

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099212.D
 Acq On : 26 Mar 2019 12:24
 Operator : JU/SJ
 Sample : K2014-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 3/26/2019 6:17:35 PM

Quant Time: Mar 26 13:42:23 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	3174	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	12640	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9174	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	28876	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	34622	0.40	ng	-0.01
34) Perylene-d12	23.89	264	34181	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	3734	0.39	ng	0.00
5) Phenol-d6	6.99	99	5393	0.37	ng	0.00
8) Nitrobenzene-d5	8.99	82	4096	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8966	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1541	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13998	0.37	ng	0.00
25) Fluoranthene-d10	19.24	212	137399	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	25346	0.34	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.24	178	12115	0.143	ng	99
26) Fluoranthene	19.26	202	21414	0.198	ng	100
28) Pyrene	19.63	202	23020	0.200	ng	97
30) Benzo(a)anthracene	21.37	228	11288	0.099	ng	96
31) Chrysene	21.41	228	11851m	0.097	ng	
32) Bis(2-ethylhexyl)phthalate	21.28	149	20259	0.149	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	5933	0.051	ng	# 95
35) Benzo(b)fluoranthene	23.12	252	14135	0.126	ng	# 75
36) Benzo(k)fluoranthene	23.16	252	4707m	0.040	ng	
37) Benzo(a)pyrene	23.78	252	9122	0.087	ng	# 86
39) Benzo(a,h,i)perylene	27.37	276	6464	0.069	ng	# 89

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

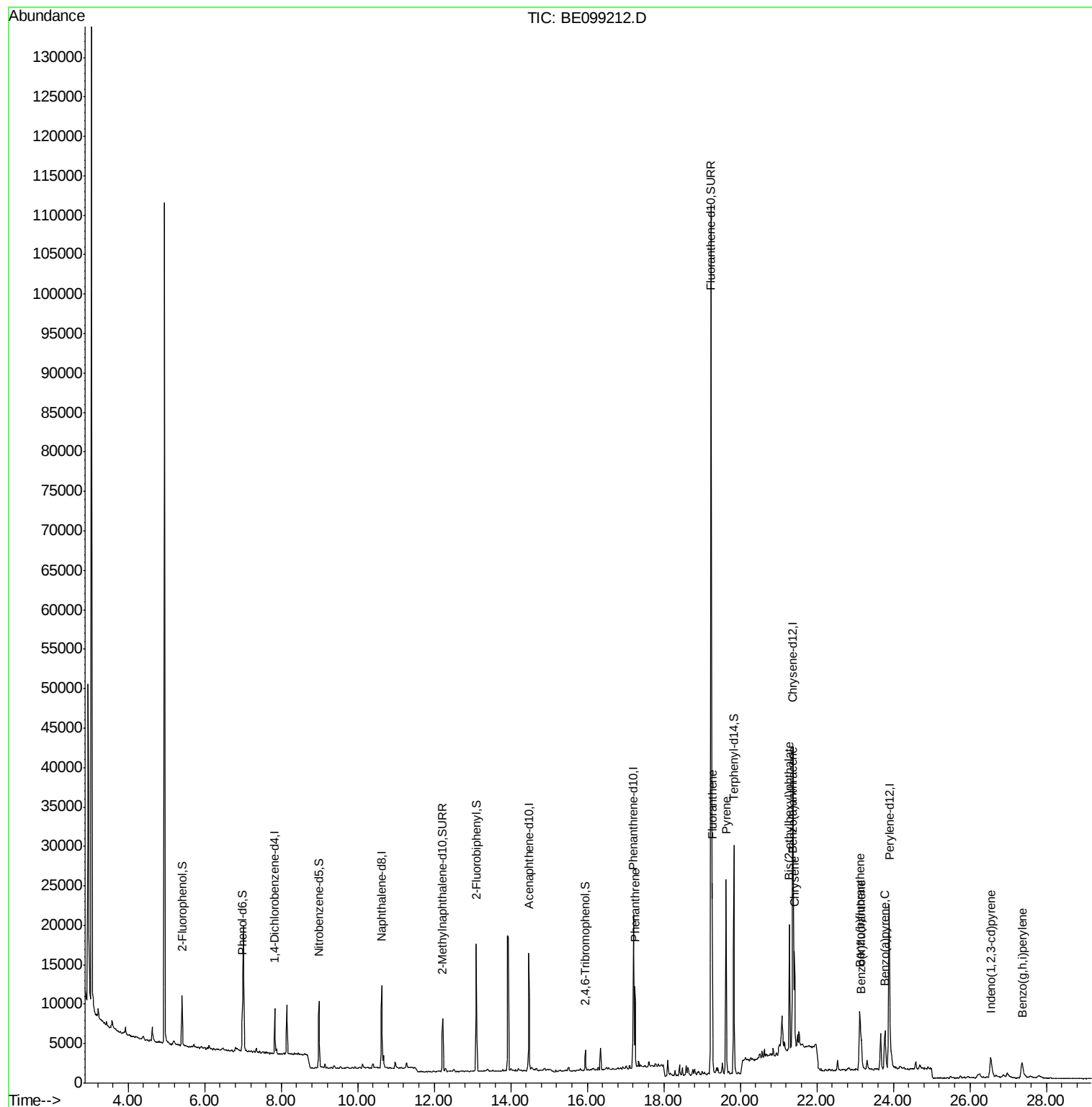
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
Data File : BE099212.D
Acq On : 26 Mar 2019 12:24
Operator : JU/SJ
Sample : K2014-18
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 07:02:06 2019
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#1

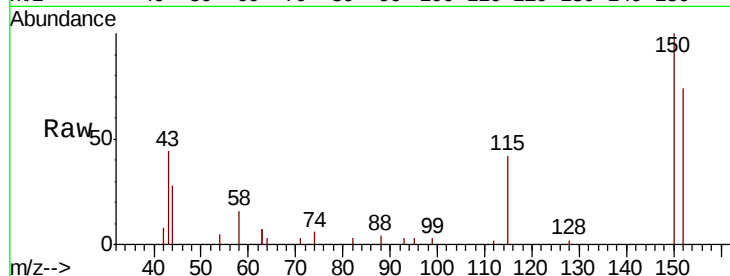
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.7	112.8	169.2
115	57.4	45.1	67.7

Manual Integrations
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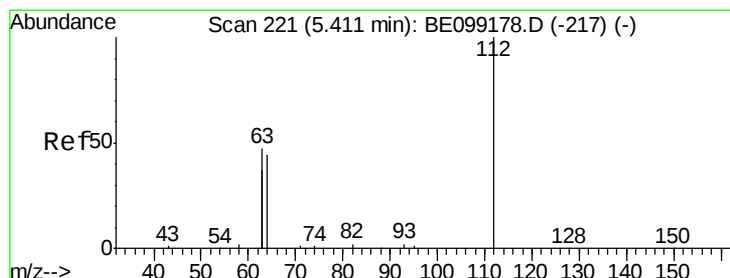
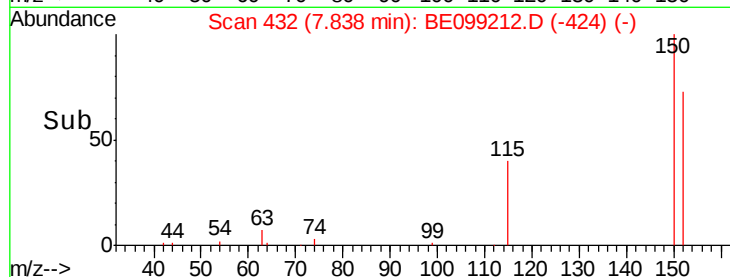
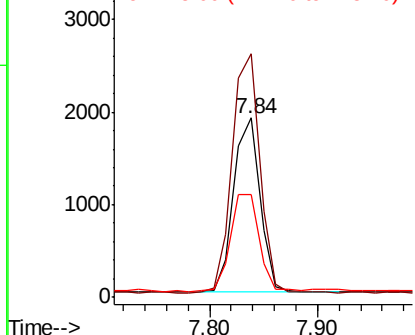


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

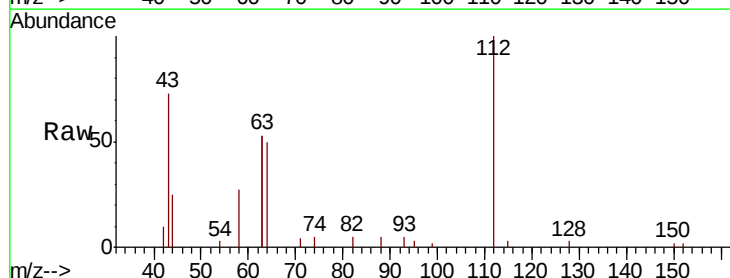
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.394 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.2	69.2
63	115.0	89.9	134.9

