

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099131.D
 Acq On : 24 Mar 2019 3:45
 Operator : JU/SJ
 Sample : K1948-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW081-031319

Manual Integrations
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 3/25/2019 12:37:33 PM

Quant Time: Mar 24 23:50:06 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	3664	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13823	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9086	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26367	0.40	ng	0.00
27) Chrysene-d12	21.38	240	34949	0.40	ng	-0.01
34) Perylene-d12	23.89	264	38082	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4278	0.39	ng	0.00
5) Phenol-d6	7.00	99	6051	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	4536	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8601	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1844	0.69	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12035	0.33	ng	-0.01
25) Fluoranthene-d10	19.24	212	115861	0.33	ng	0.00
29) Terphenyl-d14	19.83	244	18631	0.25	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.68	128	3763	0.023	ng	# 94
12) 2-Methylnaphthalene	12.30	142	602	0.022	ng	94
16) Acenaphthylene	14.20	152	2566	0.053	ng	# 93
21) Hexachlorobenzene	16.52	284	382	0.028	ng	# 87
23) Phenanthrene	17.25	178	21720	0.277	ng	98
24) Anthracene	17.35	178	2038	0.028	ng	# 92
26) Fluoranthene	19.27	202	47419	0.430	ng	98
28) Pyrene	19.63	202	55708	0.470	ng	96
30) Benzo(a)anthracene	21.37	228	26330	0.214	ng	95
31) Chrysene	21.43	228	34477	0.280	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	32190	0.201	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.54	276	18834	0.142	ng	96
35) Benzo(b)fluoranthene	23.12	252	40103	0.304	ng	# 88
36) Benzo(k)fluoranthene	23.17	252	12674m	0.098	ng	
37) Benzo(a)pyrene	23.78	252	25823	0.212	ng	96
38) Dibenzo(a,h)anthracene	26.57	278	5410	0.046	ng	# 62
39) Benzo(a,h,i)perylene	27.37	276	20386	0.168	ng	96

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

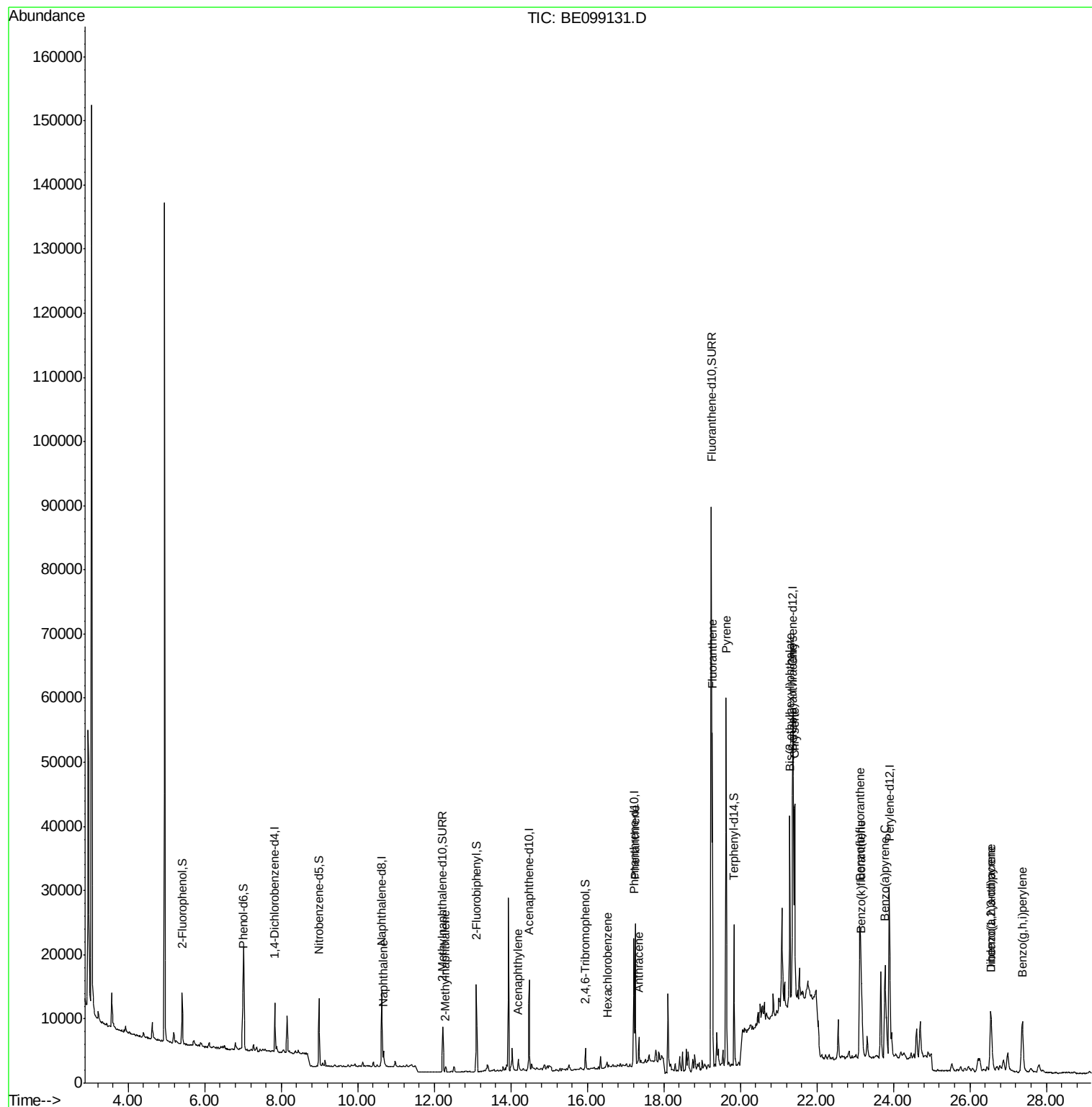
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
Data File : BE099131.D
Acq On : 24 Mar 2019 3:45
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ALS Vial : 28 Sample Multiplier: 1

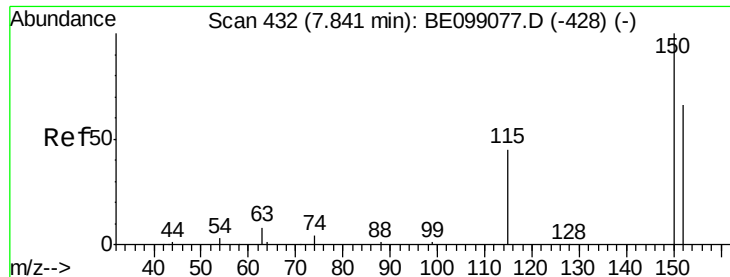
Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Quant Time: Mar 24 23:50:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
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QLast Update : Sat Mar 23 04:40:11 2019
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#1

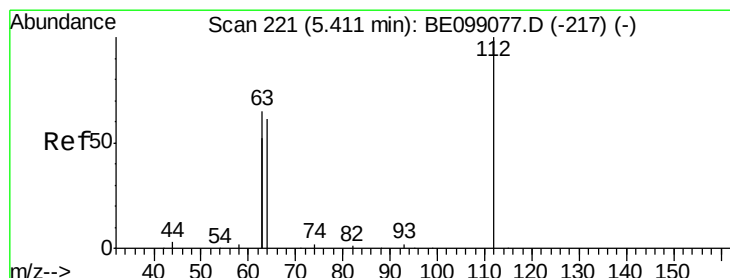
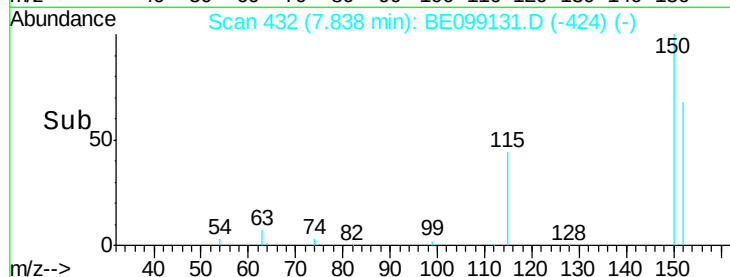
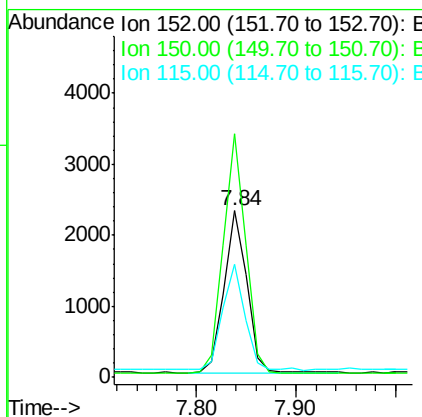
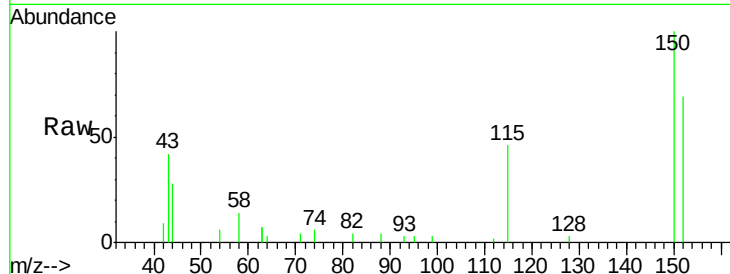
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.0	122.5	183.7
115	67.6	57.4	86.2

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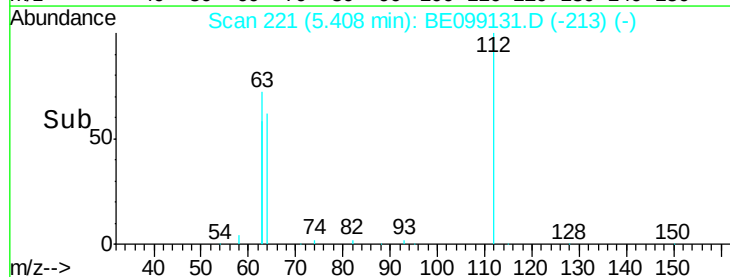
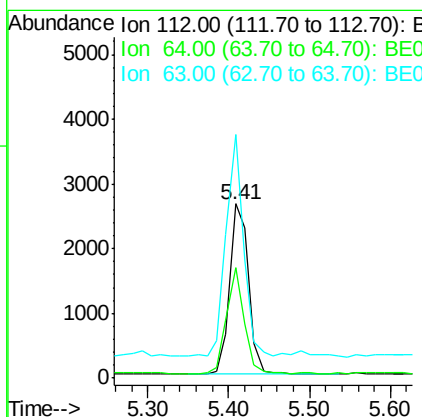
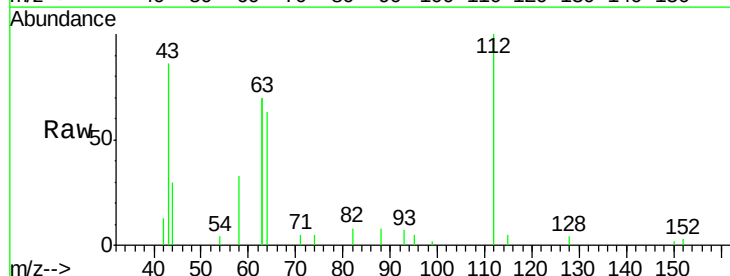
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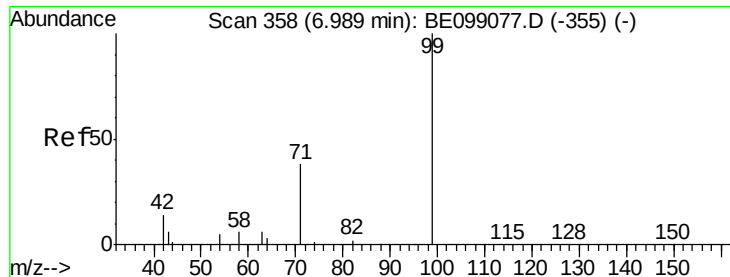


