

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099104.D
 Acq On : 23 Mar 2019 10:08
 Operator : JU/SJ
 Sample : K1947-09
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B033-031319

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:36:53 PM

Quant Time: Mar 24 02:56:21 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	3578	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14108	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8806	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	23363	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35566	0.40	ng	0.00
34) Perylene-d12	23.89	264	39503	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4966	0.47	ng	0.00
5) Phenol-d6	6.99	99	6840	0.45	ng	0.00
8) Nitrobenzene-d5	8.99	82	4111	0.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9451	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1381	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14381	0.41	ng	-0.01
25) Fluoranthene-d10	19.24	212	117168	0.38	ng	0.00
29) Terphenyl-d14	19.84	244	23228	0.31	ng	0.00
Target Compounds						
22) Pentachlorophenol	16.85	266	422	0.337	ng	Qvalue # 82
23) Phenanthrene	17.26	178	7565	0.109	ng	98
26) Fluoranthene	19.27	202	14434	0.148	ng	97
28) Pyrene	19.63	202	14454	0.120	ng	95
30) Benzo(a)anthracene	21.37	228	9291	0.074	ng	99
31) Chrysene	21.43	228	9153	0.073	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	22783	0.140	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	4667	0.035	ng	# 88
35) Benzo(b)fluoranthene	23.13	252	11011	0.081	ng	# 80
36) Benzo(k)fluoranthene	23.17	252	4897m	0.037	ng	
37) Benzo(a)pyrene	23.78	252	7878	0.062	ng	# 89
39) Benzo(a,h,i)perylene	27.37	276	4866	0.039	ng	# 93

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

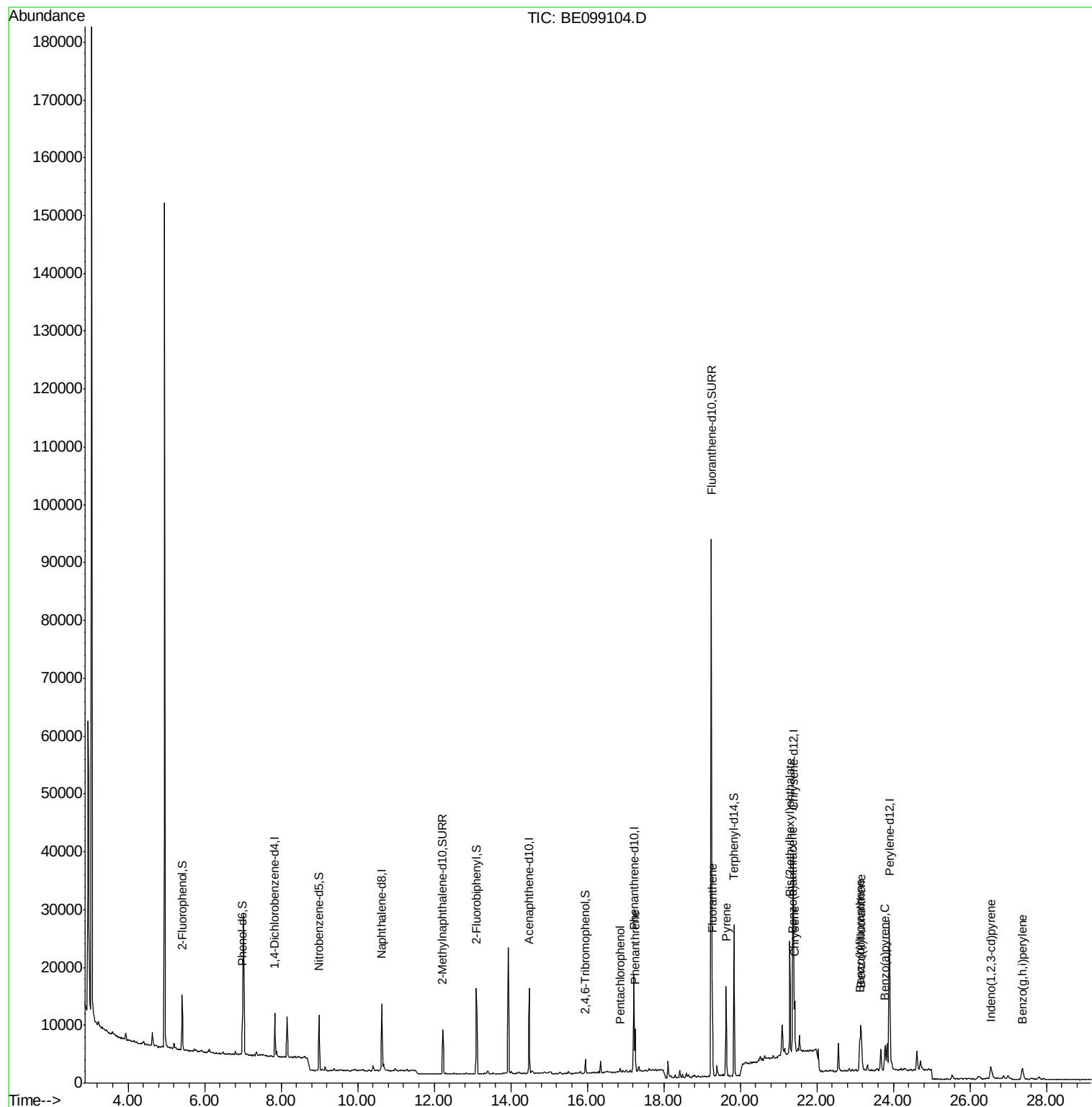
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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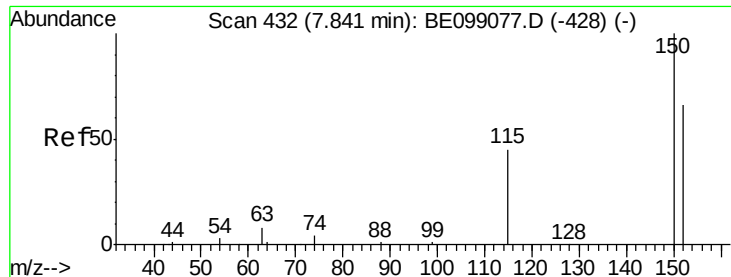
Instrument :
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PST-025-B033-031319

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
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#1

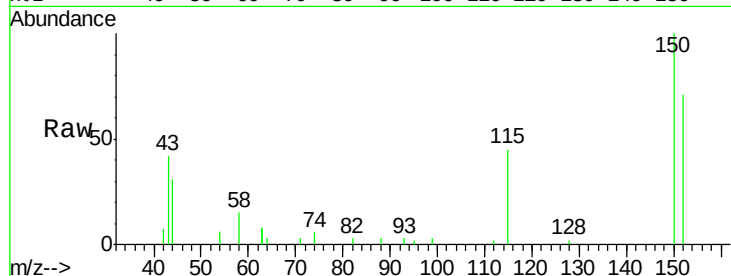
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

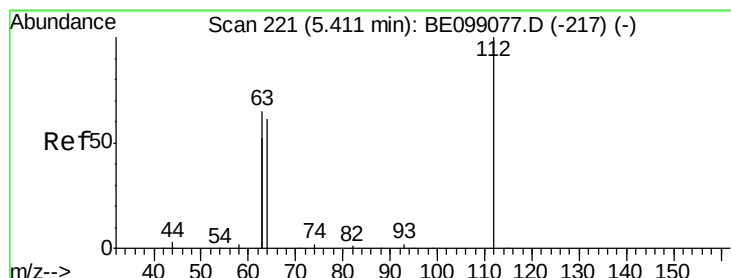
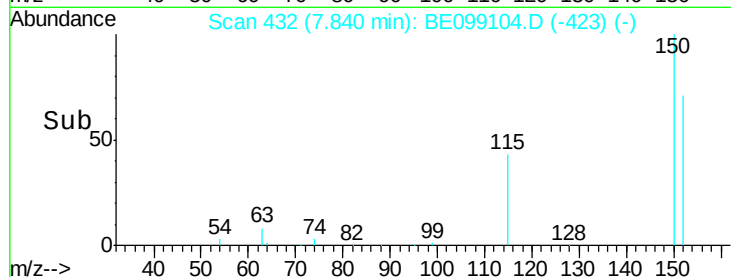
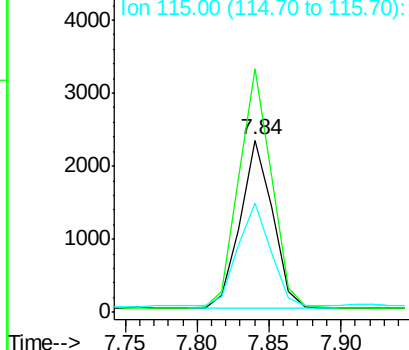
Tot Ion	Ratio	Lower	Upper
152	100		
150	141.2	122.5	183.7
115	63.1	57.4	86.2

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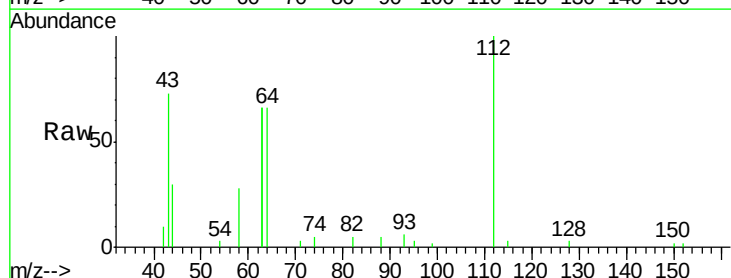
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