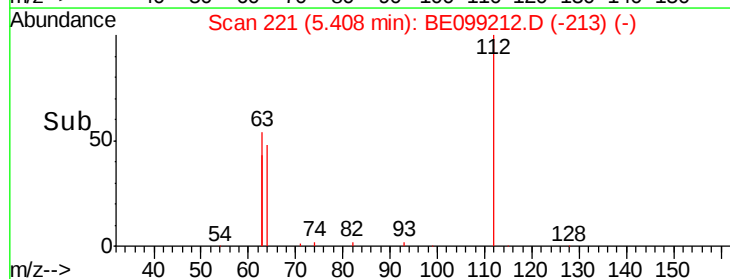
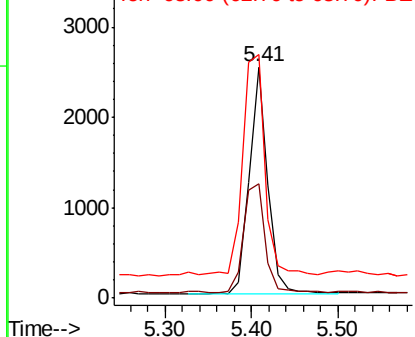


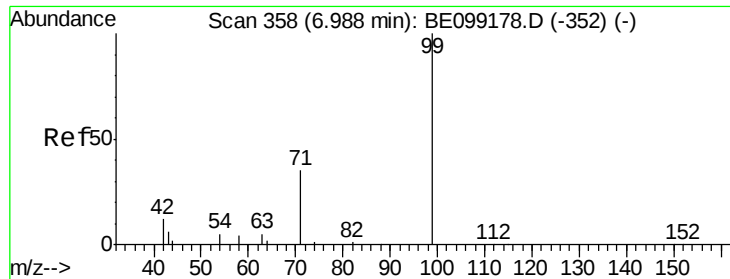
Abundance

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: 0.372 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

Instrument :

BNA_E

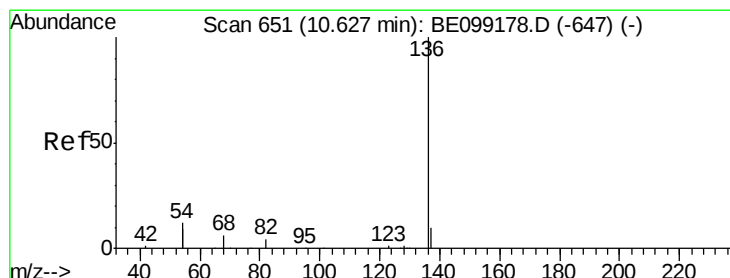
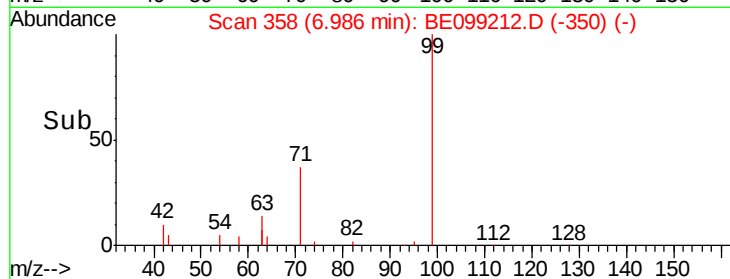
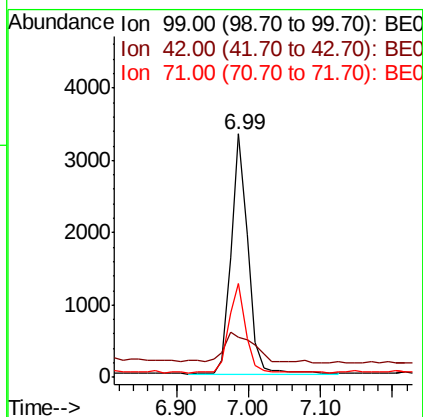
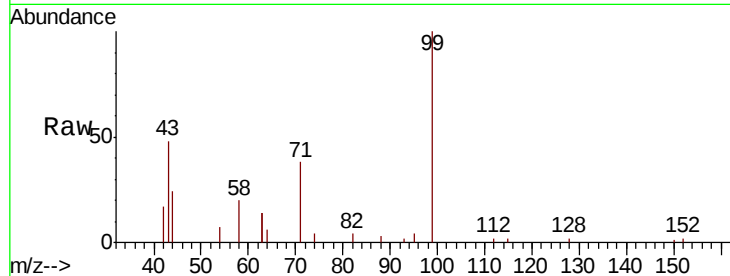
ClientSampleId :

PST-026-SW045-031919

Tot Ion:	99	Resp:	5393
Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.4	18.6#
71	37.6	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

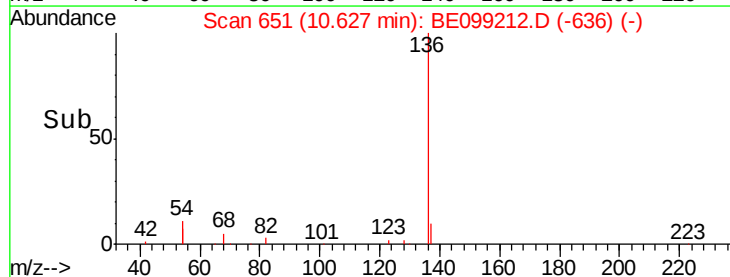
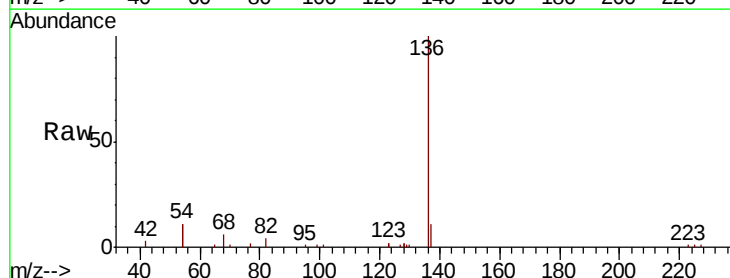
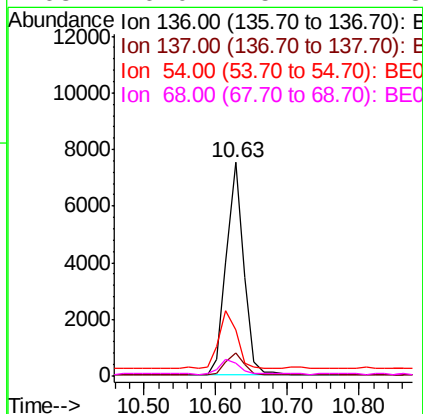
RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

Tgt Ion:	136	Resp:	12640
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	21.4	18.7	28.1
68	6.0	5.2	7.8





#8

Nitrobenzene-d5

Concen: 0.397 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

Instrument :

BNA_E

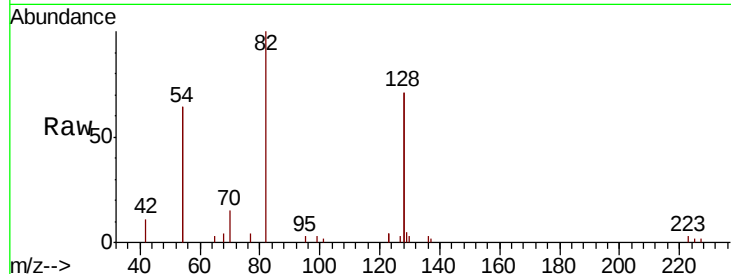
ClientSampleId :

PST-026-SW045-031919

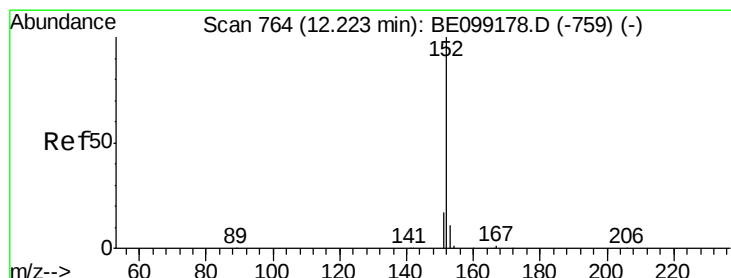
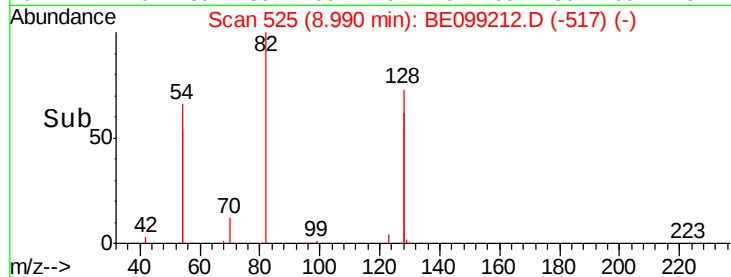
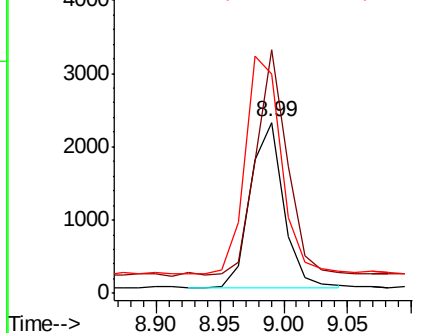
Tot Ion:	82	Resp:	4096
Ion	Ratio	Lower	Upper
82	100		
128	142.4	107.5	161.3
54	128.4	106.3	159.5

Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.368 ng

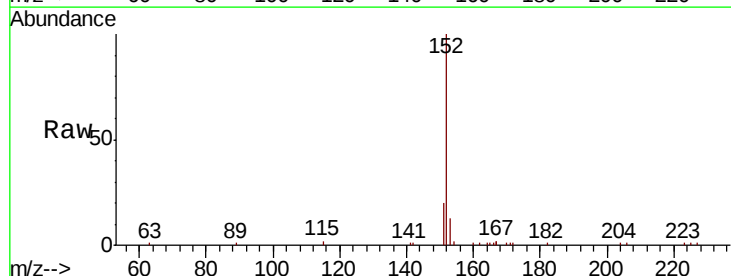
RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

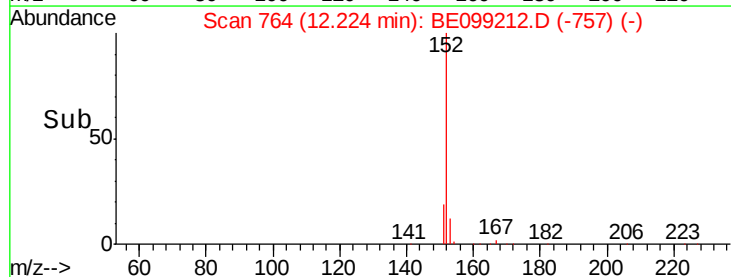
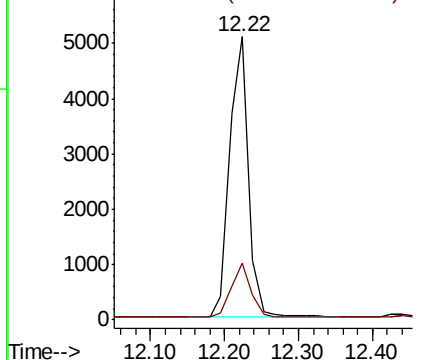
Lab File: BE099212.D

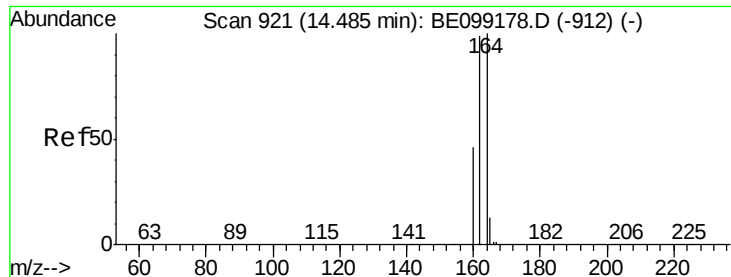
Acq: 26 Mar 2019 12:24

Tgt Ion:	152	Resp:	8966
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.0	22.6



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





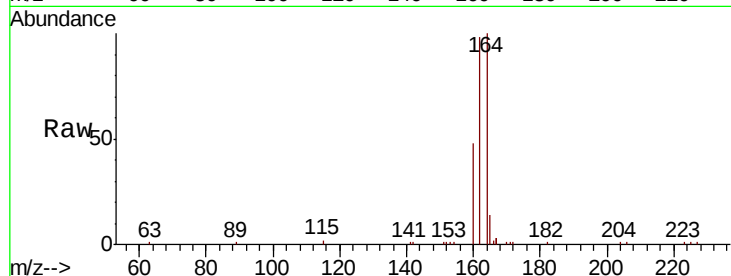
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.2	118.8
160	47.6	36.7	55.1

Manual Integrations
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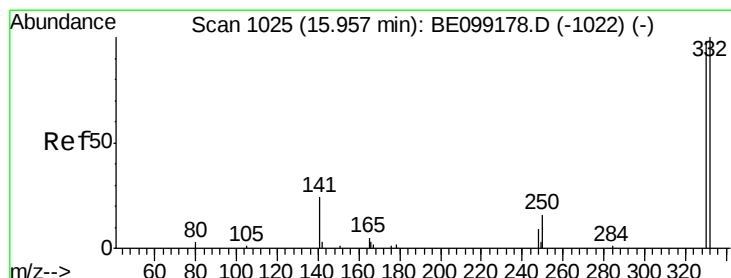
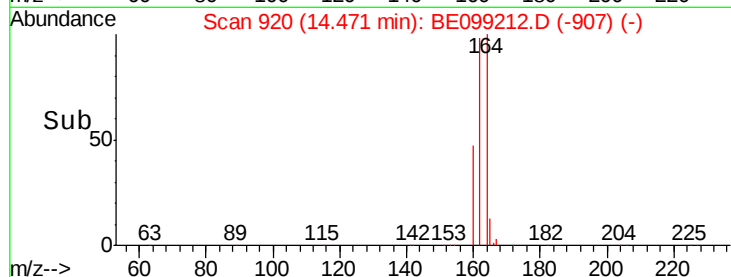
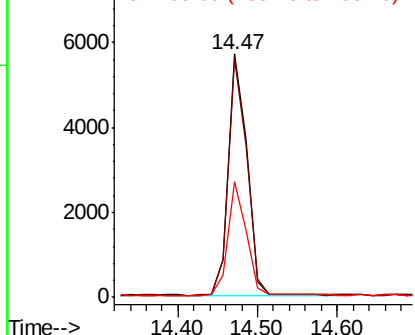


Abundance

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: 0.523 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

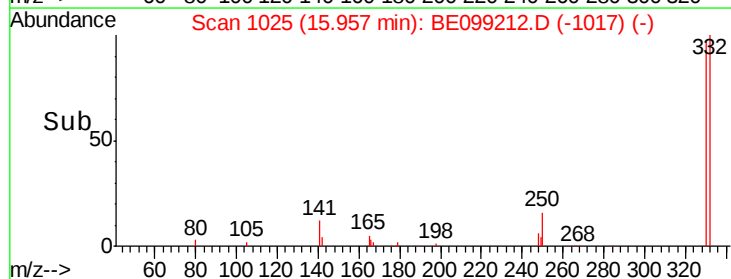
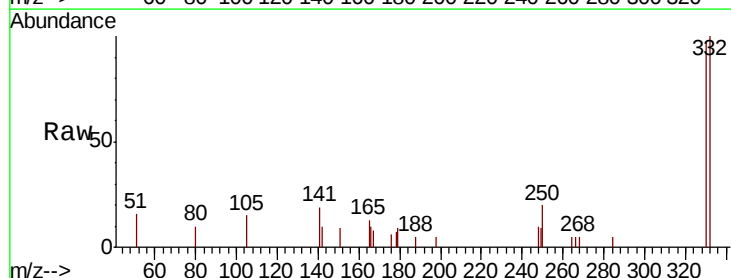
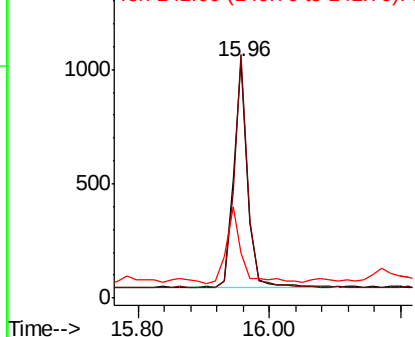
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	71.3	106.9
141	37.1	21.7	32.5#

