

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099118.D
 Acq On : 23 Mar 2019 18:53
 Operator : JU/SJ
 Sample : K2014-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW043-031919

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:37:11 PM

Quant Time: Mar 24 03:31:49 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	3375	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13781	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9312	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	27197	0.40	ng	0.00
27) Chrysene-d12	21.39	240	39964	0.40	ng	0.00
34) Perylene-d12	23.89	264	43582	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4129	0.41	ng	0.00
5) Phenol-d6	6.99	99	5994	0.41	ng	0.00
8) Nitrobenzene-d5	8.99	82	4019	0.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8459	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1641	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13091	0.35	ng	-0.01
25) Fluoranthene-d10	19.24	212	133486	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	25420	0.30	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.26	178	4464	0.055	ng	95
26) Fluoranthene	19.27	202	9406	0.083	ng	# 93
28) Pyrene	19.63	202	10342	0.076	ng	97
30) Benzo(a)anthracene	21.37	228	5440	0.039	ng	# 90
31) Chrysene	21.43	228	6572	0.047	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.29	149	25335	0.139	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	3848	0.025	ng	# 86
35) Benzo(b)fluoranthene	23.13	252	8159	0.054	ng	# 70
36) Benzo(k)fluoranthene	23.16	252	3217m	0.022	ng	
37) Benzo(a)pyrene	23.78	252	5550	0.040	ng	# 77
39) Benzo(a,h,i)perylene	27.37	276	3952	0.028	ng	# 89

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

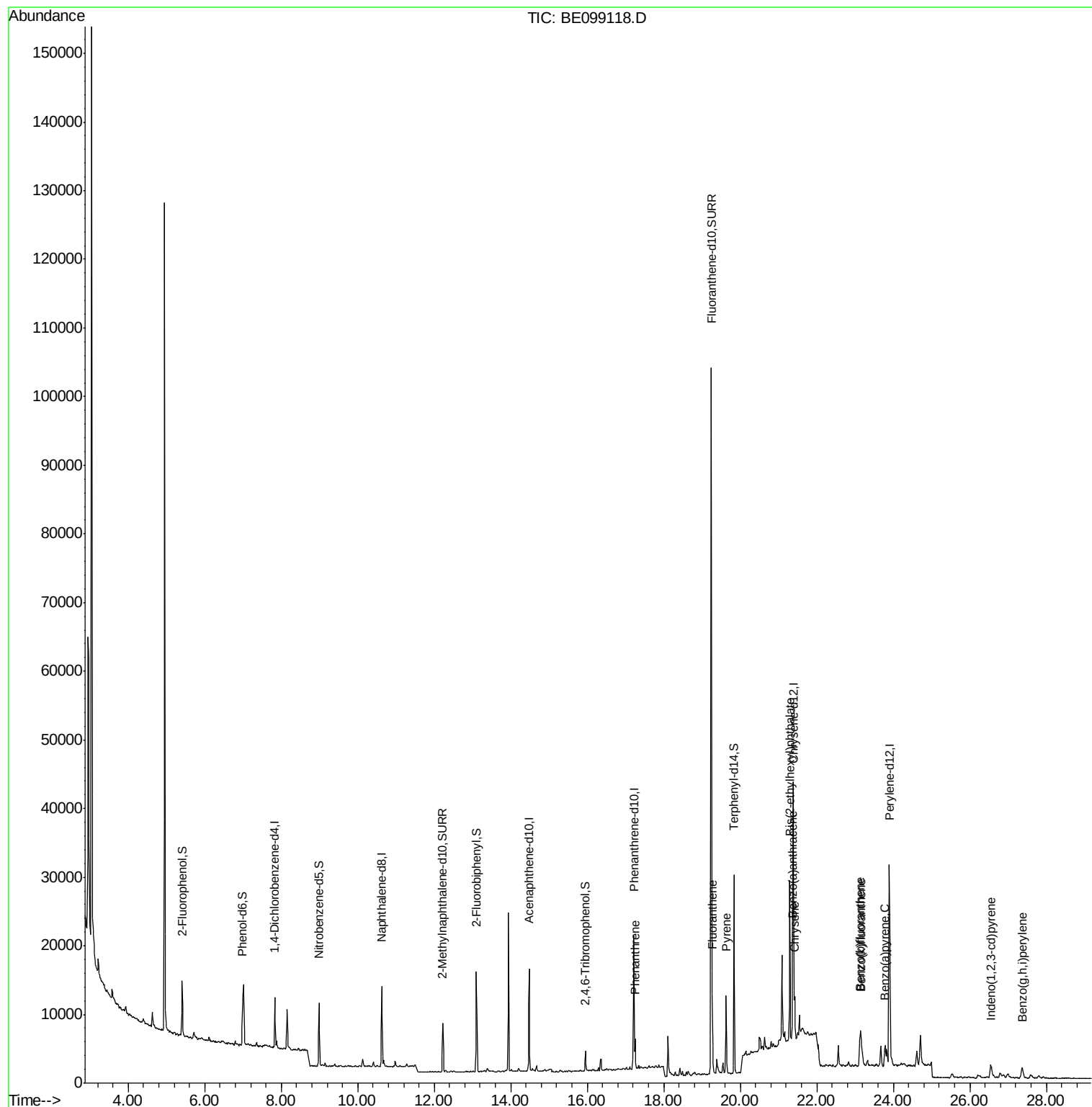
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
Data File : BE099118.D
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Sample : K2014-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

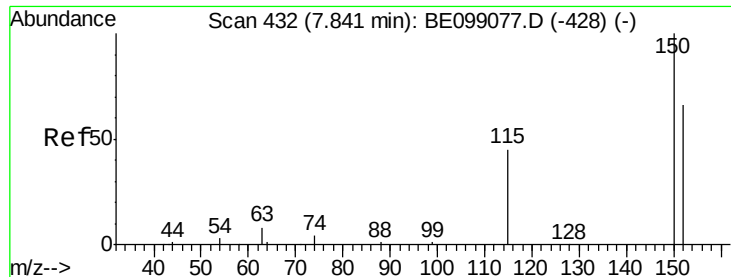
Instrument :
BNA_E
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PST-026-SW043-031919

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#1

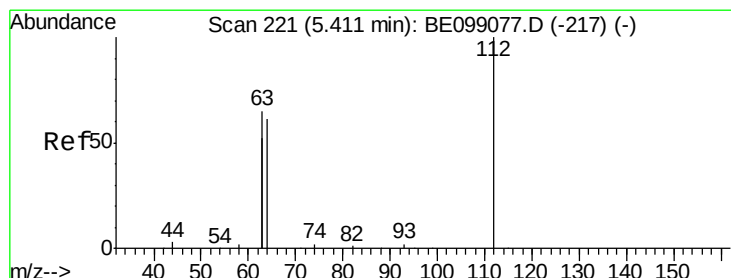
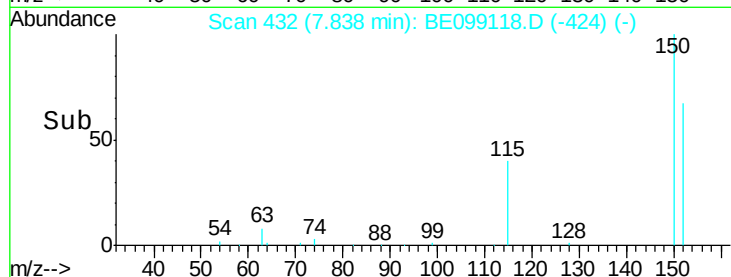
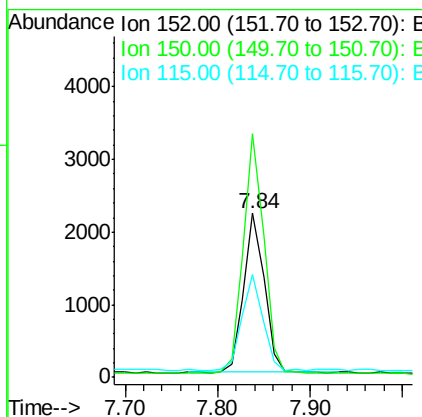
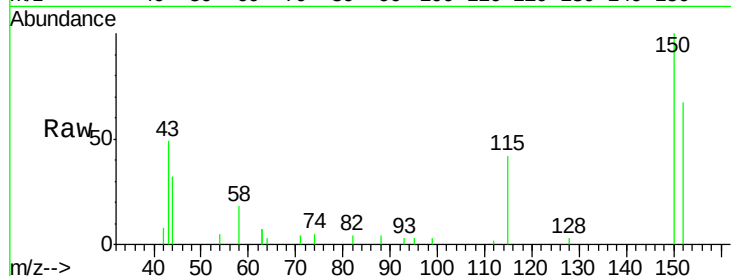
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	122.5	183.7
115	62.8	57.4	86.2

