

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099190.D
 Acq On : 25 Mar 2019 21:31
 Operator : JU/SJ
 Sample : K2014-18
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 3/26/2019 6:14:15 PM

Quant Time: Mar 26 07:22:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 26 07:02:06 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3102	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	12754	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	9172	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	29048	0.40	ng	0.00
27) Chrysene-d12	21.38	240	34226	0.40	ng	-0.01
34) Perylene-d12	23.89	264	34173	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	3784	0.41	ng	0.00
5) Phenol-d6	6.99	99	5487	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	3820	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9153	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1471	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14138	0.38	ng	0.00
25) Fluoranthene-d10	19.24	212	139618	0.40	ng	0.00
29) Terphenyl-d14	19.83	244	25173	0.34	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.25	178	12363	0.145	ng	98
26) Fluoranthene	19.26	202	21370	0.196	ng	99
28) Pyrene	19.63	202	23259	0.205	ng	97
30) Benzo(a)anthracene	21.37	228	10879	0.096	ng	95
31) Chrysene	21.41	228	12246	0.101	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	19023	0.141	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	6031	0.053	ng	# 95
35) Benzo(b)fluoranthene	23.12	252	14082	0.125	ng	# 86
36) Benzo(k)fluoranthene	23.16	252	4156m	0.035	ng	
37) Benzo(a)pyrene	23.78	252	9251	0.088	ng	# 89
39) Benzo(a,h,i)perylene	27.37	276	6471	0.069	ng	# 92

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

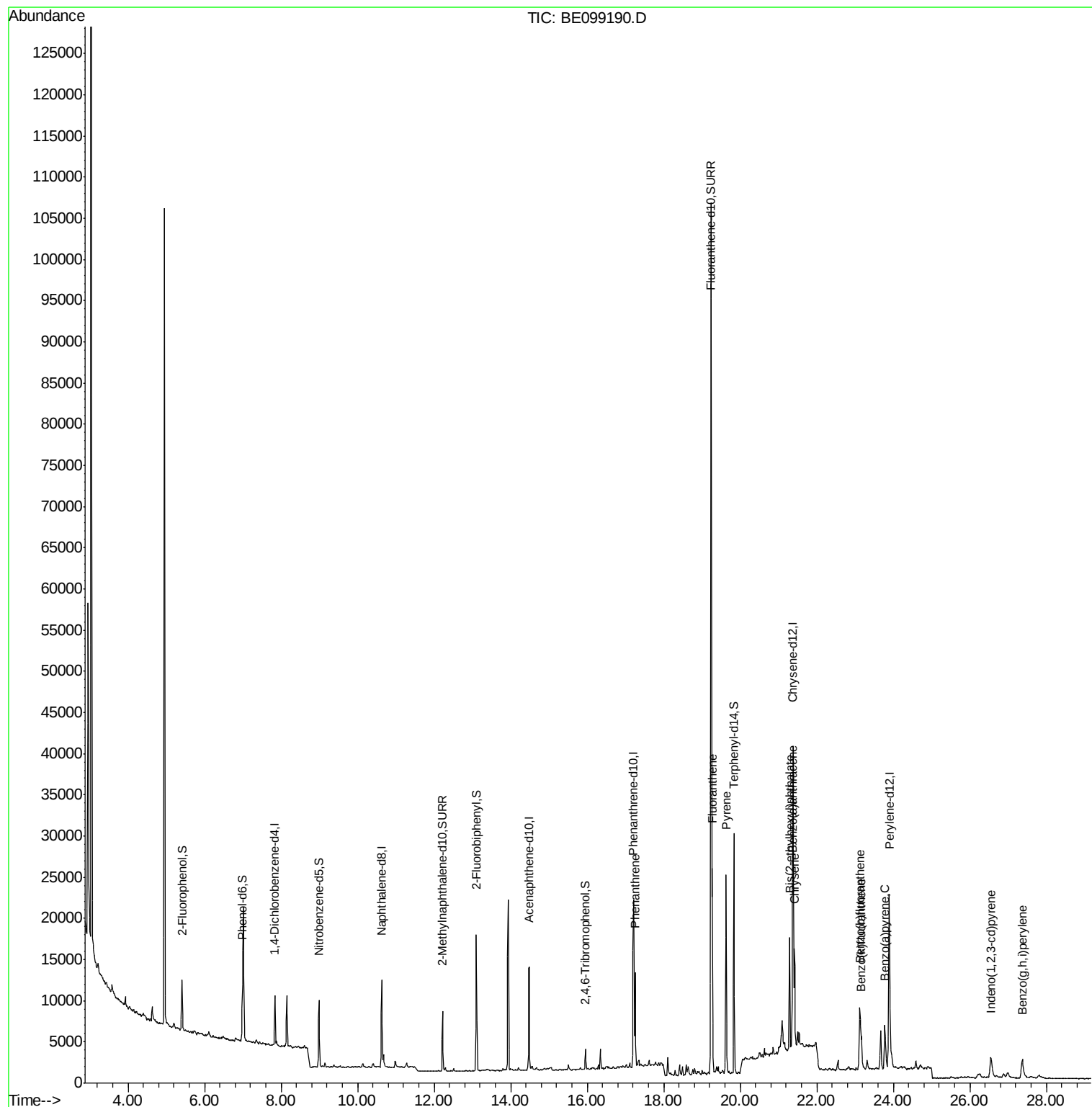
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
Data File : BE099190.D
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Operator : JU/SJ
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#1

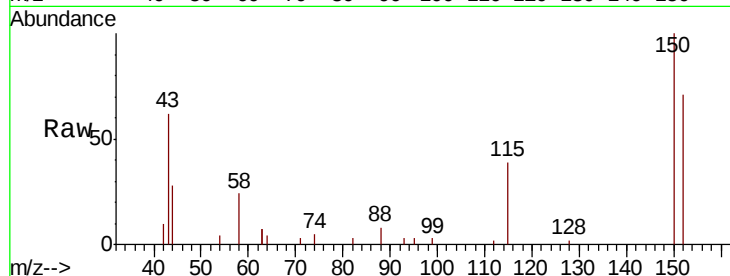
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.5	112.8	169.2
115	55.5	45.1	67.7

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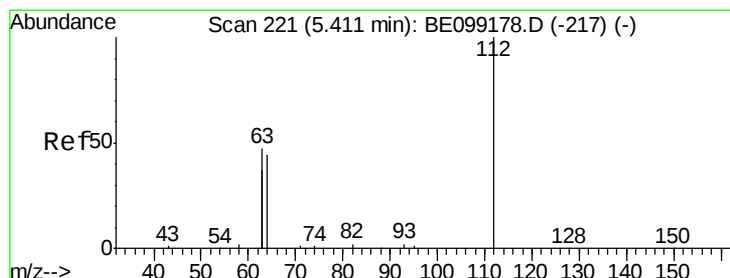
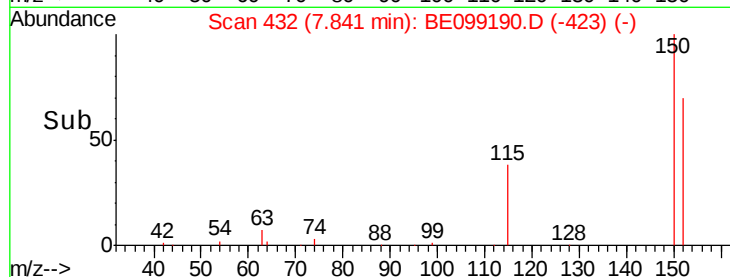
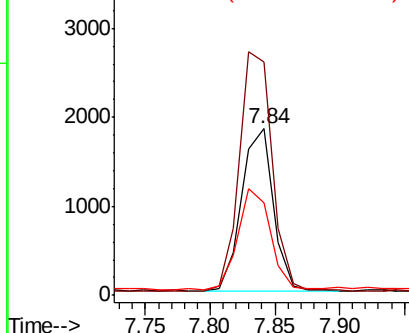


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

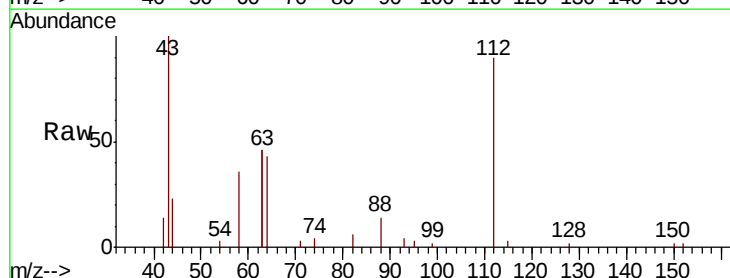
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.409 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.2	69.2
63	122.8	89.9	134.9