#4

2-Fluorophenol
Concen: 0.392 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	57.9	86.9#
63	118.7	158.3	237.5#





#5

Phenol-d6

Concen: 0.385 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Instrument :

BNA_E

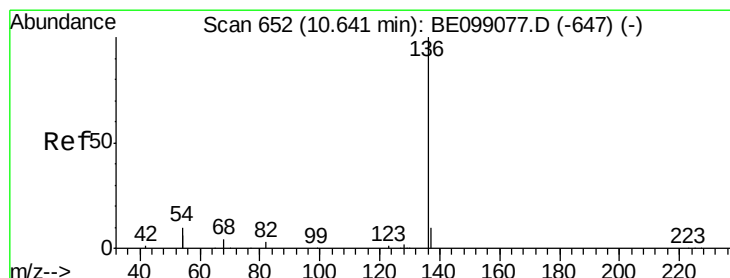
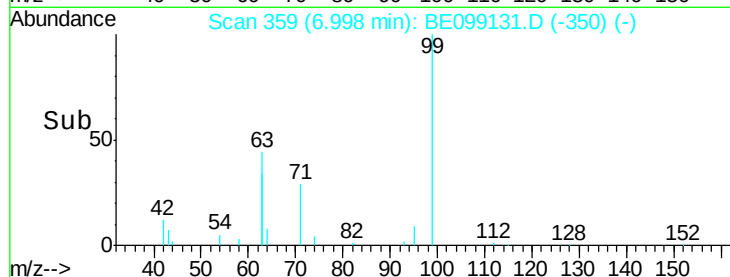
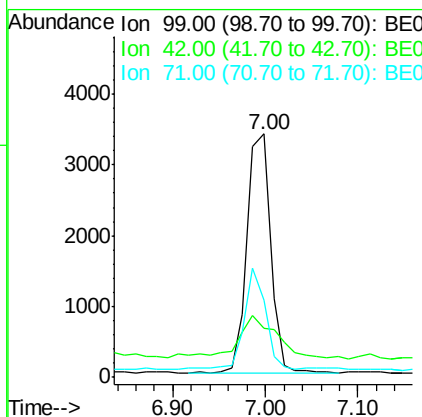
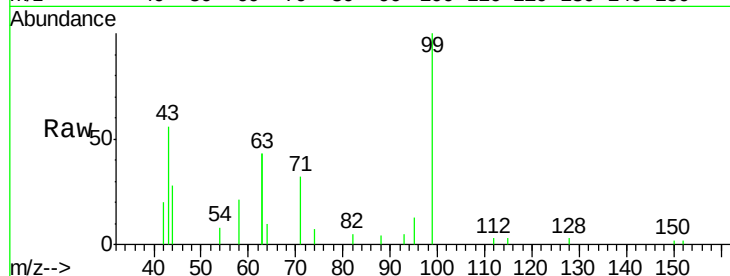
ClientSampleId :

PST-025-SW081-031319

Tot Ion:	99	Resp:	6051
Ion	Ratio	Lower	Upper
99	100		
42	29.6	24.2	36.2
71	38.5	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

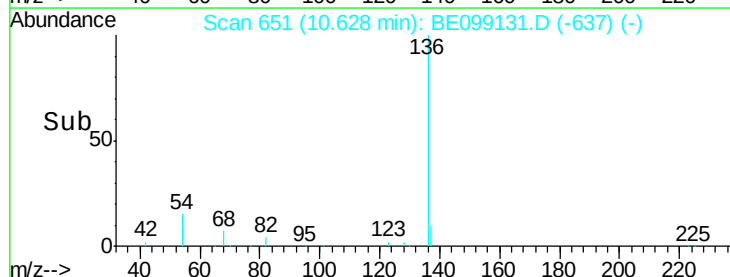
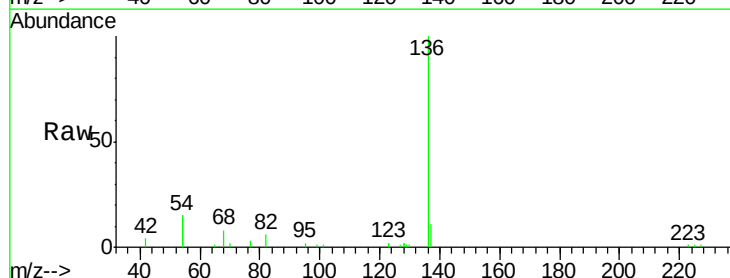
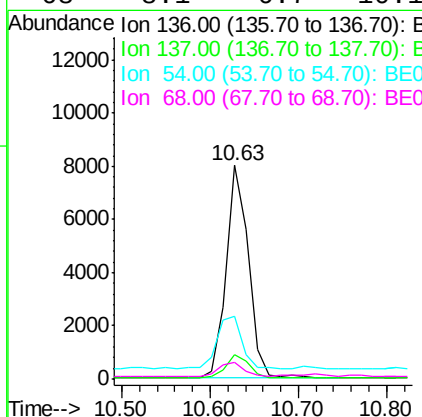
RT: 10.63 min Scan# 651

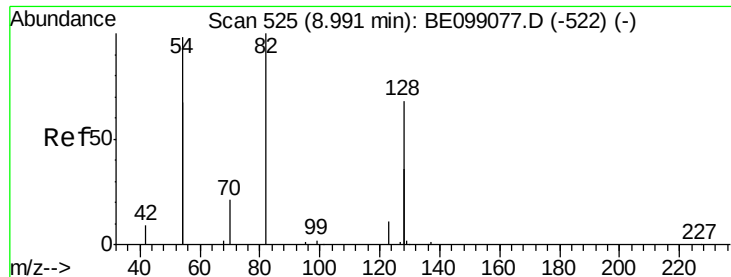
Delta R.T. -0.01 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Tgt Ion:	136	Resp:	13823
Ion	Ratio	Lower	Upper
136	100		
137	11.1	11.4	17.0#
54	29.5	39.3	58.9#
68	8.1	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.751 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Instrument :

BNA_E

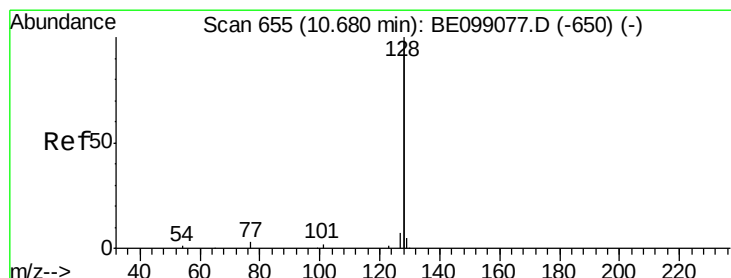
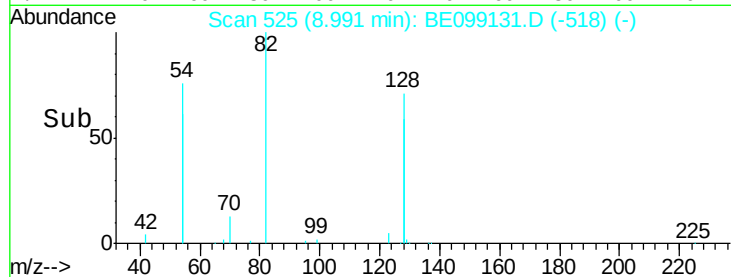
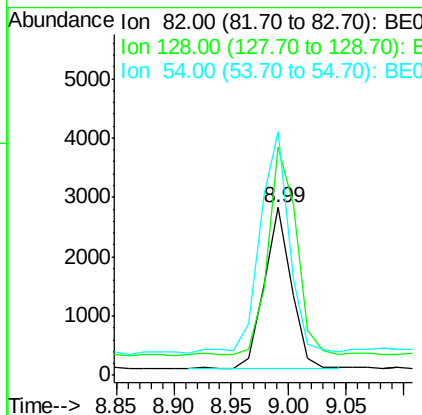
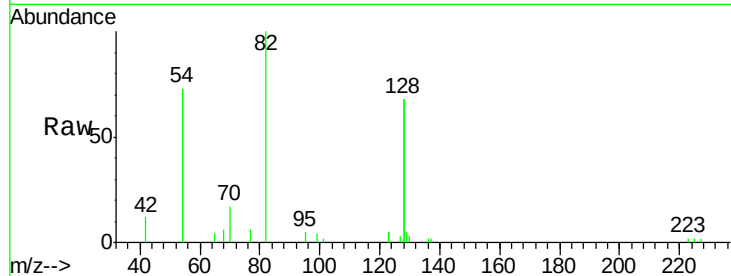
ClientSampleId :

PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
82	100		
128	136.0	123.8	185.8
54	145.0	203.4	305.2#

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#9

Naphthalene

Concen: 0.023 ng

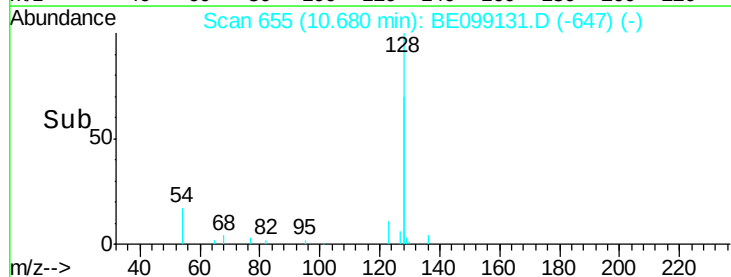
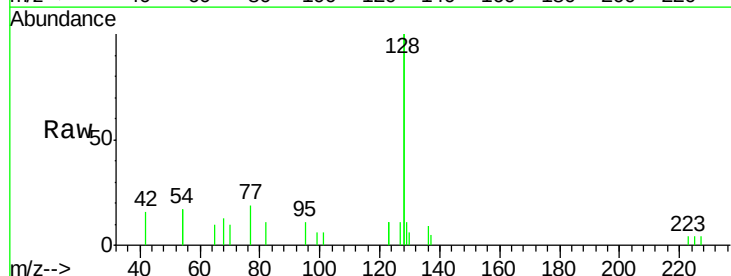
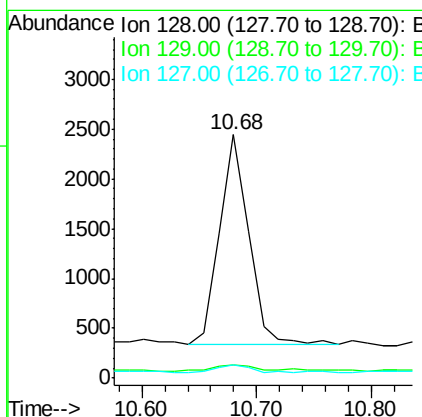
RT: 10.68 min Scan# 655