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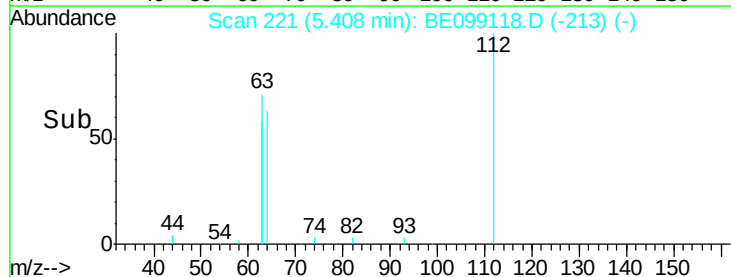
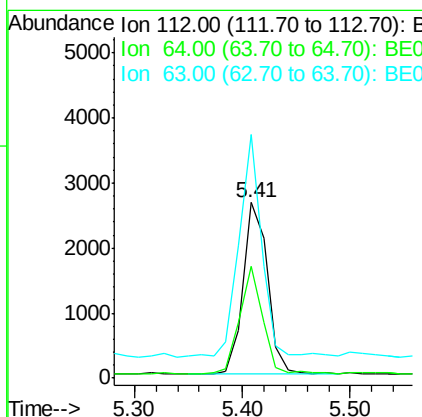
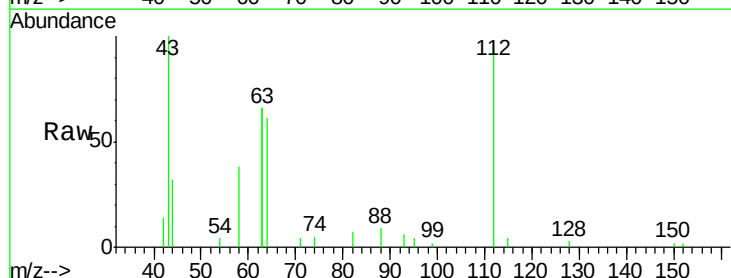
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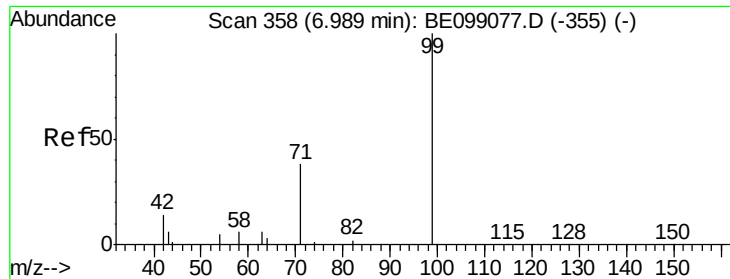


#4

2-Fluorophenol
Concen: 0.411 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	57.9	86.9
63	118.8	158.3	237.5#





#5

Phenol-d6

Concen: 0.414 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

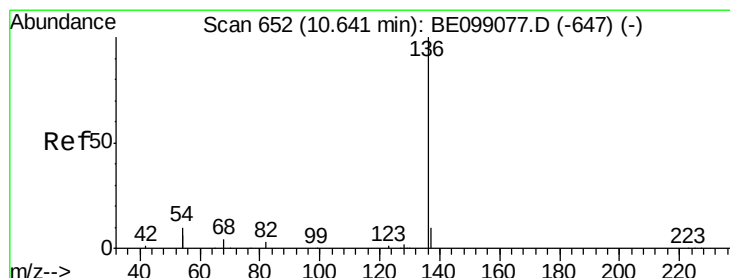
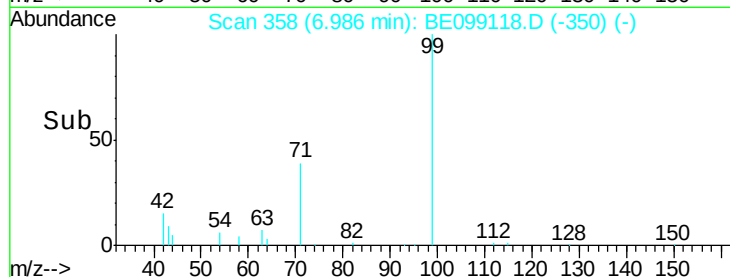
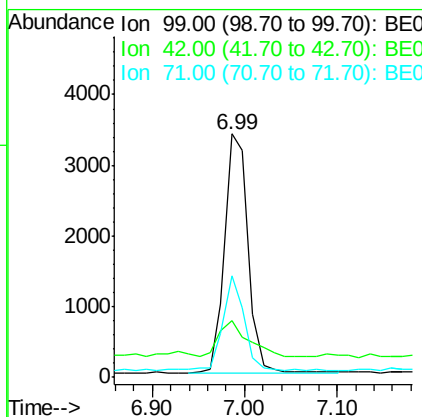
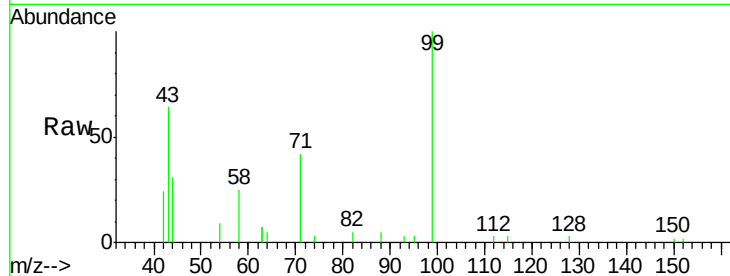
ClientSampleId :

PST-026-SW043-031919

Tot Ion:	99	Resp:	5994
Ion	Ratio	Lower	Upper
99	100		
42	17.9	24.2	36.2#
71	36.6	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

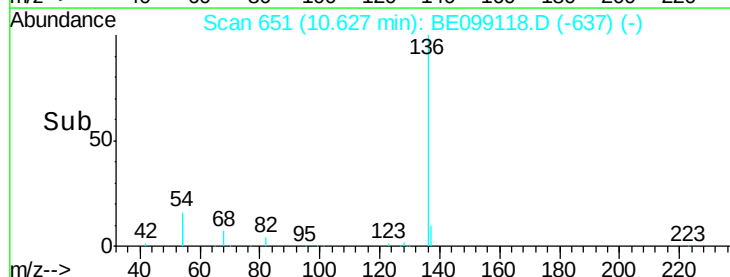
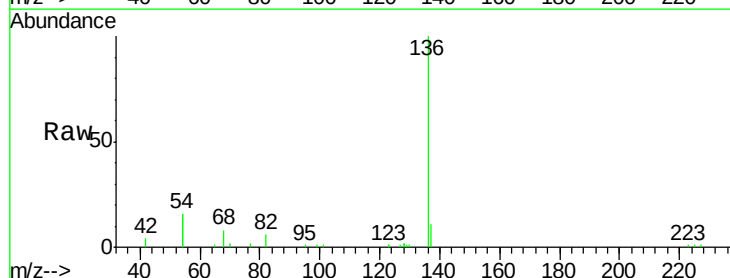
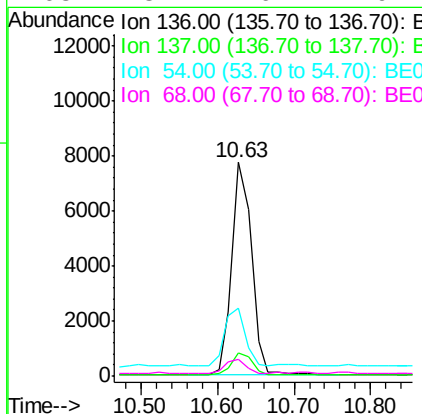
RT: 10.63 min Scan# 651

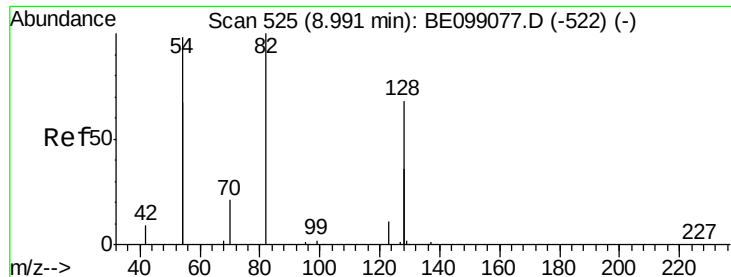
Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Tgt Ion:	136	Resp:	13781
Ion	Ratio	Lower	Upper
136	100		
137	10.8	11.4	17.0#
54	31.8	39.3	58.9#
68	8.1	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.667 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

