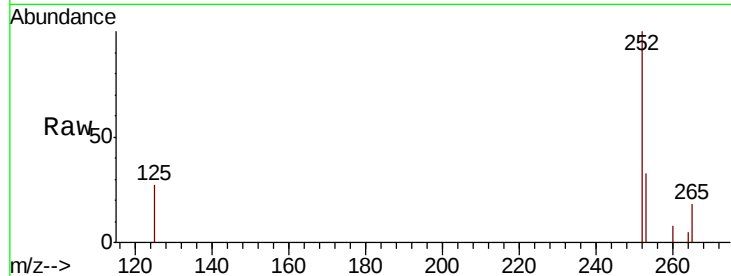
#37
Benzo(a)pyrene
Concen: 0.181 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B189-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.1	18.9	28.3#
125	27.2	6.7	10.1#

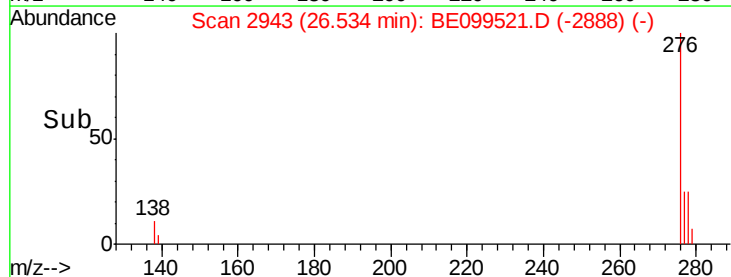
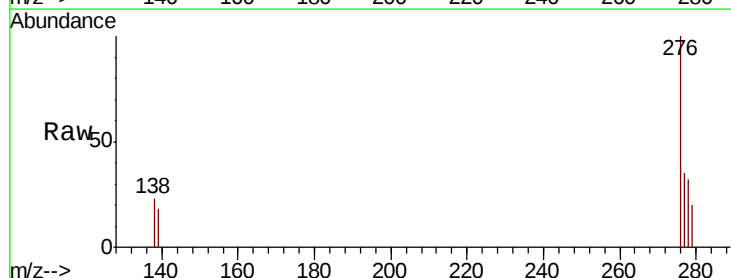
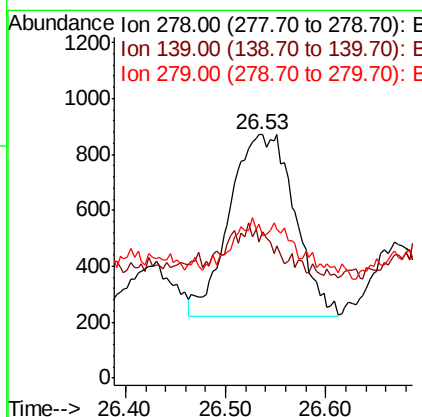
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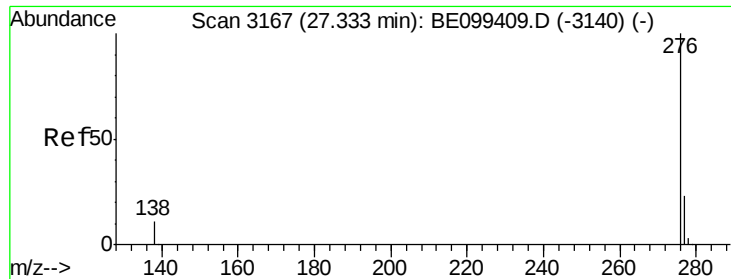
Sohil
5/3/2019 4:24:23 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.038 ng m
RT: 26.53 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BE099521.D
Acq: 3 May 2019 8:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	55.7	7.7	11.5#
279	63.5	20.2	30.2#





#39

Benzo(g,h,i)perylene

Concen: 0.132 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BE099521.D

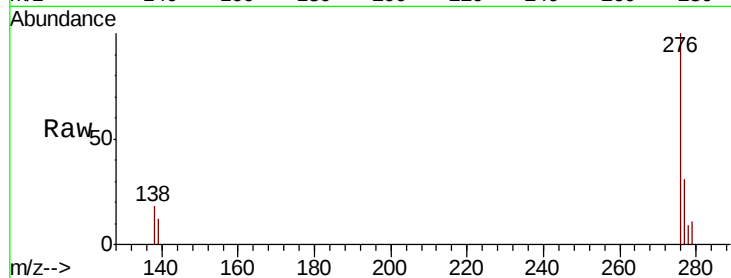
Acq: 3 May 2019 8:31

Instrument :

BNA_E

ClientSampleId :

PST-001-B189-042419



Tgt Ion:	276	Resp:	10114
Ion Ratio		Lower	Upper
276	100		
277	31.3	19.5	29.3#
138	17.7	9.6	14.4#

Manual Integrations
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5/3/2019 4:24:23 PM

