

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099501.D
 Acq On : 2 May 2019 19:56
 Operator : JU/SJ
 Sample : K2589-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B195-042519

Manual Integrations
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Sohil
 5/3/2019 4:23:25 PM

Quant Time: May 03 05:08:18 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	2343	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	7897	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5882	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19143	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26604	0.40	ng	0.00
34) Perylene-d12	23.87	264	30214	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2697	0.42	ng	0.00
5) Phenol-d6	6.97	99	3894	0.45	ng	0.00
8) Nitrobenzene-d5	8.96	82	3138	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5450	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1839	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	8362	0.37	ng	-0.02
25) Fluoranthene-d10	19.22	212	101142	0.39	ng	0.00
29) Terphenyl-d14	19.82	244	20646	0.42	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.23	178	5449	0.110	ng	98
24) Anthracene	17.32	178	945	0.020	ng	96
26) Fluoranthene	19.25	202	20484	0.277	ng	100
28) Pyrene	19.61	202	19772	0.285	ng	96
30) Benzo(a)anthracene	21.35	228	14023	0.165	ng	94
31) Chrysene	21.40	228	12866	0.155	ng	96
33) Indeno(1,2,3-cd)pyrene	26.51	276	8845	0.090	ng	99
35) Benzo(b)fluoranthene	23.10	252	18392	0.211	ng	# 89
36) Benzo(k)fluoranthene	23.14	252	6916m	0.082	ng	
37) Benzo(a)pyrene	23.75	252	12871	0.156	ng	# 92
38) Dibenzo(a,h)anthracene	26.53	278	2345	0.028	ng	# 58
39) Benzo(g,h,i)perylene	27.33	276	8149	0.097	ng	# 93

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

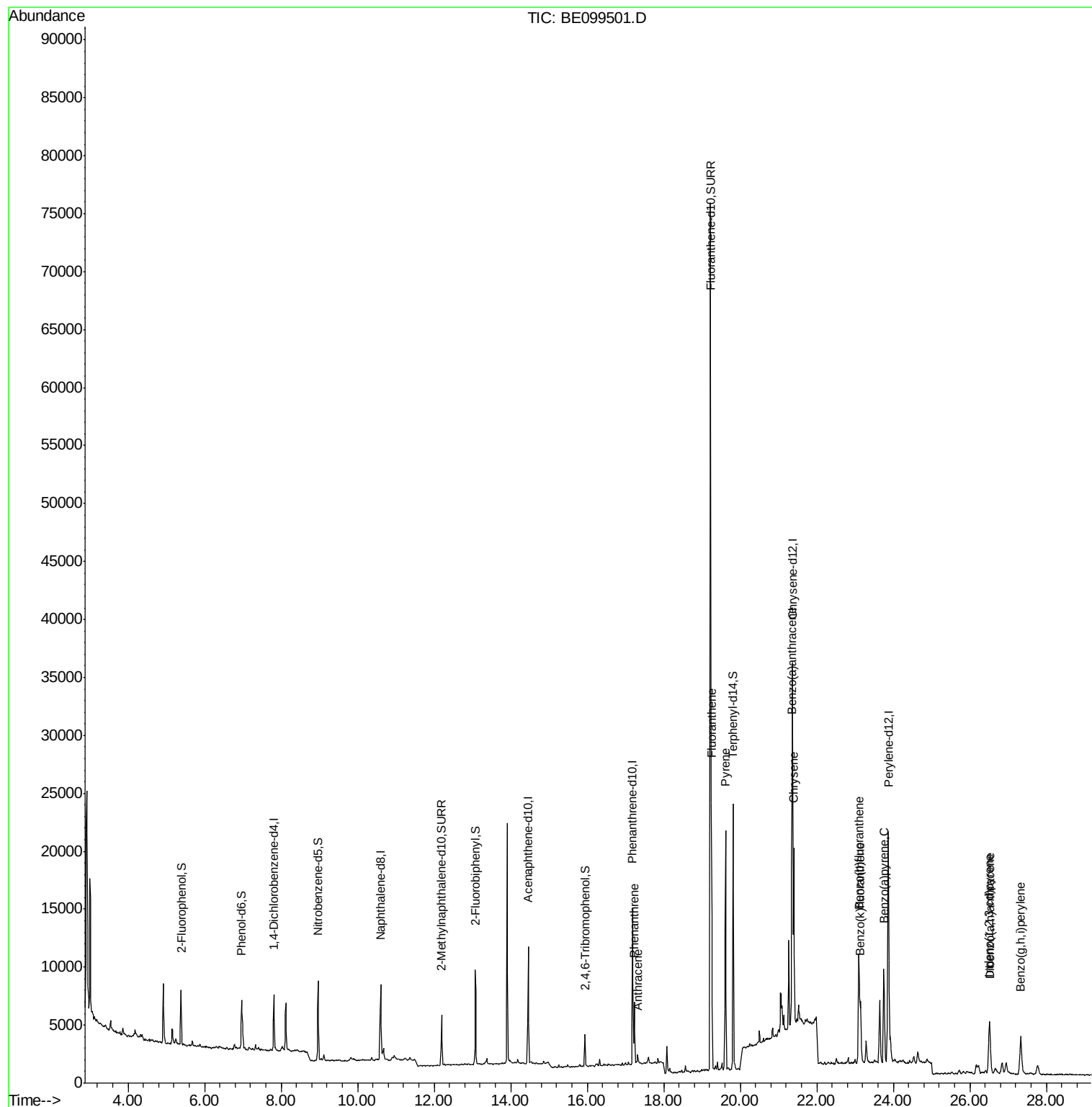
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099501.D
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ALS Vial : 11 Sample Multiplier: 1

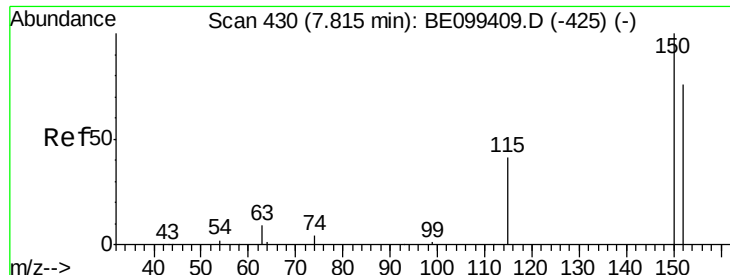
Instrument :
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PST-001-B195-042519

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Quant Time: May 03 05:08:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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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: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

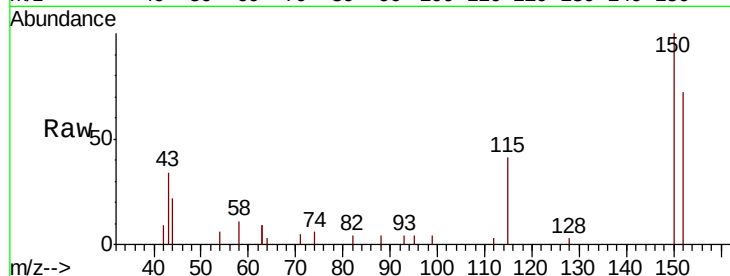
ClientSampleId :

PST-001-B195-042519

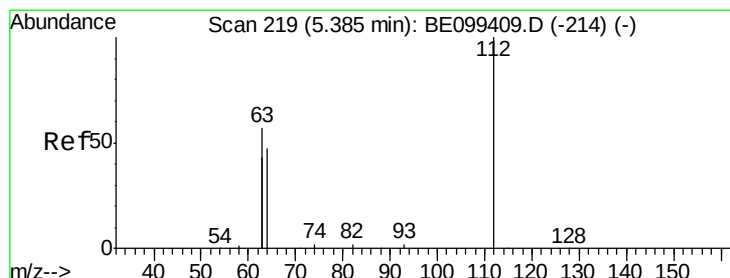
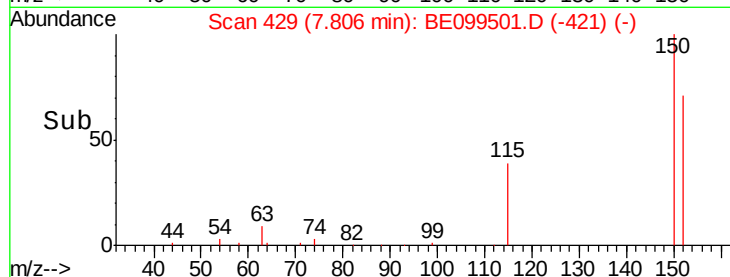
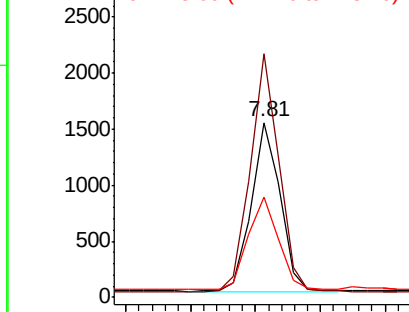
Tgt Ion:	152	Resp:	2343
Ion Ratio	Lower	Upper	
152	100		
150	139.4	104.8	157.2
115	57.7	46.6	69.8

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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: 0.416 ng

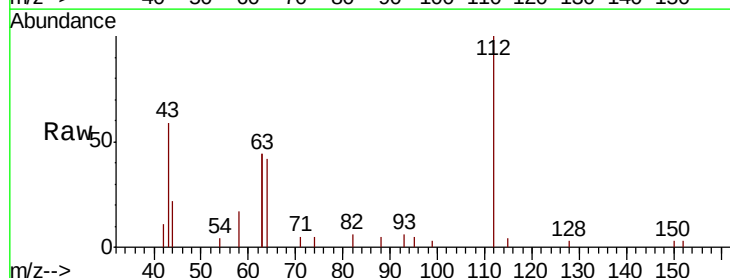
RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