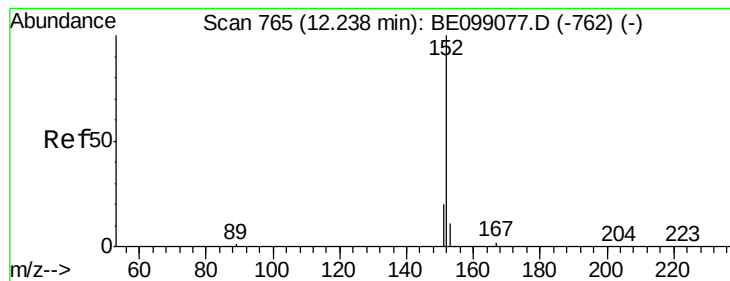
Delta R.T. 0.00 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.3	2.6	4.0#
127	5.6	3.1	4.7#





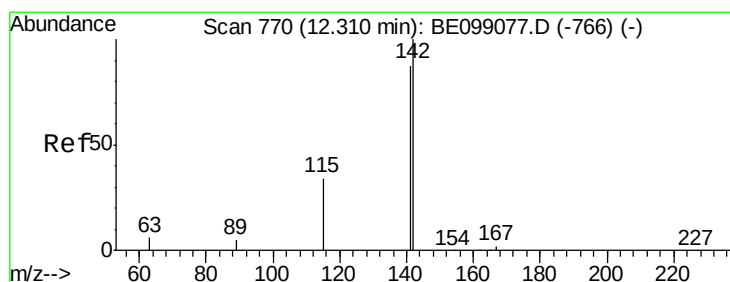
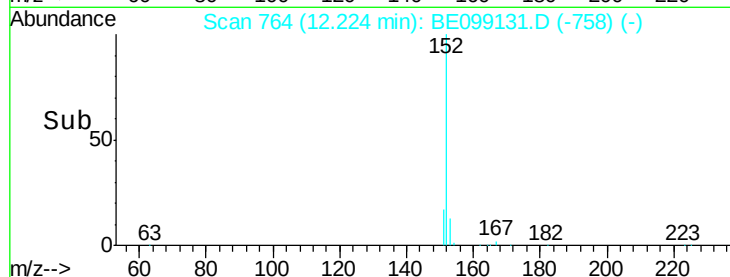
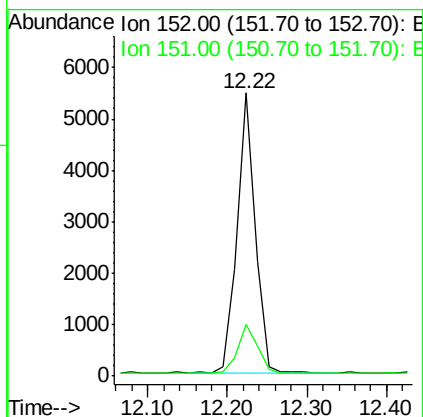
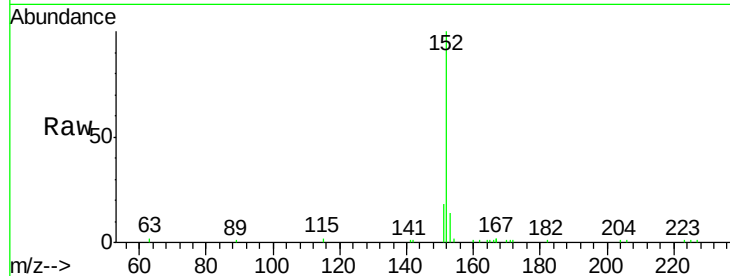
#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.5	24.7

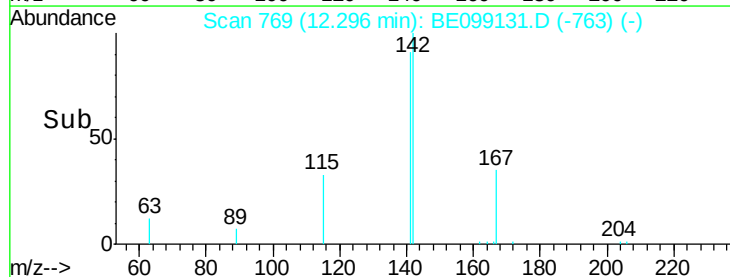
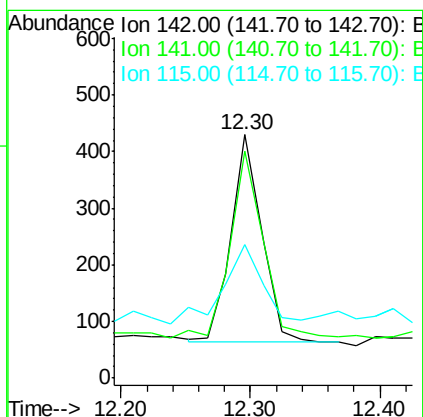
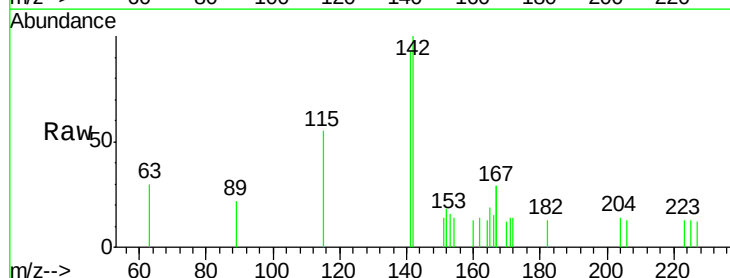
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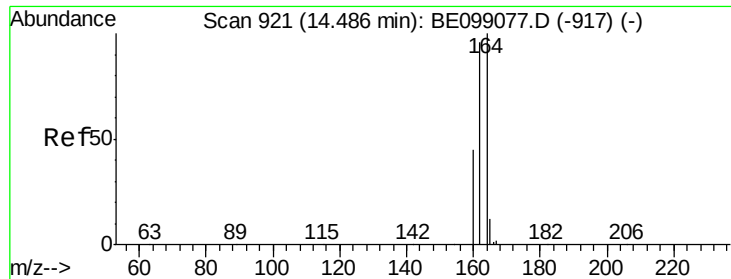
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#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.6	108.8
115	54.7	37.4	56.2





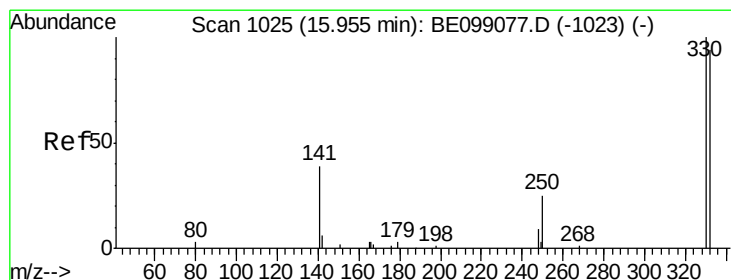
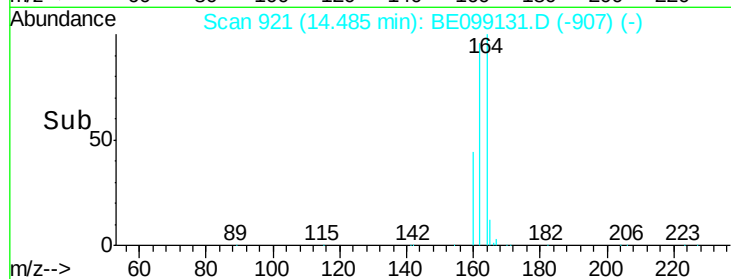
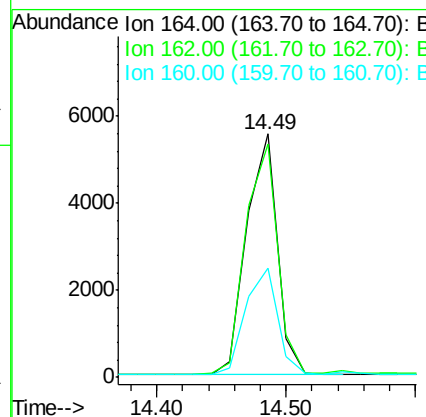
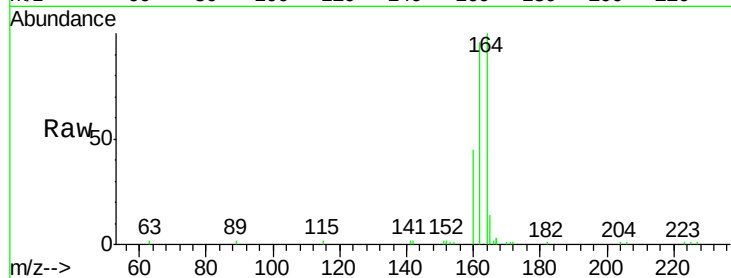
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.9	80.2	120.2
160	44.9	37.8	56.8

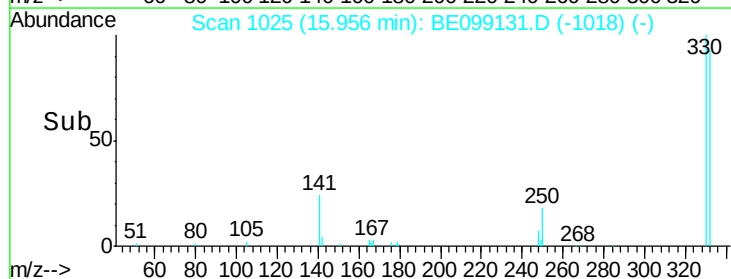
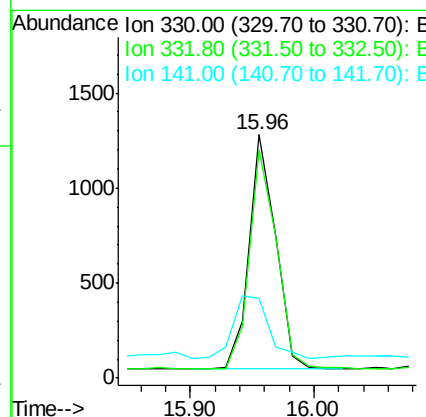
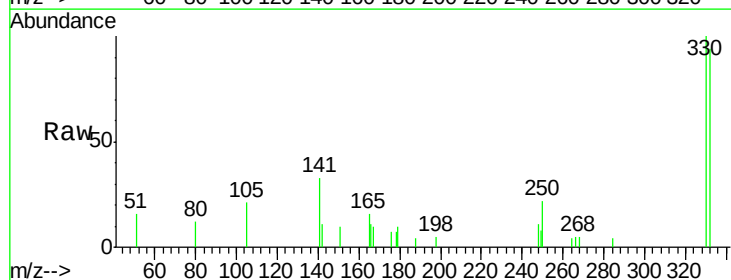
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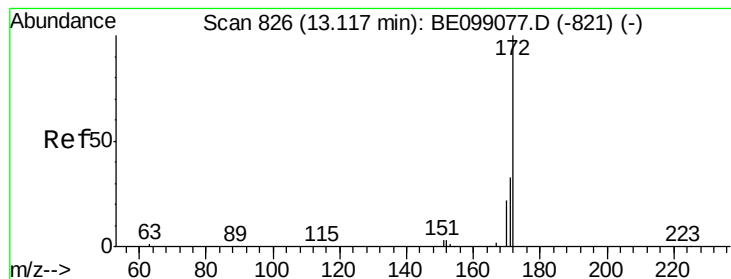
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#14
2,4,6-Tribromophenol
Concen: 0.690 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	35.0	31.0	46.4





