

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099133.D
 Acq On : 24 Mar 2019 4:59
 Operator : JU/SJ
 Sample : K2014-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:37:38 PM

Quant Time: Mar 24 23:53:20 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	3706	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14714	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9720	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28342	0.40	ng	0.00
27) Chrysene-d12	21.38	240	39176	0.40	ng	-0.01
34) Perylene-d12	23.89	264	42649	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4825	0.44	ng	0.00
5) Phenol-d6	6.99	99	6932	0.44	ng	0.00
8) Nitrobenzene-d5	8.99	82	5241	0.81	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	8966	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	2072	0.73	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13918	0.36	ng	-0.01
25) Fluoranthene-d10	19.24	212	130502	0.35	ng	0.00
29) Terphenyl-d14	19.83	244	26045	0.31	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.20	152	2246	0.043	ng	97
23) Phenanthrene	17.25	178	18817	0.224	ng	97
24) Anthracene	17.35	178	2182	0.027	ng	# 92
26) Fluoranthene	19.27	202	39678	0.335	ng	98
28) Pyrene	19.63	202	48744	0.367	ng	97
30) Benzo(a)anthracene	21.37	228	24163	0.175	ng	96
31) Chrysene	21.42	228	24732	0.179	ng	93
32) Bis(2-ethylhexyl)phthalate	21.29	149	31624	0.177	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	13422	0.091	ng	97
35) Benzo(b)fluoranthene	23.12	252	26870	0.182	ng	# 85
36) Benzo(k)fluoranthene	23.17	252	9910m	0.069	ng	
37) Benzo(a)pyrene	23.78	252	21187	0.155	ng	# 97
38) Dibenzo(a,h)anthracene	26.57	278	3801	0.029	ng	# 55
39) Benzo(g,h,i)perylene	27.36	276	15264	0.112	ng	96

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

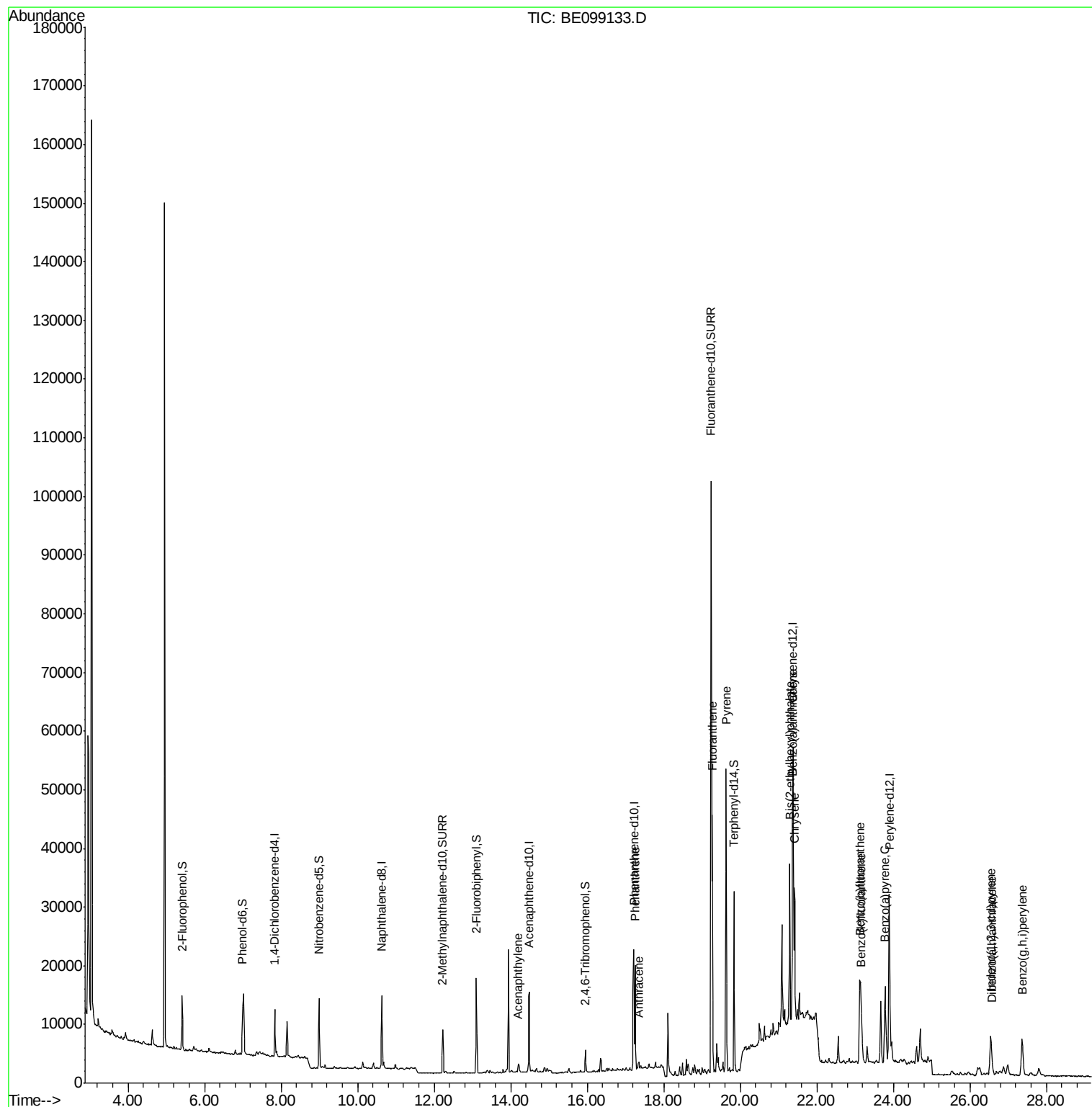
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#1

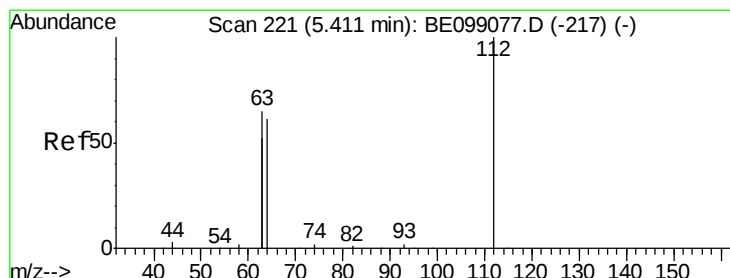
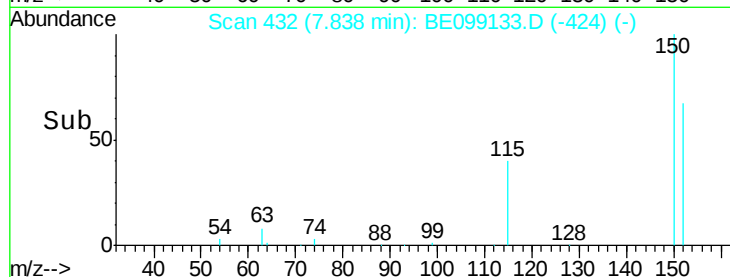
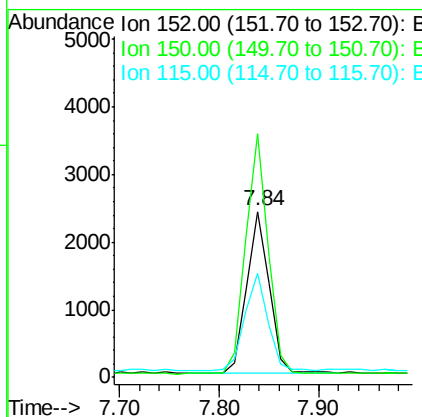
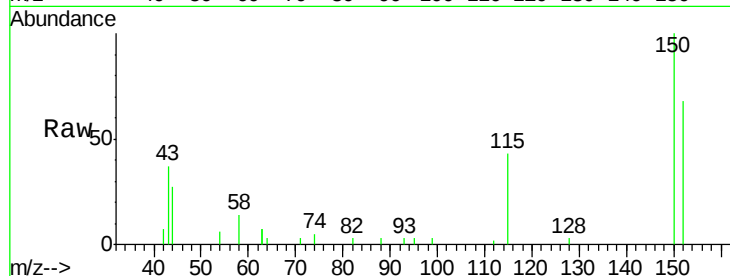
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.0	122.5	183.7
115	63.0	57.4	86.2

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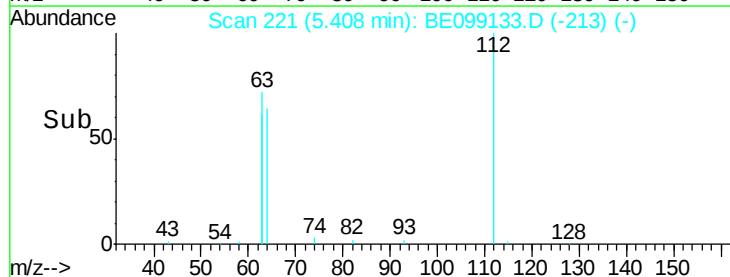
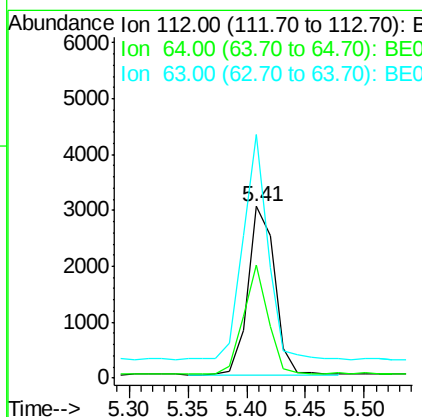
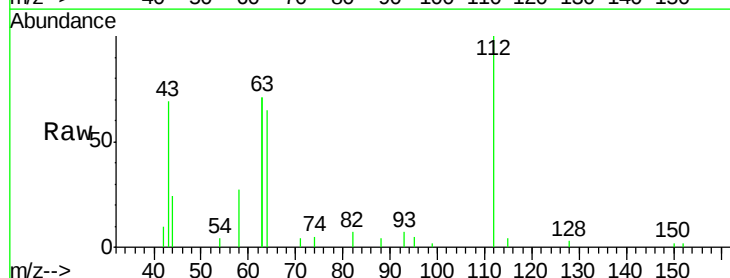
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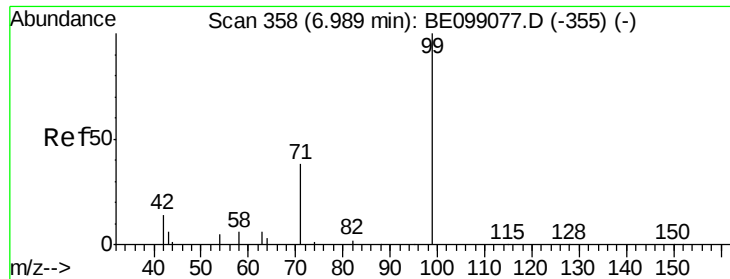