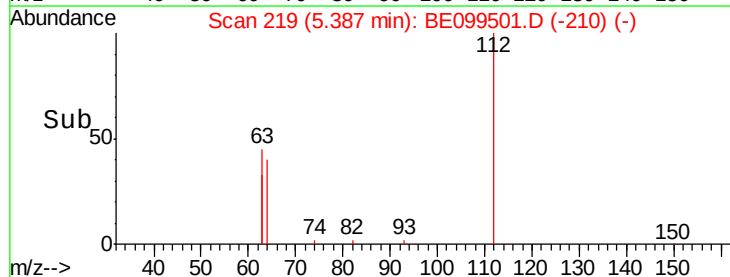
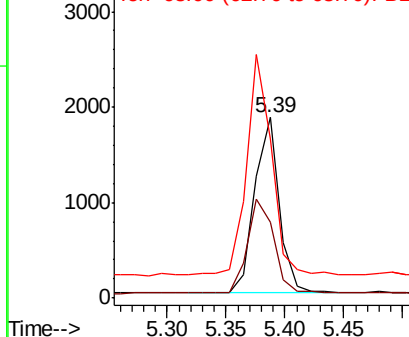
Lab File: BE099501.D

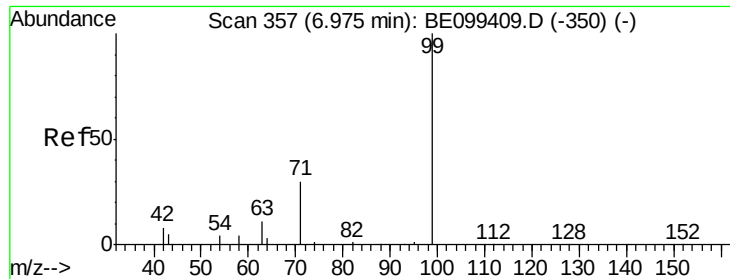
Acq: 2 May 2019 19:56

Tgt Ion:	112	Resp:	2697
Ion Ratio	Lower	Upper	
112	100		
64	58.2	47.4	71.0
63	126.8	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: 0.452 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

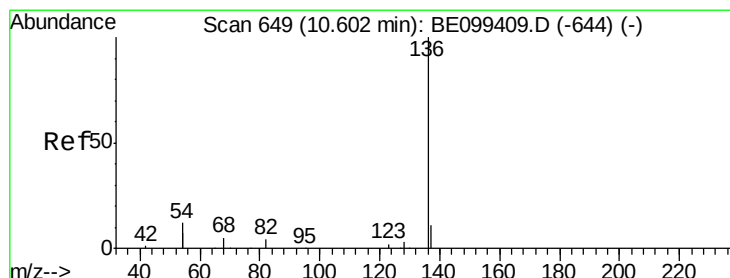
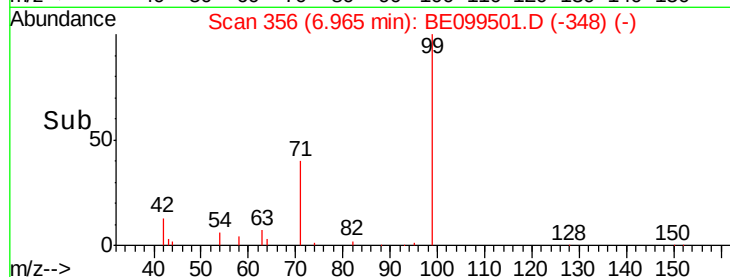
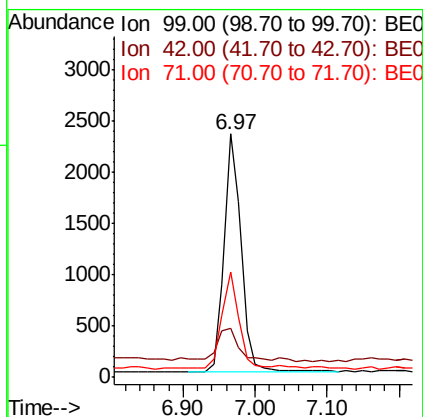
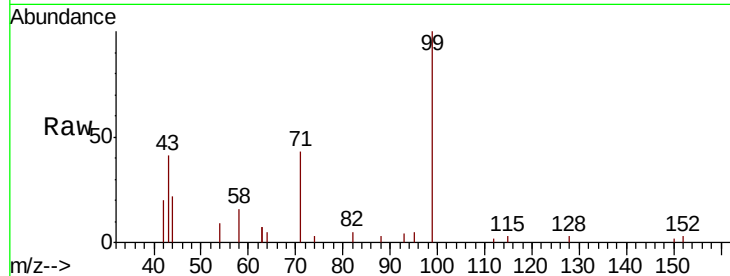
ClientSampleId :

PST-001-B195-042519

Tgt Ion:	99	Resp:	3894
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.9	22.3
71	38.6	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

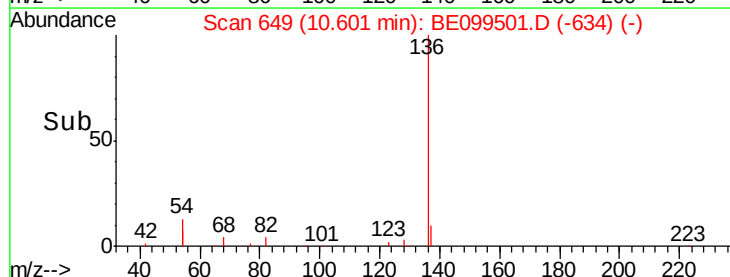
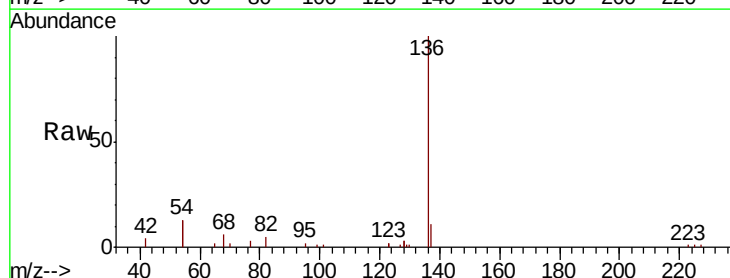
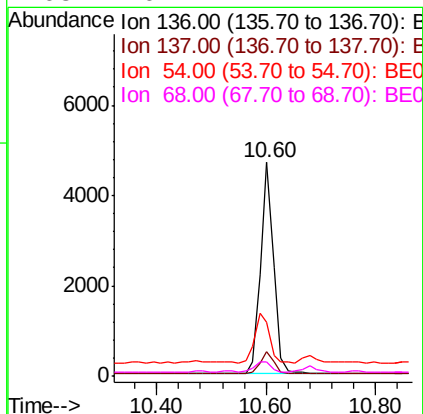
RT: 10.60 min Scan# 649

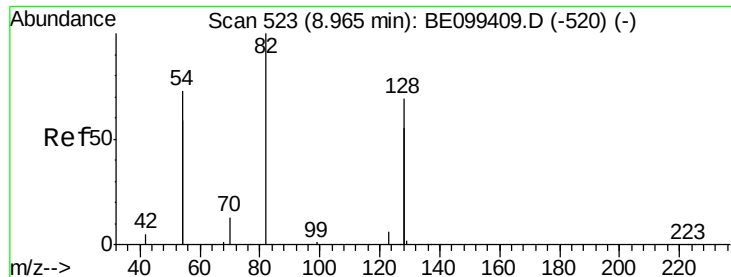
Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Tgt Ion:	136	Resp:	7897
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.8
54	25.1	18.5	27.7
68	6.4	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.424 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

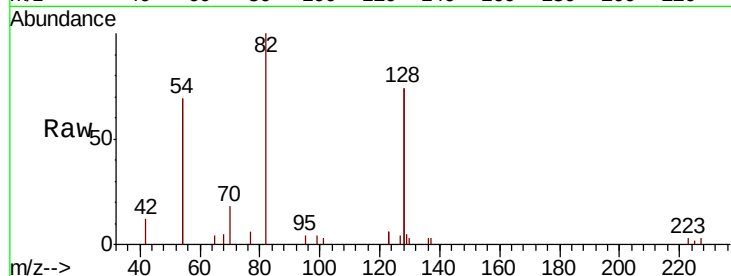
ClientSampleId :

PST-001-B195-042519

Tgt Ion:	82	Resp:	3138
Ion Ratio	Lower	Upper	
82	100		
128	148.3	107.0	160.4
54	138.6	113.1	169.7