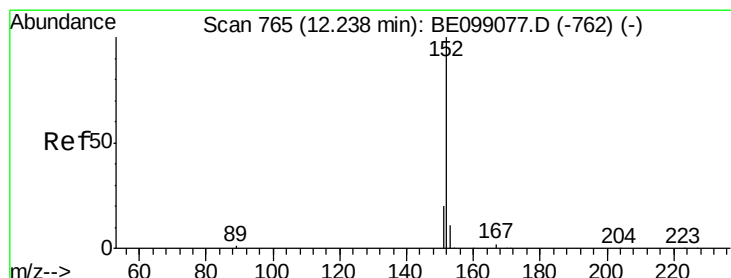
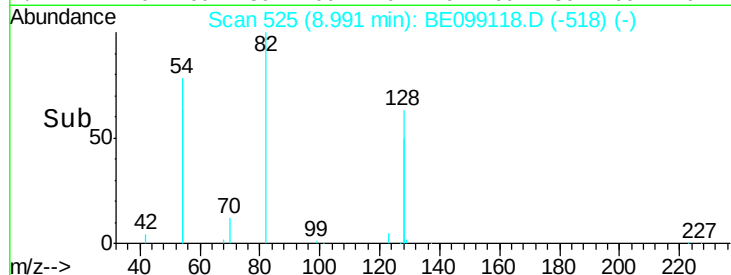
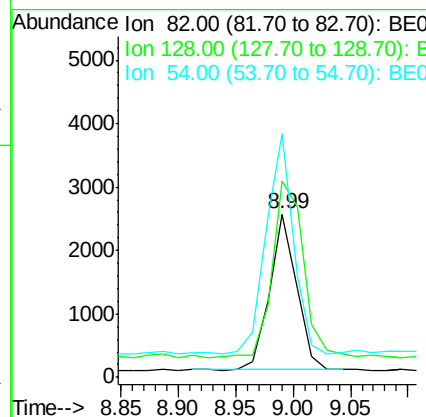
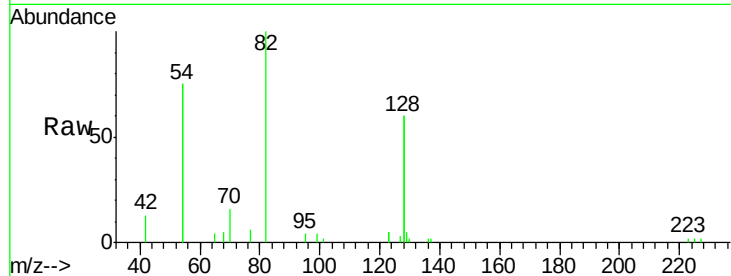
ClientSampleId :

PST-026-SW043-031919

Tot Ion	82	Resp	4019
Ion Ratio	Lower	Upper	
82	100		
128	120.7	123.8	185.8#
54	149.4	203.4	305.2#

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#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

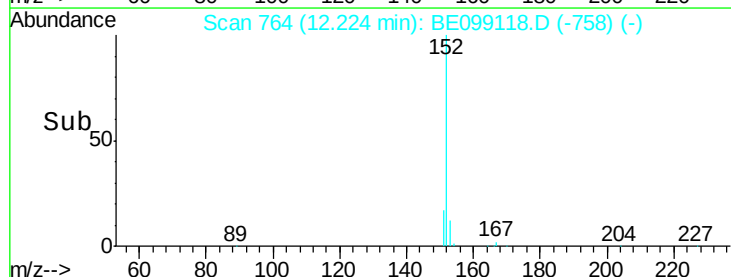
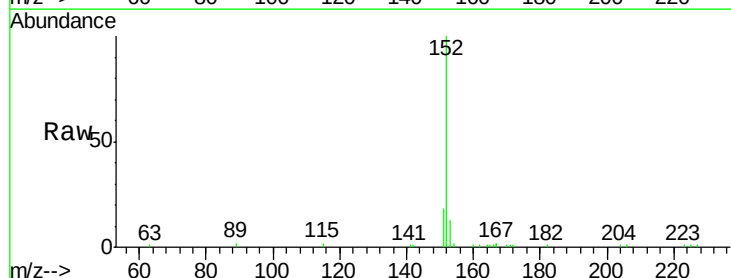
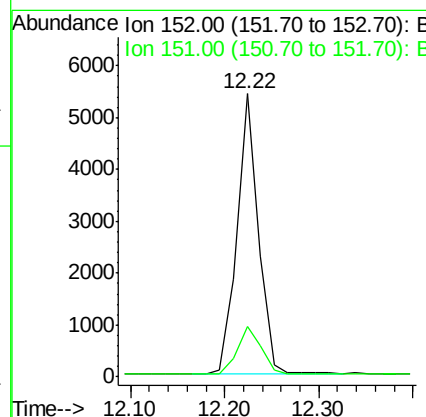
RT: 12.22 min Scan# 764

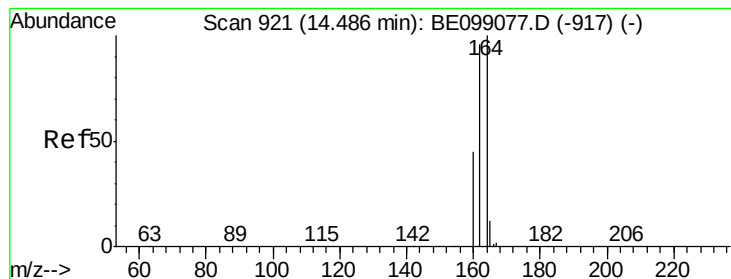
Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Tgt Ion	152	Resp	8459
Ion Ratio	Lower	Upper	
152	100		
151	19.3	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: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

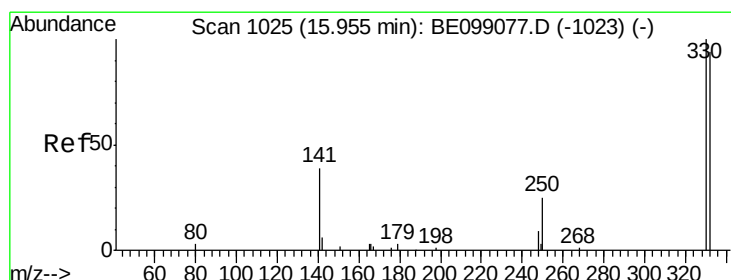
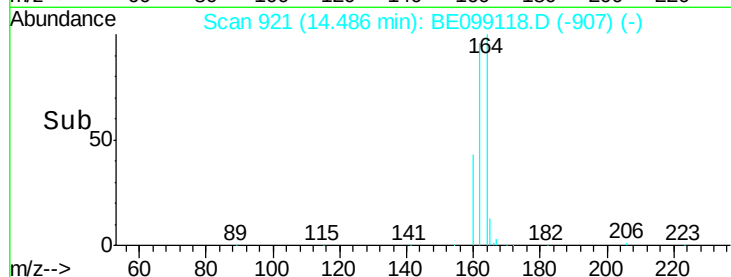
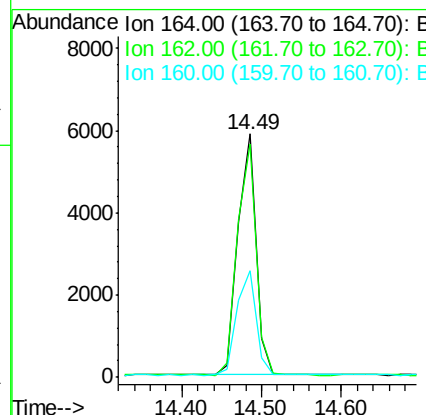
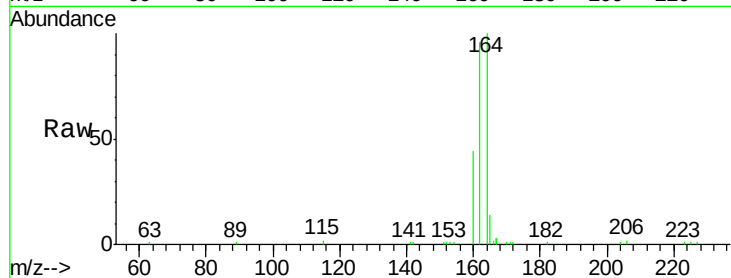
ClientSampleId :

PST-026-SW043-031919

Tot Ion:	164	Resp:	9312
Ion Ratio	Lower	Upper	
164	100		
162	95.6	80.2	120.2
160	43.9	37.8	56.8

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.599 ng

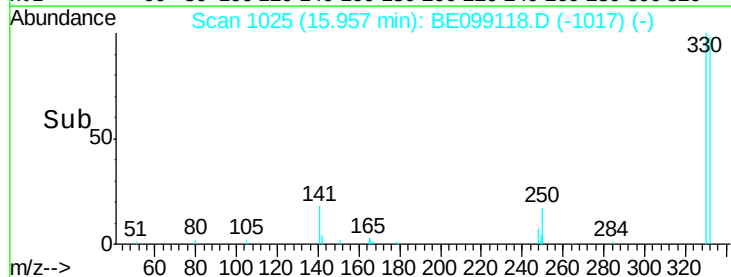
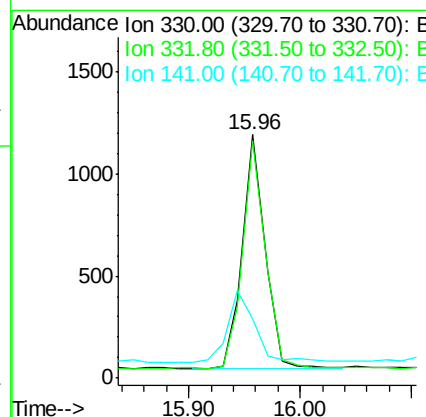
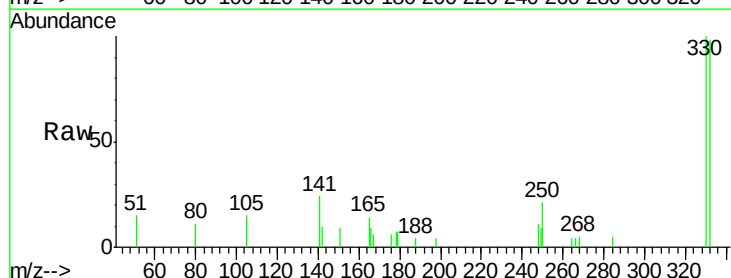
RT: 15.96 min Scan# 1025

