

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099525.D
 Acq On : 3 May 2019 10:54
 Operator : JU/SJ
 Sample : K2589-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B019-042419

Manual Integrations
 APPROVED

Sohil
 5/4/2019 12:44:42 AM

Quant Time: May 03 17:11:21 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	7.81	152	2269	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8374	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6378	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20375	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24748	0.40	ng	0.00
34) Perylene-d12	23.87	264	28678	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1668	0.27	ng	0.00
5) Phenol-d6	6.97	99	2464	0.30	ng	0.00
8) Nitrobenzene-d5	8.96	82	2005	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3916	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1238	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5789	0.24	ng	0.00
25) Fluoranthene-d10	19.22	212	63891	0.23	ng	0.00
29) Terphenyl-d14	19.82	244	12608	0.28	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	719	0.023	ng	95
23) Phenanthrene	17.23	178	4456	0.085	ng	98
26) Fluoranthene	19.25	202	12613	0.160	ng	# 96
28) Pyrene	19.62	202	13003	0.202	ng	# 95
30) Benzo(a)anthracene	21.35	228	6834	0.087	ng	# 83
31) Chrysene	21.40	228	9169	0.119	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.27	149	46878	0.350	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	5377	0.059	ng	# 96
35) Benzo(b)fluoranthene	23.10	252	10982	0.133	ng	# 71
36) Benzo(k)fluoranthene	23.15	252	3147m	0.039	ng	
37) Benzo(a)pyrene	23.76	252	7077	0.091	ng	# 68
38) Dibenzo(a,h)anthracene	26.53	278	1738	0.022	ng	# 30
39) Benzo(g,h,i)perylene	27.34	276	5725	0.071	ng	# 87

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

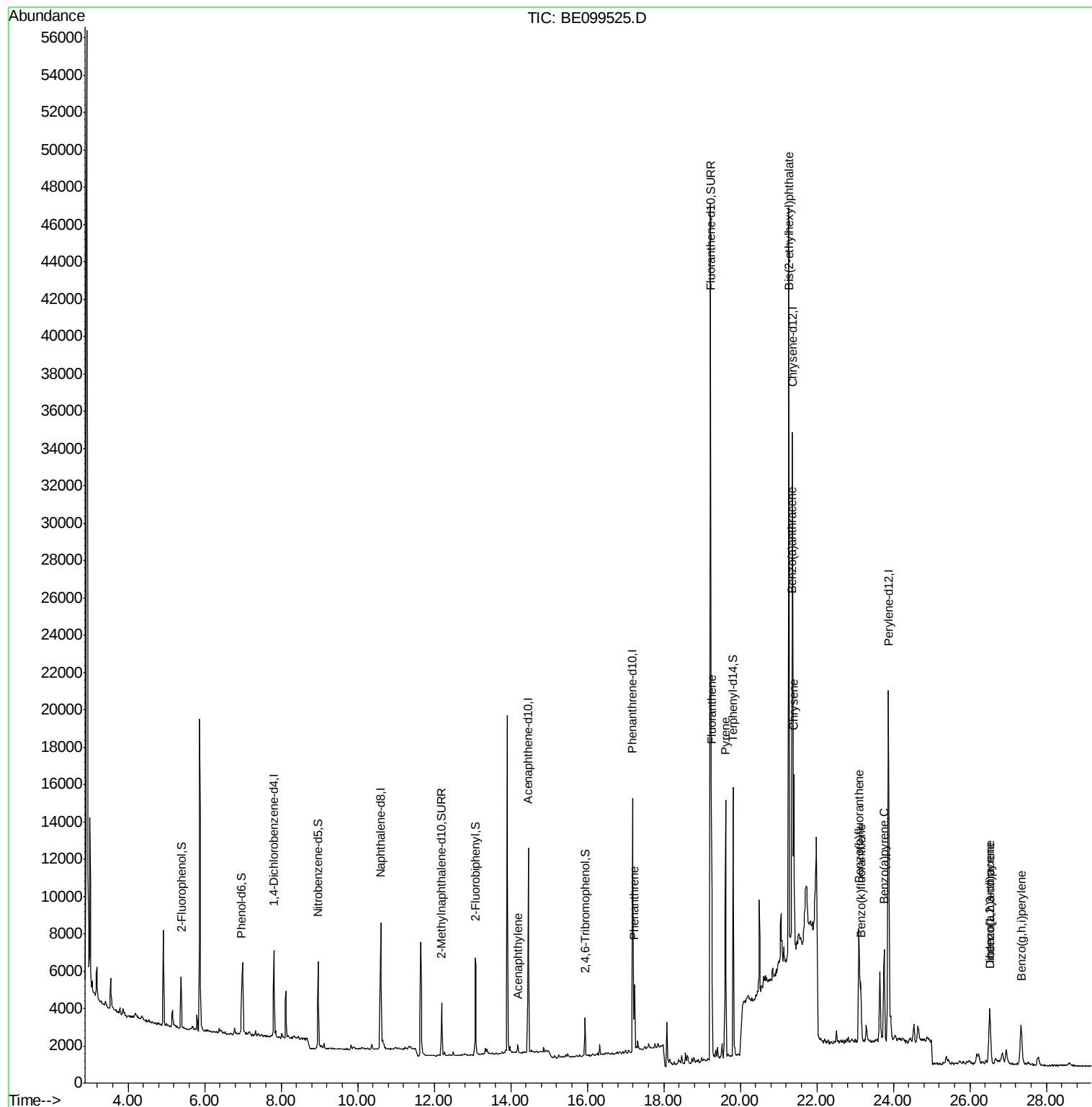
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099525.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

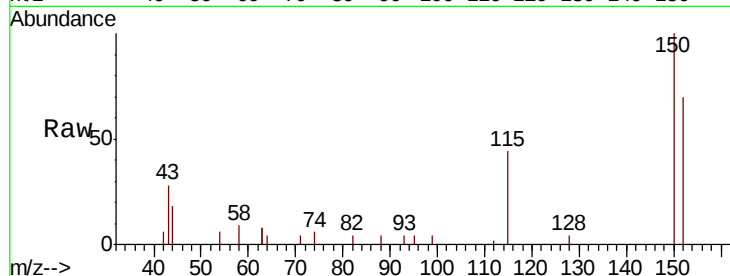
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B019-042419

Tgt Ion	Ratio	Lower	Upper
152	100		
150	143.2	104.8	157.2
115	63.7	46.6	69.8

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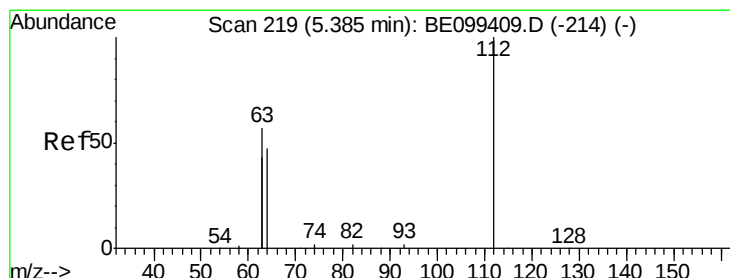
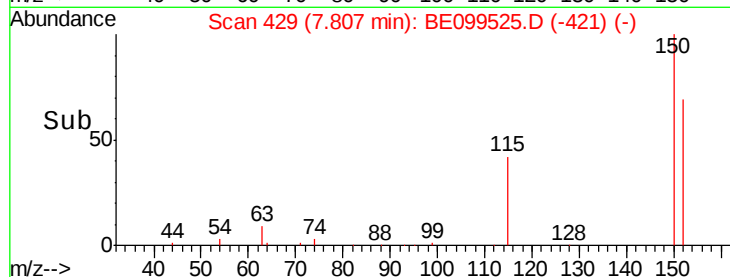
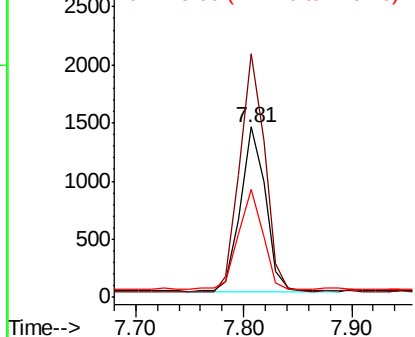


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

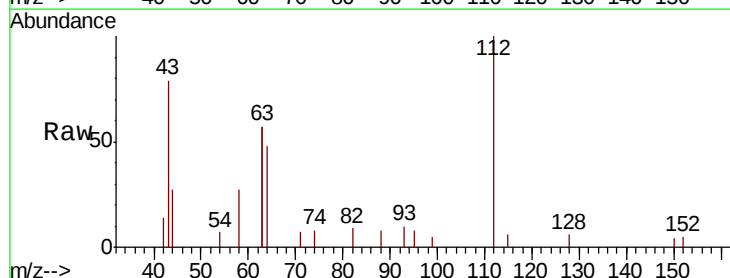
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.266 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.4	71.0
63	130.0	104.3	156.5