#4

2-Fluorophenol
Concen: 0.437 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	57.9	86.9
63	122.8	158.3	237.5#





#5

Phenol-d6

Concen: 0.436 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

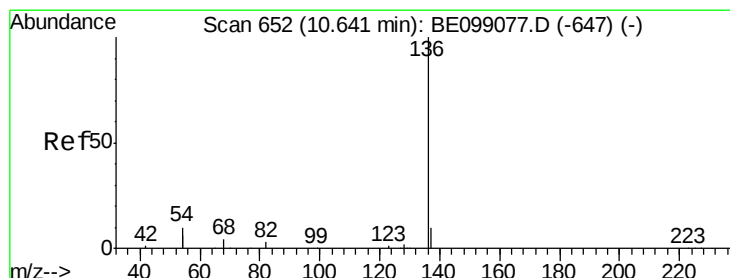
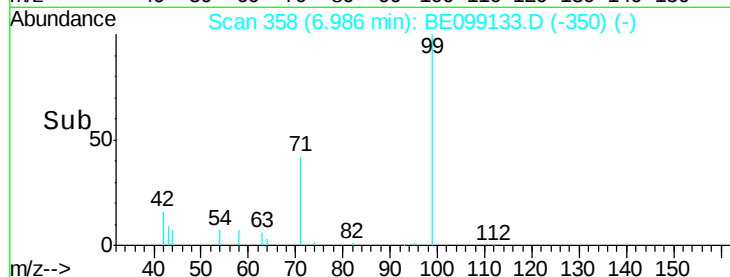
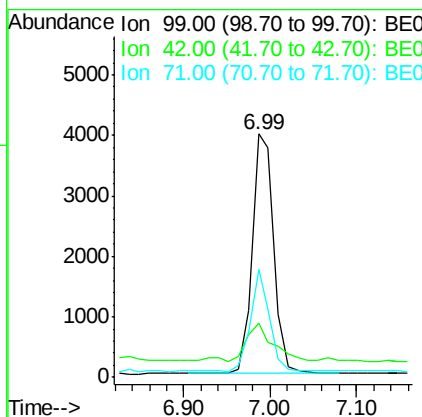
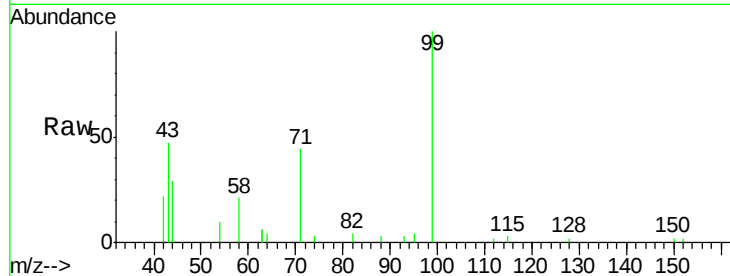
ClientSampleId :

PST-026-SW075-031819

Tot Ion:	99	Resp:	6932
Ion Ratio	Lower	Upper	
99	100		
42	20.6	24.2	36.2#
71	36.3	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

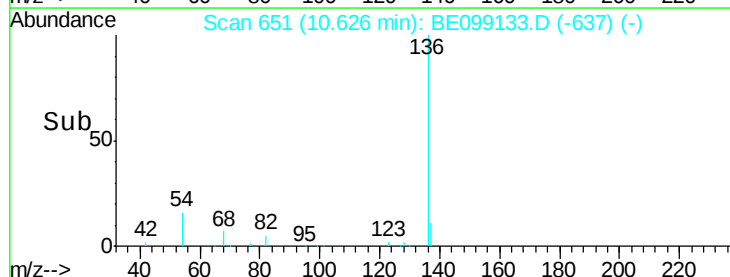
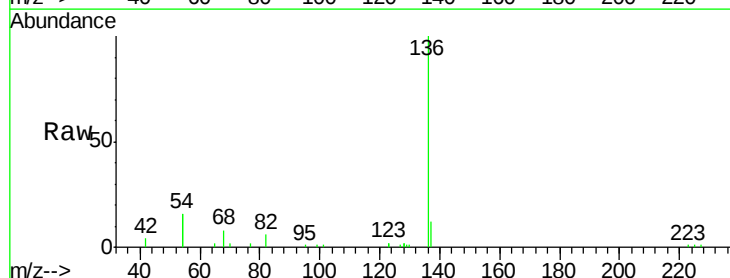
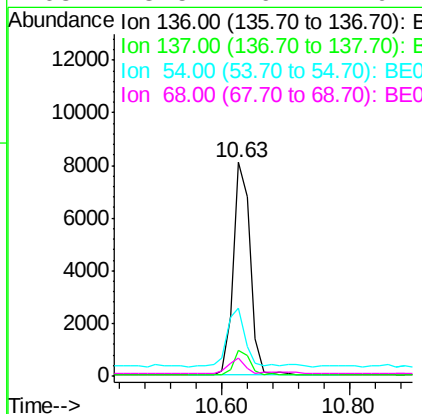
RT: 10.63 min Scan# 651

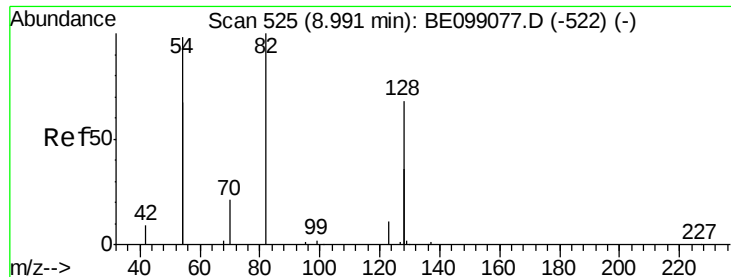
Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Tgt Ion:	136	Resp:	14714
Ion Ratio	Lower	Upper	
136	100		
137	11.9	11.4	17.0
54	32.0	39.3	58.9#
68	8.5	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.815 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

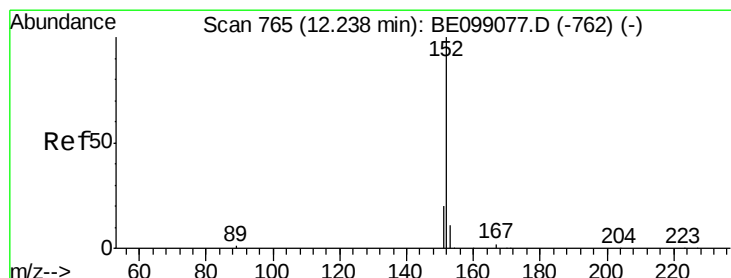
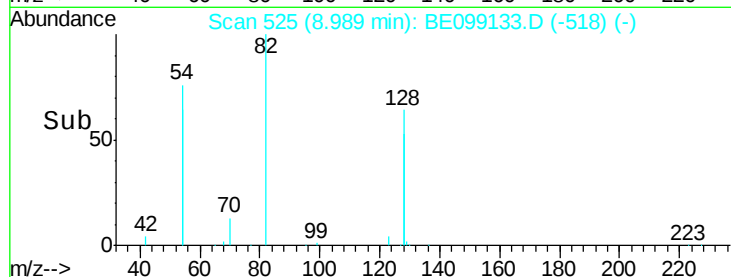
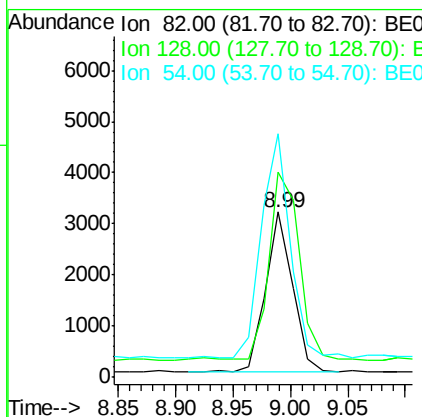
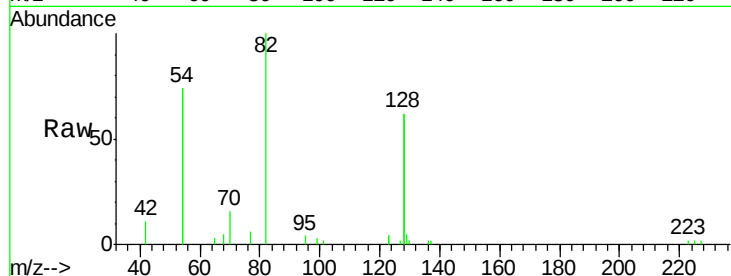
ClientSampleId :

PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
82	100		
128	123.8	123.8	185.8#
54	147.3	203.4	305.2#