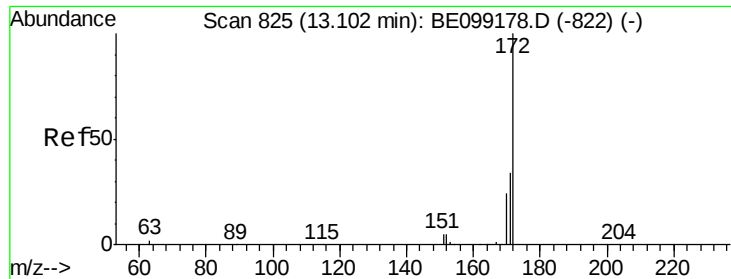
Abundance

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





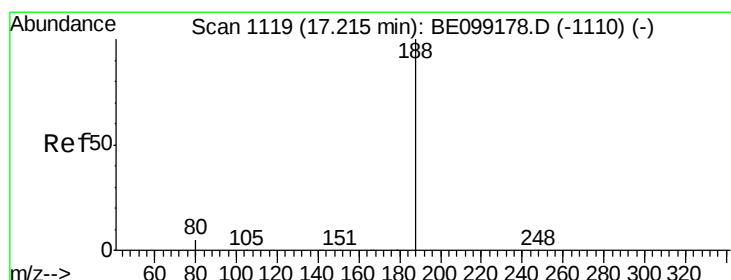
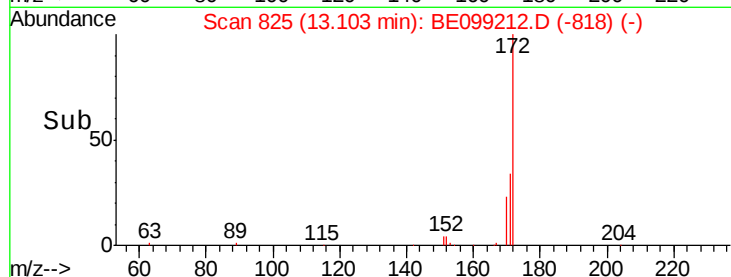
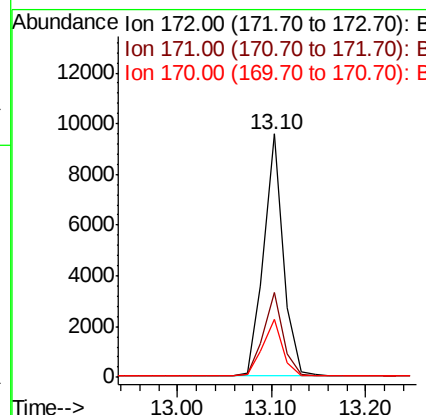
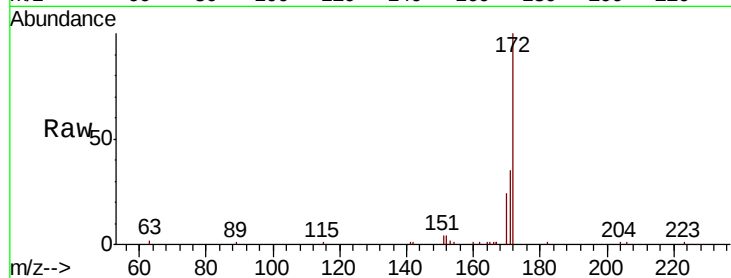
#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.9	19.1	28.7

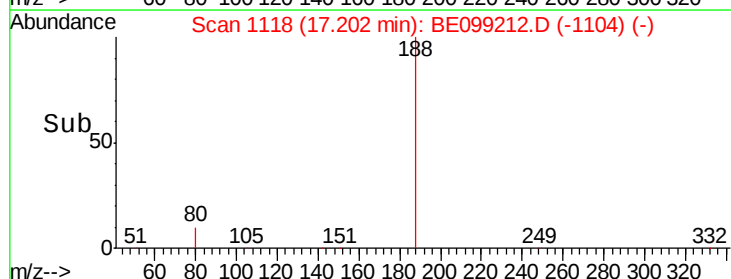
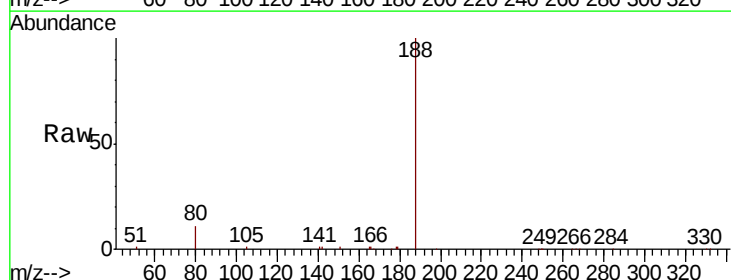
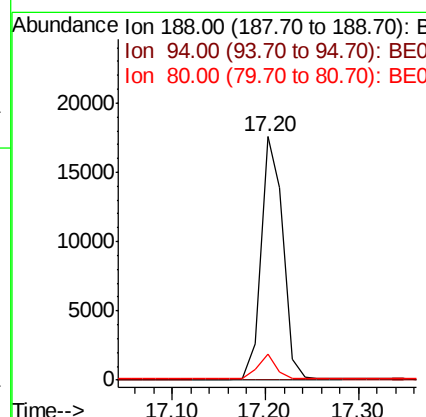
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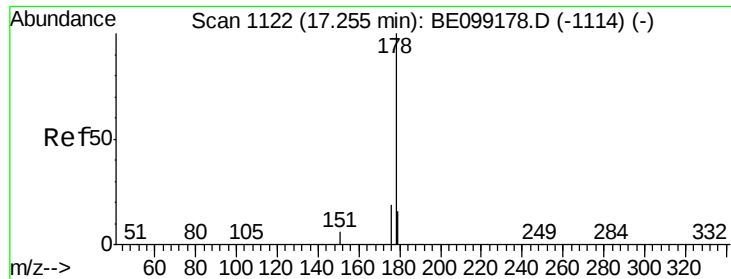
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	4.5	6.7#





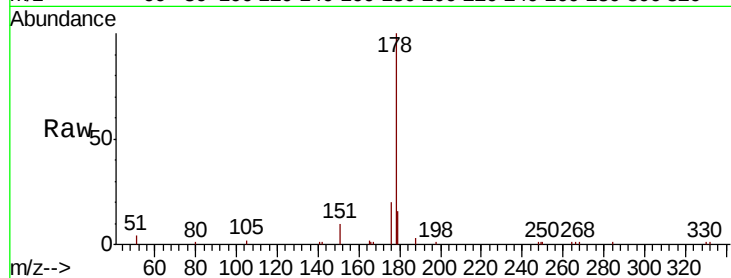
#23
Phenanthrene
Concen: 0.143 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.0	12.3	18.5

Manual Integrations
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3/26/2019 6:17:35 PM

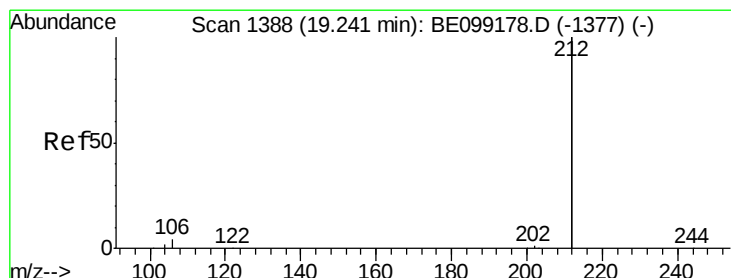
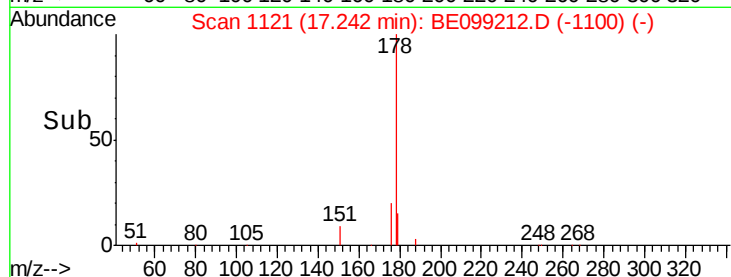
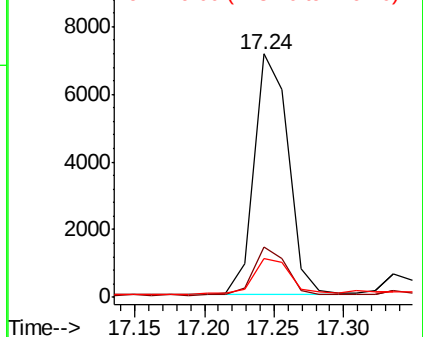


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.24 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

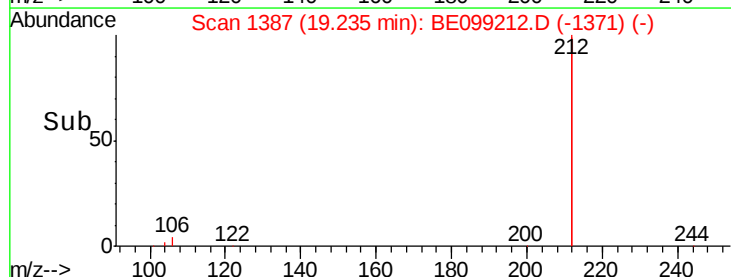
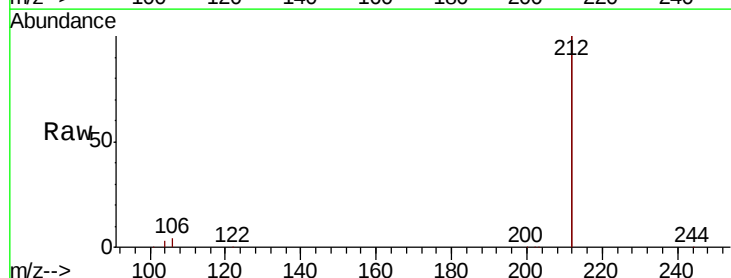
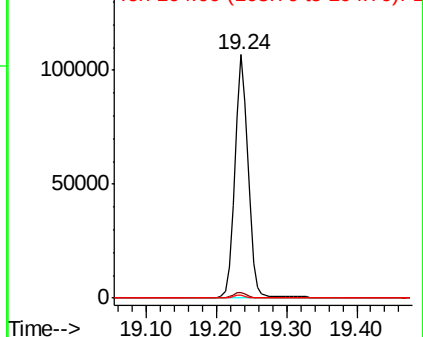
Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.3	1.1	1.7