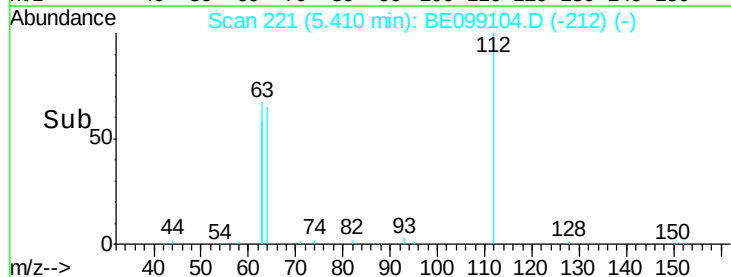
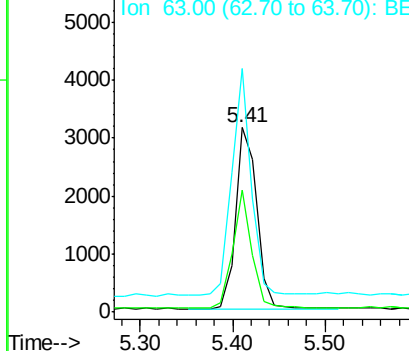
#4

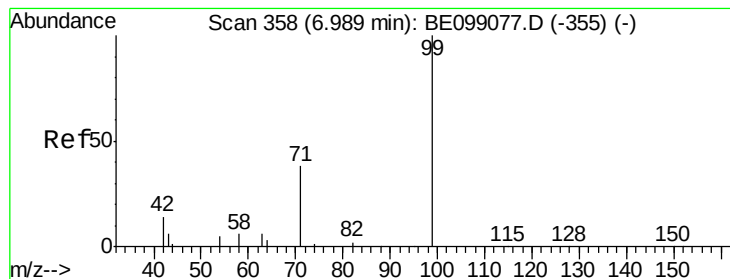
2-Fluorophenol
Concen: 0.466 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	57.9	86.9
63	113.9	158.3	237.5#



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: 0.446 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

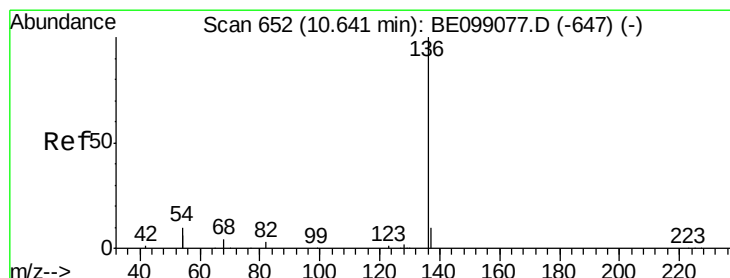
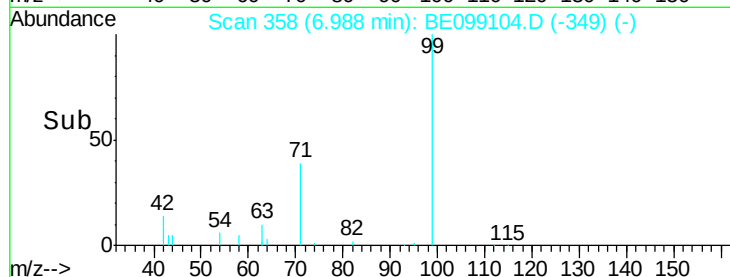
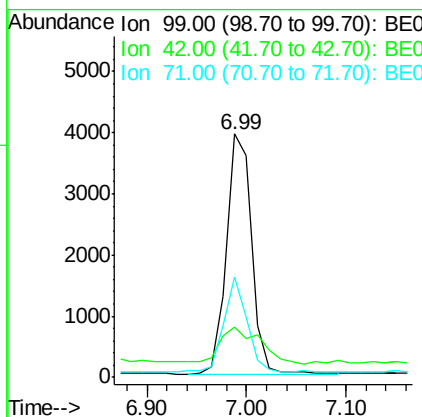
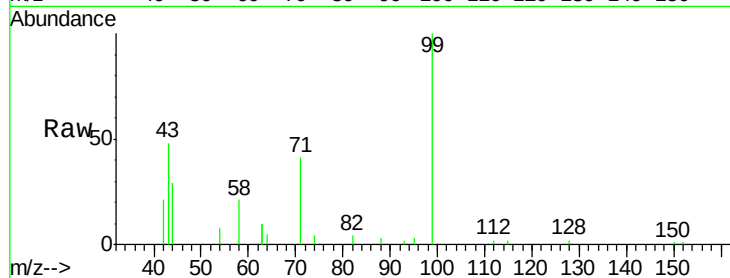
ClientSampleId :

PST-025-B033-031319

Tot Ion:	99	Resp:	6840
Ion	Ratio	Lower	Upper
99	100		
42	25.0	24.2	36.2
71	35.8	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

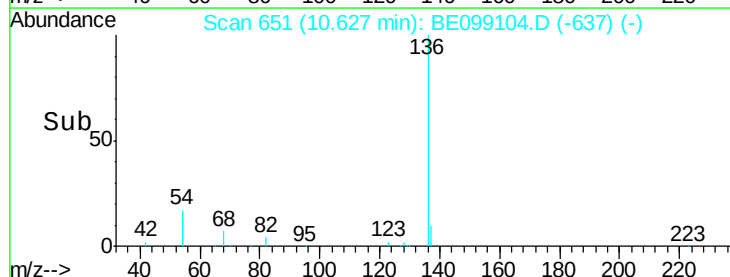
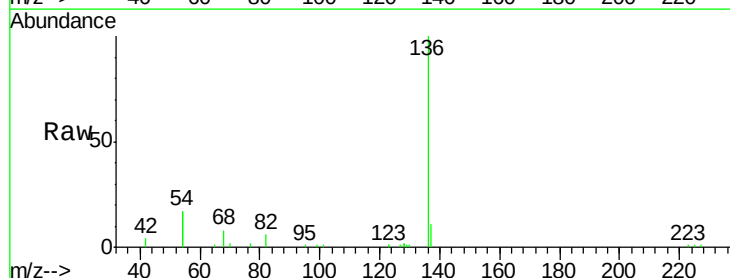
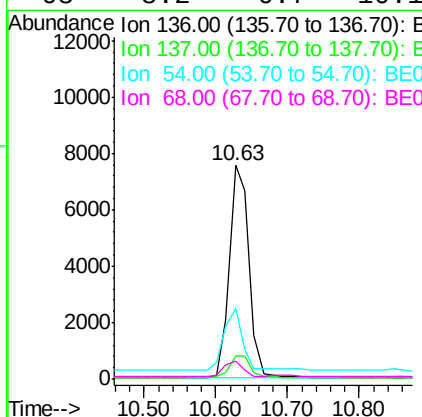
RT: 10.63 min Scan# 651

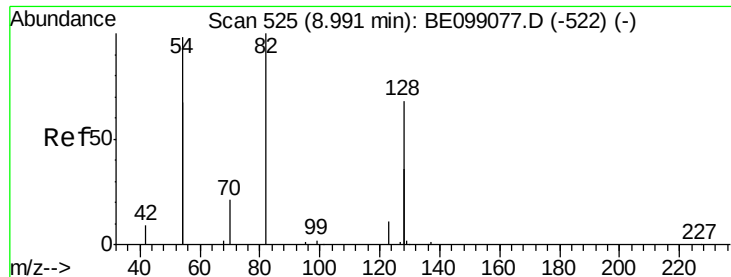
Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion:	136	Resp:	14108
Ion	Ratio	Lower	Upper
136	100		
137	11.0	11.4	17.0#
54	33.0	39.3	58.9#
68	8.2	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: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

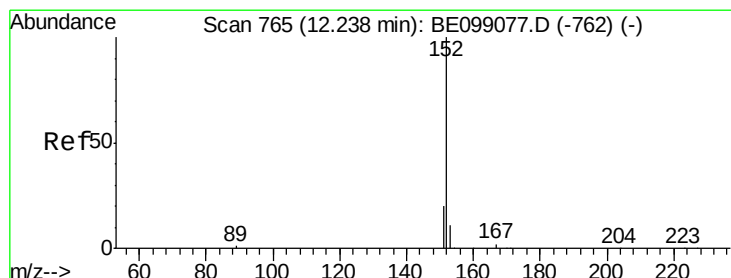
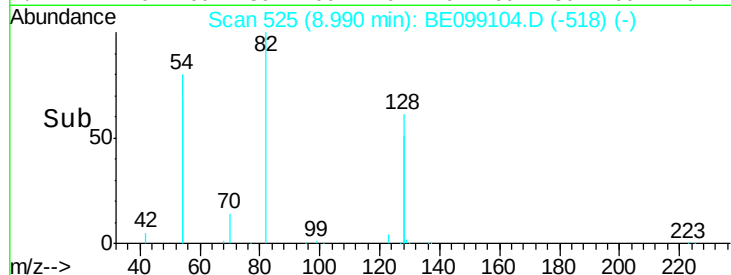
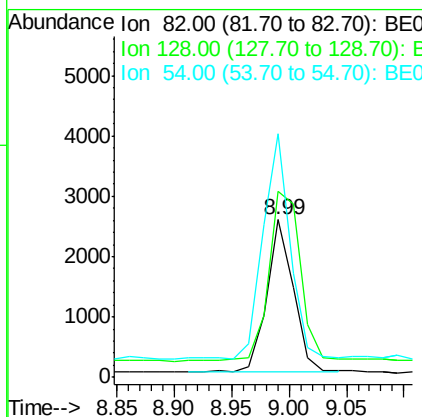
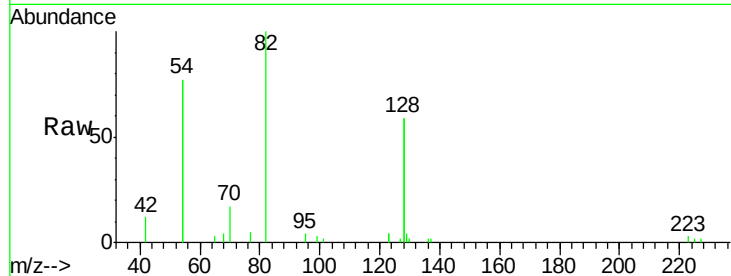
ClientSampleId :