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#11

2-Methylnaphthalene-d10

Concen: 0.338 ng

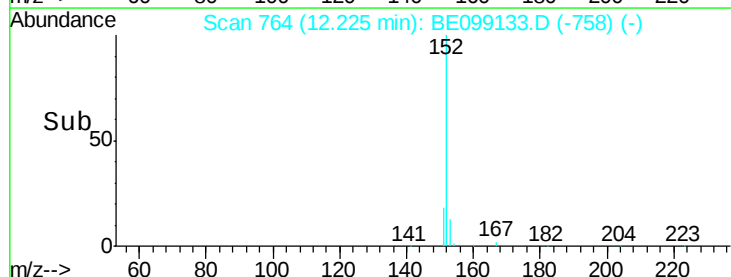
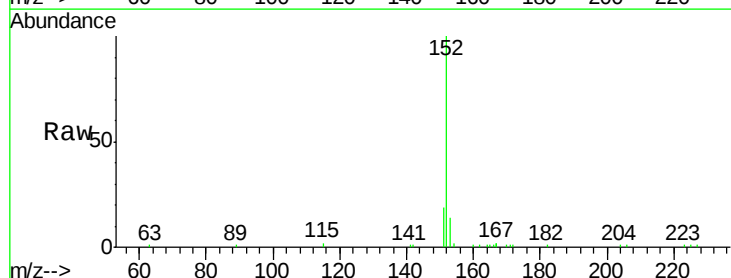
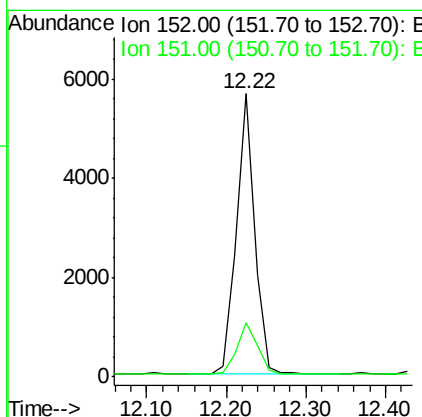
RT: 12.22 min Scan# 764

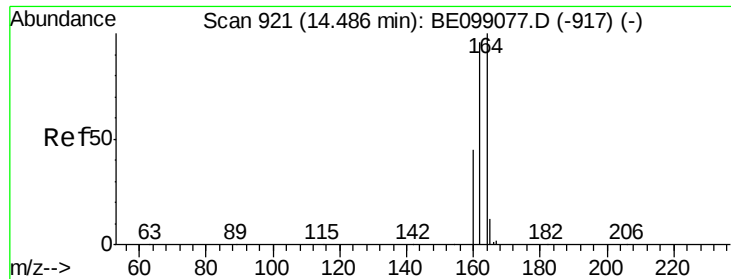
Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.5	24.7





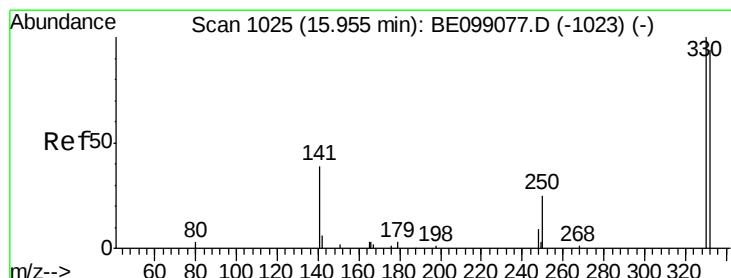
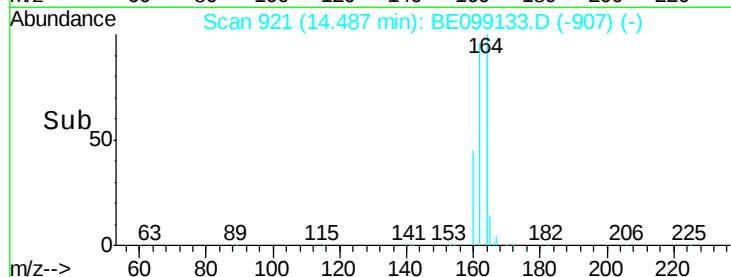
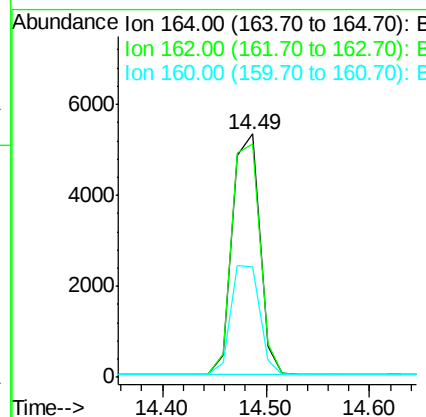
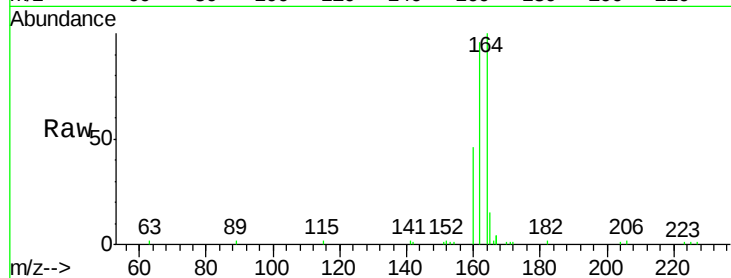
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.0	80.2	120.2
160	45.5	37.8	56.8

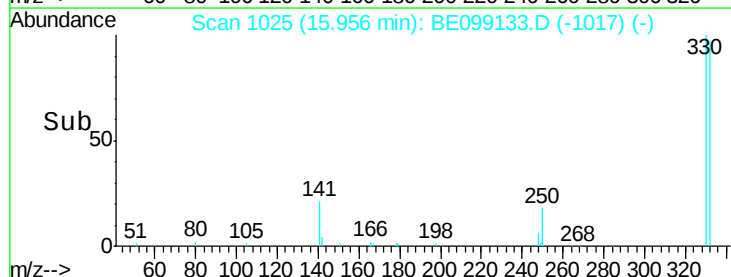
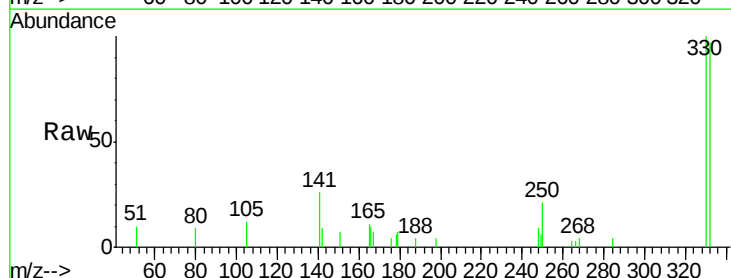
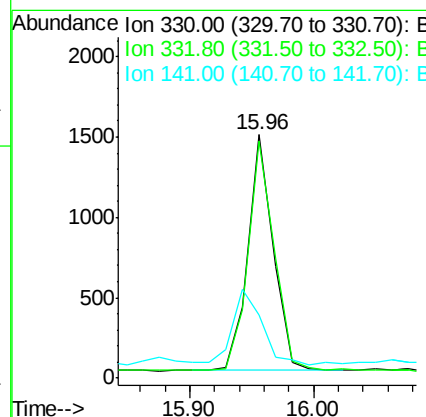
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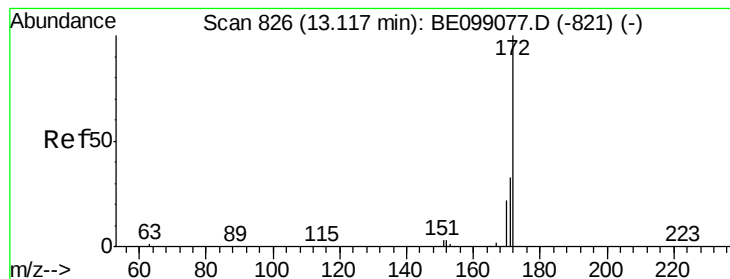
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#14
2,4,6-Tribromophenol
Concen: 0.725 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.3	77.6	116.4
141	37.3	31.0	46.4





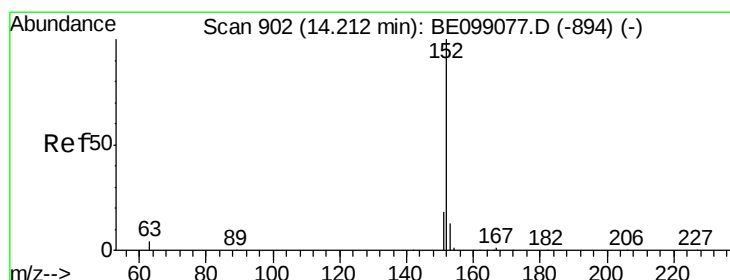
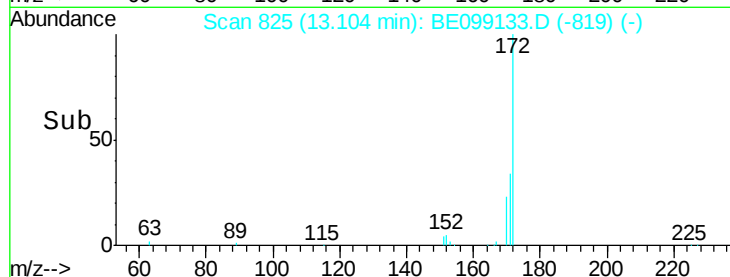
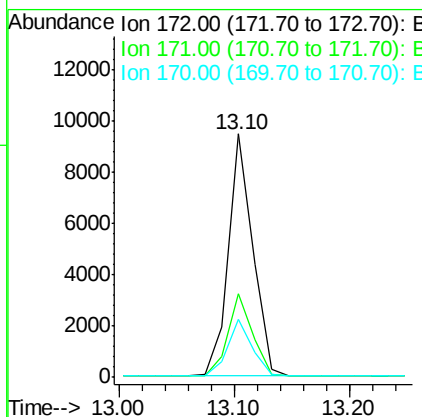
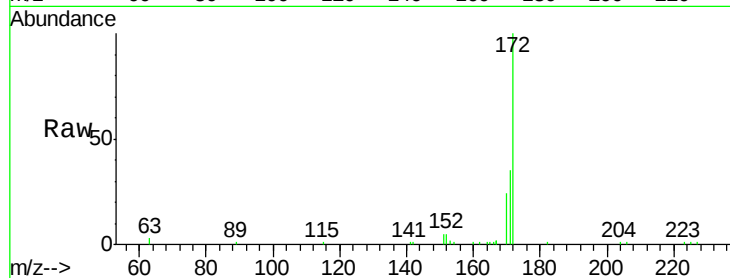
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.0	42.0
170	23.8	17.7	26.5