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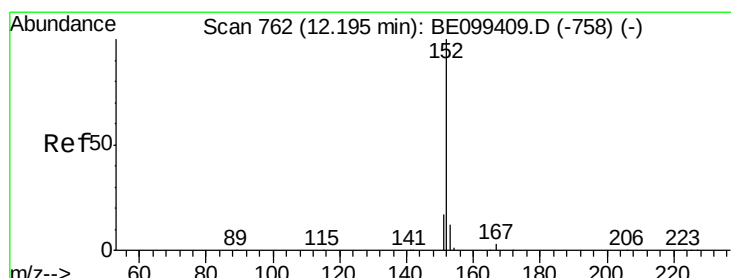
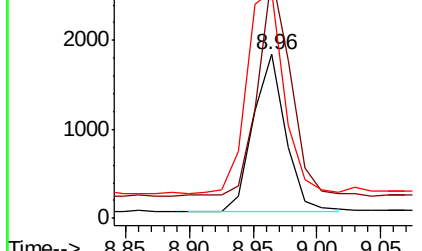
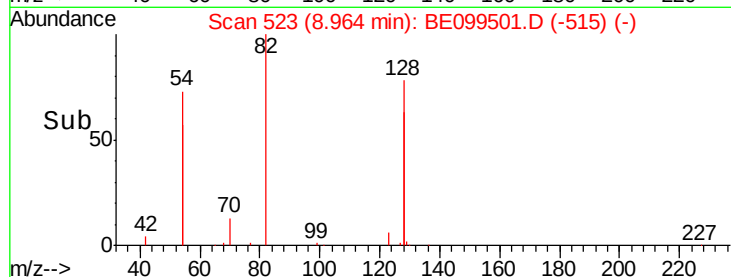


Abundance Ion 82.00 (81.70 to 82.70): BE099501.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099501.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099501.D (-515) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.383 ng

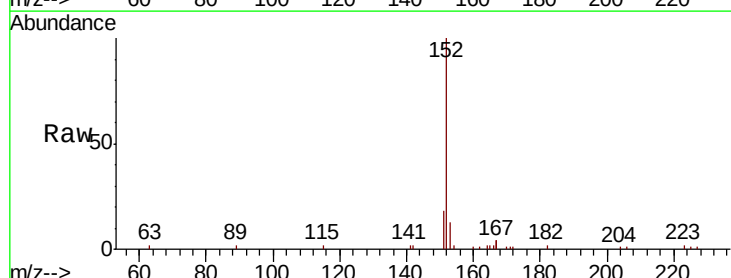
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

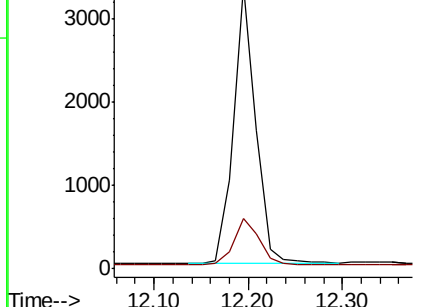
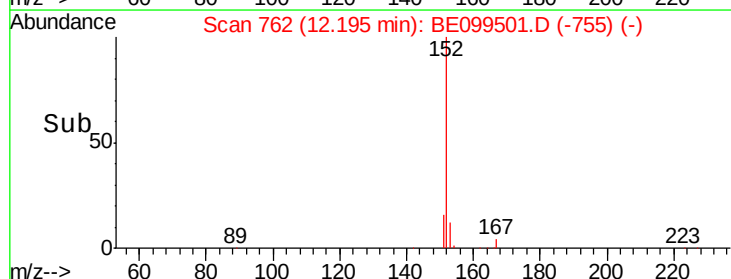
Tgt Ion:	152	Resp:	5450
Ion Ratio	Lower	Upper	
152	100		
151	18.7	15.5	23.3

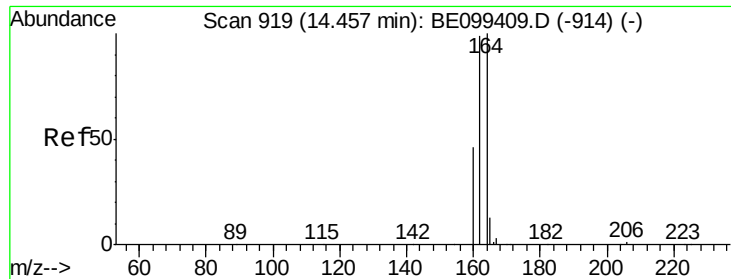


Abundance Ion 152.00 (151.70 to 152.70): BE099501.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099501.D (-755) (-)

Time-->





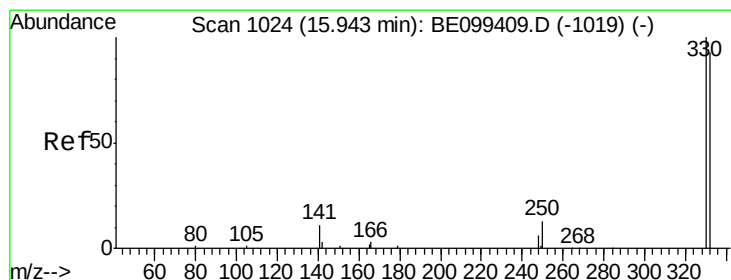
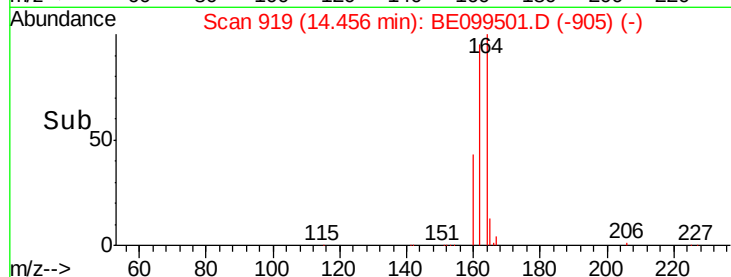
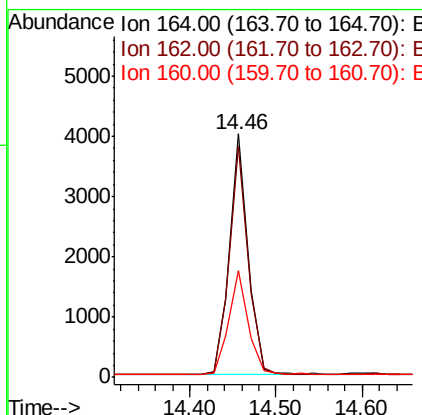
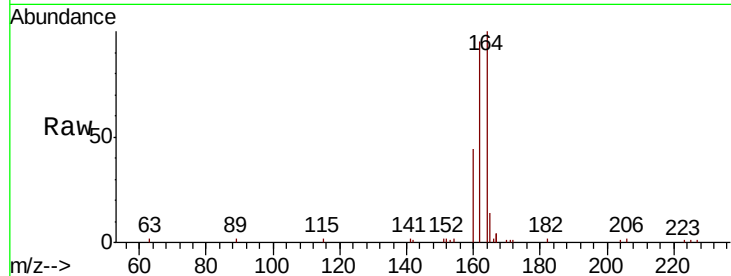
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099501.D
 Acq: 2 May 2019 19:56

Instrument :
 BNA_E
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 PST-001-B195-042519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.8	79.0	118.4
160	43.6	37.0	55.4

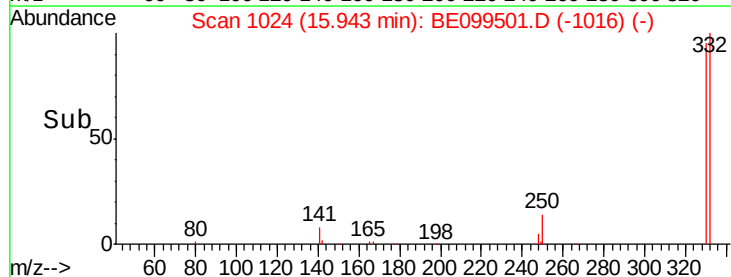
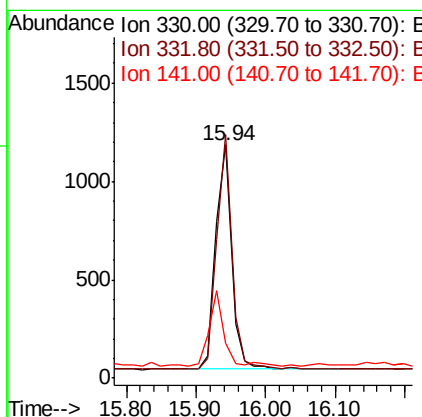
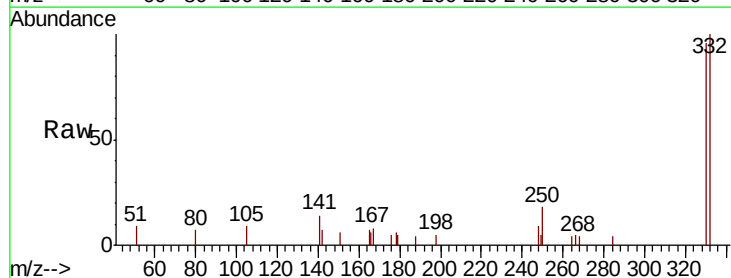
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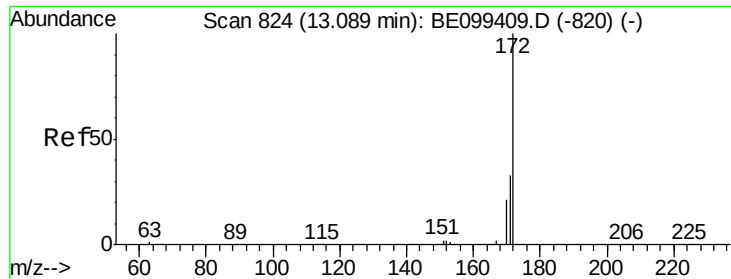
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#14
 2,4,6-Tribromophenol
 Concen: 0.496 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099501.D
 Acq: 2 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.7	71.5	107.3
141	28.9	24.0	36.0