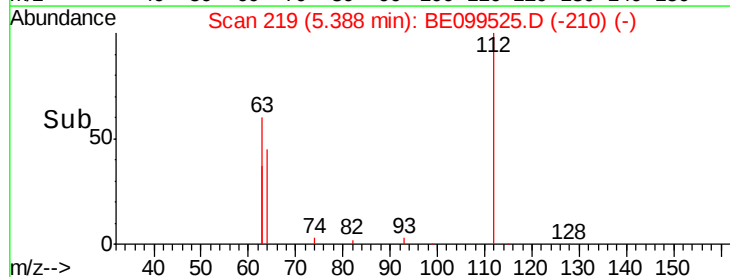
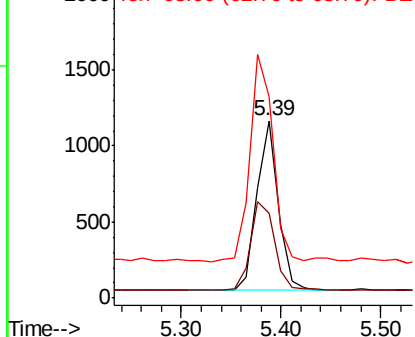


Abundance

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: 0.295 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Instrument :

BNA_E

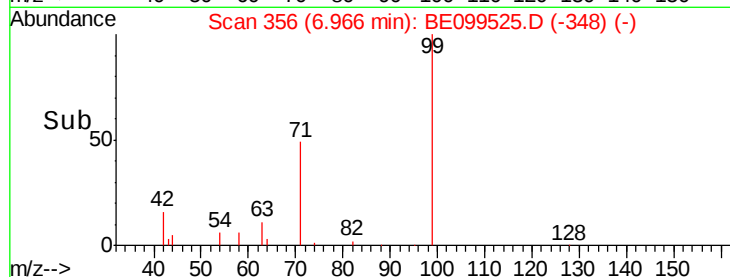
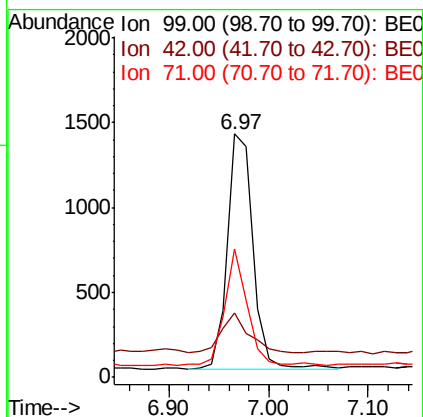
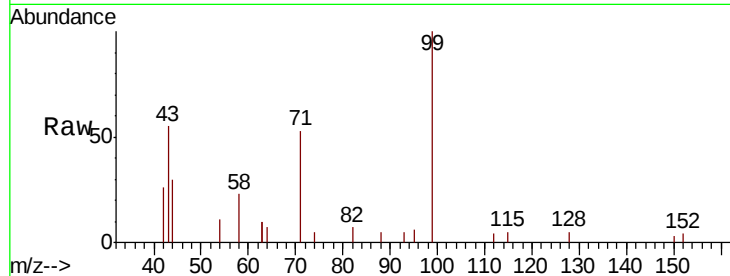
ClientSampleId :

PST-001-B019-042419

Tgt Ion:	99	Resp:	2464
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.9	22.3
71	42.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

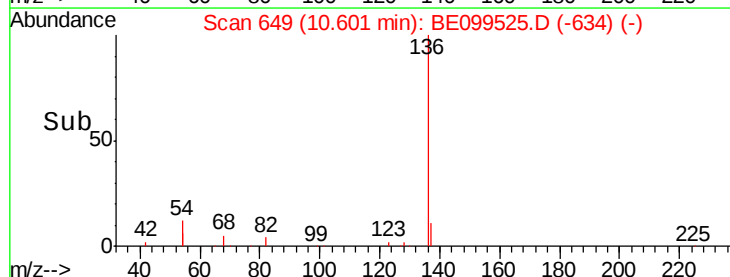
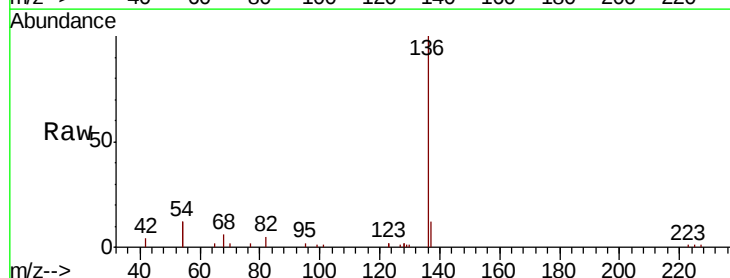
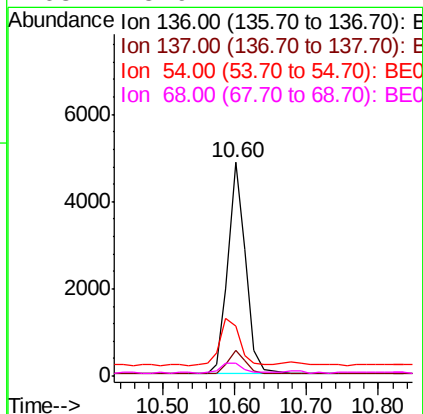
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Tgt Ion:	136	Resp:	8374
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	23.3	18.5	27.7
68	5.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.255 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Instrument :

BNA_E

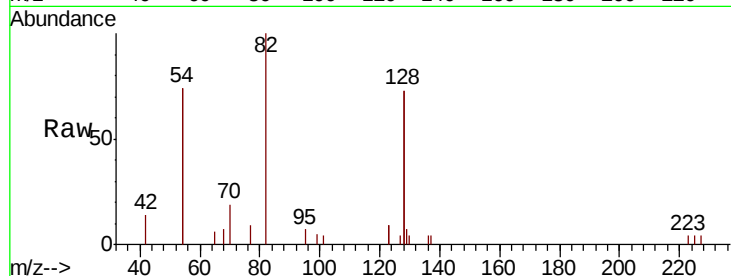
ClientSampleId :

PST-001-B019-042419

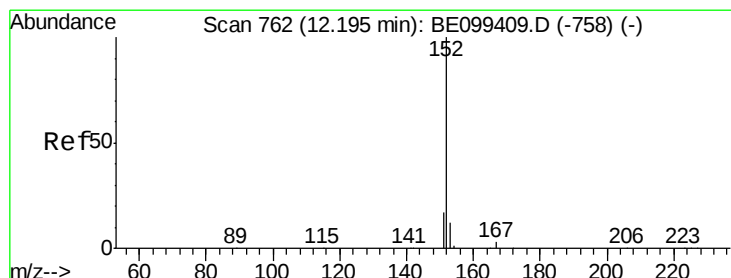
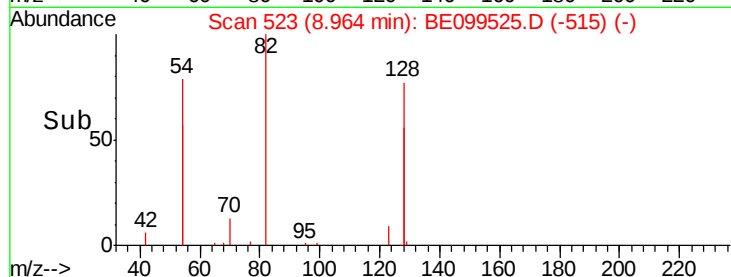
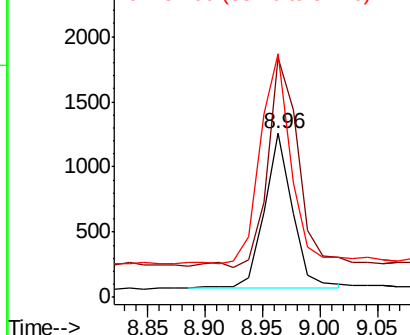
Tgt Ion:	82	Resp:	2005
Ion Ratio	Lower	Upper	
82	100		
128	145.9	107.0	160.4
54	148.5	113.1	169.7

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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: 0.260 ng

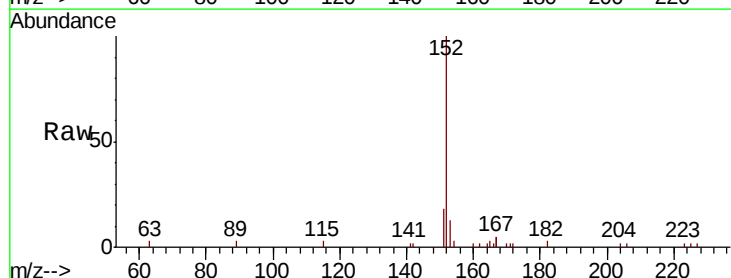
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

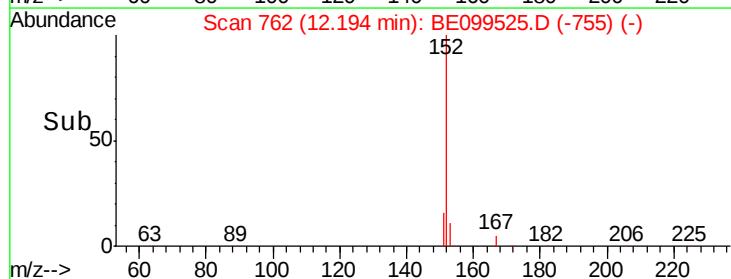
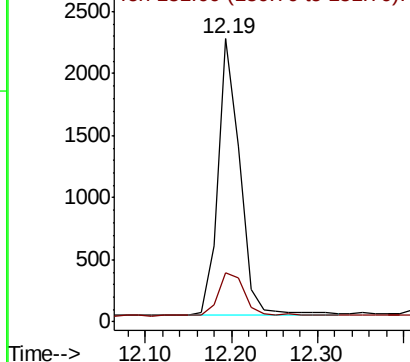
Lab File: BE099525.D

