

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099132.D
 Acq On : 24 Mar 2019 4:20
 Operator : JU/SJ
 Sample : K1948-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

Manual Integrations
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 3/25/2019 12:37:36 PM

Quant Time: Mar 24 23:51:13 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	3480	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14044	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9600	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28149	0.40	ng	0.00
27) Chrysene-d12	21.39	240	36953	0.40	ng	0.00
34) Perylene-d12	23.90	264	40514	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	3959	0.38	ng	0.00
5) Phenol-d6	7.00	99	5769	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	4497	0.73	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8723	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1830	0.65	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12177	0.32	ng	-0.01
25) Fluoranthene-d10	19.24	212	121693	0.32	ng	0.00
29) Terphenyl-d14	19.83	244	18871	0.24	ng	0.00

Target Compounds				Qvalue		
23) Phenanthrene	17.25	178	20193	0.242	ng	99
24) Anthracene	17.35	178	1630	0.021	ng	94
26) Fluoranthene	19.27	202	108294	0.921	ng	100
28) Pyrene	19.63	202	90872	0.725	ng	# 95
30) Benzo(a)anthracene	21.37	228	45130	0.347	ng	99
31) Chrysene	21.43	228	63510	0.488	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	49999	0.296	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	45841	0.328	ng	98
35) Benzo(b)fluoranthene	23.12	252	97130	0.693	ng	98
36) Benzo(k)fluoranthene	23.17	252	29914m	0.218	ng	
37) Benzo(a)pyrene	23.78	252	53913	0.416	ng	97
38) Dibenzo(a,h)anthracene	26.57	278	9922	0.079	ng	# 88
39) Benzo(a,h,i)perylene	27.37	276	47643	0.368	ng	99

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

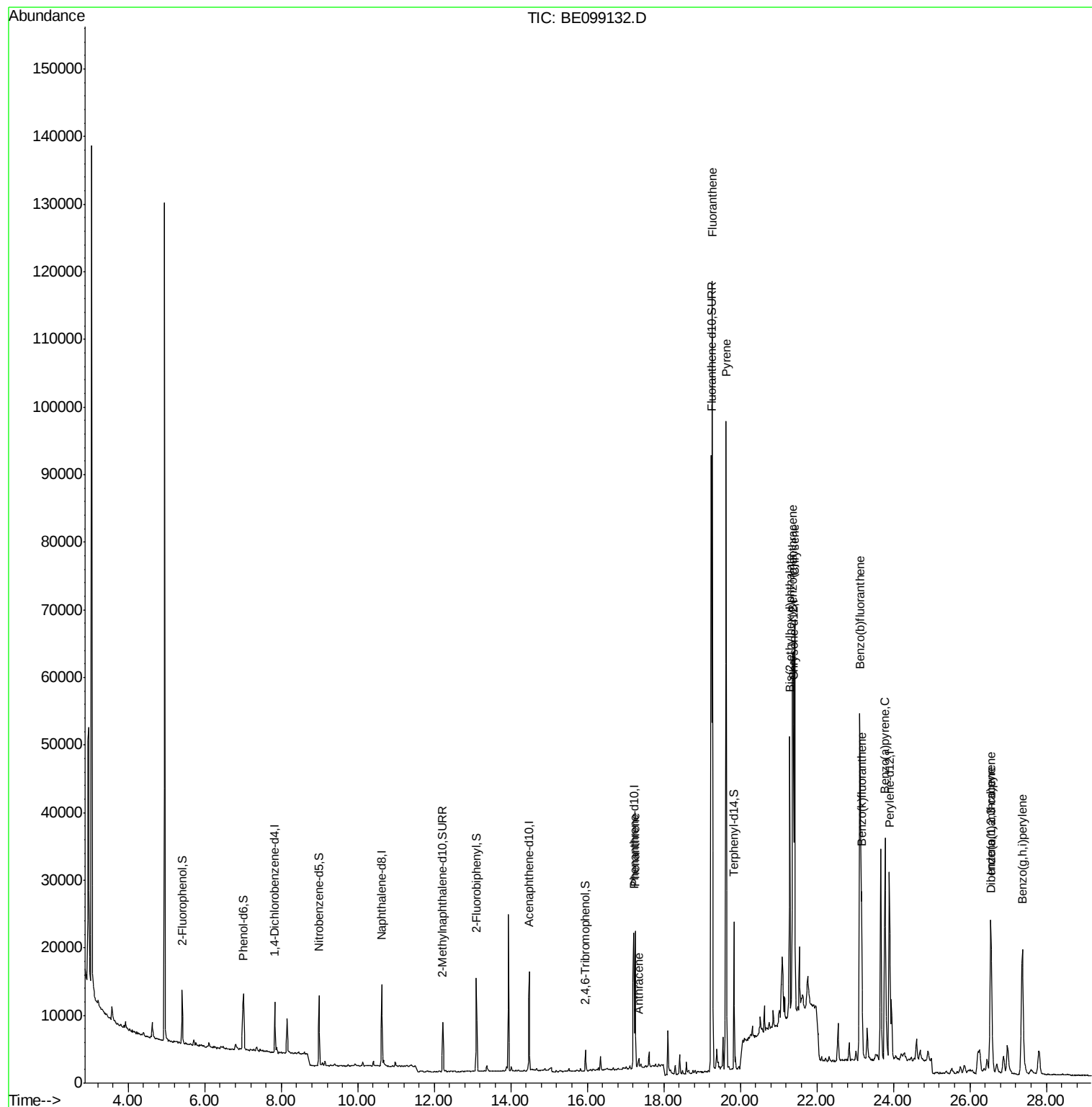
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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#1

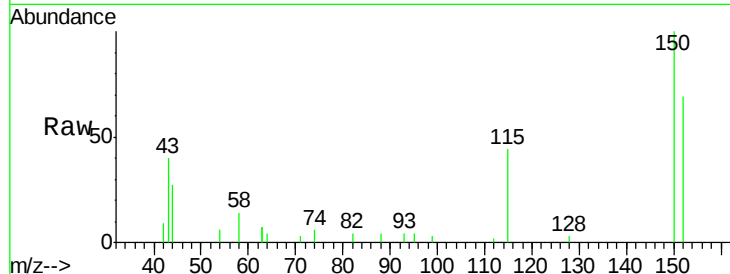
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

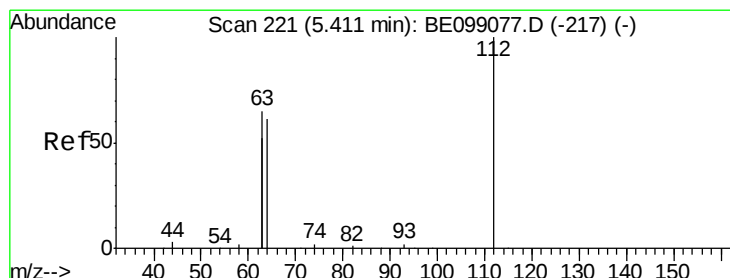
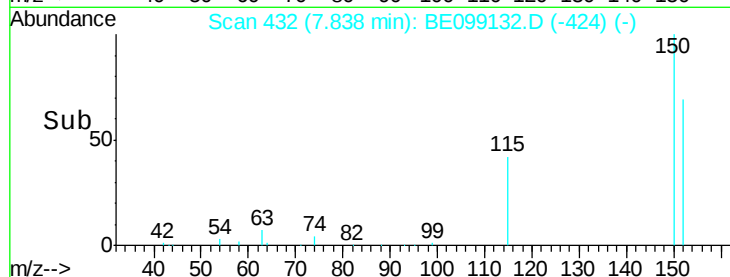
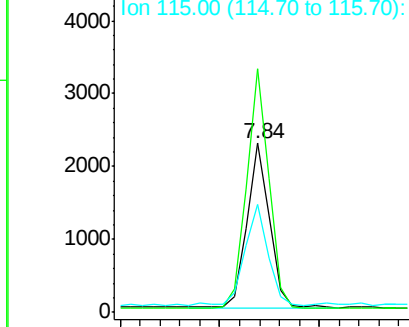
Tot Ion	Ratio	Lower	Upper
152	100		
150	144.0	122.5	183.7
115	63.8	57.4	86.2

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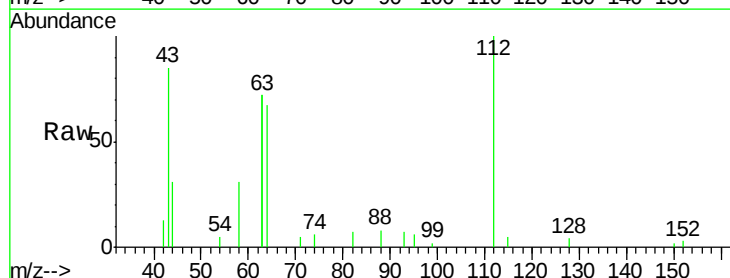
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