PST-025-B033-031319

Tot Ion:	82	Resp:	4111
Ion Ratio	Lower	Upper	
82	100		
128	118.1	123.8	185.8#
54	154.7	203.4	305.2#

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#11

2-Methylnaphthalene-d10

Concen: 0.372 ng

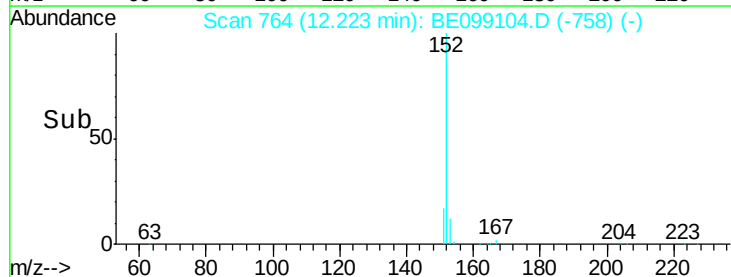
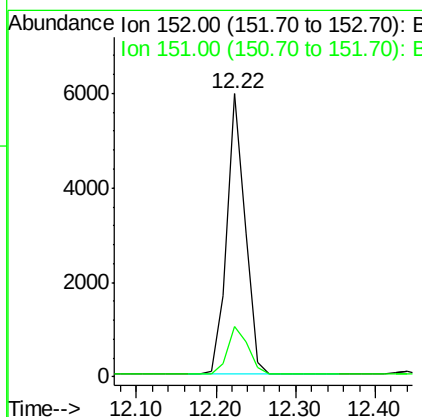
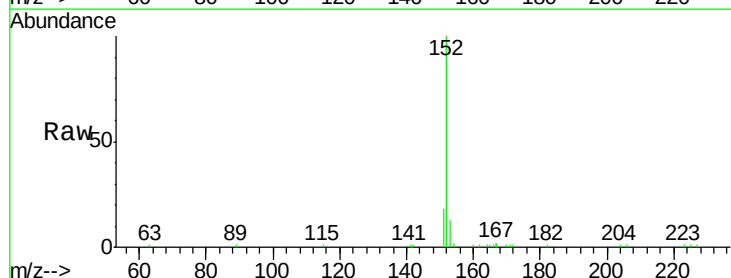
RT: 12.22 min Scan# 764

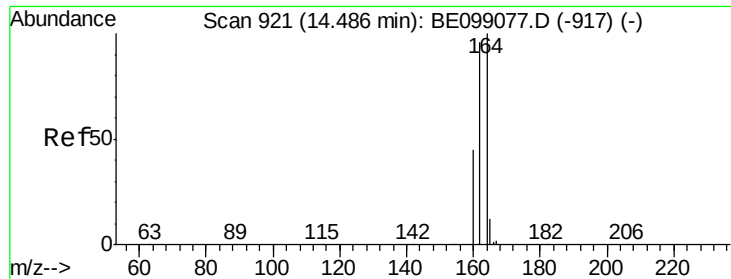
Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion:	152	Resp:	9451
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.5	24.7





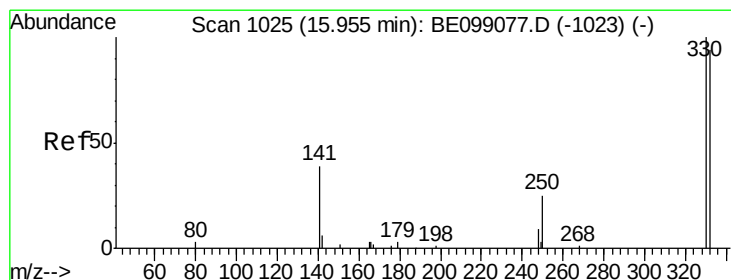
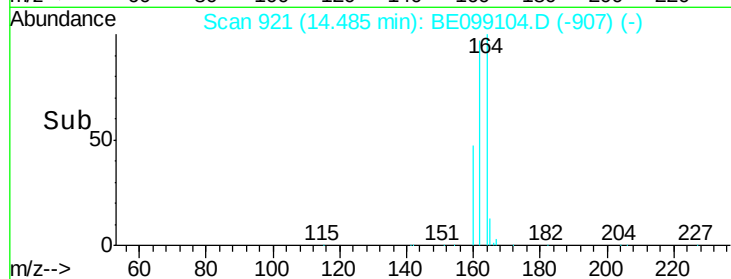
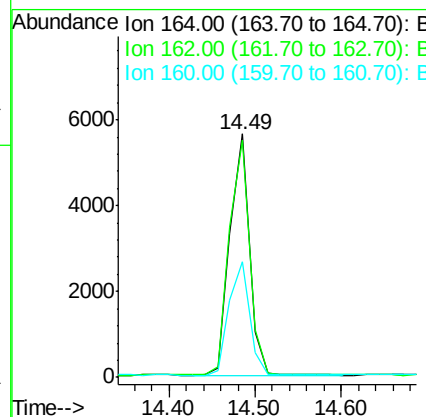
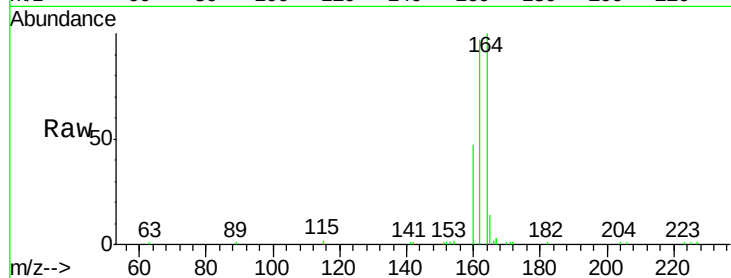
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.5	80.2	120.2
160	47.4	37.8	56.8

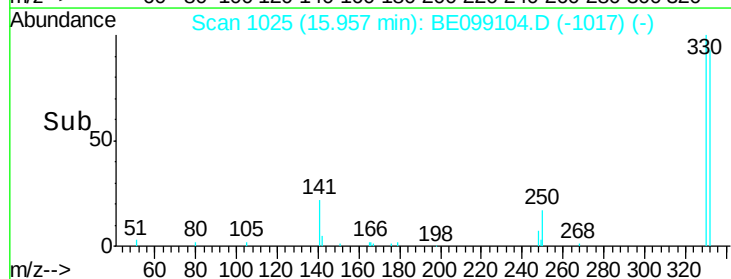
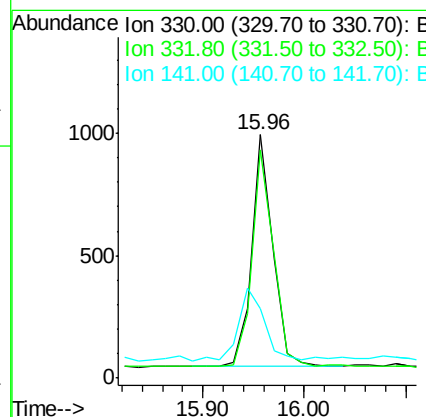
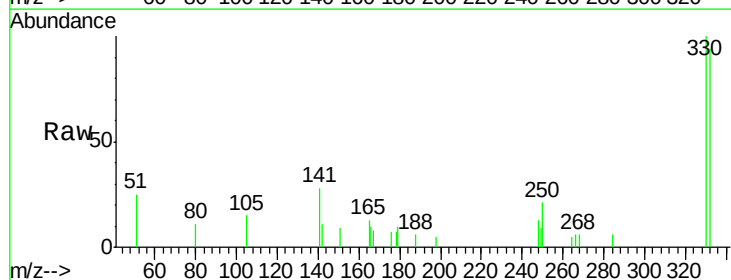
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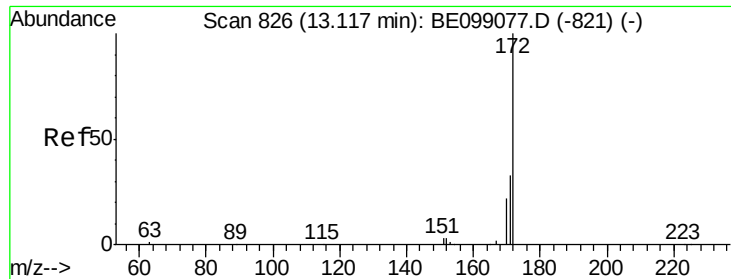
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#14
2,4,6-Tribromophenol
Concen: 0.533 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.6	116.4
141	39.2	31.0	46.4