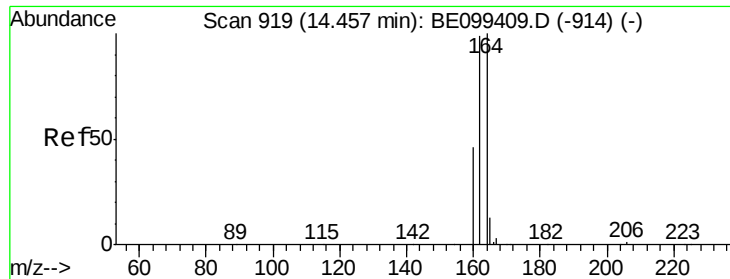
Acq: 3 May 2019 10:54

Tgt Ion:	152	Resp:	3916
Ion Ratio	Lower	Upper	
152	100		
151	18.2	15.5	23.3



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





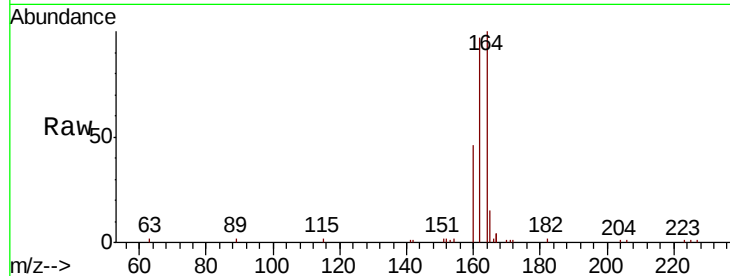
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B019-042419

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	79.0	118.4
160	45.5	37.0	55.4

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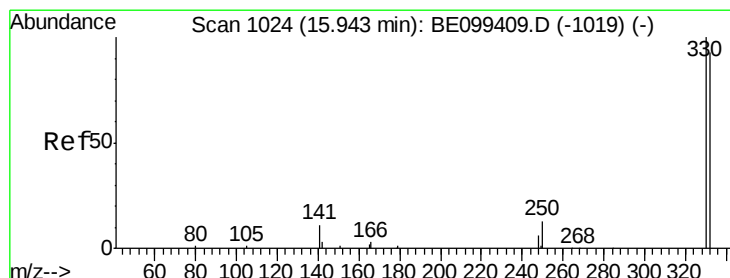
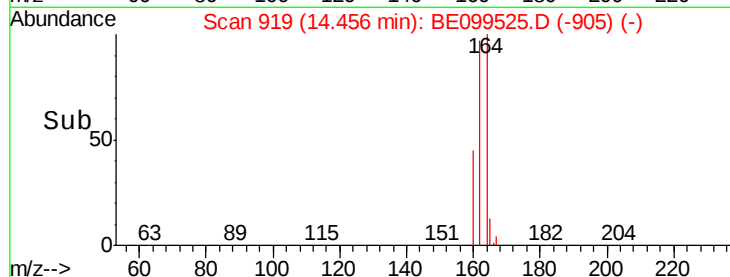
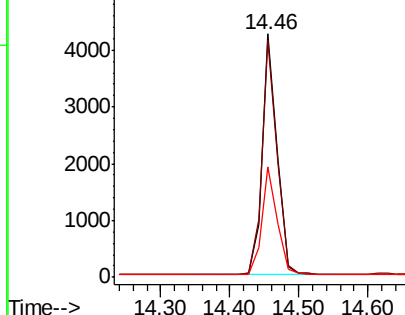


Abundance

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: 0.308 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

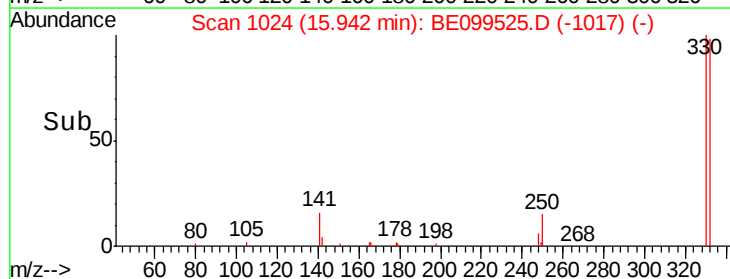
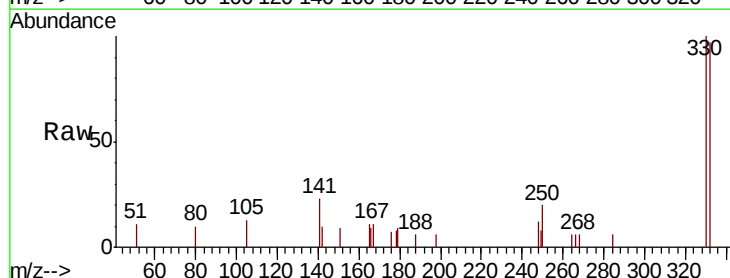
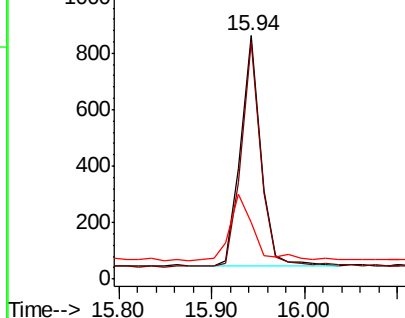
Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.8	71.5	107.3
141	33.0	24.0	36.0

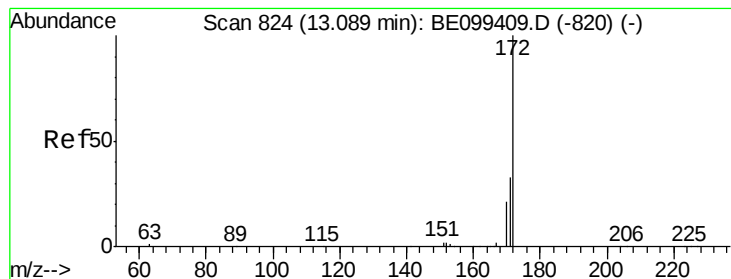
Abundance

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





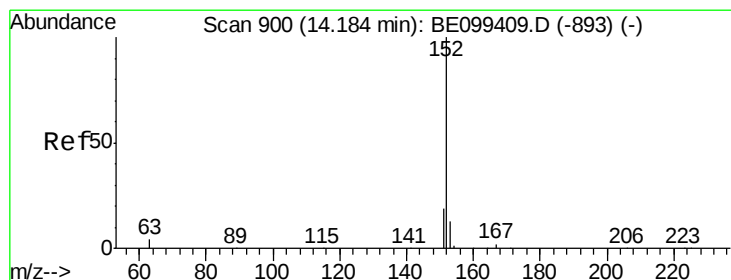
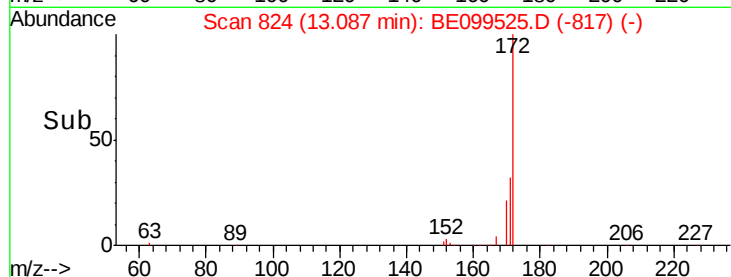
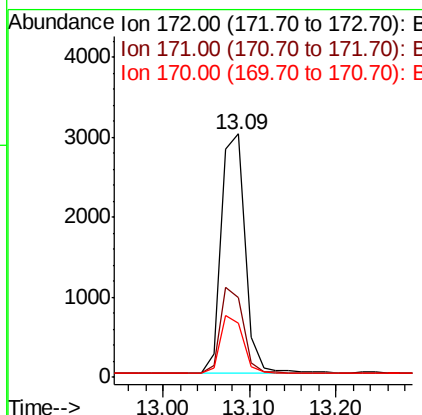
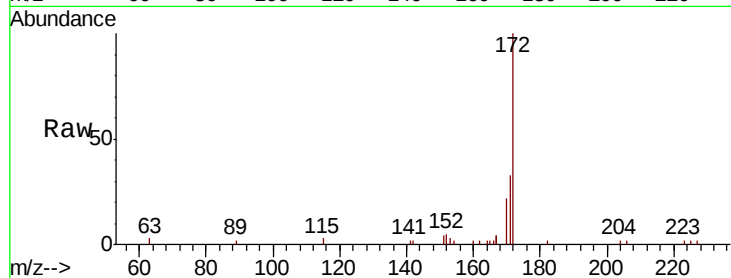
#15
2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B019-042419

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	26.6	39.8
170	22.3	17.0	25.6