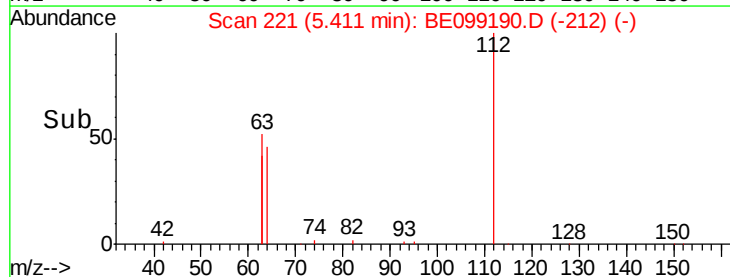
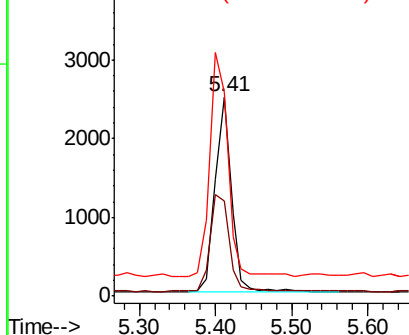


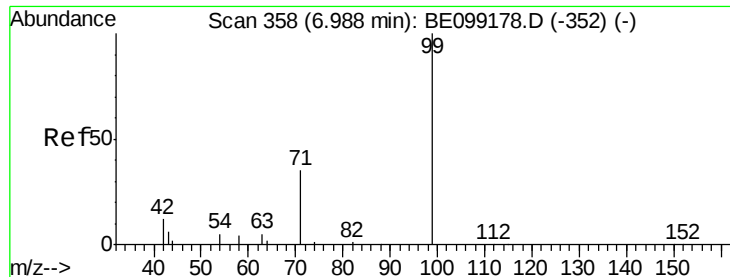
Abundance

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: 0.388 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099190.D

Acq: 25 Mar 2019 21:31

Instrument :

BNA_E

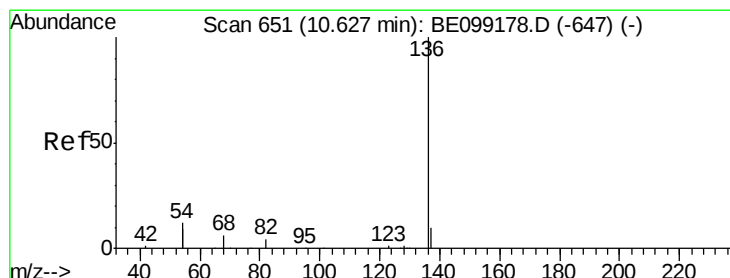
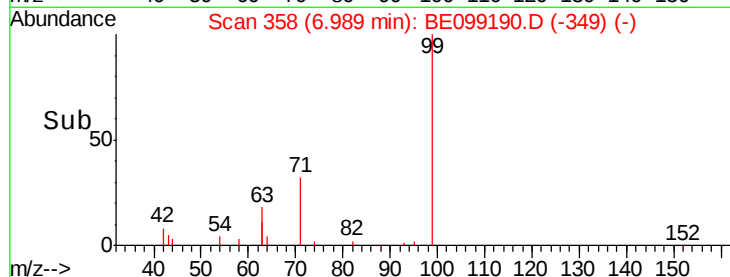
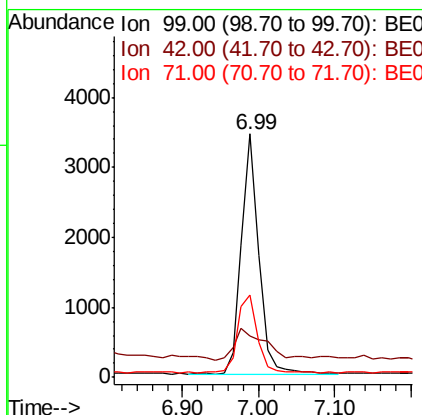
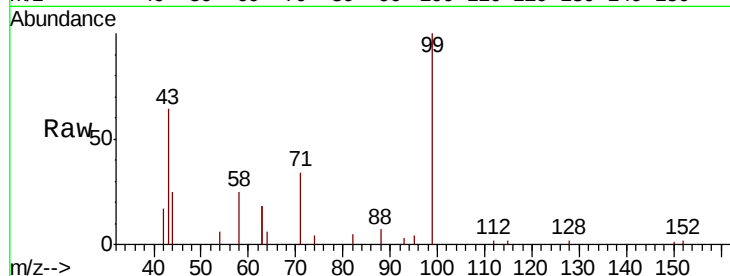
ClientSampleId :

PST-026-SW045-031919

Tot Ion:	99	Resp:	5487
Ion	Ratio	Lower	Upper
99	100		
42	22.9	12.4	18.6#
71	37.4	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

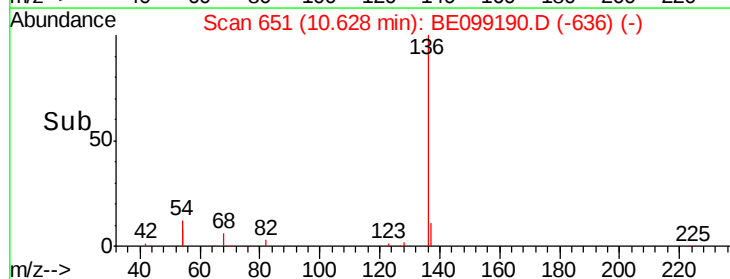
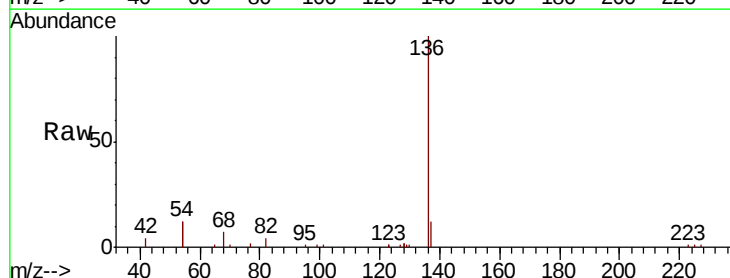
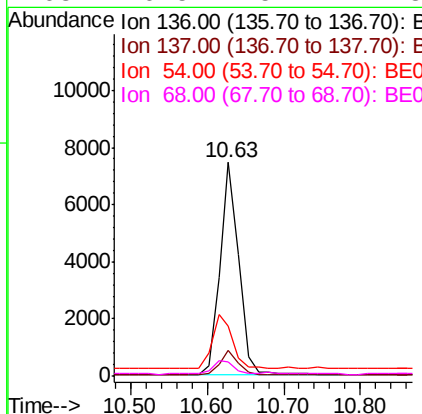
RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099190.D

Acq: 25 Mar 2019 21:31

Tgt Ion:	136	Resp:	12754
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.7	13.1
54	23.5	18.7	28.1
68	6.5	5.2	7.8





#8

Nitrobenzene-d5

Concen: 0.367 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099190.D

Acq: 25 Mar 2019 21:31

Instrument :

BNA_E

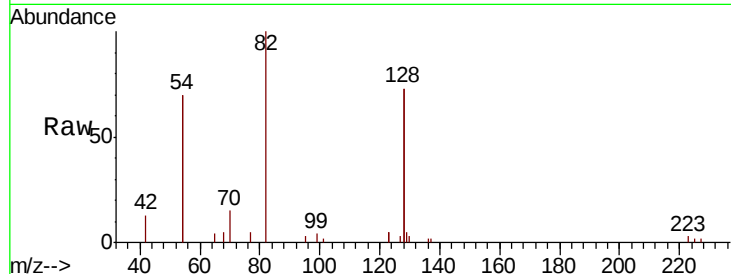
ClientSampleId :

PST-026-SW045-031919

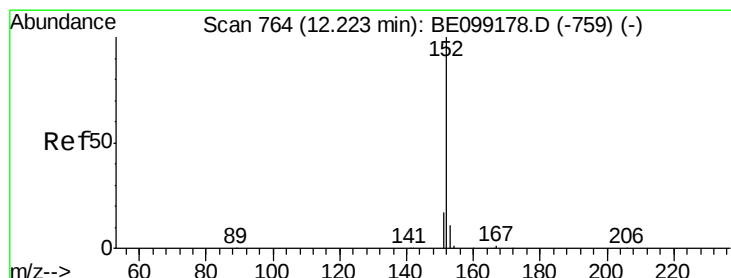
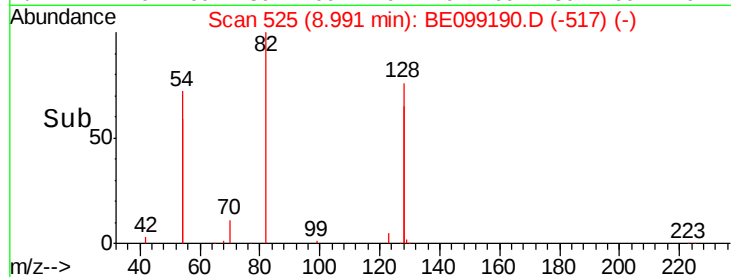
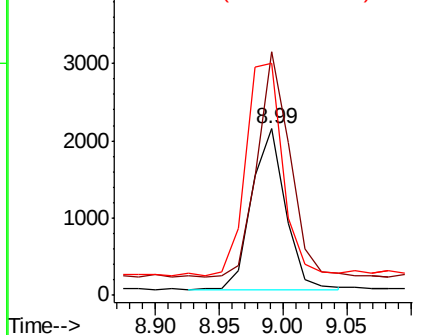
Tot Ion:	82	Resp:	3820
Ion	Ratio	Lower	Upper
82	100		
128	146.3	107.5	161.3
54	139.2	106.3	159.5