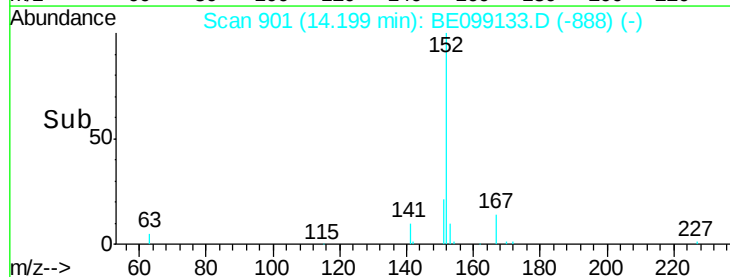
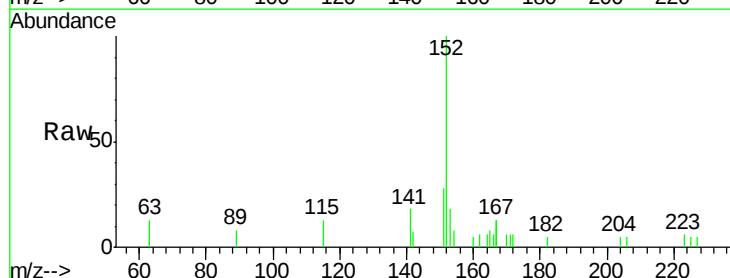
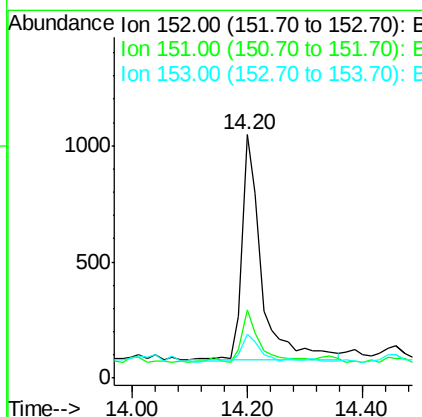
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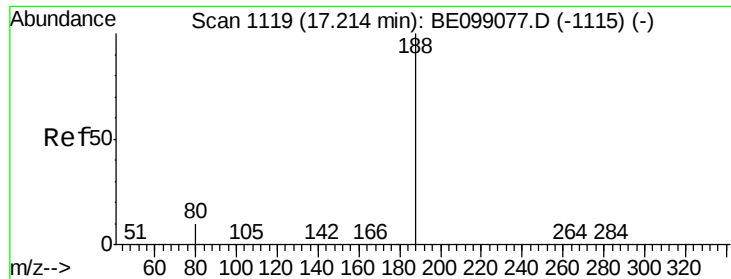
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#16
Acenaphthylene
Concen: 0.043 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	17.0	25.6
153	15.2	11.2	16.8





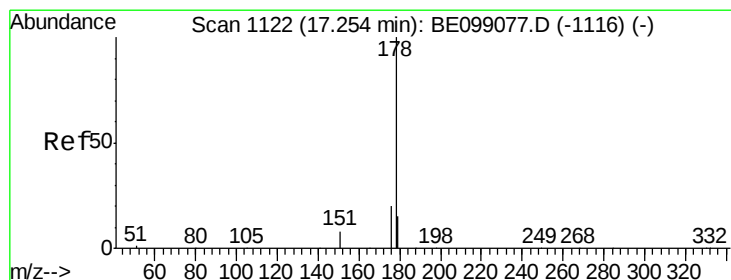
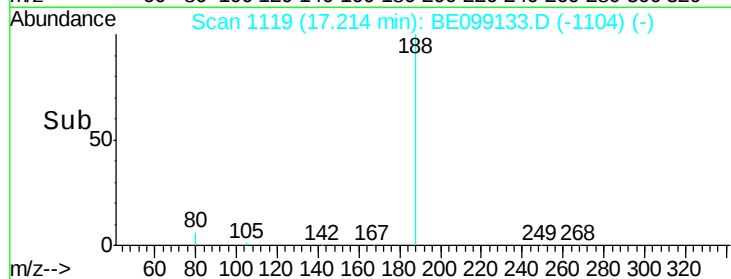
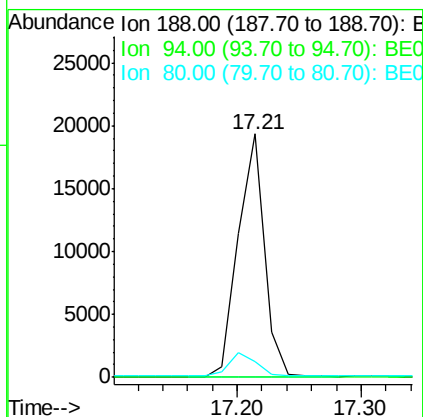
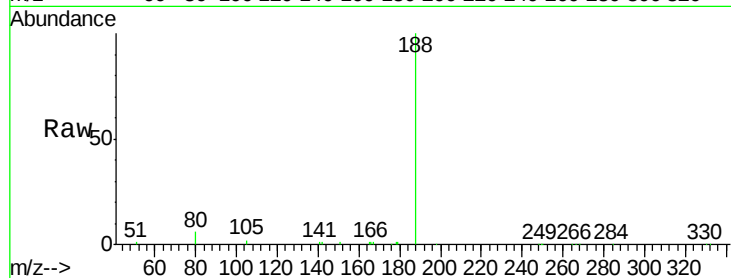
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

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

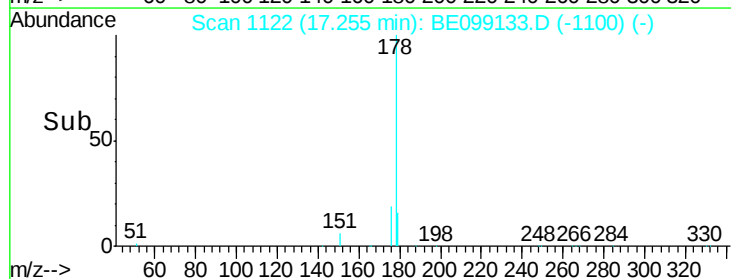
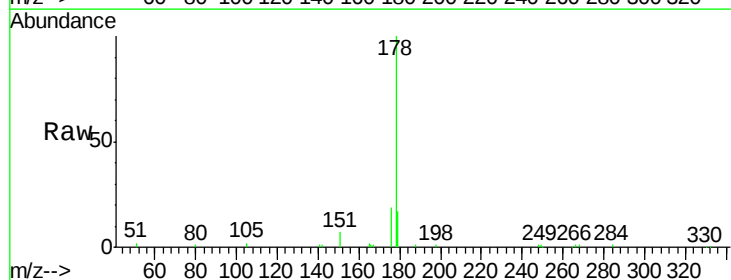
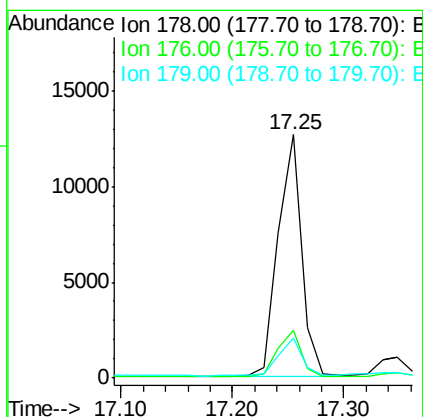
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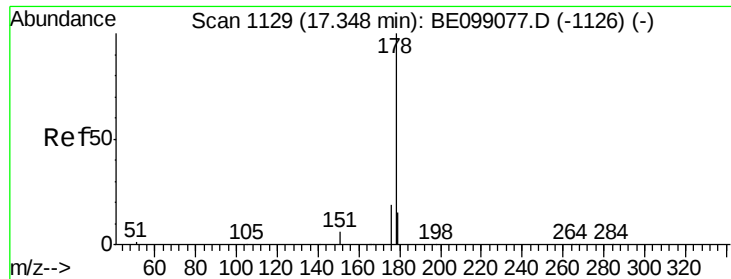
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#23
Phenanthrene
Concen: 0.224 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.0	24.0
179	16.9	12.1	18.1





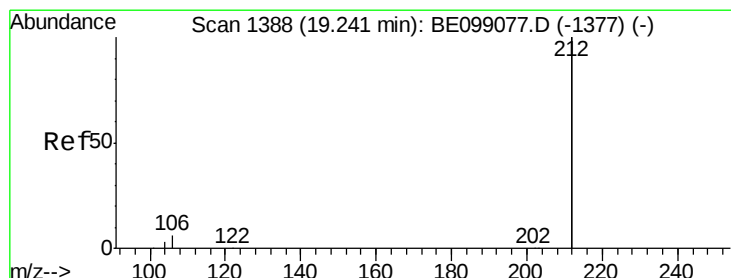
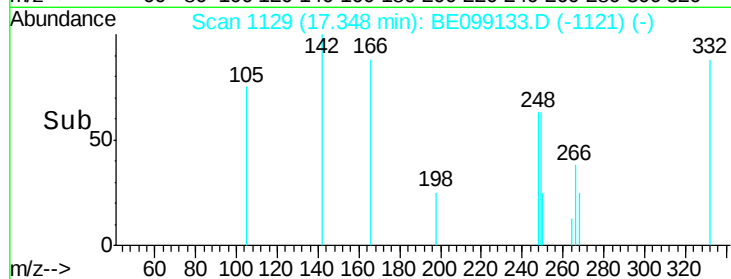
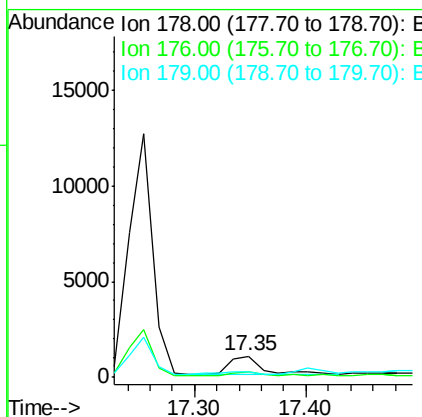
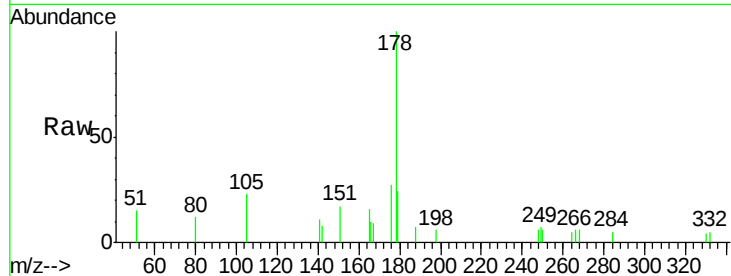
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 Anthracene
 Concen: 0.027 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.5	15.4	23.0
179	11.1	12.2	18.4