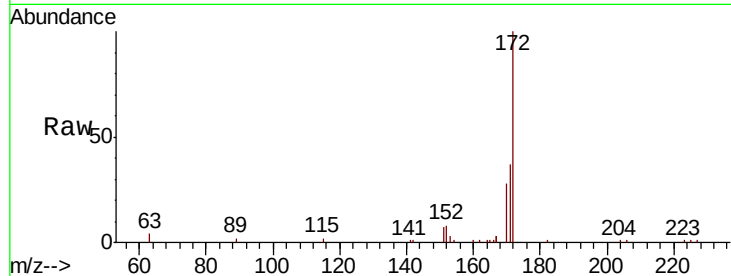
#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099501.D
Acq: 2 May 2019 19:56

Instrument :
BNA_E
ClientSampleId :
PST-001-B195-042519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	26.6	39.8
170	27.9	17.0	25.6

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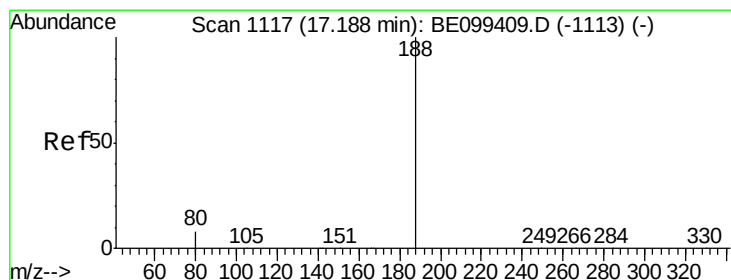
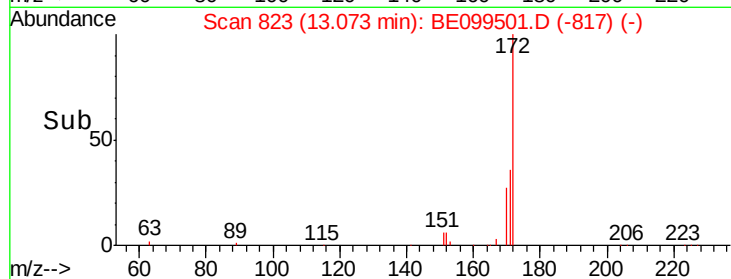
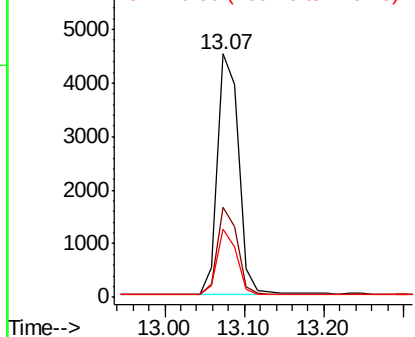


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099501.D
Acq: 2 May 2019 19:56

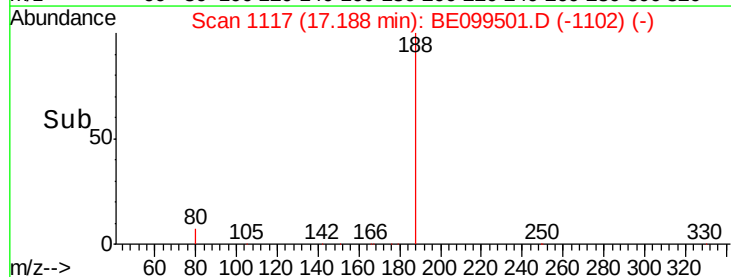
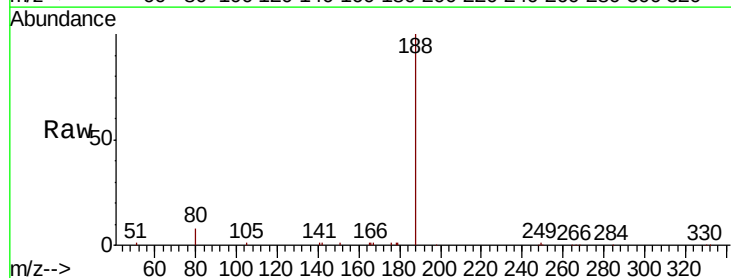
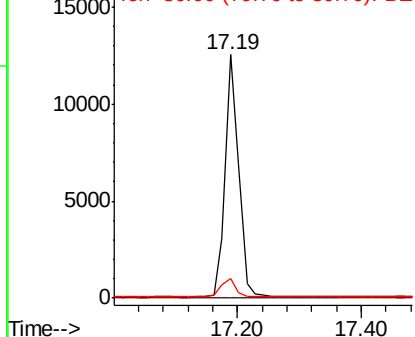
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	6.7	10.1

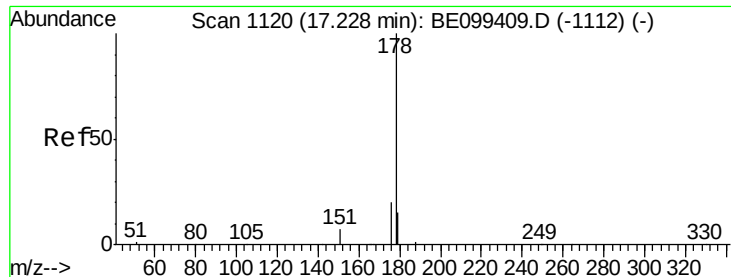
Abundance

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: 0.110 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

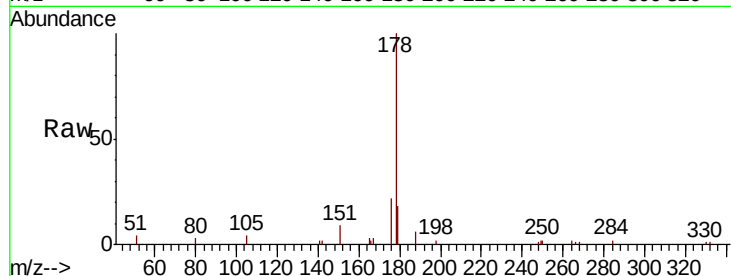
ClientSampleId :

PST-001-B195-042519

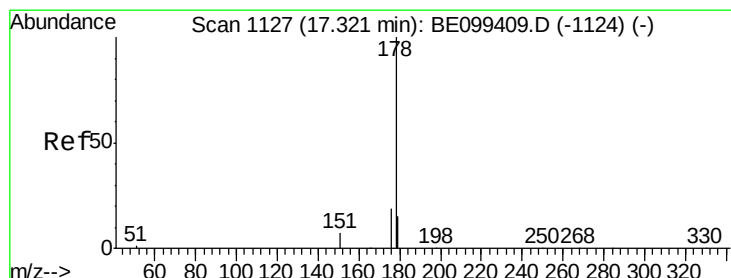
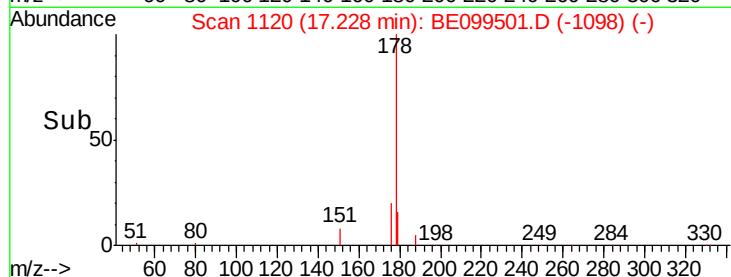
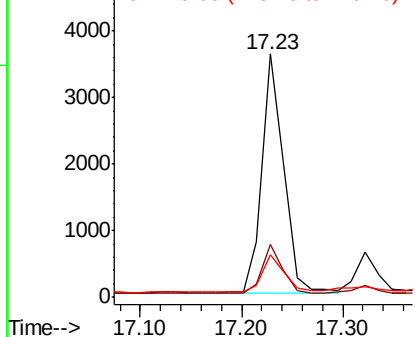
Tgt Ion:	178	Resp:	5449
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	16.2	12.0	18.0

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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



#24

Anthracene

Concen: 0.020 ng

RT: 17.32 min Scan# 1127

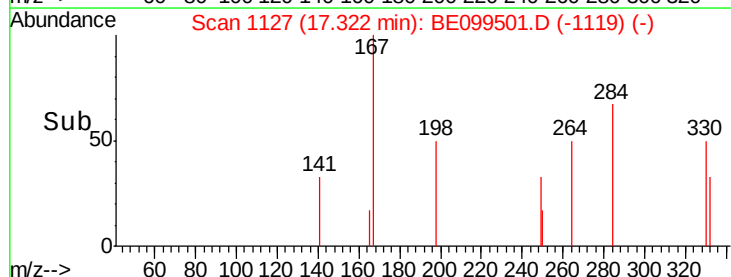
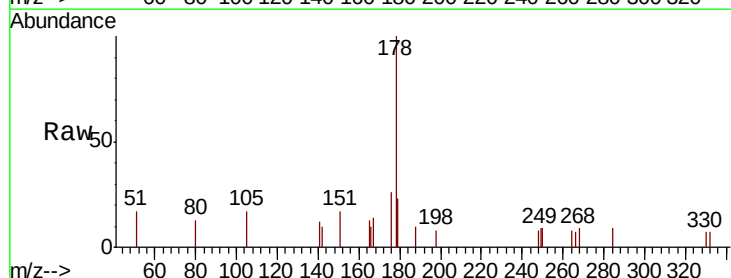
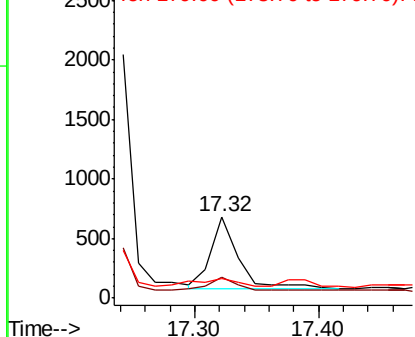
Delta R.T. 0.00 min