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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: 0.372 ng

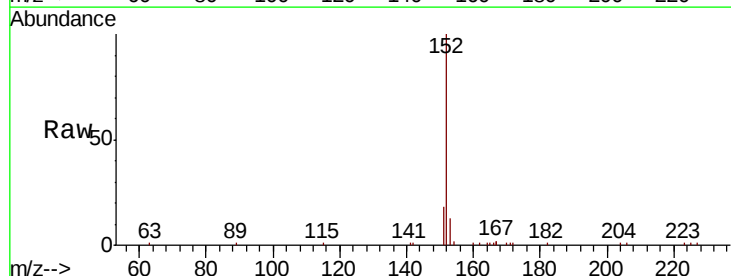
RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

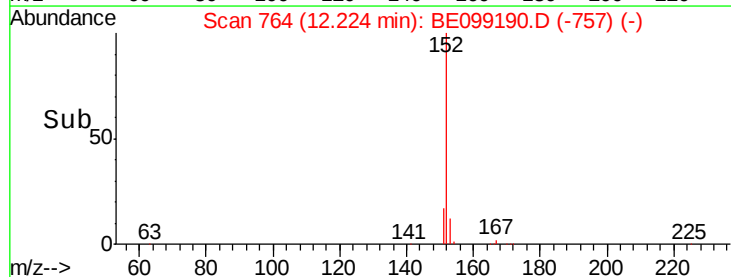
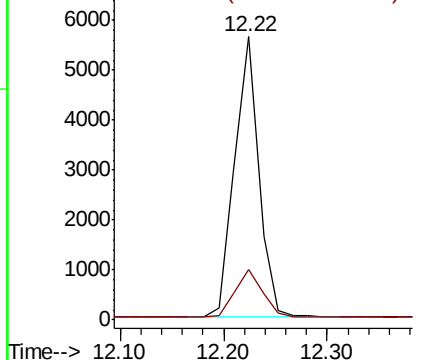
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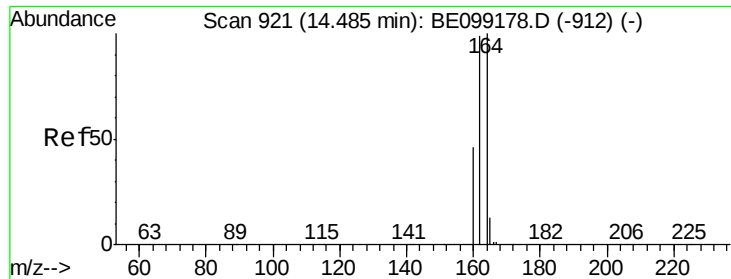
Acq: 25 Mar 2019 21:31

Tgt Ion:	152	Resp:	9153
Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.6



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





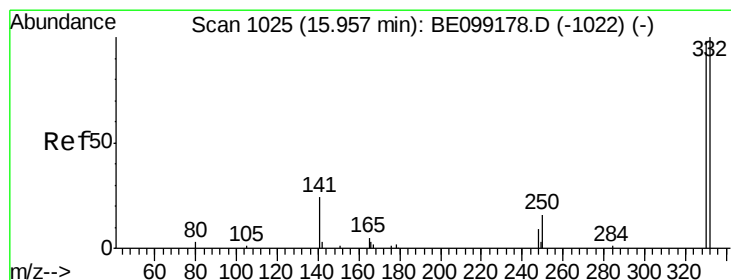
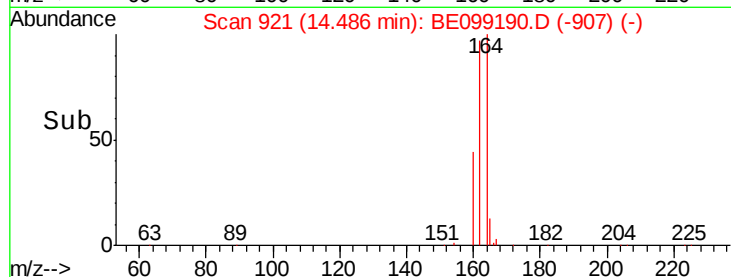
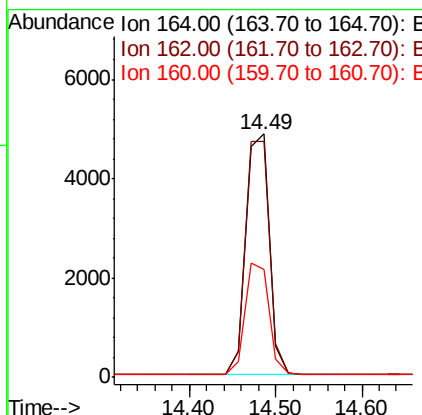
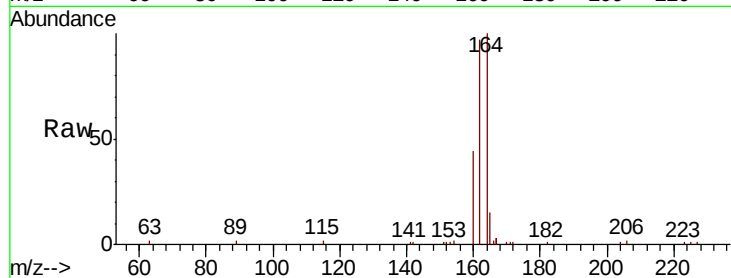
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.8	79.2	118.8
160	44.1	36.7	55.1

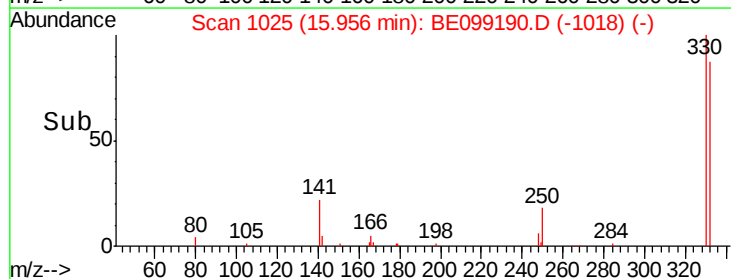
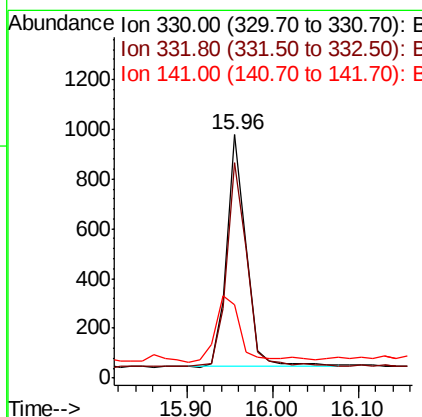
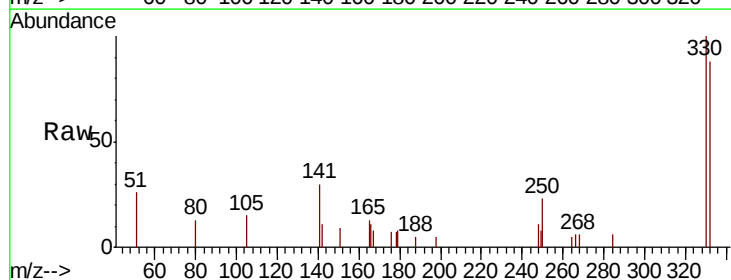
Manual Integrations
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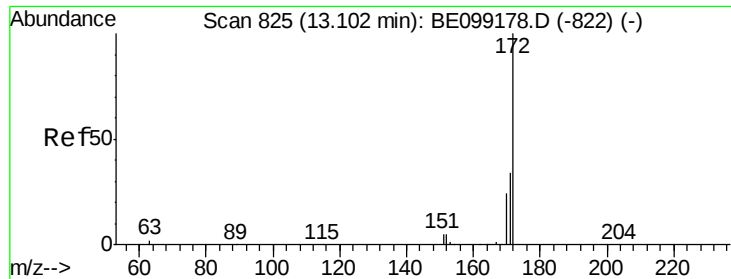
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#14
2,4,6-Tribromophenol
Concen: 0.510 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.0	71.3	106.9
141	37.0	21.7	32.5





