

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099125.D
 Acq On : 23 Mar 2019 00:01
 Operator : JU/SJ
 Sample : K2014-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW045-031919

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:36:51 PM

Quant Time: Mar 24 03:47:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3427	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13593	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9144	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	25861	0.40	ng	0.00
27) Chrysene-d12	21.38	240	37425	0.40	ng	-0.01
34) Perylene-d12	23.89	264	40890	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4511	0.44	ng	0.00
5) Phenol-d6	6.99	99	6446	0.44	ng	0.00
8) Nitrobenzene-d5	8.99	82	4405	0.74	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	9437	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1656	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14283	0.39	ng	-0.01
25) Fluoranthene-d10	19.24	212	136108	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	26162	0.33	ng	0.00
Target Compounds						
16) Acenaphthylene	14.20	152	1141	0.023	ng	97
23) Phenanthrene	17.25	178	10868	0.142	ng	99
26) Fluoranthene	19.27	202	21386	0.198	ng	99
28) Pyrene	19.63	202	23414	0.184	ng	96
30) Benzo(a)anthracene	21.37	228	12352	0.094	ng	96
31) Chrysene	21.41	228	13491	0.102	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	27248	0.159	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	7814	0.055	ng	98
35) Benzo(b)fluoranthene	23.12	252	16443	0.116	ng	# 89
36) Benzo(k)fluoranthene	23.17	252	6187m	0.045	ng	
37) Benzo(a)pyrene	23.78	252	11463	0.088	ng	# 93
39) Benzo(a,h,i)perylene	27.36	276	8386	0.064	ng	# 94

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

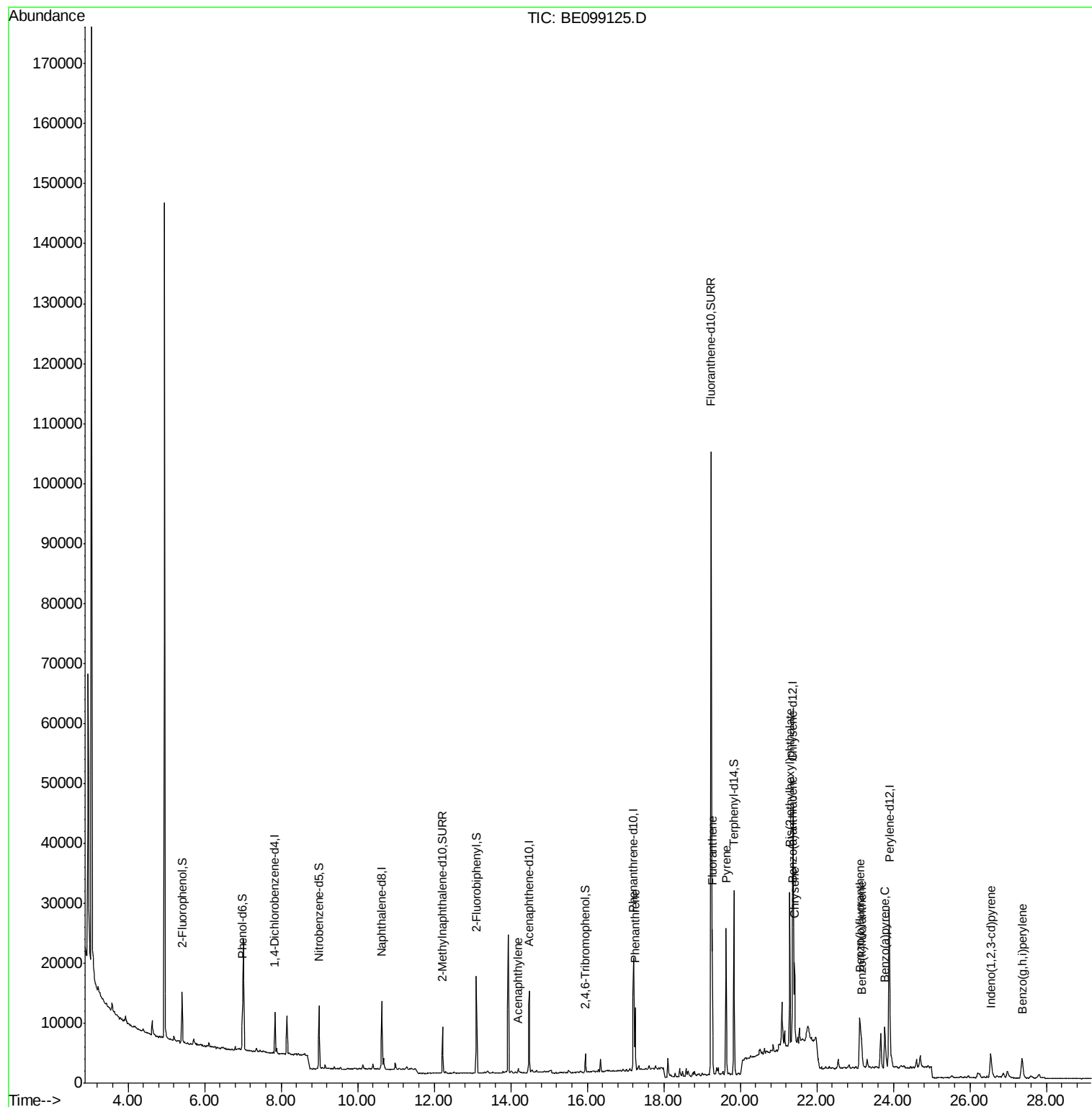
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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#1

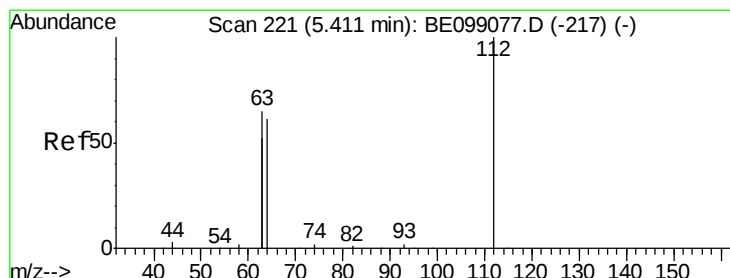
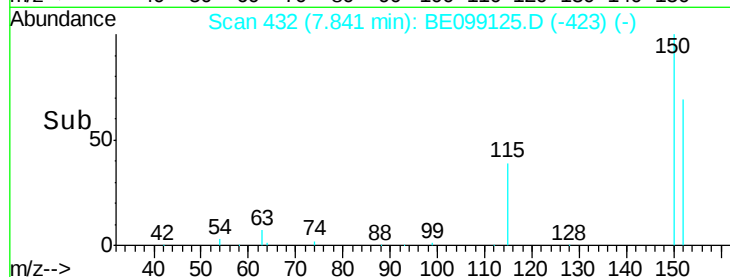
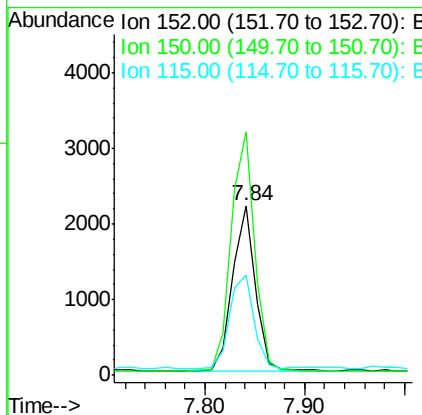
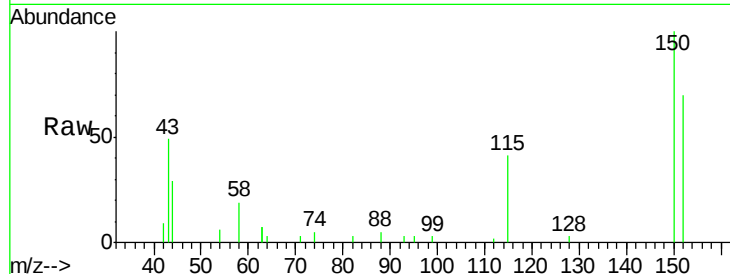
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.7	122.5	183.7
115	59.5	57.4	86.2