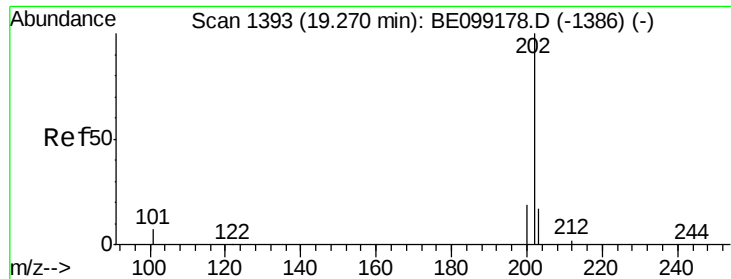
Abundance

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





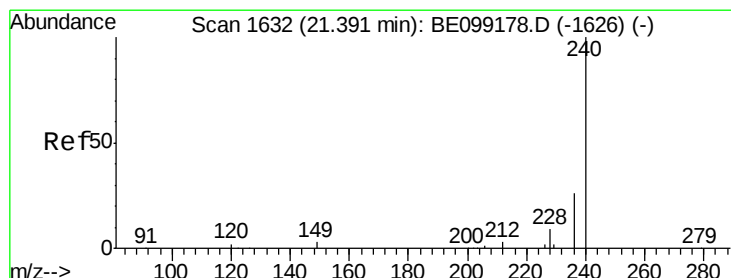
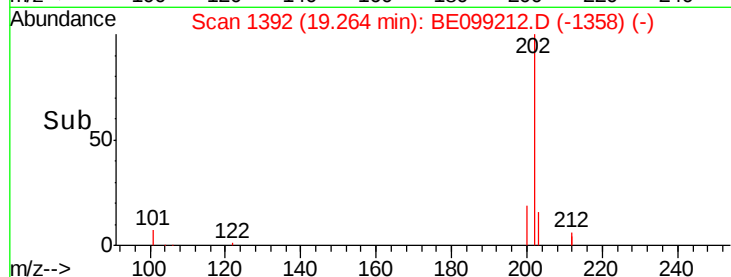
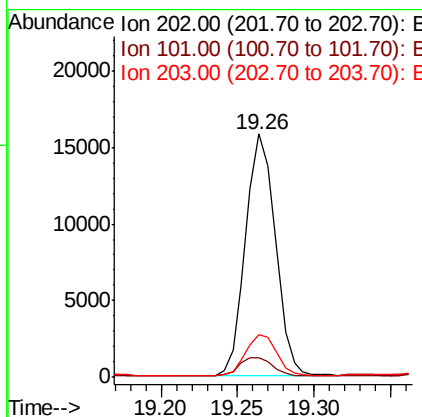
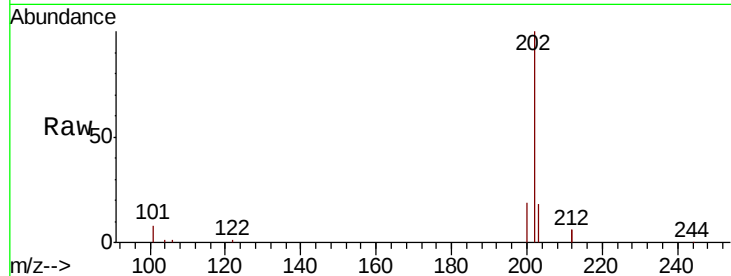
#26
Fluoranthene
Concen: 0.198 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
203	17.1	13.8	20.6

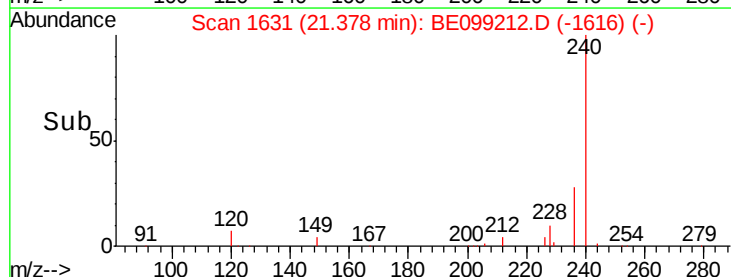
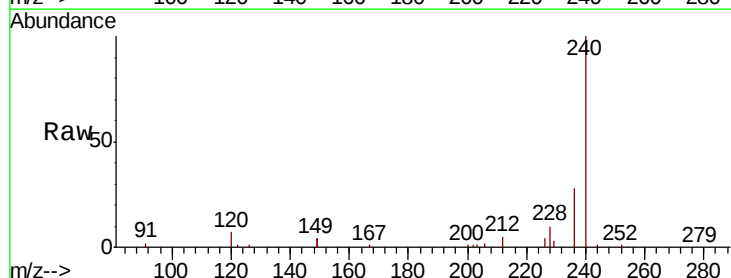
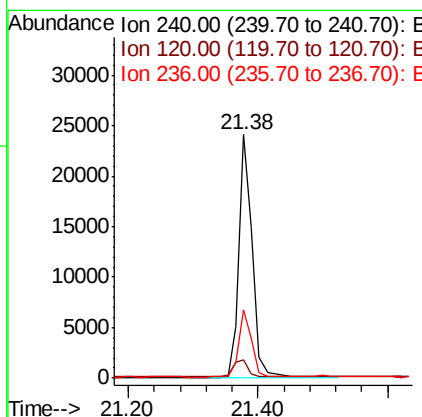
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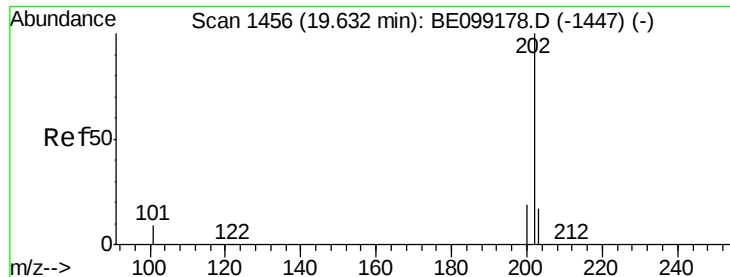
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	2.6	3.8#
236	28.2	20.9	31.3





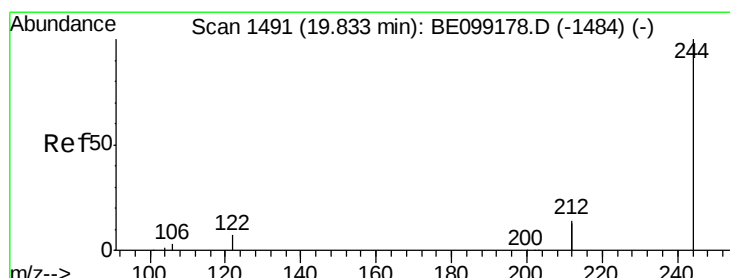
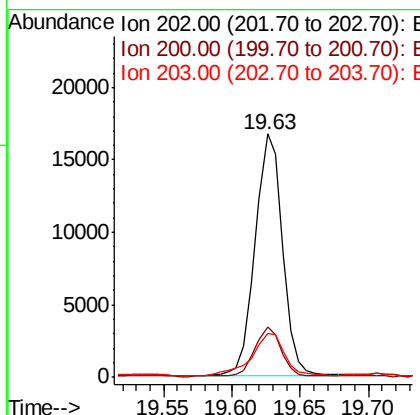
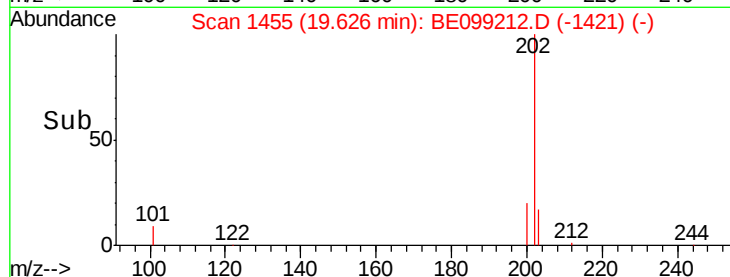
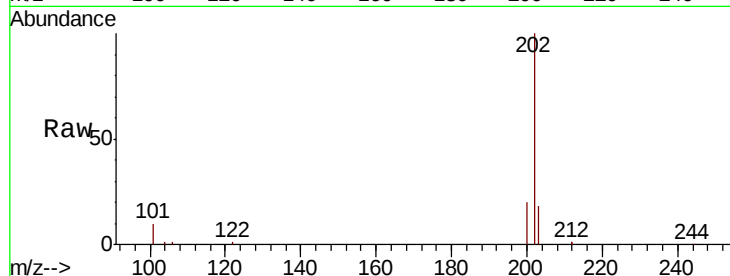
#28
Pvrene
Concen: 0.200 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.8	23.8
203	20.5	14.1	21.1