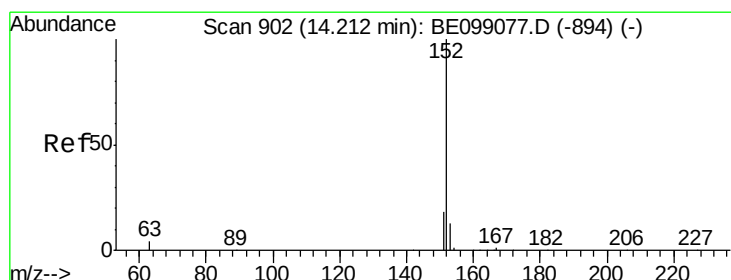
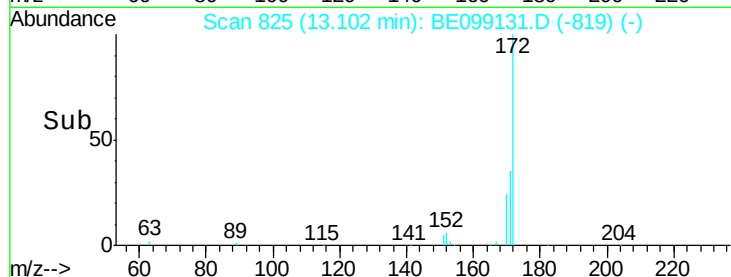
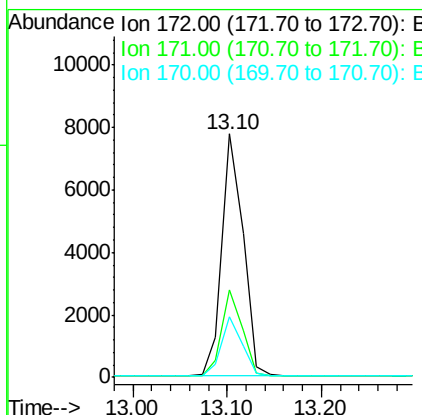
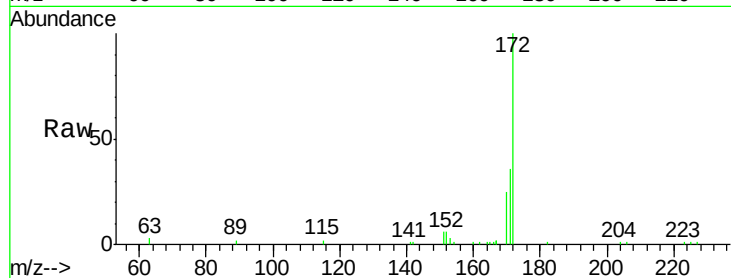
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.0	42.0
170	24.7	17.7	26.5

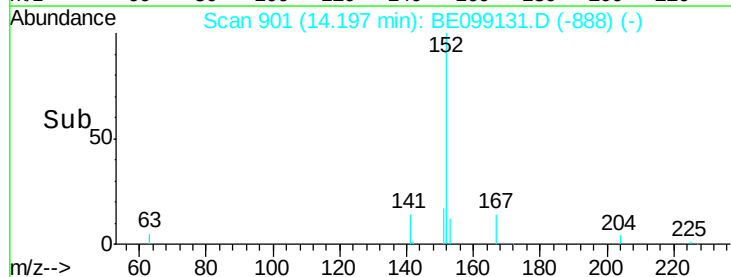
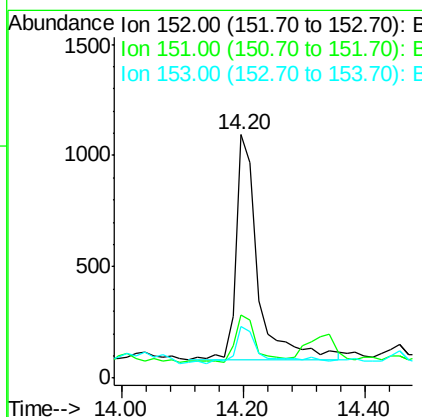
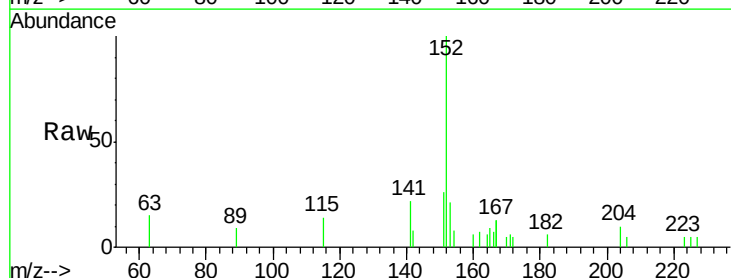
Manual Integrations
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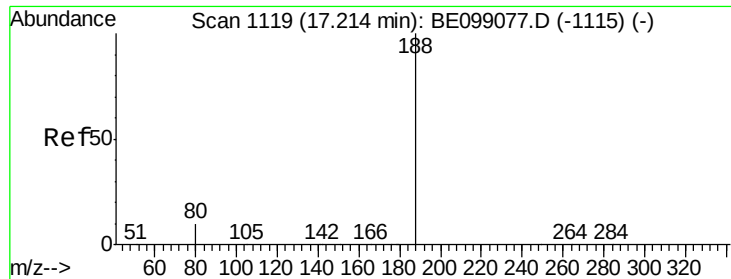
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#16
Acenaphthylene
Concen: 0.053 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	17.0	25.6
153	17.4	11.2	16.8#





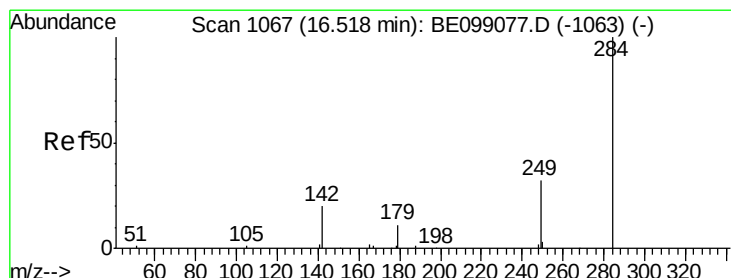
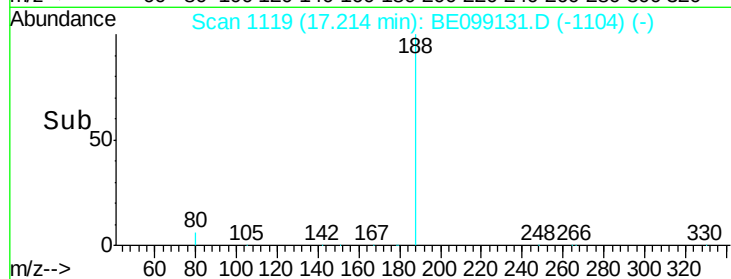
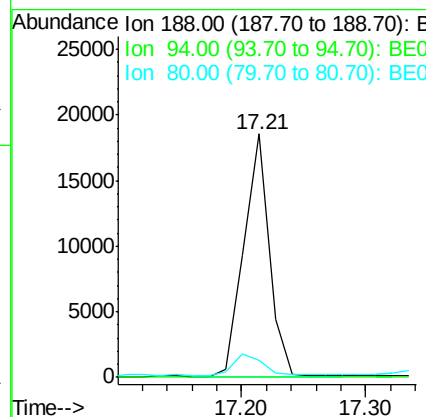
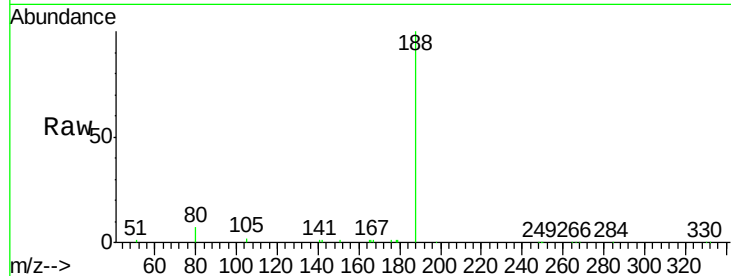
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	6.3	9.5

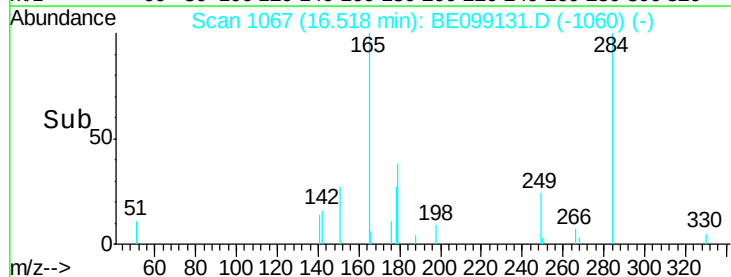
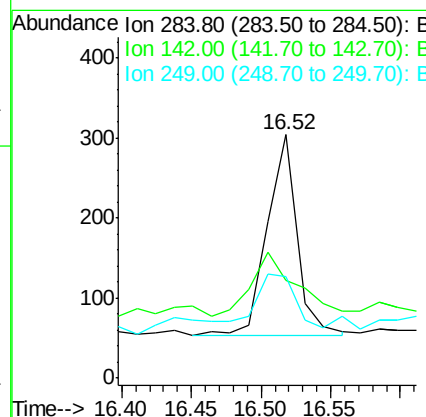
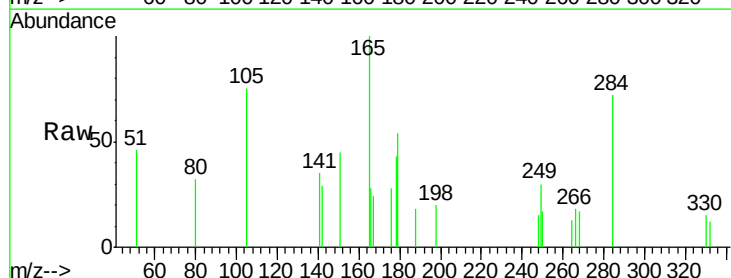
Manual Integrations
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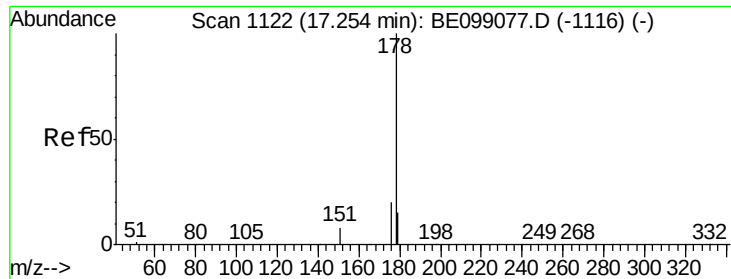
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#21
Hexachlorobenzene
Concen: 0.028 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Resp Lower	Upper
284	100		
142	46.6	28.7	43.1#
249	32.5	29.6	44.4