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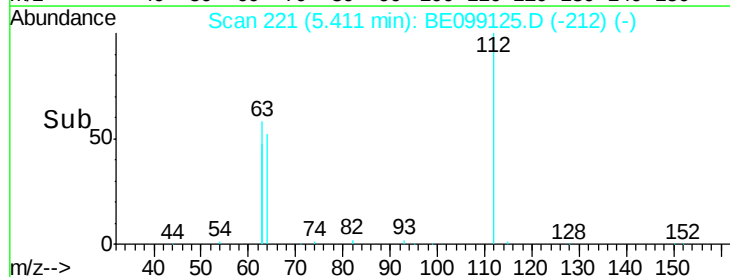
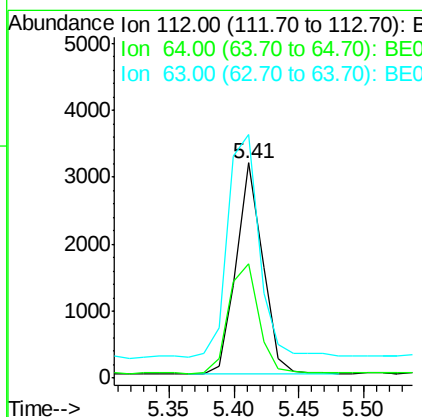
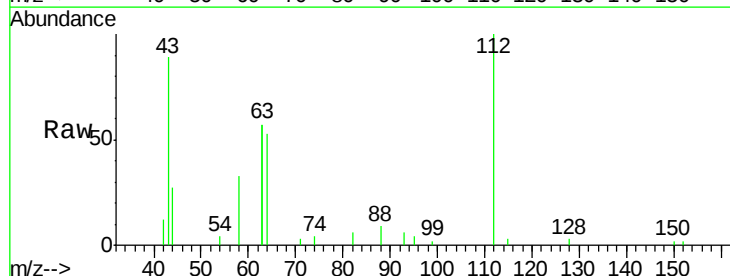
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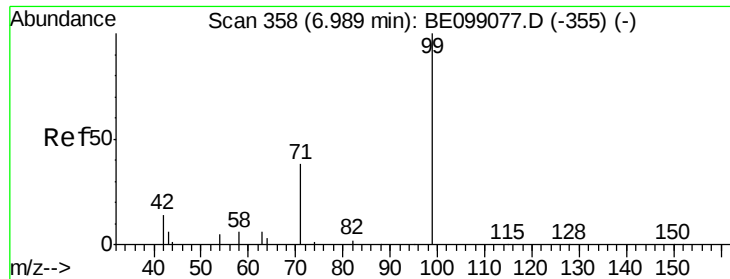


#4

2-Fluorophenol
Concen: 0.442 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	57.9	86.9
63	126.6	158.3	237.5





#5

Phenol-d6

Concen: 0.439 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

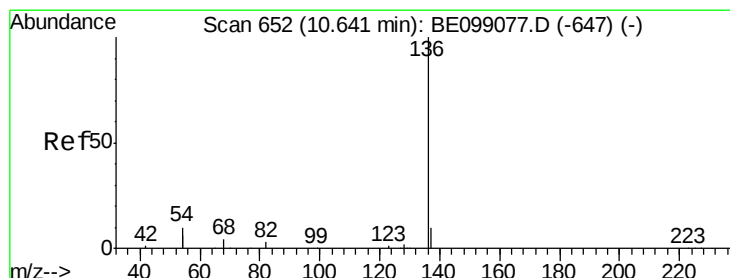
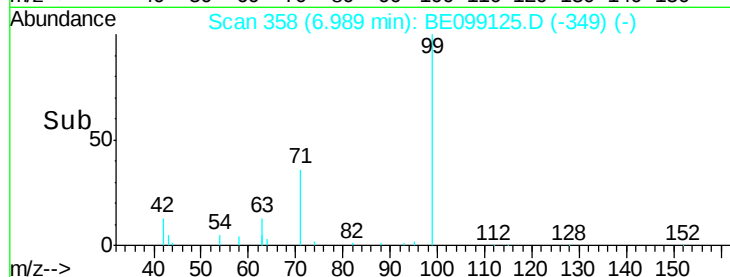
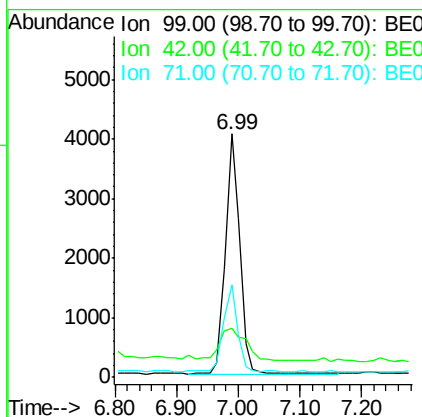
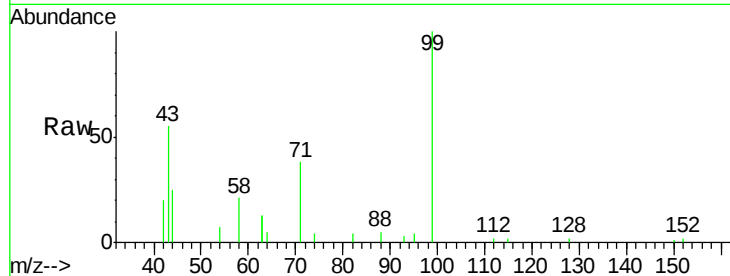
ClientSampleId :

PST-026-SW045-031919

Tot Ion:	99	Resp:	6446
Ion	Ratio	Lower	Upper
99	100		
42	24.4	24.2	36.2
71	36.2	35.7	53.5

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

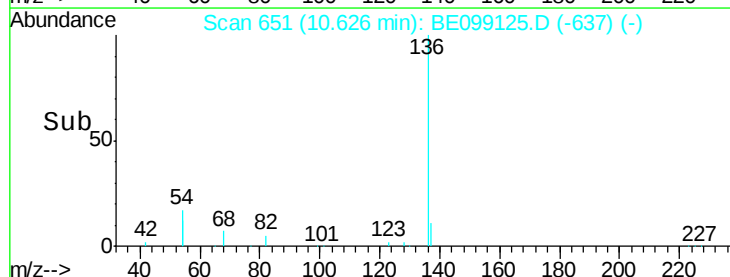
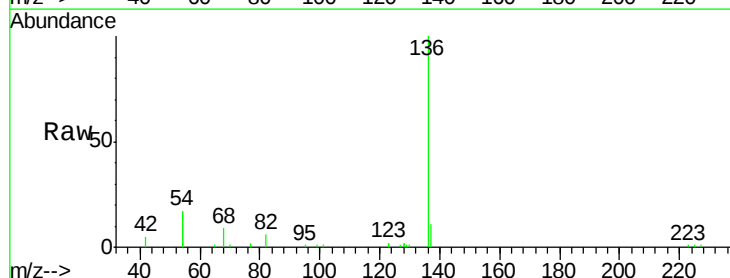
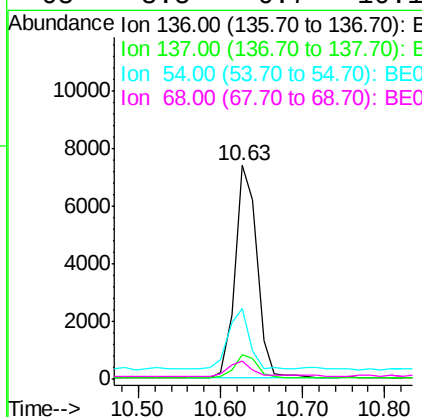
RT: 10.63 min Scan# 651

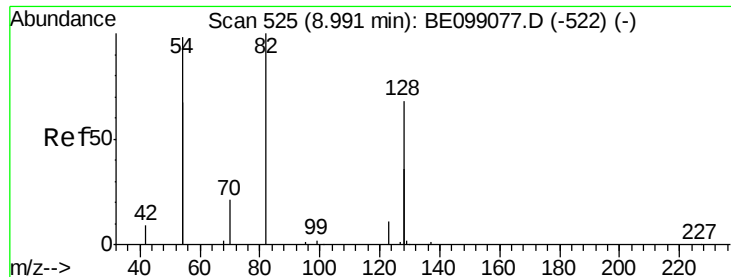
Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Tgt Ion:	136	Resp:	13593
Ion	Ratio	Lower	Upper
136	100		
137	11.5	11.4	17.0
54	33.2	39.3	58.9#
68	8.5	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.741 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

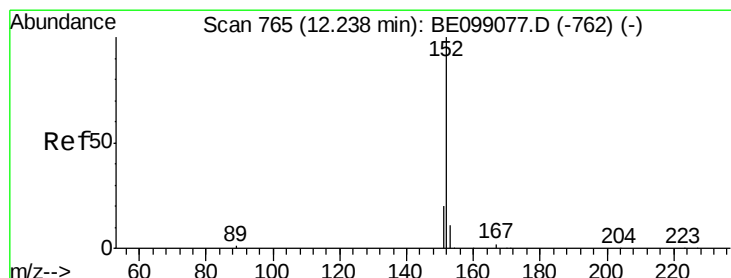
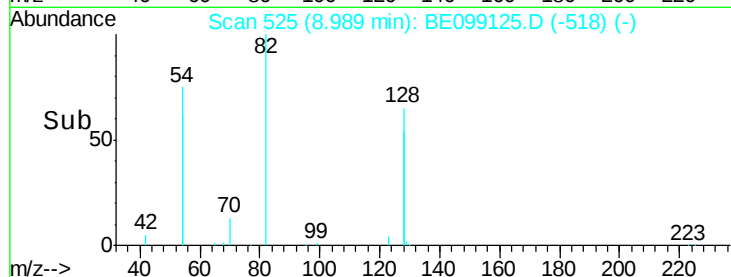
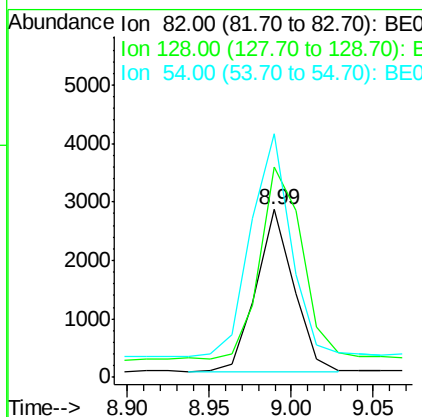
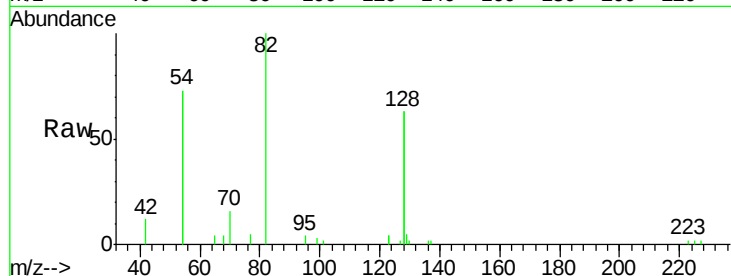
ClientSampleId :

PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
82	100		
128	125.6	123.8	185.8
54	145.3	203.4	305.2

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#11

2-Methylnaphthalene-d10

Concen: 0.385 ng

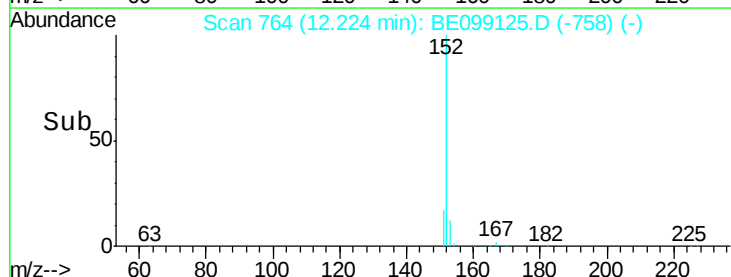
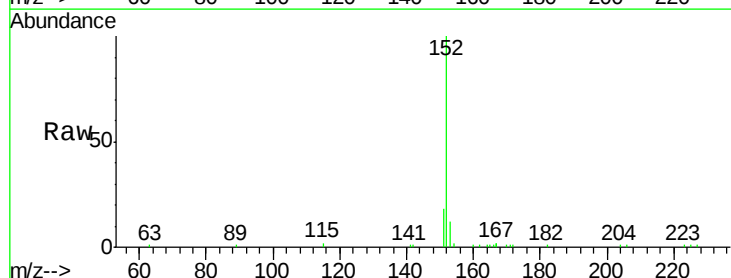
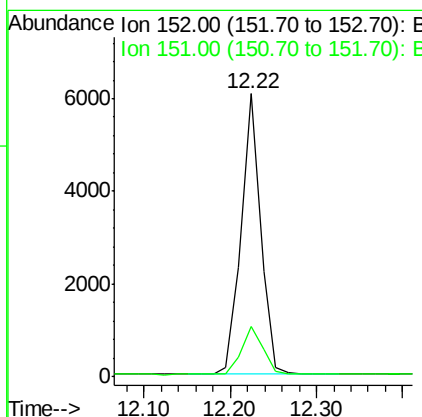
RT: 12.22 min Scan# 764

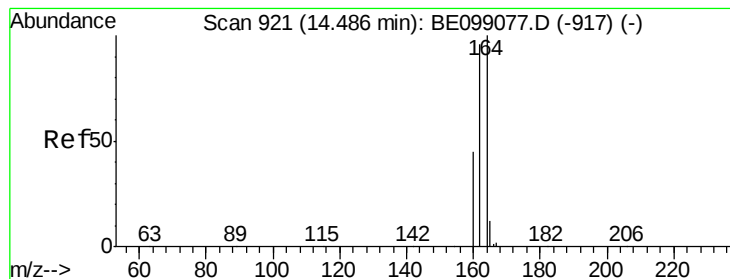
Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.5	24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

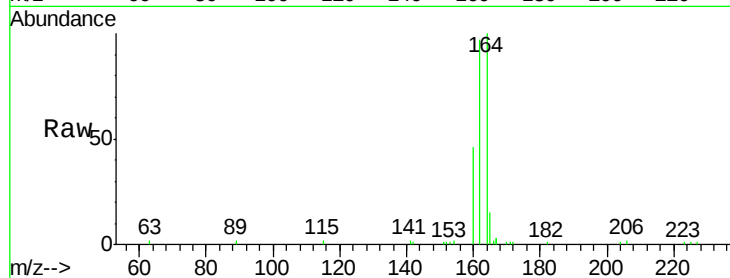
ClientSampleId :

PST-026-SW045-031919

Tot Ion:	164	Resp:	9144
Ion	Ratio	Lower	Upper
164	100		
162	96.5	80.2	120.2
160	45.7	37.8	56.8

Manual Integrations
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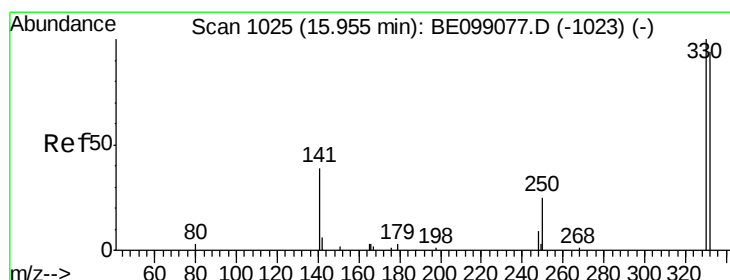
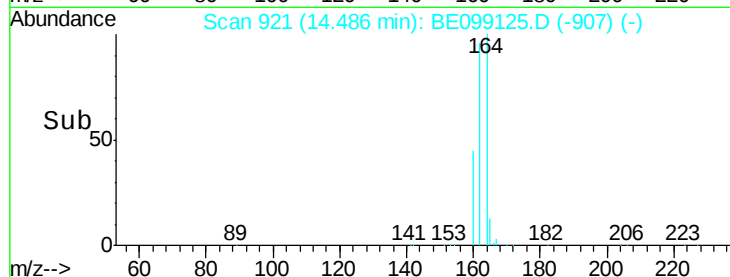
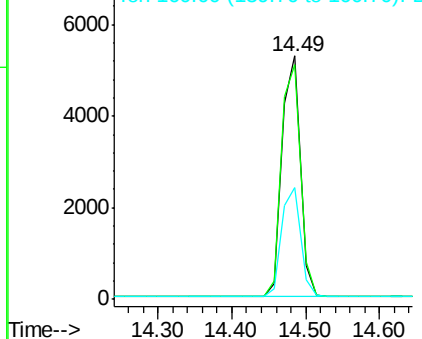
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.616 ng

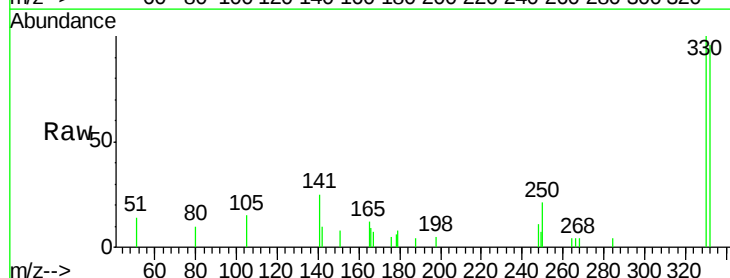
RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

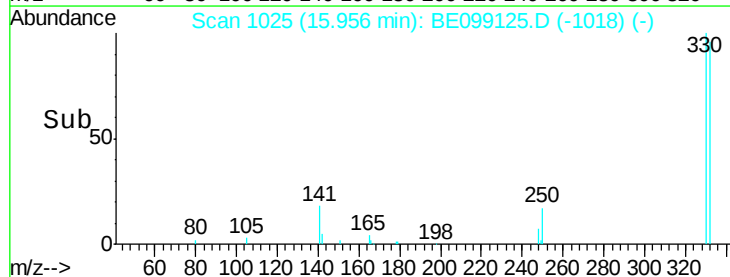
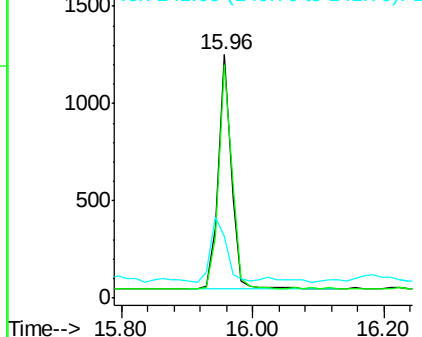
Tgt Ion:	330	Resp:	1656
Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.6	116.4
141	31.7	31.0	46.4