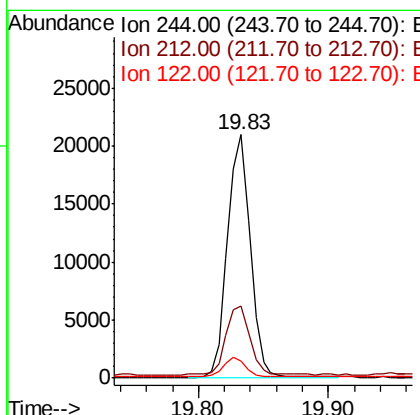
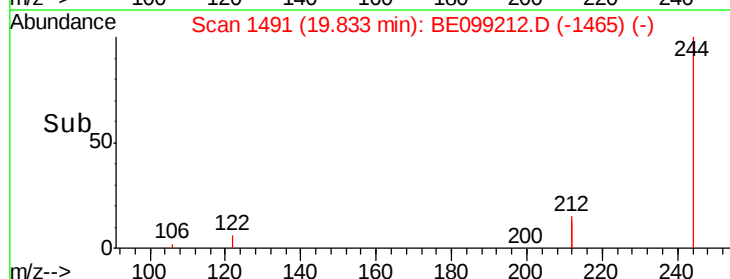
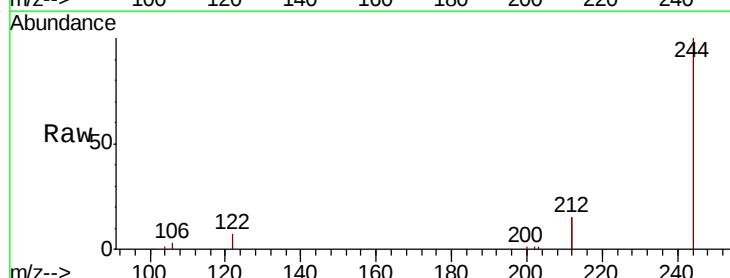
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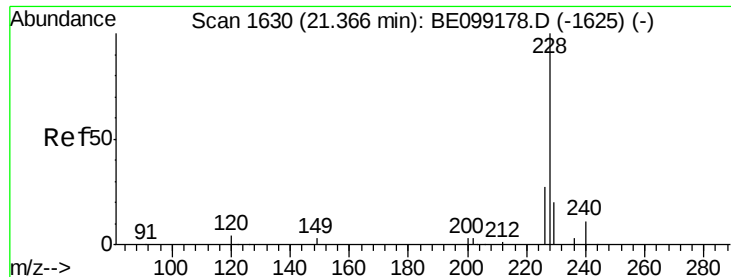
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#29
Terphenyl-d14
Concen: 0.337 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.8	22.7	34.1
122	6.9	5.8	8.6





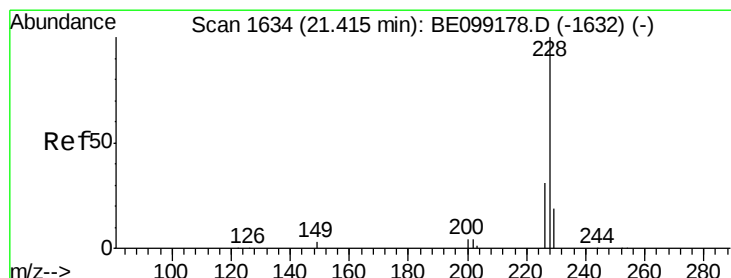
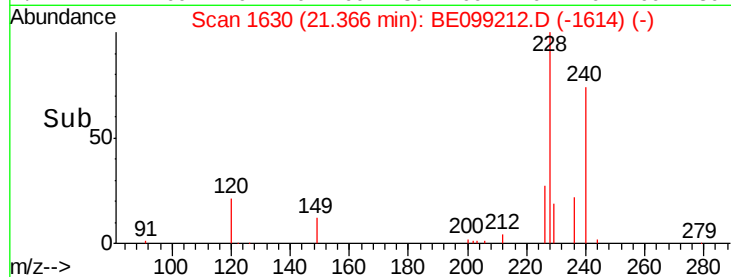
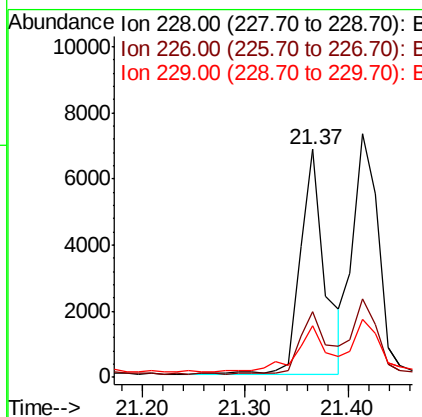
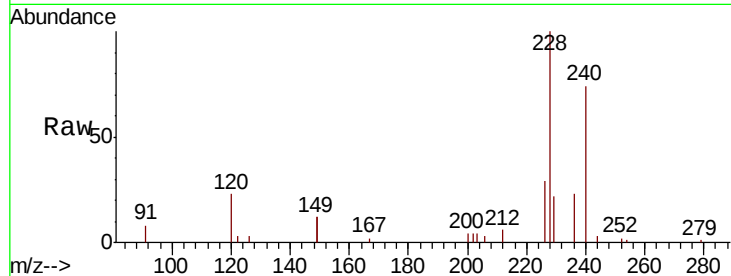
#30
Benzo(a)anthracene
Concen: 0.099 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.7	32.5
229	22.4	15.9	23.9

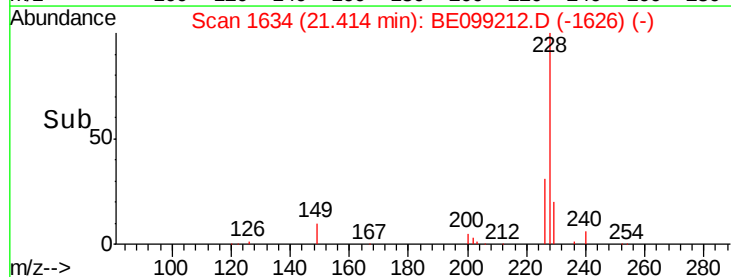
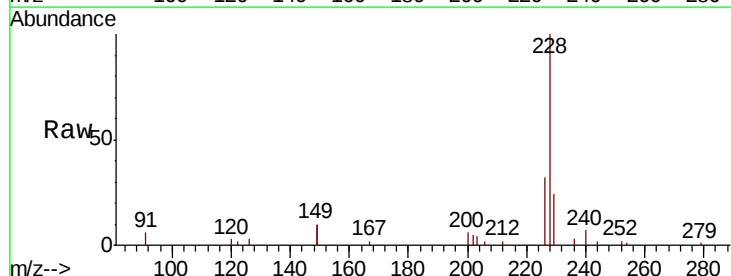
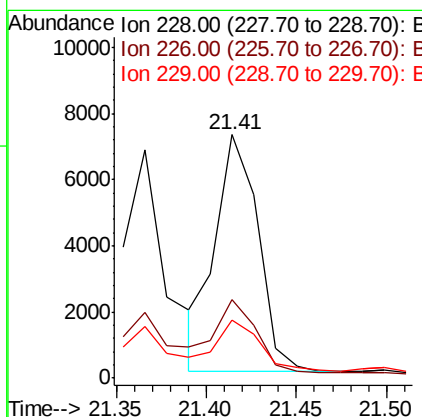
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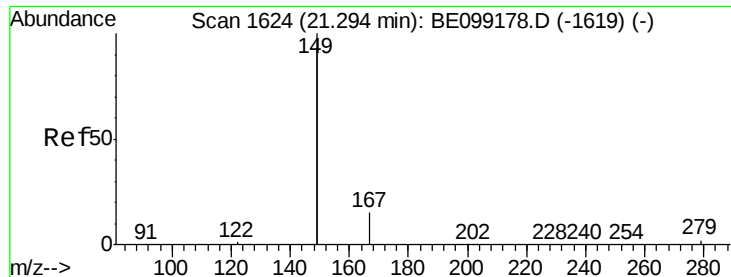
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#31
Chrysene
Concen: 0.097 ng m
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.8	37.2
229	23.7	15.4	23.0