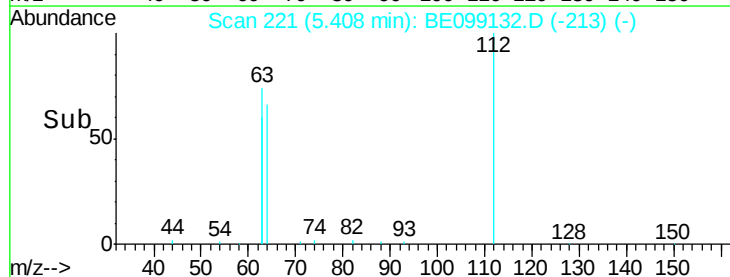
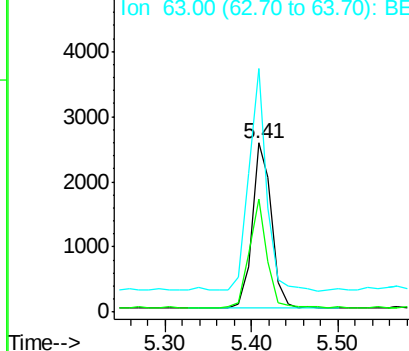
#4

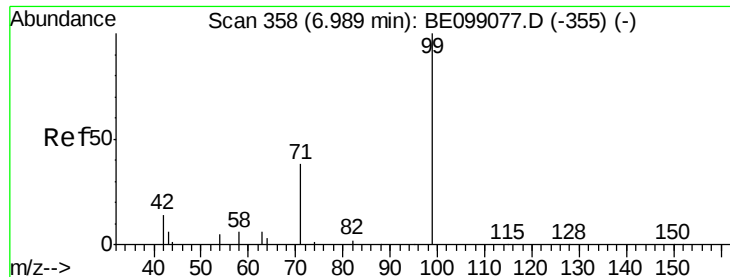
2-Fluorophenol
Concen: 0.382 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	57.9	86.9
63	123.6	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: 0.387 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

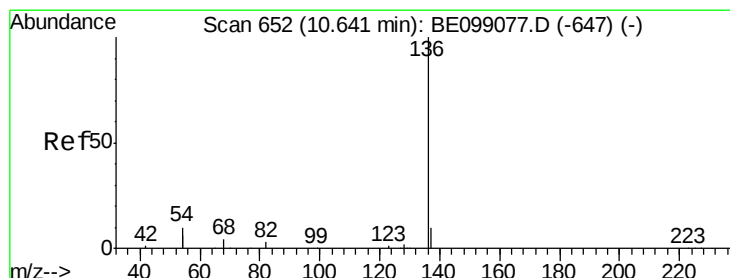
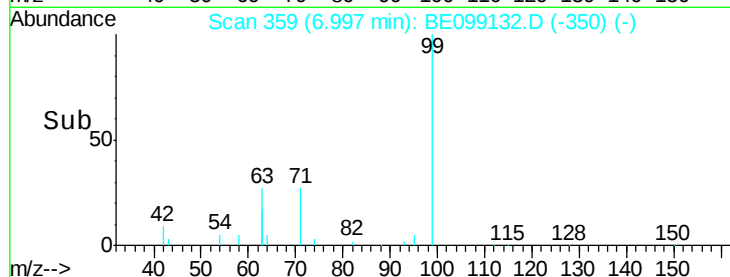
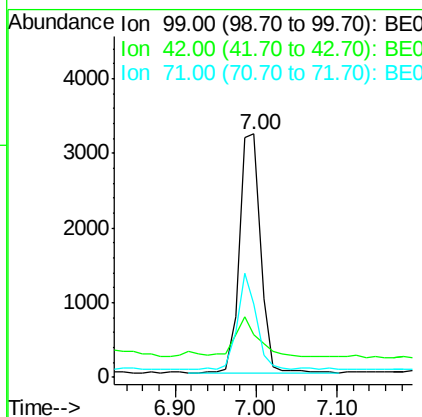
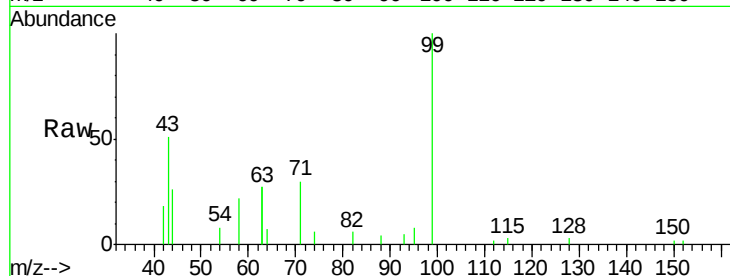
ClientSampleId :

PST-025-SW079-031319

Tot Ion:	99	Resp:	5769
Ion	Ratio	Lower	Upper
99	100		
42	18.8	24.2	36.2#
71	36.4	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

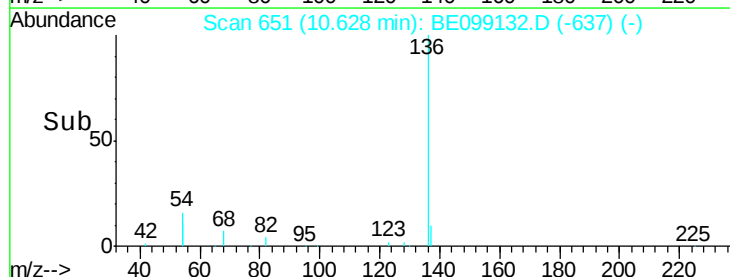
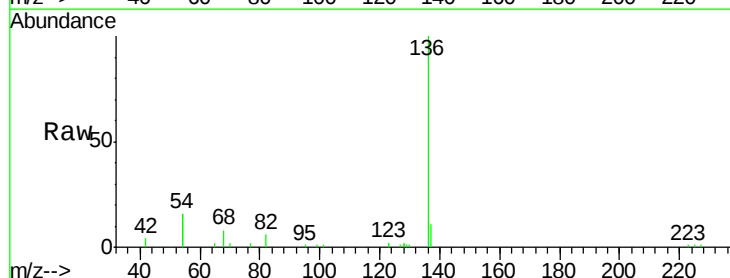
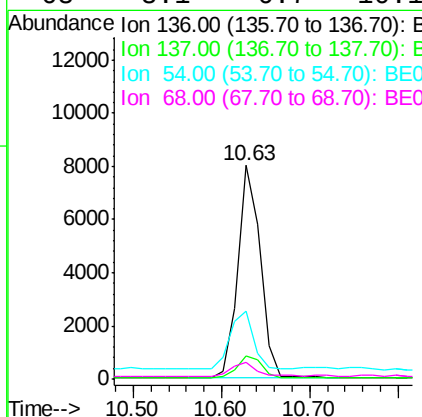
RT: 10.63 min Scan# 651

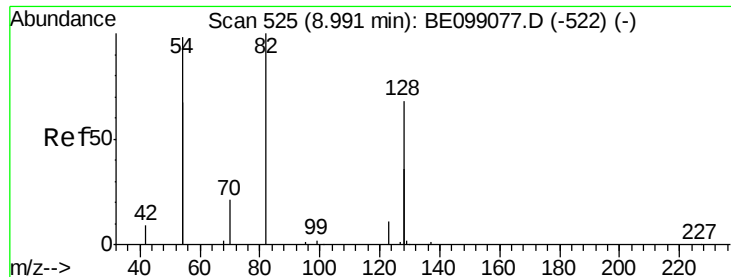
Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Tgt Ion:	136	Resp:	14044
Ion	Ratio	Lower	Upper
136	100		
137	11.1	11.4	17.0#
54	31.7	39.3	58.9#
68	8.1	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.732 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

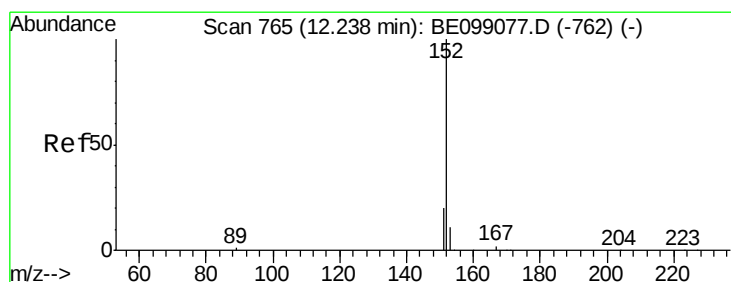
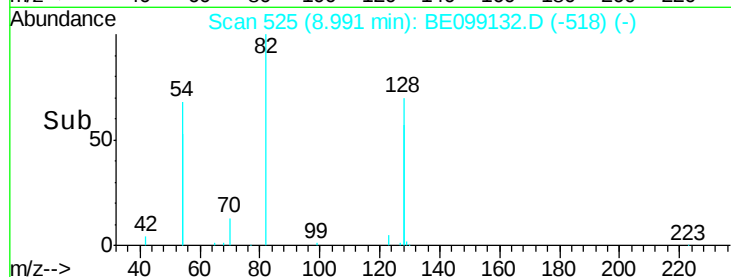
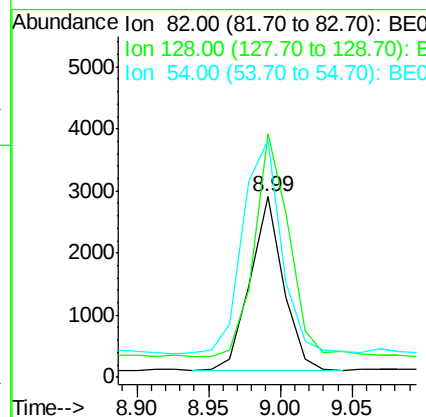
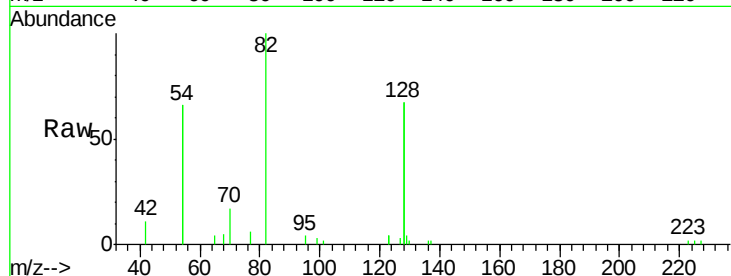
ClientSampleId :

PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
82	100		
128	134.8	123.8	185.8
54	131.0	203.4	305.2

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#11

2-Methylnaphthalene-d10

Concen: 0.345 ng

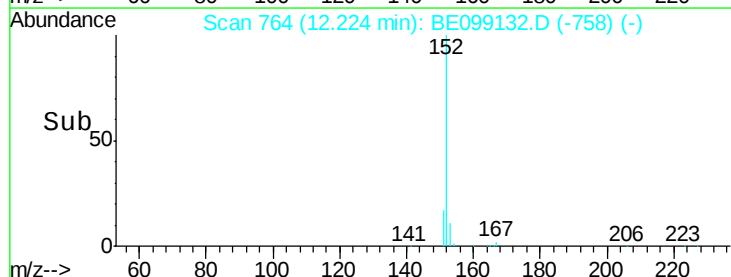
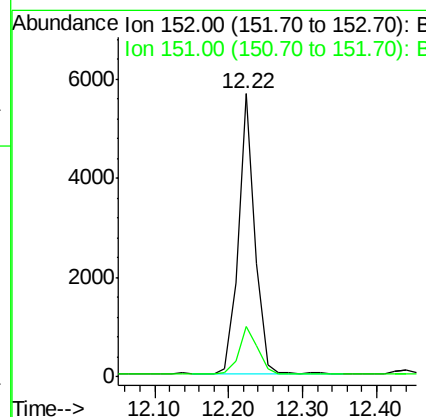
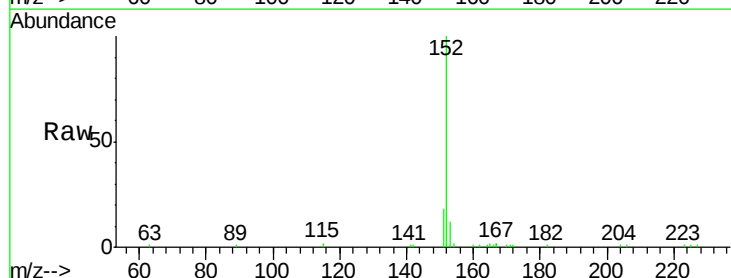
RT: 12.22 min Scan# 764

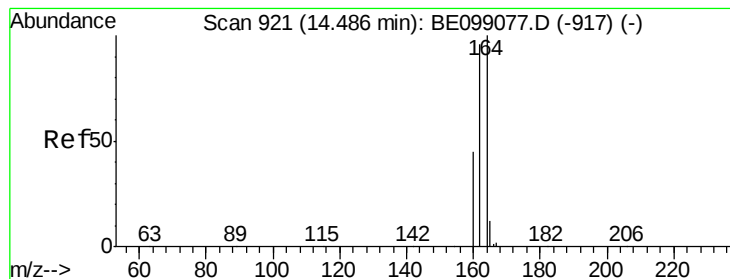
Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	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: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

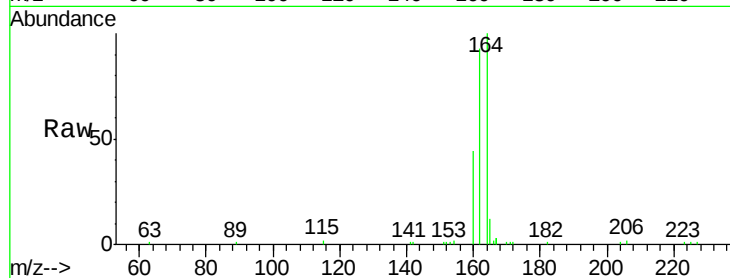
ClientSampleId :

PST-025-SW079-031319

Tot Ion:	164	Resp:	9600
Ion Ratio	Lower	Upper	
164	100		
162	93.3	80.2	120.2
160	43.9	37.8	56.8

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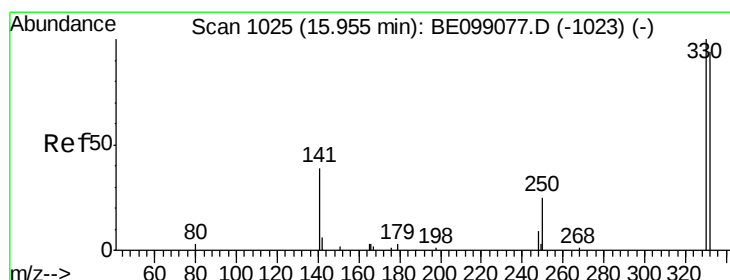
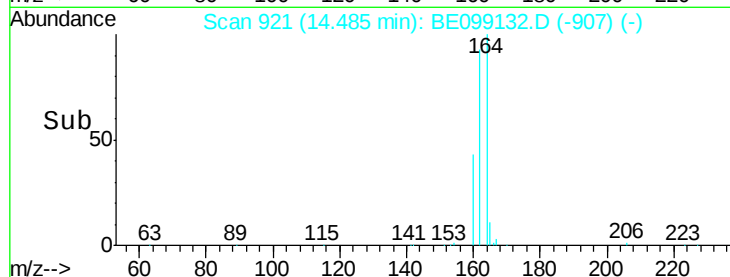
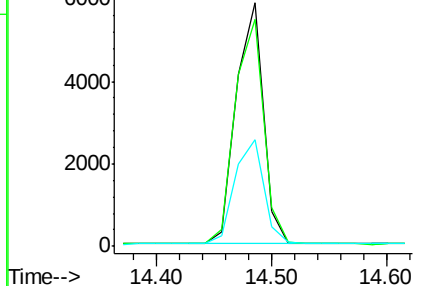
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.648 ng

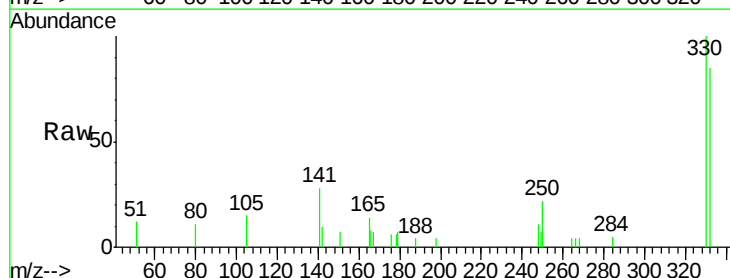
RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

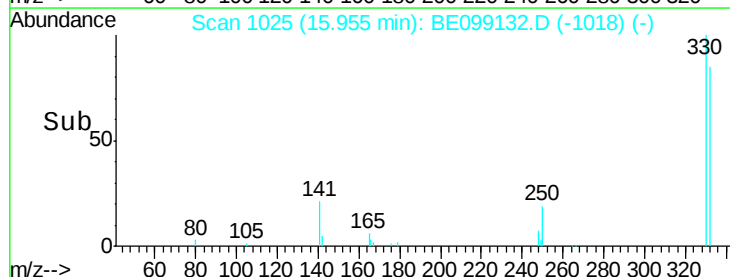
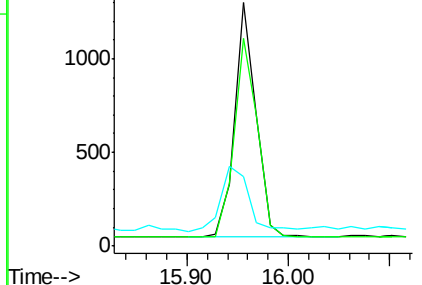
Tgt Ion:	330	Resp:	1830
Ion Ratio	Lower	Upper	
330	100		
332	92.0	77.6	116.4
141	36.5	31.0	46.4

