

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099119.D
 Acq On : 23 Mar 2019 19:32
 Operator : JU/SJ
 Sample : K2014-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW077-031919

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:37:13 PM

Quant Time: Mar 24 03:37:39 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	3098	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	11724	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	7835	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	22827	0.40	ng	0.00
27) Chrysene-d12	21.39	240	33229	0.40	ng	0.00
34) Perylene-d12	23.90	264	35786	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4059	0.44	ng	0.00
5) Phenol-d6	6.99	99	5889	0.44	ng	0.00
8) Nitrobenzene-d5	8.99	82	4073	0.79	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8583	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1499	0.65	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12298	0.39	ng	-0.01
25) Fluoranthene-d10	19.24	212	133961	0.44	ng	0.00
29) Terphenyl-d14	19.83	244	22899	0.33	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.26	178	4175	0.062	ng	97
26) Fluoranthene	19.27	202	7976	0.084	ng	# 94
28) Pyrene	19.63	202	7877	0.070	ng	# 95
30) Benzo(a)anthracene	21.37	228	4147	0.035	ng	# 88
31) Chrysene	21.43	228	4744	0.041	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.29	149	25181	0.166	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.55	276	2667	0.021	ng	# 89
35) Benzo(b)fluoranthene	23.12	252	5993	0.048	ng	# 70
36) Benzo(k)fluoranthene	23.17	252	2451m	0.020	ng	
37) Benzo(a)pyrene	23.78	252	3930	0.034	ng	# 66
39) Benzo(a,h,i)perylene	27.37	276	2687	0.024	ng	# 76

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

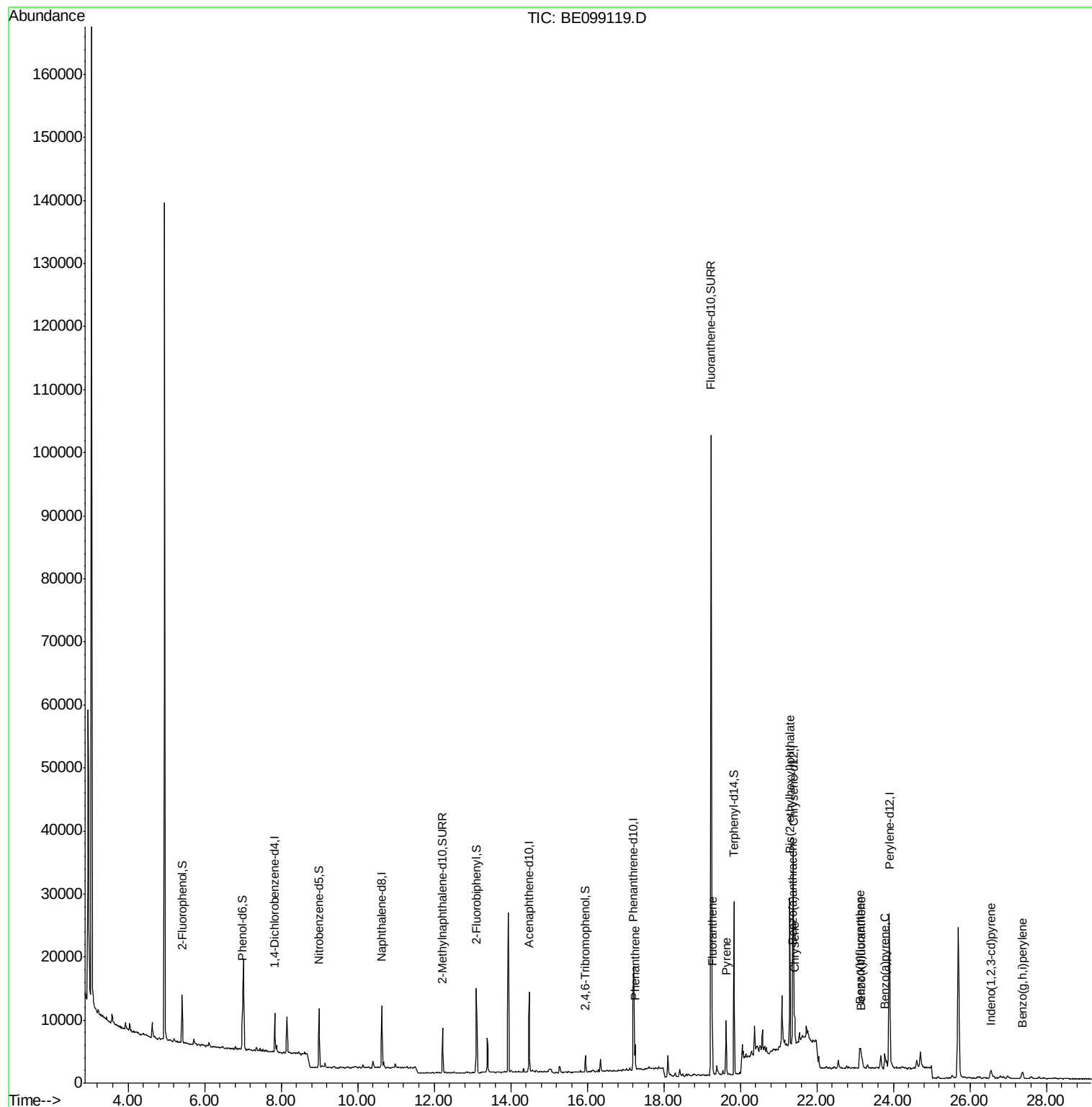
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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ALS Vial : 18 Sample Multiplier: 1

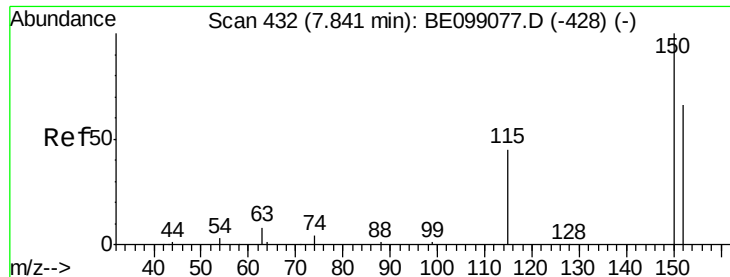
Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

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#1

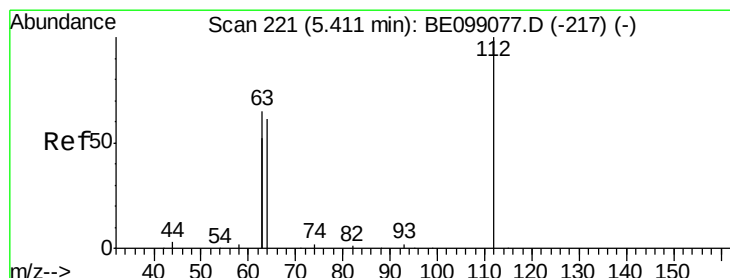
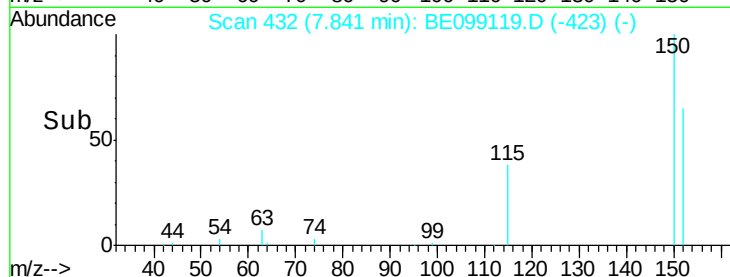
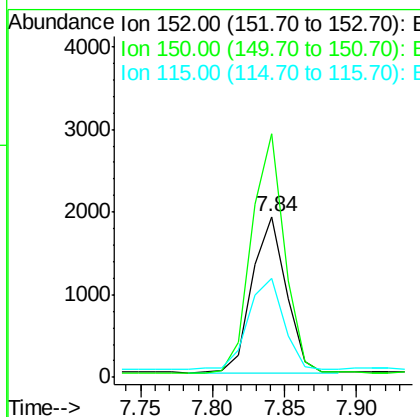
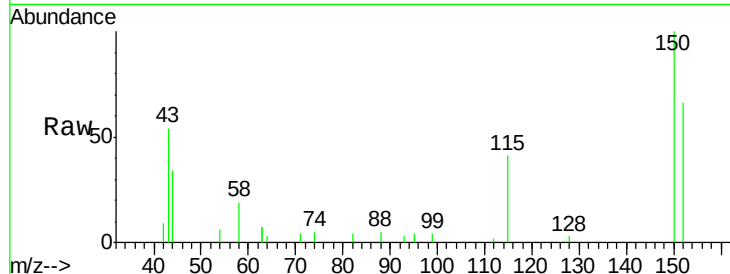
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	122.5	183.7
115	61.6	57.4	86.2