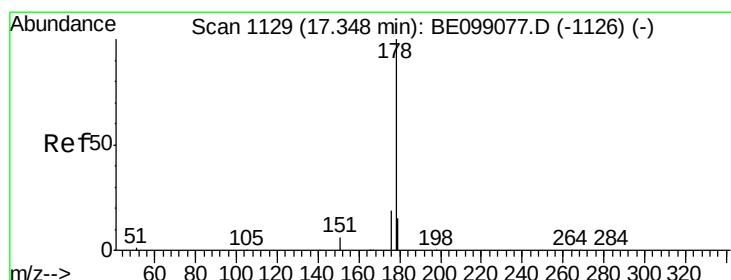
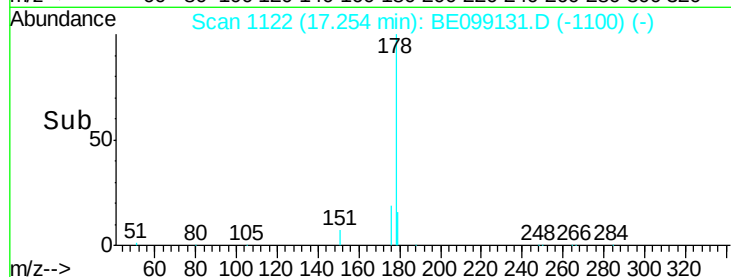
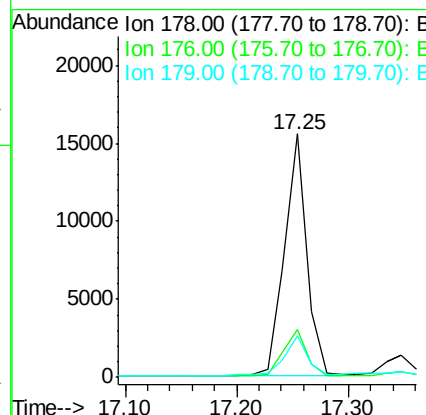
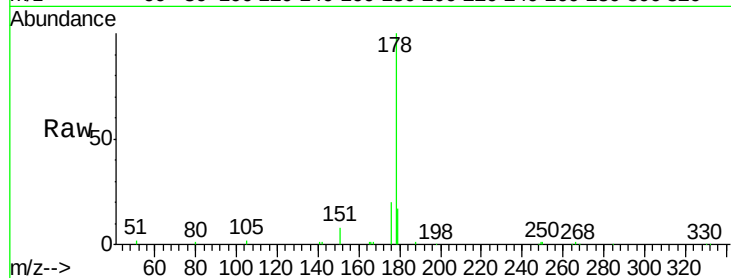
#23
Phenanthrene
Concen: 0.277 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	16.7	12.1	18.1

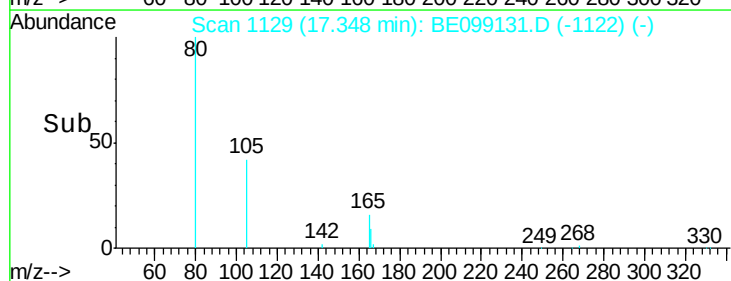
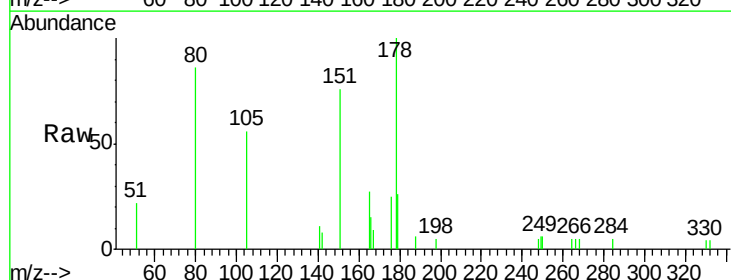
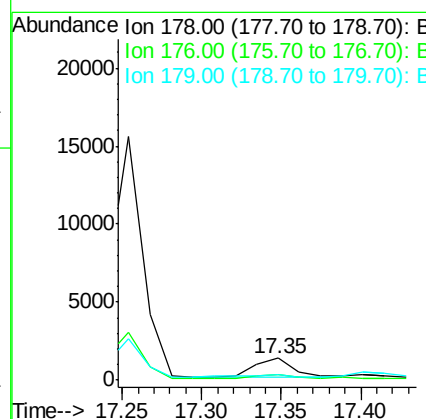
Manual Integrations
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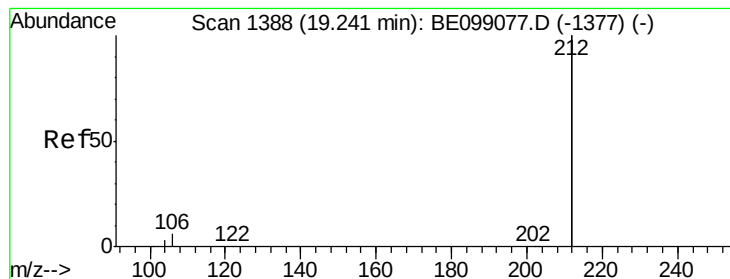
Sohil
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#24
Anthracene
Concen: 0.028 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.7	15.4	23.0#
179	16.5	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.329 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Instrument :

BNA_E

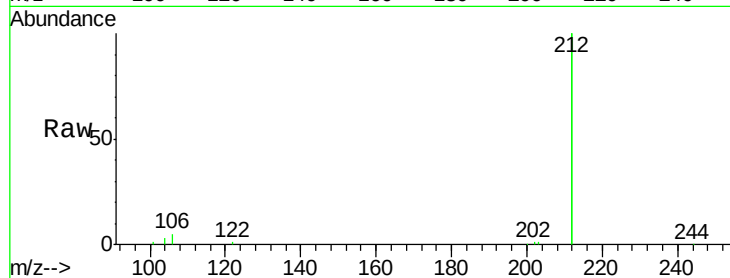
ClientSampleId :

PST-025-SW081-031319

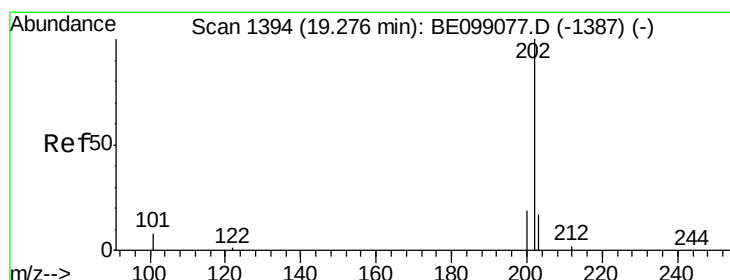
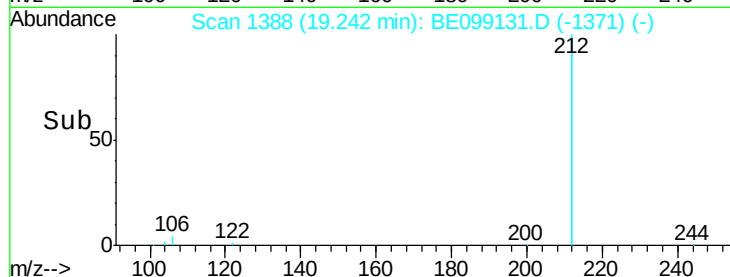
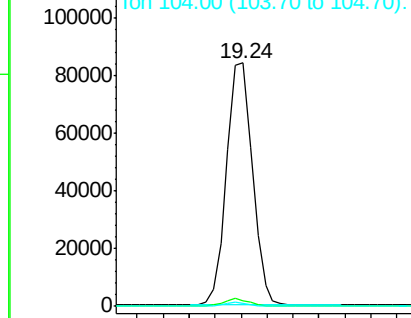
Tot Ion	Ratio	Resp	Lower	Upper
212	100	115861		
106	2.8	1.8	2.8#	
104	1.5	1.0	1.6	

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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



#26

Fluoranthene

Concen: 0.430 ng

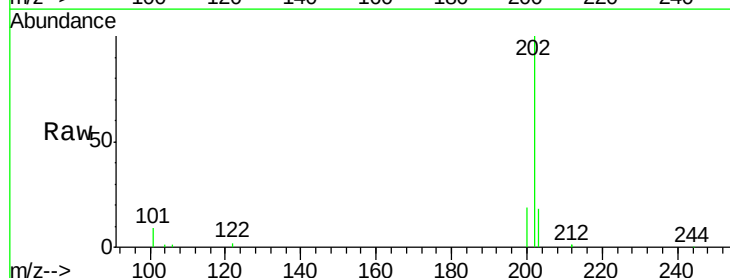
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

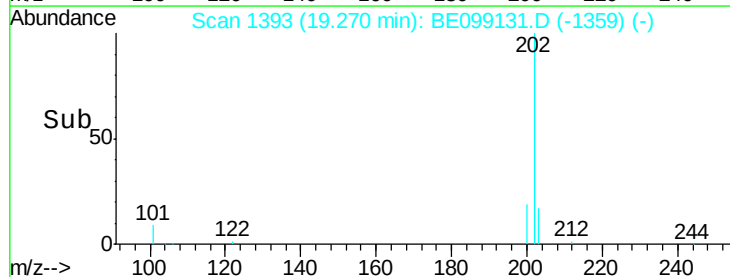
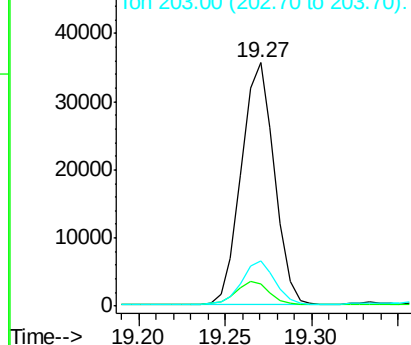
Lab File: BE099131.D

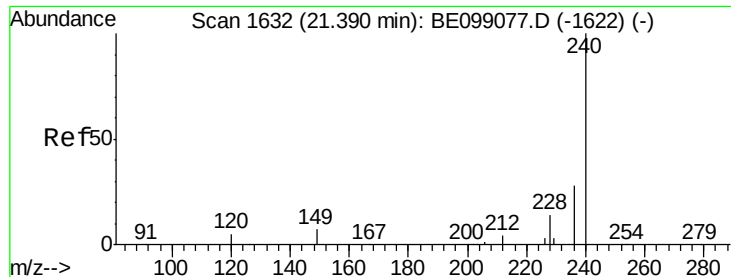
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	47419		
101	10.4	7.3	10.9	
203	17.4	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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Instrument :