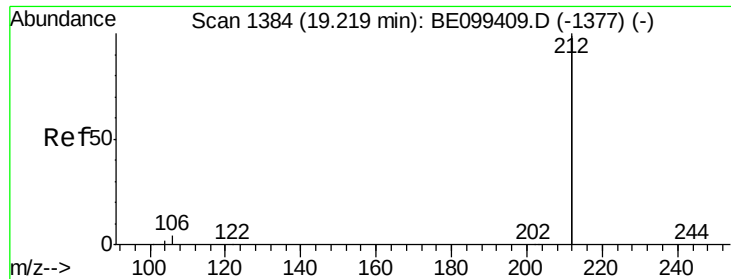
Lab File: BE099501.D

Acq: 2 May 2019 19:56

Tgt Ion:	178	Resp:	945
Ion Ratio	Lower	Upper	
178	100		
176	16.9	14.9	22.3
179	16.7	11.9	17.9

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





#25

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

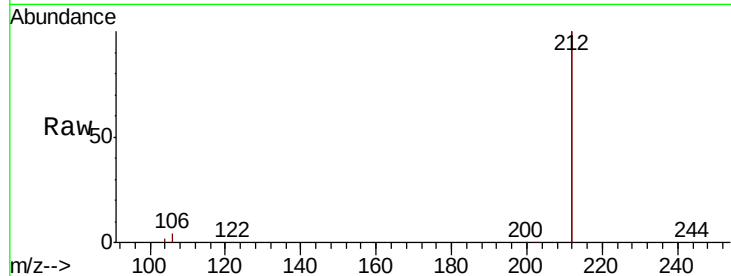
ClientSampleId :

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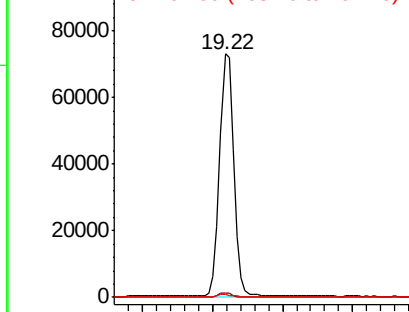
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	101142		
106	1.8		1.5	2.3
104	1.2		0.9	1.3

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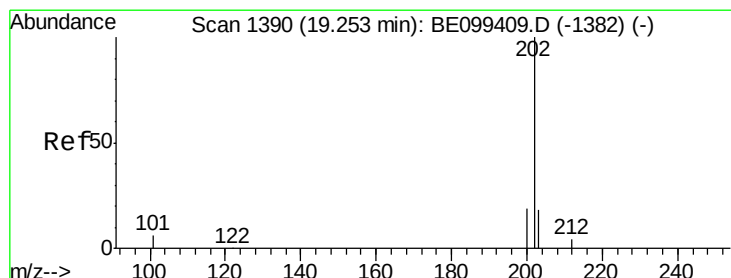
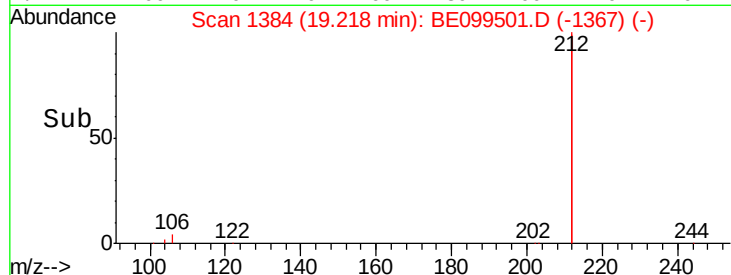
Sohil
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.277 ng

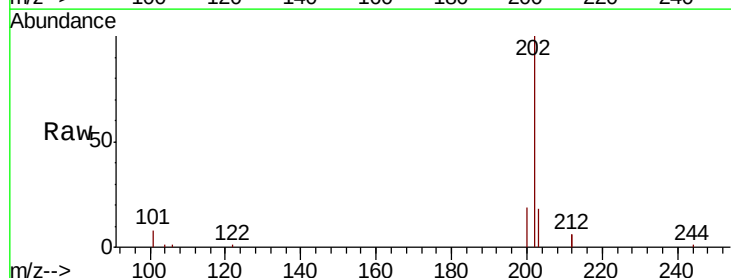
RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

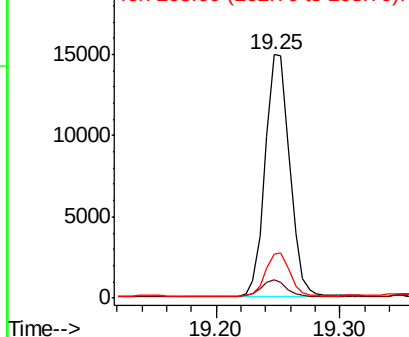
Lab File: BE099501.D

Acq: 2 May 2019 19:56

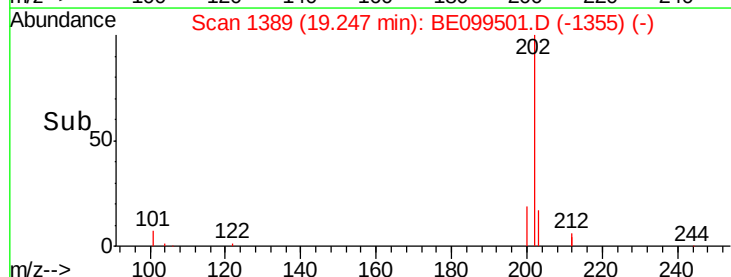
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	20484		
101	7.1		5.4	8.0
203	17.5		13.9	20.9

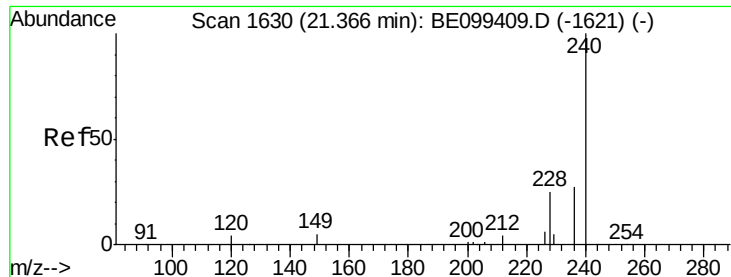


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

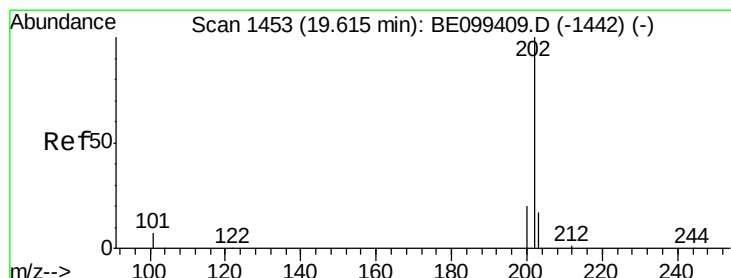
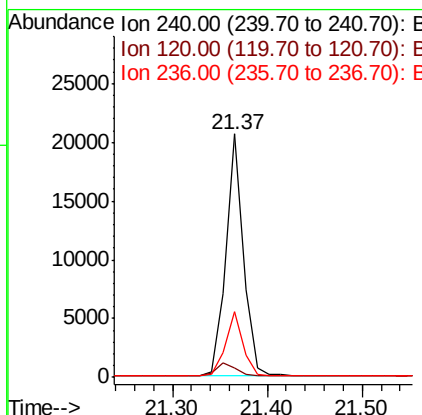
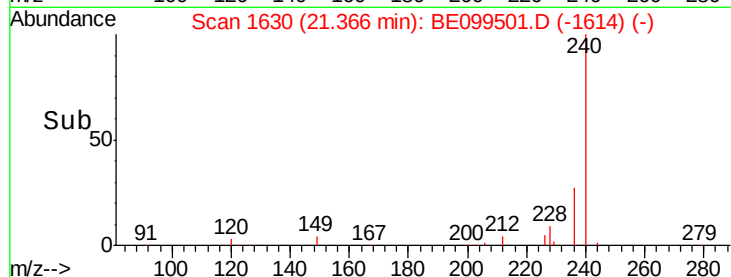
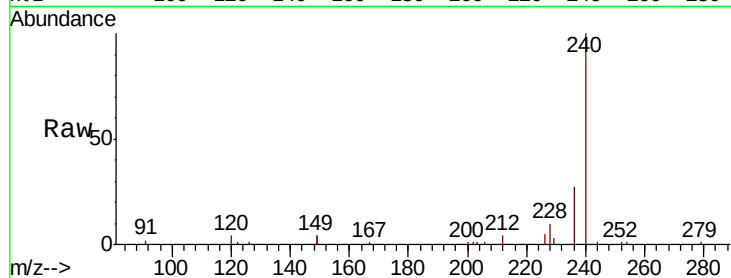
ClientSampleId :

PST-001-B195-042519

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.9	4.0	6.0#
236	27.1	22.0	33.0