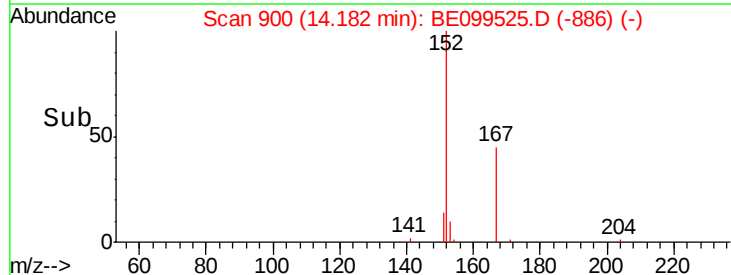
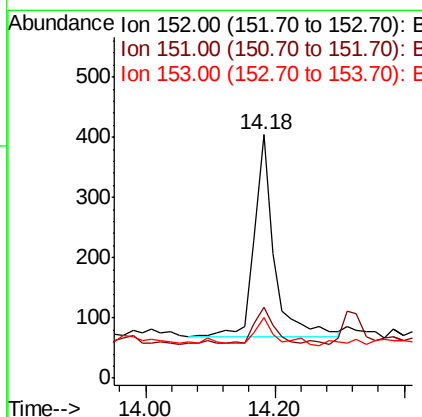
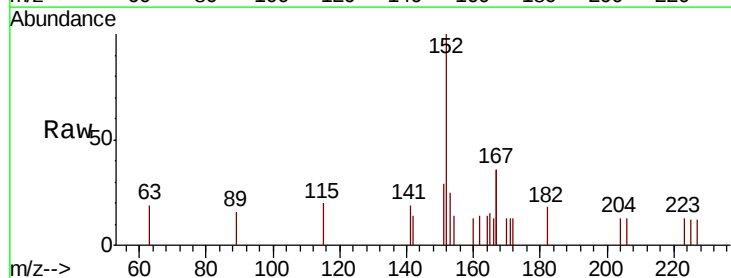
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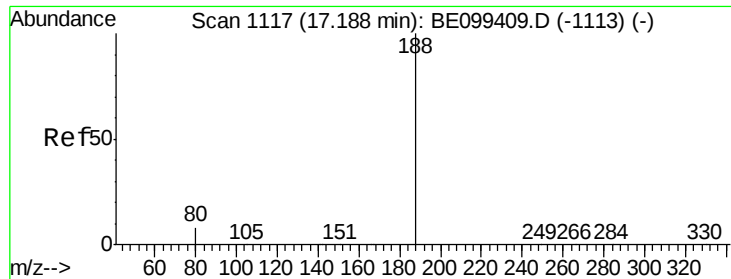
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#16
Acenaphthylene
Concen: 0.023 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.6	15.4	23.2
153	13.8	9.8	14.6





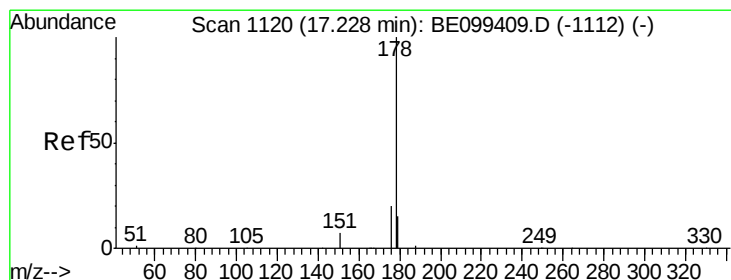
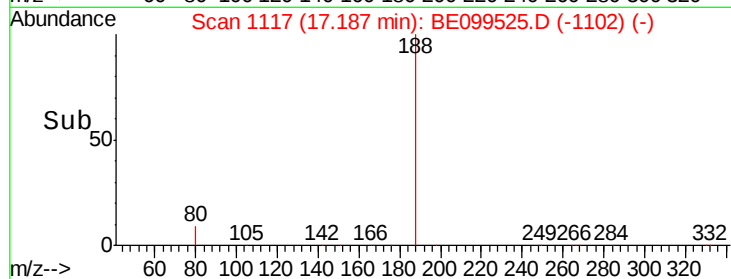
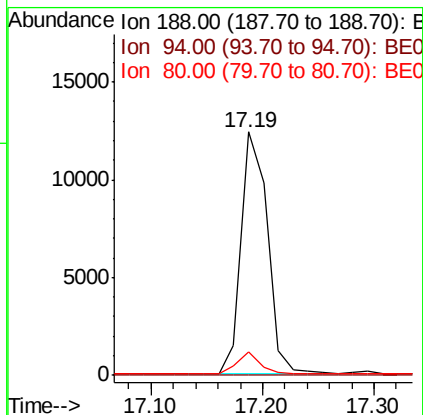
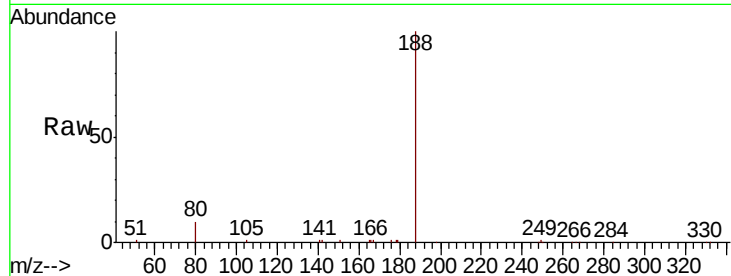
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	20375		
94	0.0	0.0	0.0	0.0
80	9.6	6.7	10.1	

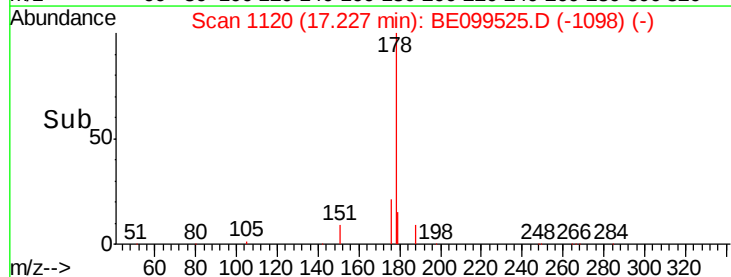
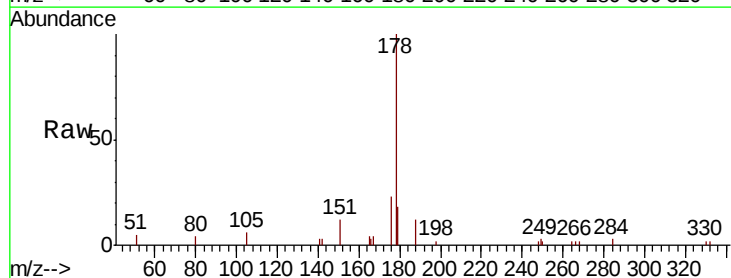
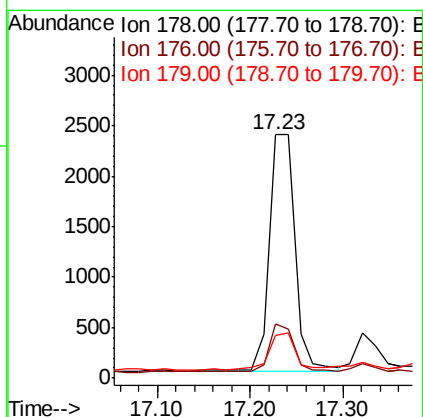
Manual Integrations
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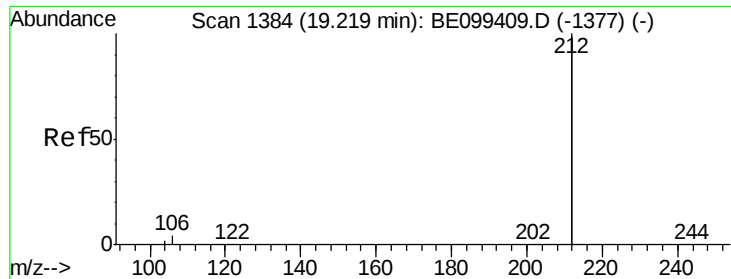
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#23
Phenanthrene
Concen: 0.085 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4456		
176	19.5	15.6	23.4	
179	16.9	12.0	18.0	





#25

Fluoranthene-d10

Concen: 0.233 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Instrument :

BNA_E

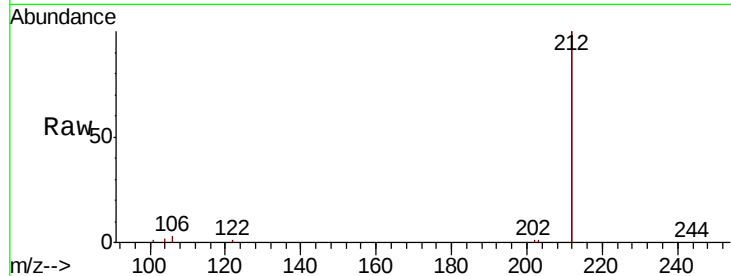
ClientSampleId :

PST-001-B019-042419

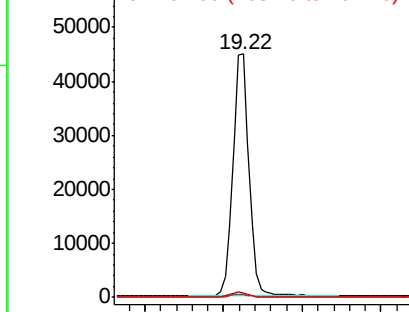
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	63891		
106	1.8		1.5	2.3
104	1.2		0.9	1.3