BNA_E

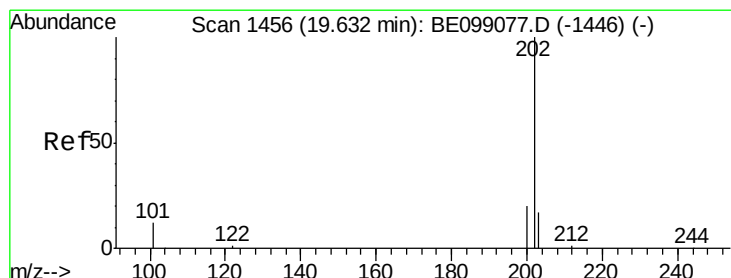
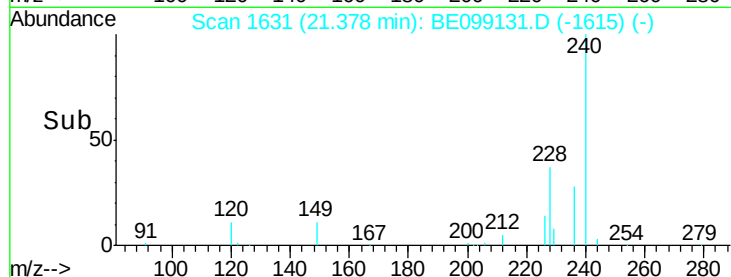
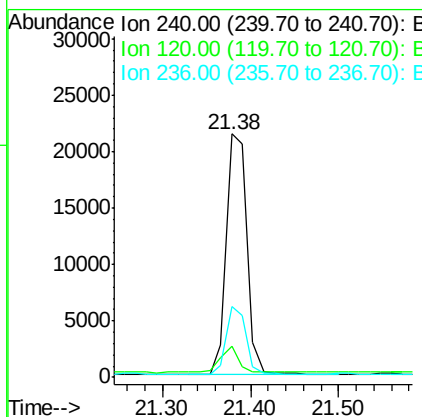
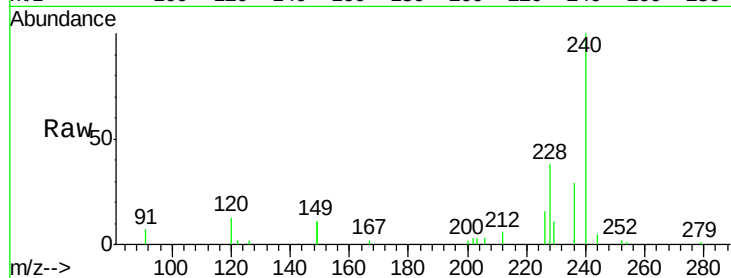
ClientSampleId :

PST-025-SW081-031319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.0	5.0	7.4#		
236	29.2	22.7	34.1		

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#28

Pyrene

Concen: 0.470 ng

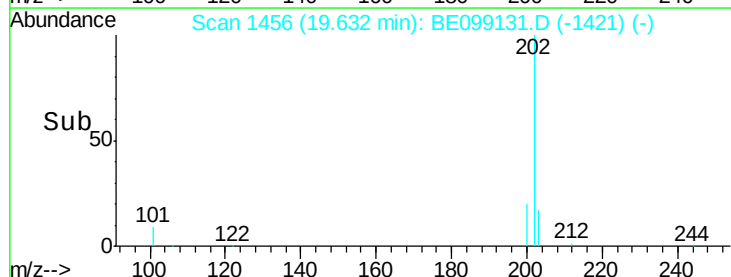
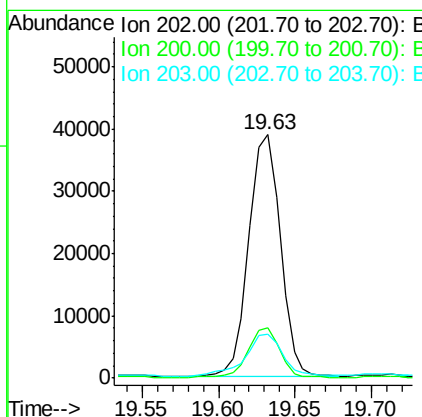
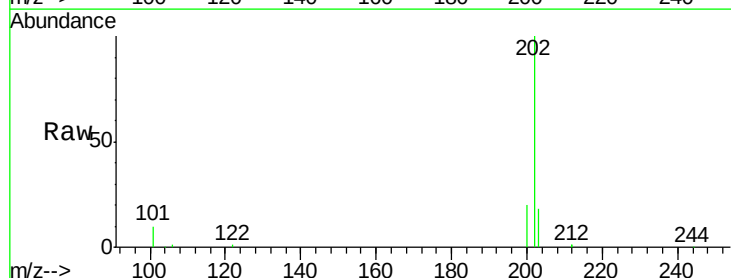
RT: 19.63 min Scan# 1456

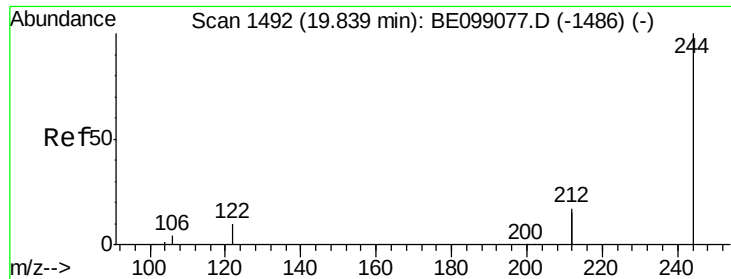
Delta R.T. 0.00 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.0	17.0	25.6		
203	20.3	14.2	21.2		





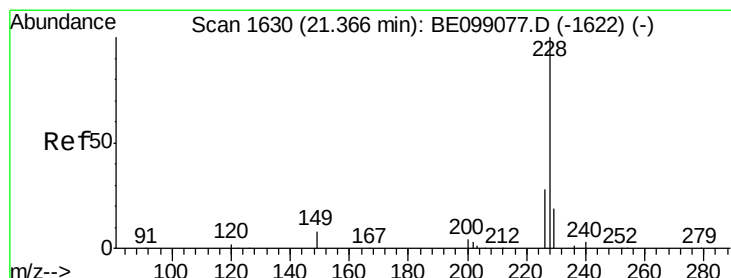
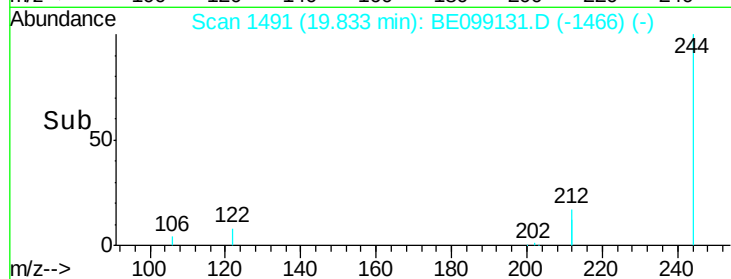
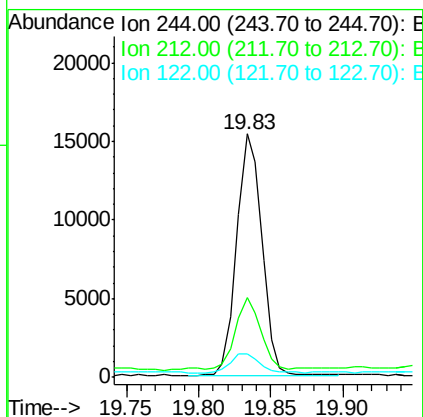
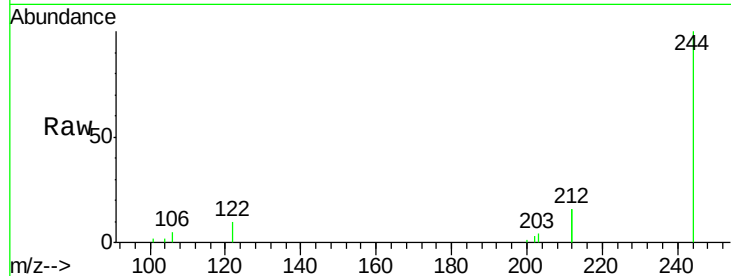
#29
 Terphenyl-d14
 Concen: 0.252 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE099131.D
 Acq: 24 Mar 2019 3:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
244	100		
212	32.8	29.4	44.2
122	9.9	7.1	10.7

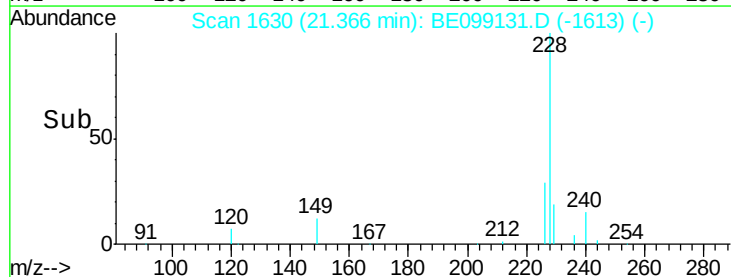
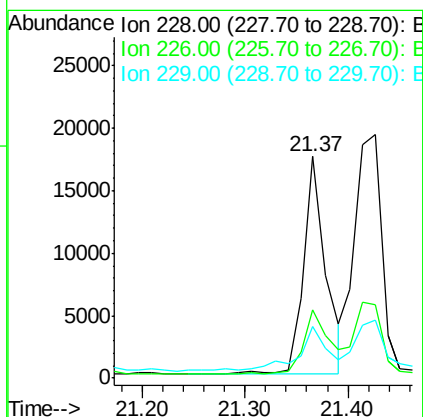
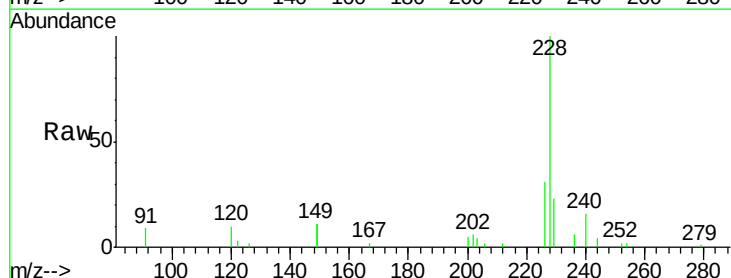
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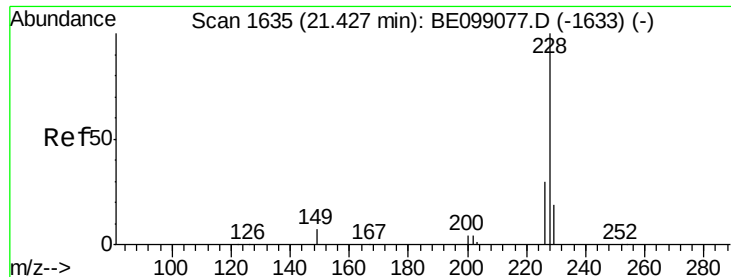
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#30
 Benzo(a)anthracene
 Concen: 0.214 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099131.D
 Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.0	34.4
229	23.3	16.5	24.7





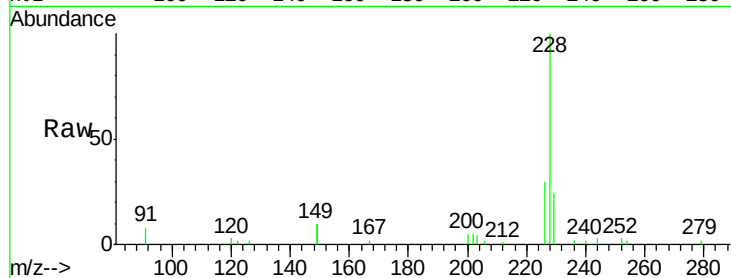
#31
Chrysene
Concen: 0.280 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	24.1	16.1	24.1