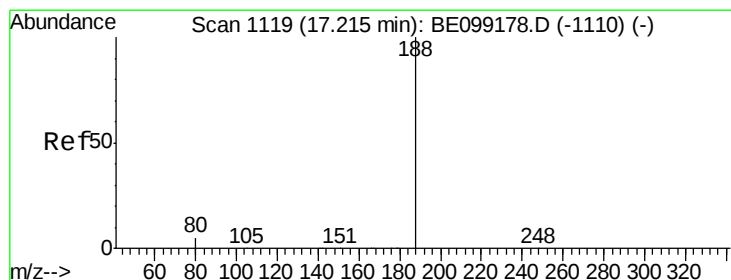
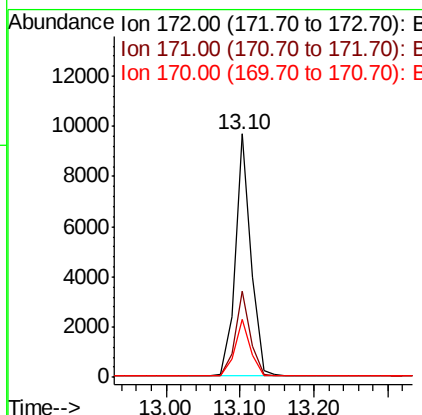
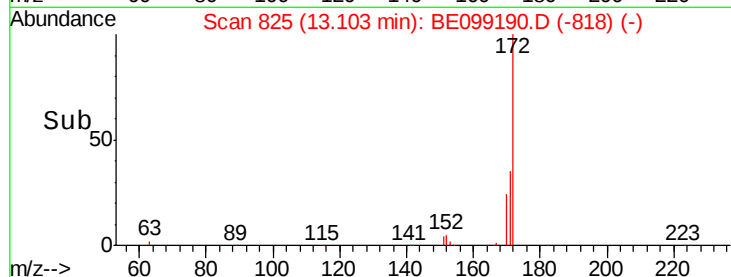
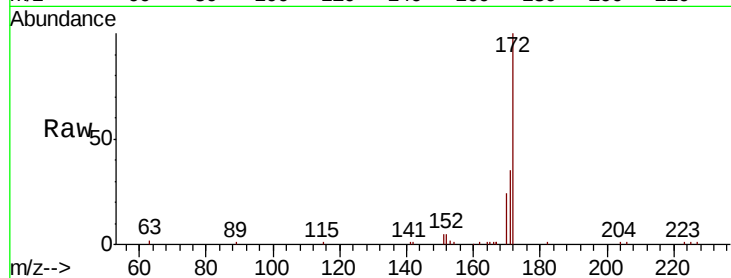
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.4	41.0
170	23.9	19.1	28.7

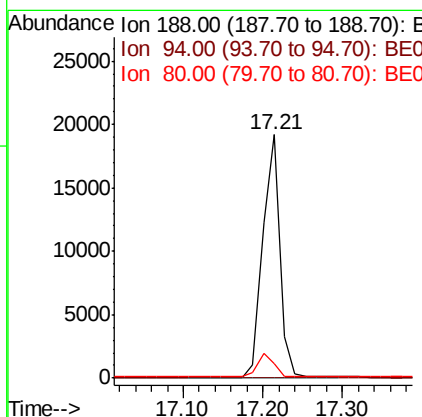
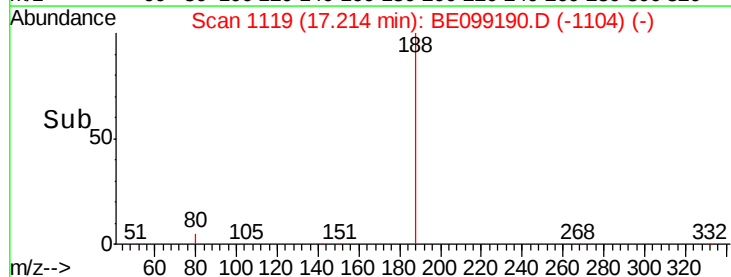
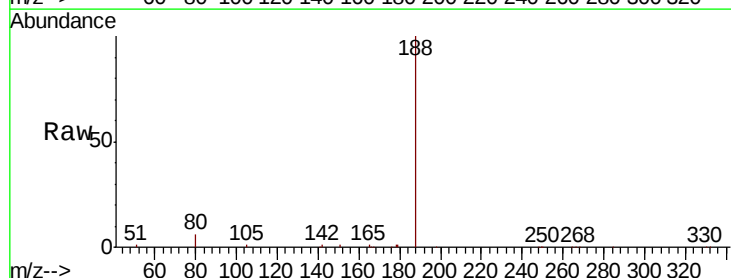
Manual Integrations
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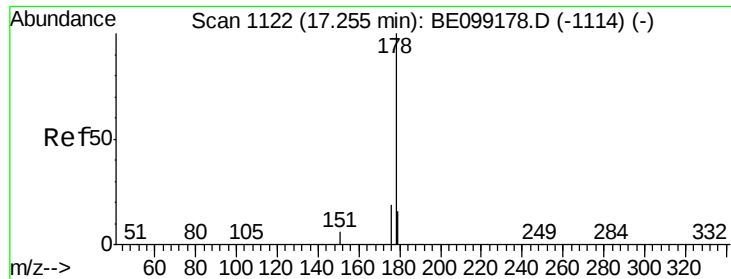
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	4.5	6.7





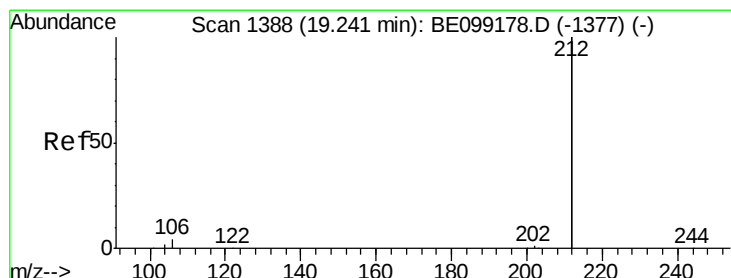
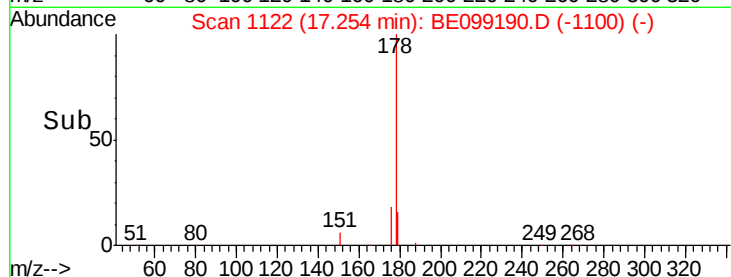
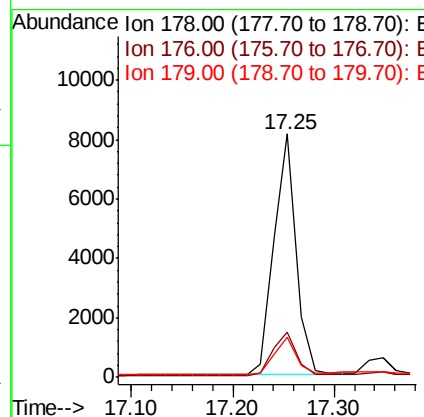
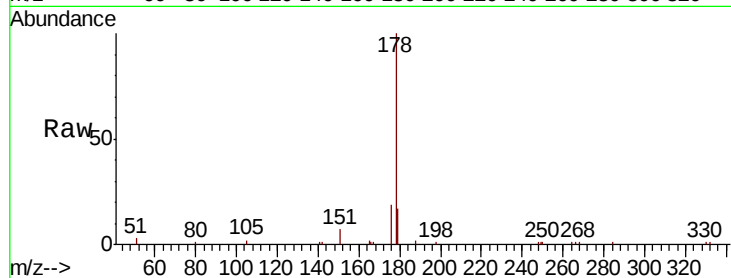
#23
Phenanthrene
Concen: 0.145 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.6	12.3	18.5