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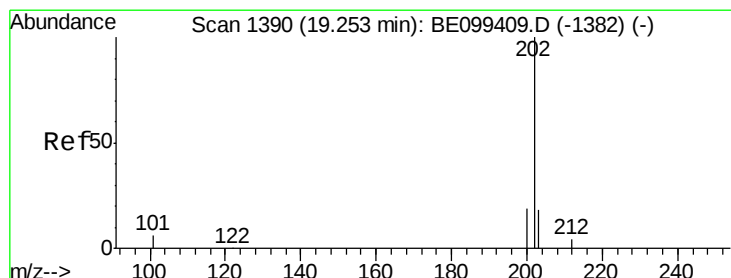
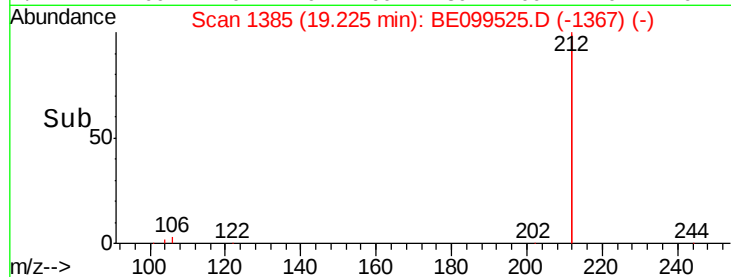
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.160 ng

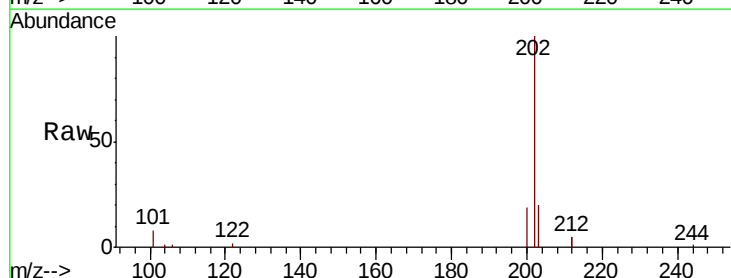
RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

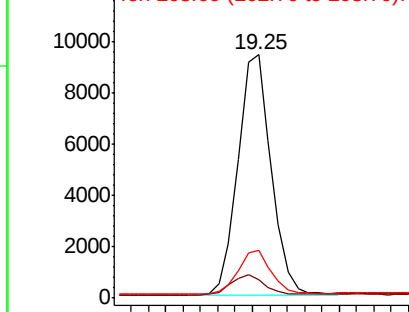
Lab File: BE099525.D

Acq: 3 May 2019 10:54

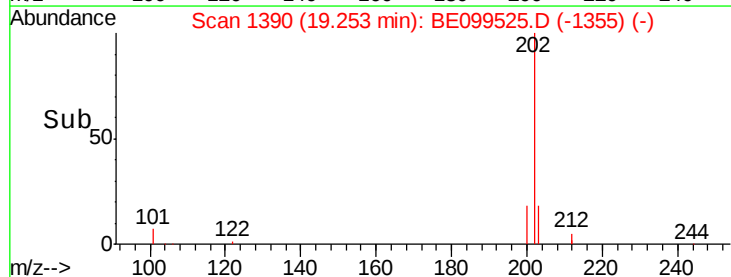
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	12613		
101	9.8		5.4	8.0#
203	18.2		13.9	20.9

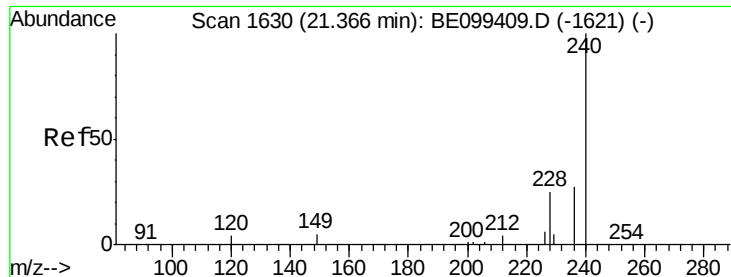


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





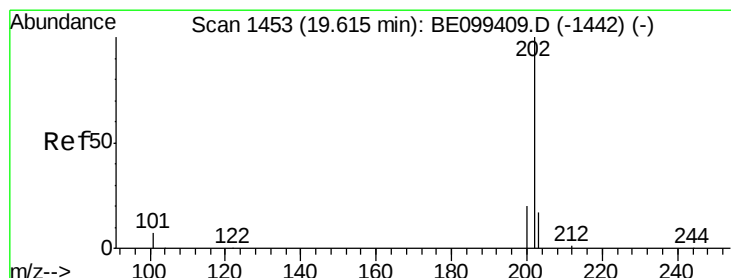
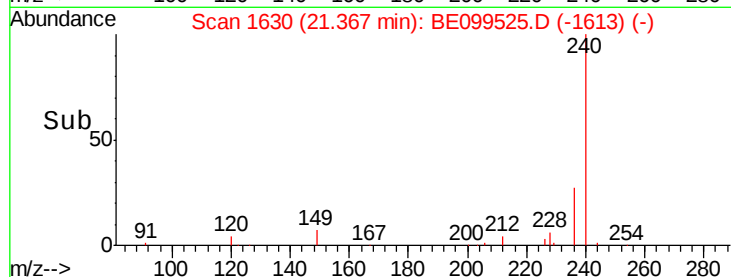
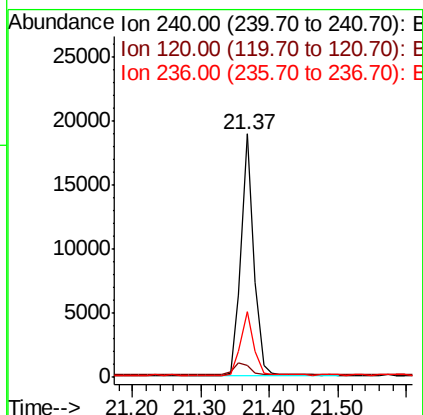
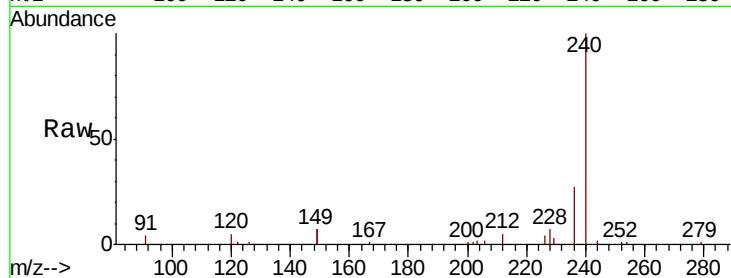
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B019-042419

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.7	4.0	6.0
236	27.2	22.0	33.0

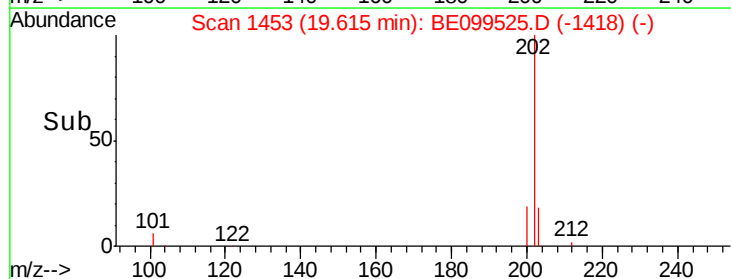
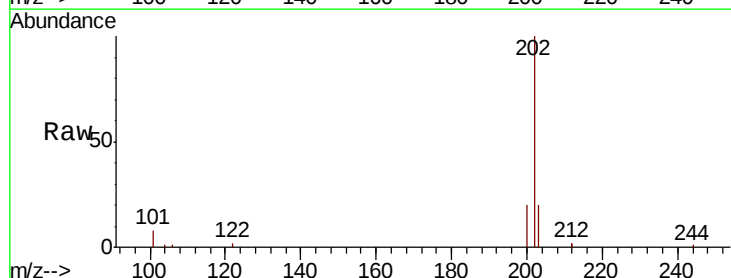
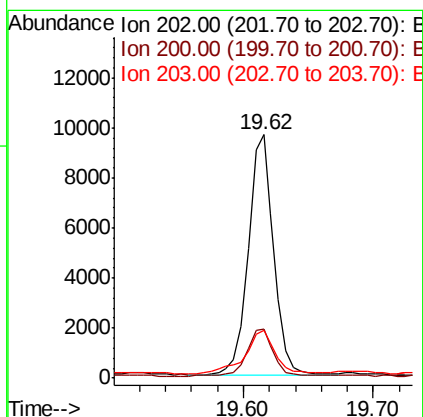
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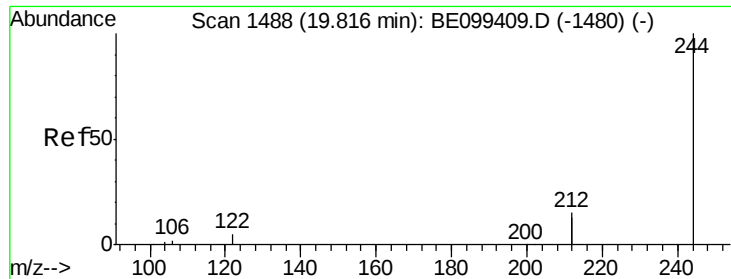
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#28
Pyrene
Concen: 0.202 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	21.6	13.9	20.9





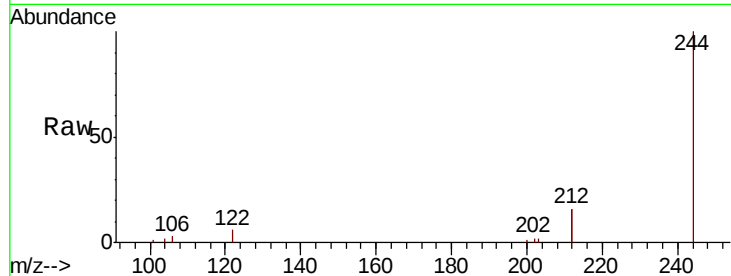
#29
 Terphenyl-d14
 Concen: 0.278 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: BE099525.D
 Acq: 3 May 2019 10:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B019-042419