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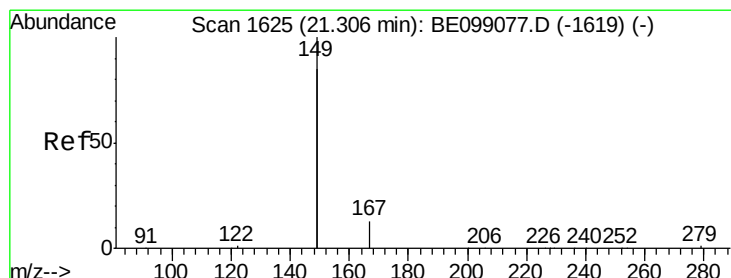
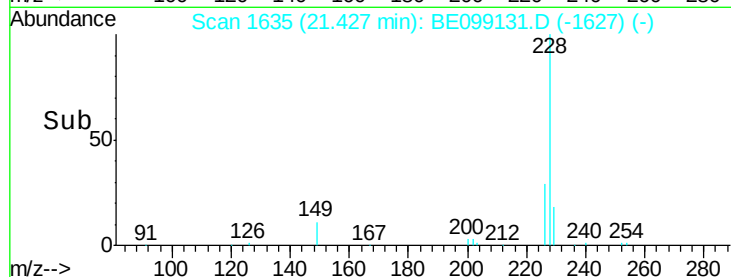
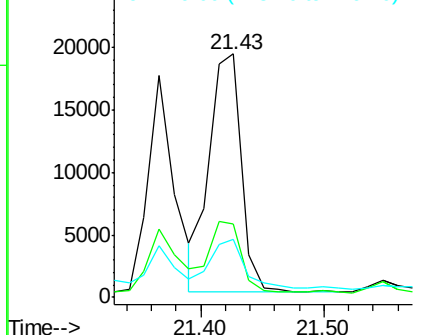


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.201 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

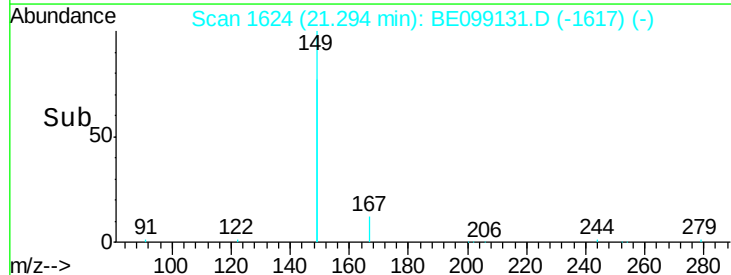
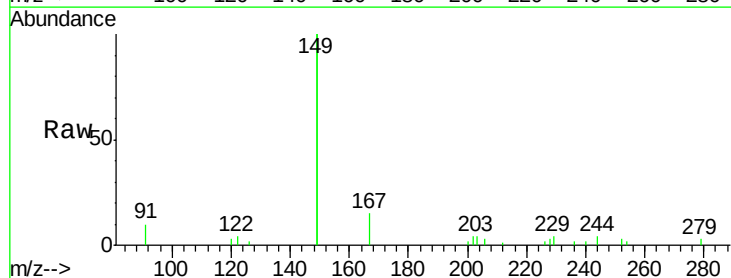
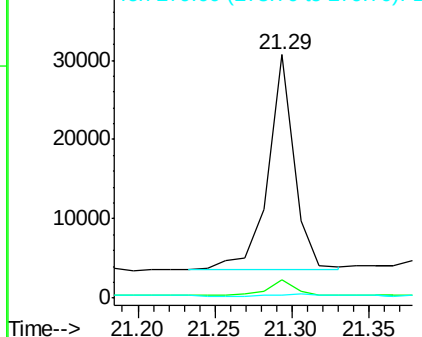
Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.4	8.0
279	1.7	1.0	1.4#

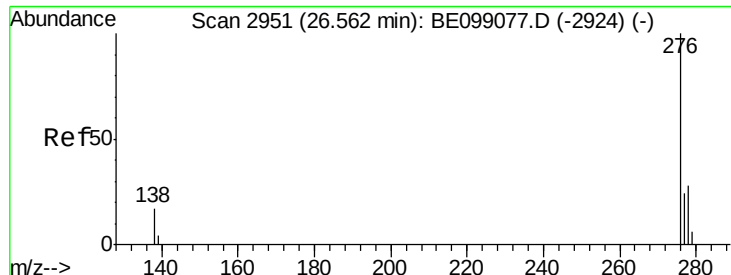
Abundance

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





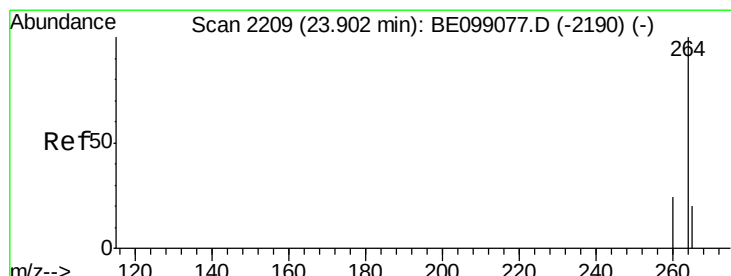
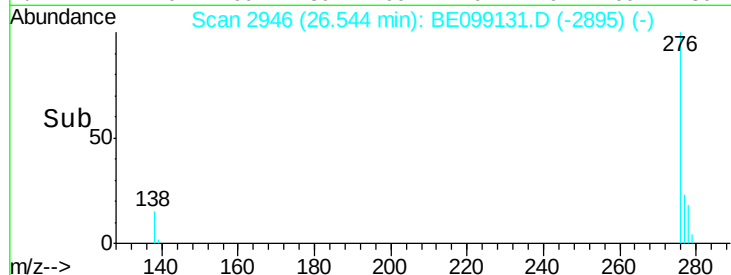
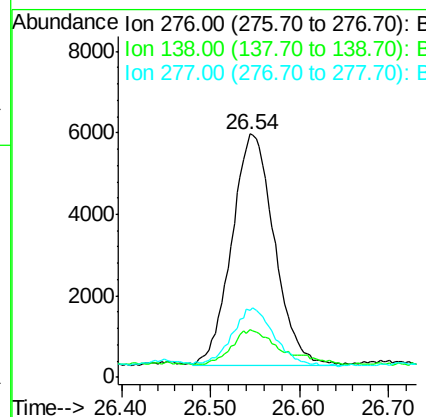
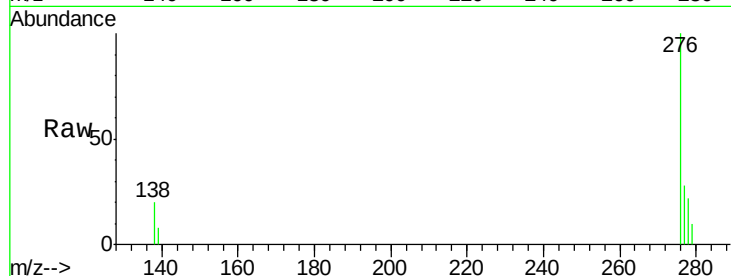
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.142 ng
RT: 26.54 min Scan# 2946
Delta R.T. -0.02 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	14.2	13.8	20.8
277	24.9	19.5	29.3

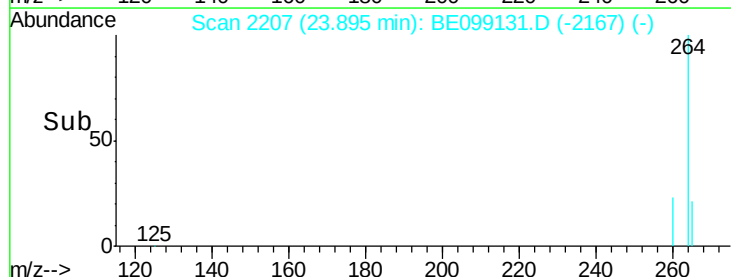
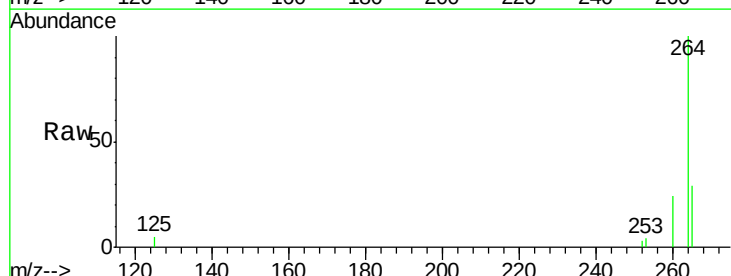
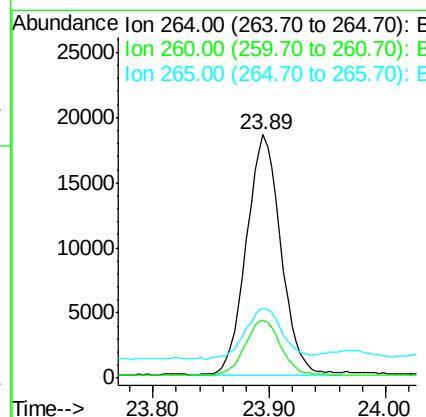
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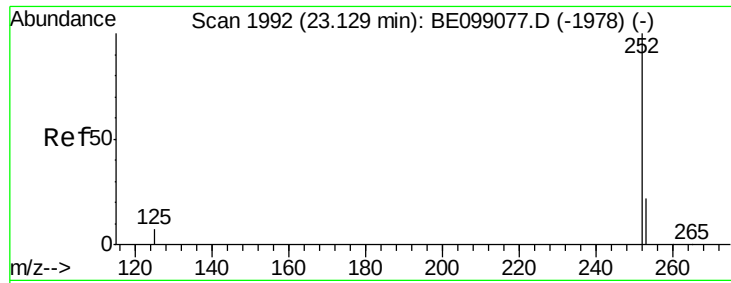
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	21.2	31.8
265	28.5	24.6	36.8





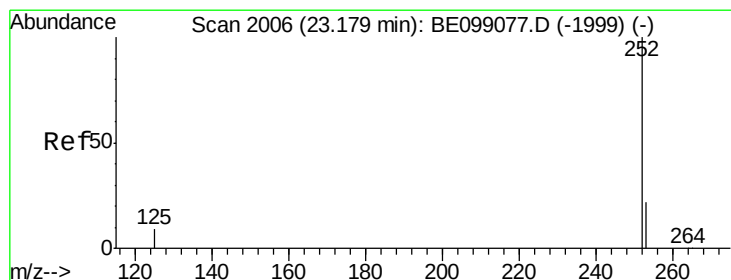
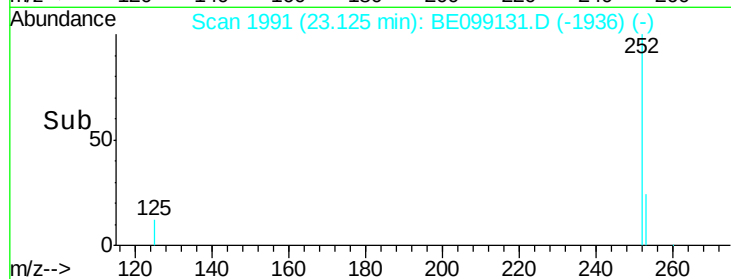
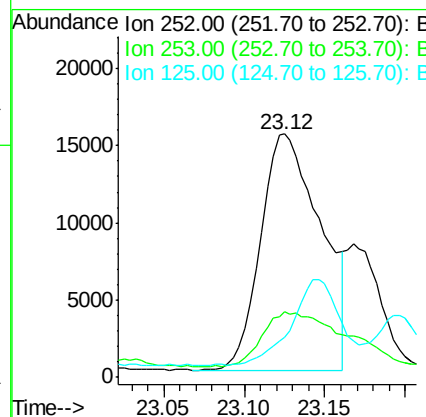
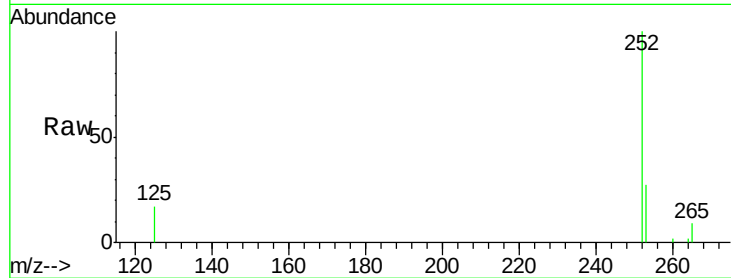
#35
Benzo(b)fluoranthene
Concen: 0.304 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.2
125	16.6	7.3	10.9#