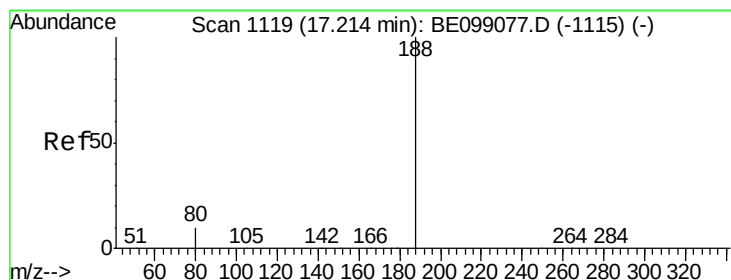
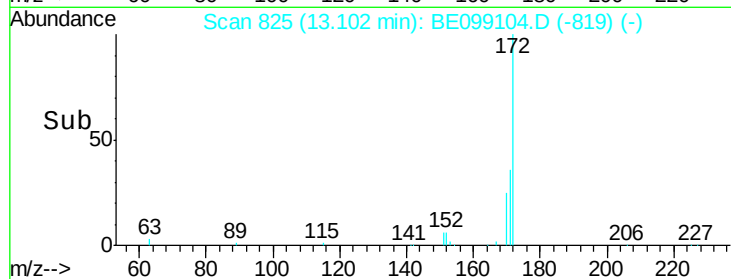
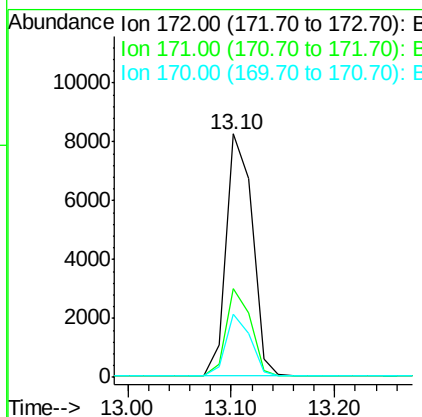
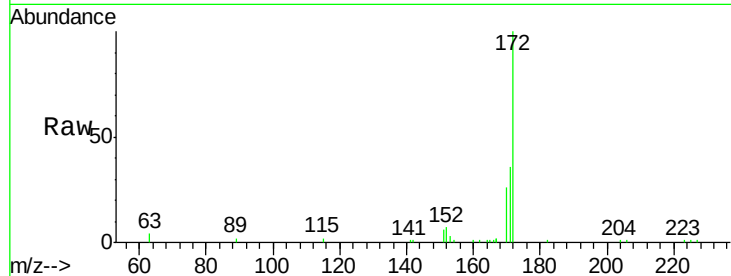
#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.0	42.0
170	25.7	17.7	26.5

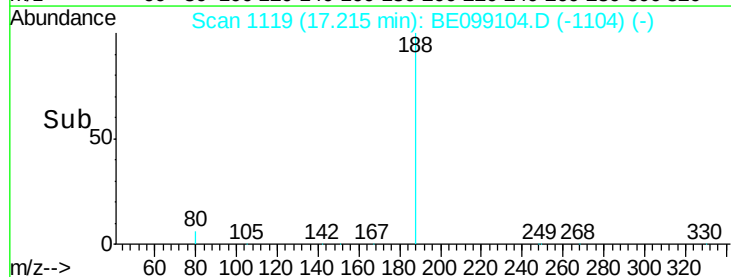
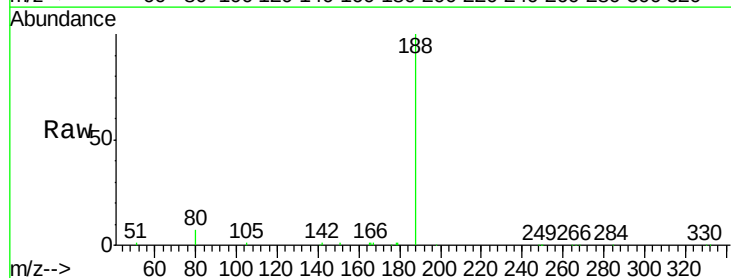
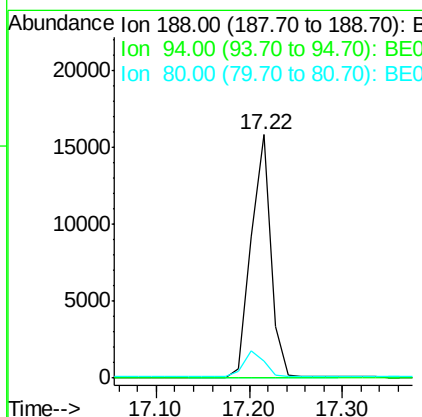
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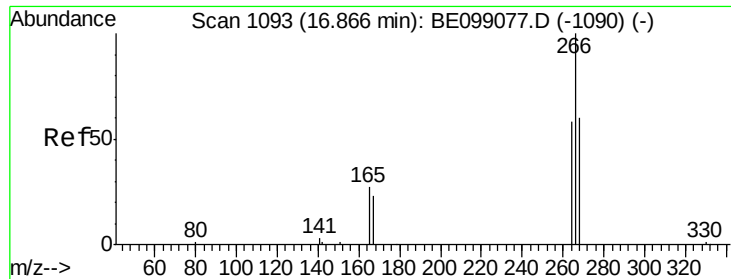
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

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





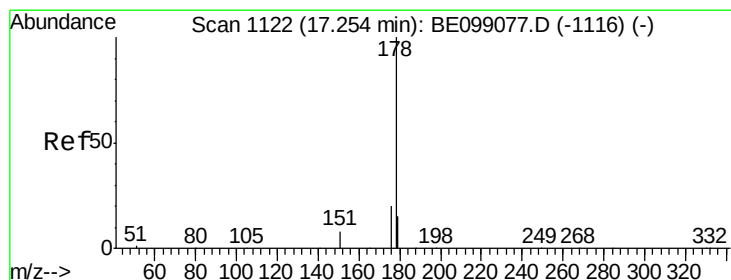
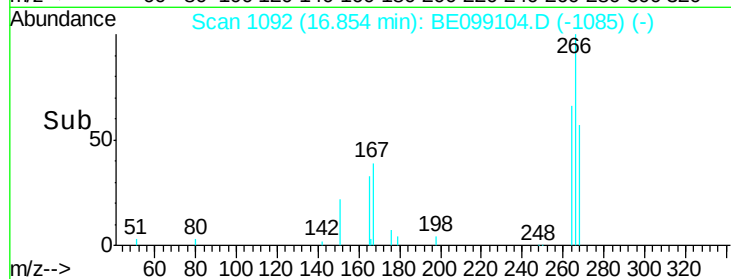
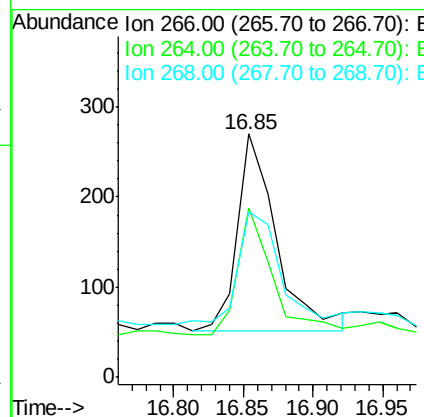
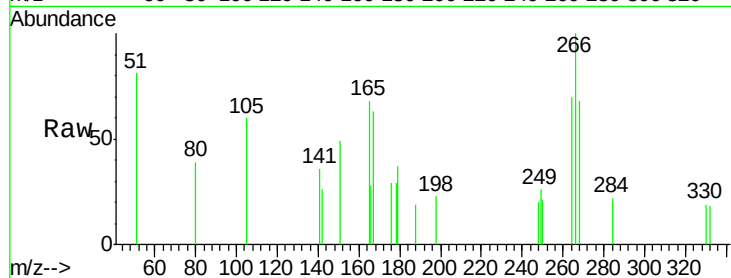
#22
 Pentachlorophenol
 Concen: 0.337 ng
 RT: 16.85 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: BE099104.D
 Acq: 23 Mar 2019 10:08

Instrument :
 BNA_E
 ClientSampled :
 PST-025-B033-031319

Tot Ion	Ratio	Resp	Lower	Upper
266	100	422		
264	69.6		66.6	100.0
268	67.8		69.8	104.8