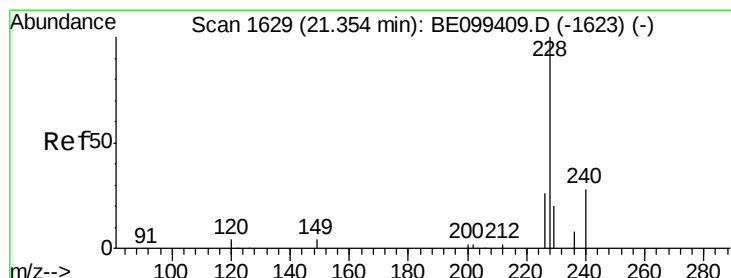
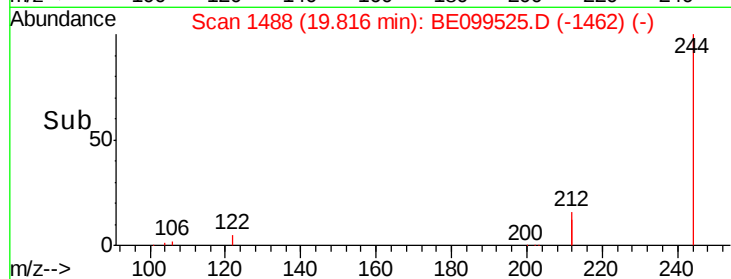
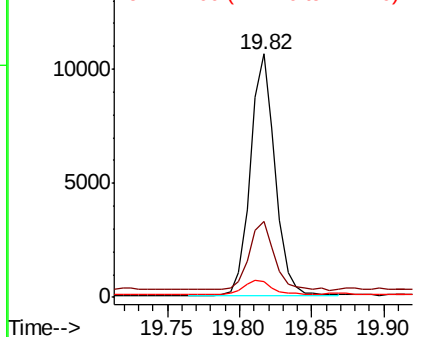
Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.3	23.2	34.8
122	6.3	4.2	6.4

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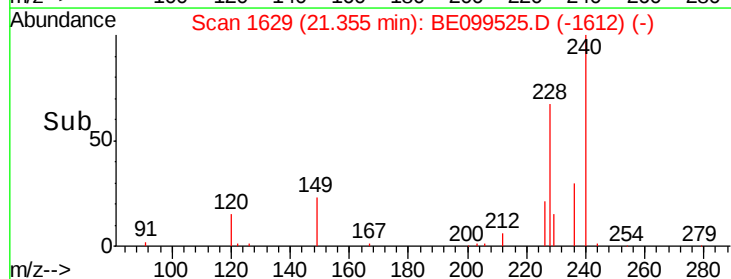
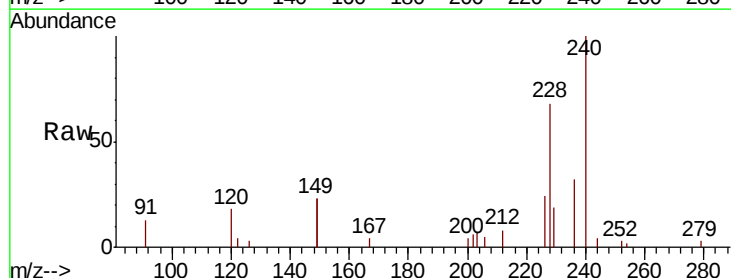
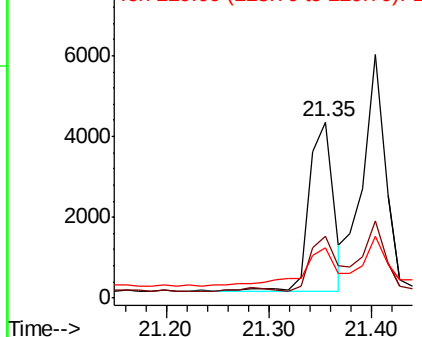
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

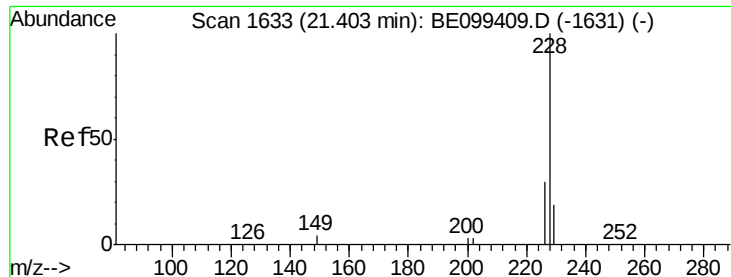


#30
 Benzo(a)anthracene
 Concen: 0.087 ng
 RT: 21.35 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: BE099525.D
 Acq: 3 May 2019 10:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.2	21.0	31.6#
229	28.5	16.6	25.0#

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: 0.119 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Instrument :

BNA_E

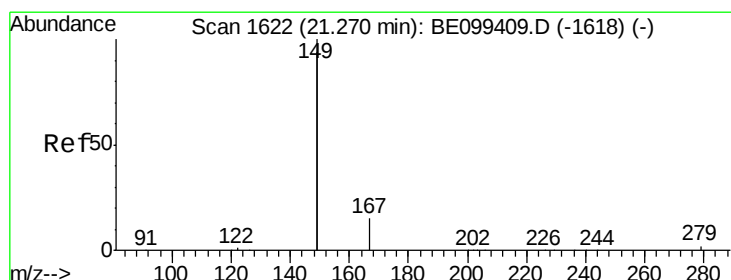
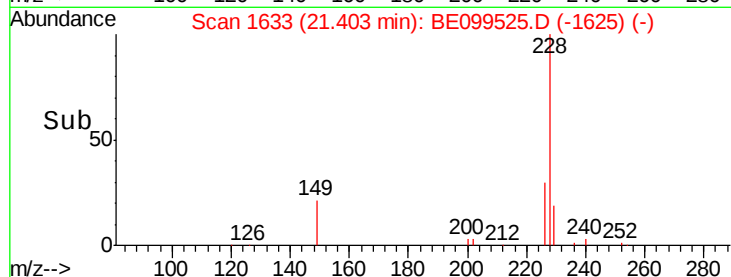
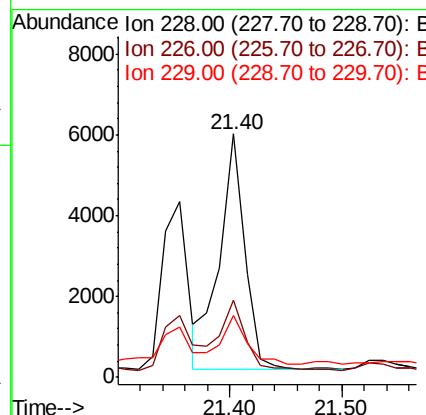
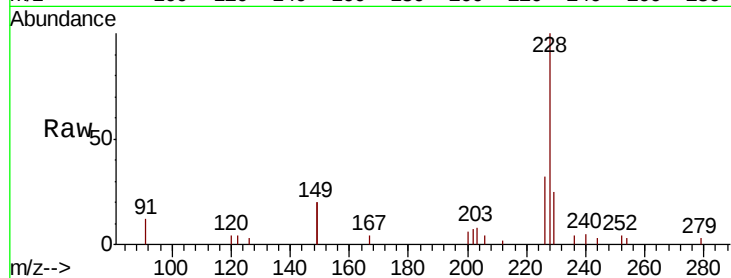
ClientSampleId :

PST-001-B019-042419

Tgt Ion:	228	Resp:	9169
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.0	36.0
229	25.3	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.350 ng

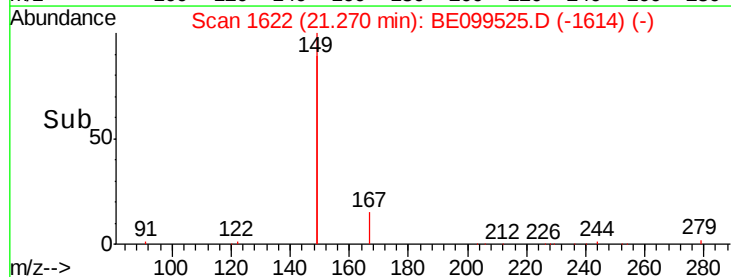
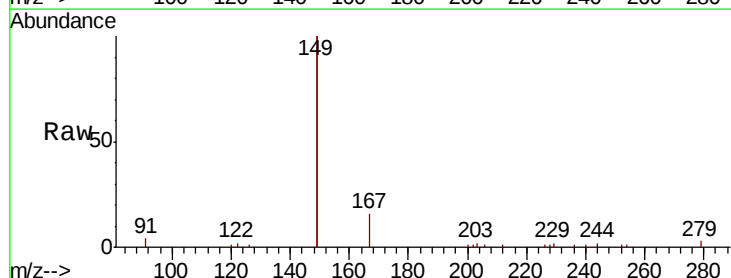
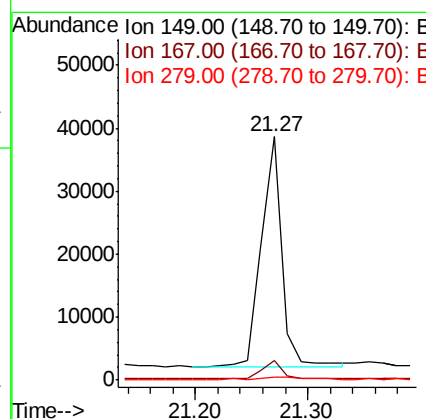
RT: 21.27 min Scan# 1622

