

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099117.D
 Acq On : 23 Mar 2019 18:17
 Operator : JU/SJ
 Sample : K2014-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW042-031919

Manual Integrations
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 3/25/2019 12:37:08 PM

Quant Time: Mar 24 03:30:29 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	3599	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13782	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	9049	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26011	0.40	ng	0.00
27) Chrysene-d12	21.39	240	38259	0.40	ng	0.00
34) Perylene-d12	23.89	264	40671	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4751	0.44	ng	0.00
5) Phenol-d6	6.99	99	6705	0.43	ng	0.00
8) Nitrobenzene-d5	8.99	82	4505	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9838	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1778	0.67	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14900	0.41	ng	-0.02
25) Fluoranthene-d10	19.24	212	146035	0.42	ng	0.00
29) Terphenyl-d14	19.84	244	28763	0.36	ng	0.00
Target Compounds						
23) Phenanthrene	17.26	178	14177	0.184	ng	Qvalue 99
24) Anthracene	17.35	178	1858	0.025	ng	# 94
26) Fluoranthene	19.27	202	22759	0.209	ng	97
28) Pyrene	19.63	202	22656	0.175	ng	96
30) Benzo(a)anthracene	21.37	228	12391	0.092	ng	97
31) Chrysene	21.43	228	13177	0.098	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	19732	0.113	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	6800	0.047	ng	# 95
35) Benzo(b)fluoranthene	23.12	252	15661	0.111	ng	# 89
36) Benzo(k)fluoranthene	23.17	252	5555m	0.040	ng	
37) Benzo(a)pyrene	23.78	252	11013	0.085	ng	# 93
39) Benzo(a,h,i)perylene	27.37	276	6916	0.053	ng	# 93

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

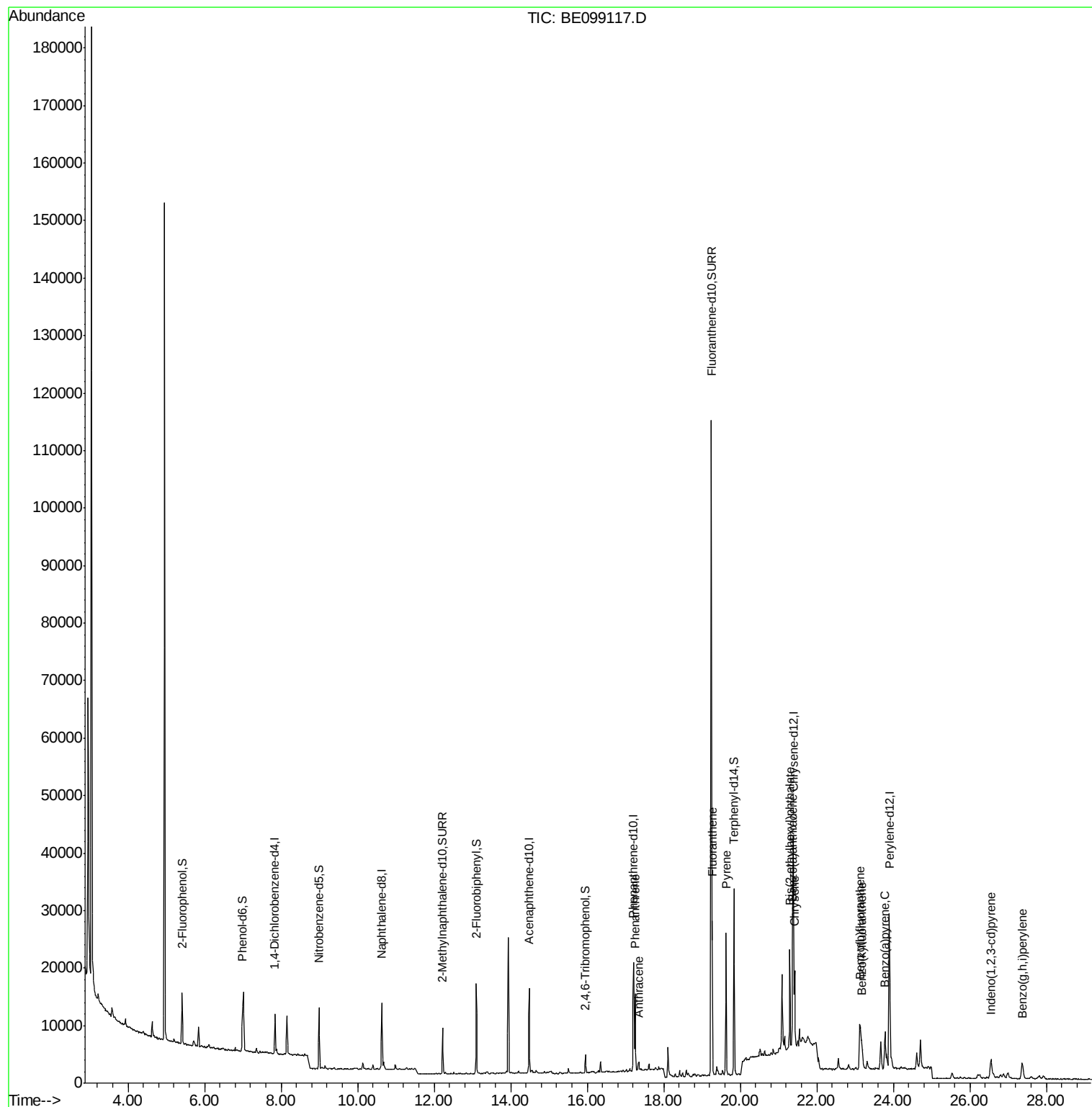
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
Data File : BE099117.D
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Sample : K2014-15
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ALS Vial : 16 Sample Multiplier: 1

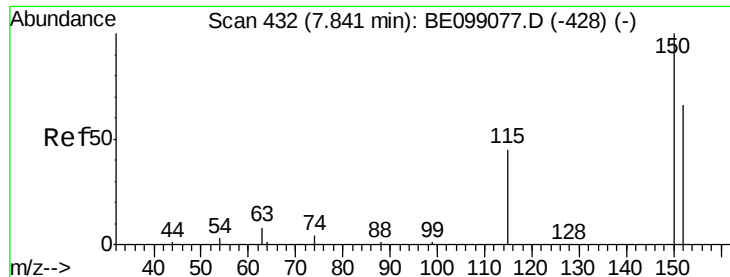
Instrument :
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#1

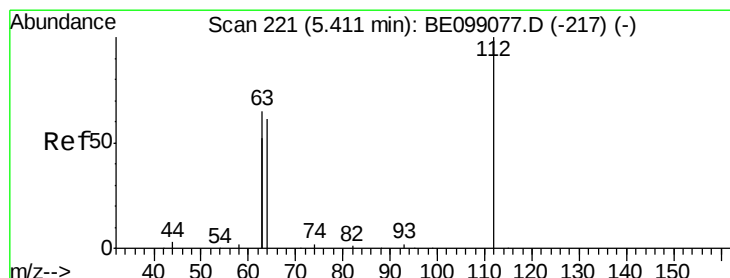
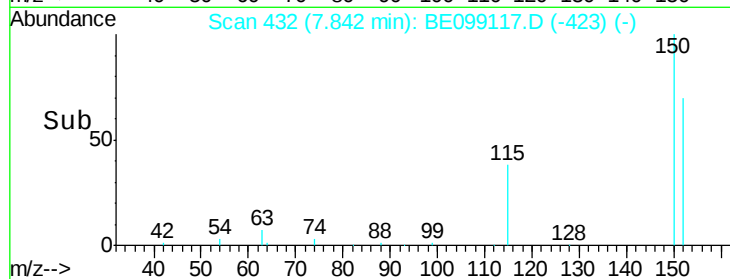
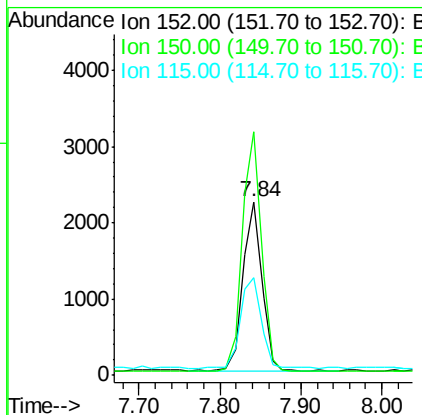
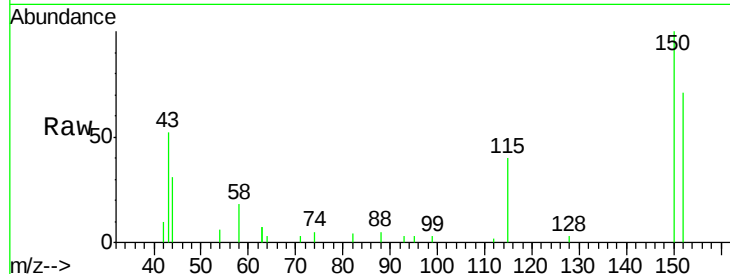
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.6	122.5	183.7
115	56.6	57.4	86.2