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.149 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

Instrument :

BNA_E

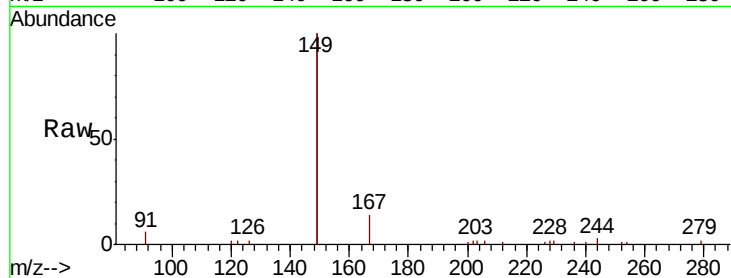
ClientSampleId :

PST-026-SW045-031919

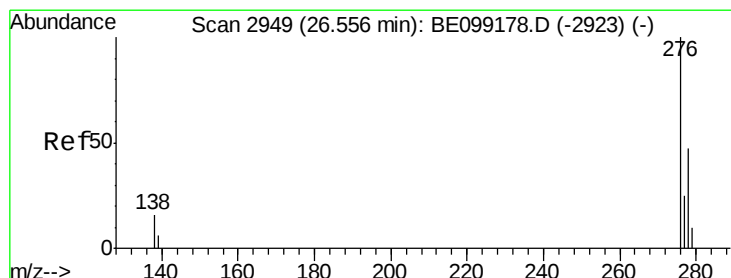
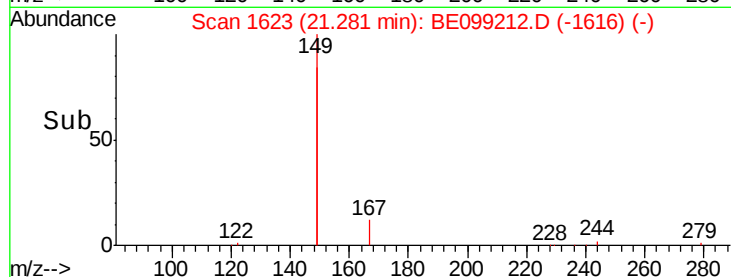
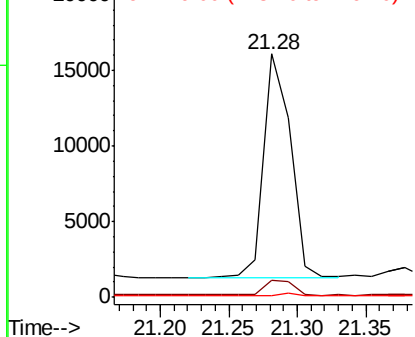
Tot Ion:	149	Resp:	20259
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.9	8.9
279	1.2	1.0	1.6

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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: 0.051 ng

RT: 26.55 min Scan# 2946

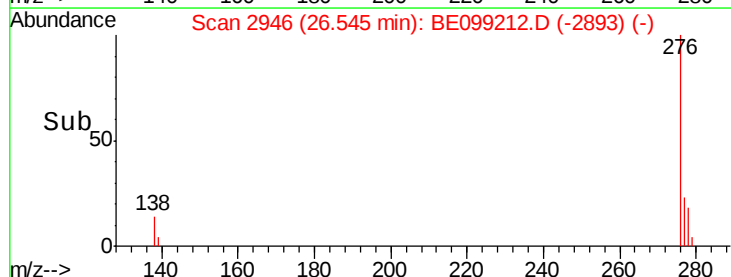
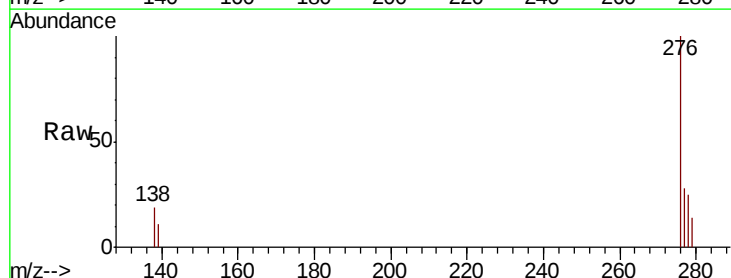
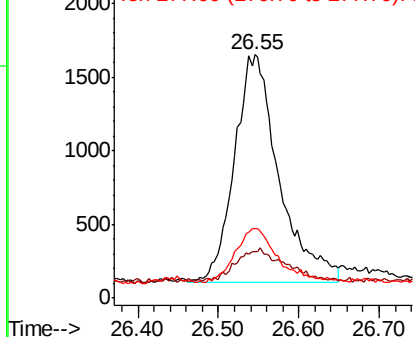
Delta R.T. -0.01 min

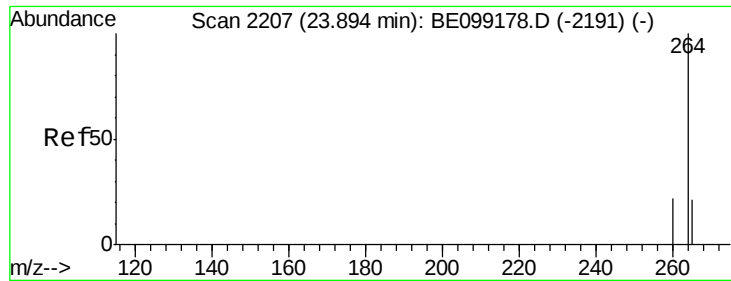
Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

Tgt Ion:	276	Resp:	5933
Ion Ratio	Lower	Upper	
276	100		
138	11.1	12.9	19.3#
277	22.6	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# 2206

Delta R.T. -0.00 min

Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

Instrument :

BNA_E

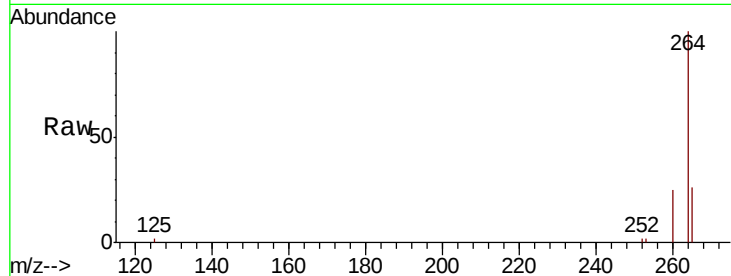
ClientSampleId :

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Tot Ion:	264	Resp:	34181
Ion Ratio	Lower	Upper	
264	100		
260	24.8	18.2	27.2
265	25.9	21.8	32.8

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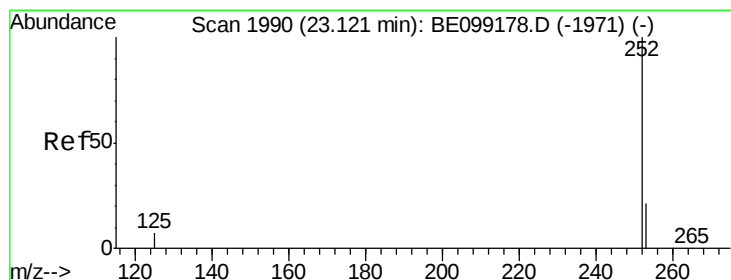
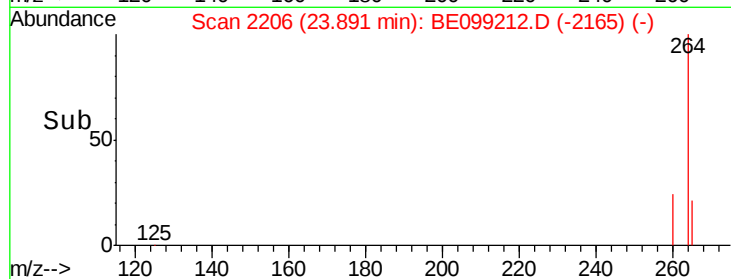
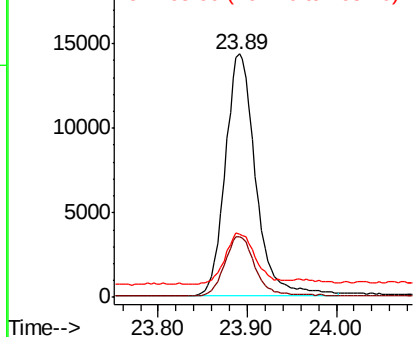