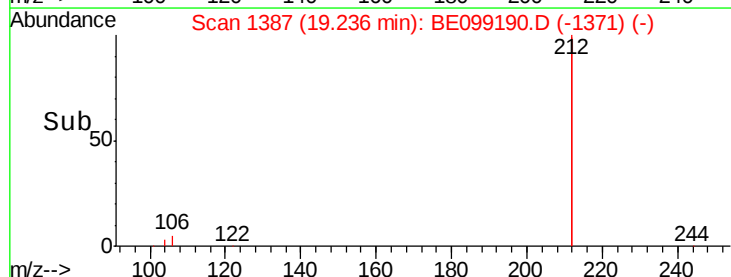
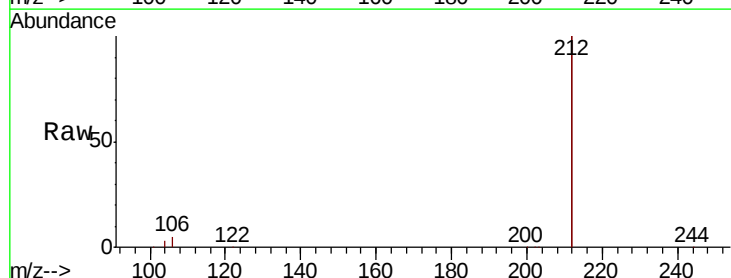
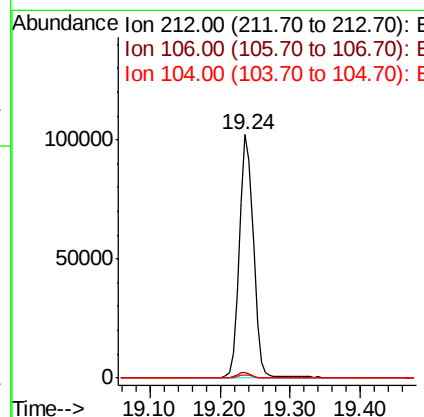
Manual Integrations
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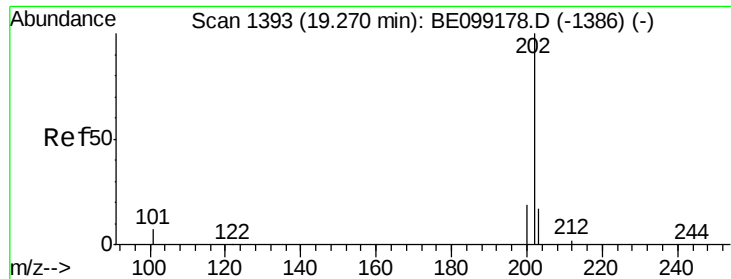
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#25
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.24 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.4	1.8	2.8
104	1.4	1.1	1.7





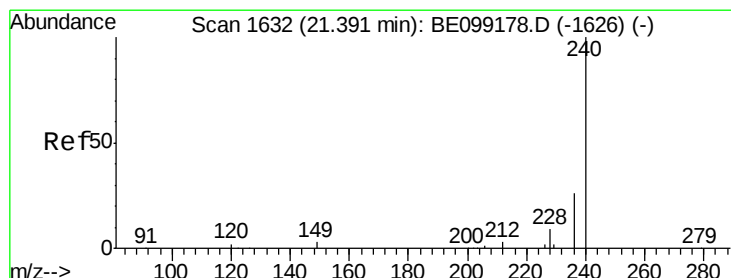
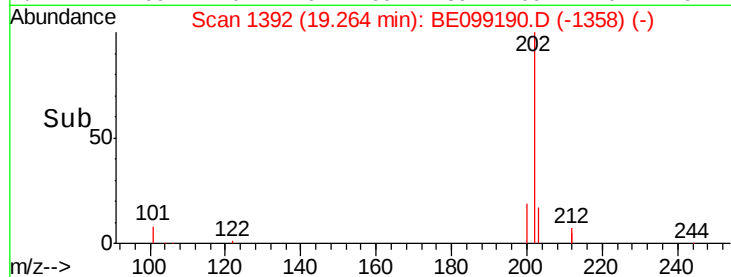
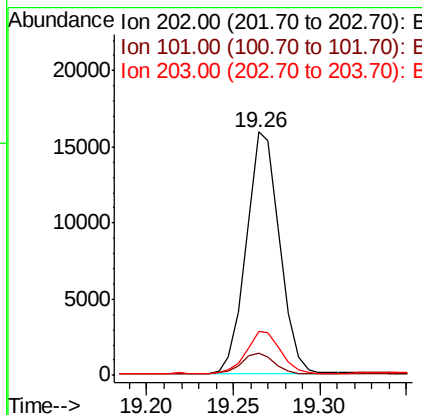
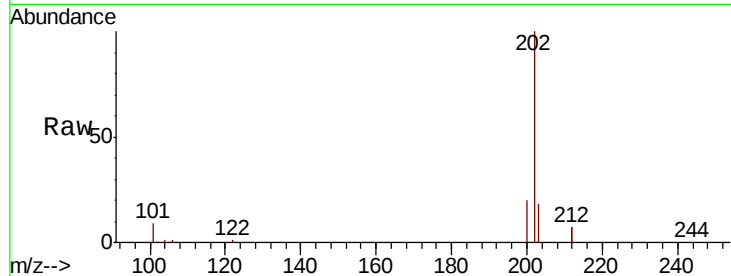
#26
 Fluoranthene
 Concen: 0.196 ng
 RT: 19.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BE099190.D
 Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	21370		
101	8.8		7.0	10.4
203	17.7		13.8	20.6

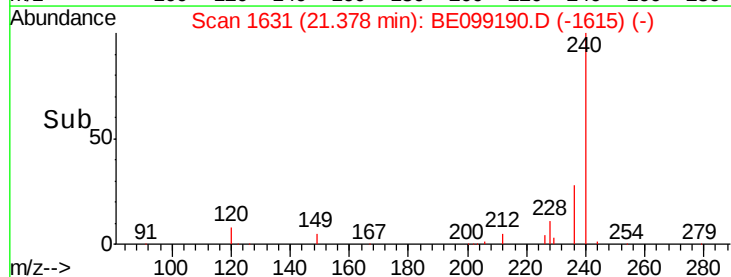
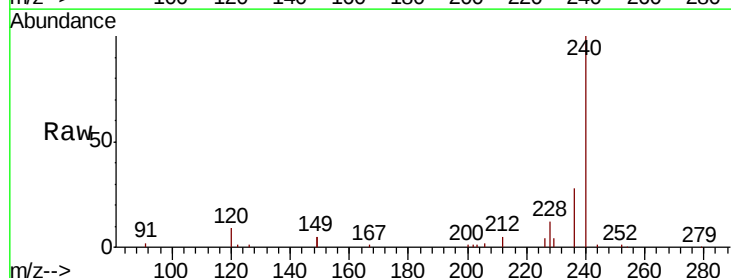
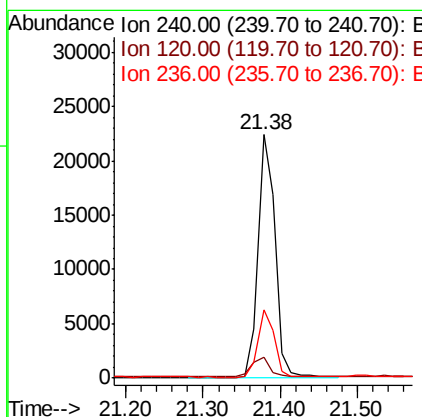
Manual Integrations
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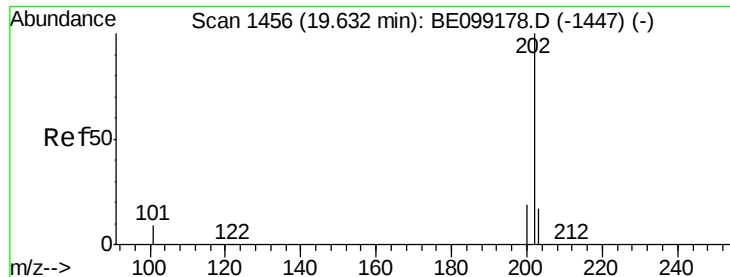
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BE099190.D
 Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	34226		
120	8.8		2.6	3.8#
236	28.3		20.9	31.3





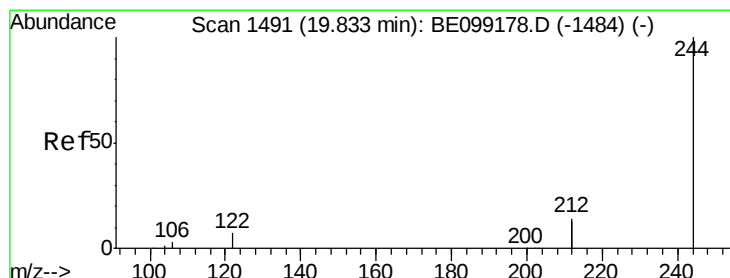
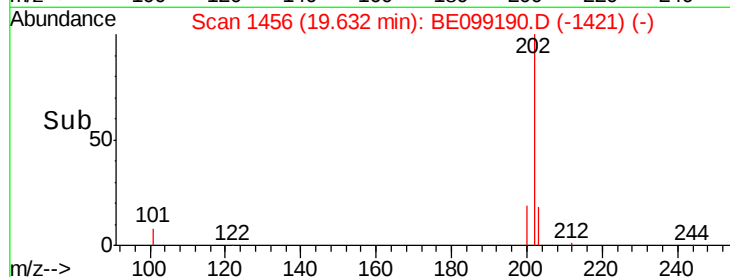
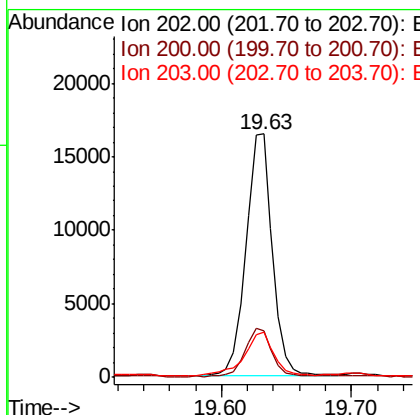
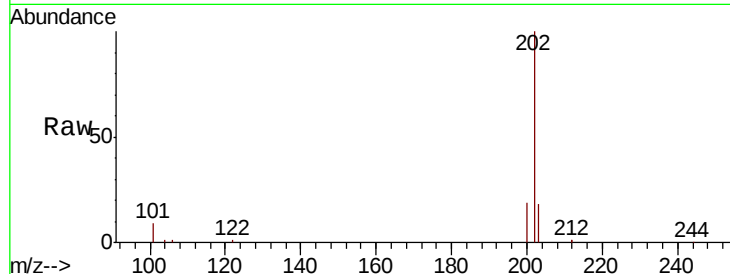
#28
Pvrene
Concen: 0.205 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.8	23.8
203	19.9	14.1	21.1