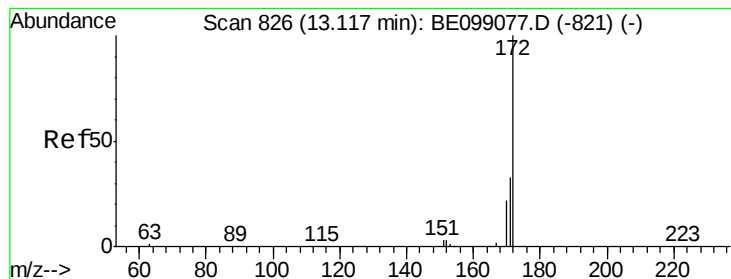


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





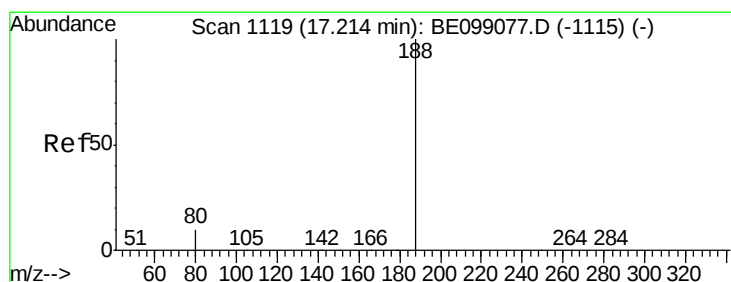
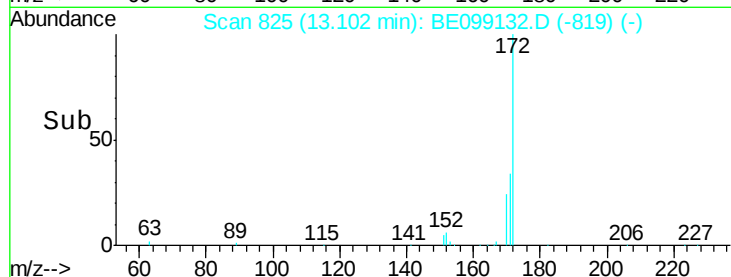
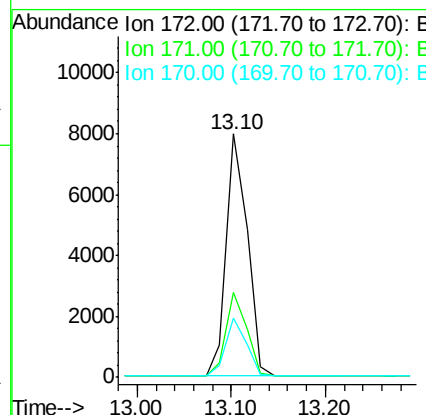
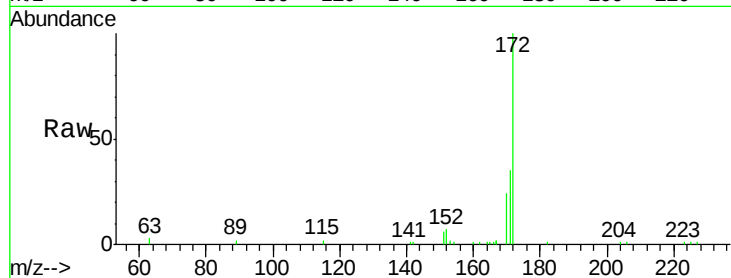
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.0	42.0
170	24.5	17.7	26.5

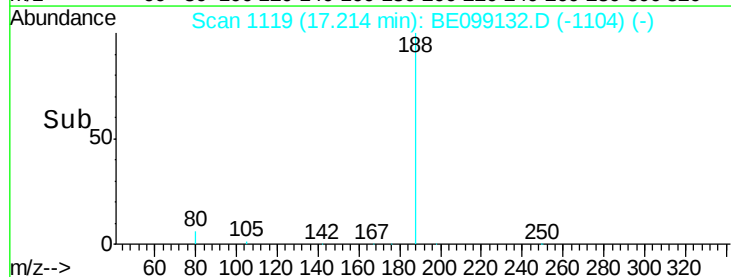
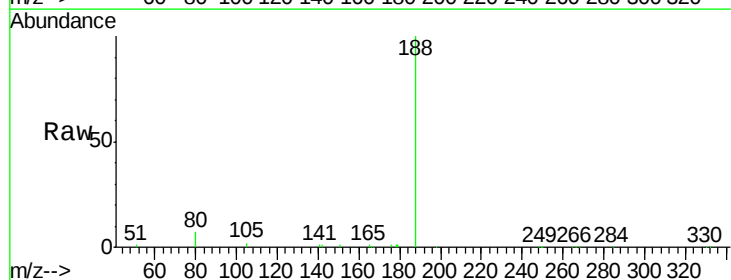
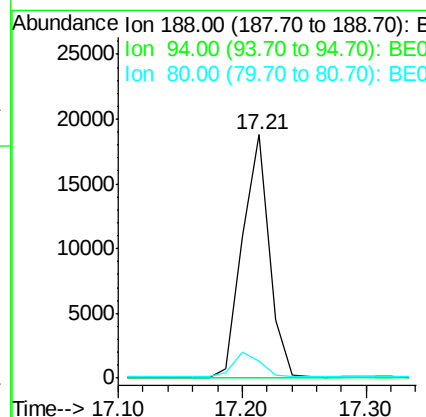
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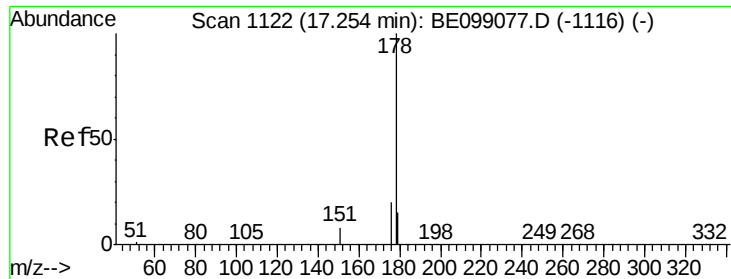
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	6.3	9.5





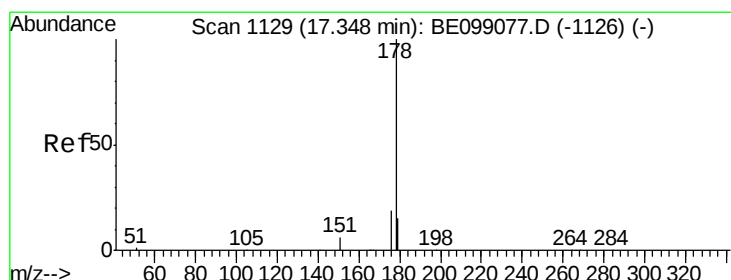
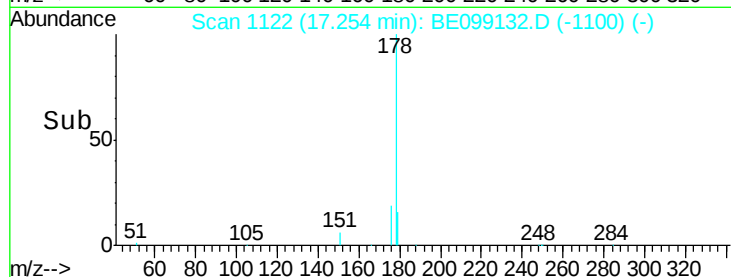
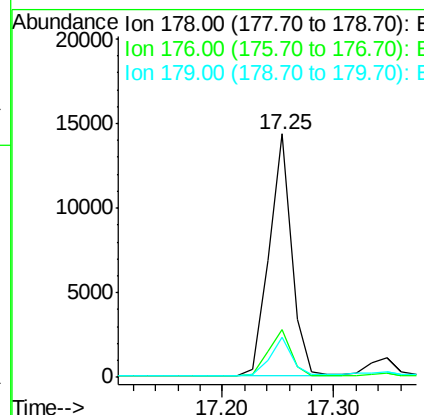
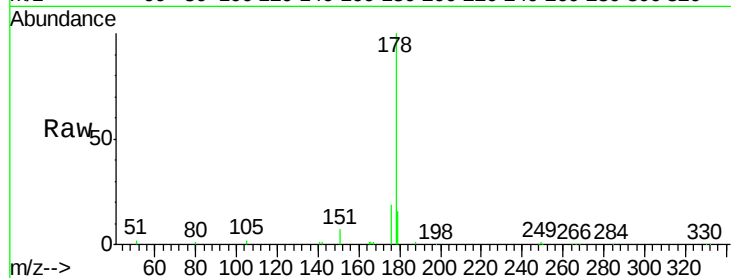
#23
Phenanthrene
Concen: 0.242 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.6	12.1	18.1