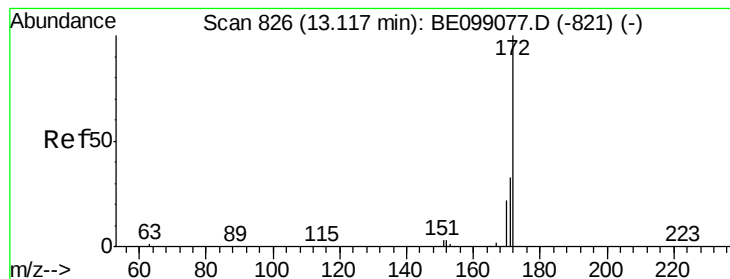


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





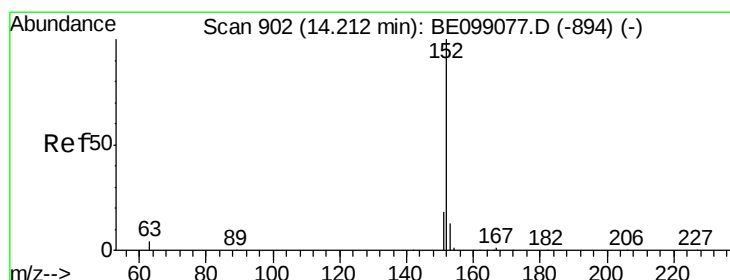
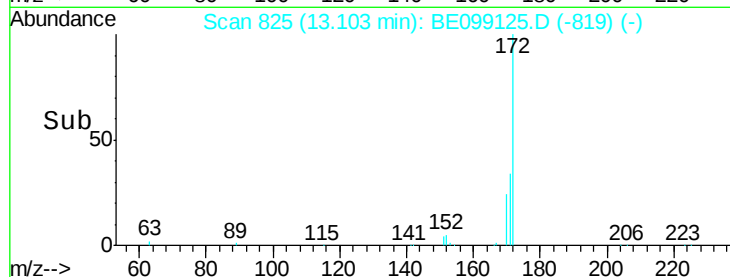
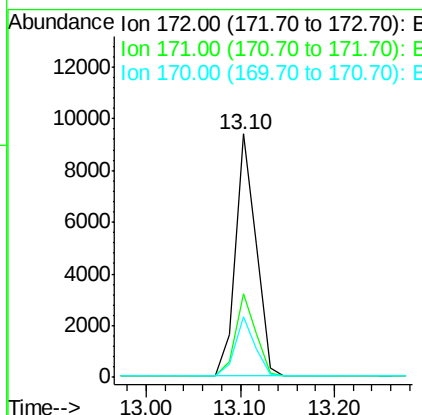
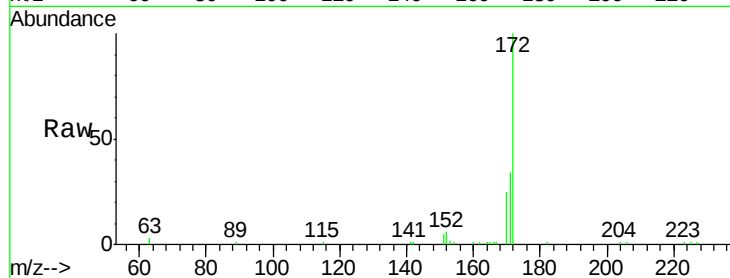
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.0	42.0
170	24.7	17.7	26.5

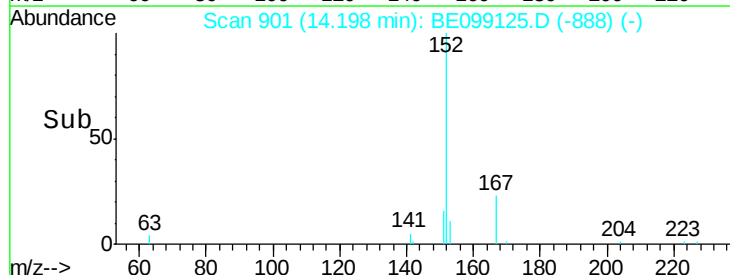
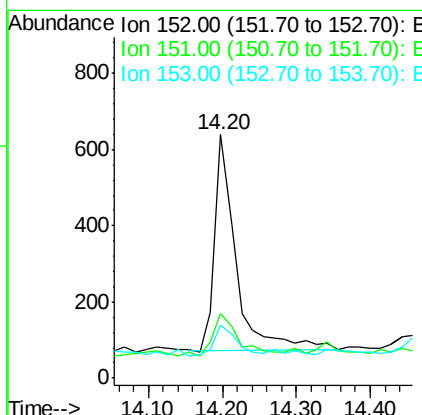
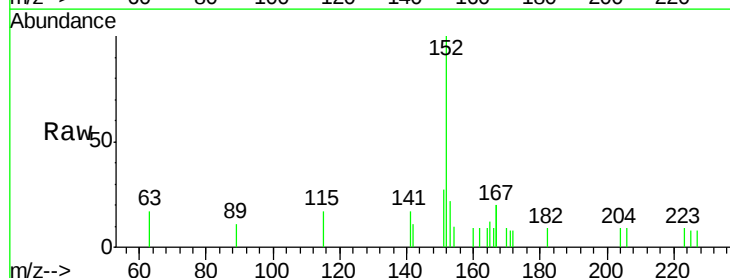
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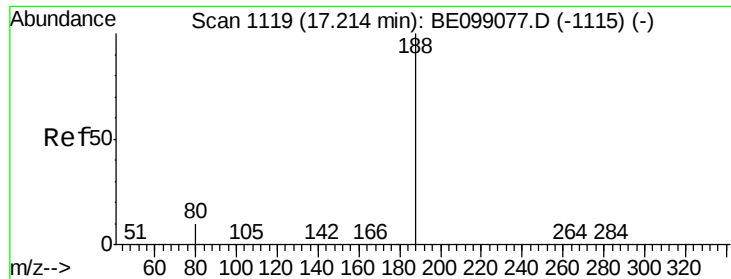
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#16
Acenaphthylene
Concen: 0.023 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.8	17.0	25.6
153	14.0	11.2	16.8





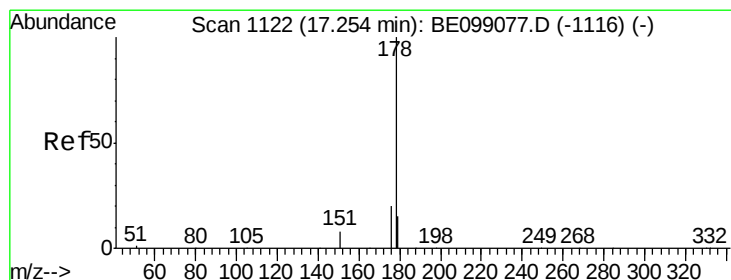
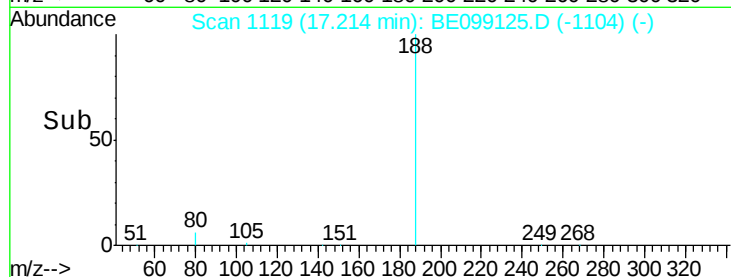
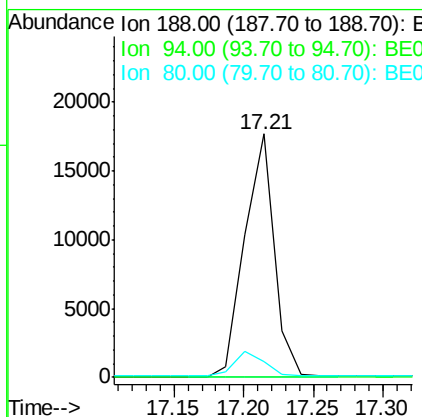
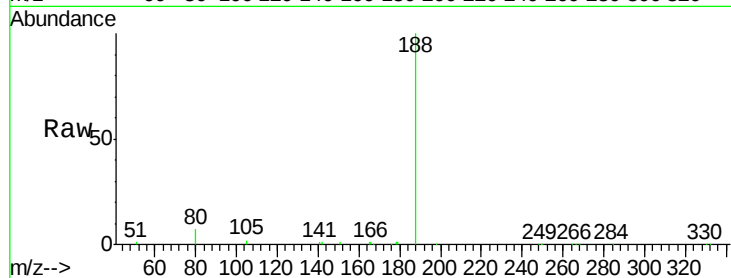
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	6.3	9.5

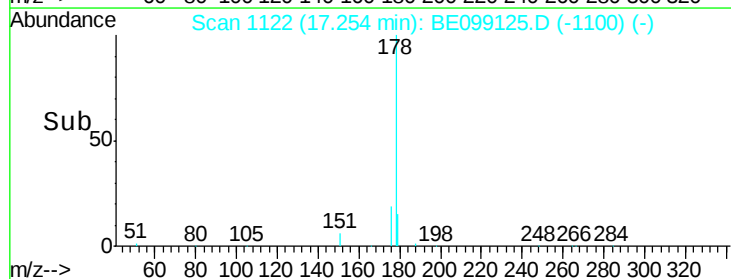
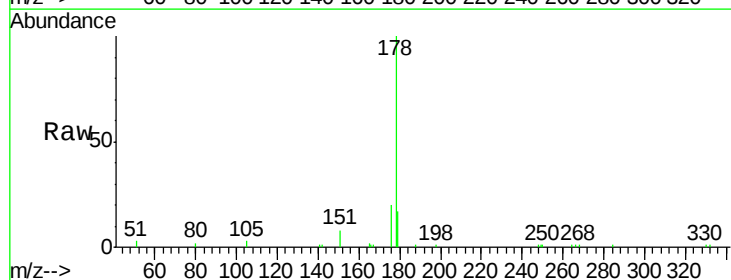
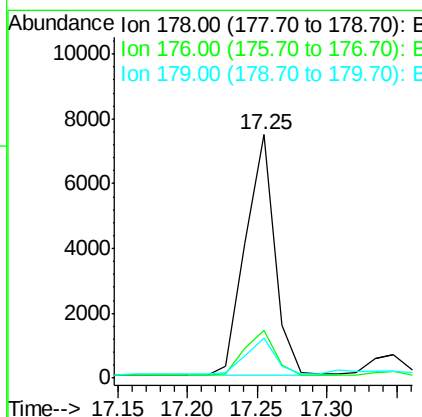
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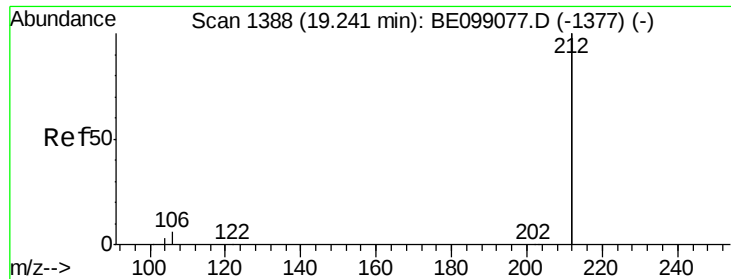
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#23
Phenanthrene
Concen: 0.142 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	16.0	24.0
179	16.5	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