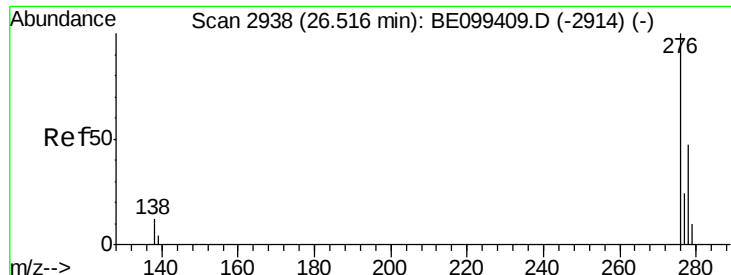
Delta R.T. 0.00 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Tgt Ion:	149	Resp:	46878
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.6
279	1.4	1.0	1.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.059 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Instrument :

BNA_E

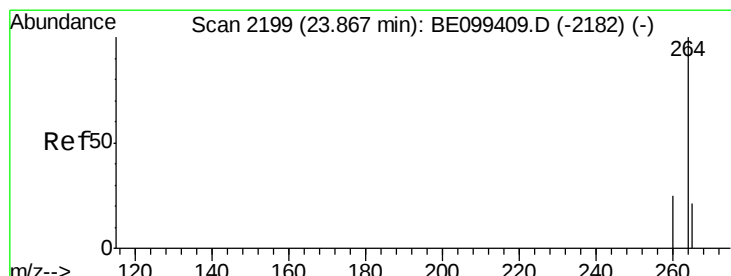
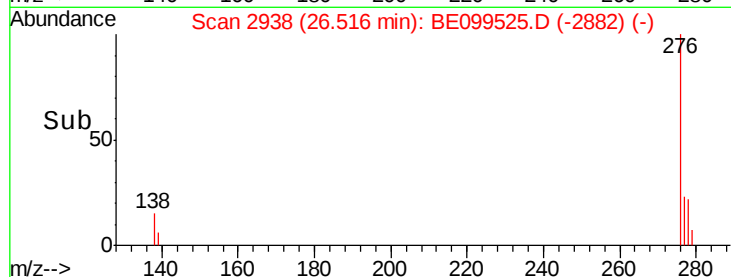
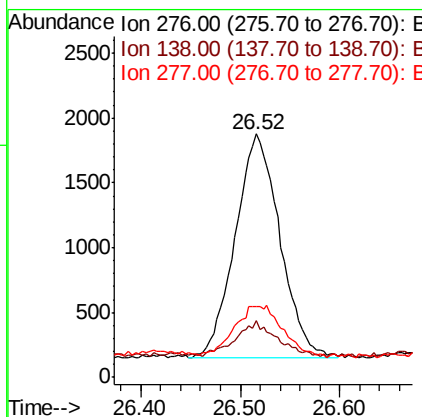
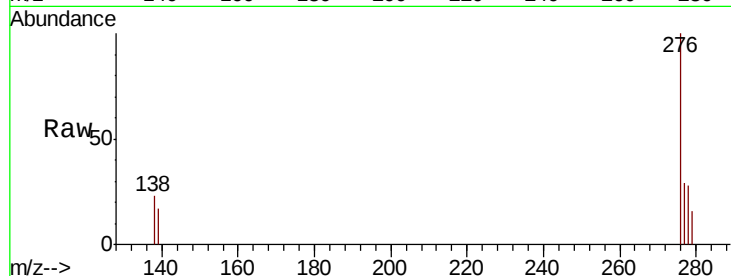
ClientSampleId :

PST-001-B019-042419

Tgt Ion:	276	Resp:	5377
Ion Ratio	Lower	Upper	
276	100		
138	15.4	10.2	15.2#
277	25.3	19.2	28.8

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#34

Perylene-d12

Concen: 0.400 ng

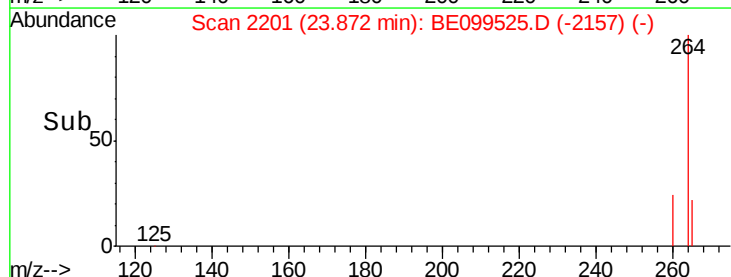
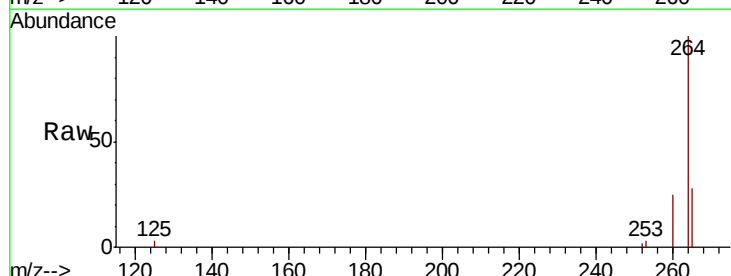
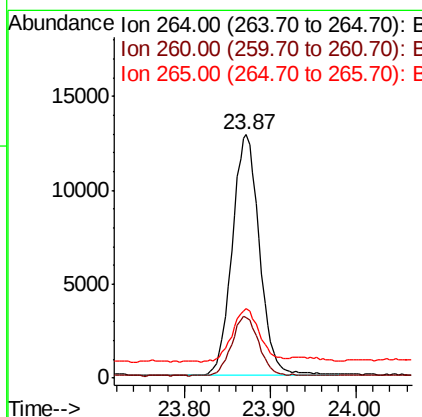
RT: 23.87 min Scan# 2201

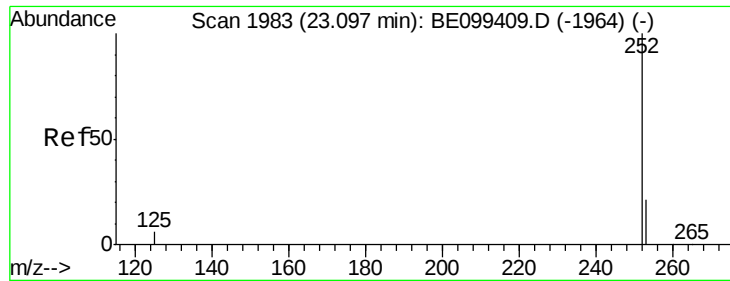
Delta R.T. 0.01 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Tgt Ion:	264	Resp:	28678
Ion Ratio	Lower	Upper	
264	100		
260	25.1	20.2	30.2
265	28.4	21.3	31.9





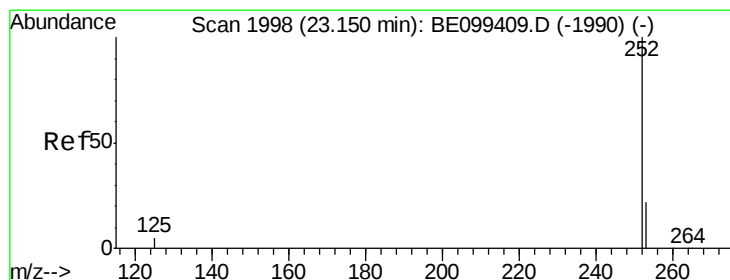
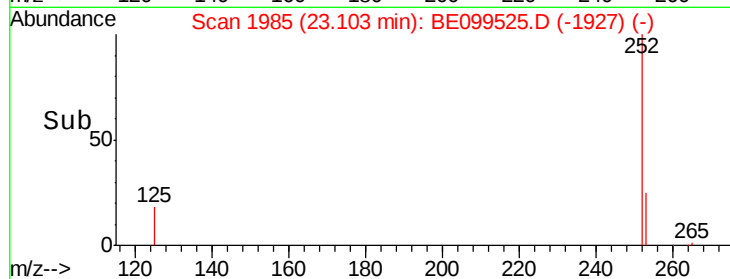
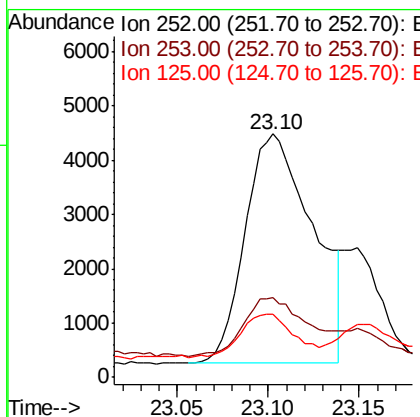
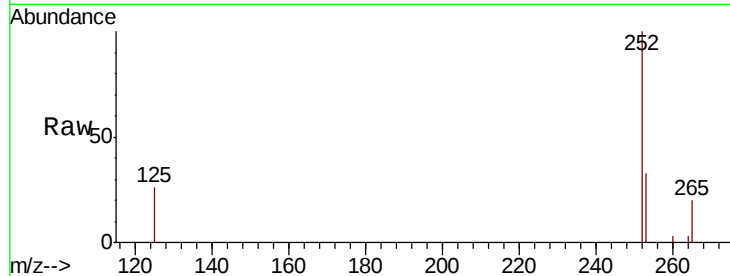
#35
Benzo(b)fluoranthene
Concen: 0.133 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.1	27.1#
125	25.8	5.6	8.4#