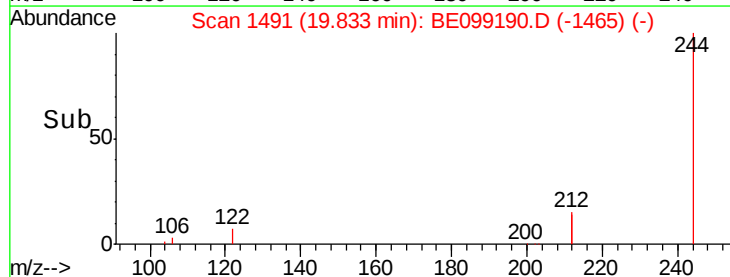
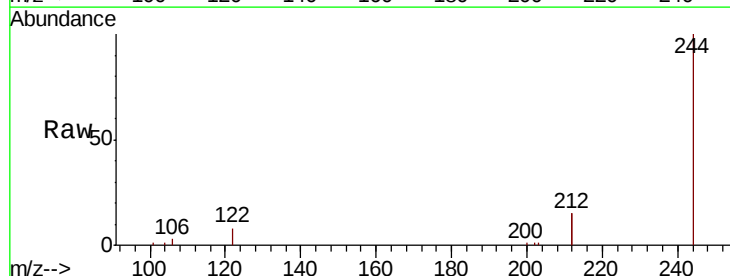
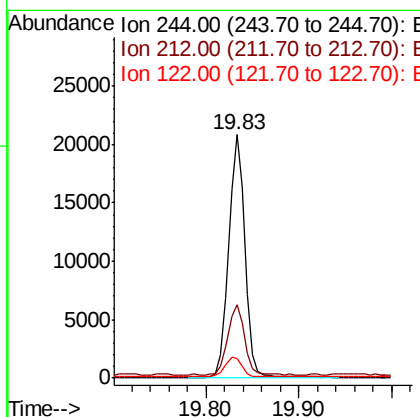
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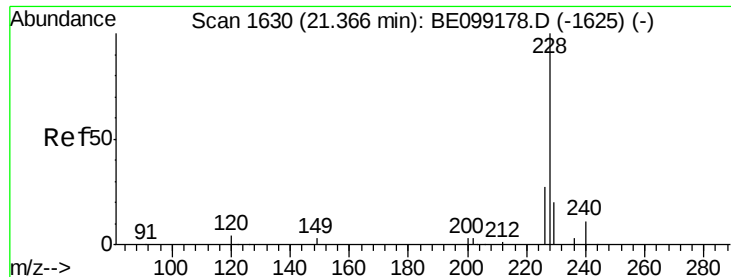
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#29
Terphenyl-d14
Concen: 0.338 ng
RT: 19.83 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	30.1	22.7	34.1
122	7.8	5.8	8.6





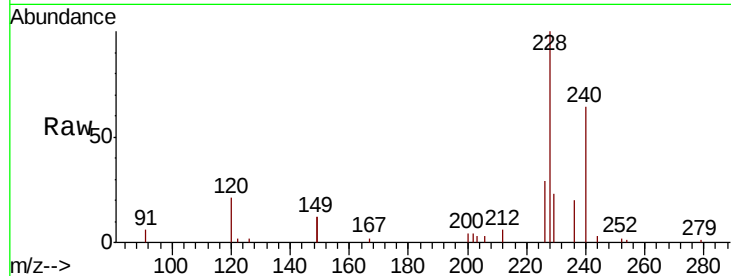
#30
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.7	32.5
229	23.1	15.9	23.9

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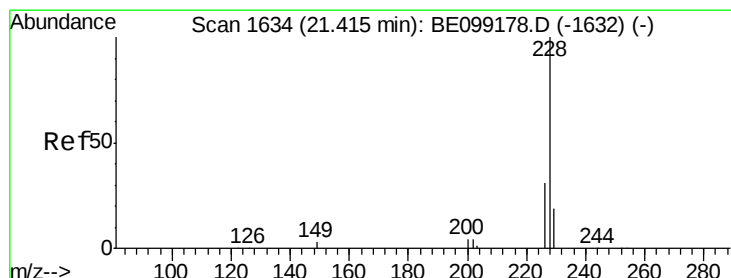
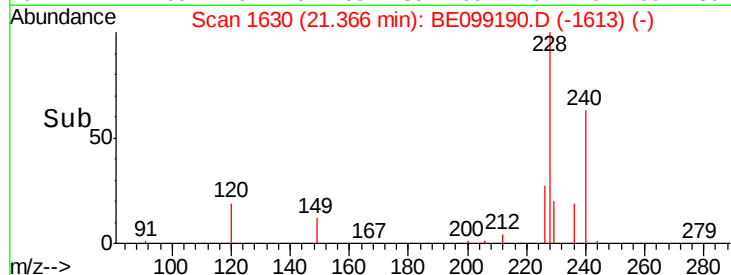
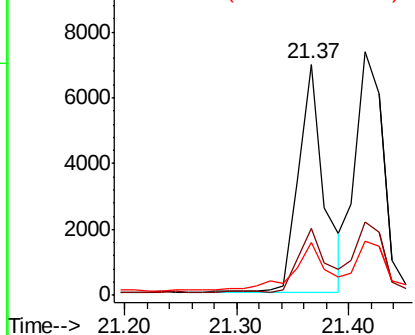


Abundance

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: 0.101 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

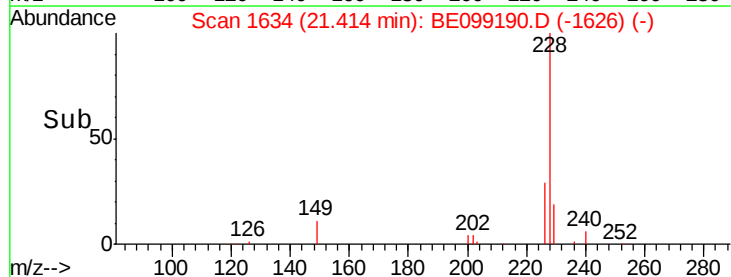
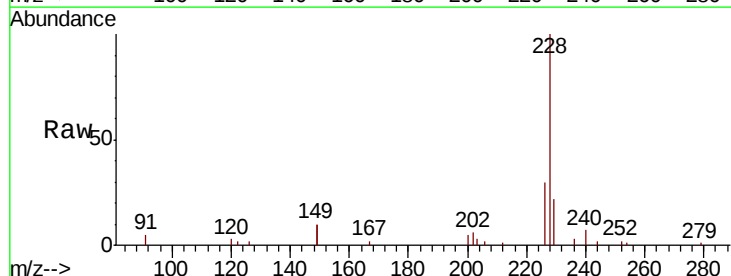
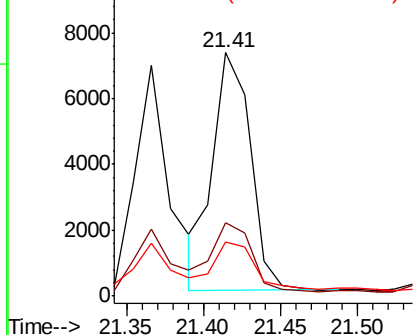
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.8	37.2
229	22.5	15.4	23.0

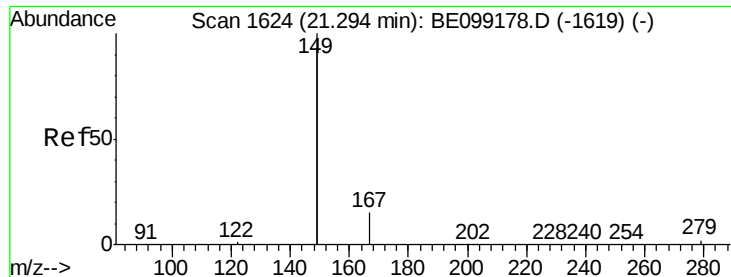
Abundance

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE099190.D

Acq: 25 Mar 2019 21:31

Instrument :