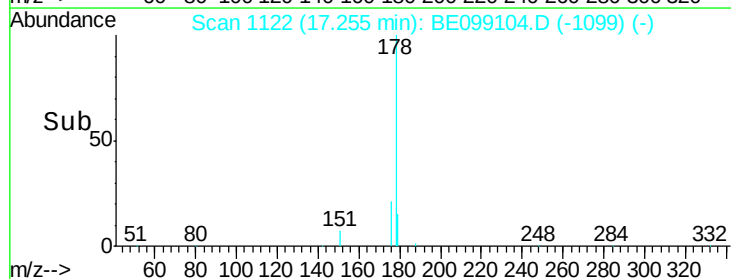
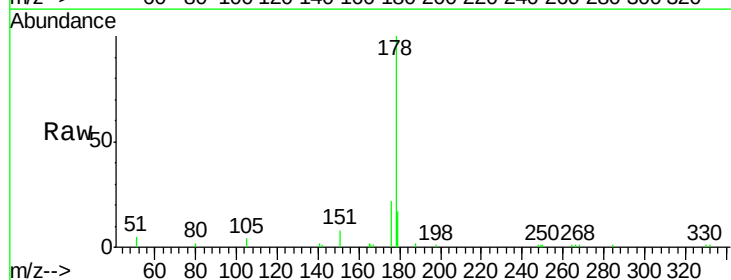
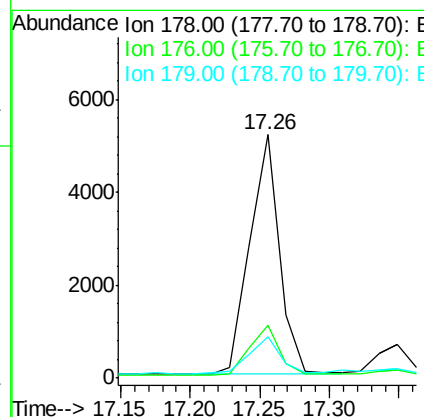
Manual Integrations
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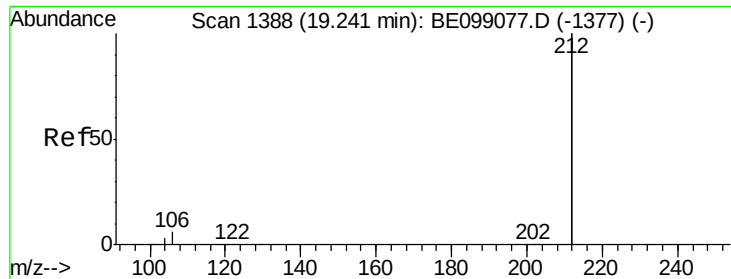
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#23
 Phenanthrene
 Concen: 0.109 ng
 RT: 17.26 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BE099104.D
 Acq: 23 Mar 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	7565		
176	20.5		16.0	24.0
179	16.6		12.1	18.1





#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

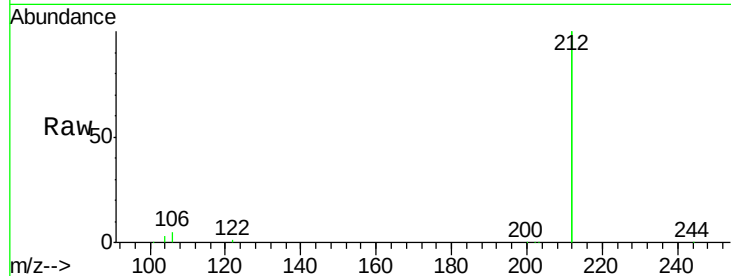
ClientSampleId :

PST-025-B033-031319

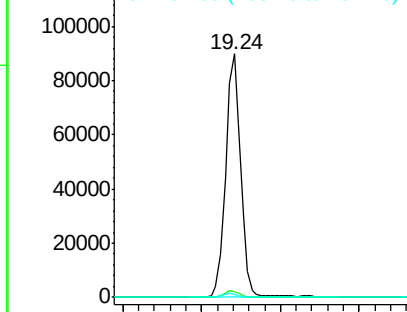
Tot Ion	Ion	Ratio	Resp	Lower	Upper
212	100				
106	2.7		1.8	2.8	
104	1.5		1.0	1.6	

Manual Integrations
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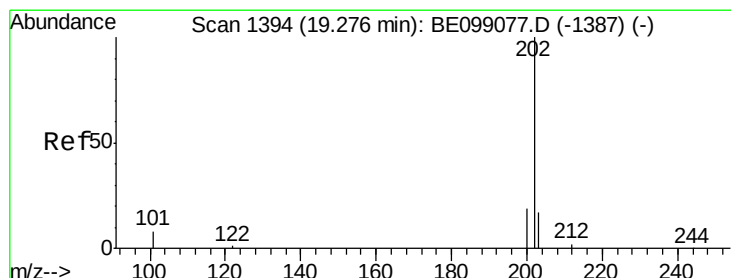
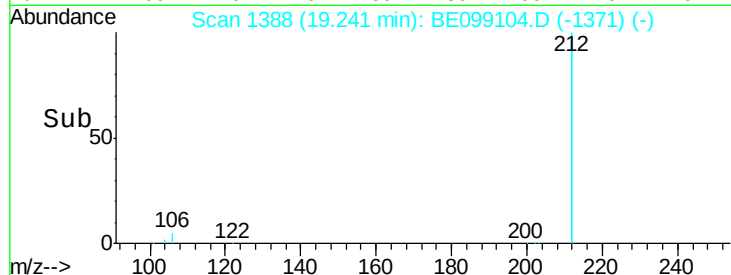
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time--> 19.10 19.20 19.30 19.40



#26

Fluoranthene

Concen: 0.148 ng

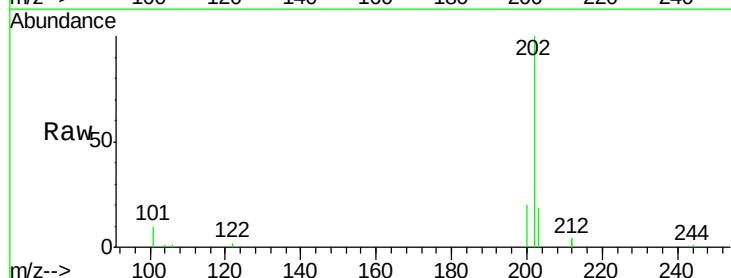
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

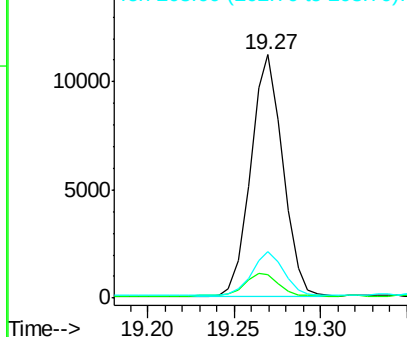
Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

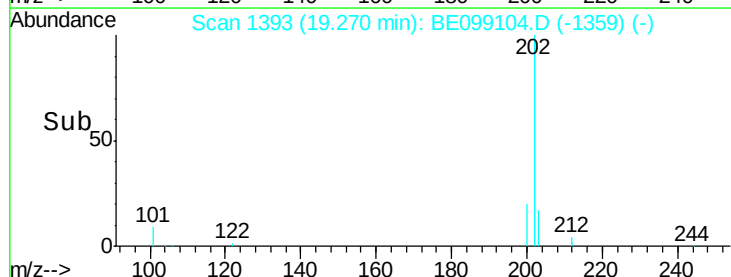
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.3		7.3	10.9	
203	17.9		13.4	20.2	

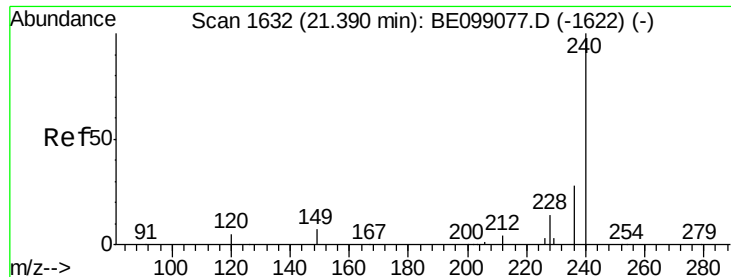


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.25 19.30





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

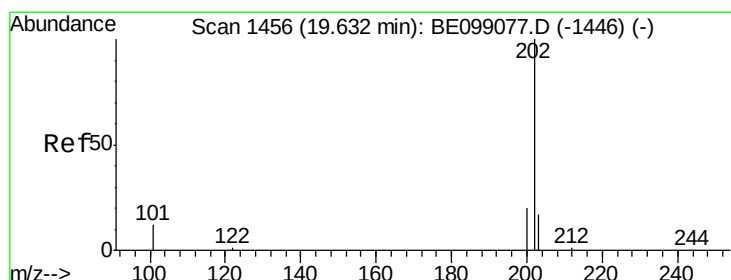
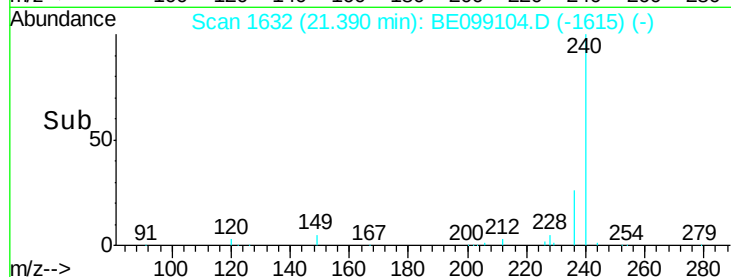
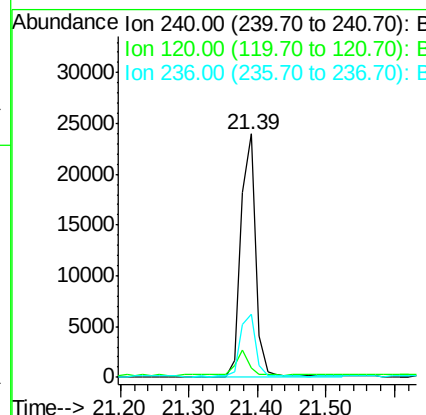
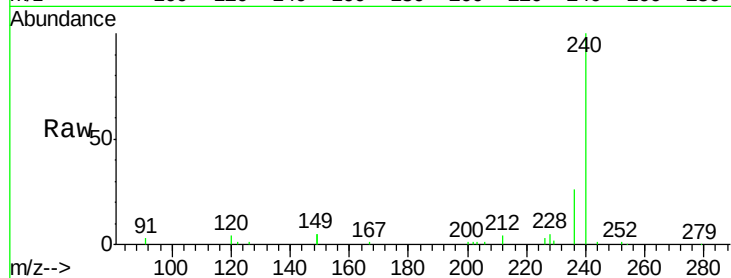
ClientSampleId :