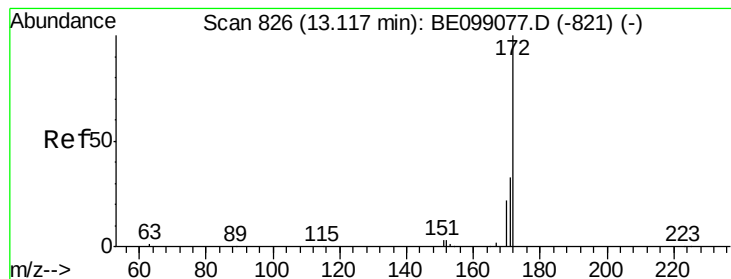
Delta R.T. 0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Tgt Ion:	330	Resp:	1641
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.6	116.4
141	37.4	31.0	46.4





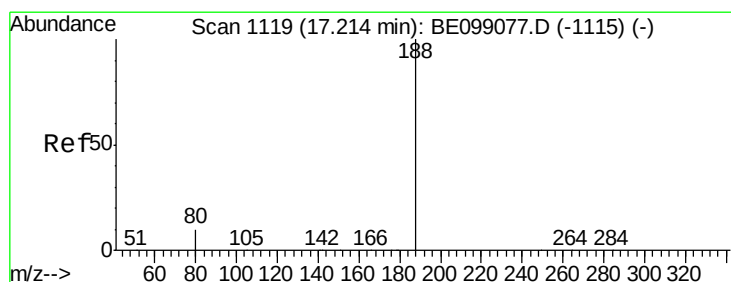
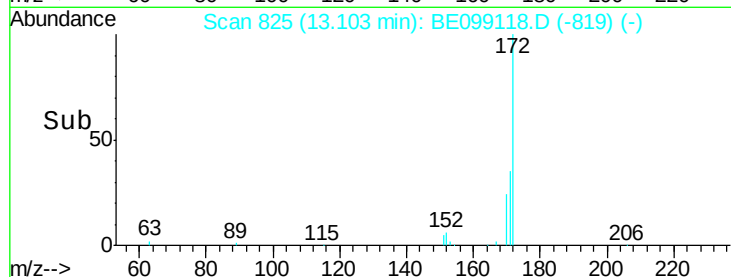
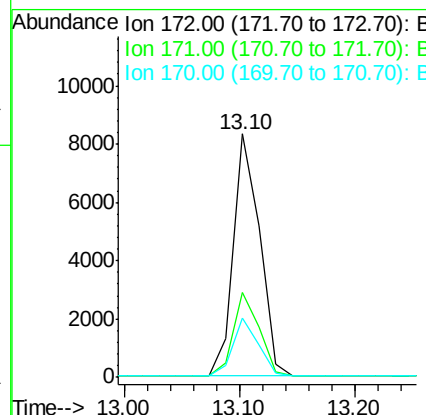
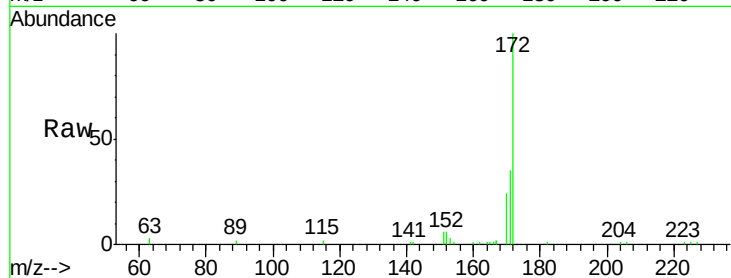
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.0	42.0
170	24.2	17.7	26.5

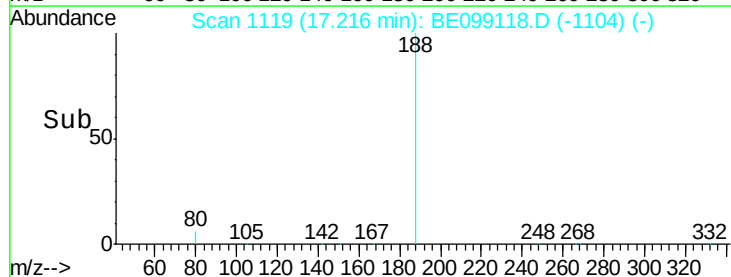
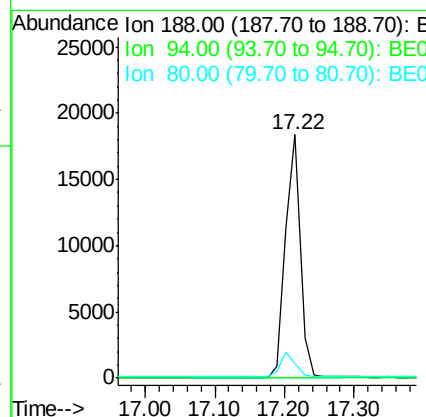
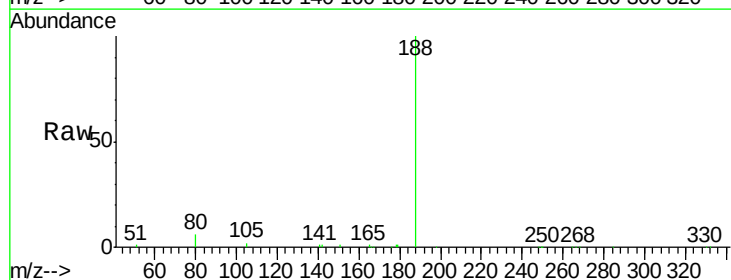
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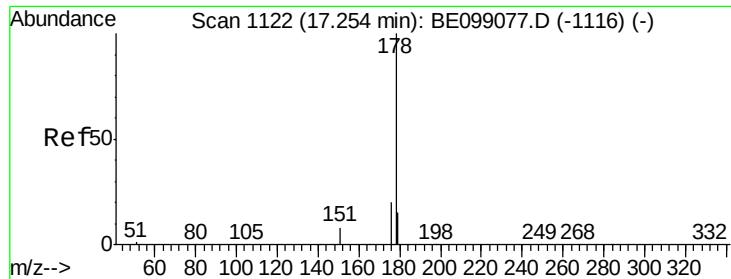
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	6.3	9.5#





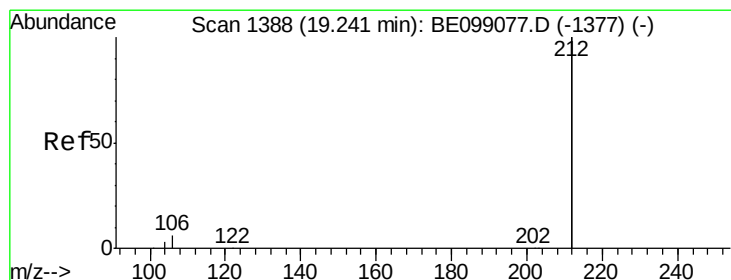
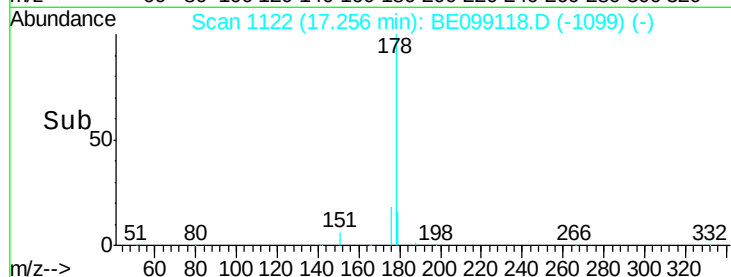
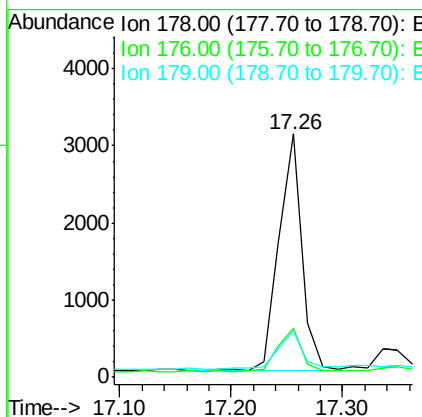
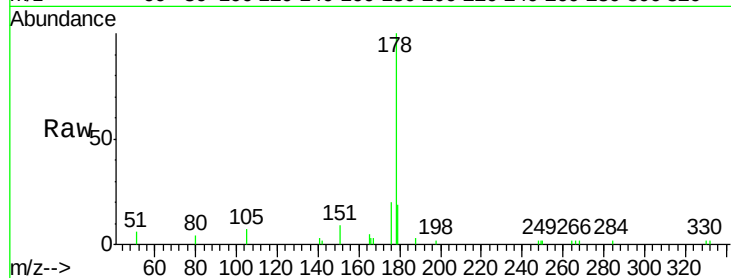
#23
Phenanthrene
Concen: 0.055 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	18.1	12.1	18.1