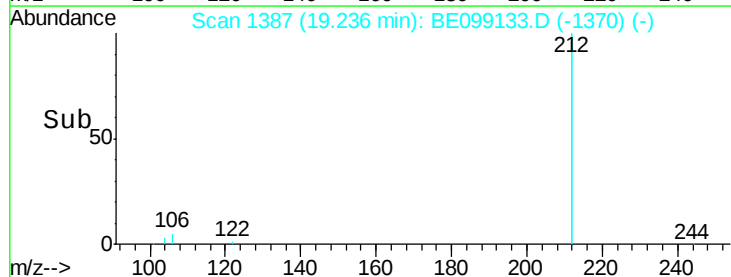
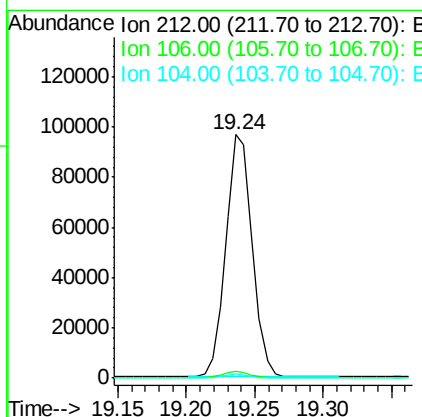
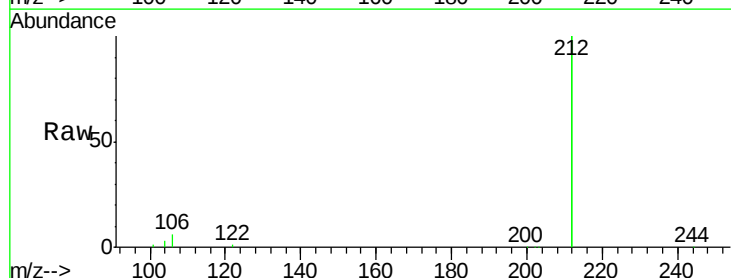
Manual Integrations
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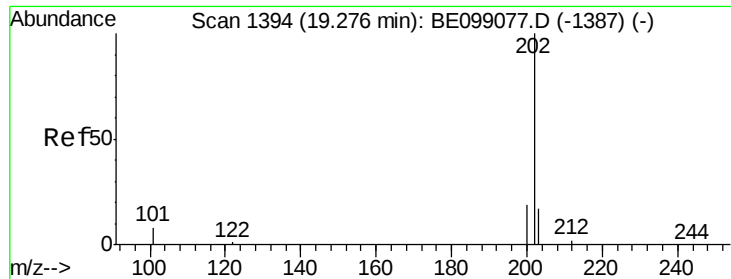
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#25
 Fluoranthene-d10
 Concen: 0.345 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.5	1.0	1.6





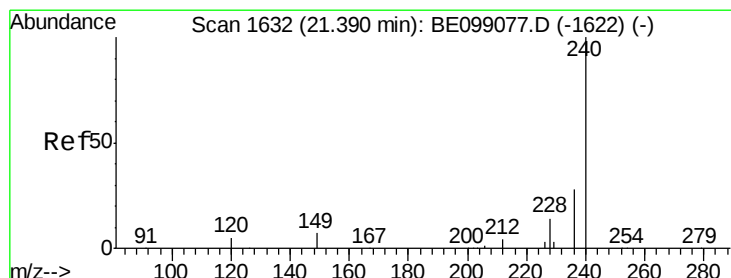
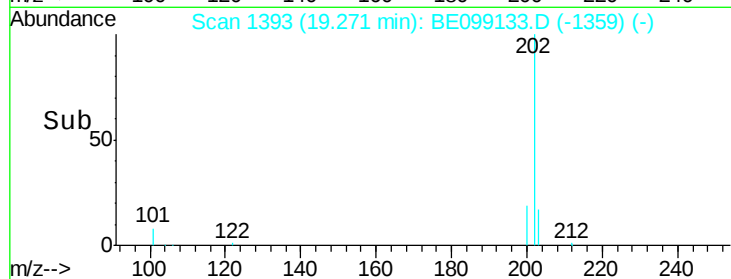
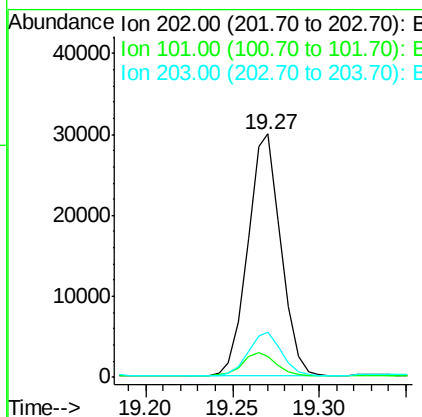
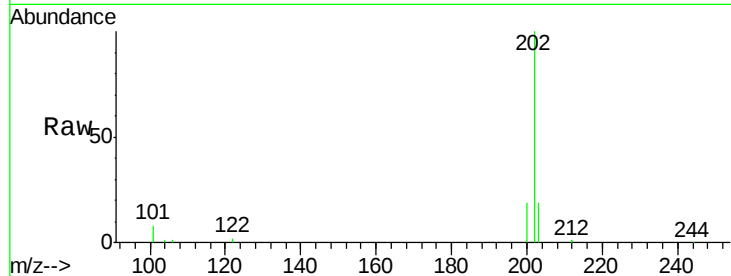
#26
Fluoranthene
Concen: 0.335 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.2	7.3	10.9
203	17.7	13.4	20.2

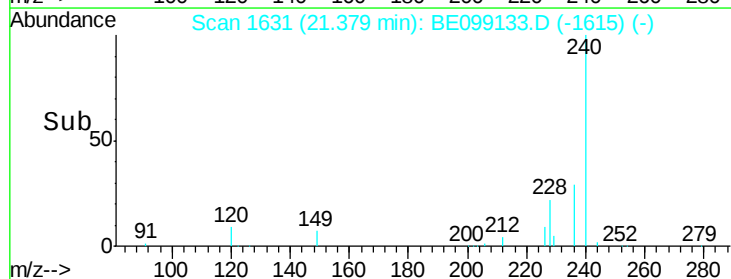
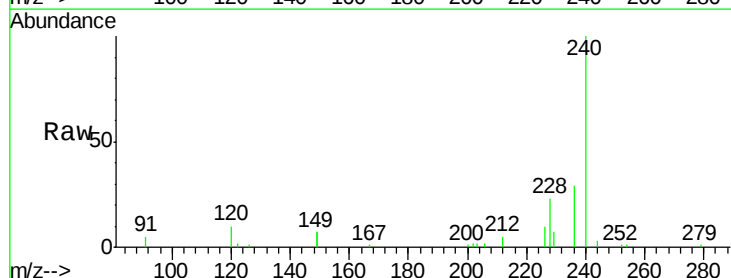
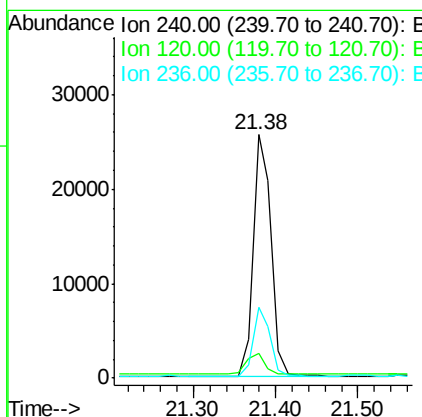
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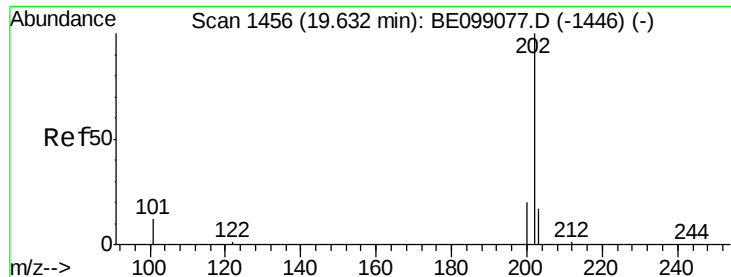
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.4	5.0	7.4#
236	29.2	22.7	34.1