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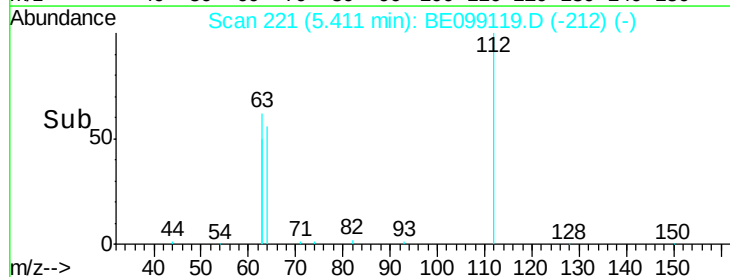
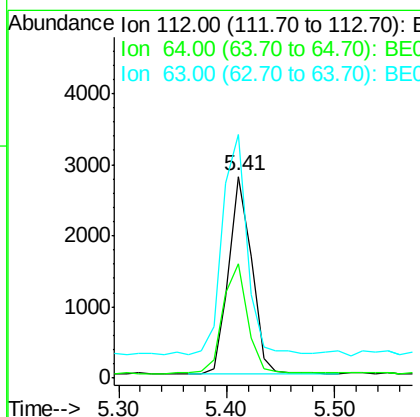
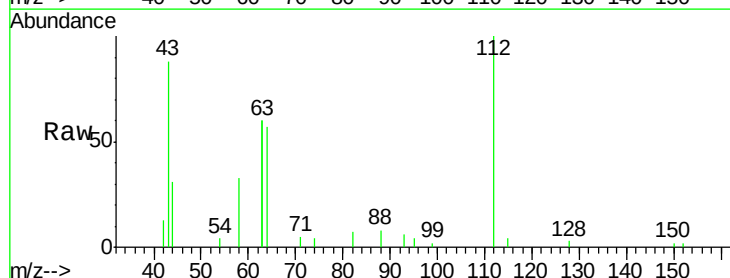
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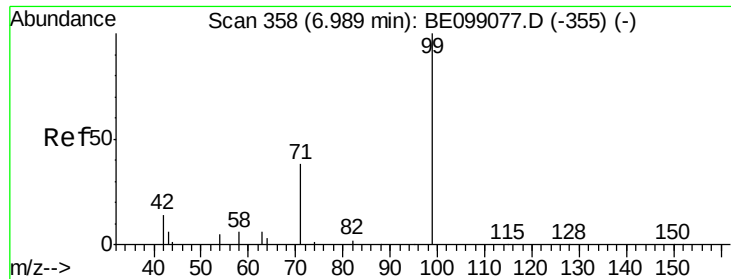


#4

2-Fluorophenol
Concen: 0.440 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	57.9	86.9
63	121.5	158.3	237.5





#5

Phenol-d6

Concen: 0.443 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Instrument :

BNA_E

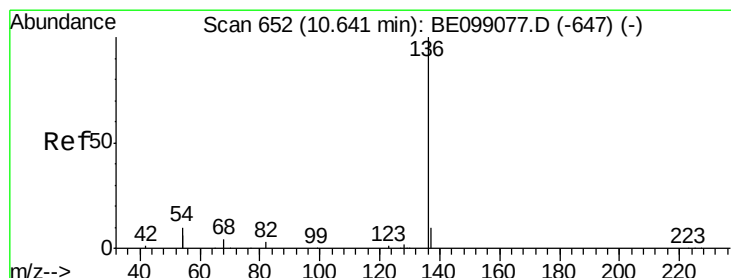
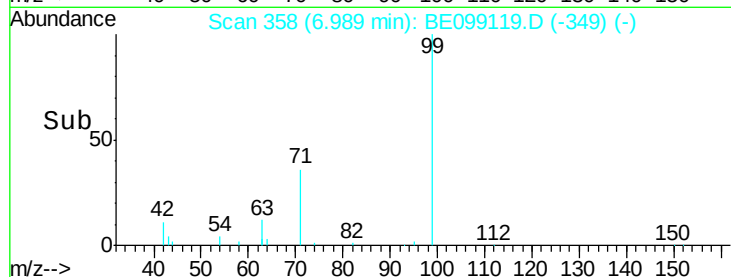
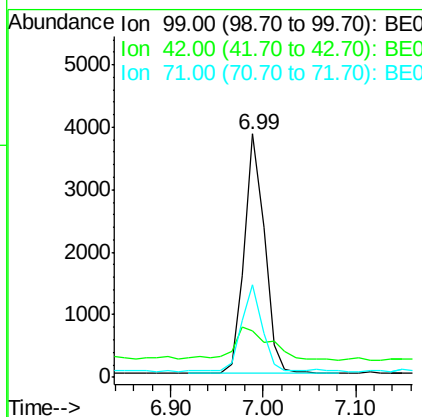
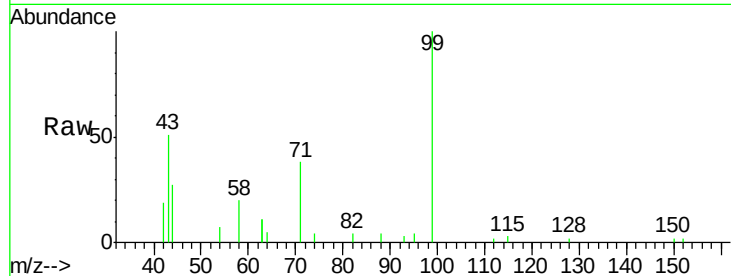
ClientSampleId :

PST-026-SW077-031919

Tot Ion:	99	Resp:	5889
Ion	Ratio	Lower	Upper
99	100		
42	24.6	24.2	36.2
71	36.6	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

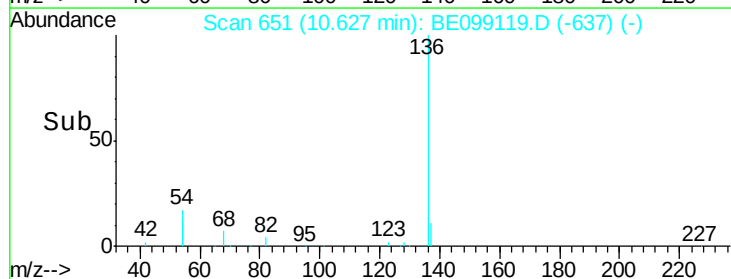
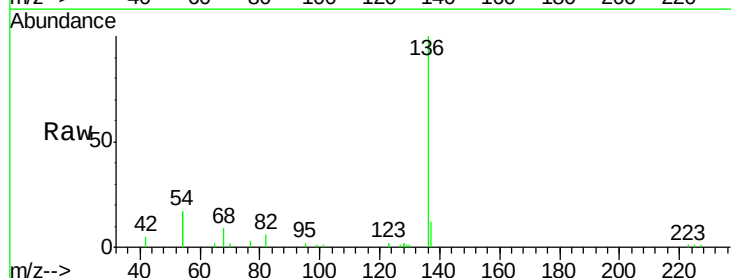
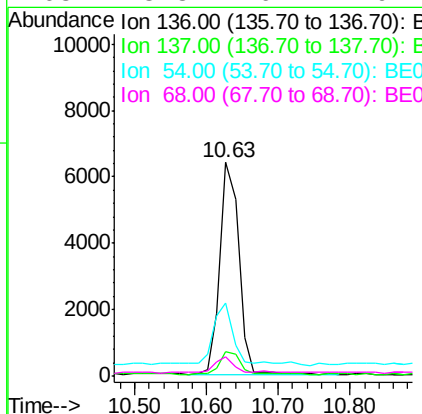
RT: 10.63 min Scan# 651

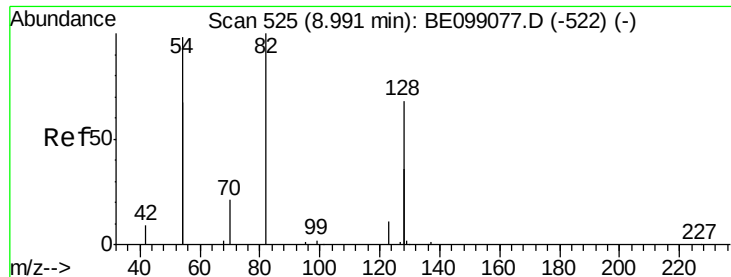
Delta R.T. -0.01 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Tgt Ion:	136	Resp:	11724
Ion	Ratio	Lower	Upper
136	100		
137	11.5	11.4	17.0
54	34.2	39.3	58.9#
68	8.8	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.795 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Instrument :