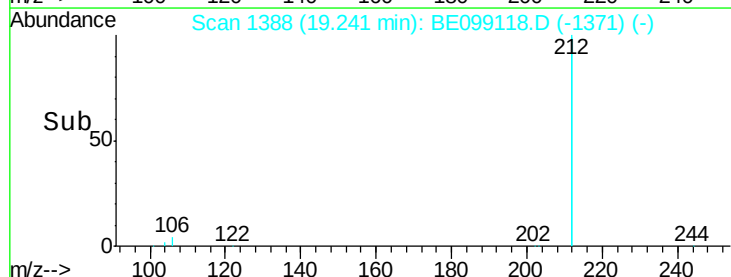
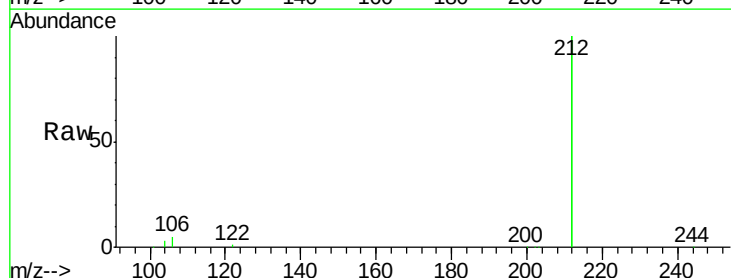
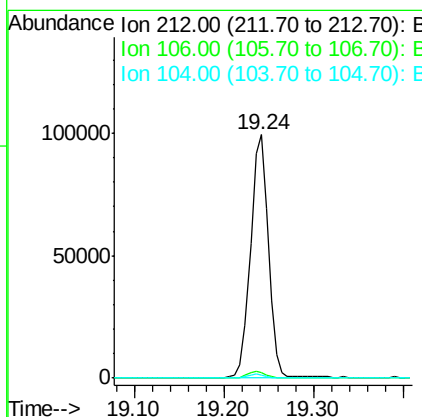
Manual Integrations
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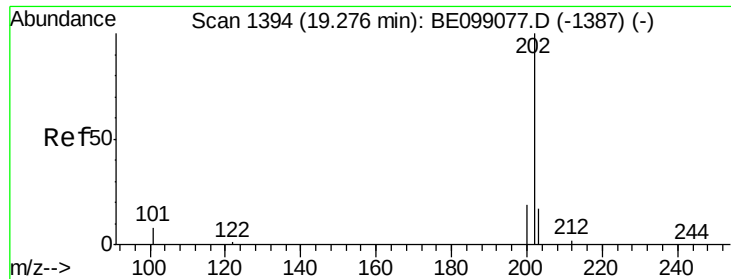
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#25
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

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





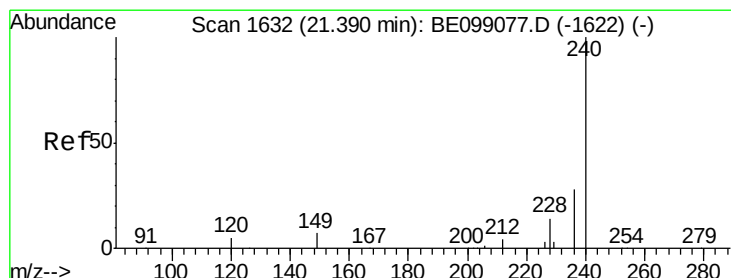
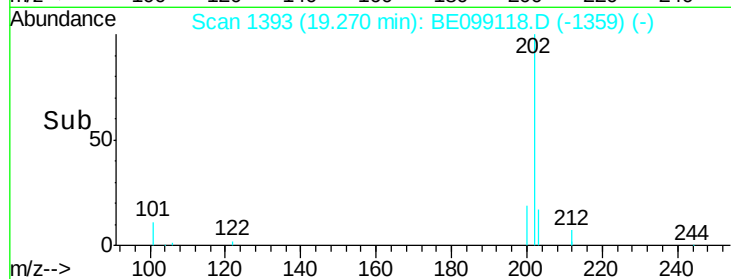
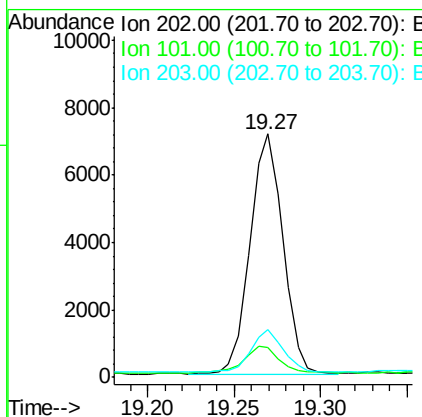
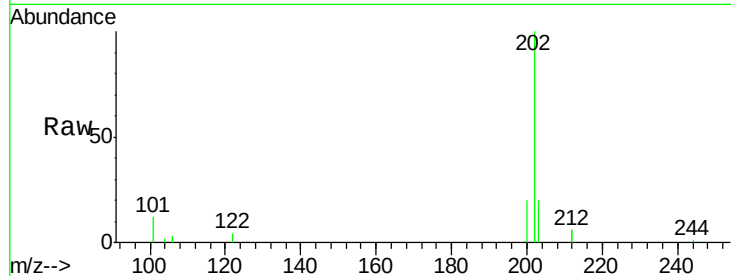
#26
Fluoranthene
Concen: 0.083 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	7.3	10.9#
203	18.2	13.4	20.2

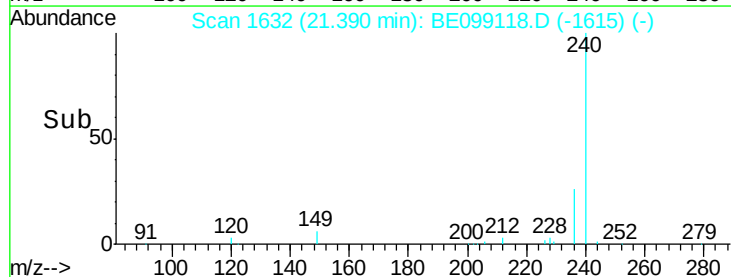
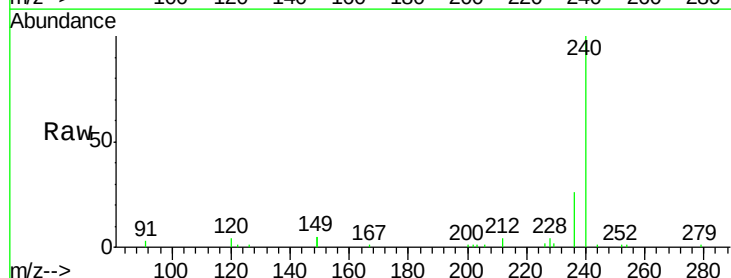
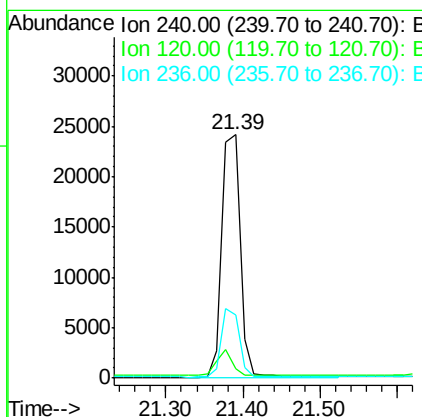
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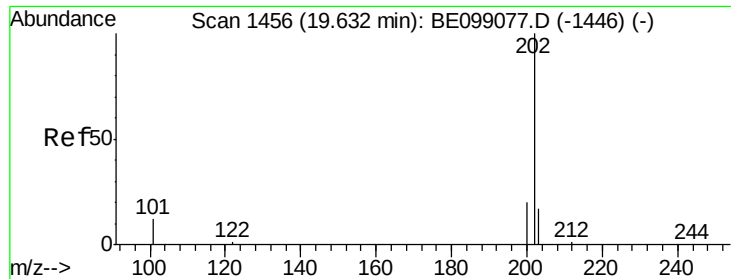
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.8	5.0	7.4#
236	26.1	22.7	34.1





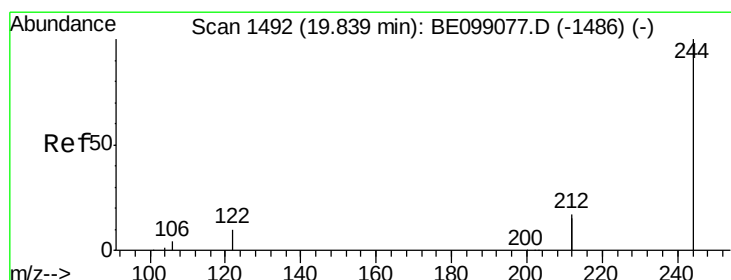
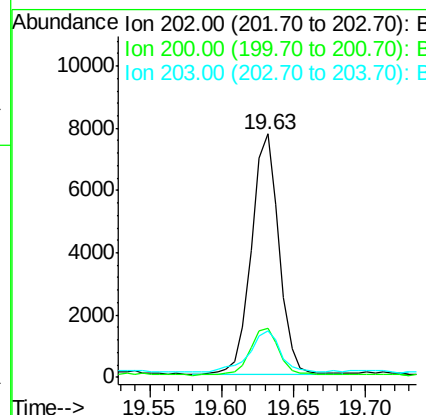
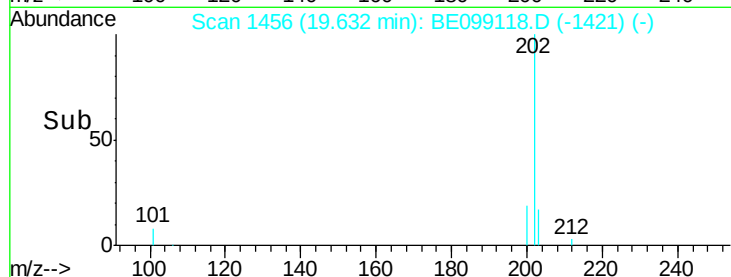
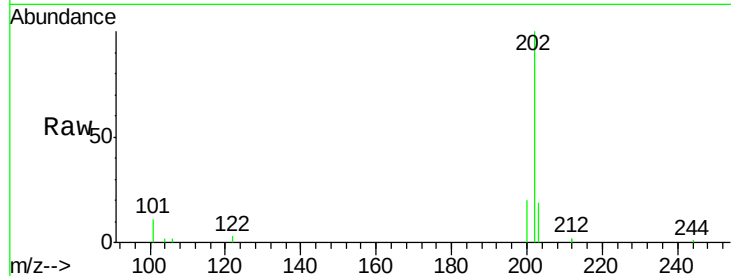
#28
Pvrene
Concen: 0.076 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	19.5	14.2	21.2