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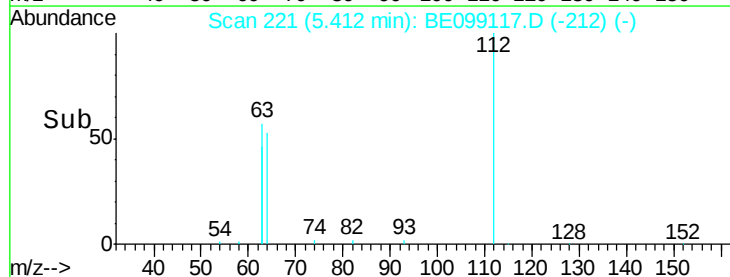
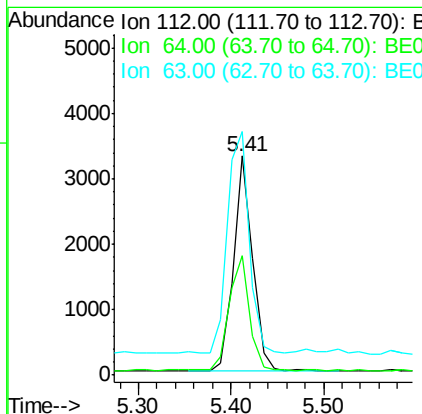
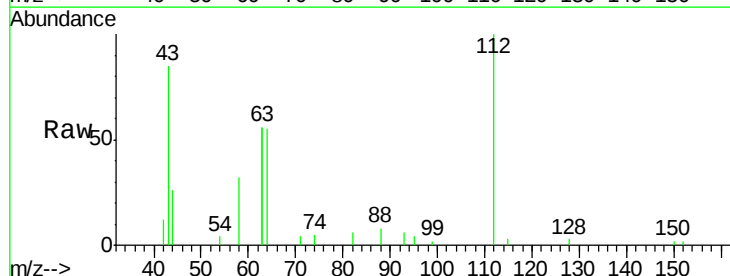
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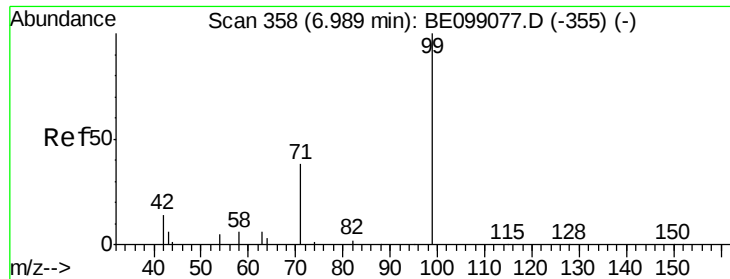


#4

2-Fluorophenol
Concen: 0.443 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	57.9	86.9
63	117.2	158.3	237.5





#5

Phenol-d6

Concen: 0.435 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

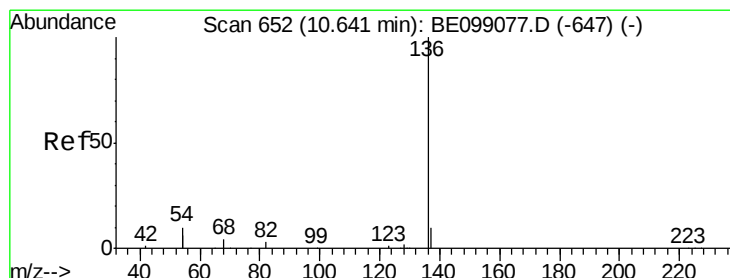
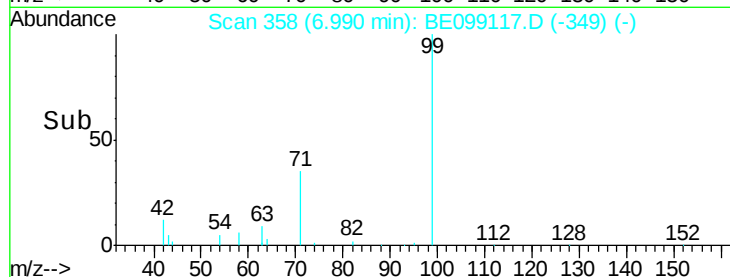
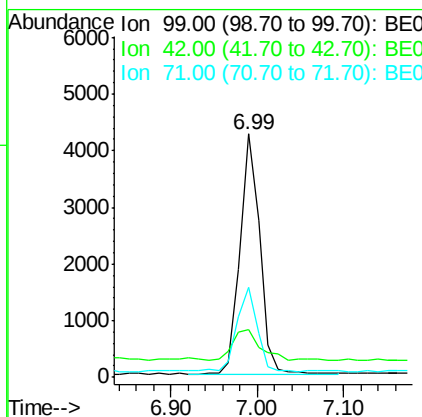
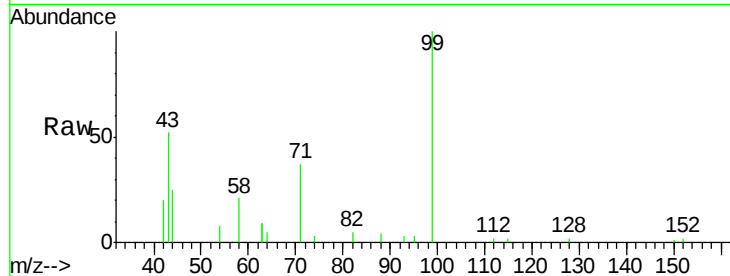
ClientSampleId :

PST-026-SW042-031919

Tot Ion:	99	Resp:	6705
Ion Ratio	Lower	Upper	
99	100		
42	17.7	24.2	36.2#
71	35.7	35.7	53.5#

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#7

Naphthalene-d8

Concen: 0.400 ng

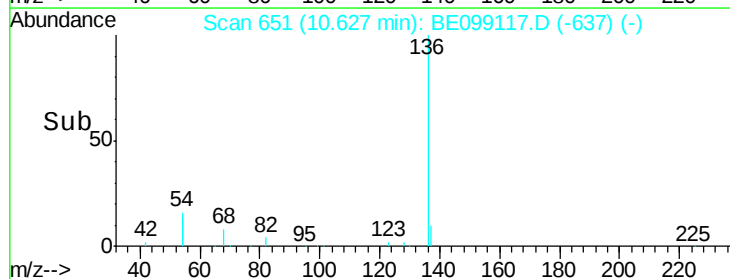
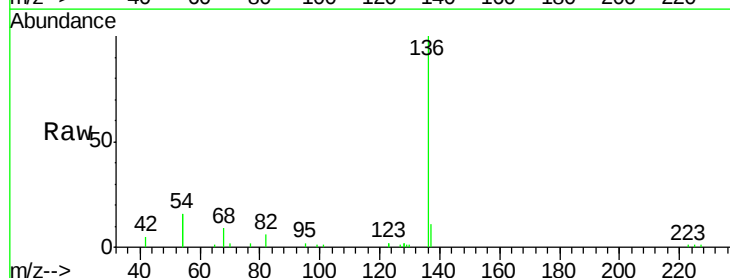
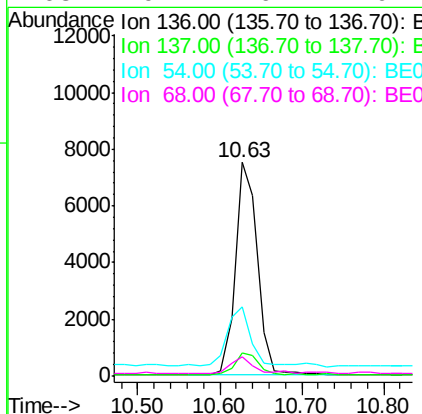
RT: 10.63 min Scan# 651

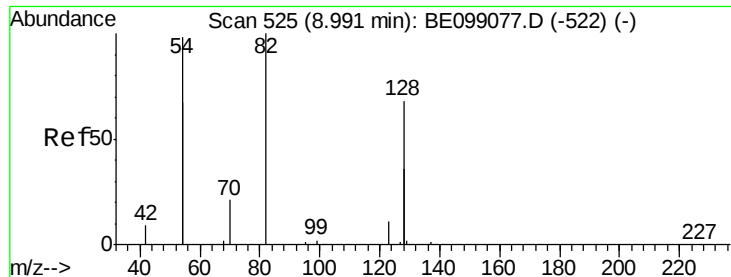
Delta R.T. -0.01 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Tgt Ion:	136	Resp:	13782
Ion Ratio	Lower	Upper	
136	100		
137	10.6	11.4	17.0#
54	32.5	39.3	58.9#
68	9.2	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.748 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

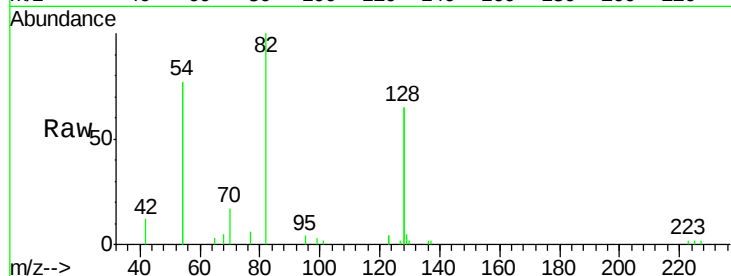
ClientSampleId :

PST-026-SW042-031919

Tot Ion:	82	Resp:	4505
Ion Ratio	Lower	Upper	
82	100		
128	130.0	123.8	185.8
54	153.0	203.4	305.2#