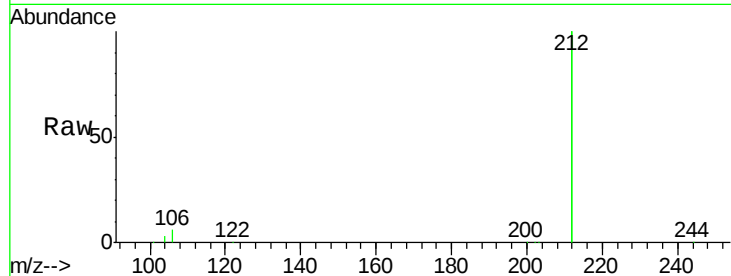
ClientSampleId :

PST-026-SW045-031919

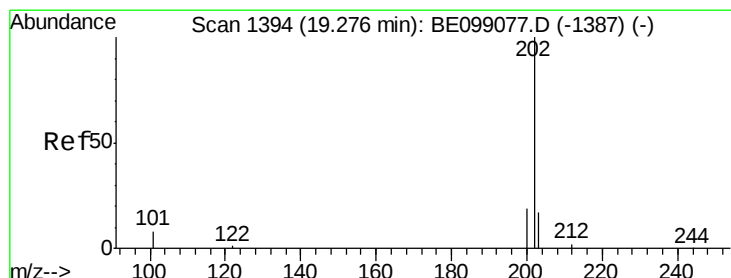
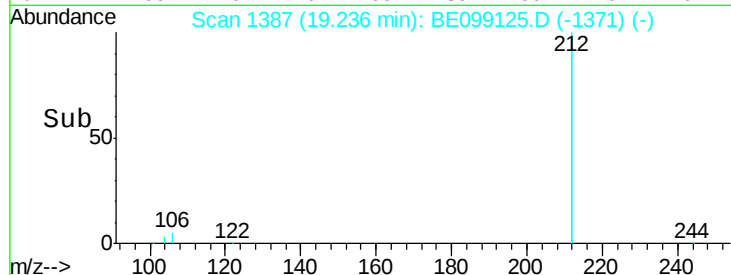
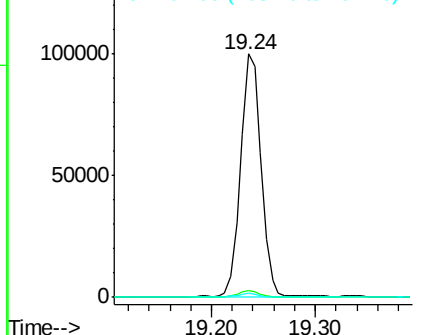
Tot Ion	Ratio	Resp	Lower	Upper
212	100	136108		
106	2.6		1.8	2.8
104	1.4		1.0	1.6

Manual Integrations
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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: 0.198 ng

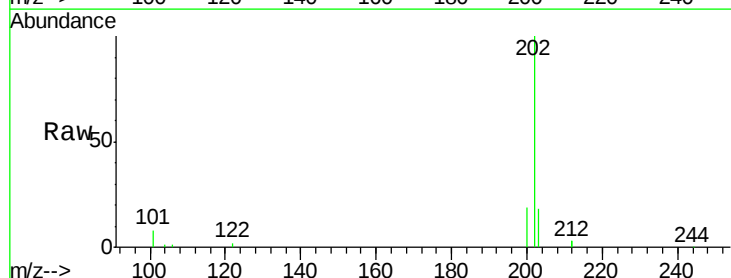
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

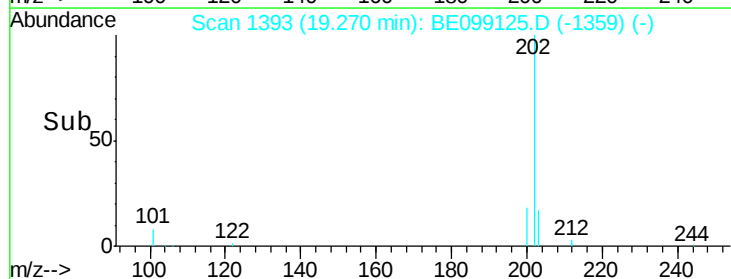
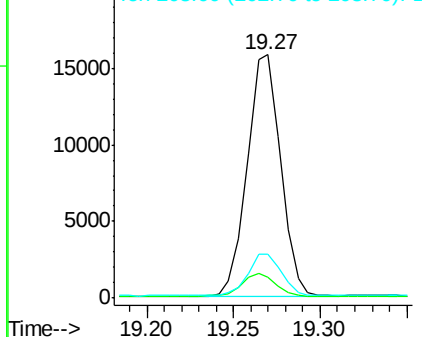
Lab File: BE099125.D

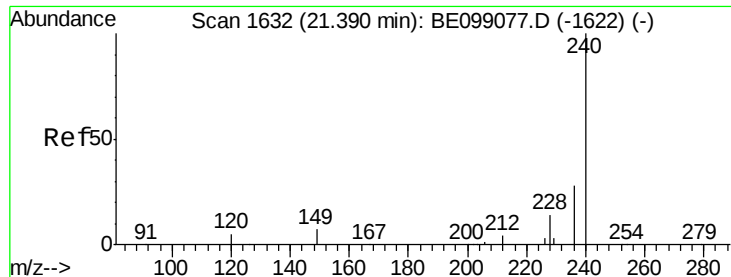
Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	21386		
101	9.5		7.3	10.9
203	17.0		13.4	20.2



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: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

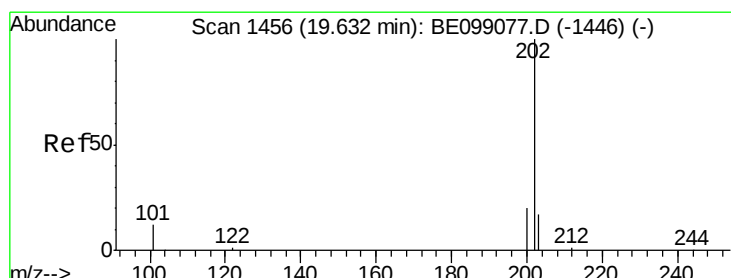
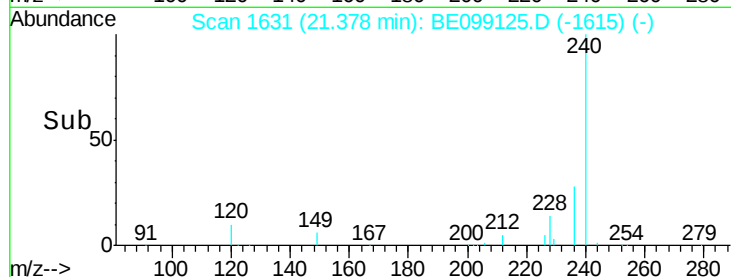
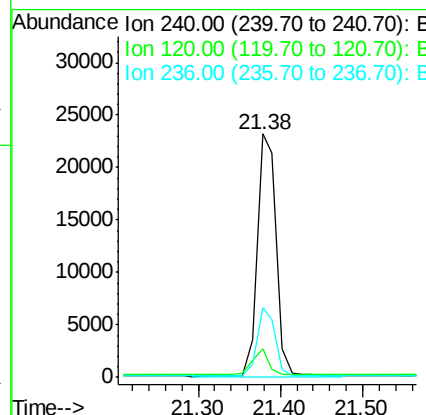
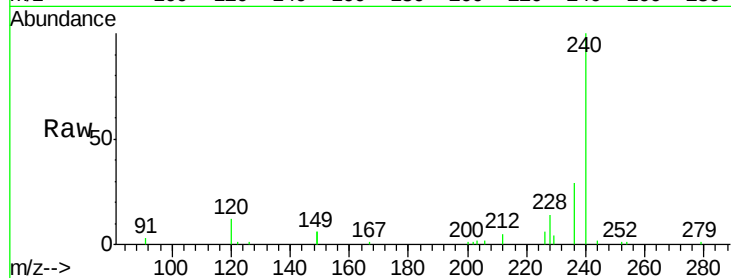
ClientSampleId :

PST-026-SW045-031919

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	11.5	5.0	7.4	
236	28.7	22.7	34.1	