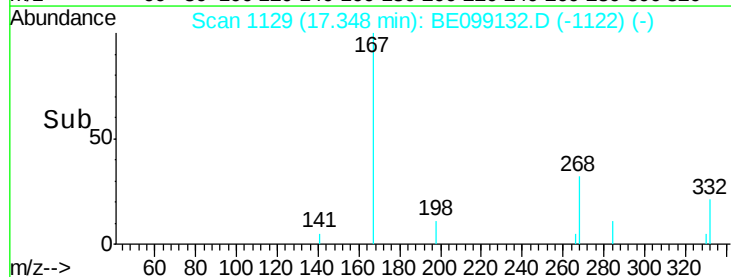
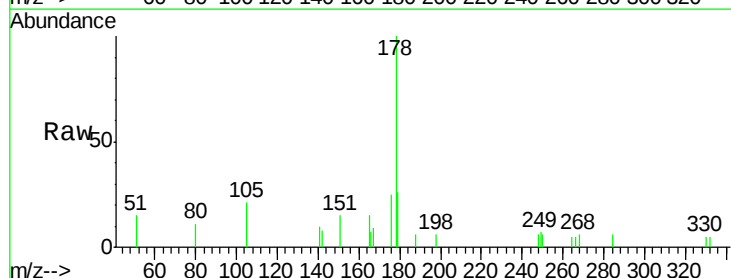
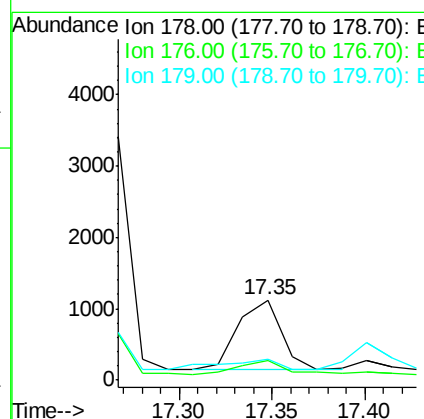
Manual Integrations
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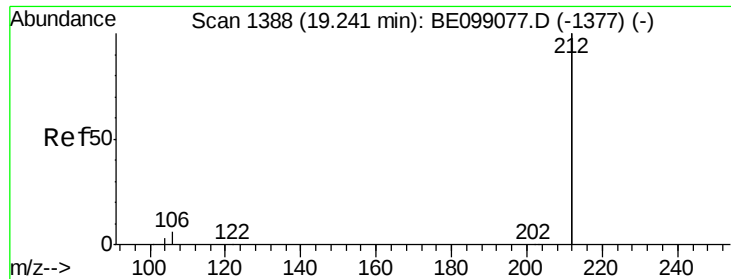
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#24
Anthracene
Concen: 0.021 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.9	15.4	23.0
179	18.2	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.324 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

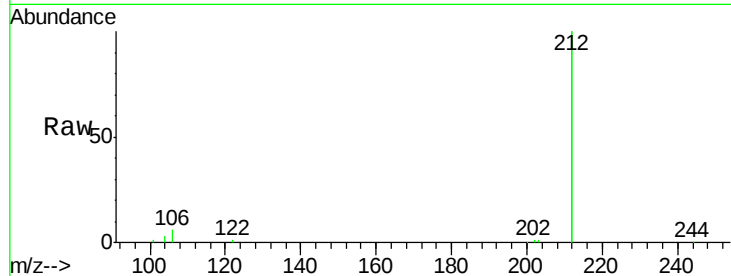
ClientSampleId :

PST-025-SW079-031319

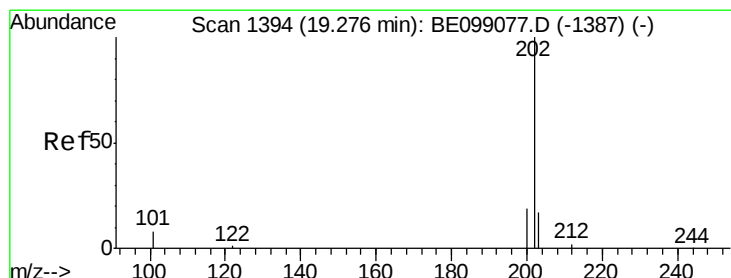
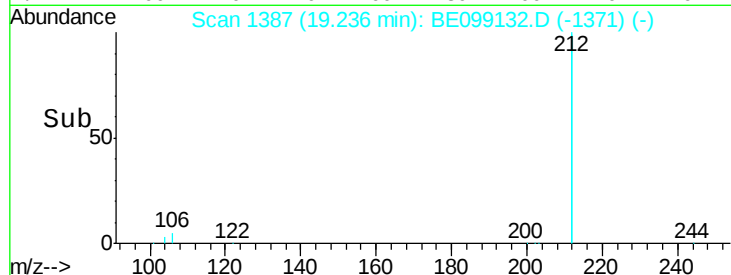
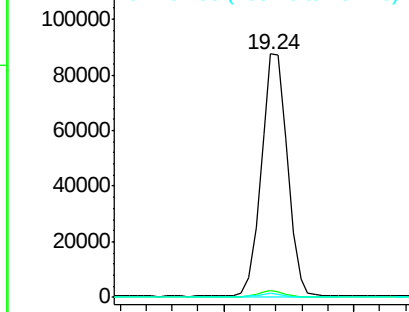
Tot Ion	Ion	Ratio	Resp	Lower	Upper
212	100		121693		
106	2.6	1.8	2.8		
104	1.5	1.0	1.6		

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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: 0.921 ng

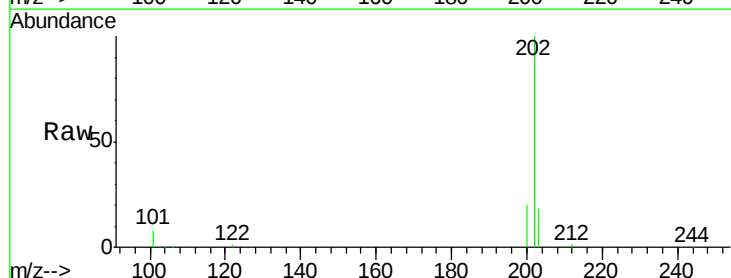
RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

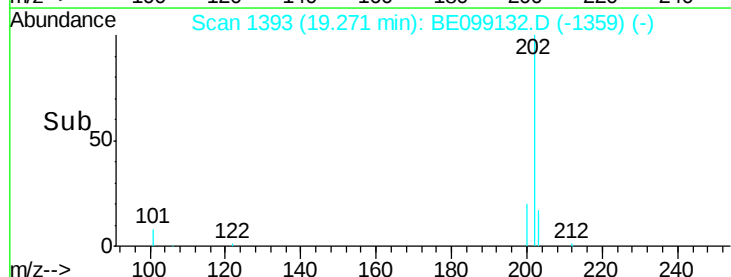
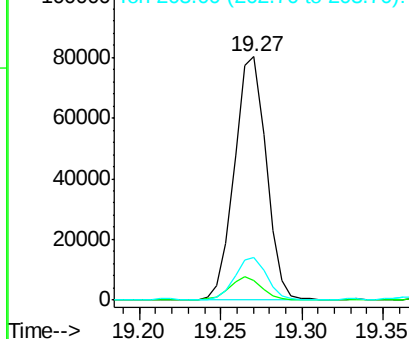
Lab File: BE099132.D

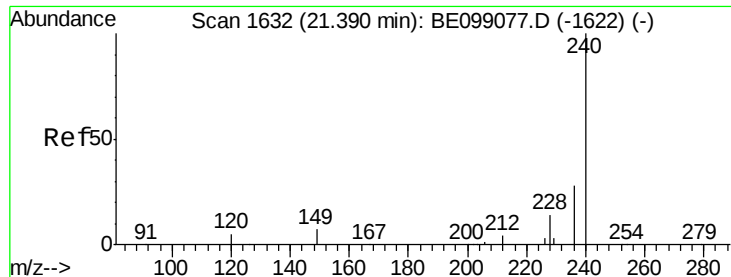
Acq: 24 Mar 2019 4:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		108294		
101	9.1	7.3	10.9		
203	17.1	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





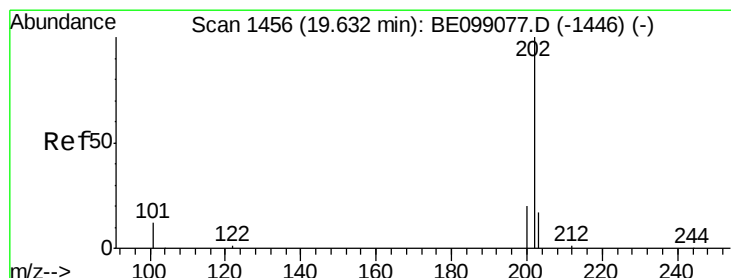
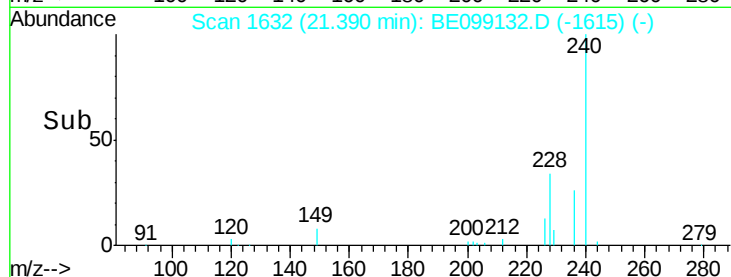
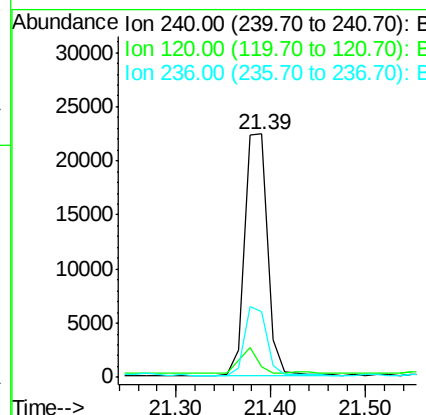
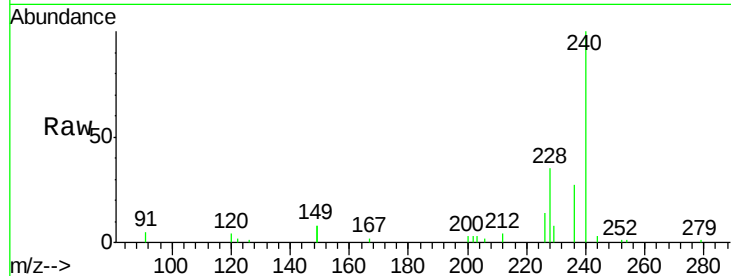
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.4	5.0	7.4#
236	26.9	22.7	34.1