PST-025-B033-031319

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.0	5.0	7.4#
236	26.1	22.7	34.1

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#28

Pyrene

Concen: 0.120 ng

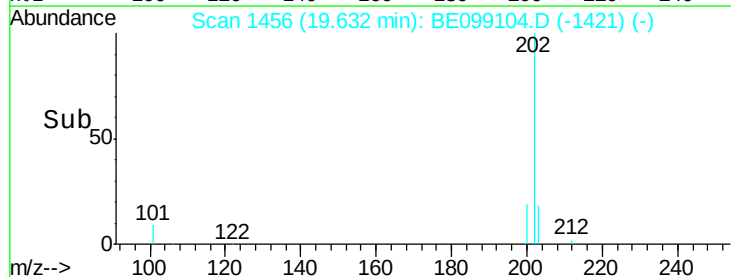
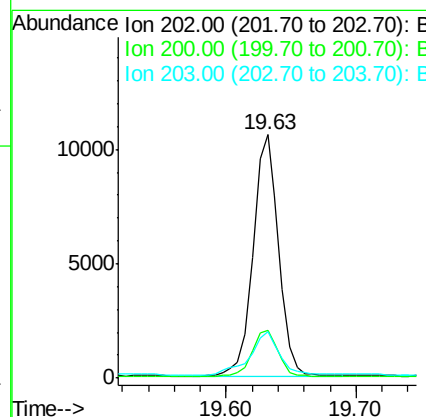
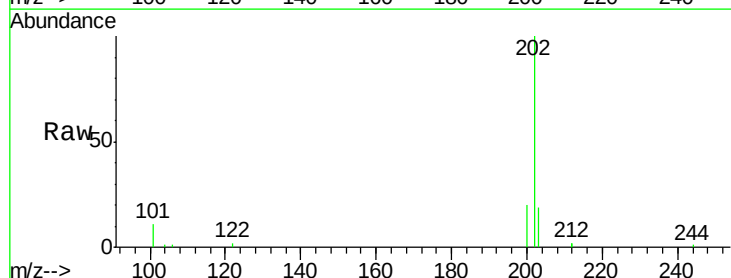
RT: 19.63 min Scan# 1456

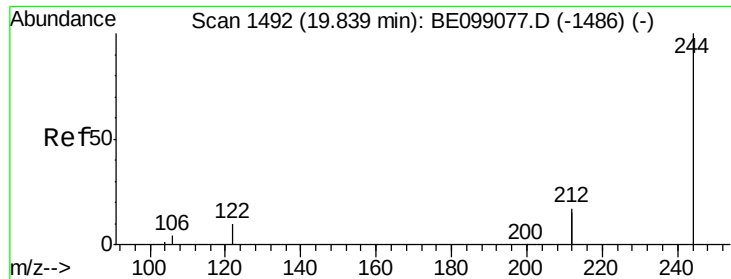
Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.6
203	21.0	14.2	21.2





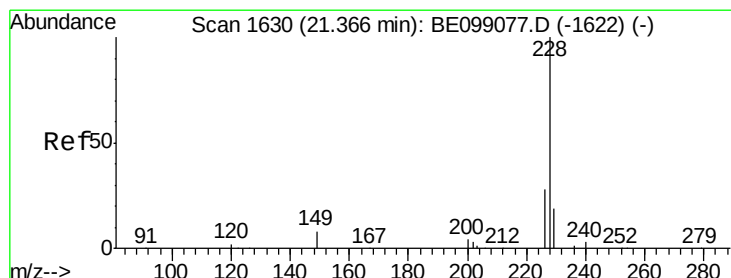
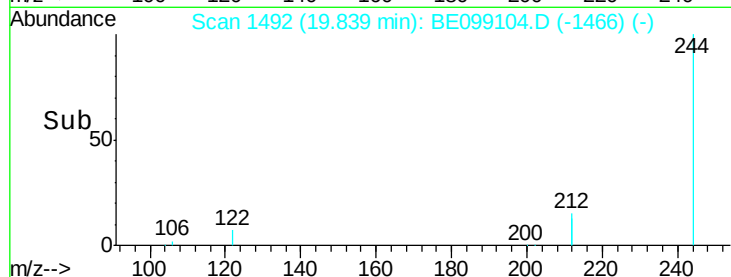
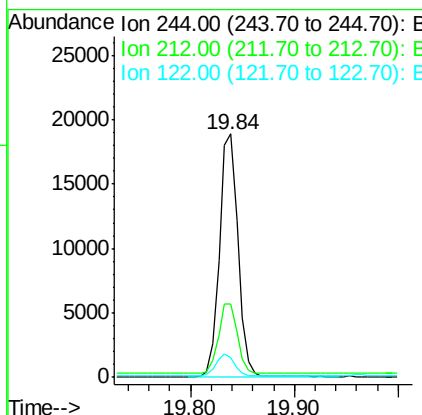
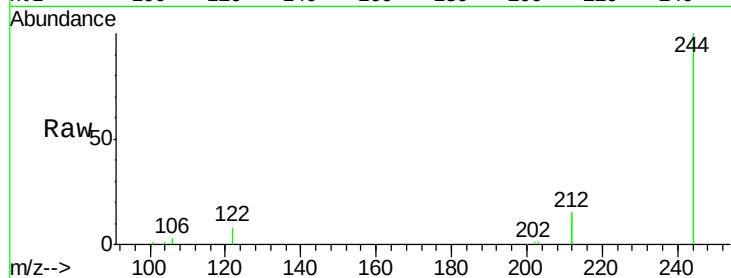
#29
 Terphenyl-d14
 Concen: 0.309 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BE099104.D
 Acq: 23 Mar 2019 10:08

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B033-031319

Tot Ion	Ratio	Lower	Upper
244	100		
212	30.0	29.4	44.2
122	7.8	7.1	10.7

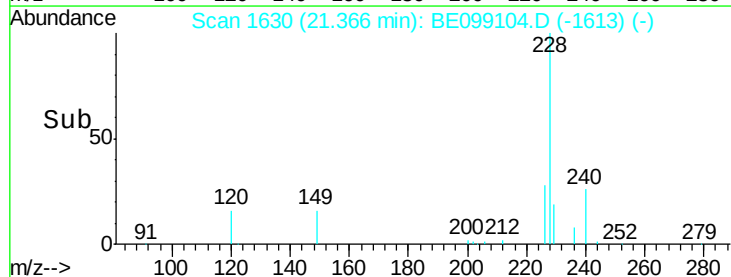
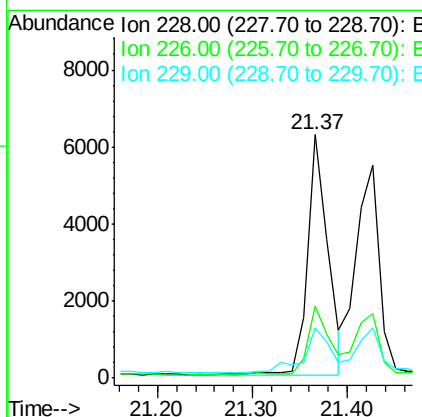
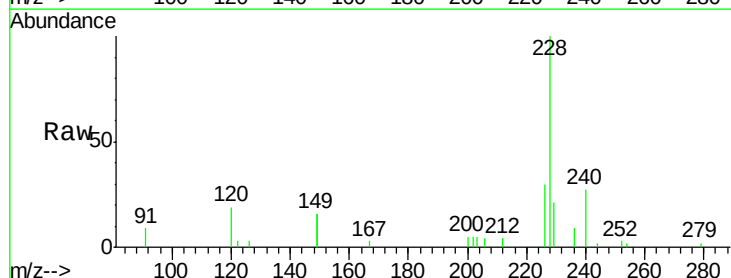
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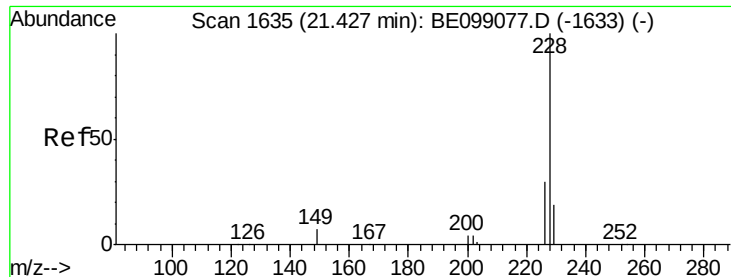
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#30
 Benzo(a)anthracene
 Concen: 0.074 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099104.D
 Acq: 23 Mar 2019 10:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.4
229	20.9	16.5	24.7