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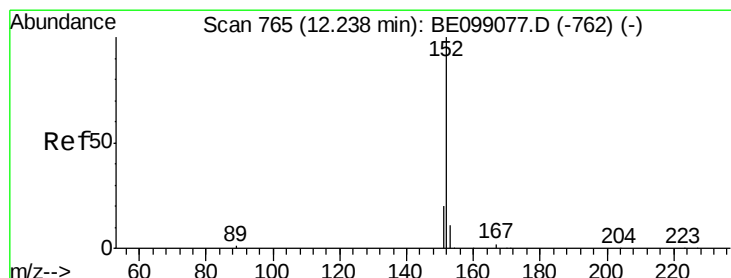
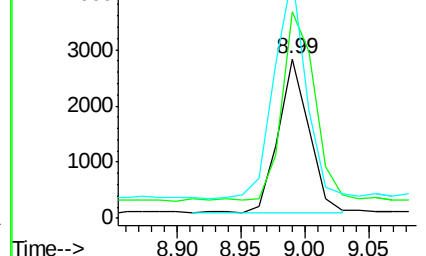
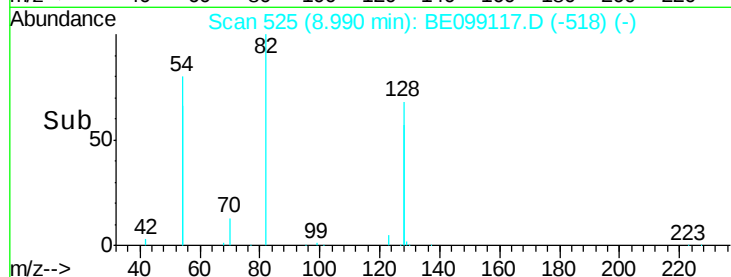


Abundance Ion 82.00 (81.70 to 82.70): BE099117.D (-518) (-)

Ion 128.00 (127.70 to 128.70): BE099117.D (-518) (-)

Ion 54.00 (53.70 to 54.70): BE099117.D (-518) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.396 ng

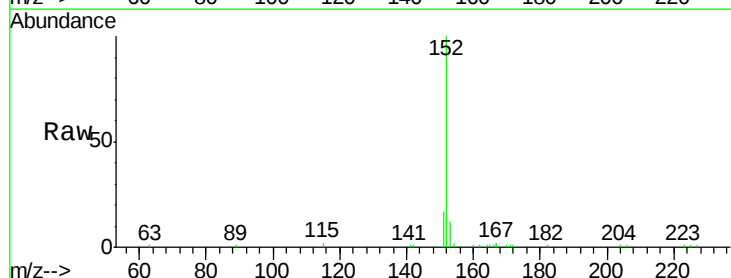
RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

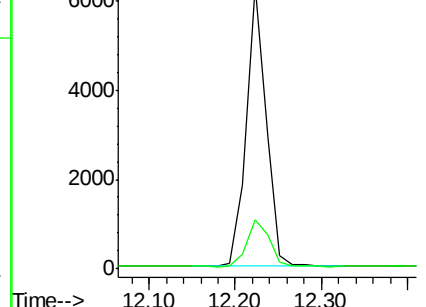
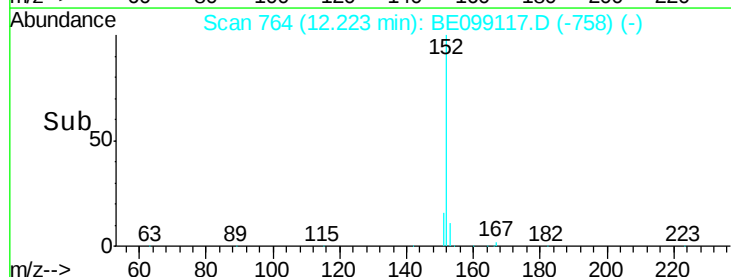
Tgt Ion:	152	Resp:	9838
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.5	24.7

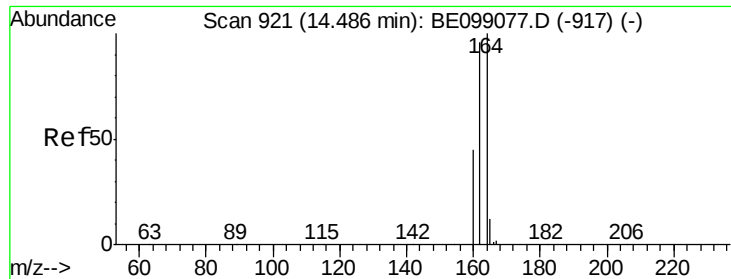


Abundance Ion 152.00 (151.70 to 152.70): BE099117.D (-758) (-)

Ion 151.00 (150.70 to 151.70): BE099117.D (-758) (-)

Time-->





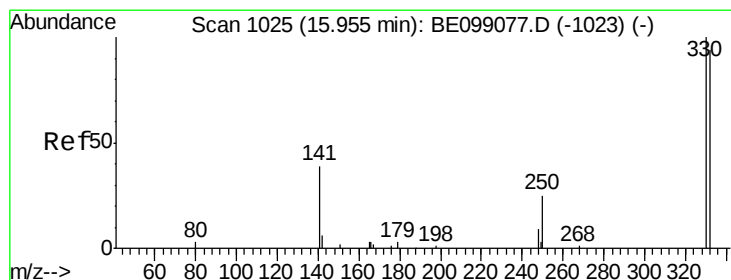
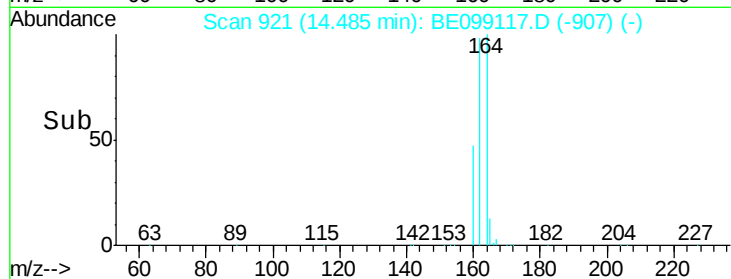
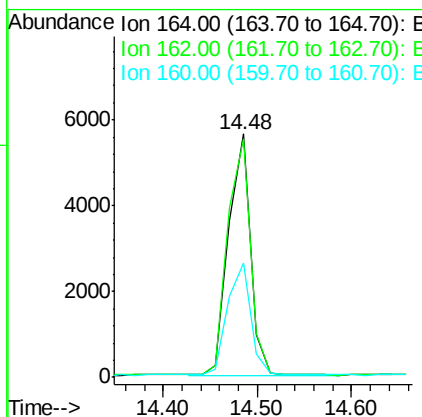
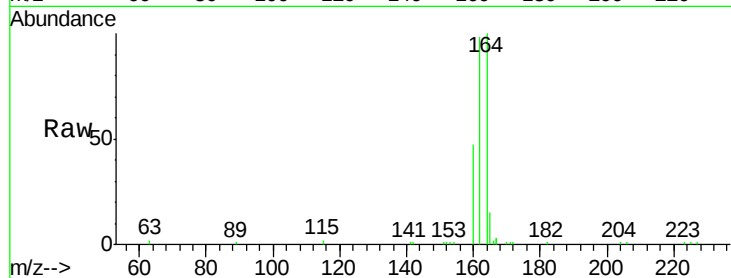
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.0	80.2	120.2
160	47.2	37.8	56.8

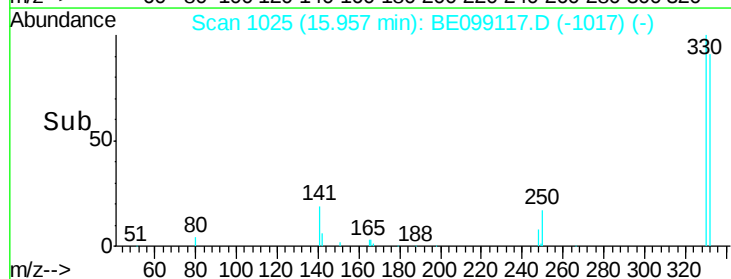
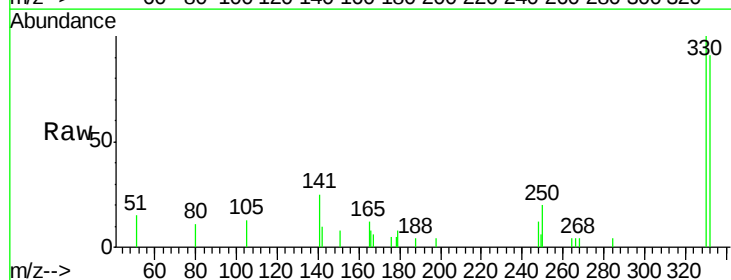
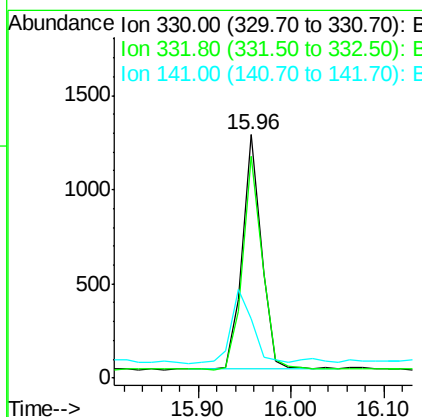
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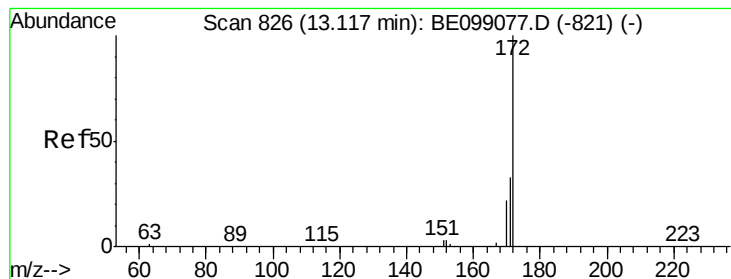
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#14
2,4,6-Tribromophenol
Concen: 0.668 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.1	77.6	116.4
141	34.8	31.0	46.4