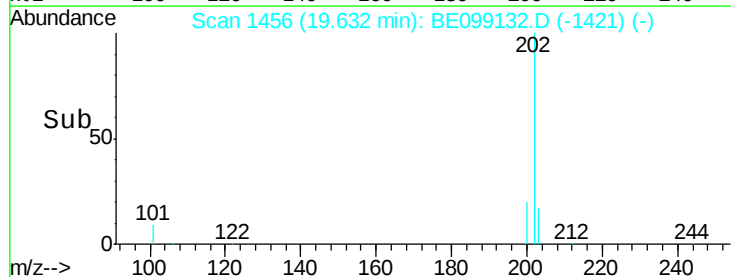
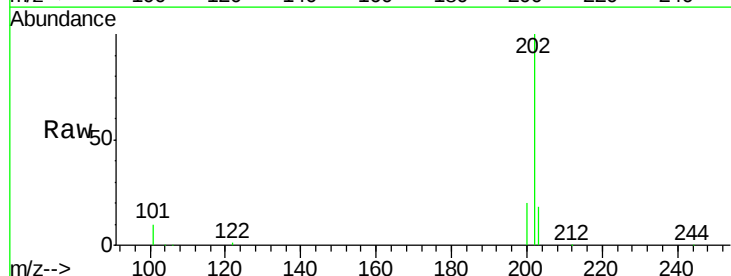
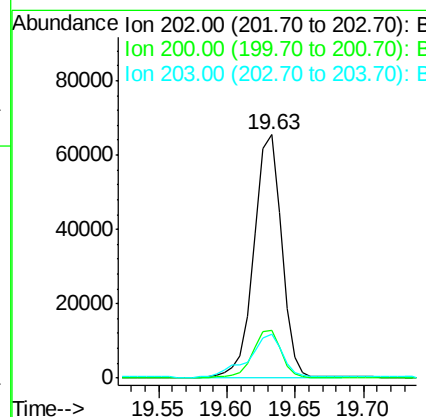
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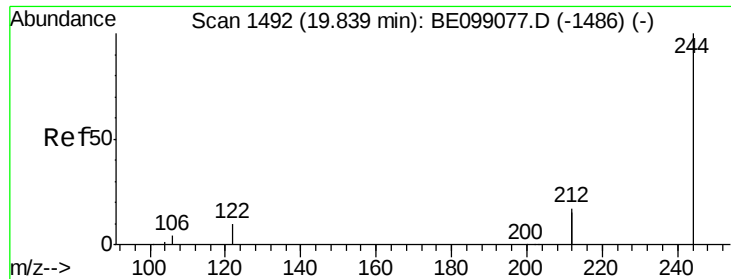
Sohil
 3/25/2019 12:37:36 PM



#28
 Pyrene
 Concen: 0.725 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	21.5	14.2	21.2#





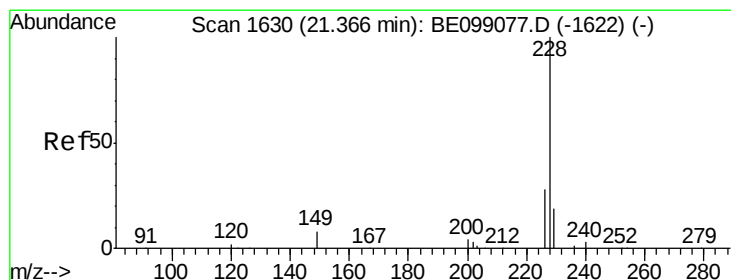
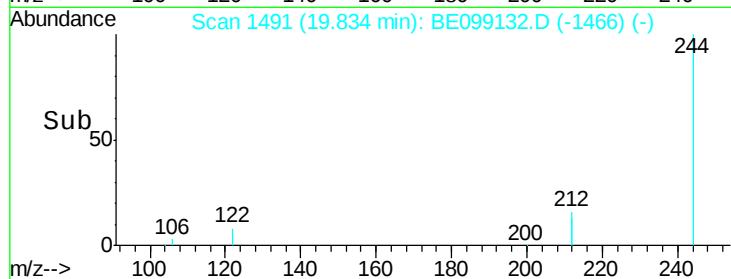
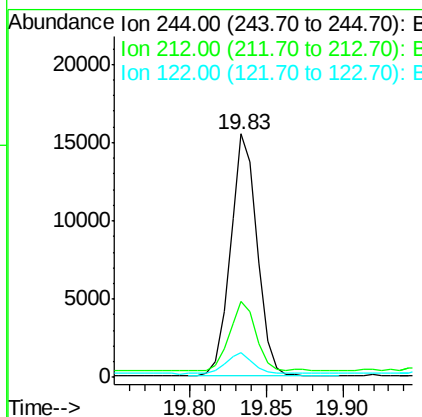
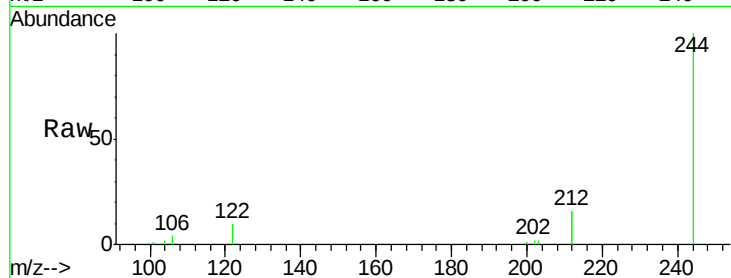
#29
 Terphenyl-d14
 Concen: 0.241 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
244	100		
212	31.4	29.4	44.2
122	9.9	7.1	10.7

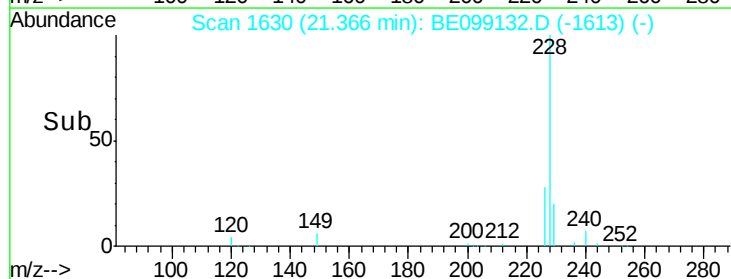
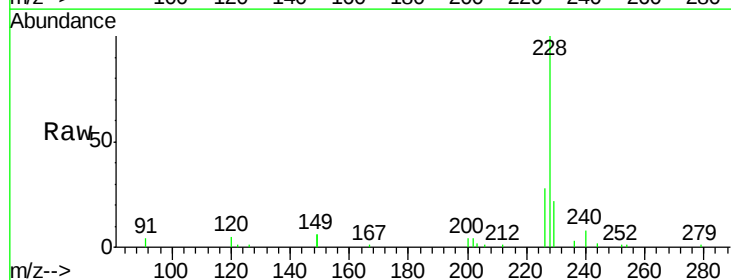
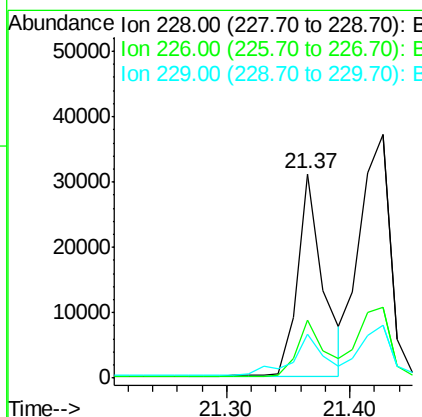
Manual Integrations
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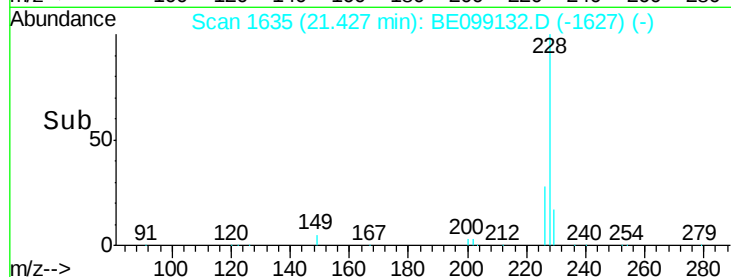
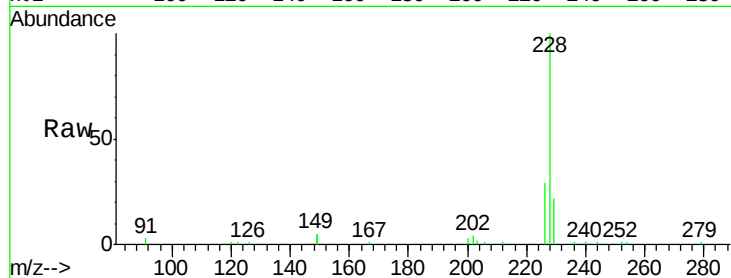
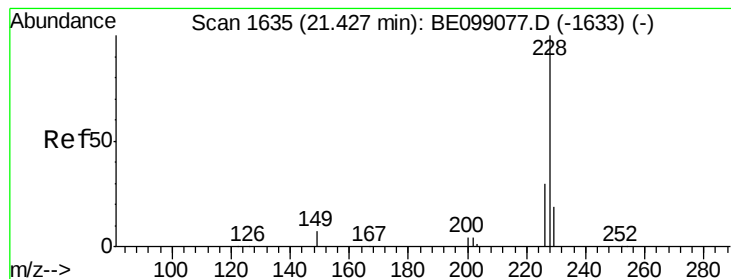
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#30
 Benzo(a)anthracene
 Concen: 0.347 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.4
229	21.5	16.5	24.7