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#28

Pyrene

Concen: 0.184 ng

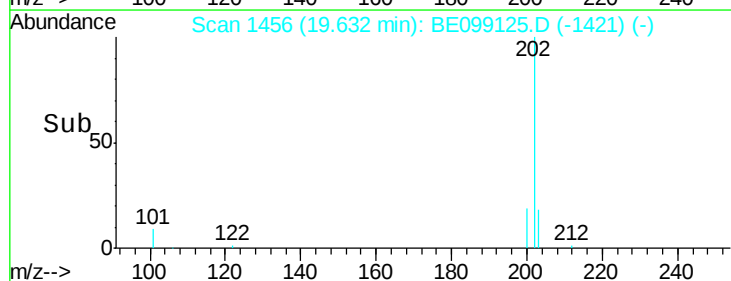
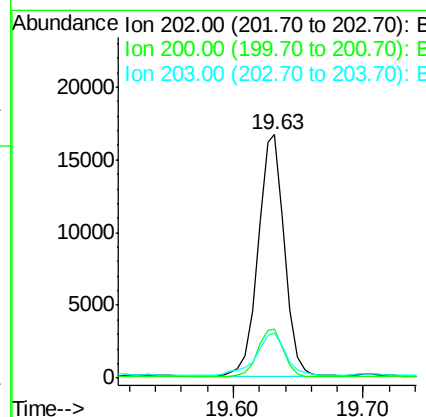
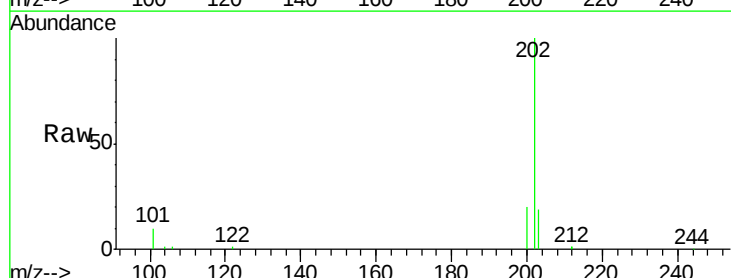
RT: 19.63 min Scan# 1456

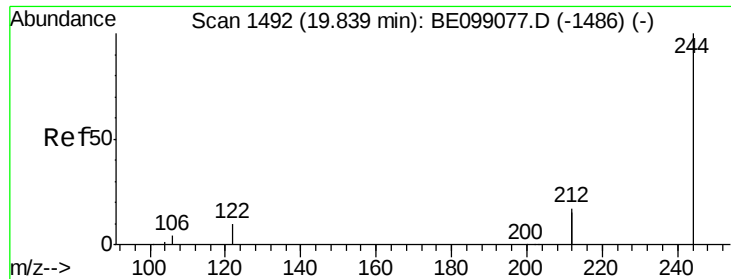
Delta R.T. -0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	20.0	17.0	25.6	
203	20.3	14.2	21.2	





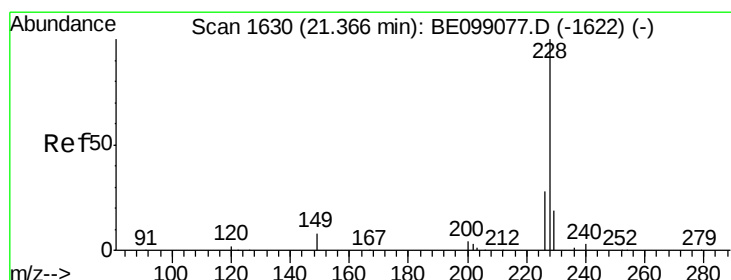
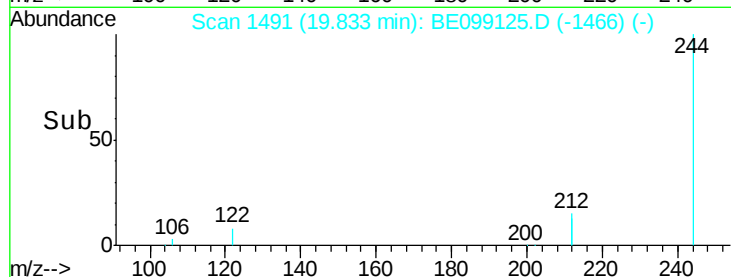
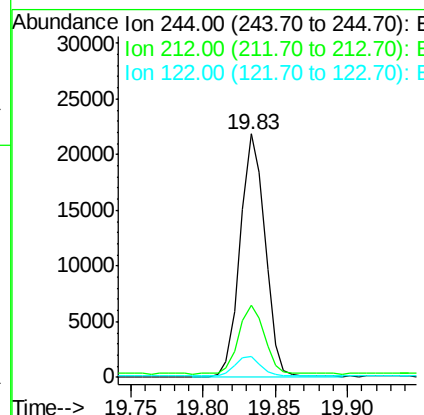
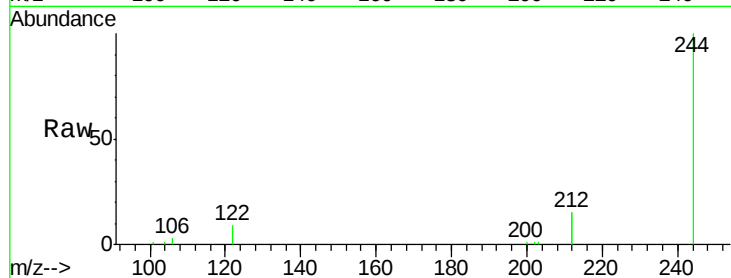
#29
 Terphenyl-d14
 Concen: 0.330 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE099125.D
 Acq: 23 Mar 2019 00:01

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
244	100		
212	29.8	29.4	44.2
122	8.7	7.1	10.7

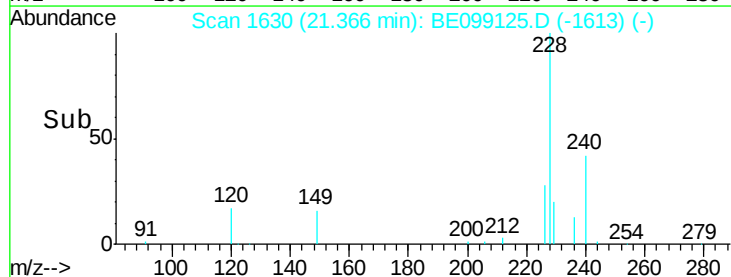
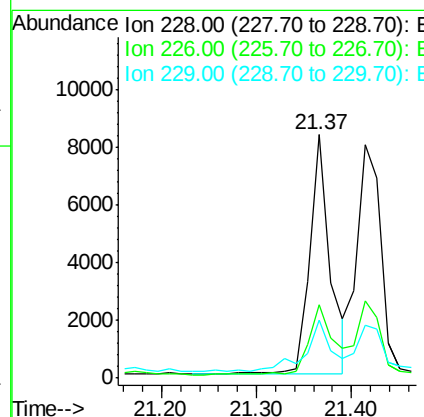
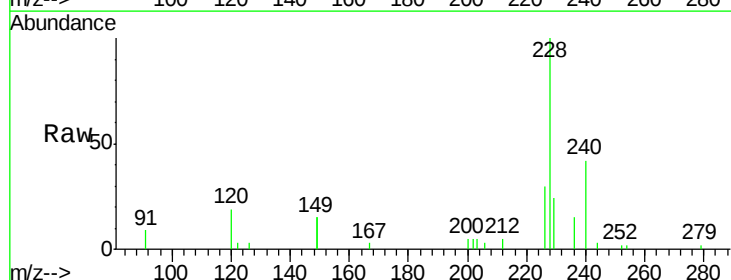
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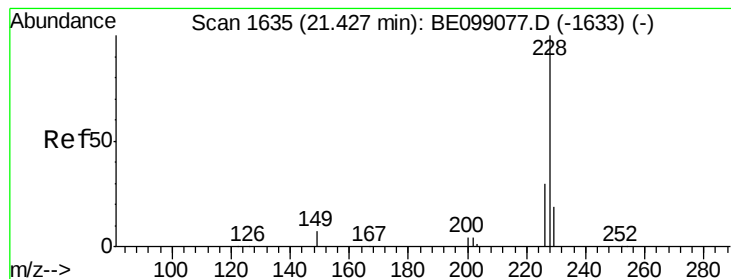
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#30
 Benzo(a)anthracene
 Concen: 0.094 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099125.D
 Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.0	34.4
229	23.8	16.5	24.7