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#28

Pyrene

Concen: 0.285 ng

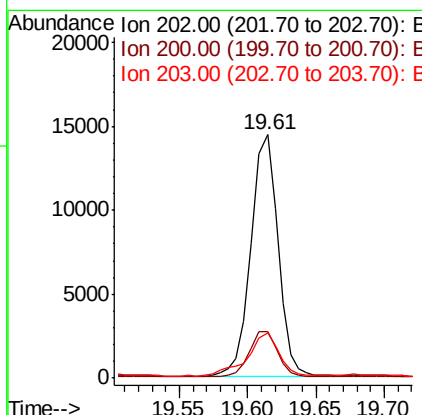
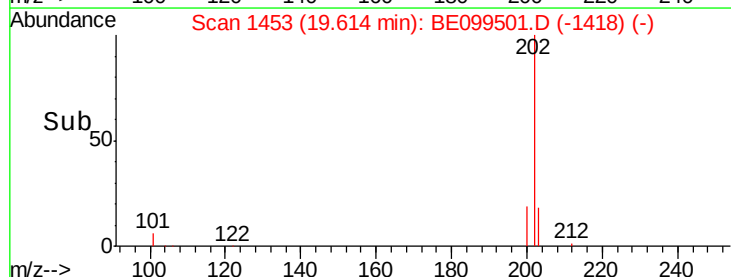
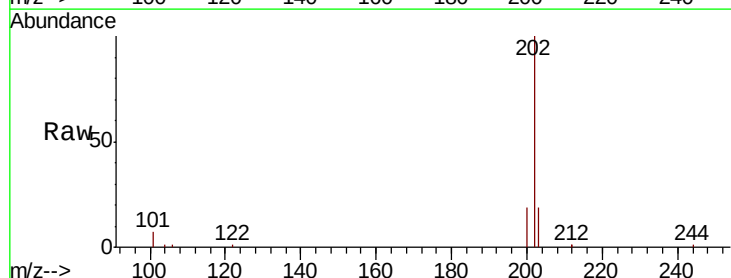
RT: 19.61 min Scan# 1453

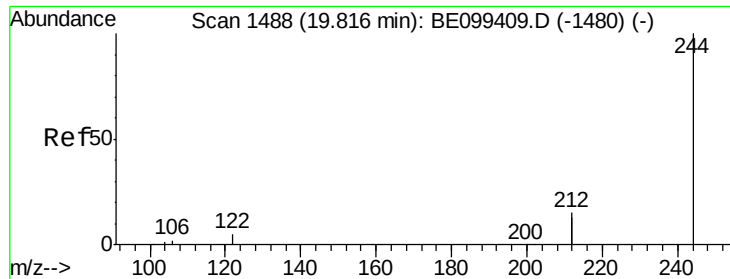
Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	20.8	13.9	20.9





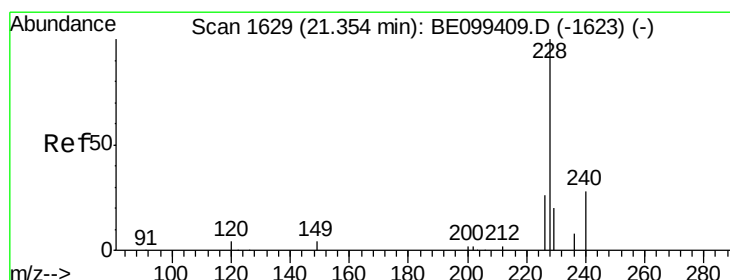
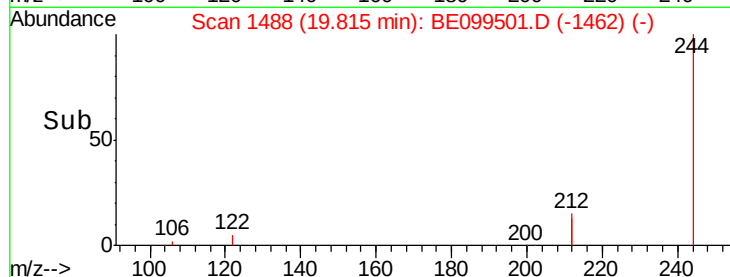
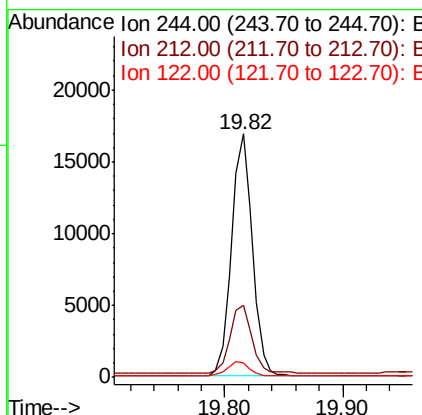
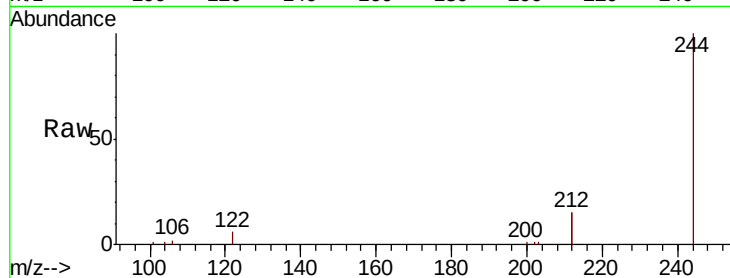
#29
 Terphenyl-d14
 Concen: 0.424 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: BE099501.D
 Acq: 2 May 2019 19:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B195-042519

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.7	23.2	34.8
122	5.7	4.2	6.4

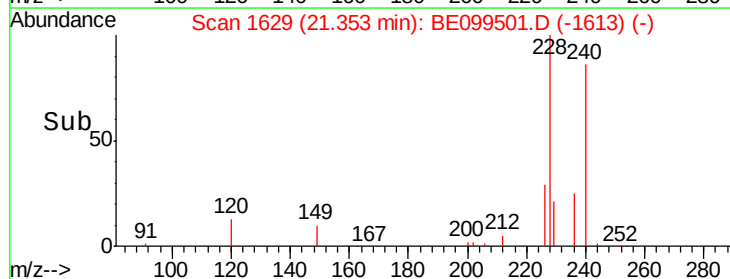
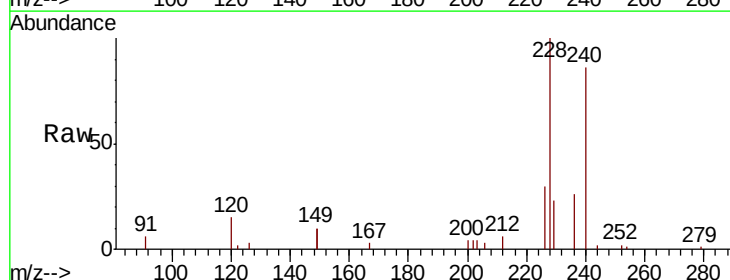
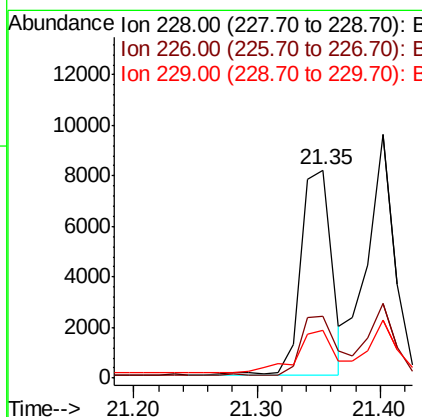
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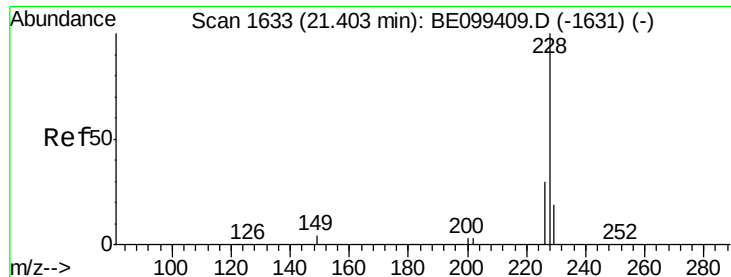
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#30
 Benzo(a)anthracene
 Concen: 0.165 ng
 RT: 21.35 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE099501.D
 Acq: 2 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.0	31.6
229	23.2	16.6	25.0





#31

Chrysene

Concen: 0.155 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Instrument :