BNA_E

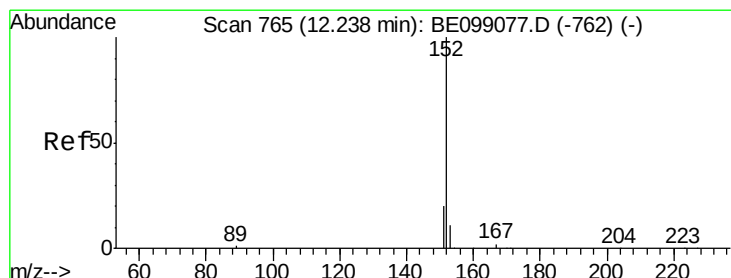
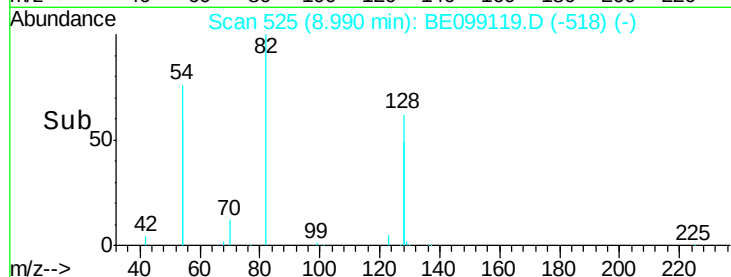
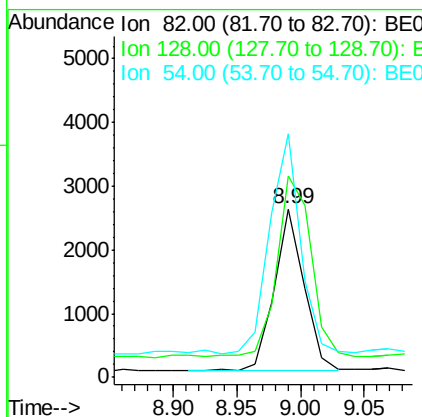
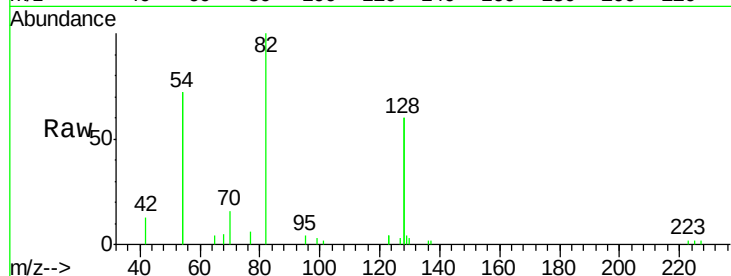
ClientSampleId :

PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
82	100		
128	119.5	123.8	185.8#
54	144.5	203.4	305.2#

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#11

2-Methylnaphthalene-d10

Concen: 0.406 ng

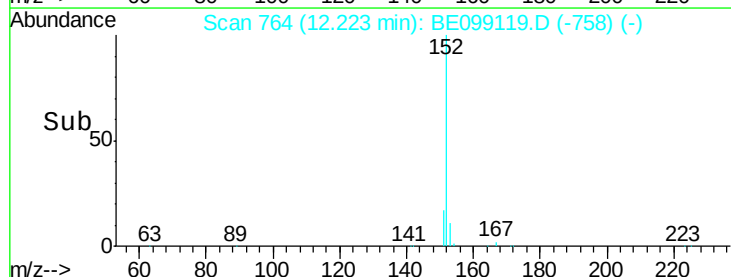
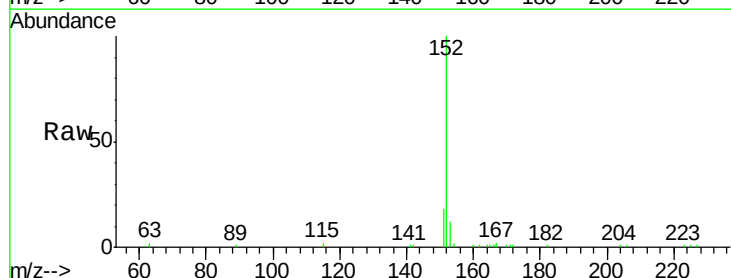
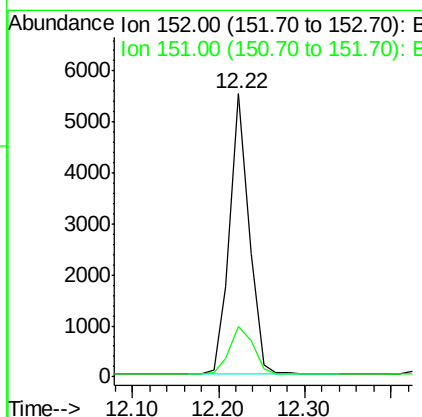
RT: 12.22 min Scan# 764

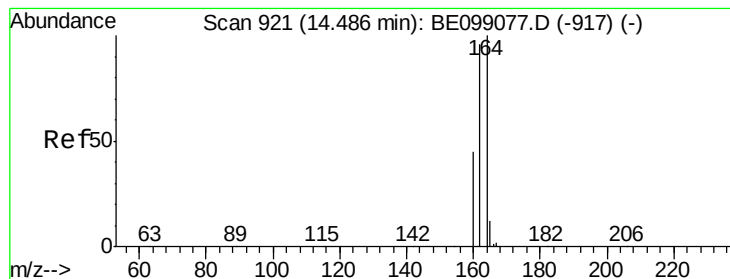
Delta R.T. -0.01 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	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: BE099119.D

Acq: 23 Mar 2019 19:32

Instrument :

BNA_E

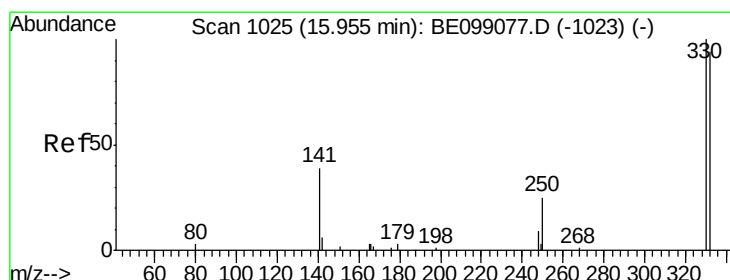
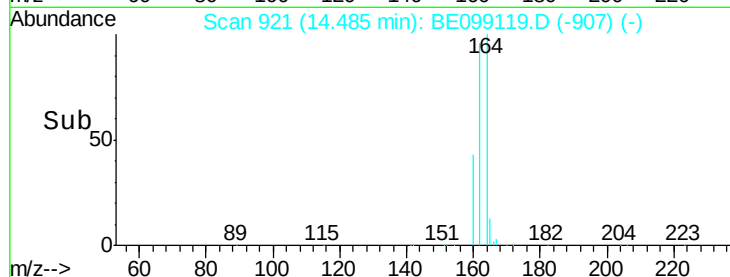
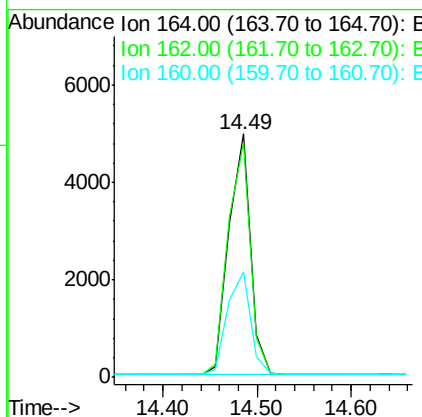
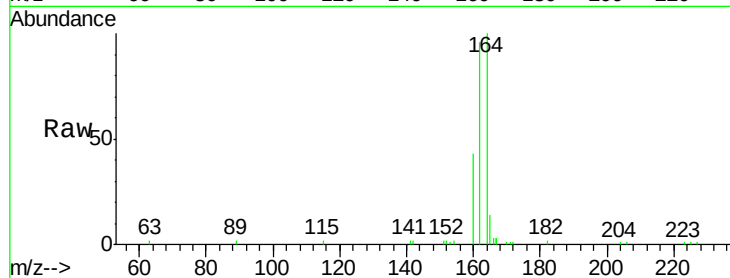
ClientSampleId :

PST-026-SW077-031919

Tot Ion:	164	Resp:	7835
Ion Ratio	Lower	Upper	
164	100		
162	96.5	80.2	120.2
160	43.2	37.8	56.8

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#14

2,4,6-Tribromophenol

Concen: 0.651 ng

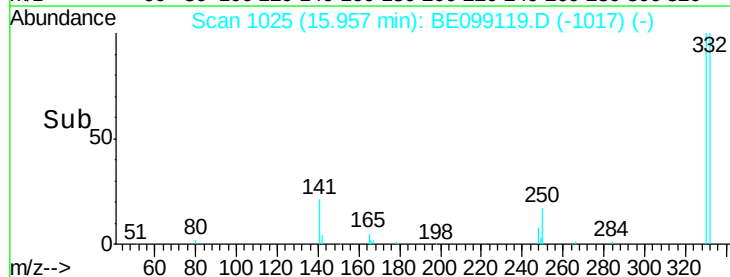
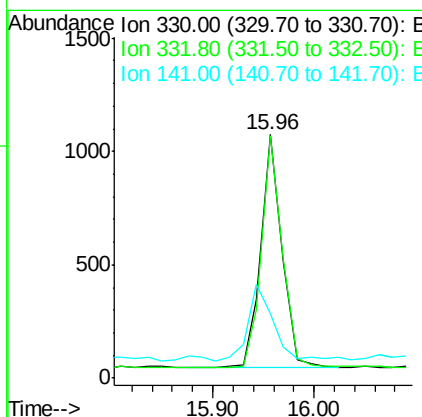
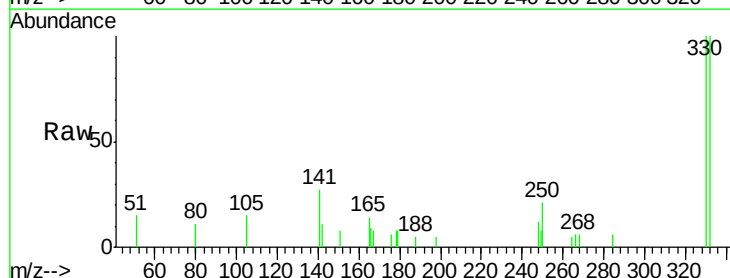
RT: 15.96 min Scan# 1025