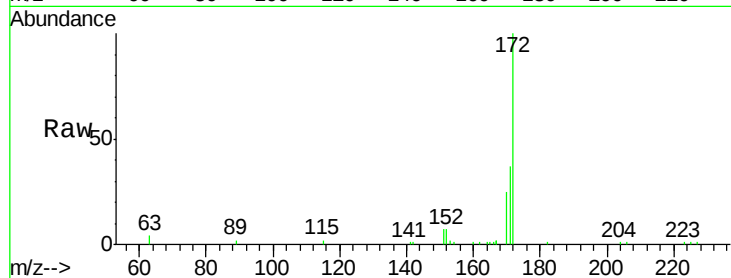
#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.02 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

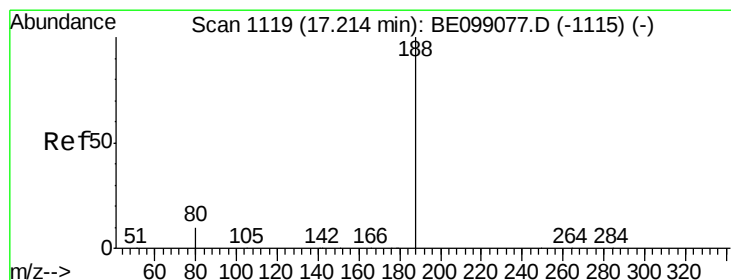
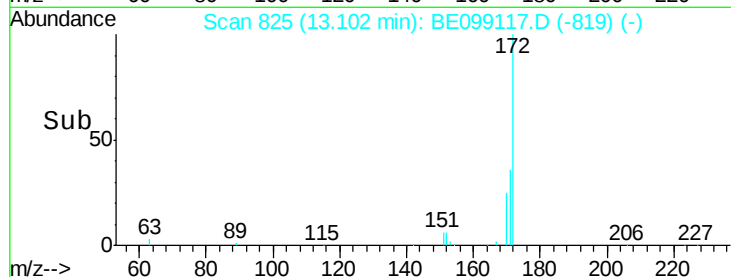
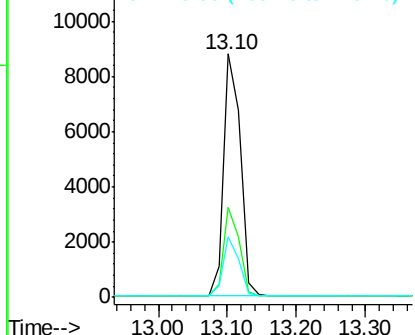
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.0	42.0
170	25.1	17.7	26.5

Manual Integrations
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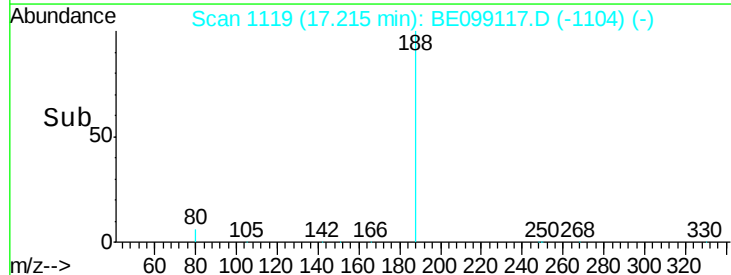
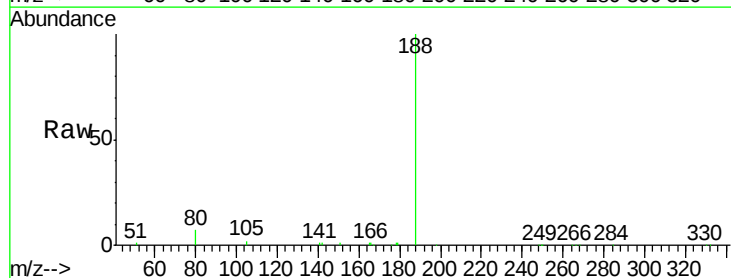
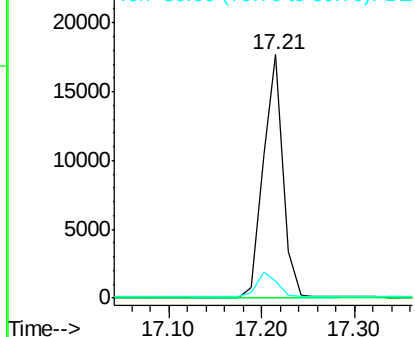
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

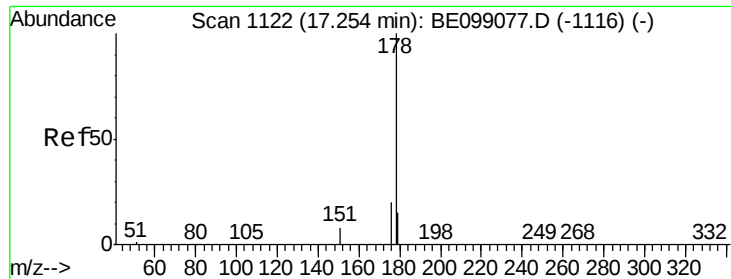


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	6.3	9.5

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





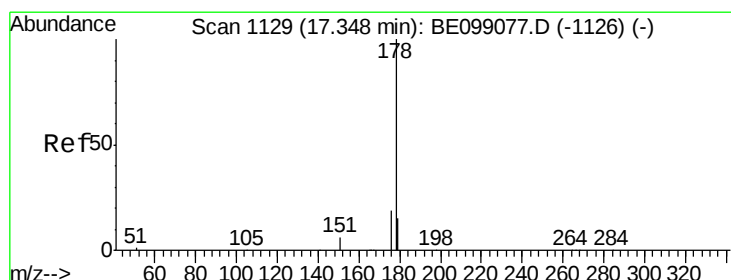
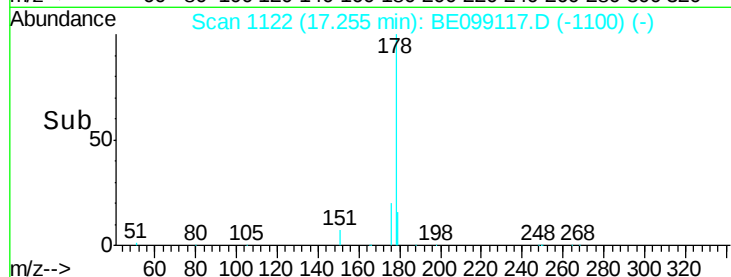
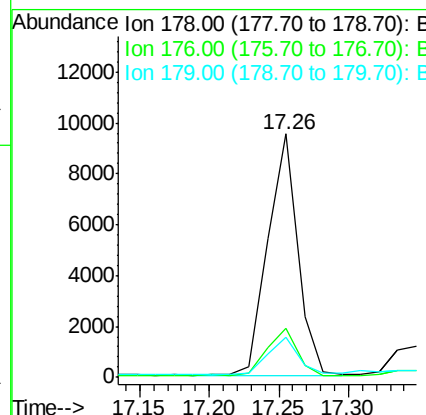
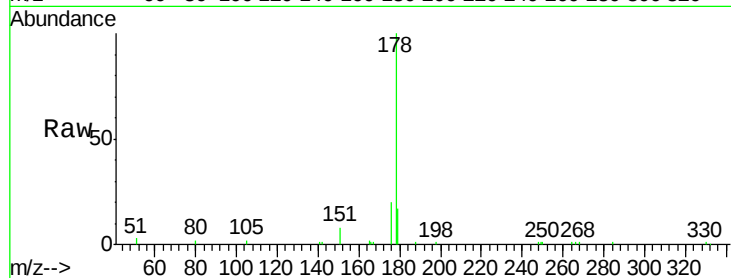
#23
Phenanthrene
Concen: 0.184 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	16.1	12.1	18.1