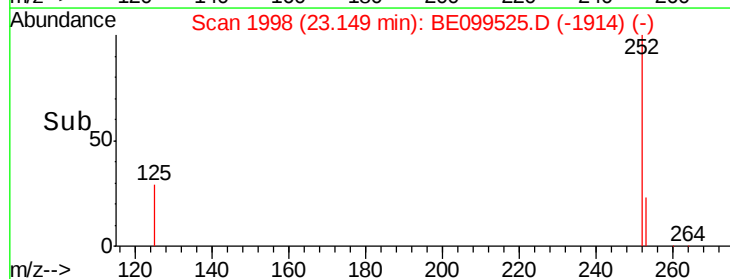
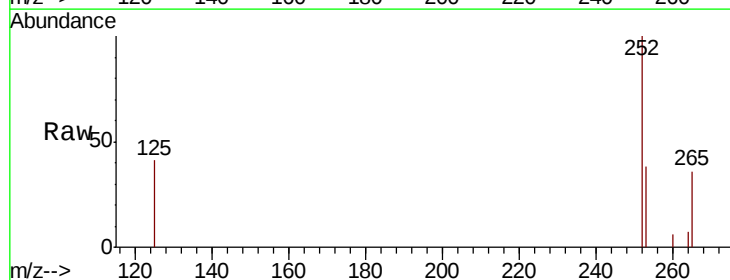
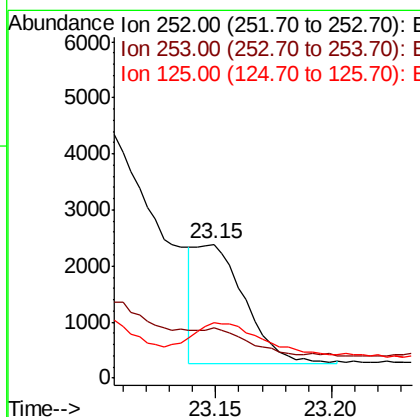
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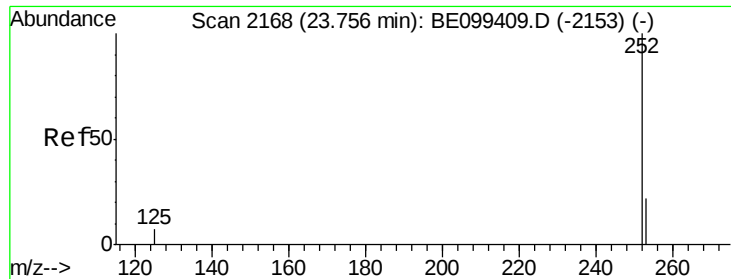
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#36
Benzo(k)fluoranthene
Concen: 0.039 ng m
RT: 23.15 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BE099525.D
Acq: 3 May 2019 10:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.6	18.4	27.6#
125	41.3	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 0.091 ng

RT: 23.76 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE099525.D

Acq: 3 May 2019 10:54

Instrument :

BNA_E

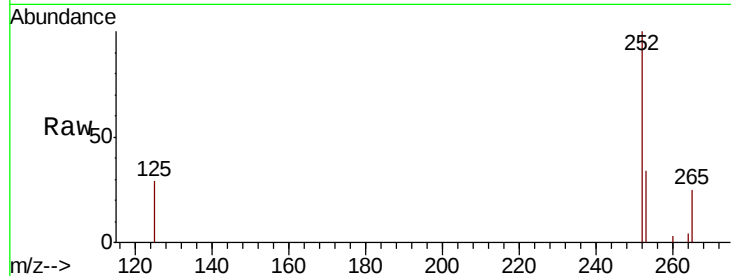
ClientSampleId :

PST-001-B019-042419

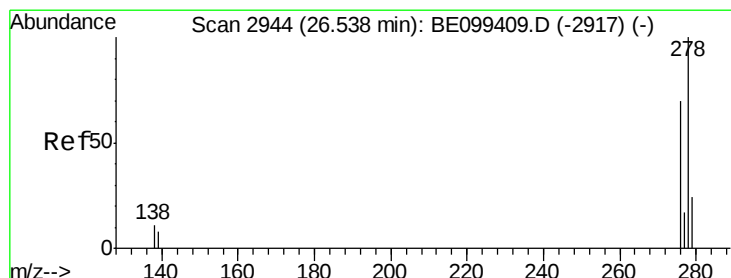
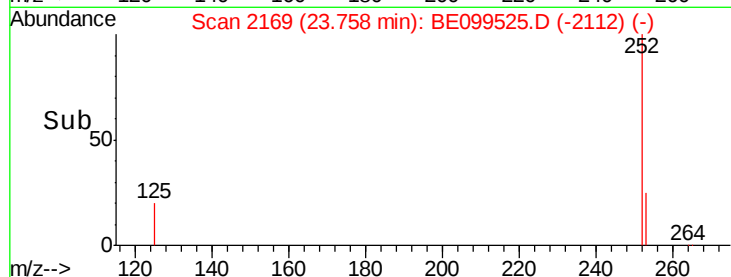
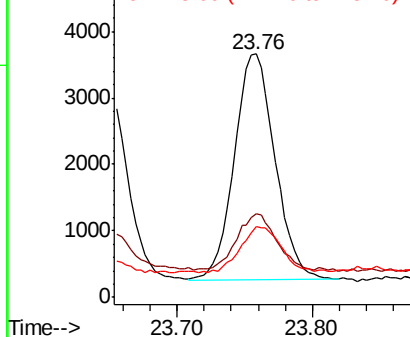
Tgt Ion:	252	Resp:	7077
Ion Ratio	Lower	Upper	
252	100		
253	34.5	18.9	28.3#
125	29.0	6.7	10.1#

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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



#38

Dibenzo(a,h)anthracene

Concen: 0.022 ng

RT: 26.53 min Scan# 2943

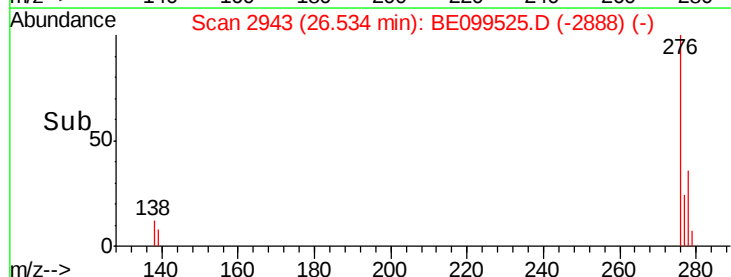
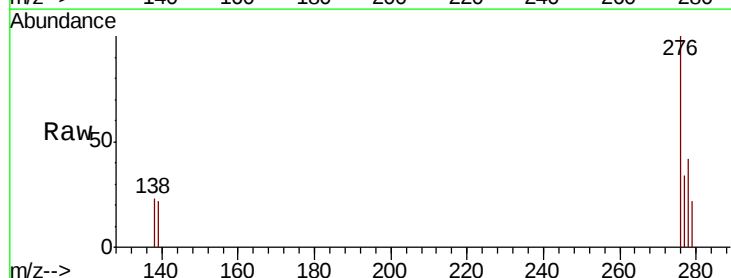
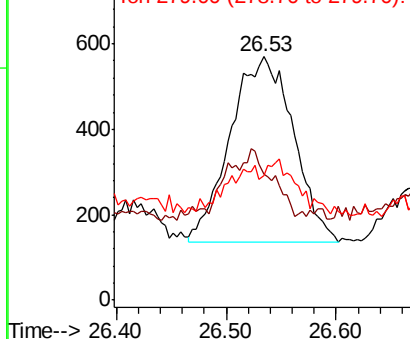
Delta R.T. -0.00 min

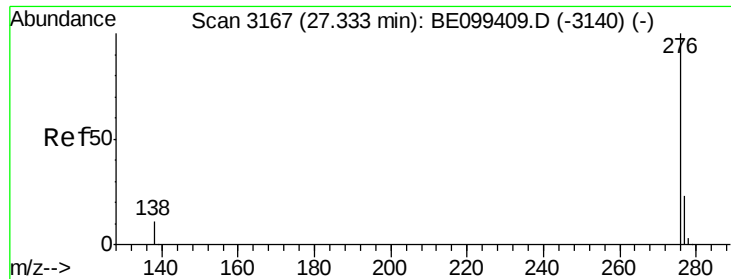
Lab File: BE099525.D

Acq: 3 May 2019 10:54

Tgt Ion:	278	Resp:	1738
Ion Ratio	Lower	Upper	
278	100		
139	51.9	7.7	11.5#
279	51.4	20.2	30.2#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.071 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BE099525.D

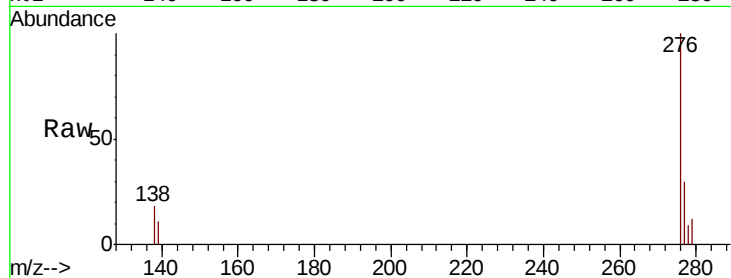
Acq: 3 May 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B019-042419



Tgt Ion:	276	Resp:	5725
Ion Ratio	Lower	Upper	
276	100		
277	30.3	19.5	29.3#
138	17.9	9.6	14.4#

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