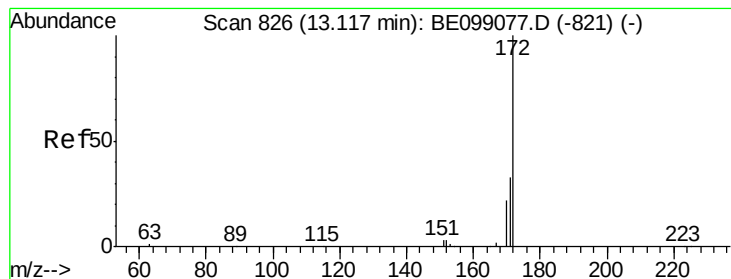
Delta R.T. 0.00 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Tgt Ion:	330	Resp:	1499
Ion Ratio	Lower	Upper	
330	100		
332	98.9	77.6	116.4
141	39.7	31.0	46.4





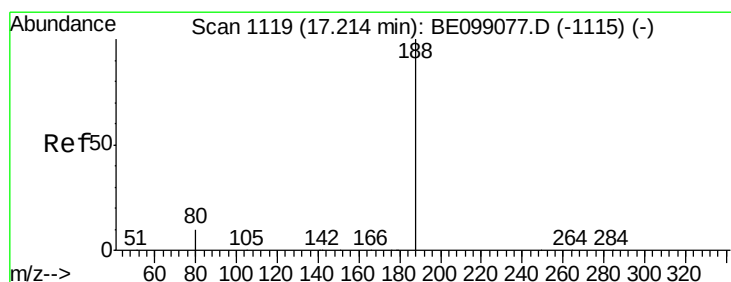
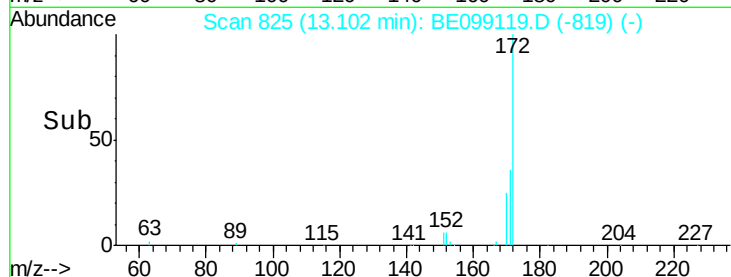
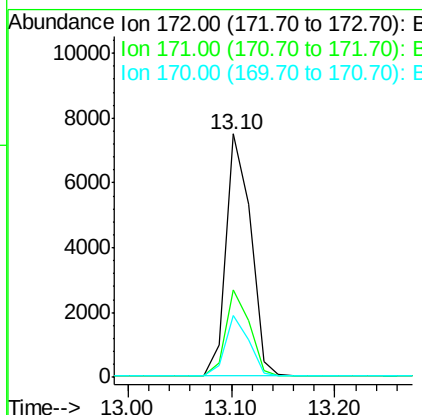
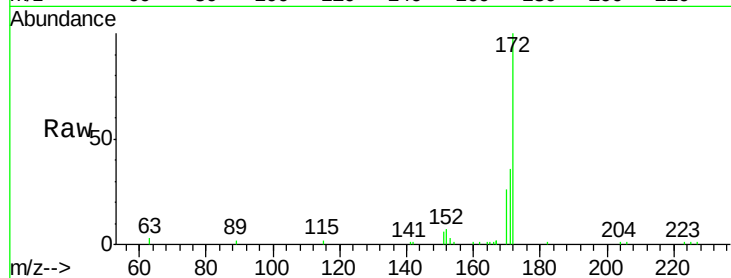
#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.0	42.0
170	25.6	17.7	26.5

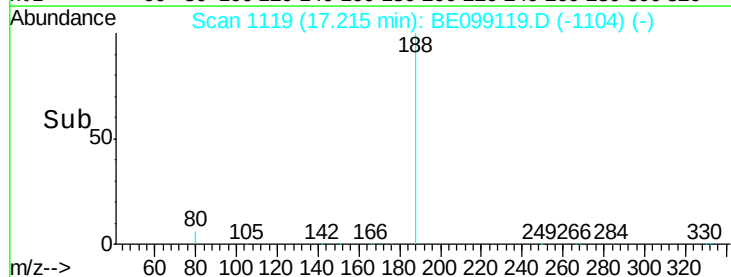
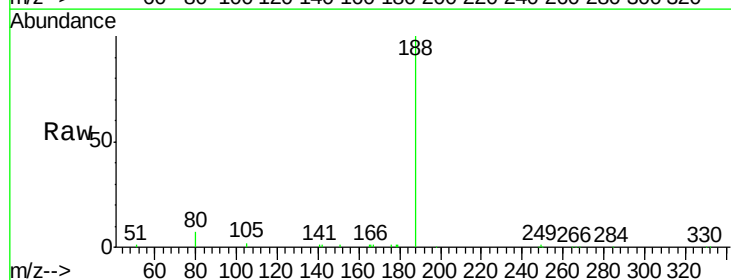
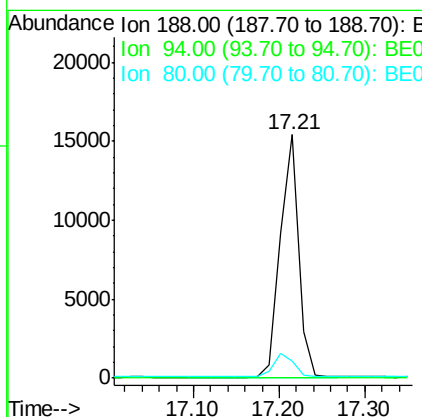
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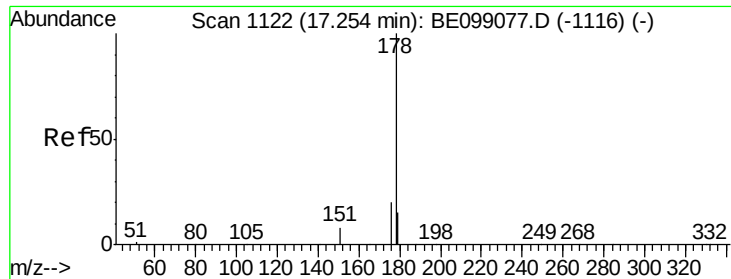
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	6.3	9.5





#23

Phenanthrene

Concen: 0.062 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Instrument :

BNA_E

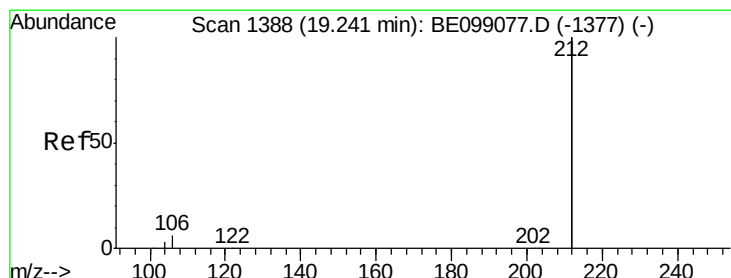
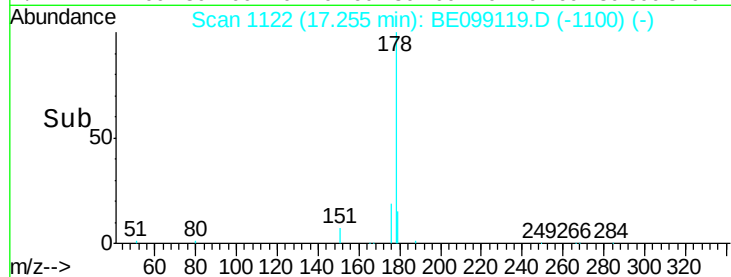
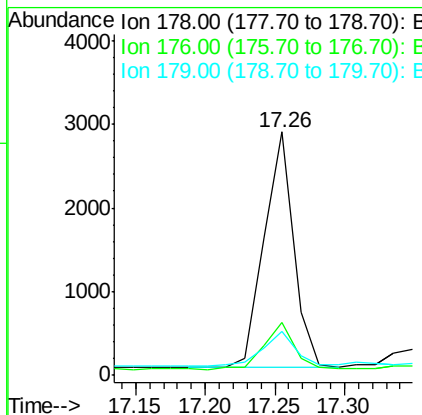
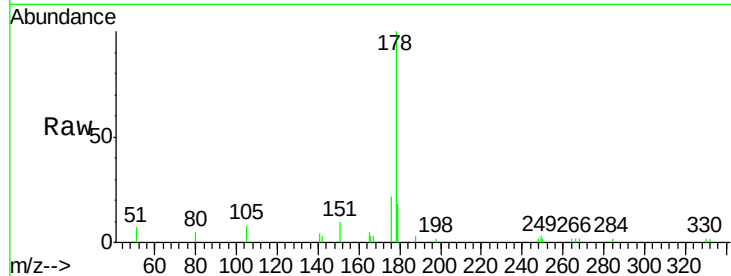
ClientSampleId :

PST-026-SW077-031919

Tot Ion:	178	Resp:	4175
Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	17.7	12.1	18.1