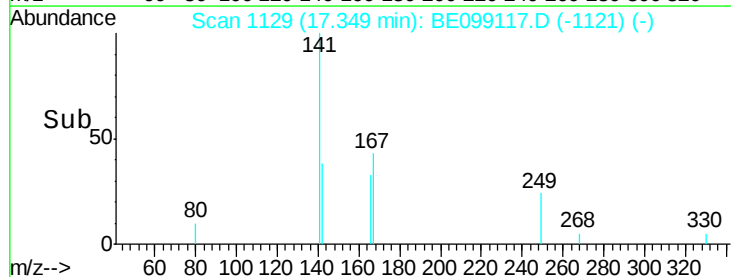
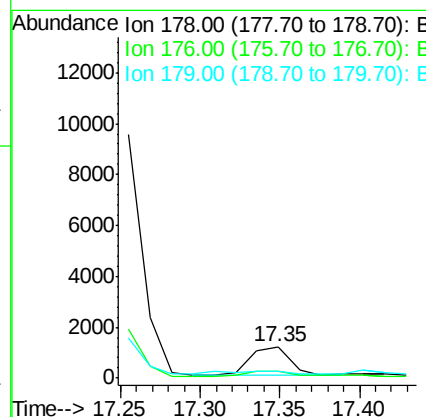
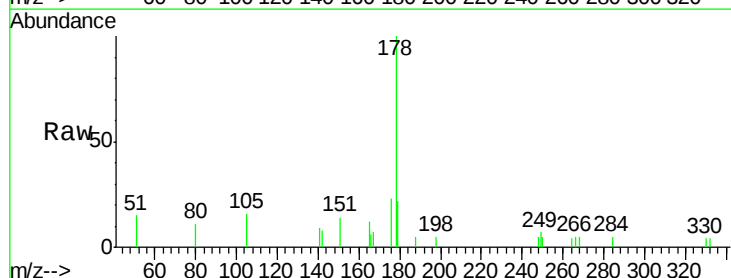
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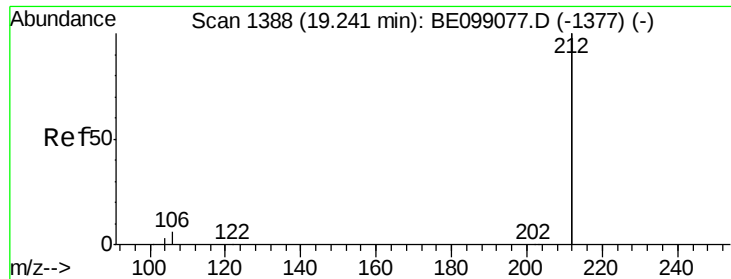
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#24
Anthracene
Concen: 0.025 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	20.3	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.421 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

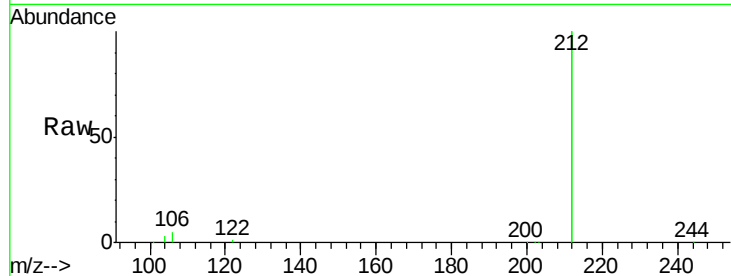
ClientSampleId :

PST-026-SW042-031919

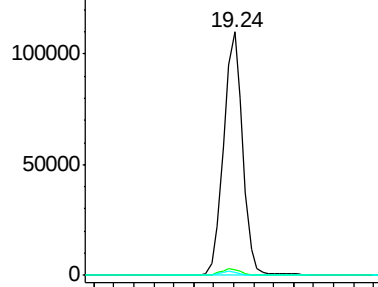
Tot Ion:	212	Resp:	146035
Ion Ratio	Lower	Upper	
212	100		
106	2.7	1.8	2.8
104	1.5	1.0	1.6

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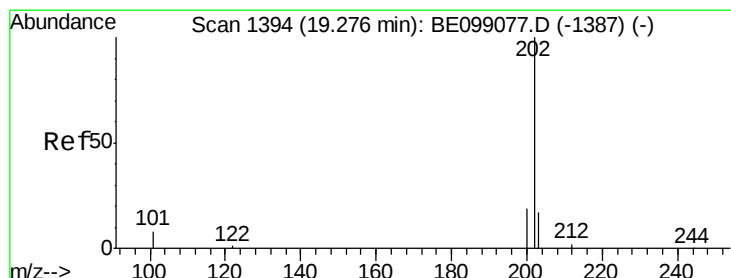
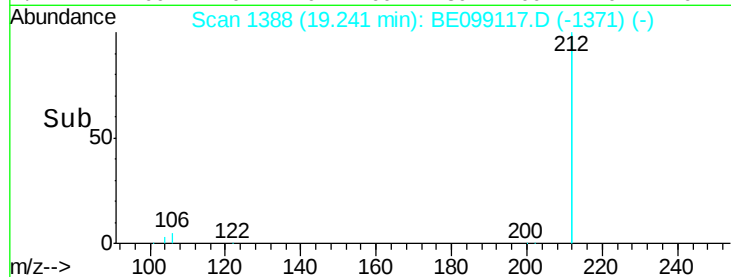
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time--> 19.10 19.20 19.30



#26

Fluoranthene

Concen: 0.209 ng

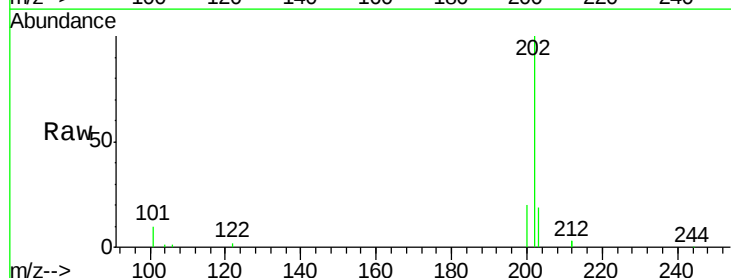
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

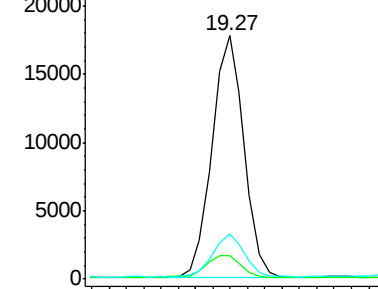
Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

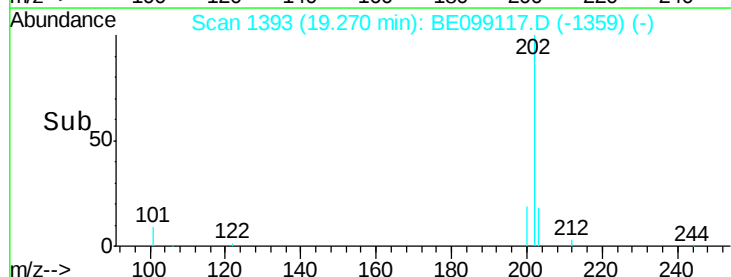
Tgt Ion:	202	Resp:	22759
Ion Ratio	Lower	Upper	
202	100		
101	10.5	7.3	10.9
203	17.9	13.4	20.2

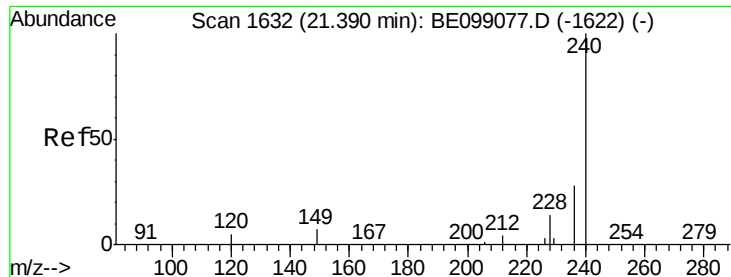


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.25 19.30





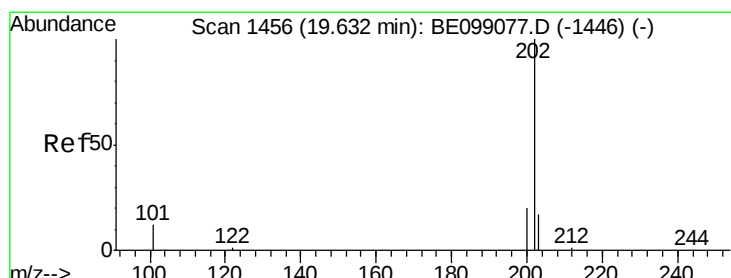
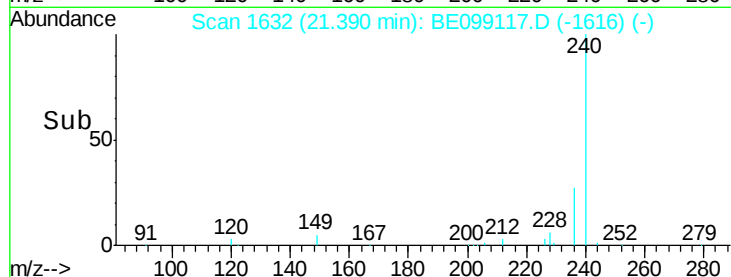
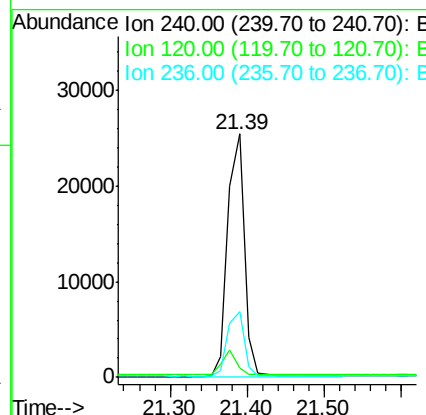
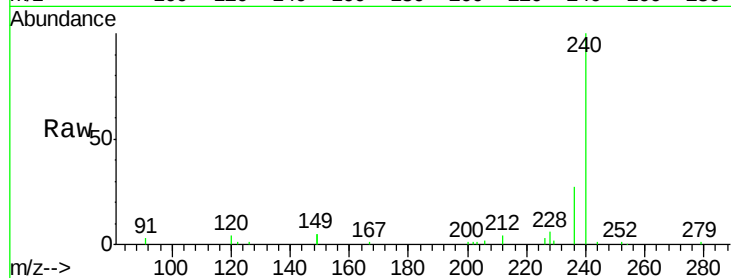
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.1	5.0	7.4#
236	27.0	22.7	34.1