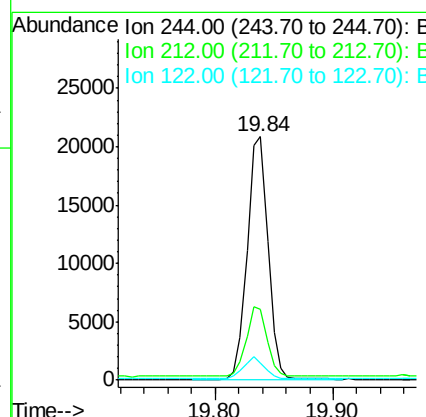
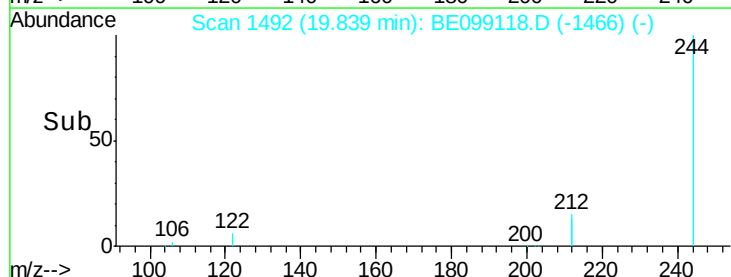
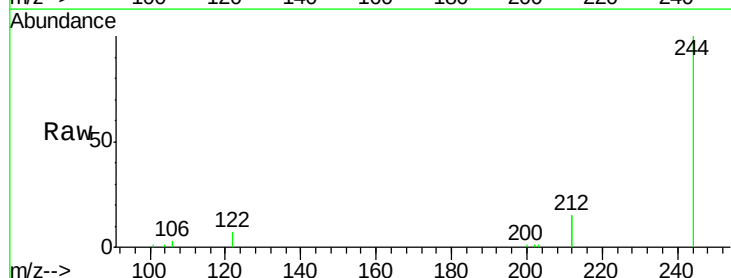
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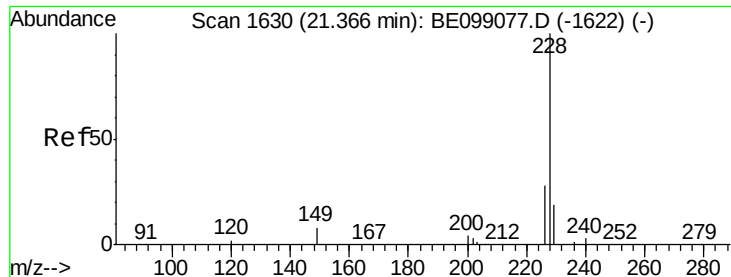
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#29
Terphenyl-d14
Concen: 0.301 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.2	29.4	44.2#
122	7.0	7.1	10.7#





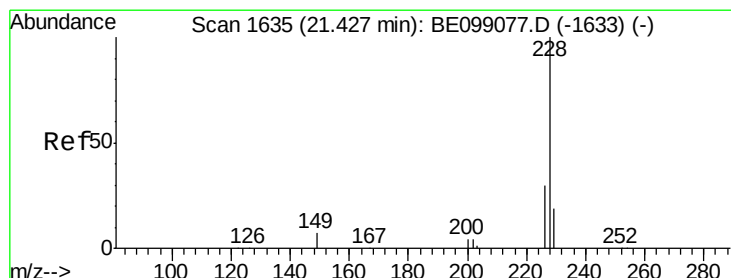
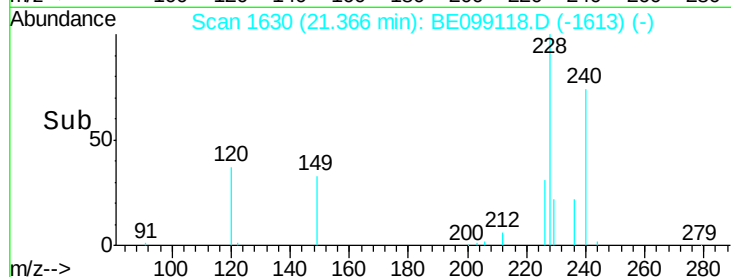
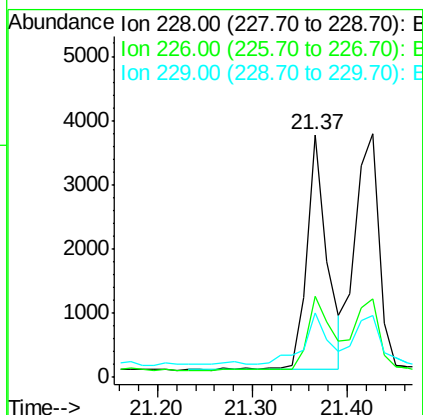
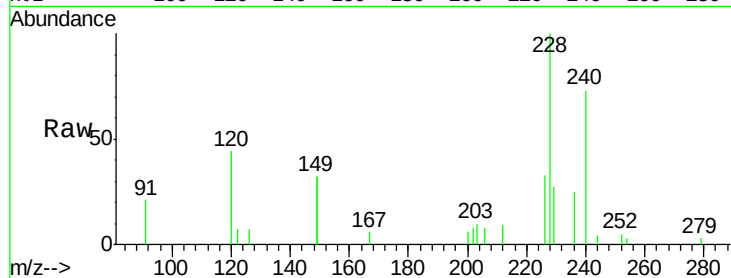
#30
Benzo(a)anthracene
Concen: 0.039 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.0	34.4
229	26.5	16.5	24.7

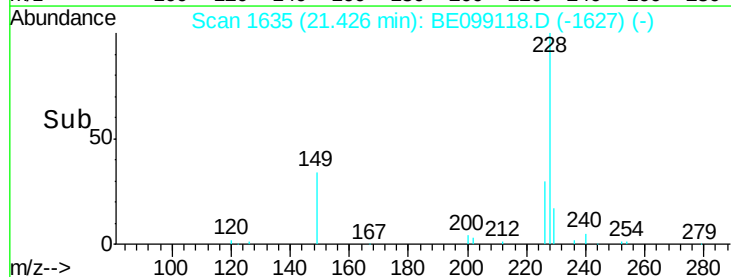
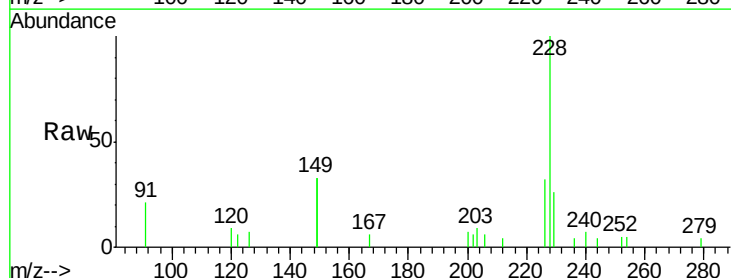
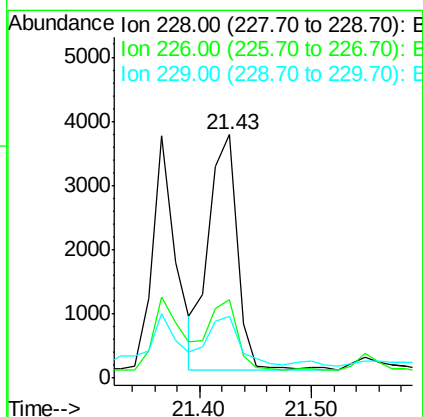
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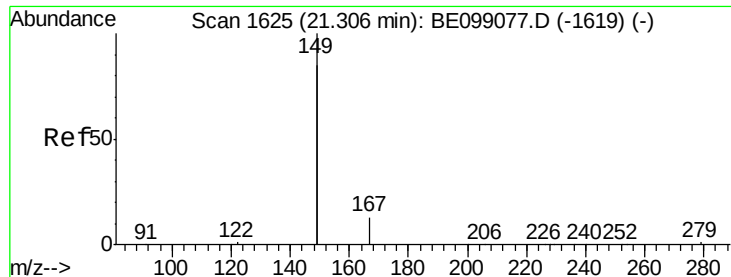
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#31
Chrysene
Concen: 0.047 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.7	35.5
229	25.5	16.1	24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.139 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