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.440 ng

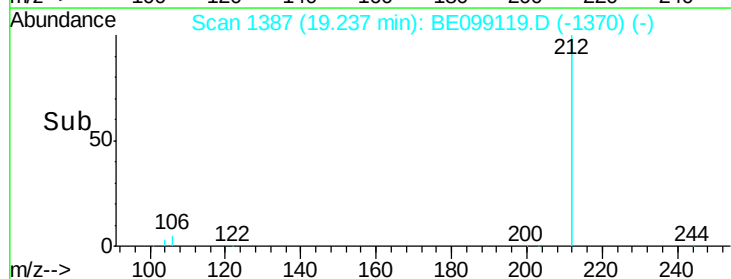
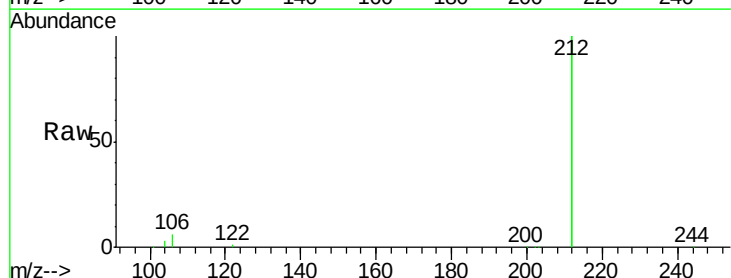
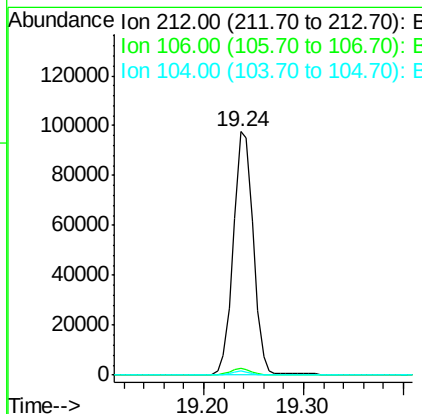
RT: 19.24 min Scan# 1387

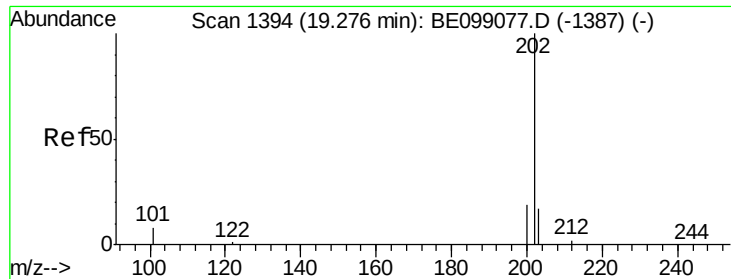
Delta R.T. -0.00 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Tgt Ion:	212	Resp:	133961
Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.5	1.0	1.6





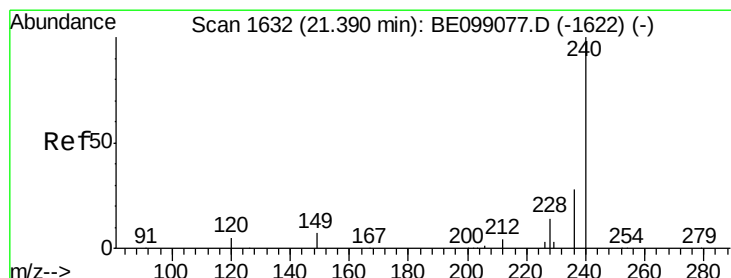
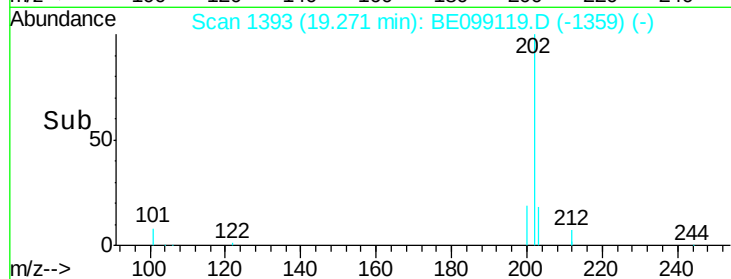
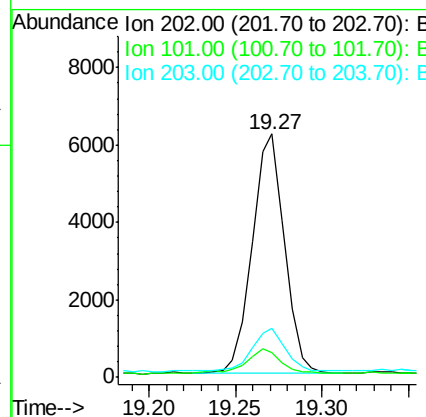
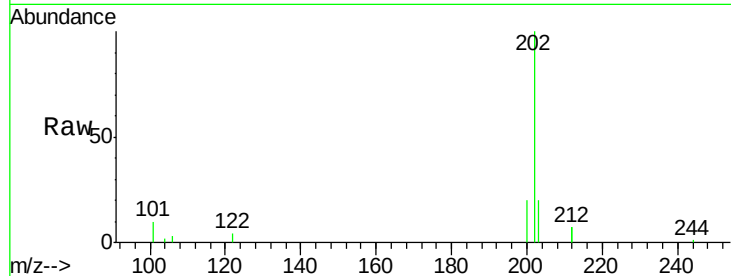
#26
Fluoranthene
Concen: 0.084 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.3	10.9#
203	19.2	13.4	20.2

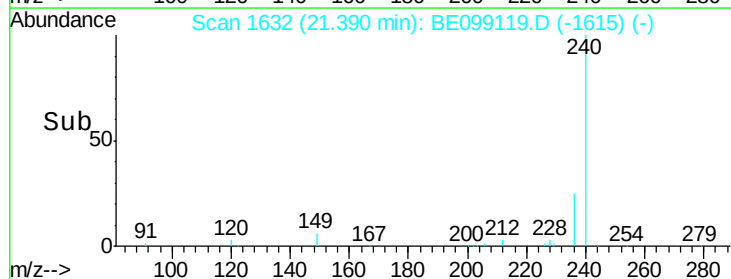
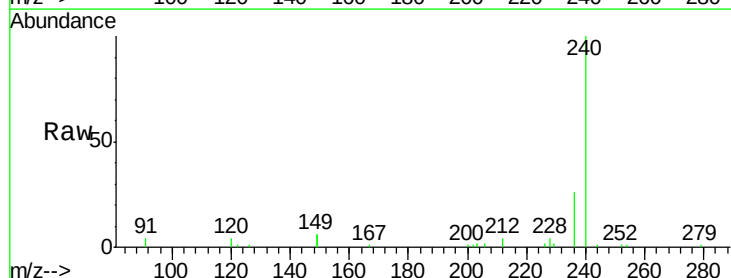
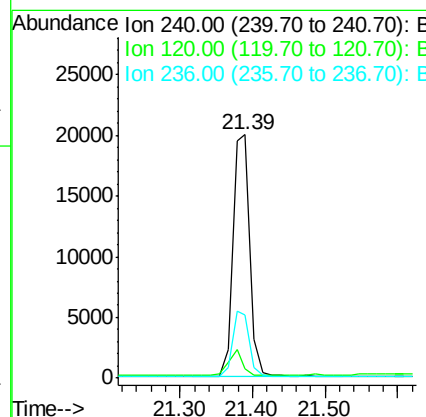
Manual Integrations
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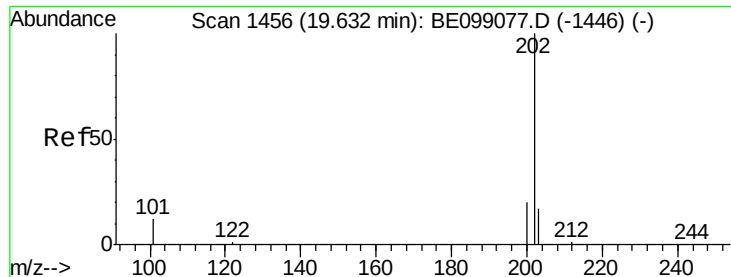
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	5.0	7.4#
236	25.9	22.7	34.1





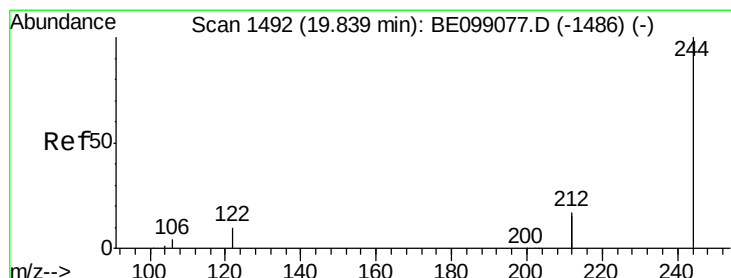
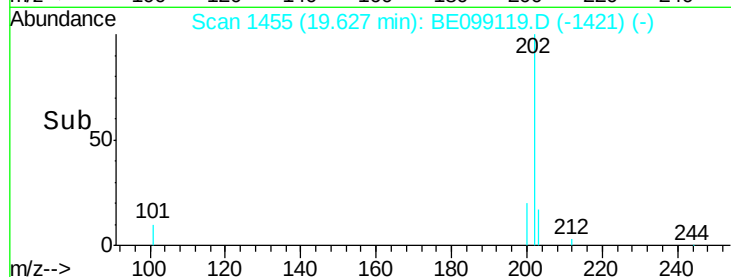
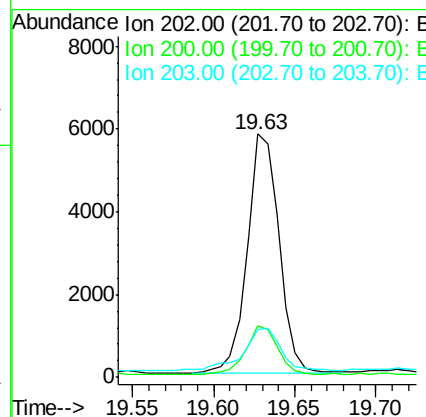
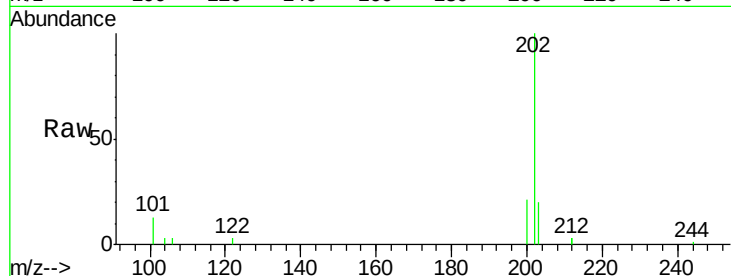
#28
Pvrene
Concen: 0.070 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	21.3	14.2	21.2