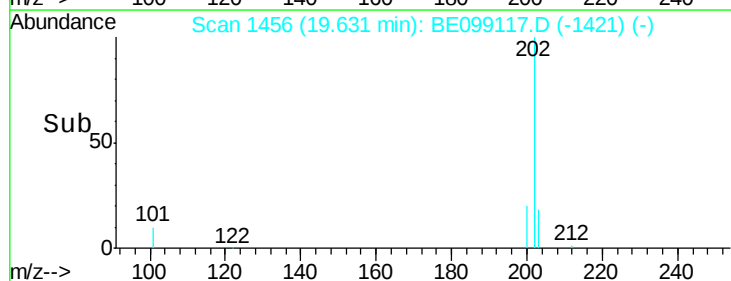
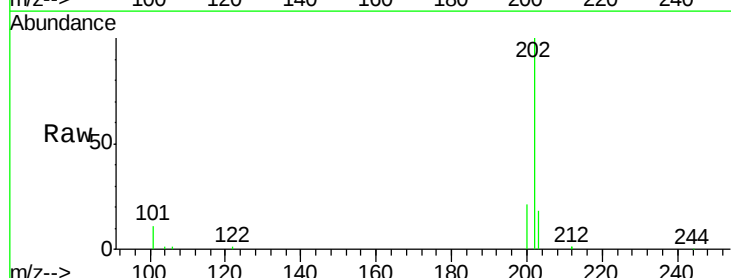
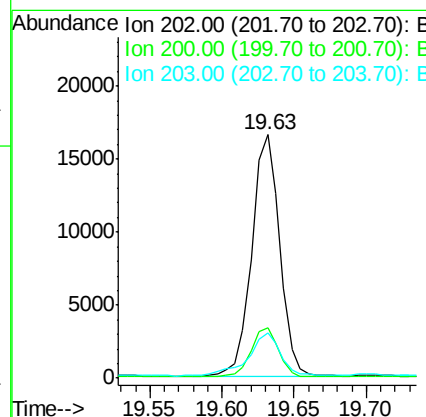
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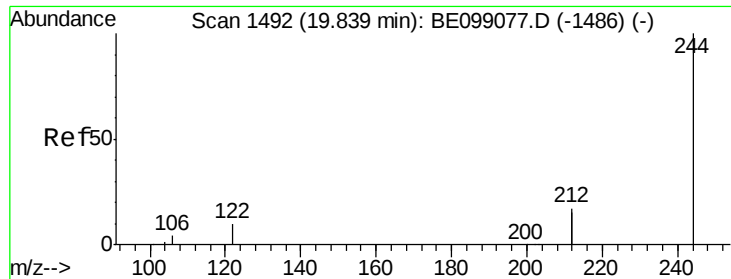
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3/25/2019 12:37:08 PM



#28
Pyrene
Concen: 0.175 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	20.6	14.2	21.2





#29

Terphenyl-d14

Concen: 0.355 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

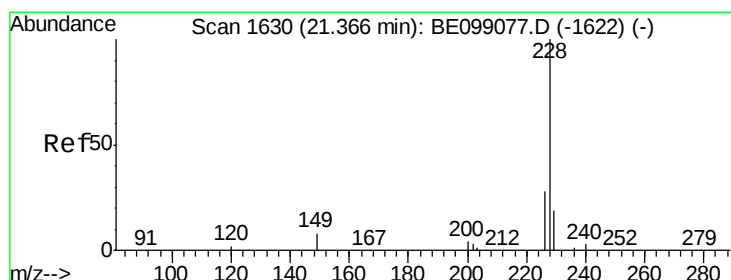
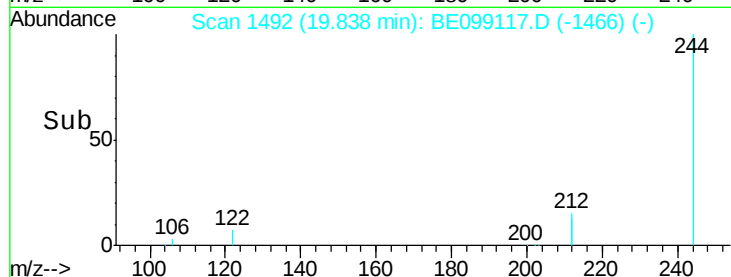
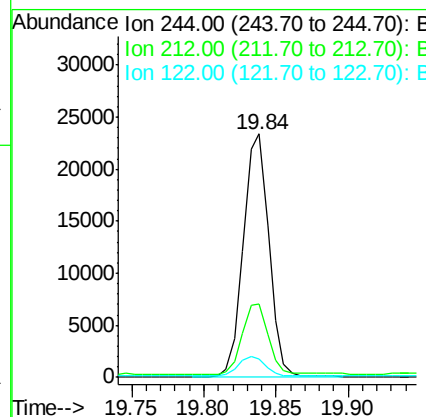
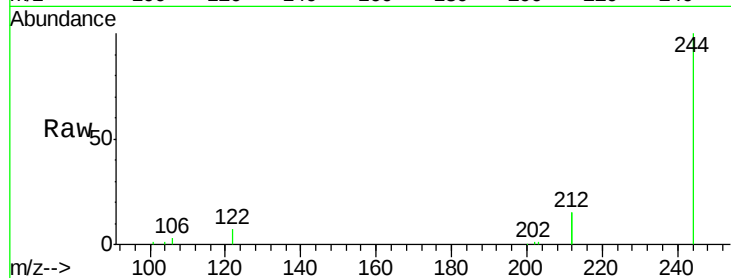
ClientSampleId :

PST-026-SW042-031919

Tot Ion:	244	Resp:	28763
Ion Ratio	Lower	Upper	
244	100		
212	29.9	29.4	44.2
122	7.4	7.1	10.7

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3/25/2019 12:37:08 PM



#30

Benzo(a)anthracene

Concen: 0.092 ng

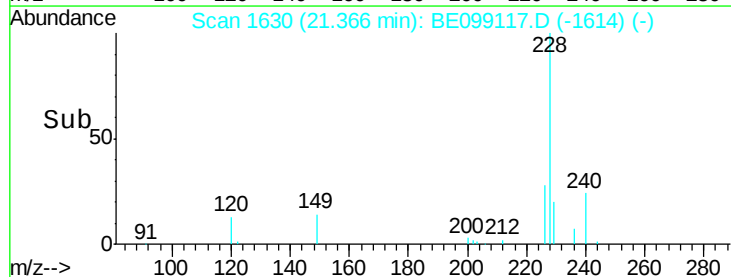
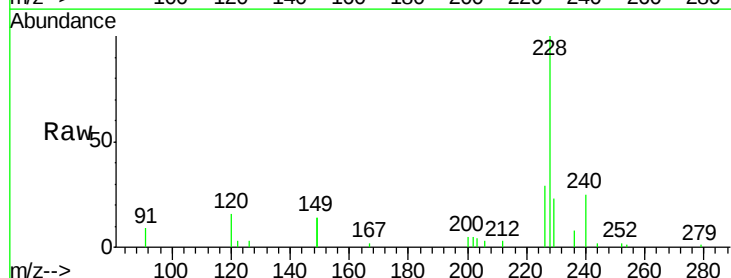
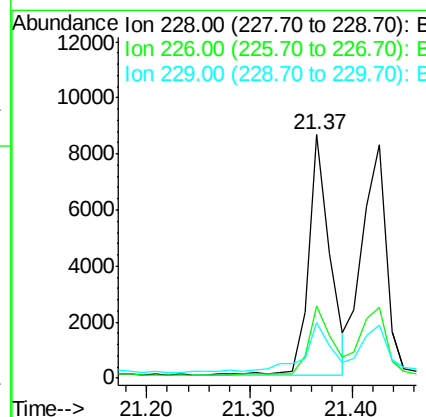
RT: 21.37 min Scan# 1630

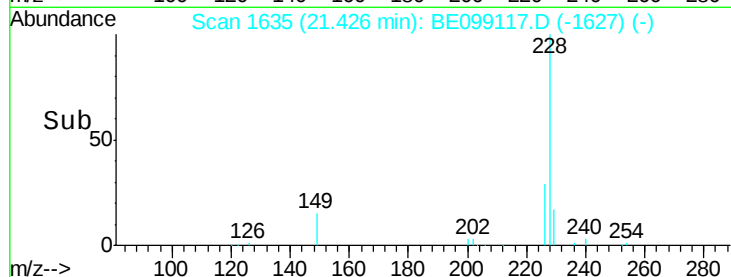
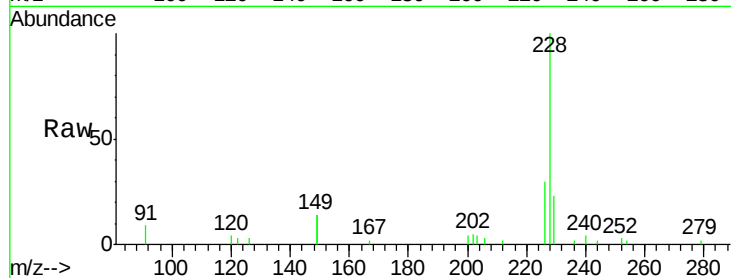
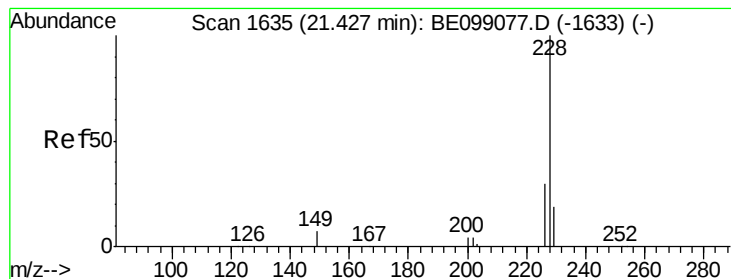
Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Tgt Ion:	228	Resp:	12391
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.0	34.4
229	22.7	16.5	24.7