BNA_E

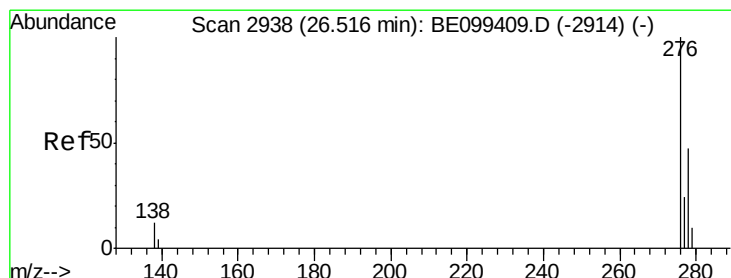
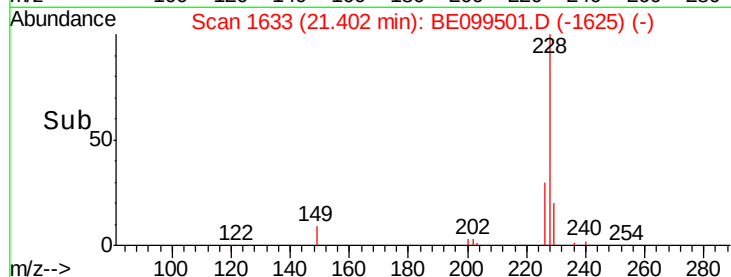
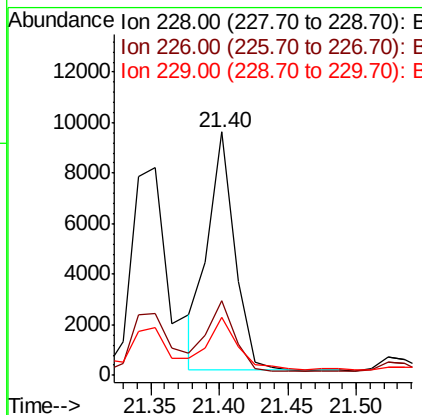
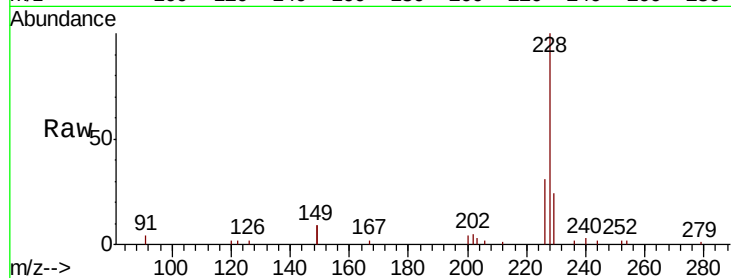
ClientSampleId :

PST-001-B195-042519

Tgt Ion:	228	Resp:	12866
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.0	36.0
229	23.7	15.8	23.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.090 ng

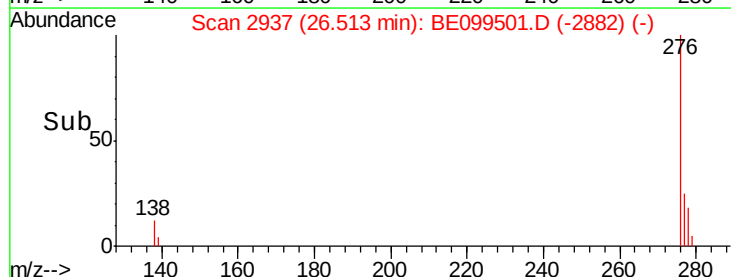
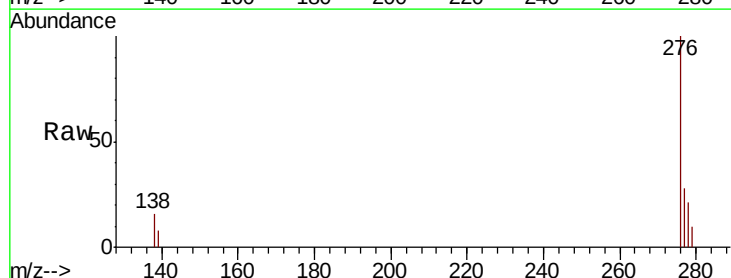
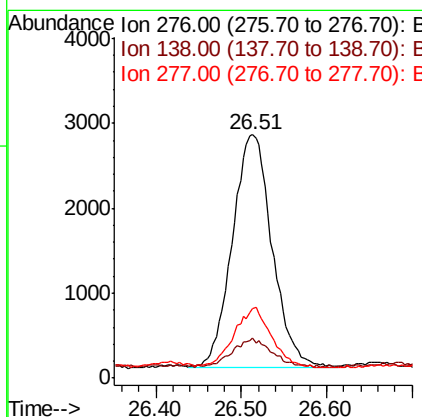
RT: 26.51 min Scan# 2937

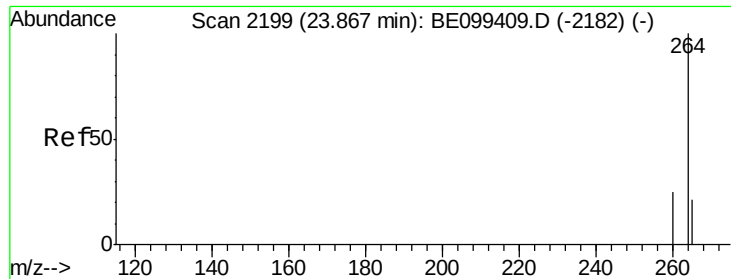
Delta R.T. -0.00 min

Lab File: BE099501.D

Acq: 2 May 2019 19:56

Tgt Ion:	276	Resp:	8845
Ion Ratio	Lower	Upper	
276	100		
138	12.2	10.2	15.2
277	23.4	19.2	28.8





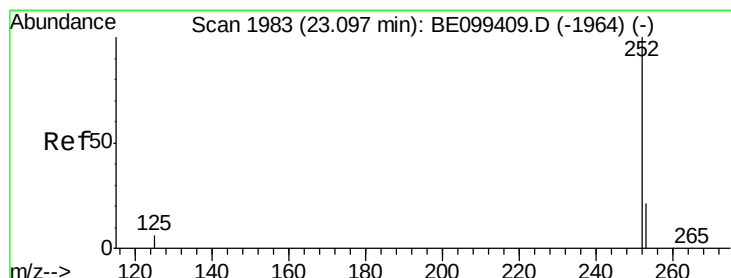
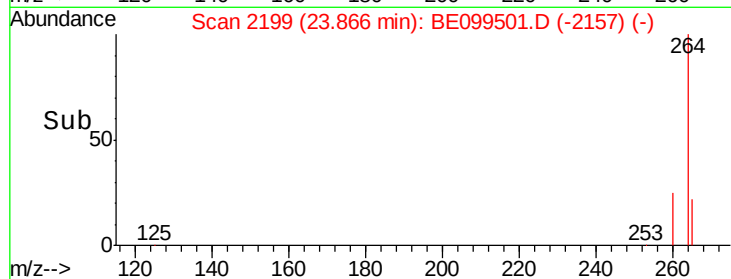
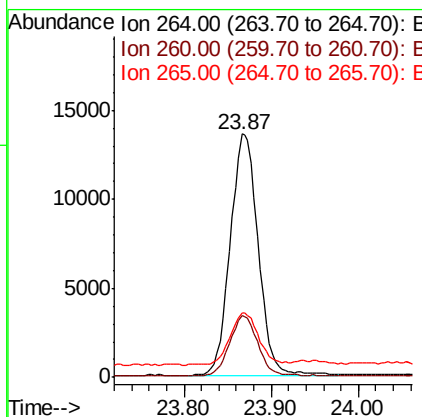
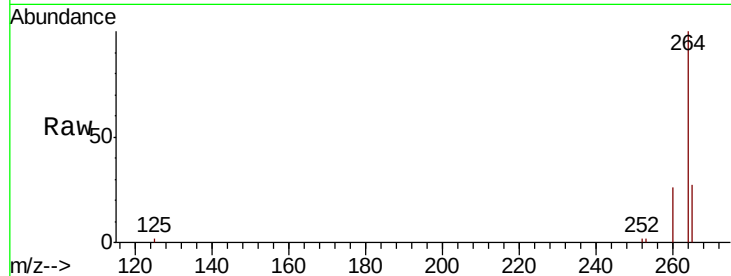
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BE099501.D
 Acq: 2 May 2019 19:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B195-042519

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	30214		
260	25.5	20.2	30.2	
265	26.5	21.3	31.9	

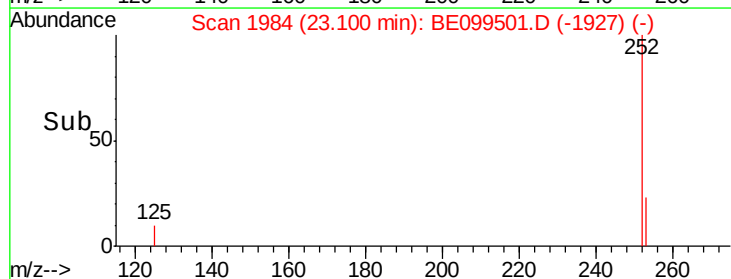
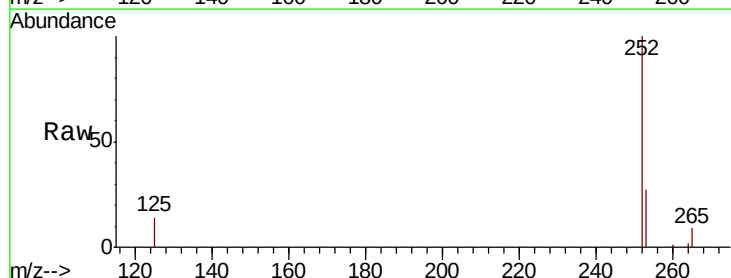
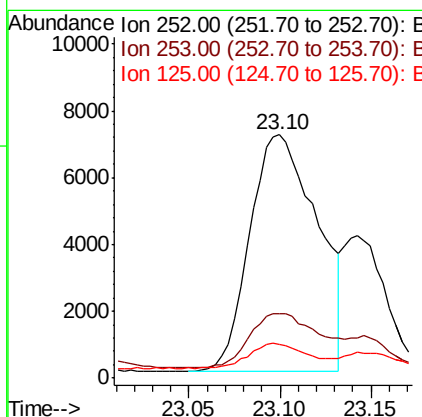
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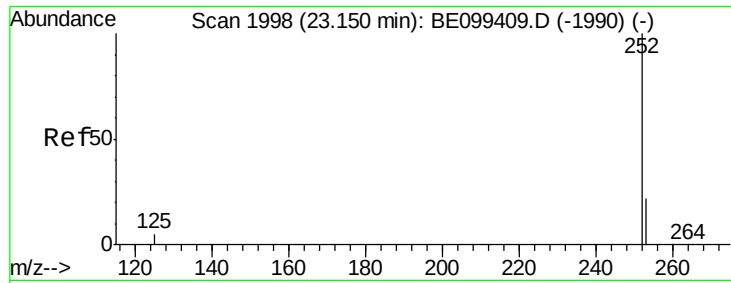
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#35
Benzo(b)fluoranthene
 Concen: 0.211 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: BE099501.D
 Acq: 2 May 2019 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	18392		
253	26.6	18.1	27.1	
125	13.8	5.6	8.4	