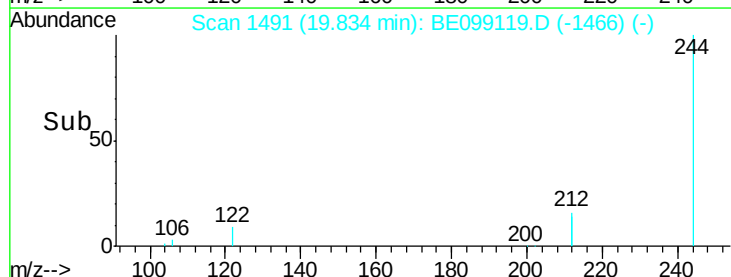
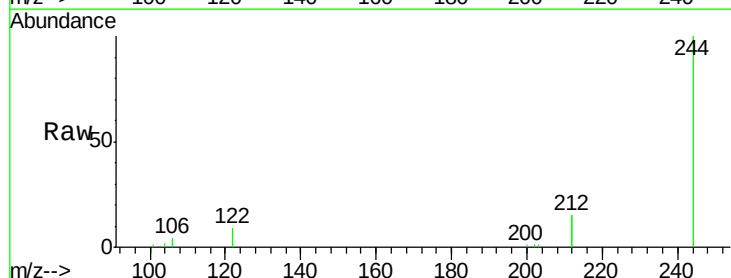
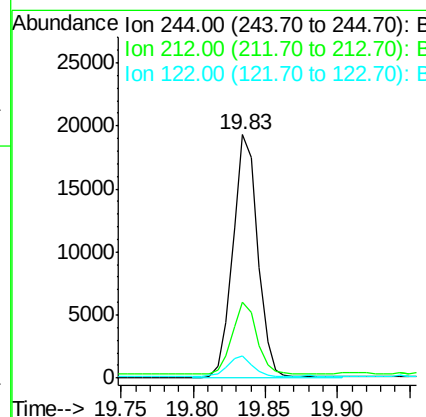
Manual Integrations
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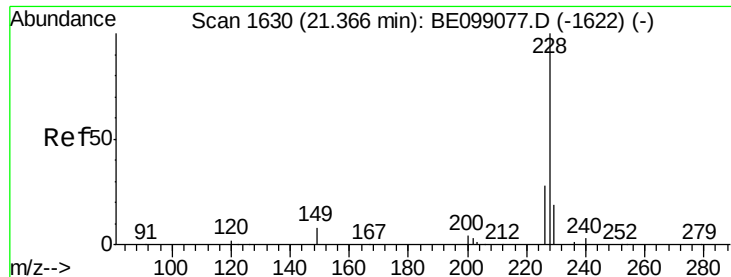
Sohil
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#29
Terphenyl-d14
Concen: 0.326 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.0	29.4	44.2
122	9.3	7.1	10.7





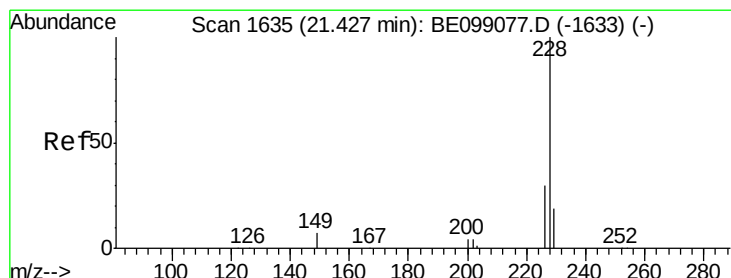
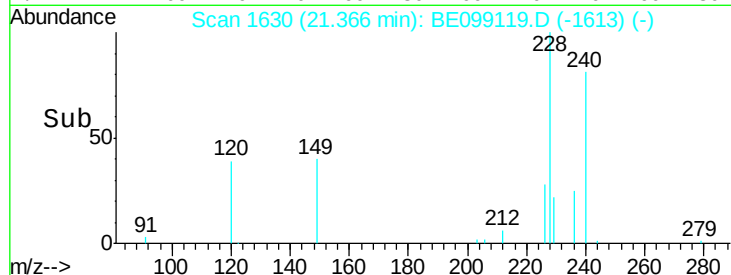
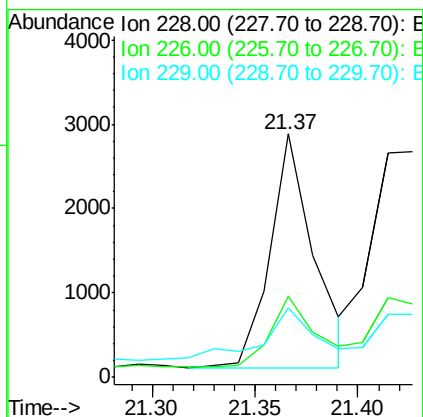
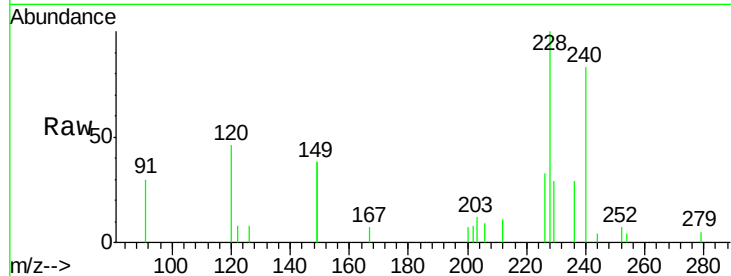
#30
Benzo(a)anthracene
Concen: 0.035 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.0	34.4
229	28.8	16.5	24.7

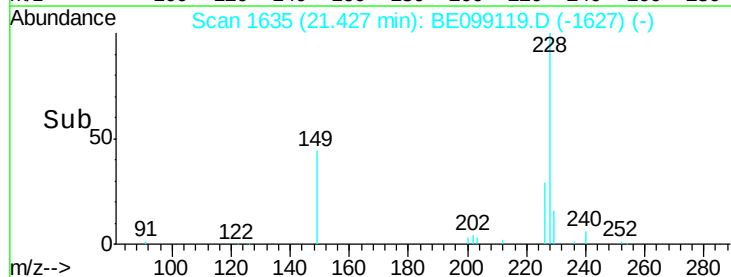
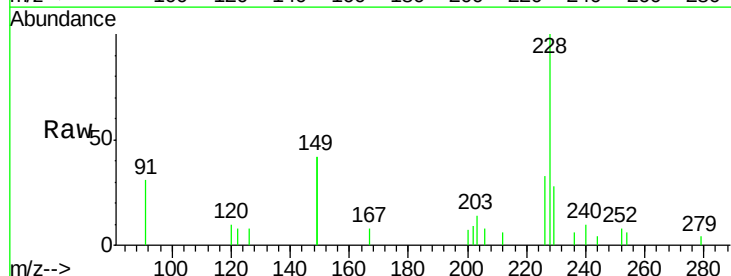
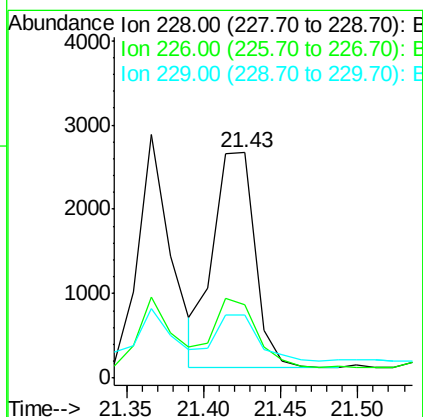
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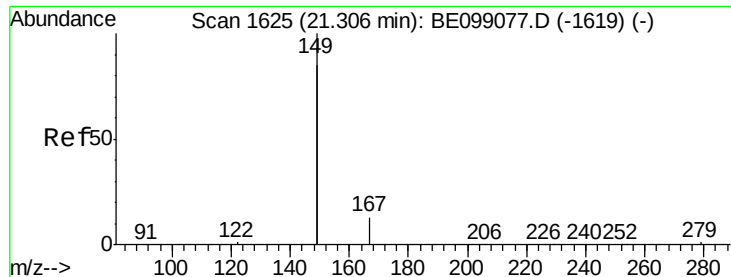
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#31
Chrysene
Concen: 0.041 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.7	35.5
229	28.2	16.1	24.1