#31

Chrysene

Concen: 0.102 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

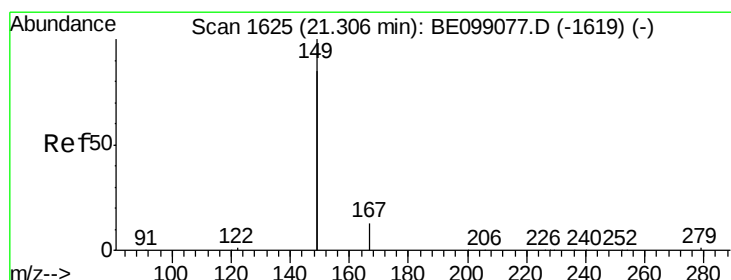
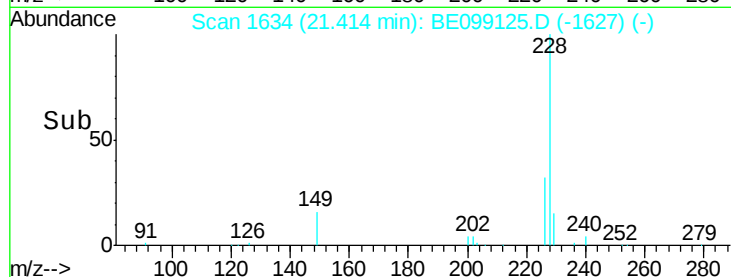
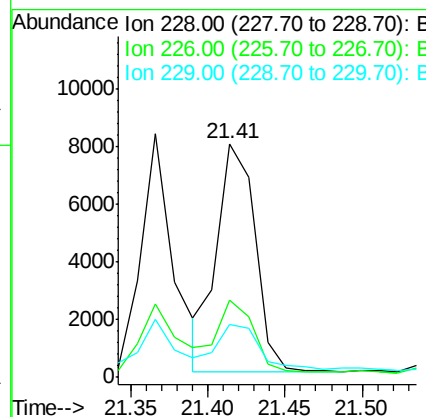
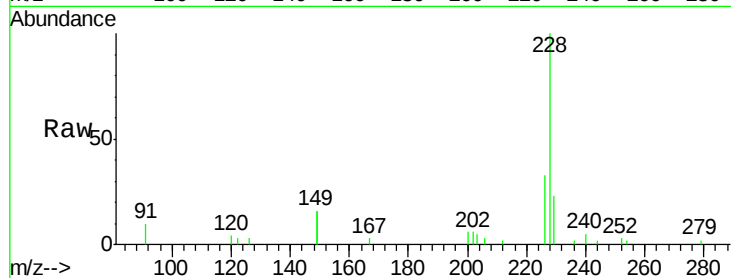
ClientSampleId :

PST-026-SW045-031919

Tot Ion:	228	Resp:	13491
Ion Ratio	Lower	Upper	
228	100		
226	33.0	23.7	35.5
229	22.9	16.1	24.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.159 ng

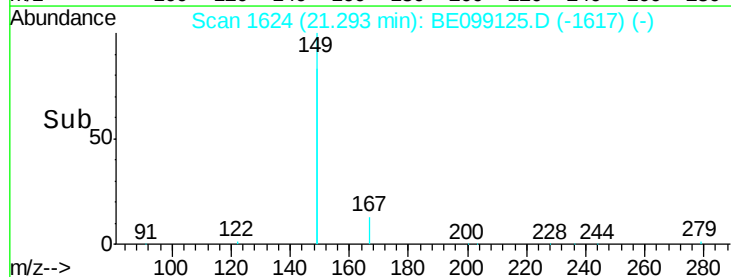
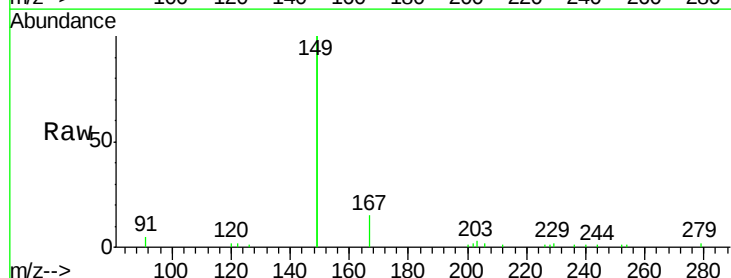
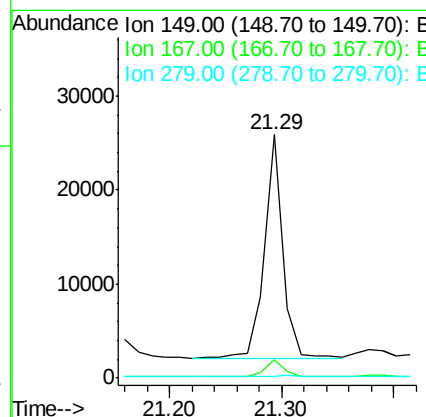
RT: 21.29 min Scan# 1624

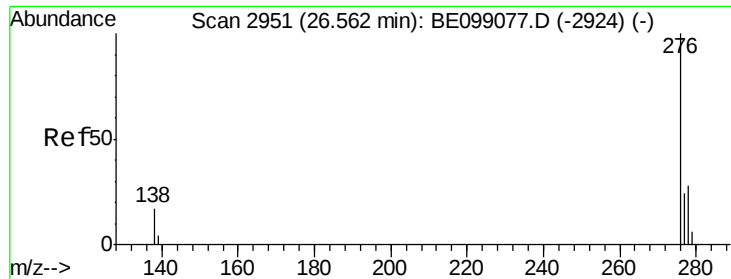
Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Tgt Ion:	149	Resp:	27248
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.4	8.0
279	1.2	1.0	1.4





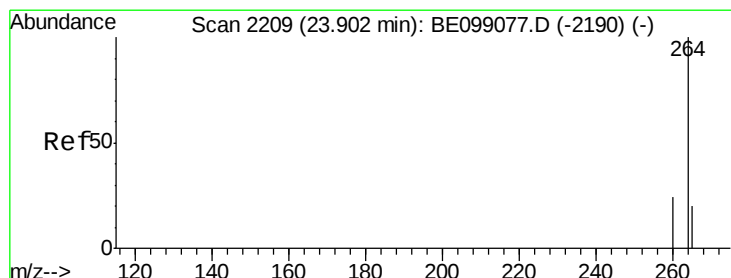
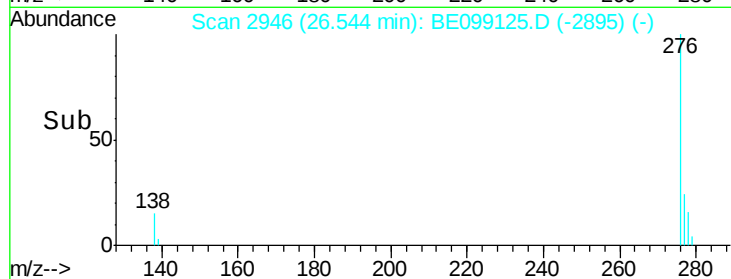
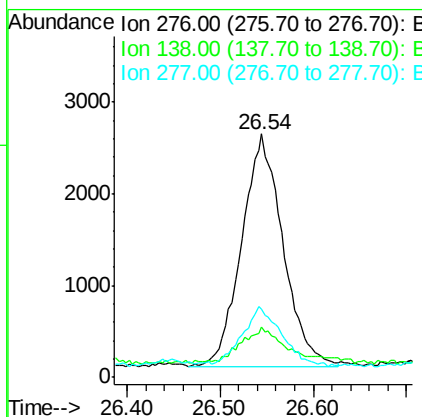
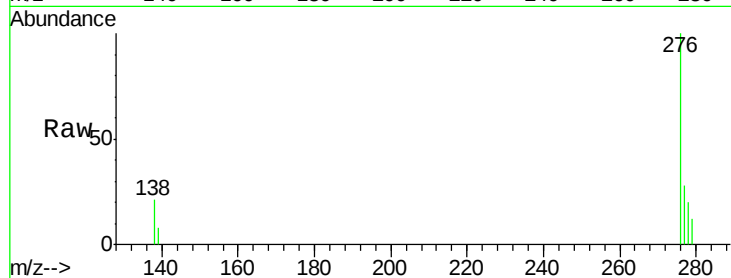
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.055 ng
RT: 26.54 min Scan# 2946
Delta R.T. -0.02 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	13.8	20.8
277	24.1	19.5	29.3

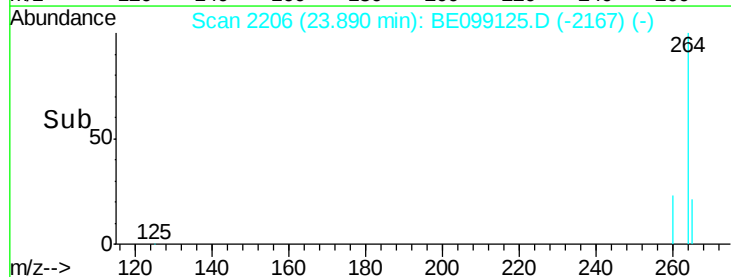
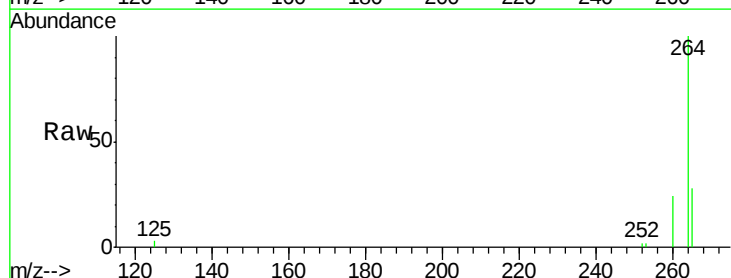
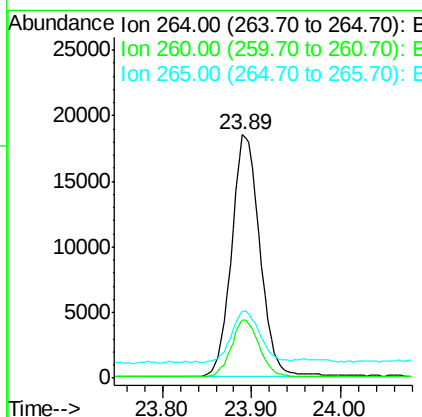
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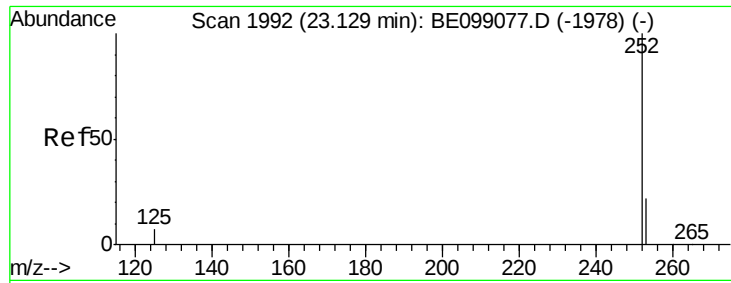
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	21.2	31.8
265	27.7	24.6	36.8