#31

Chrysene

Concen: 0.073 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

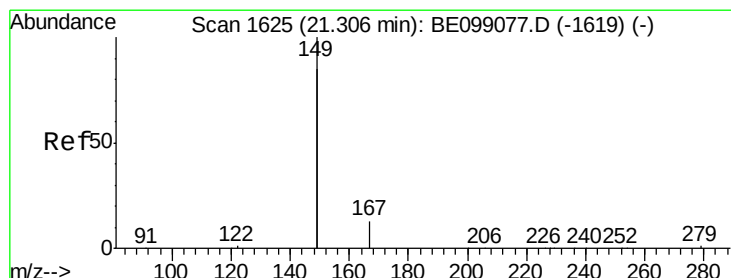
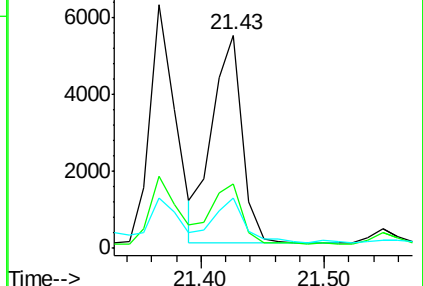
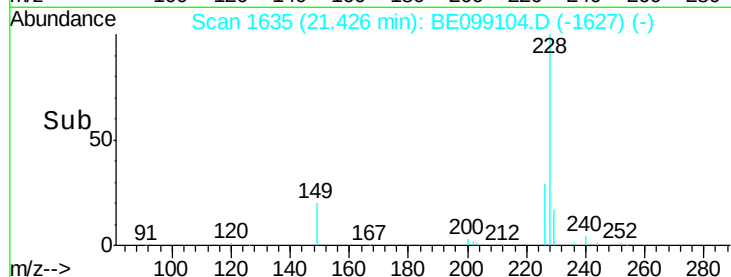
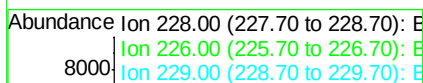
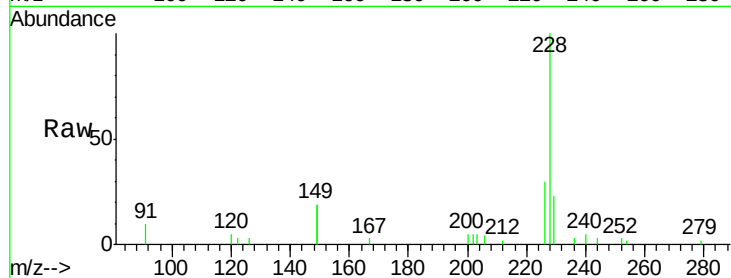
ClientSampleId :

PST-025-B033-031319

Tot Ion:	228	Resp:	9153
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	23.3	16.1	24.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.140 ng

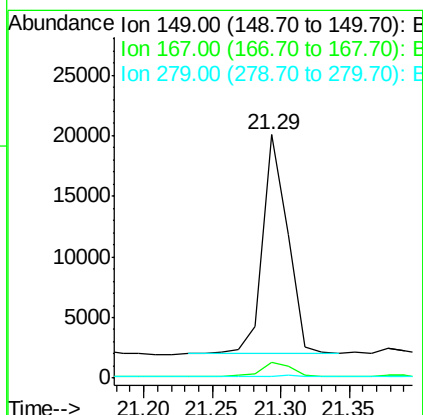
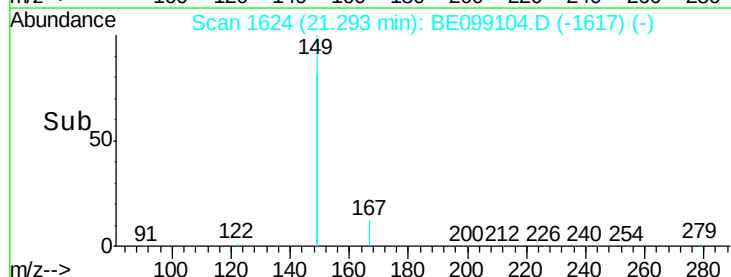
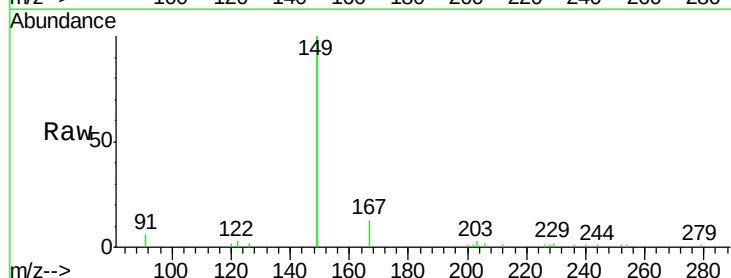
RT: 21.29 min Scan# 1624

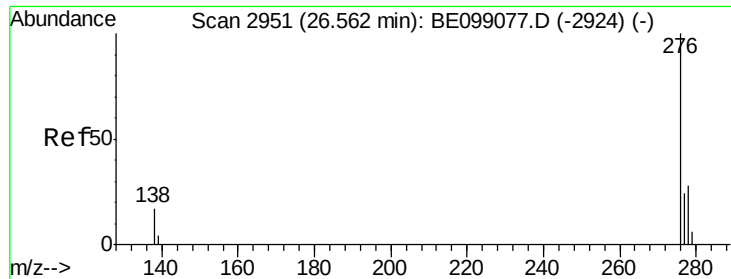
Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion:	149	Resp:	22783
Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.4	8.0
279	1.1	1.0	1.4





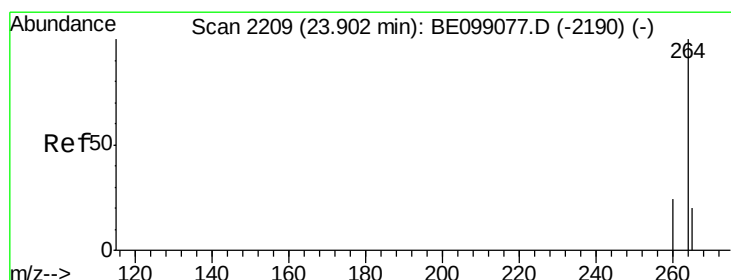
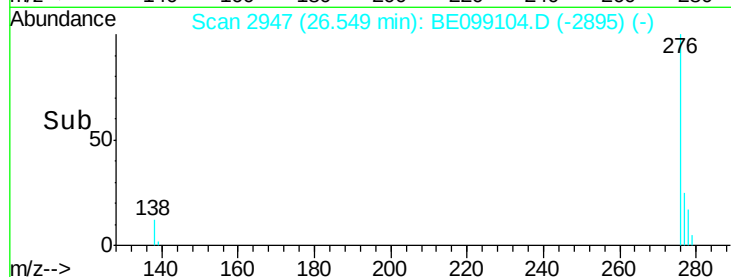
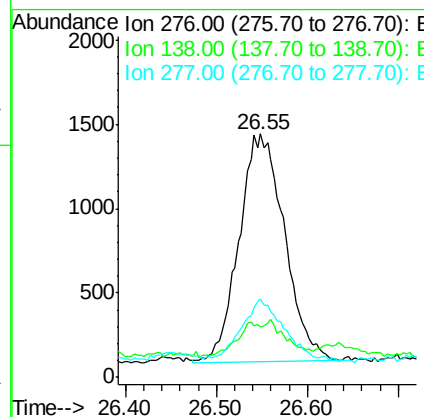
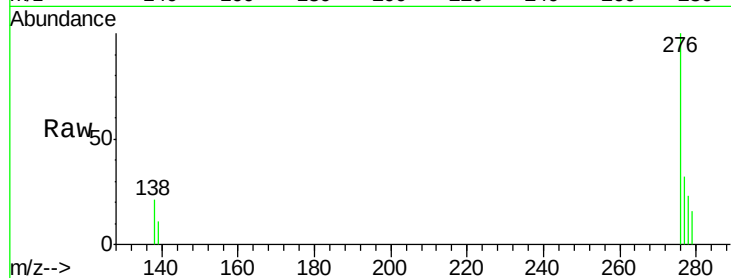
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.035 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.0	13.8	20.8#
277	26.1	19.5	29.3

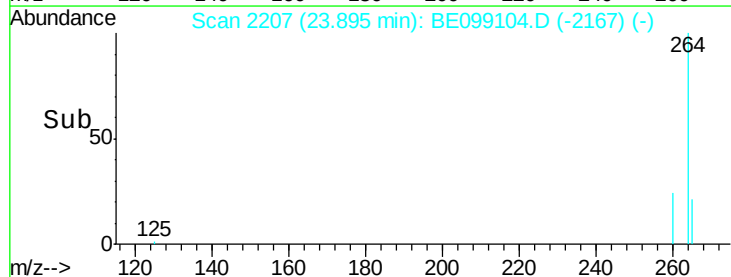
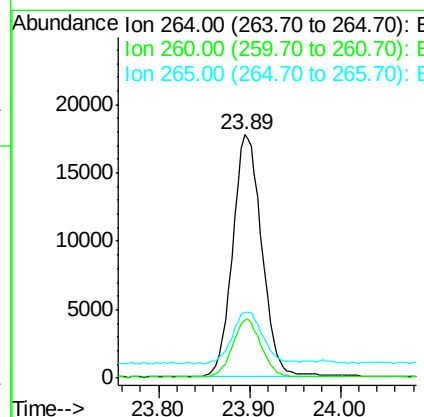
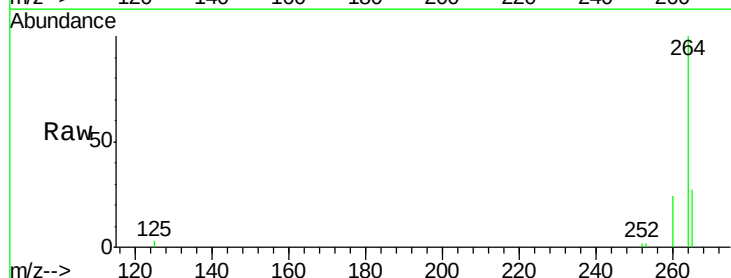
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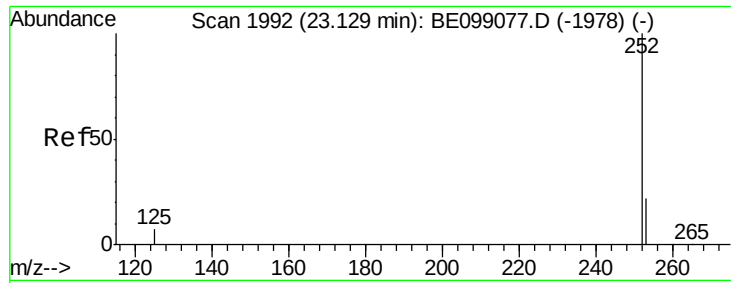
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	21.2	31.8
265	27.2	24.6	36.8