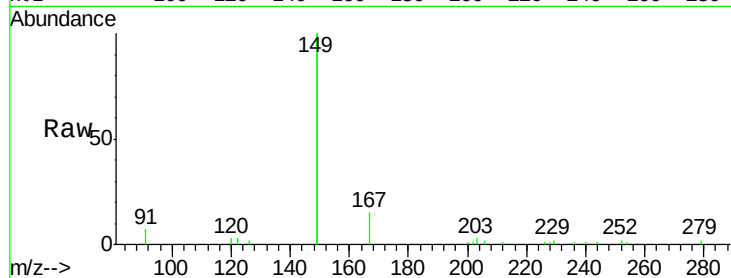
ClientSampleId :

PST-026-SW043-031919

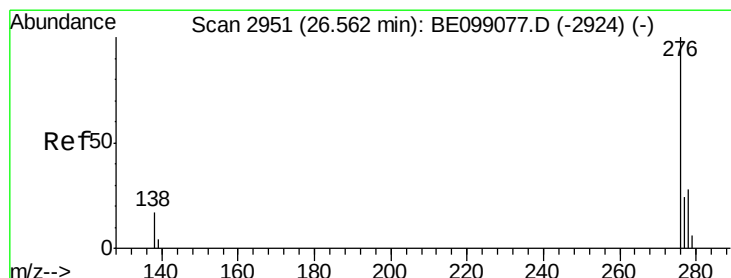
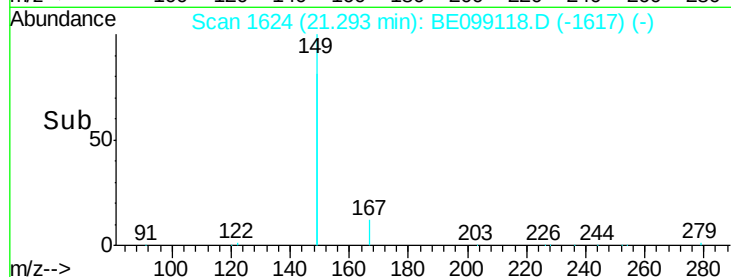
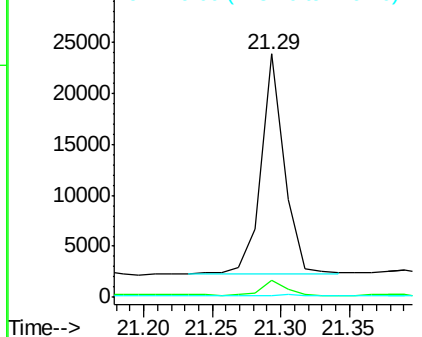
Tot Ion:	149	Resp:	25335
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.4	8.0
279	1.3	1.0	1.4

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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: 0.025 ng

RT: 26.55 min Scan# 2947

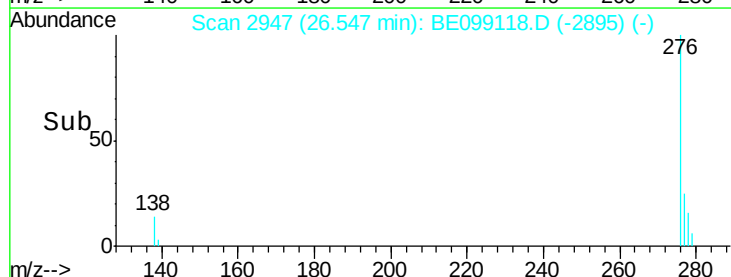
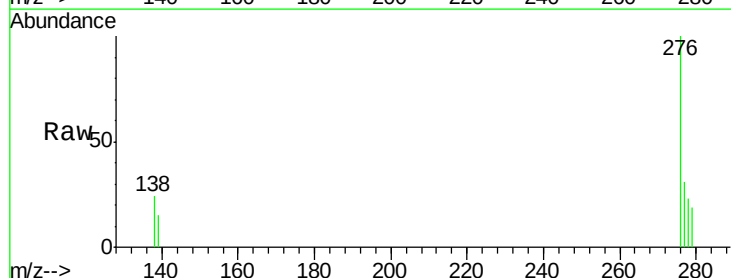
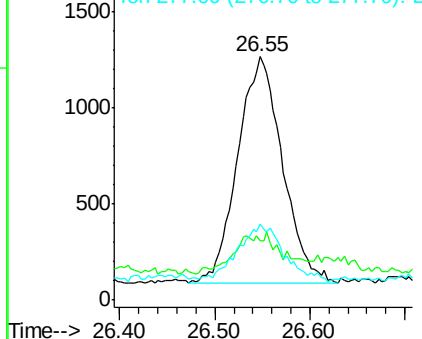
Delta R.T. -0.01 min

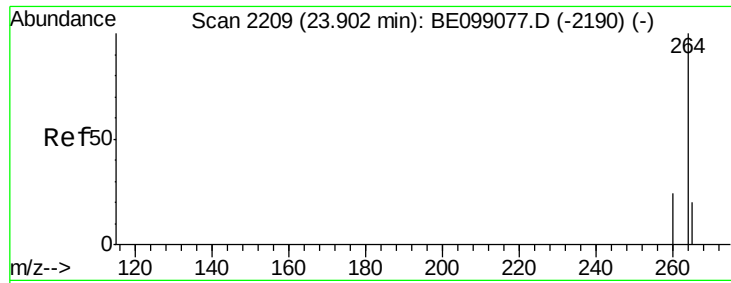
Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Tgt Ion:	276	Resp:	3848
Ion Ratio	Lower	Upper	
276	100		
138	6.0	13.8	20.8#
277	26.8	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





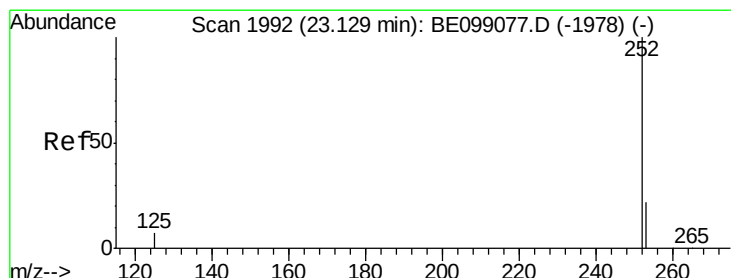
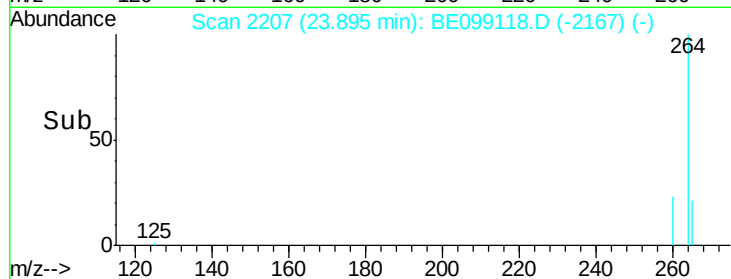
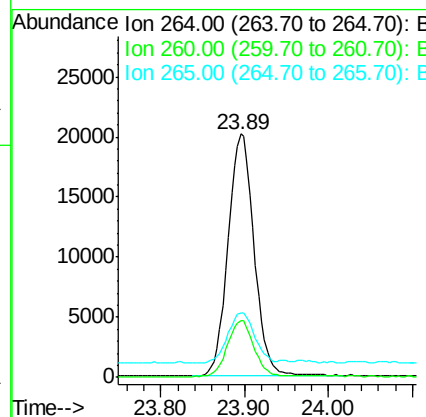
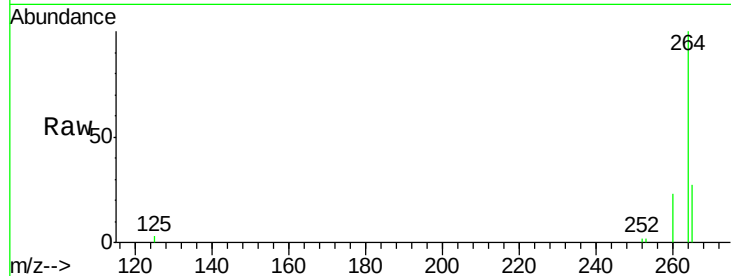
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	21.2	31.8
265	26.7	24.6	36.8