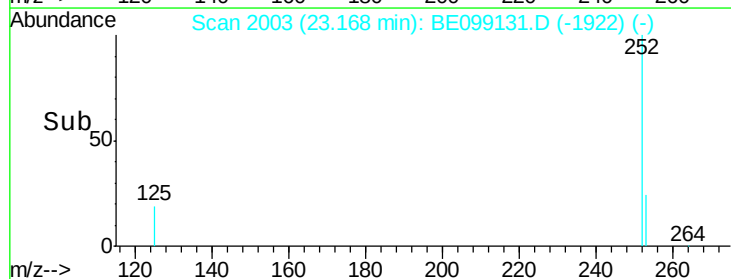
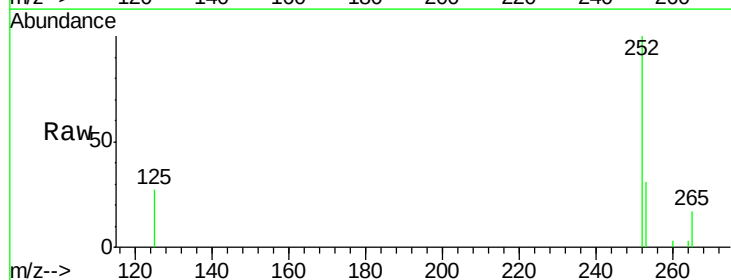
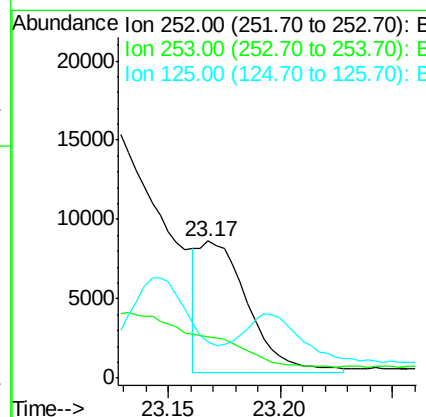
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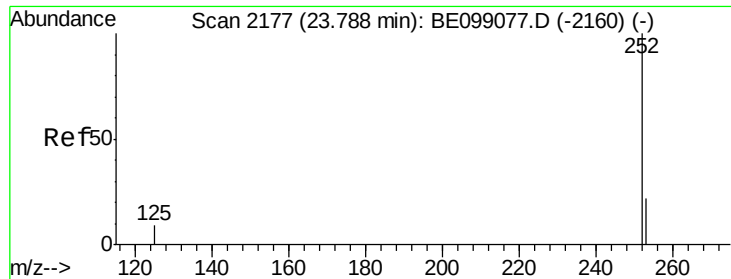
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#36
Benzo(k)fluoranthene
Concen: 0.098 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	19.3	28.9#
125	26.8	7.5	11.3#





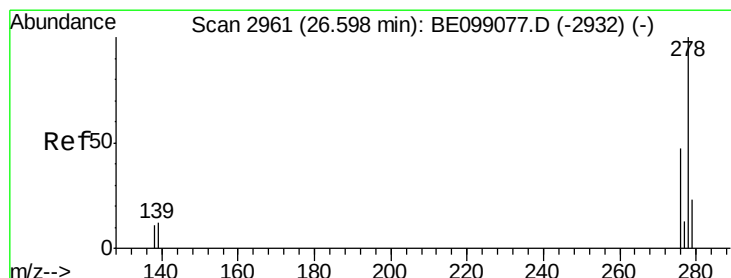
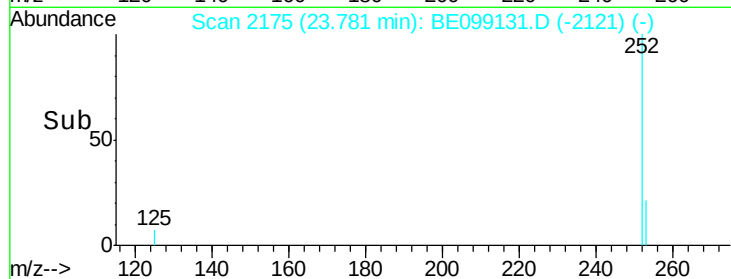
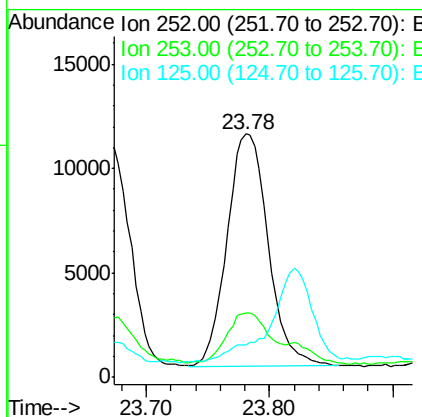
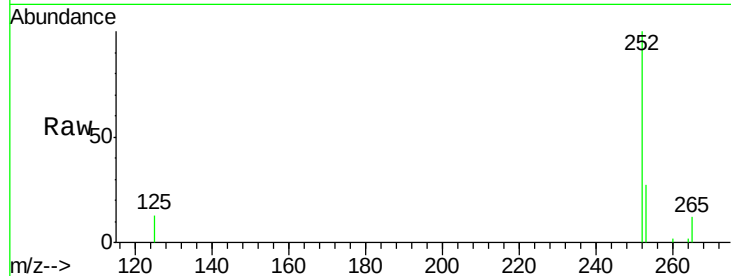
#37
Benzo(a)pyrene
Concen: 0.212 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Instrument :
BNA_E
ClientSampleId :
PST-025-SW081-031319

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.9	29.9
125	13.4	9.0	13.4

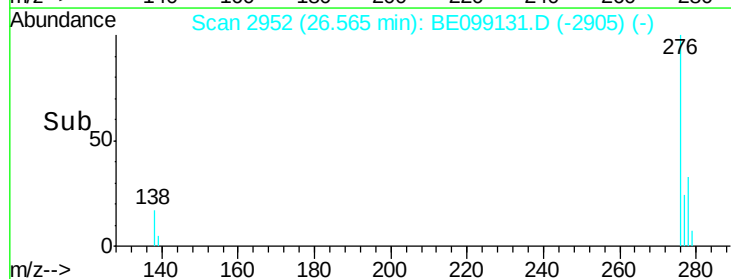
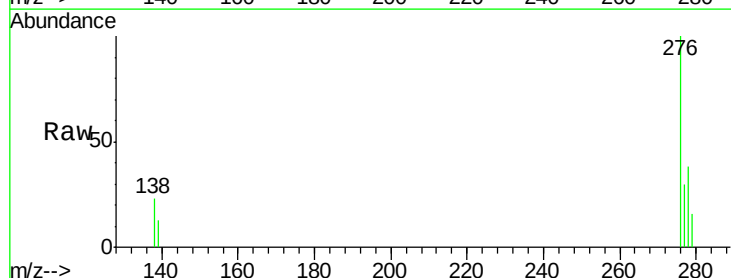
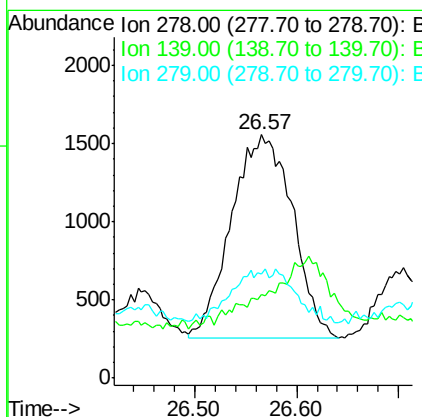
Manual Integrations
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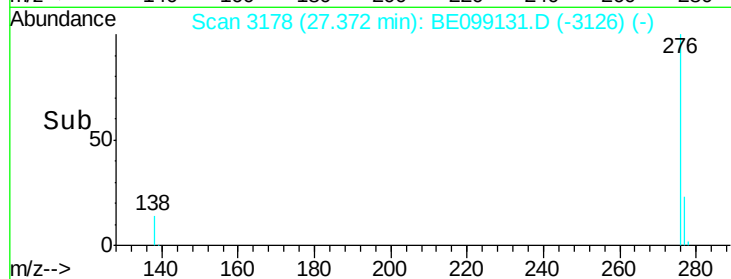
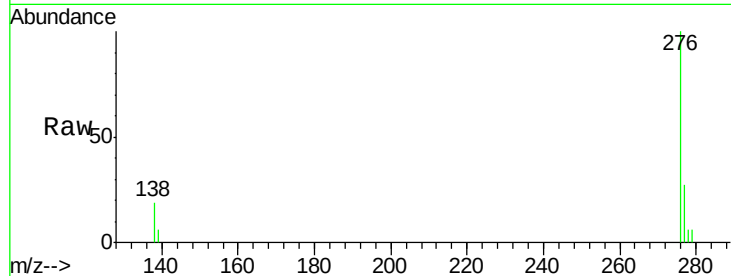
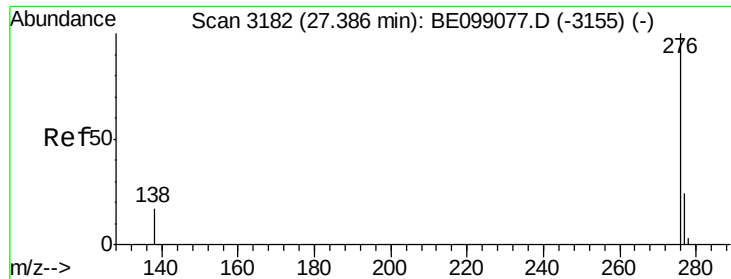
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 0.046 ng
RT: 26.57 min Scan# 2952
Delta R.T. -0.03 min
Lab File: BE099131.D
Acq: 24 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.2	11.8	17.6#
279	42.9	21.1	31.7#





#39

Benzo(a,h,i)perylene

Concen: 0.168 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099131.D

Acq: 24 Mar 2019 3:45

Instrument :

BNA_E

ClientSampleId :

PST-025-SW081-031319

Tot Ion:	276	Resp:	20386
Ion Ratio	Lower	Upper	
276	100		
277	27.4	20.4	30.6
138	19.2	13.6	20.4

Manual Integrations
APPROVED

Sohil
3/25/2019 12:37:33 PM