#35

Benzo(b)fluoranthene

Concen: 0.081 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

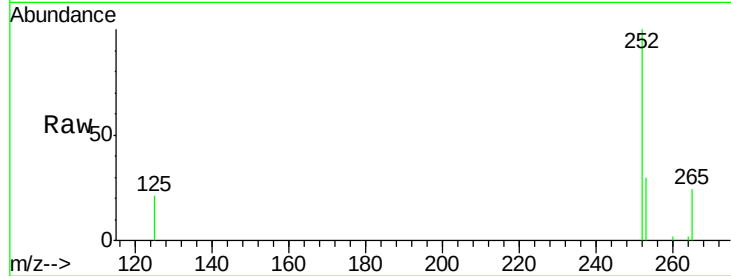
ClientSampleId :

PST-025-B033-031319

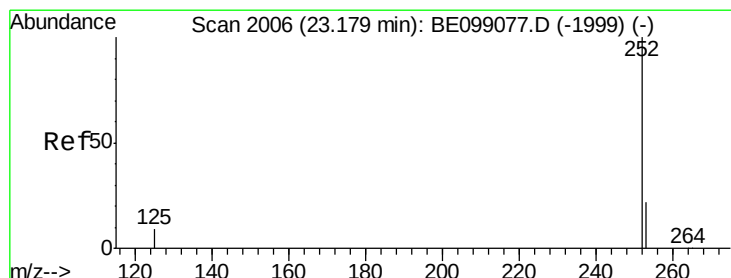
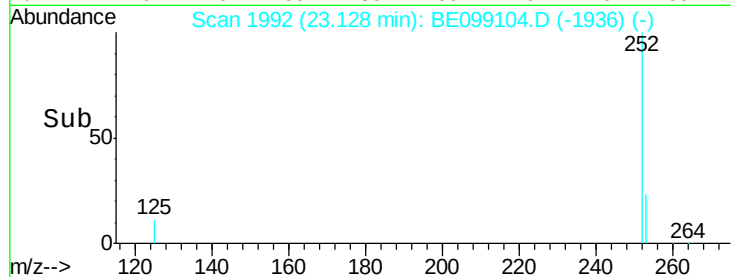
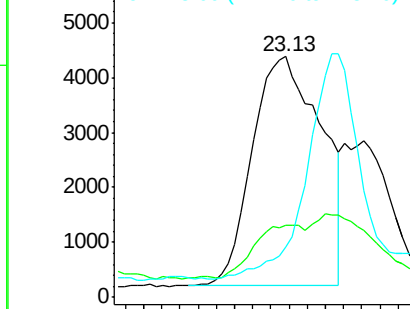
Tot Ion:	252	Resp:	11011
Ion Ratio	Lower	Upper	
252	100		
253	30.1	18.2	27.2#
125	21.1	7.3	10.9#

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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



#36

Benzo(k)fluoranthene

Concen: 0.037 ng m

RT: 23.17 min Scan# 2004

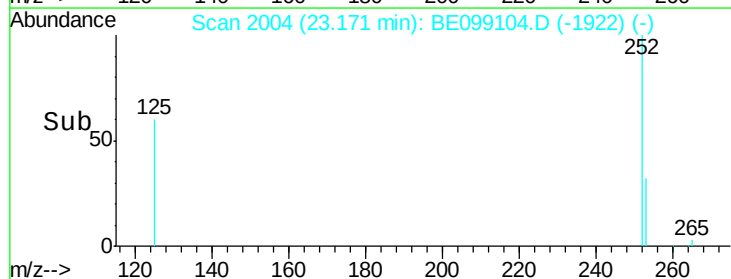
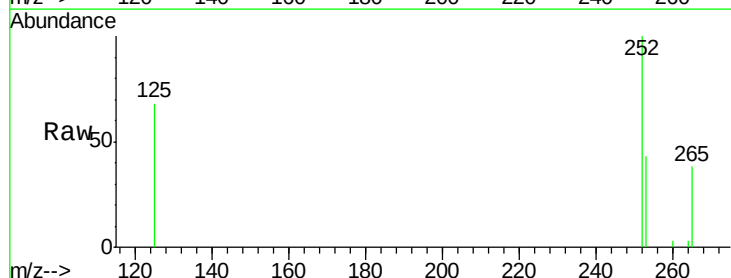
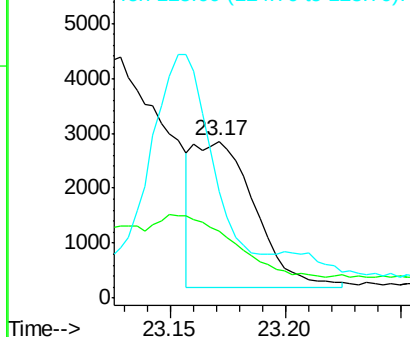
Delta R.T. -0.01 min

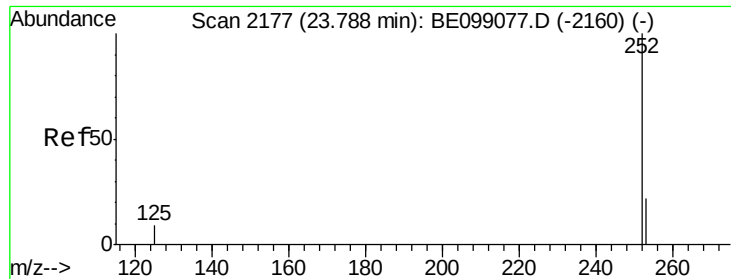
Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion:	252	Resp:	4897
Ion Ratio	Lower	Upper	
252	100		
253	43.0	19.3	28.9#
125	68.2	7.5	11.3#

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: 0.062 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

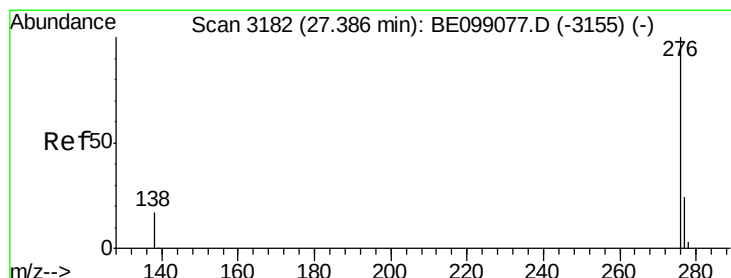
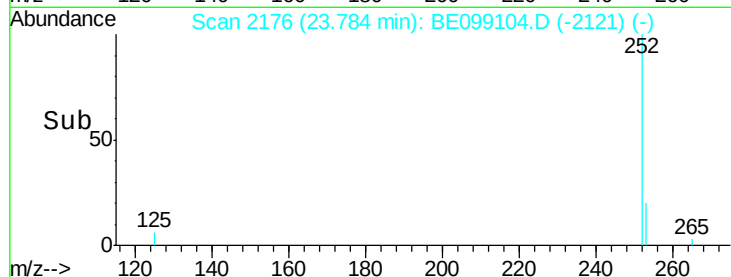
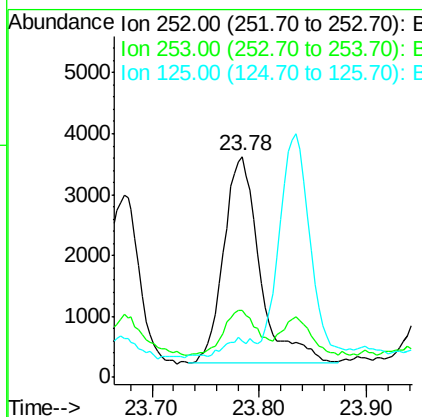
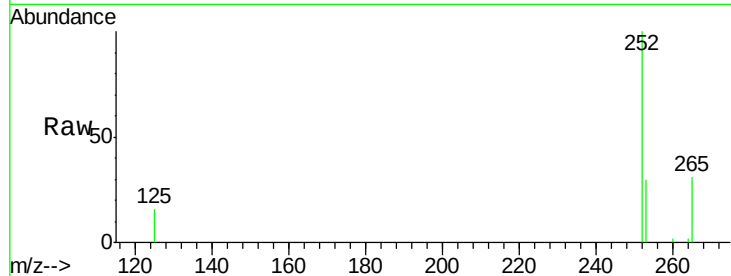
ClientSampleId :

PST-025-B033-031319

Tot Ion:	252	Resp:	7878
Ion Ratio	Lower	Upper	
252	100		
253	30.2	19.9	29.9#
125	16.2	9.0	13.4#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.039 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion:	276	Resp:	4866
Ion Ratio	Lower	Upper	
276	100		
277	26.3	20.4	30.6
138	24.0	13.6	20.4#