BNA_E

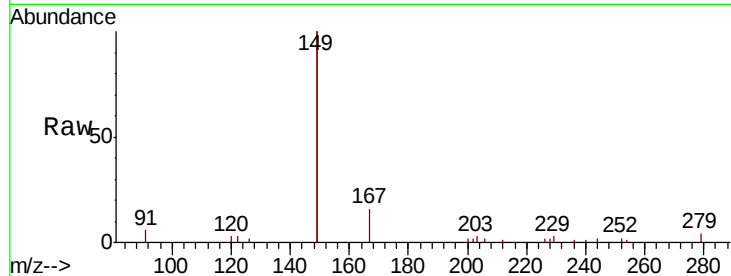
ClientSampleId :

PST-026-SW045-031919

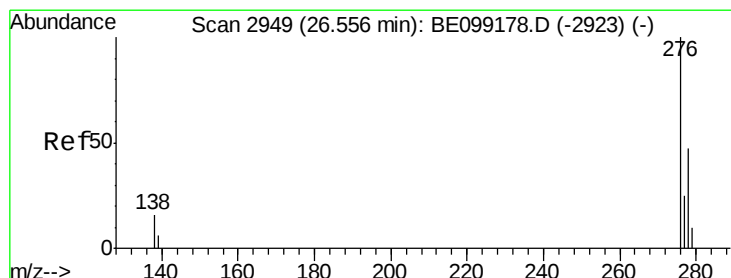
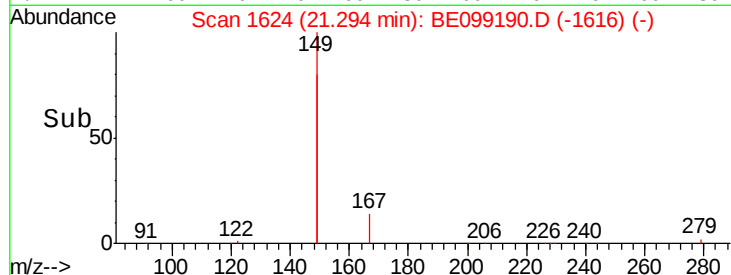
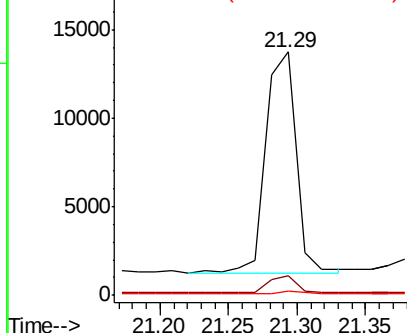
Tot Ion:	149	Resp:	19023
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.9	8.9
279	1.4	1.0	1.6

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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: 0.053 ng

RT: 26.55 min Scan# 2947

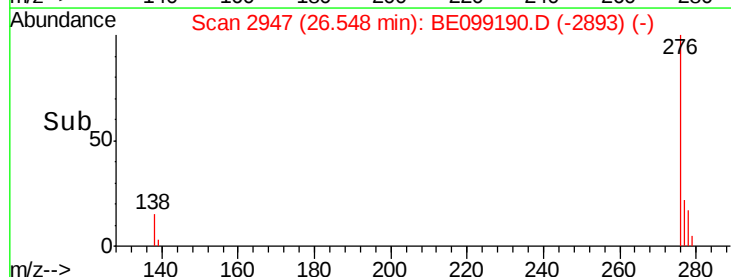
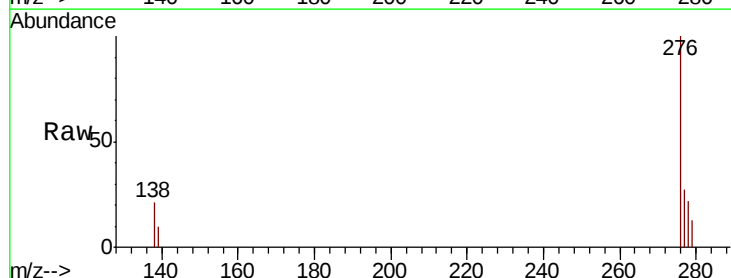
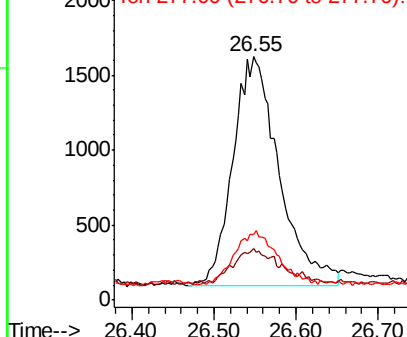
Delta R.T. -0.01 min

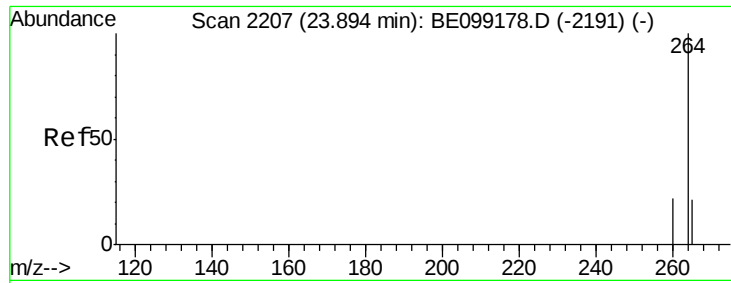
Lab File: BE099190.D

Acq: 25 Mar 2019 21:31

Tgt Ion:	276	Resp:	6031
Ion Ratio	Lower	Upper	
276	100		
138	12.0	12.9	19.3#
277	21.7	18.3	27.5

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





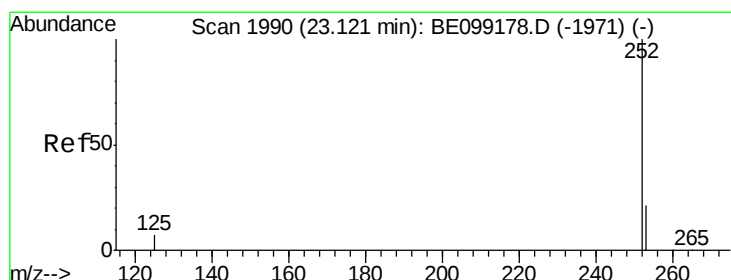
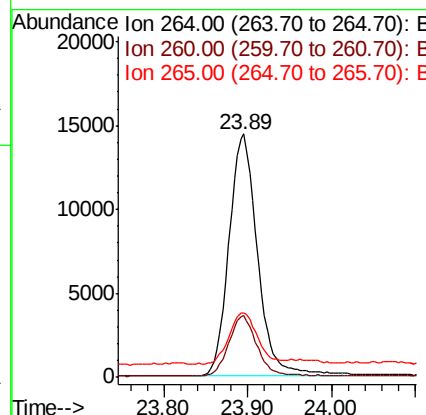
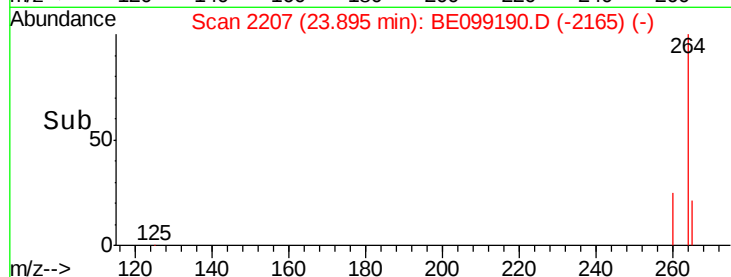
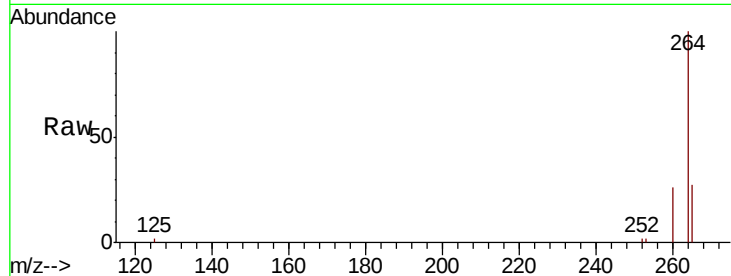
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.2	27.2
265	26.5	21.8	32.8