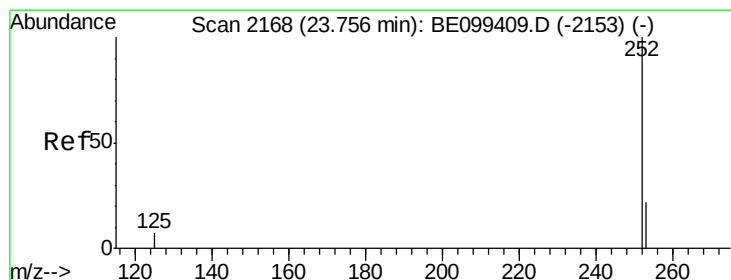
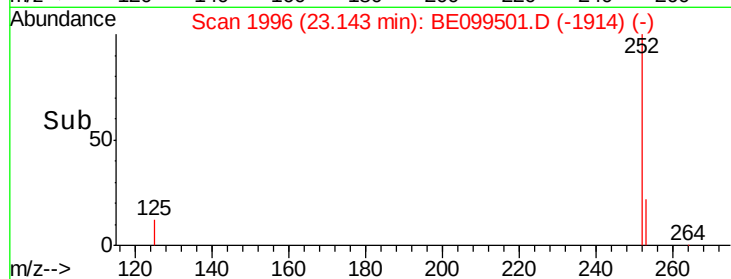
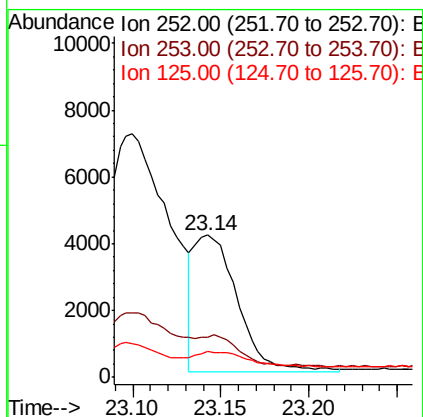
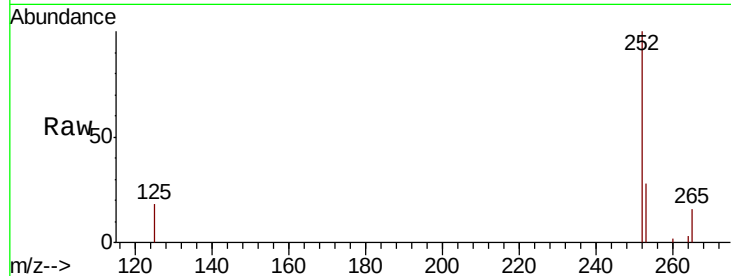
#36
Benzo(k)fluoranthene
Concen: 0.082 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099501.D
Acq: 2 May 2019 19:56

Instrument :
BNA_E
ClientSampleId :
PST-001-B195-042519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.4	27.6#
125	18.0	5.0	7.4#

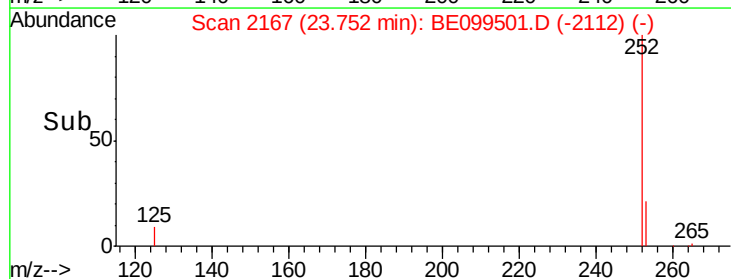
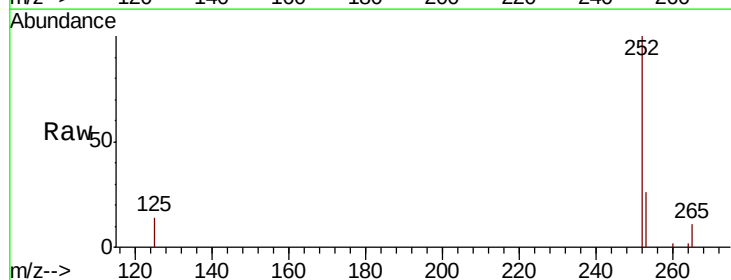
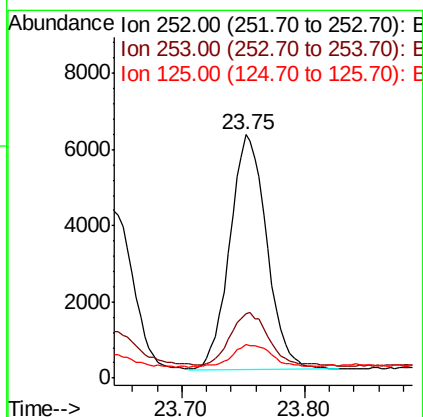
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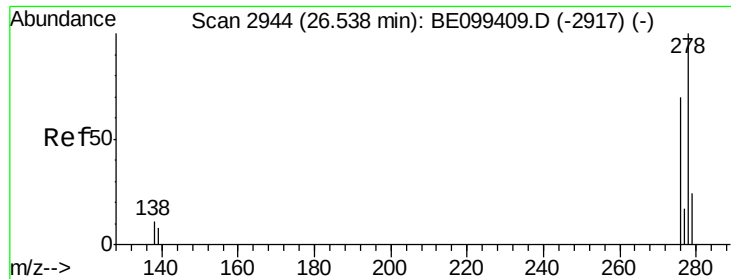
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#37
Benzo(a)pyrene
Concen: 0.156 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099501.D
Acq: 2 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.9	28.3
125	14.0	6.7	10.1#





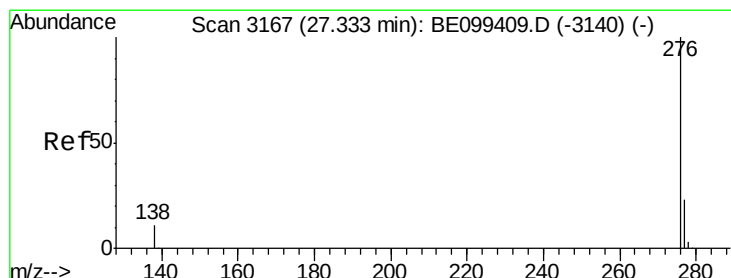
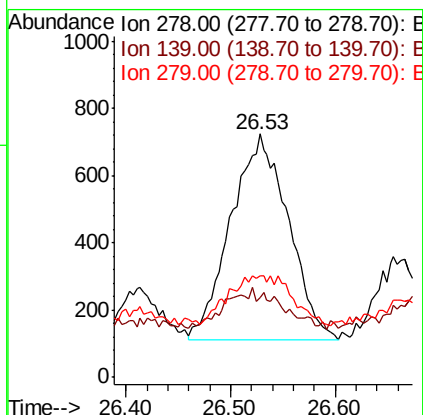
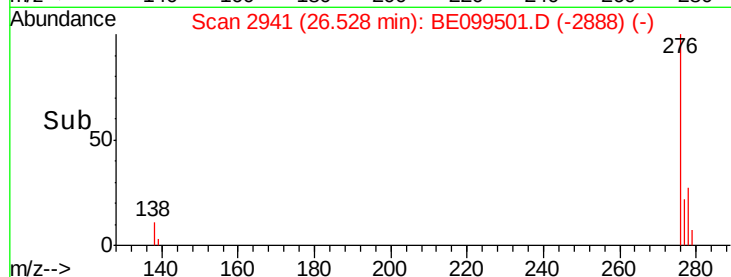
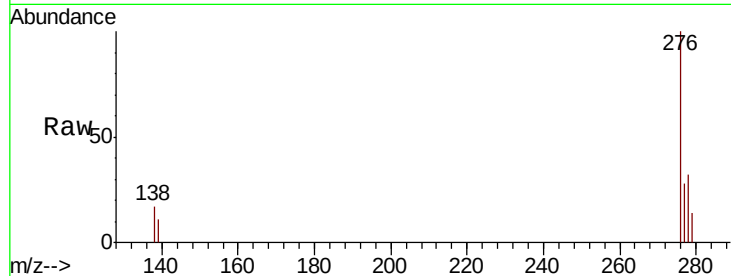
#38
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 26.53 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BE099501.D
Acq: 2 May 2019 19:56

Instrument :
BNA_E
ClientSampleId :
PST-001-B195-042519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.8	7.7	11.5#
279	41.9	20.2	30.2#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.097 ng
RT: 27.33 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BE099501.D
Acq: 2 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.5	29.3
138	16.2	9.6	14.4#