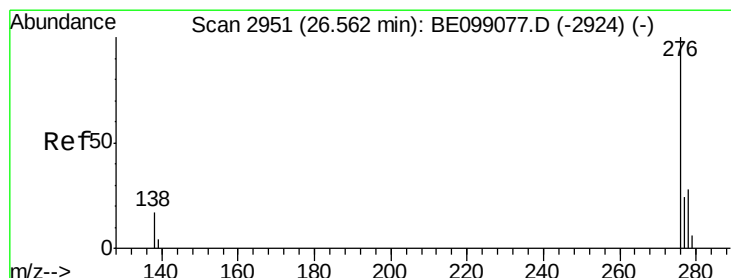
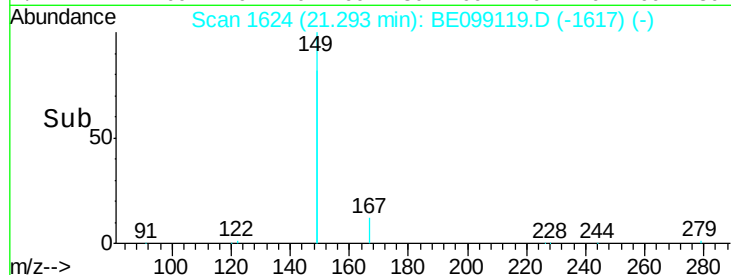
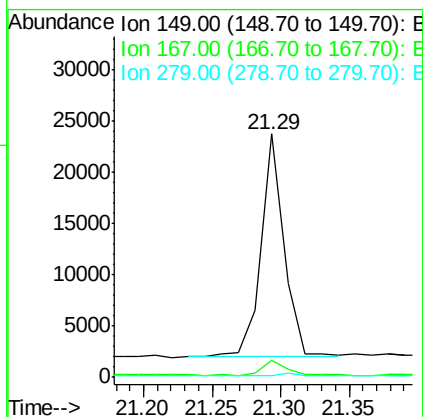
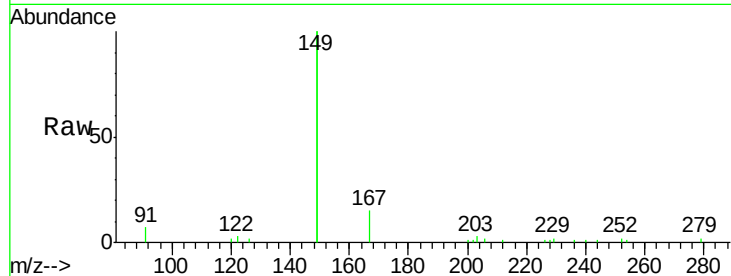
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.166 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE099119.D
 Acq: 23 Mar 2019 19:32

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.0
279	1.5	1.0	1.4

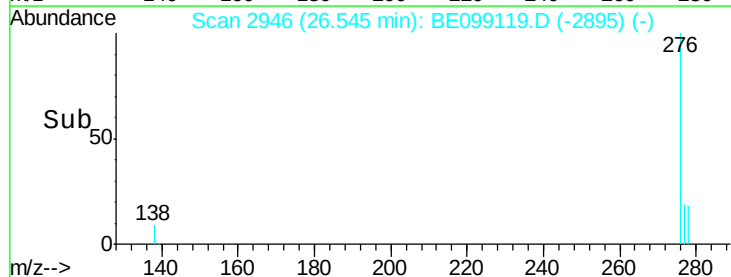
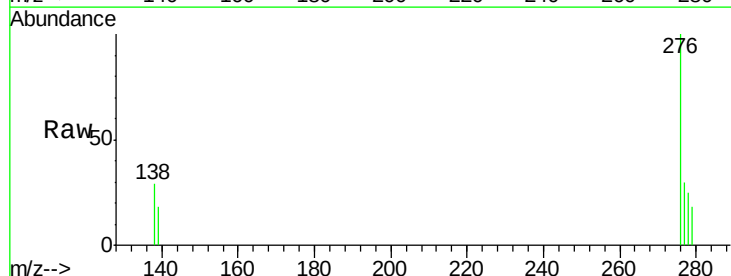
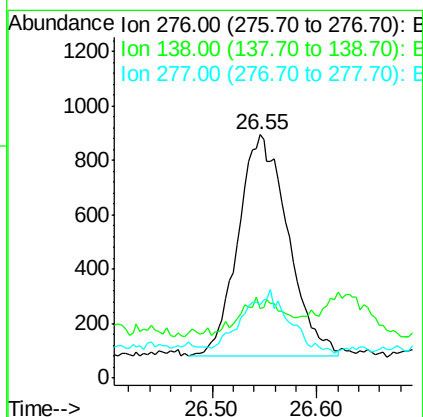
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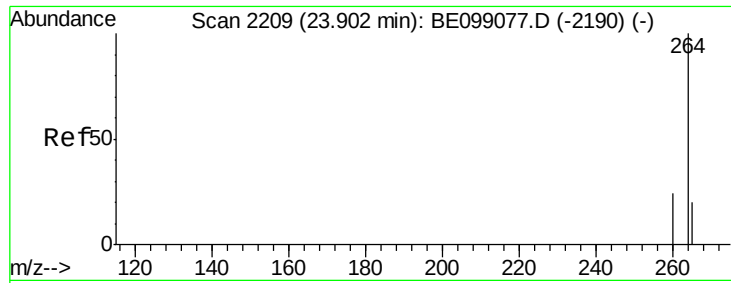
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.021 ng
 RT: 26.55 min Scan# 2946
 Delta R.T. -0.02 min
 Lab File: BE099119.D
 Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.0	13.8	20.8
277	26.7	19.5	29.3





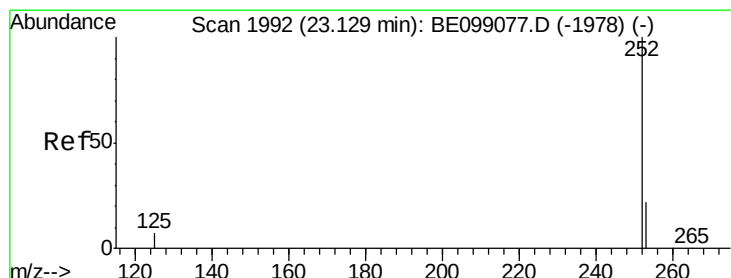
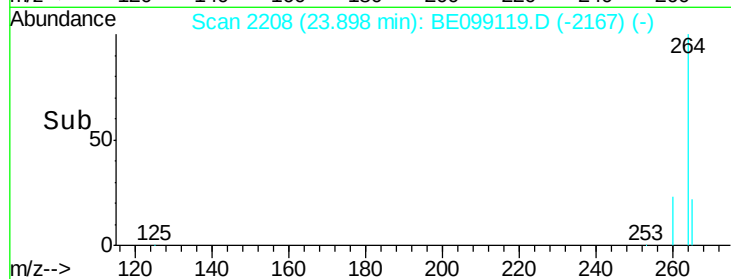
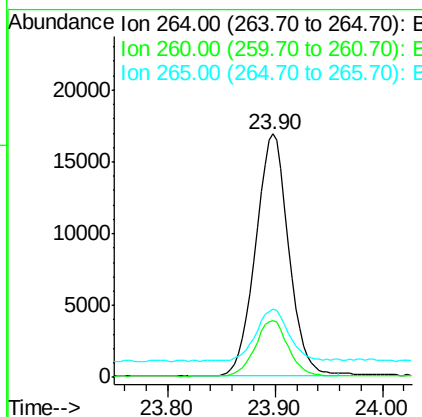
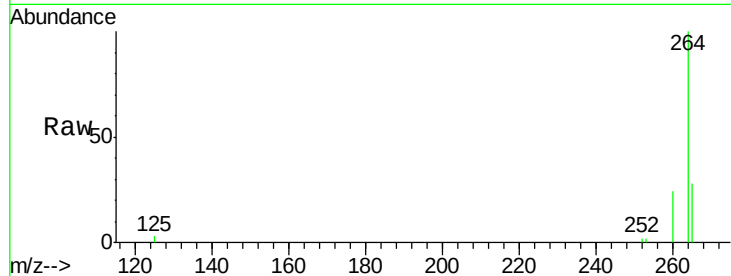
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.2	31.8
265	28.1	24.6	36.8