#31

Chrysene

Concen: 0.488 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

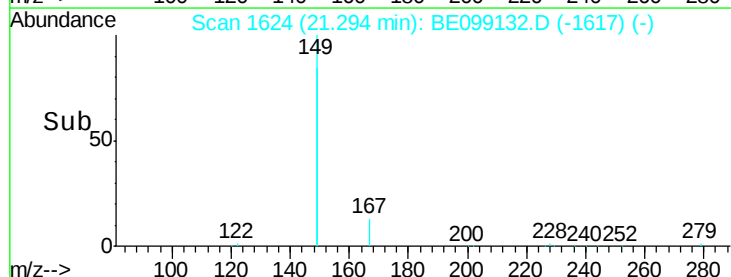
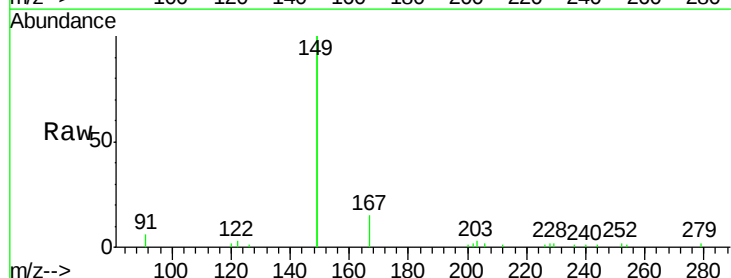
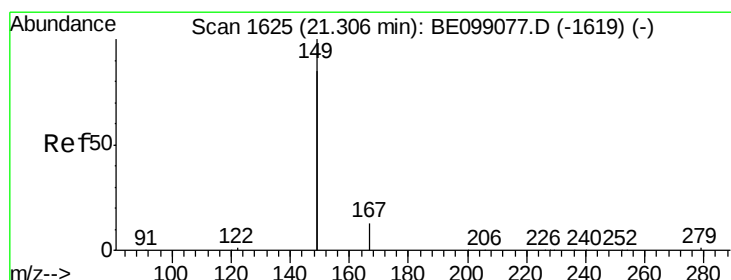
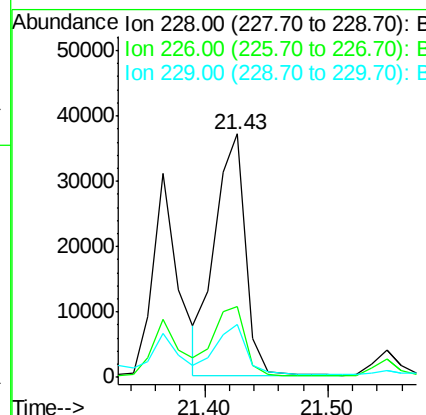
ClientSampleId :

PST-025-SW079-031319

Tot Ion:	228	Resp:	63510
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.7	35.5
229	22.0	16.1	24.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.296 ng

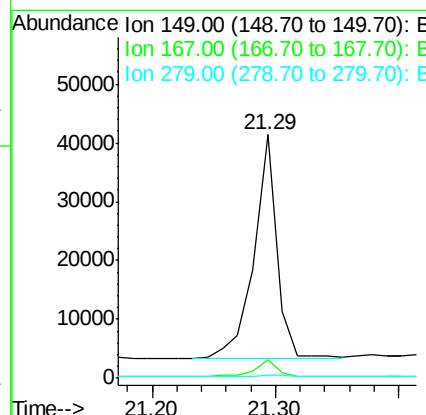
RT: 21.29 min Scan# 1624

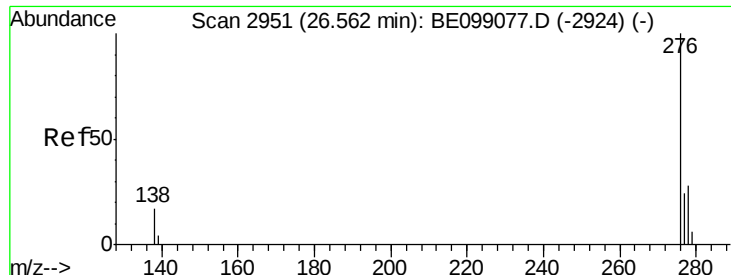
Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Tgt Ion:	149	Resp:	49999
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.4	8.0
279	1.2	1.0	1.4





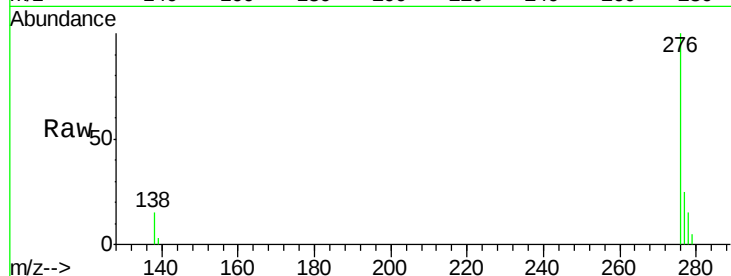
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.328 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.9	13.8	20.8
277	24.3	19.5	29.3

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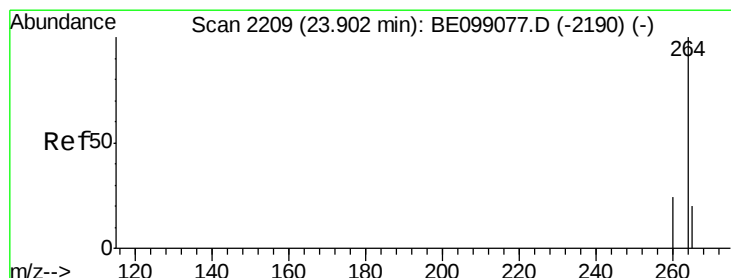
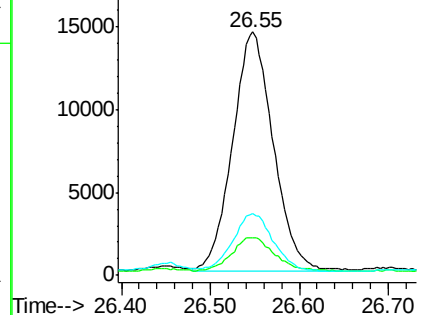
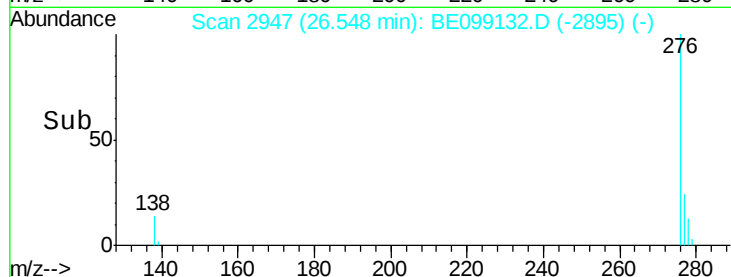


Abundance

Ion 276.00 (275.70 to 276.70): E

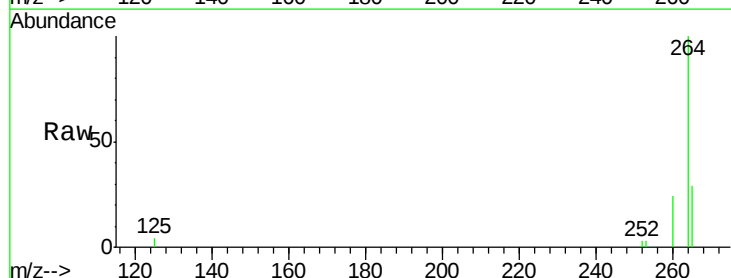
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	21.2	31.8
265	28.8	24.6	36.8

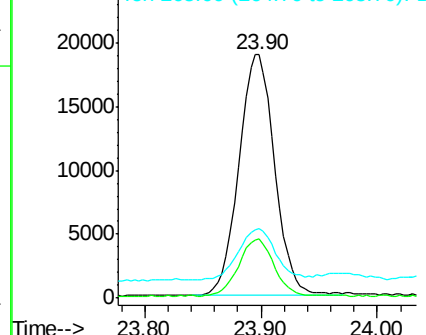
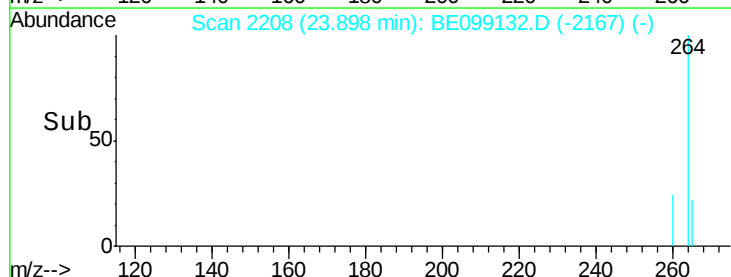