#31

Chrysene

Concen: 0.098 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

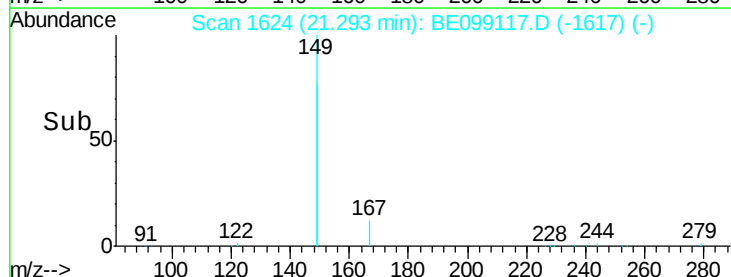
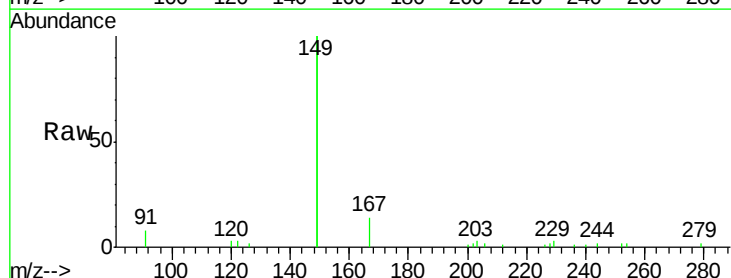
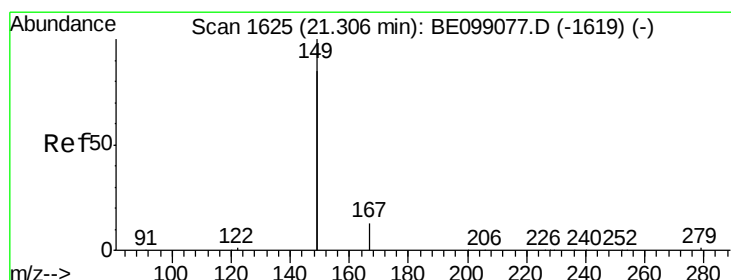
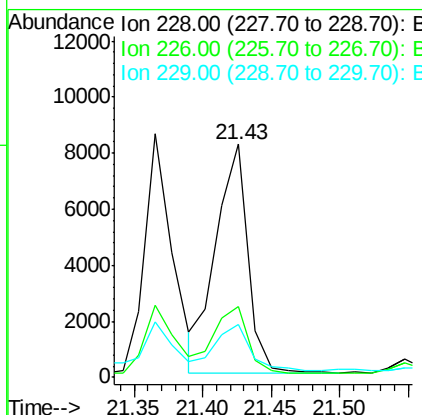
ClientSampleId :

PST-026-SW042-031919

Tot Ion:	228	Resp:	13177
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.7	35.5
229	22.7	16.1	24.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.113 ng

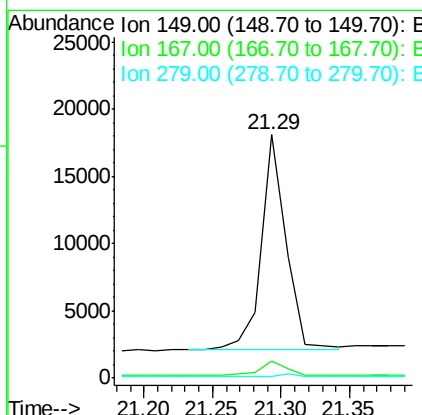
RT: 21.29 min Scan# 1624

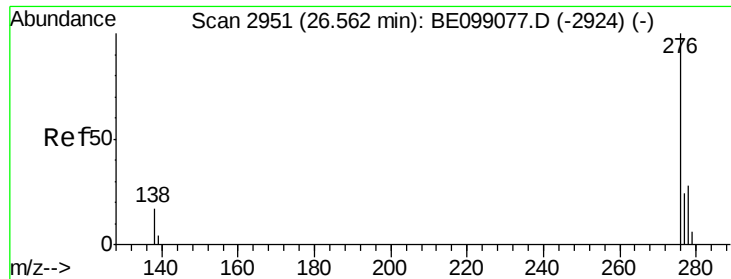
Delta R.T. -0.01 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Tgt Ion:	149	Resp:	19732
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.4	8.0
279	1.2	1.0	1.4





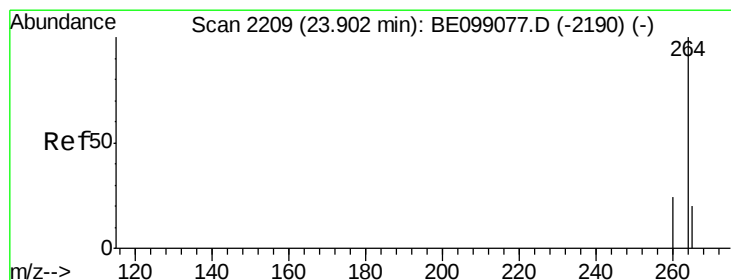
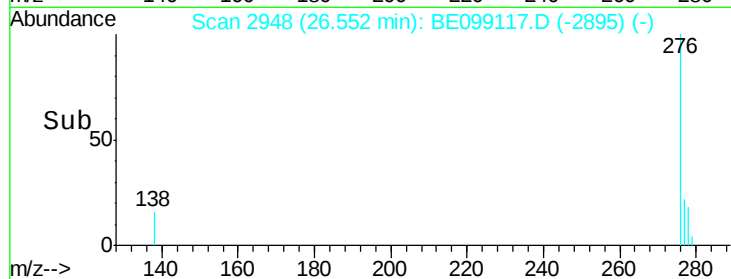
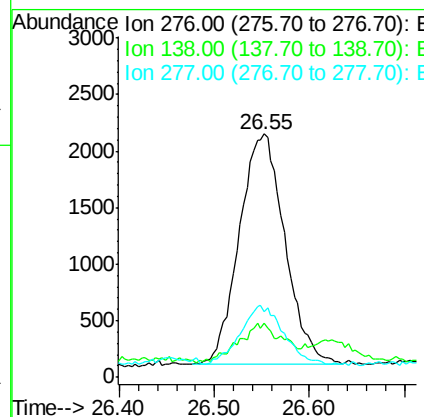
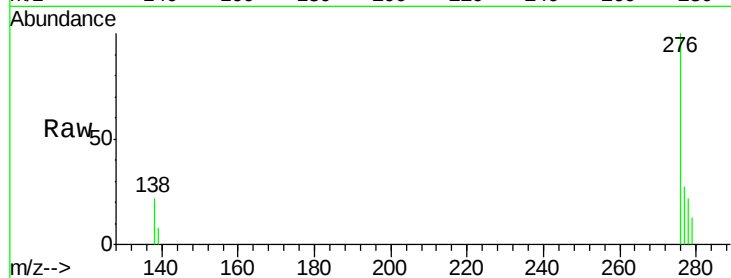
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.047 ng
RT: 26.55 min Scan# 2948
Delta R.T. -0.01 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.6	13.8	20.8#
277	23.9	19.5	29.3

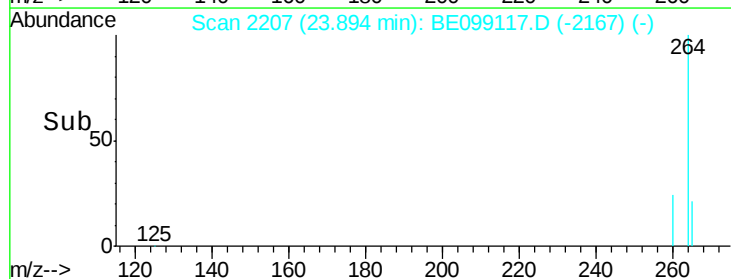
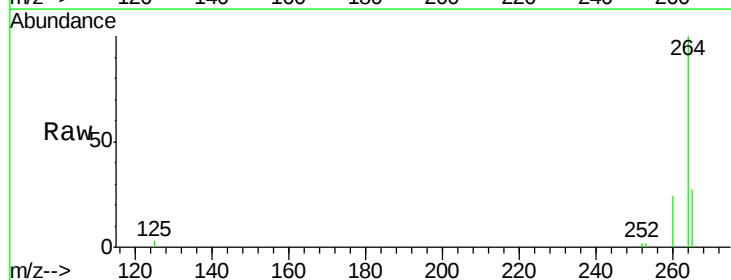
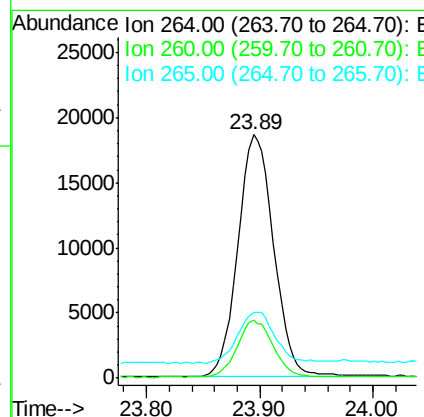
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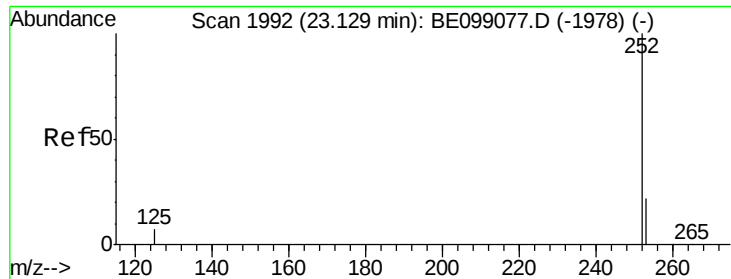
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3/25/2019 12:37:08 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	21.2	31.8
265	27.0	24.6	36.8