#28

Pvrene

Concen: 0.367 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

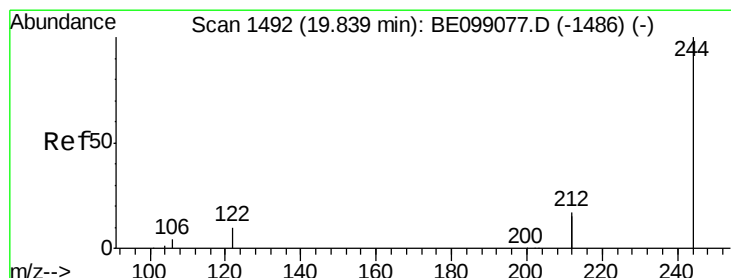
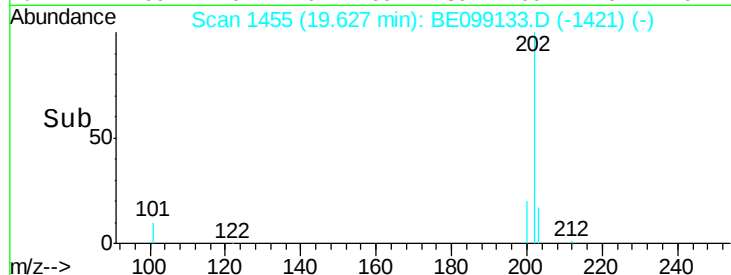
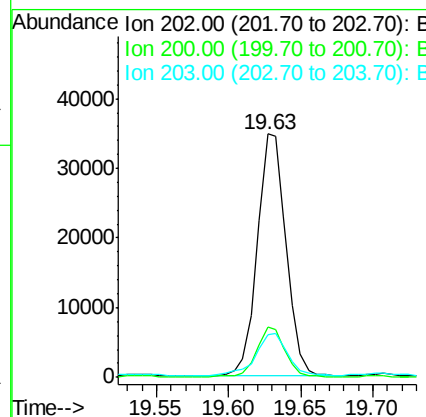
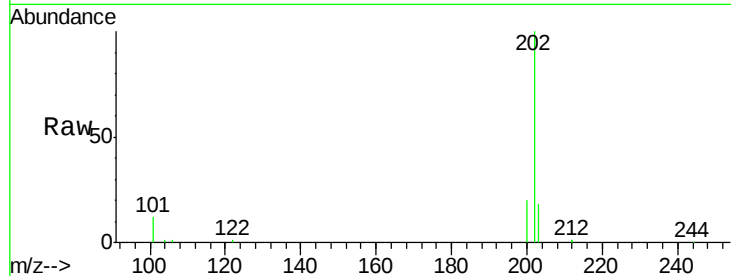
ClientSampleId :

PST-026-SW075-031819

Tot Ion:	202	Resp:	48744
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.0	25.6
203	19.5	14.2	21.2

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#29

Terphenyl-d14

Concen: 0.314 ng

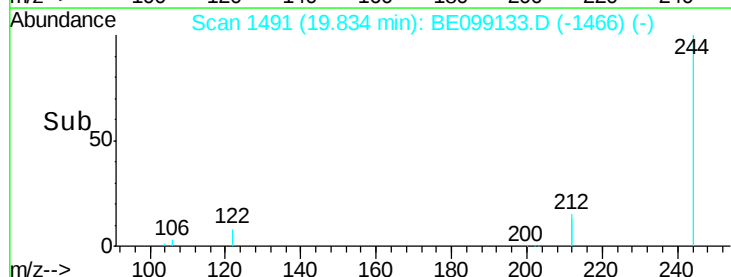
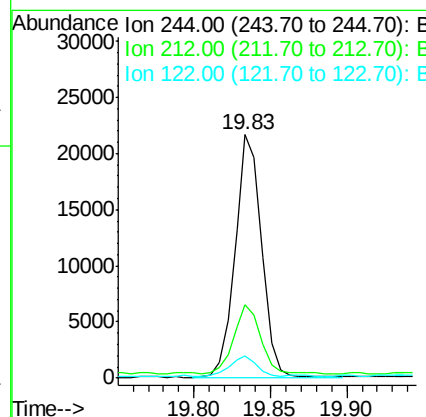
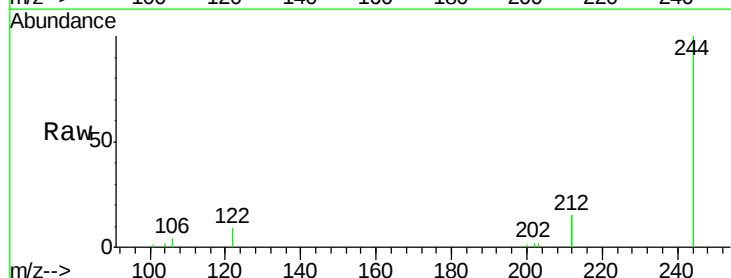
RT: 19.83 min Scan# 1491

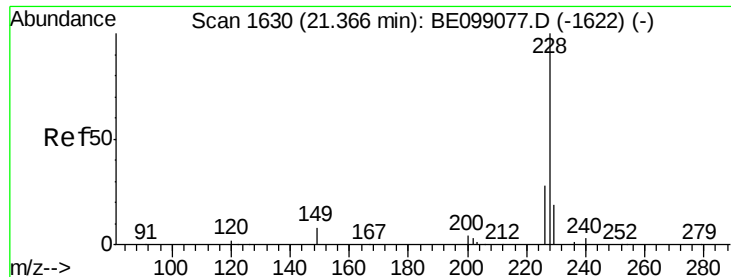
Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Tgt Ion:	244	Resp:	26045
Ion Ratio	Lower	Upper	
244	100		
212	30.3	29.4	44.2
122	9.1	7.1	10.7





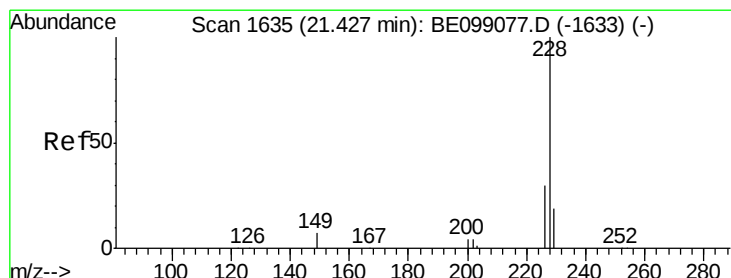
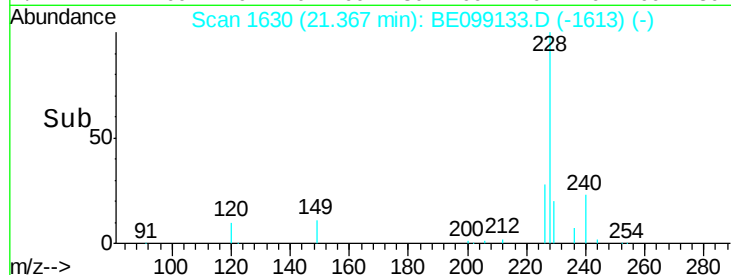
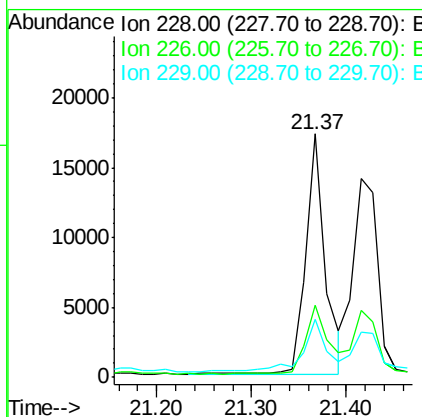
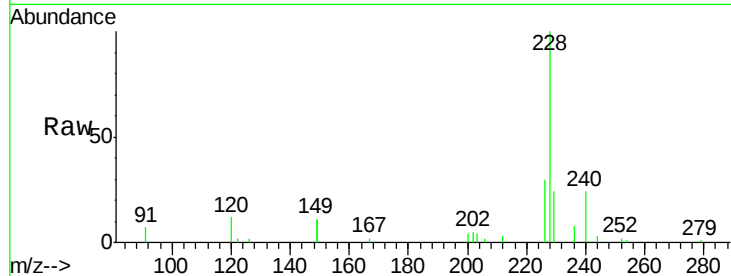
#30
Benzo(a)anthracene
Concen: 0.175 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.4
229	23.8	16.5	24.7

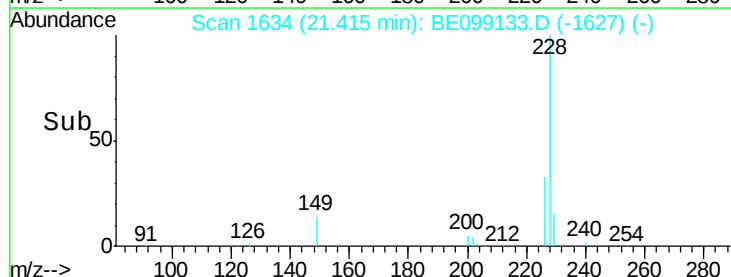
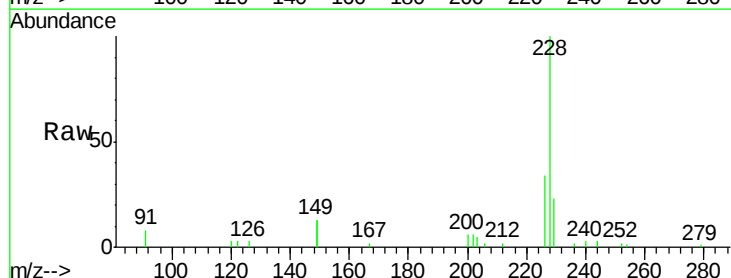
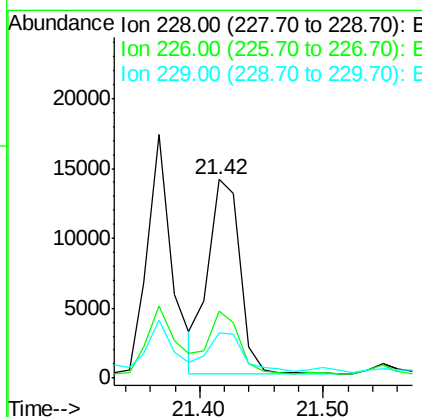
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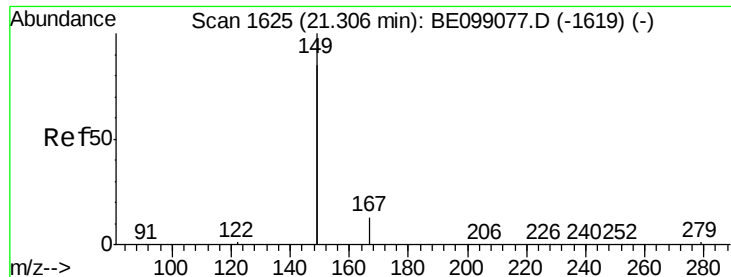
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#31
Chrysene
Concen: 0.179 ng
RT: 21.42 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.7	35.5
229	22.6	16.1	24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.177 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