#35

Benzo(b)fluoranthene

Concen: 0.116 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

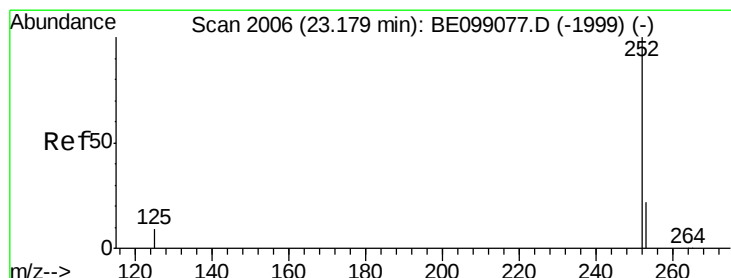
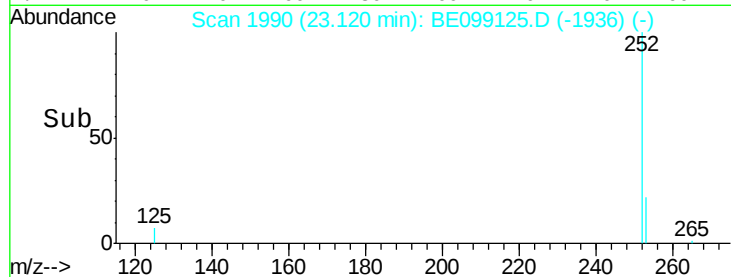
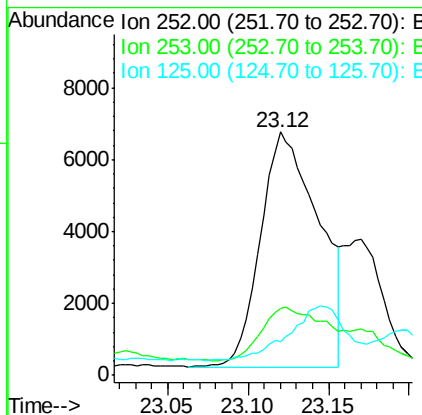
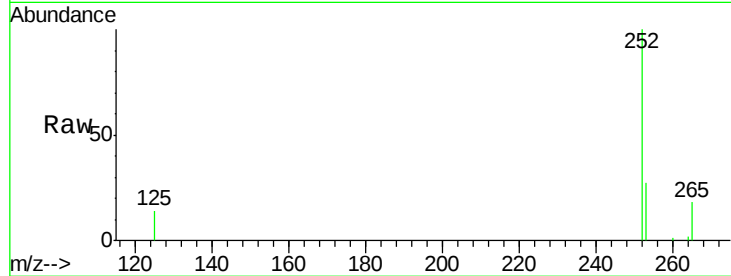
ClientSampleId :

PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.2#
125	13.8	7.3	10.9#

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#36

Benzo(k)fluoranthene

Concen: 0.045 ng m

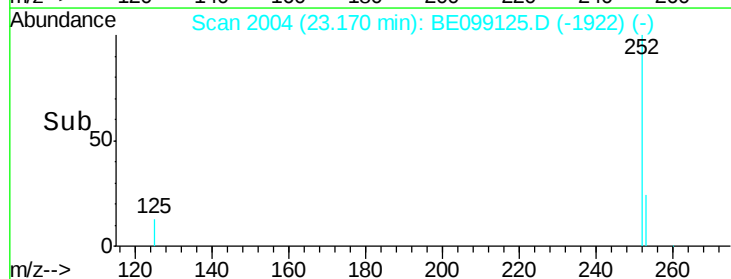
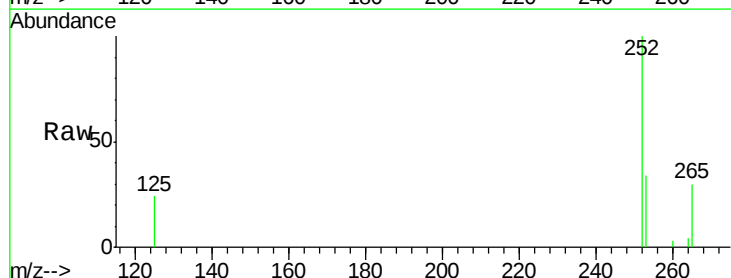
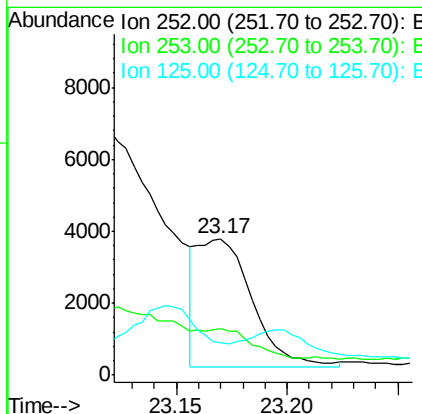
RT: 23.17 min Scan# 2004

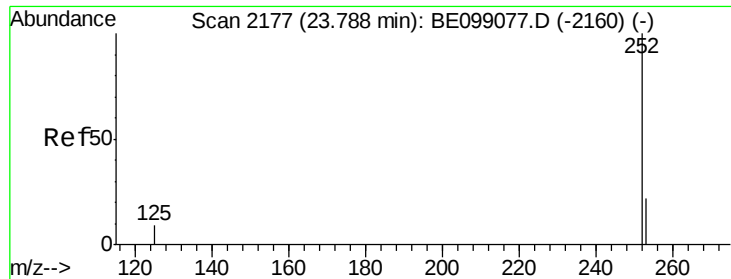
Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.1	19.3	28.9#
125	24.1	7.5	11.3#





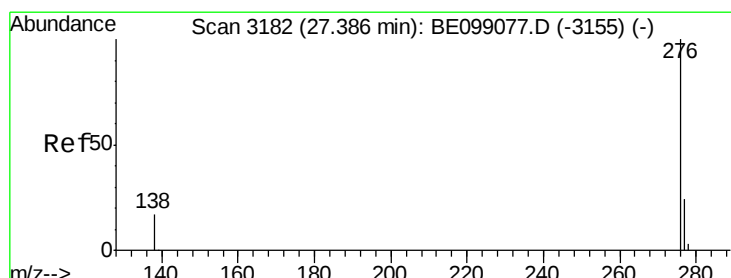
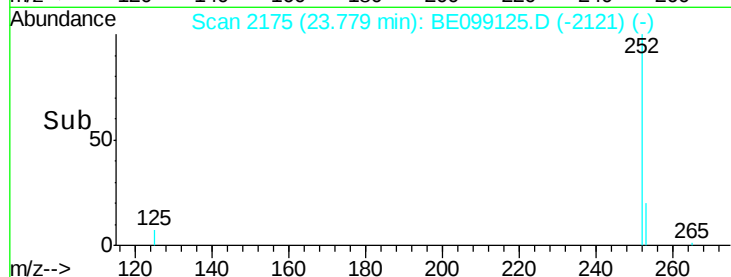
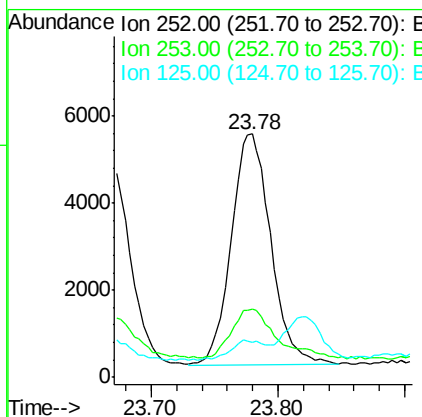
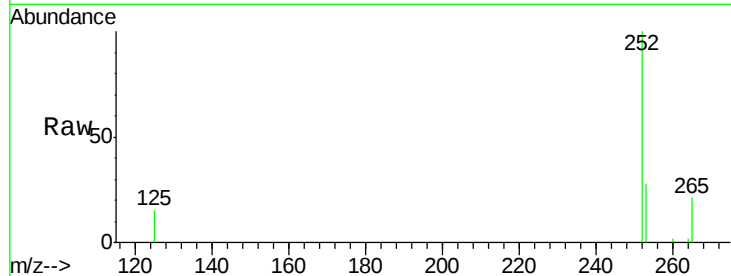
#37
Benzo(a)pyrene
Concen: 0.088 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	19.9	29.9
125	14.6	9.0	13.4

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.064 ng
RT: 27.36 min Scan# 3176
Delta R.T. -0.02 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	20.4	30.6
138	20.8	13.6	20.4