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35

Benzo(b)fluoranthene

Concen: 0.126 ng

RT: 23.12 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BE099212.D

Acq: 26 Mar 2019 12:24

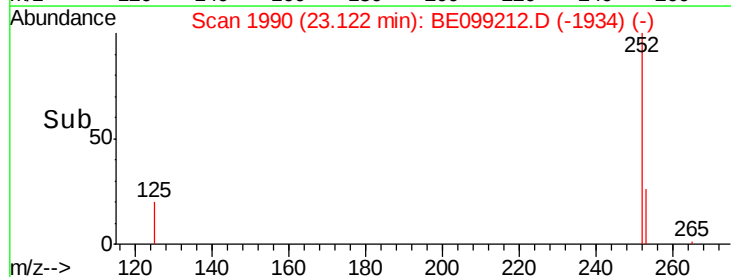
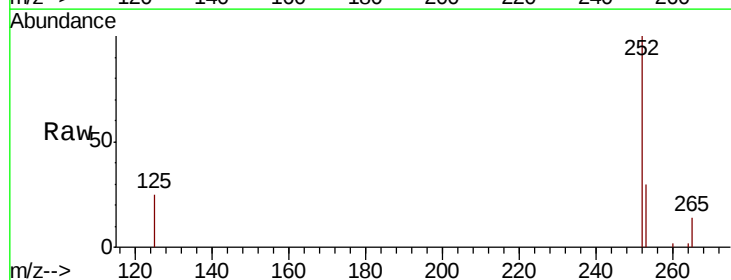
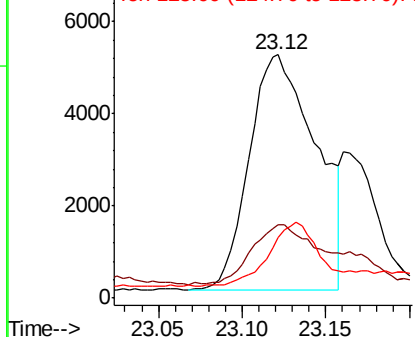
Tgt Ion:	252	Resp:	14135
Ion Ratio	Lower	Upper	
252	100		
253	30.2	17.8	26.8#
125	24.8	6.1	9.1#

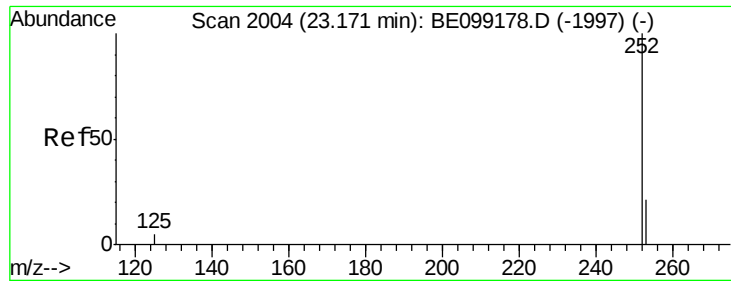
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





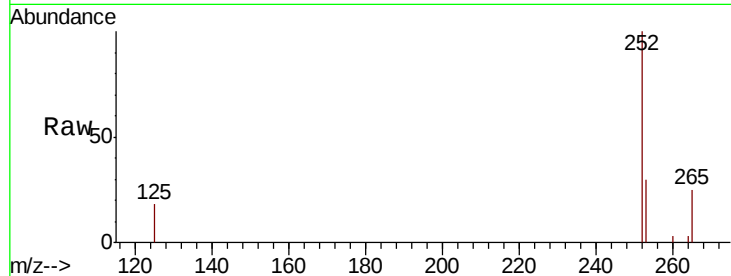
#36
Benzo(k)fluoranthene
Concen: 0.040 ng m
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

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

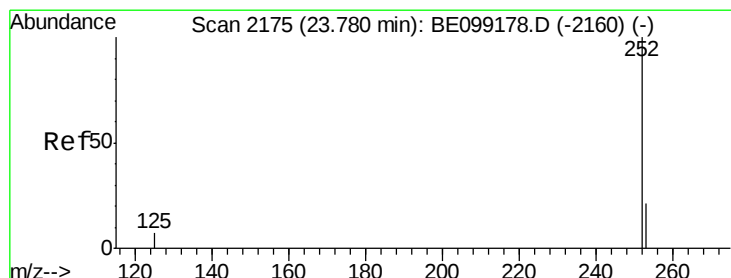
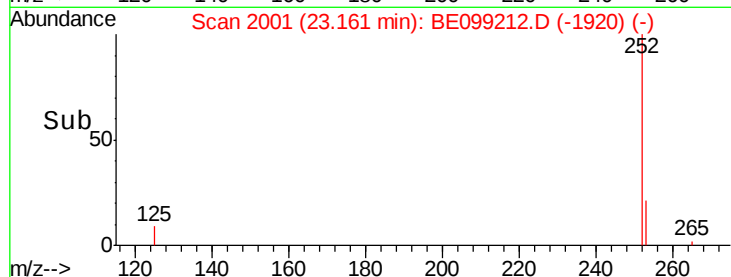
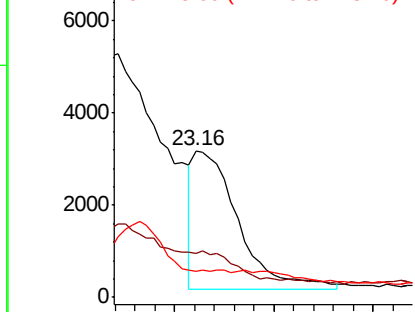
Tot Ion:252 Resp: 4707
Ion Ratio Lower Upper
252 100
253 30.2 17.8 26.6#
125 17.6 5.9 8.9#

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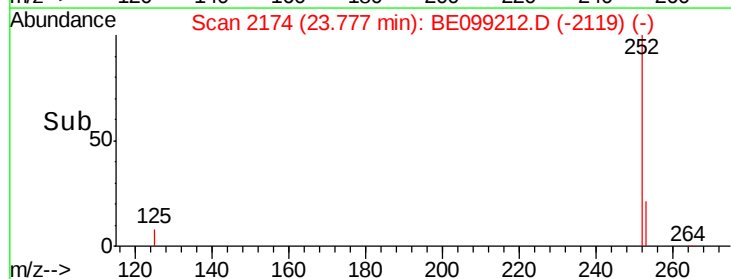
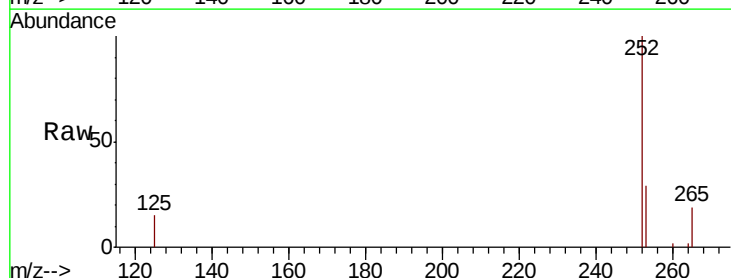
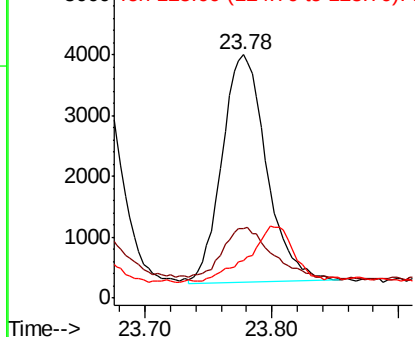
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

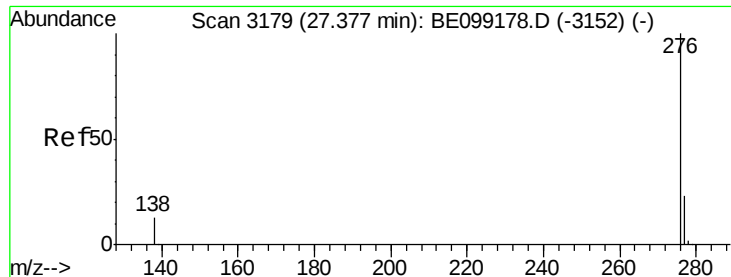


#37
Benzo(a)pyrene
Concen: 0.087 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE099212.D
Acq: 26 Mar 2019 12:24

Tgt Ion:252 Resp: 9122
Ion Ratio Lower Upper
252 100
253 28.6 18.1 27.1#
125 15.3 6.8 10.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.069 ng

RT: 27.37 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE099212.D

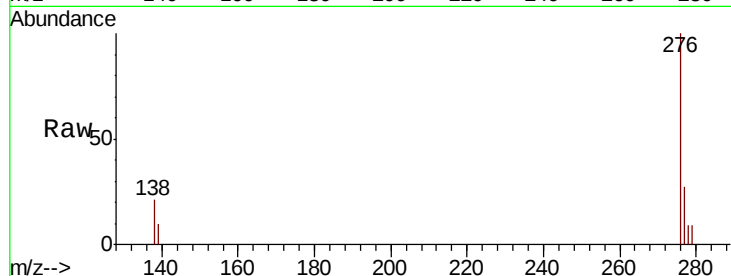
Acq: 26 Mar 2019 12:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919



Tot Ion:	276	Resp:	6464
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.0	28.4
138	20.8	11.1	16.7#

Manual Integrations
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