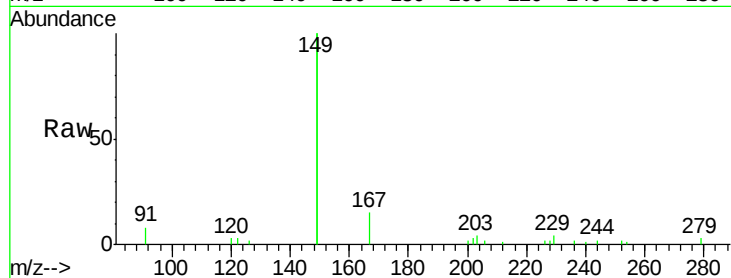
ClientSampleId :

PST-026-SW075-031819

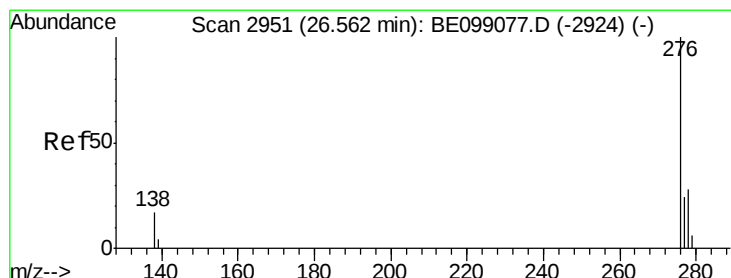
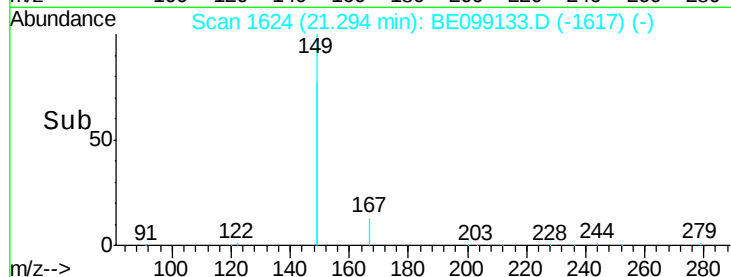
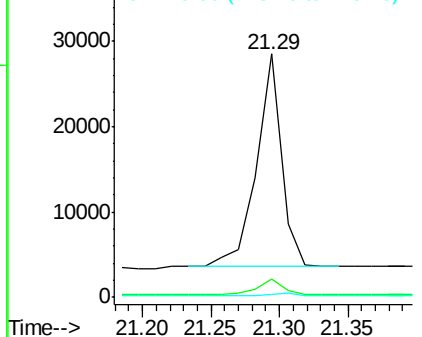
Tot Ion:	149	Resp:	31624
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.4	8.0
279	1.4	1.0	1.4#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng

RT: 26.55 min Scan# 2947

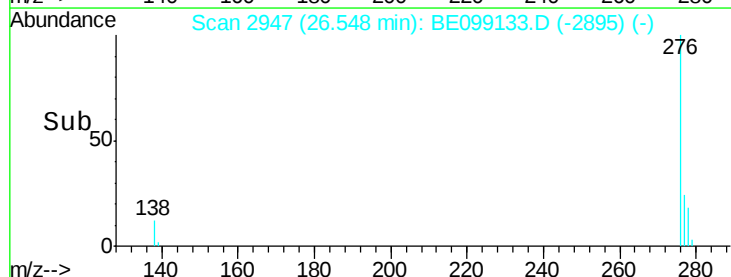
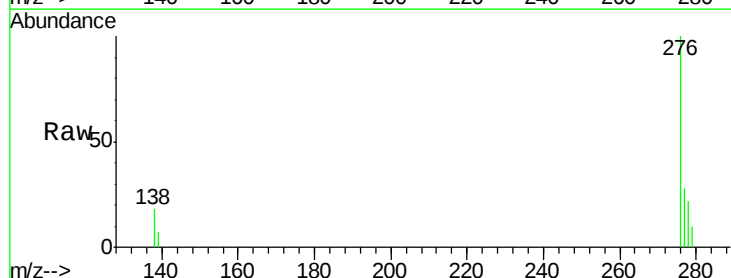
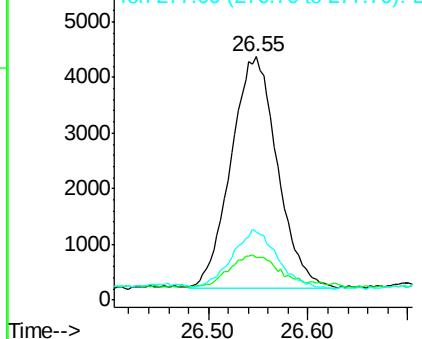
Delta R.T. -0.01 min

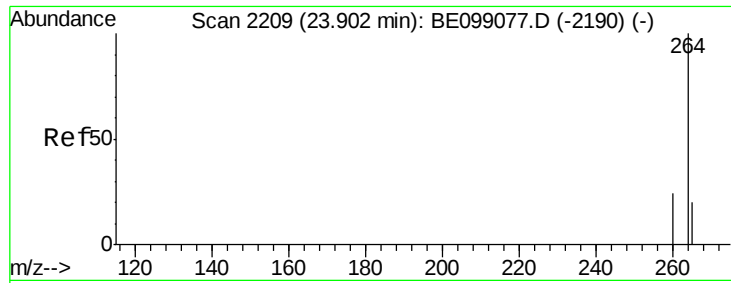
Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Tgt Ion:	276	Resp:	13422
Ion Ratio	Lower	Upper	
276	100		
138	15.5	13.8	20.8
277	25.9	19.5	29.3

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





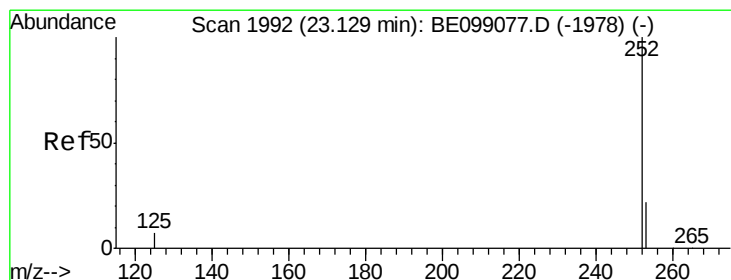
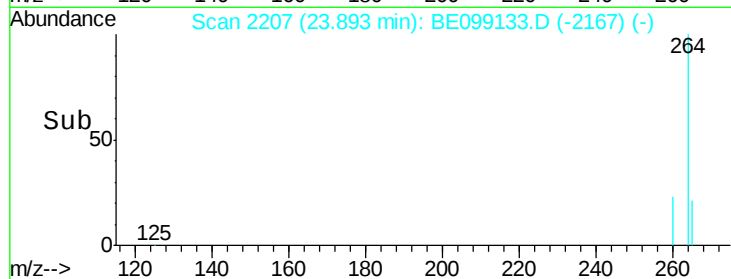
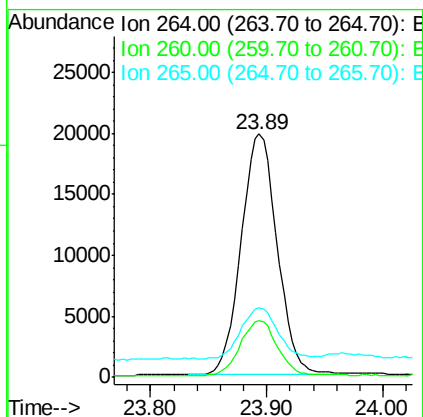
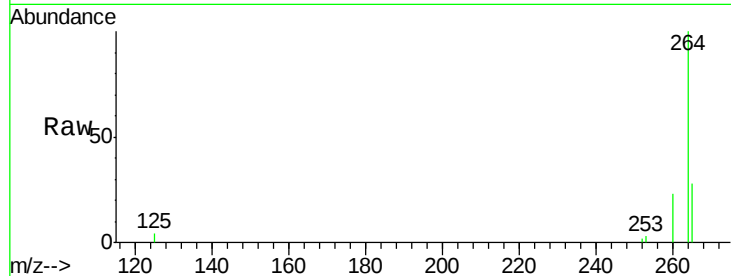
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	21.2	31.8
265	28.5	24.6	36.8