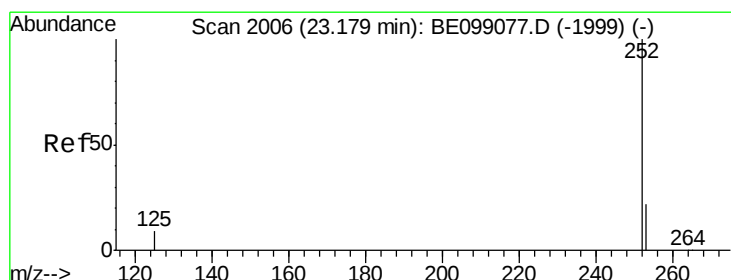
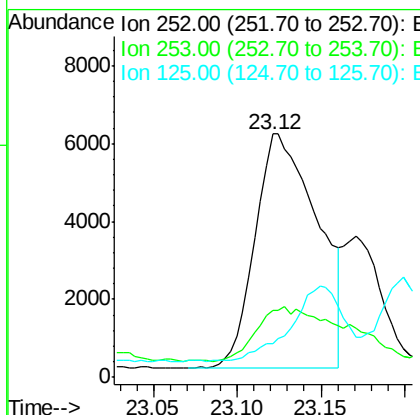
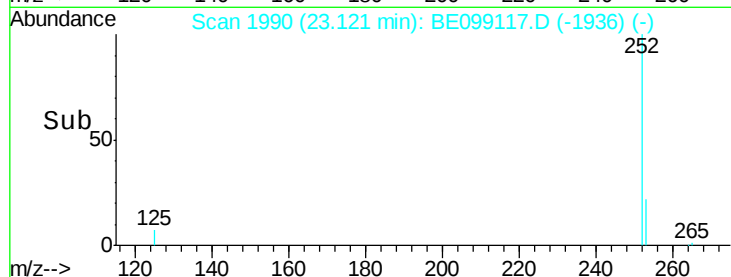
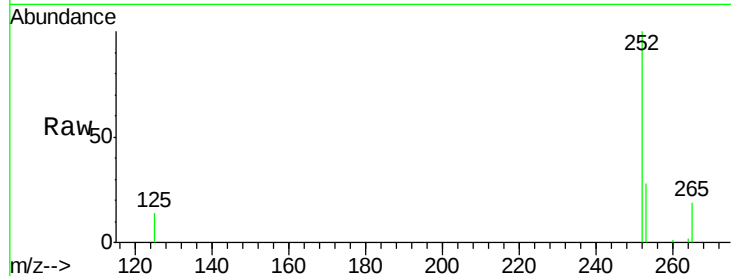
#35
Benzo(b)fluoranthene
Concen: 0.111 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.2	27.2#
125	13.7	7.3	10.9#

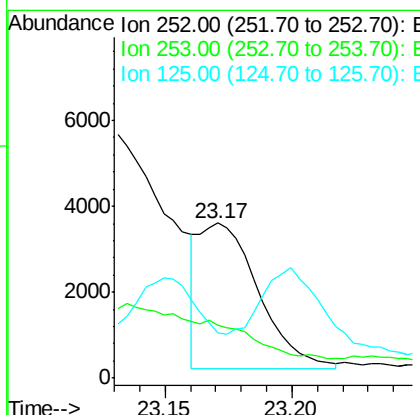
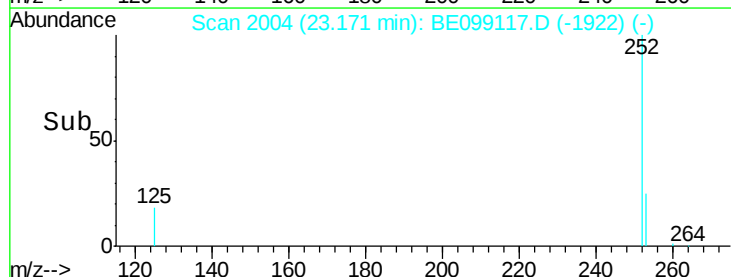
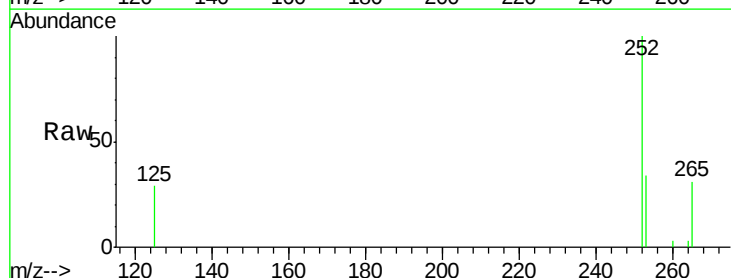
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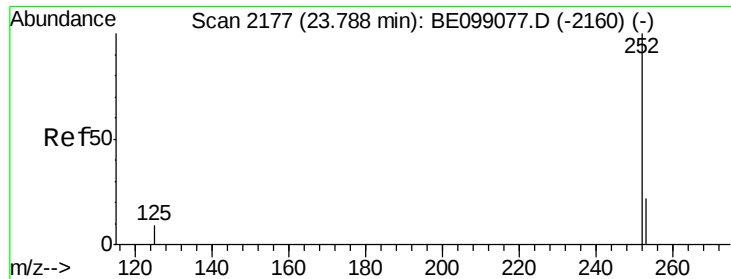
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#36
Benzo(k)fluoranthene
Concen: 0.040 ng m
RT: 23.17 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.4	19.3	28.9#
125	28.7	7.5	11.3#





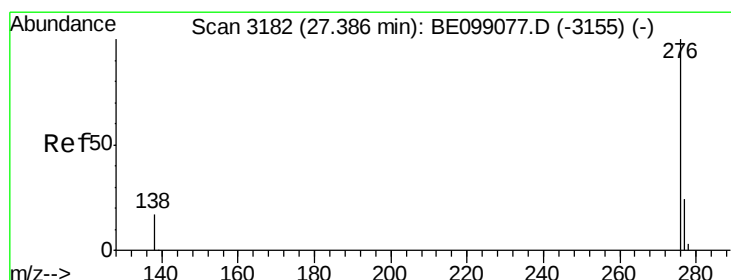
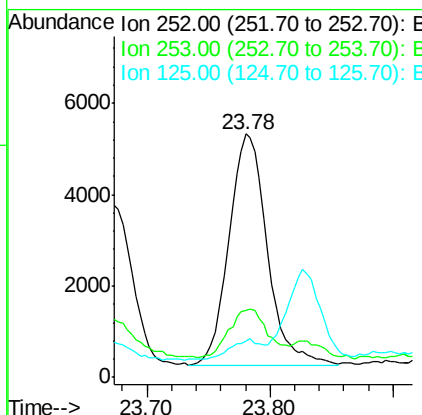
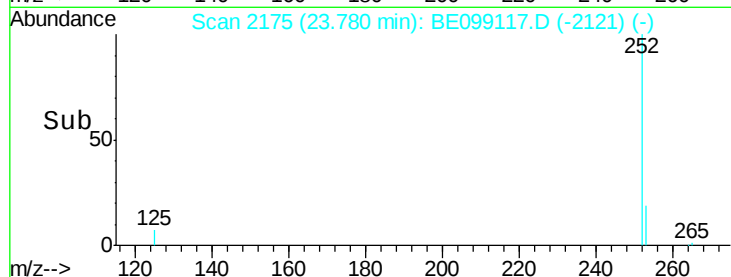
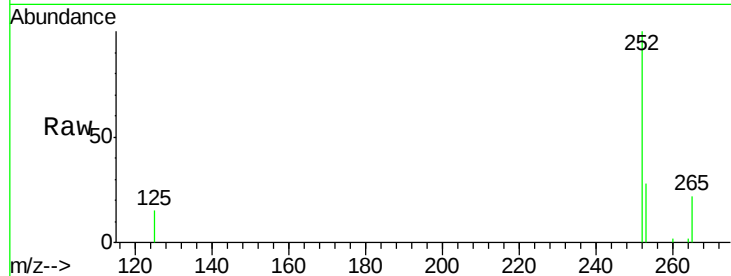
#37
Benzo(a)pyrene
Concen: 0.085 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	19.9	29.9
125	15.0	9.0	13.4

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#39
Benzo(g,h,i)perylene
Concen: 0.053 ng
RT: 27.37 min Scan# 3177
Delta R.T. -0.02 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.4	30.6
138	23.4	13.6	20.4