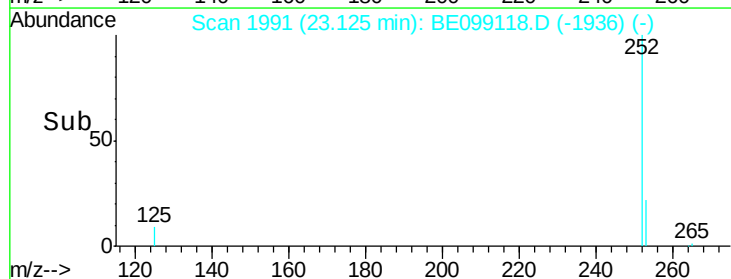
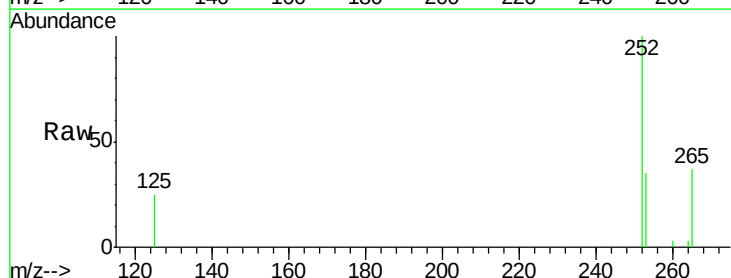
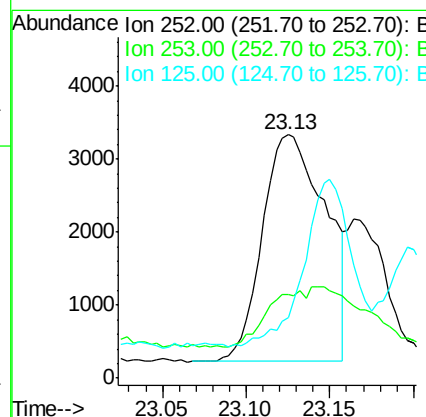
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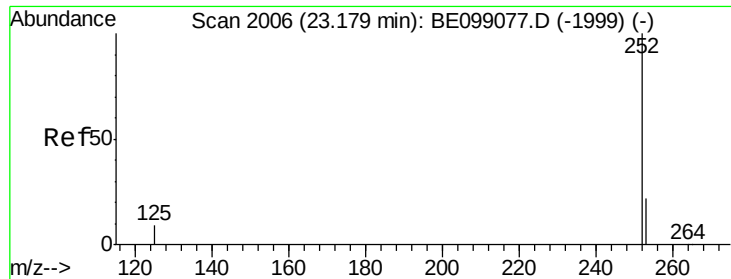
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#35
Benzo(b)fluoranthene
Concen: 0.054 ng
RT: 23.13 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	18.2	27.2#
125	24.9	7.3	10.9#





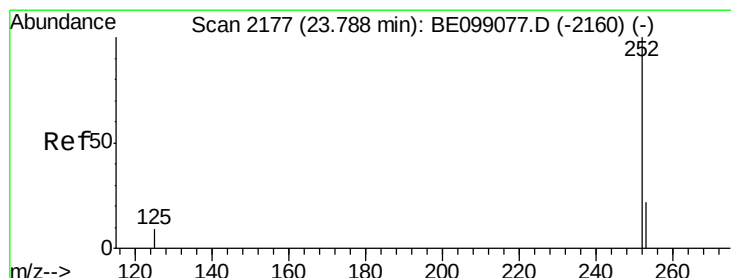
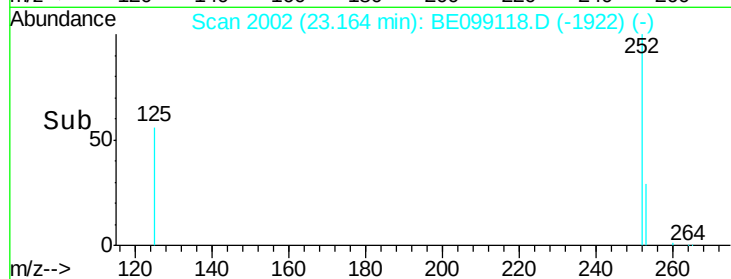
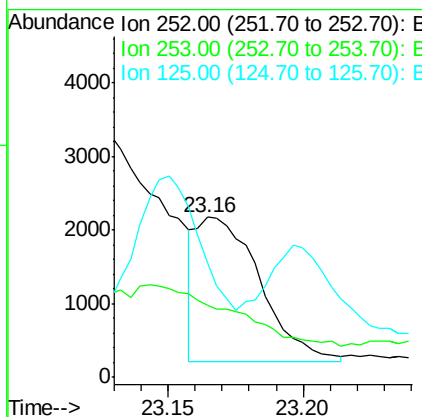
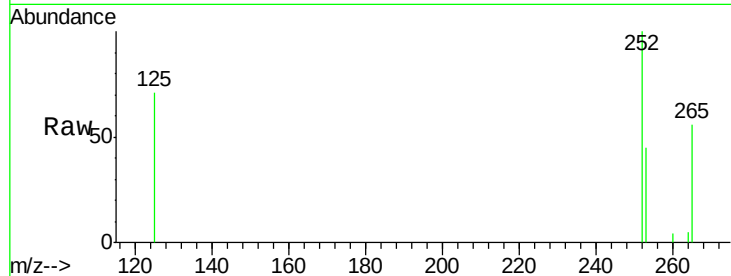
#36
Benzo(k)fluoranthene
Concen: 0.022 ng m
RT: 23.16 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Instrument :
BNA_E
ClientSampleId :
PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	45.2	19.3	28.9#
125	71.3	7.5	11.3#

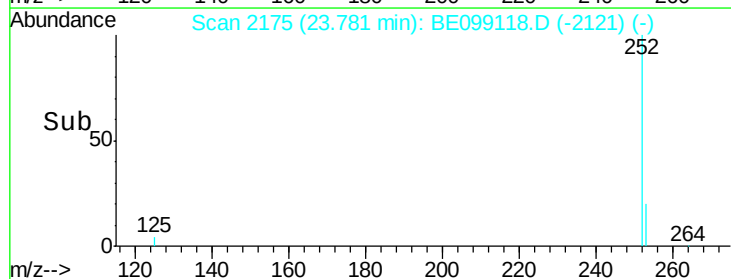
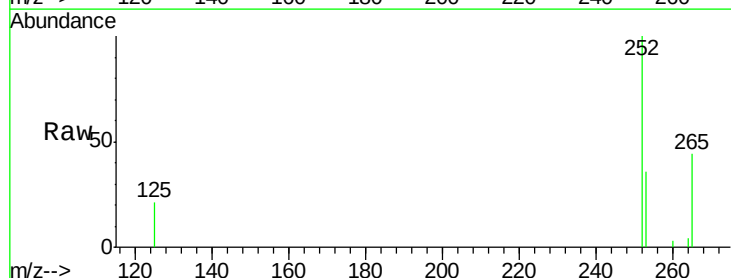
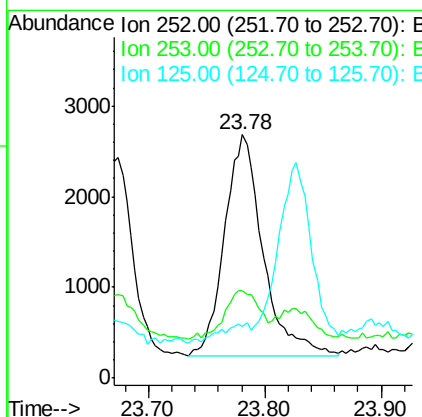
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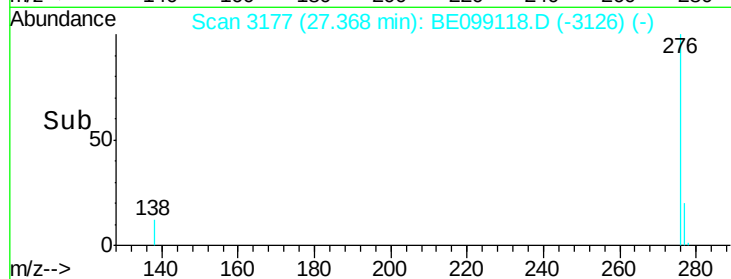
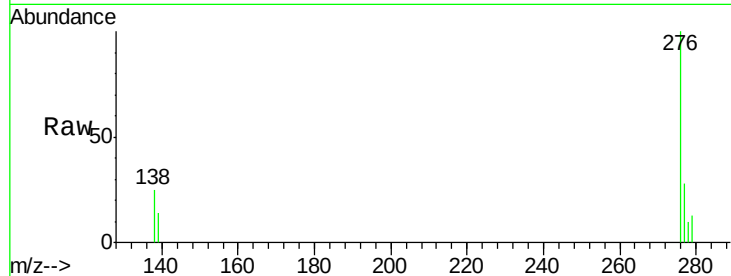
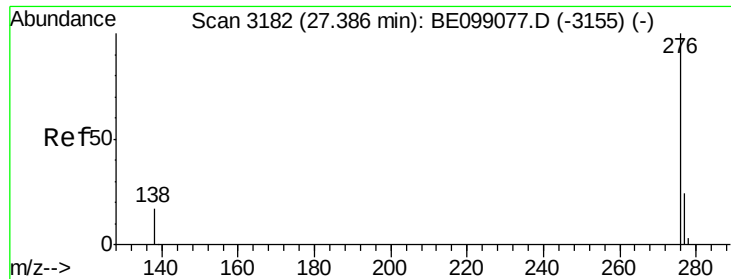
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#37
Benzo(a)pyrene
Concen: 0.040 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099118.D
Acq: 23 Mar 2019 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.8	19.9	29.9#
125	21.4	9.0	13.4#





#39

Benzo(a,h,i)perylene

Concen: 0.028 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	20.4	30.6
138	25.4	13.6	20.4

Manual Integrations
APPROVED

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