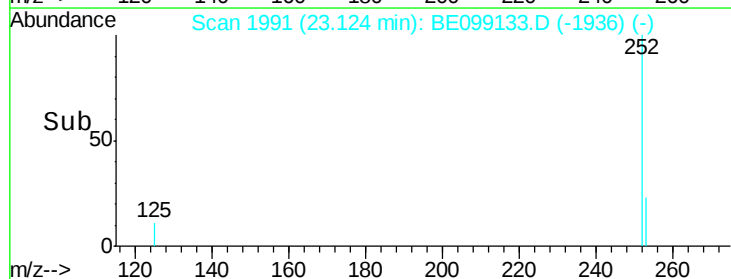
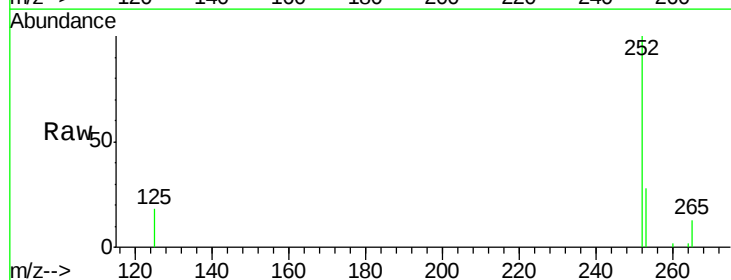
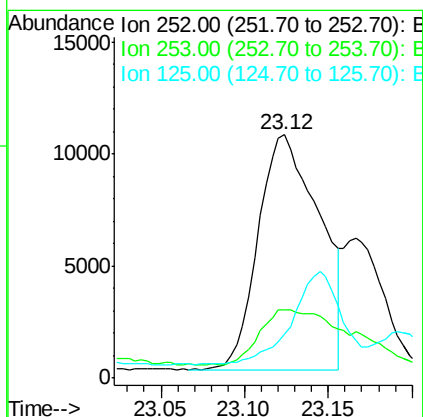
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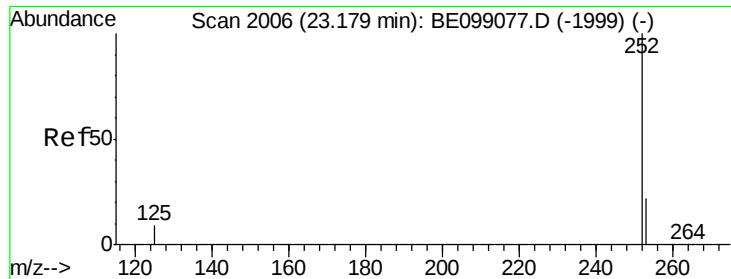
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#35
Benzo(b)fluoranthene
Concen: 0.182 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.2	27.2#
125	17.8	7.3	10.9#





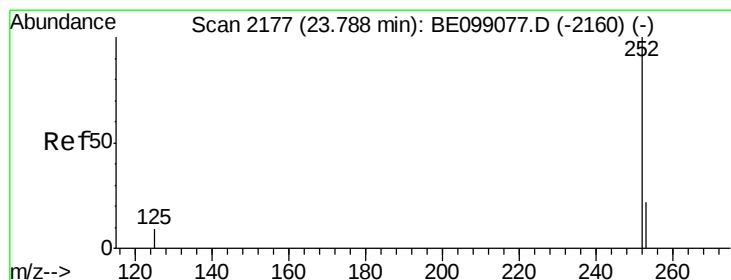
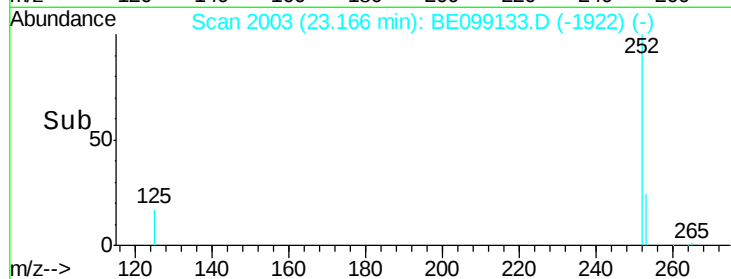
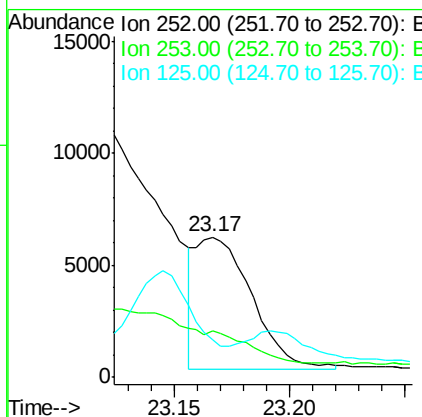
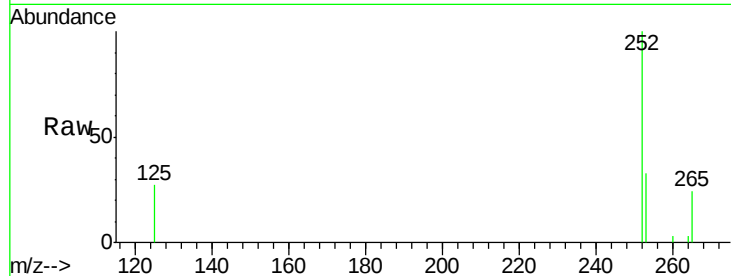
#36
Benzo(k)fluoranthene
Concen: 0.069 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.7	19.3	28.9#
125	27.2	7.5	11.3#

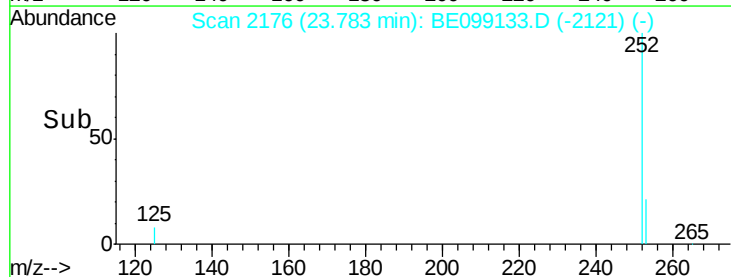
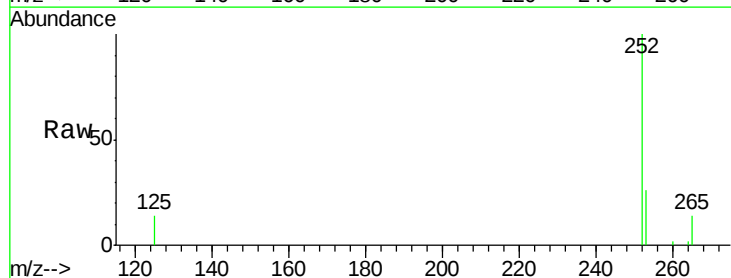
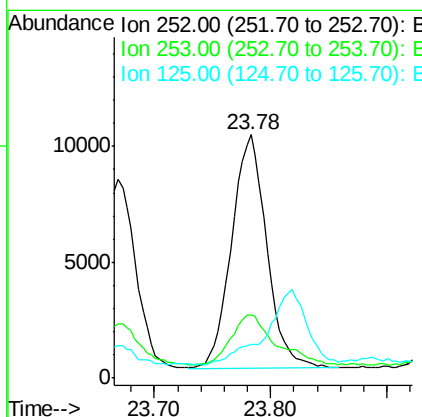
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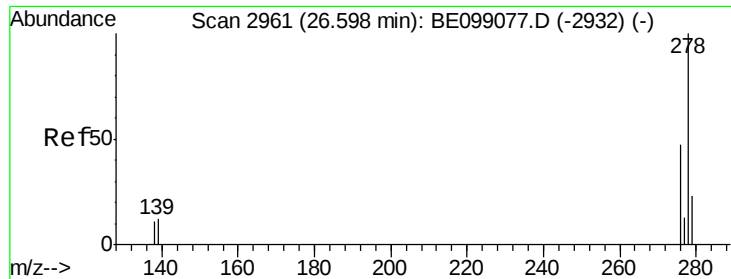
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#37
Benzo(a)pyrene
Concen: 0.155 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.9	29.9
125	13.7	9.0	13.4#





#38

Dibenzo(a,h)anthracene

Concen: 0.029 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.03 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

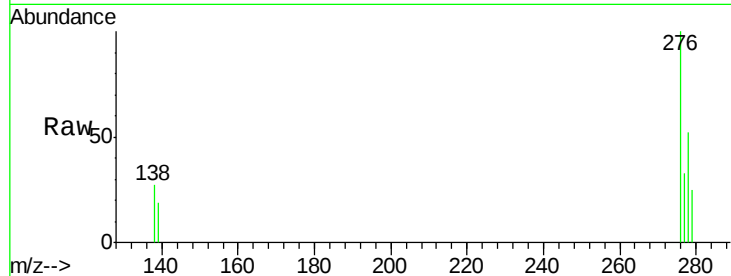
ClientSampleId :

PST-026-SW075-031819

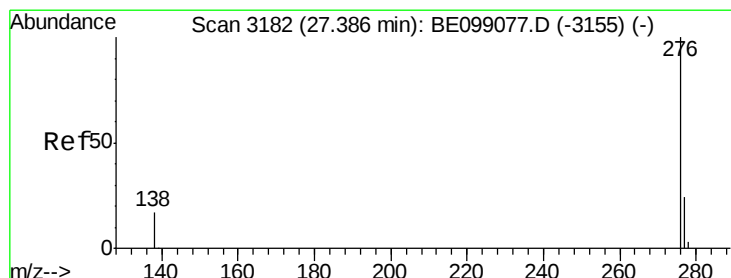
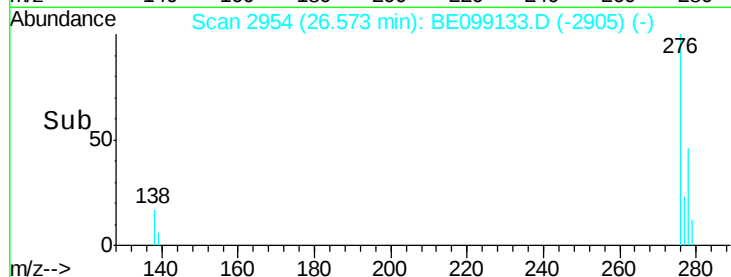
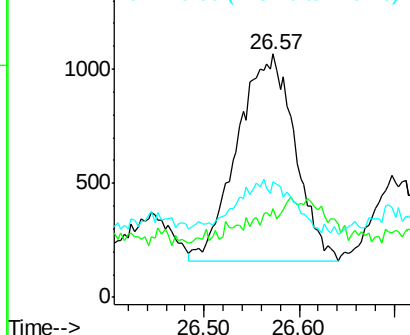
Tot Ion:	278	Resp:	3801
Ion Ratio	Lower	Upper	
278	100		
139	36.3	11.8	17.6#
279	47.7	21.1	31.7#

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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: 0.112 ng

RT: 27.36 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Tgt Ion:	276	Resp:	15264
Ion Ratio	Lower	Upper	
276	100		
277	27.1	20.4	30.6
138	19.2	13.6	20.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