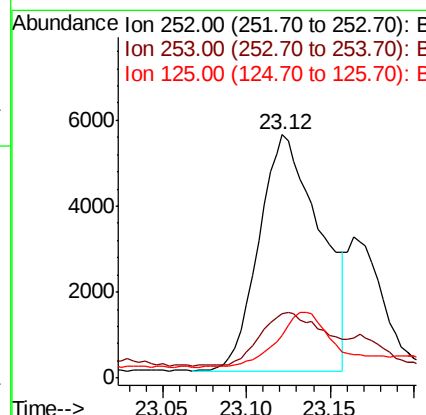
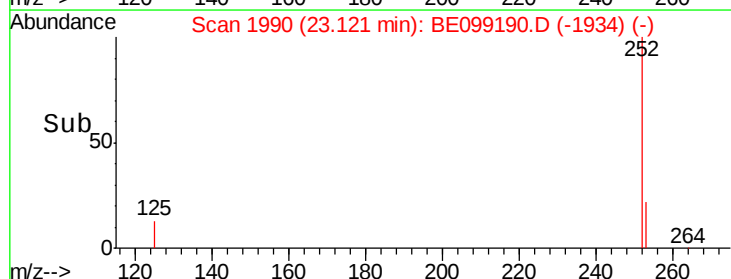
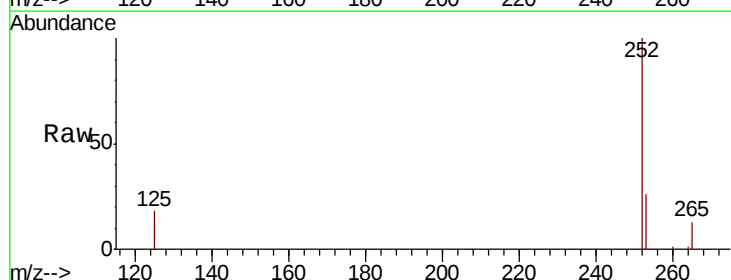
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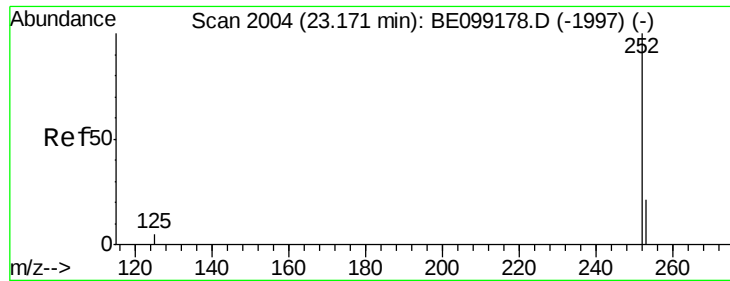
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#35
Benzo(b)fluoranthene
Concen: 0.125 ng
RT: 23.12 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	17.8	6.1	9.1





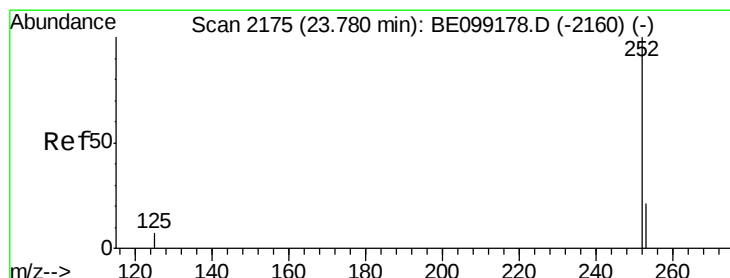
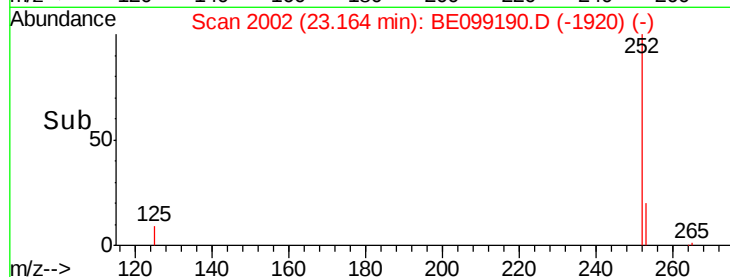
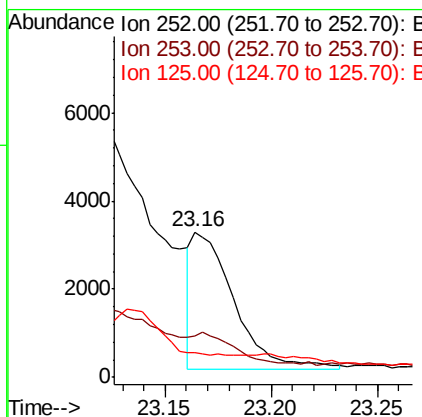
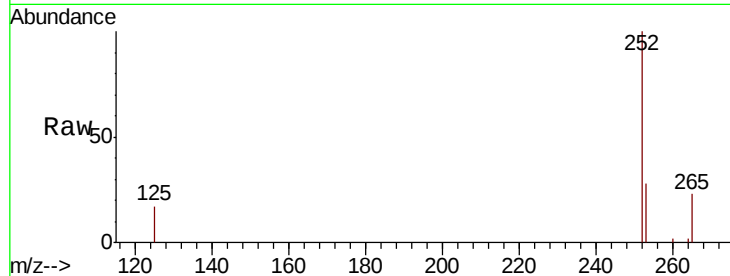
#36
Benzo(k)fluoranthene
Concen: 0.035 ng m
RT: 23.16 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.8	26.6#
125	16.8	5.9	8.9#

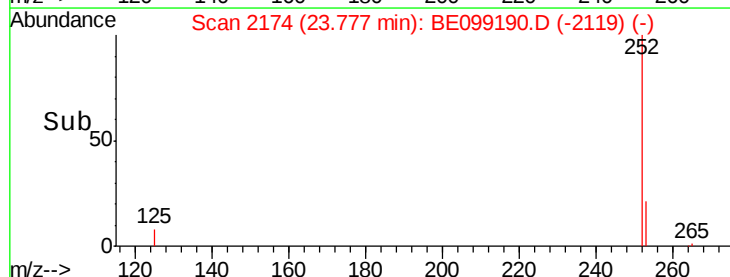
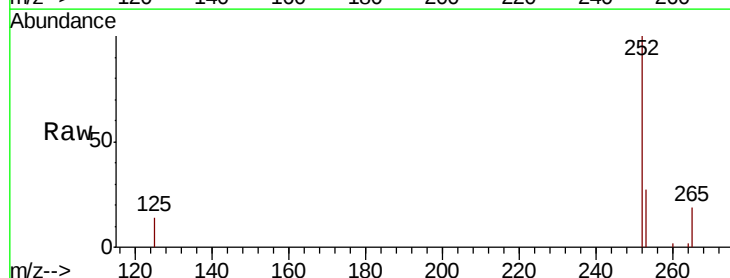
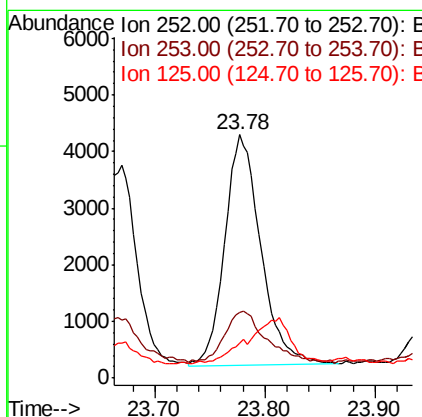
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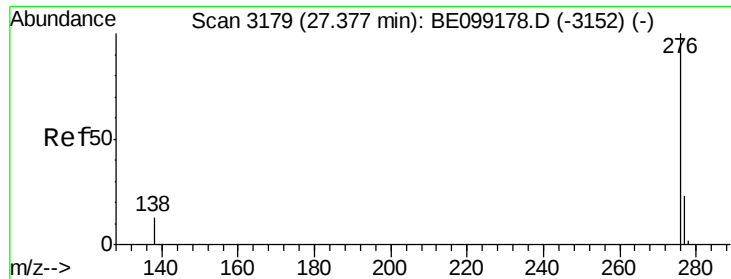
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#37
Benzo(a)pyrene
Concen: 0.088 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.1	27.1#
125	14.4	6.8	10.2#





#39

Benzo(a,h,i)perylene

Concen: 0.069 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099190.D

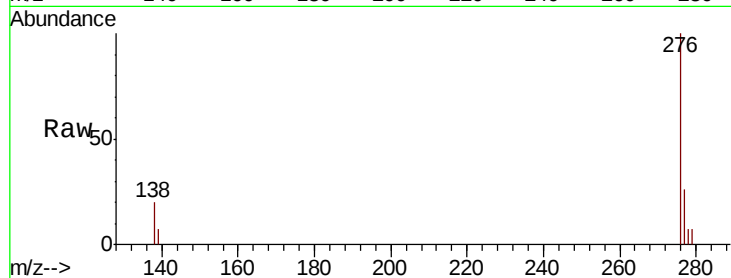
Acq: 25 Mar 2019 21:31

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919



Tot Ion:	276	Resp:	6471
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.0	28.4
138	19.7	11.1	16.7#

Manual Integrations
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