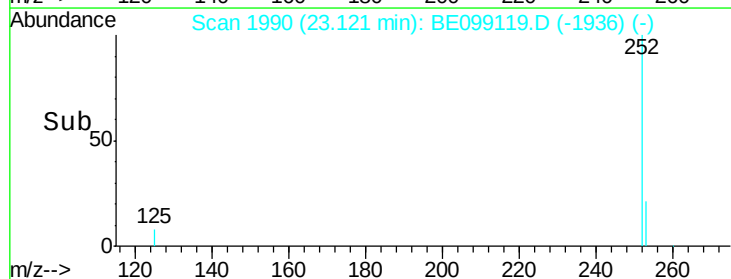
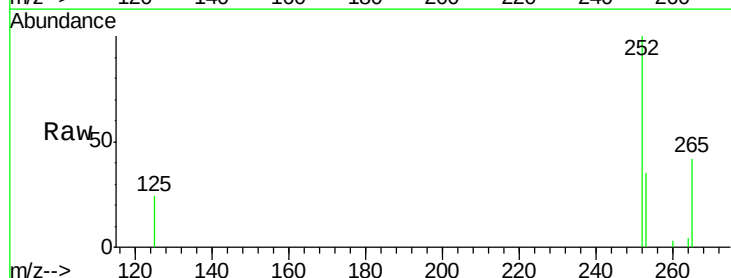
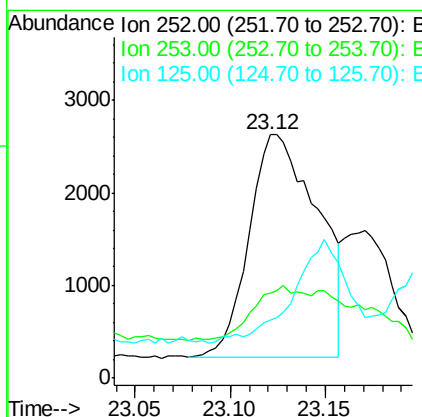
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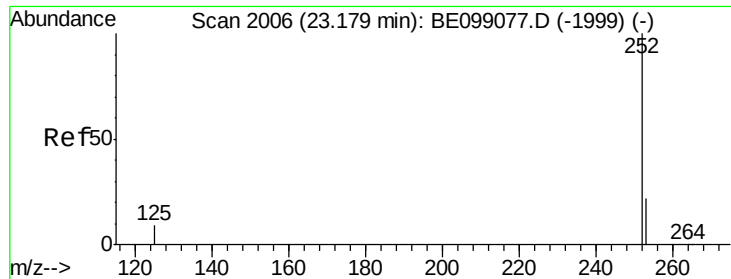
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#35
Benzo(b)fluoranthene
Concen: 0.048 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.0	18.2	27.2#
125	24.0	7.3	10.9#





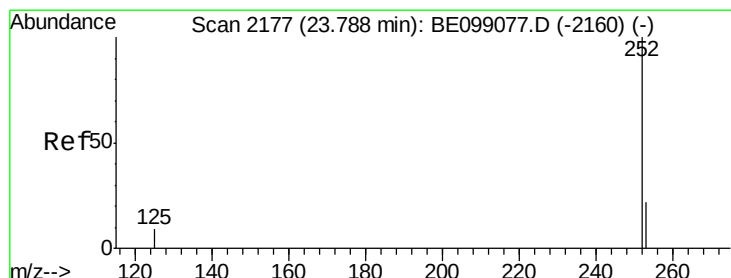
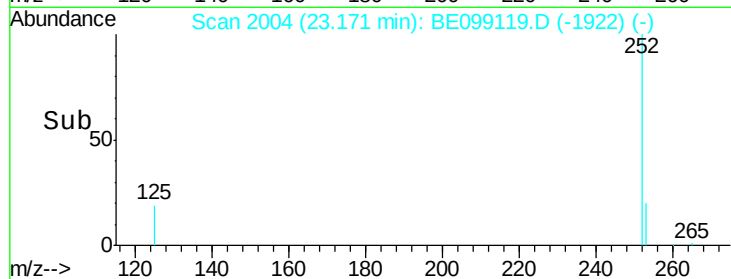
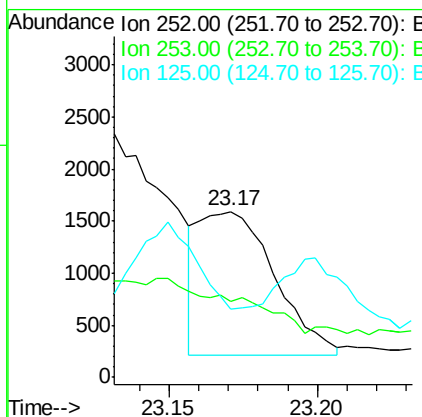
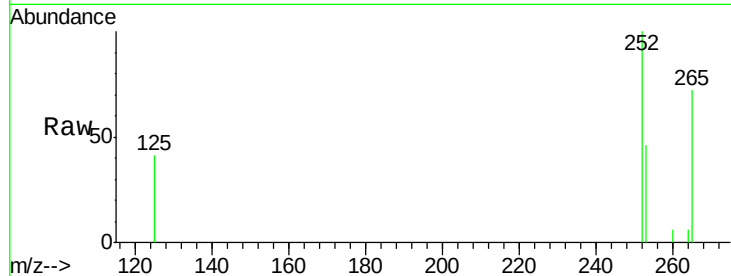
#36
Benzo(k)fluoranthene
Concen: 0.020 ng m
RT: 23.17 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Instrument :
BNA_E
ClientSampleId :
PST-026-SW077-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	45.8	19.3	28.9#
125	41.4	7.5	11.3#

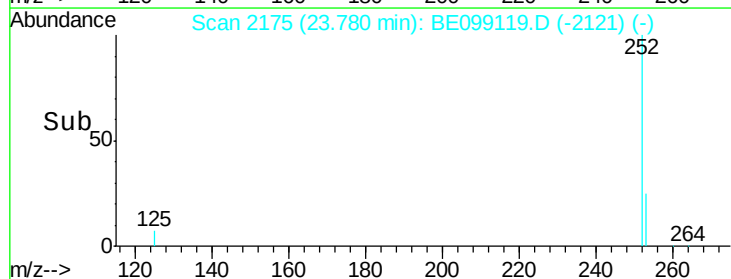
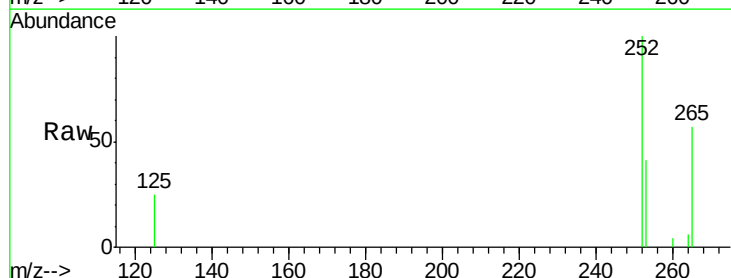
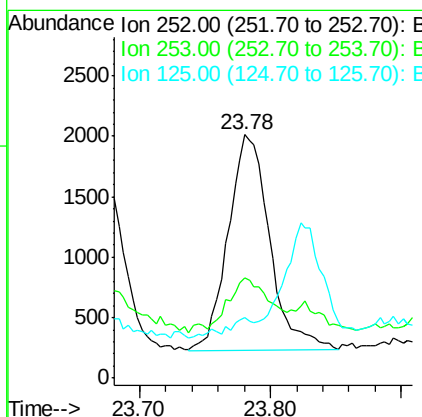
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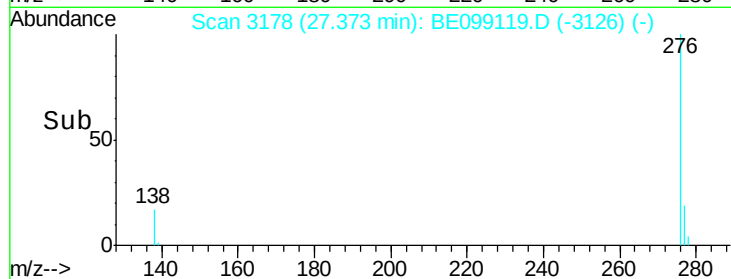
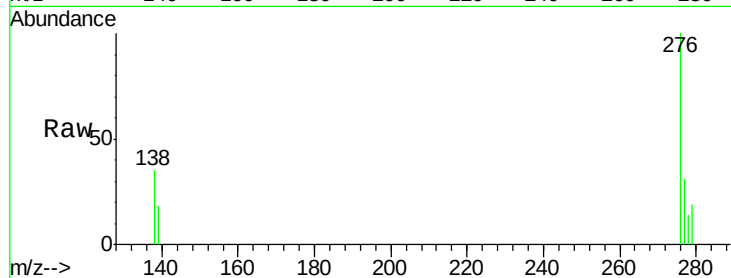
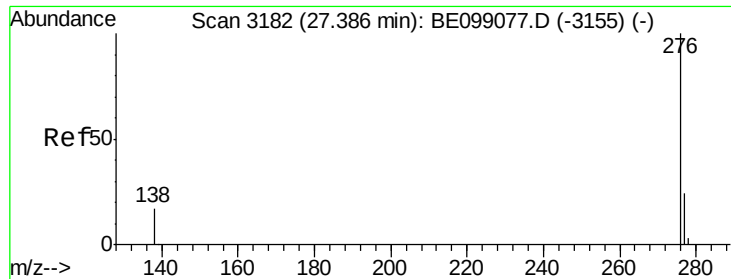
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#37
Benzo(a)pyrene
Concen: 0.034 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099119.D
Acq: 23 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.5	19.9	29.9#
125	25.0	9.0	13.4#





#39

Benzo(a,h,i)perylene

Concen: 0.024 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099119.D

Acq: 23 Mar 2019 19:32

Instrument :

BNA_E

ClientSampleId :

PST-026-SW077-031919

Tot Ion:	276	Resp:	2687
Ion Ratio	Lower	Upper	
276	100		
277	31.1	20.4	30.6#
138	35.4	13.6	20.4#

Manual Integrations
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