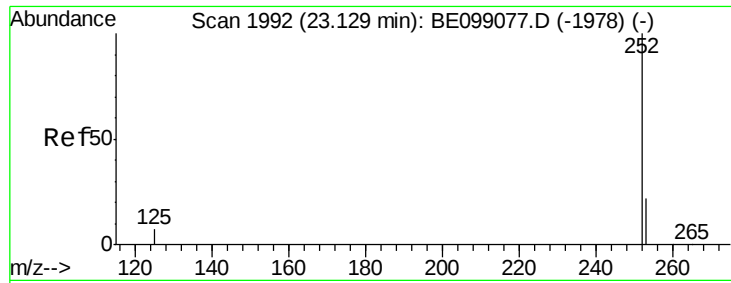
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





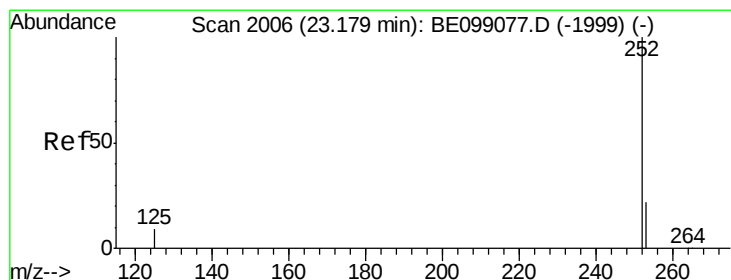
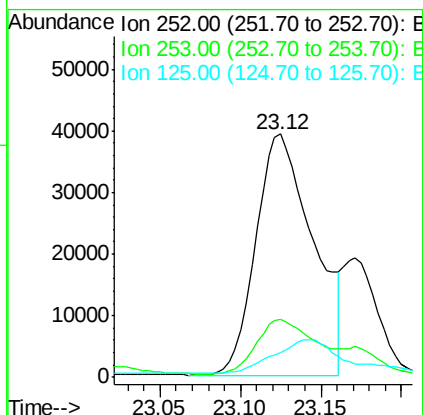
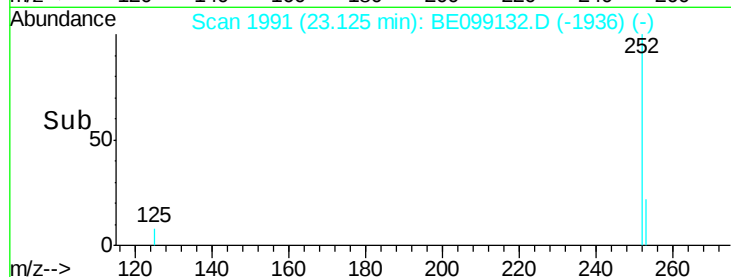
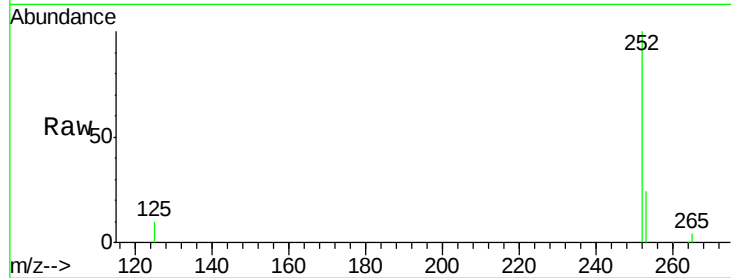
#35
Benzo(b)fluoranthene
Concen: 0.693 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	10.3	7.3	10.9

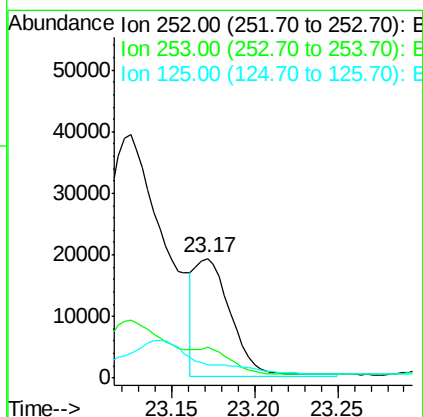
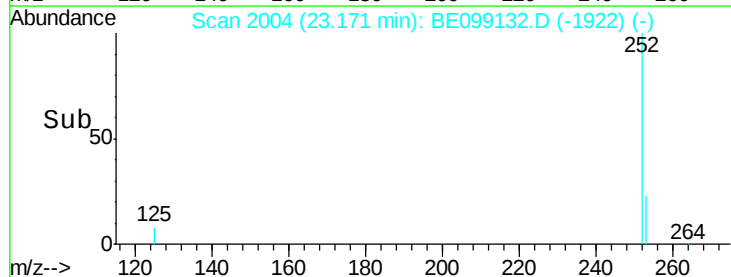
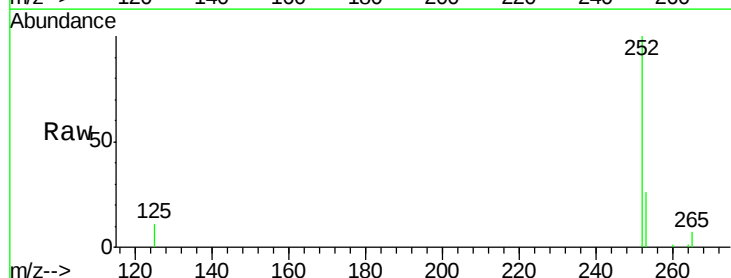
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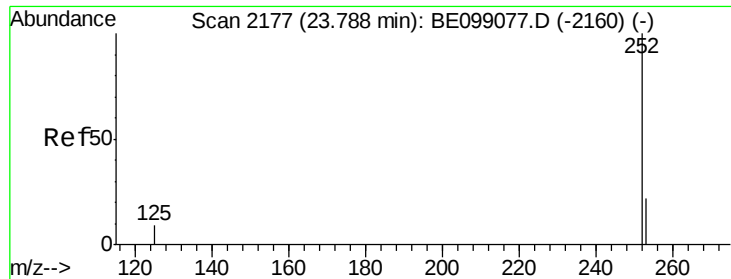
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#36
Benzo(k)fluoranthene
Concen: 0.218 ng m
RT: 23.17 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.3	28.9
125	11.4	7.5	11.3#





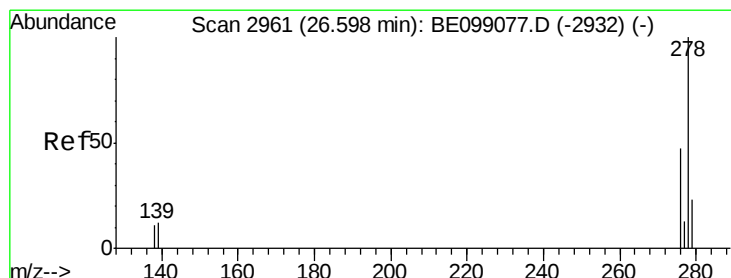
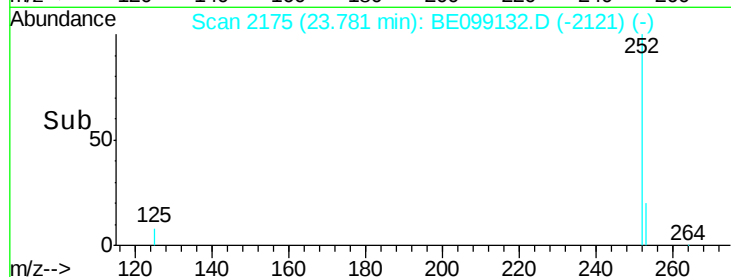
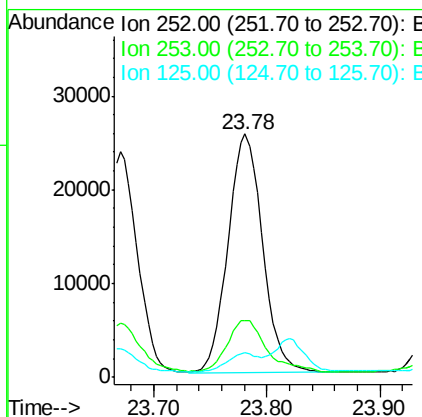
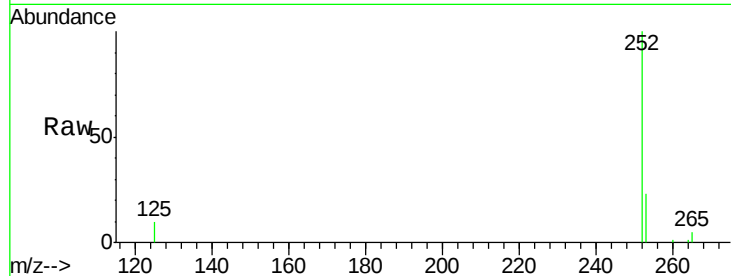
#37
Benzo(a)pyrene
Concen: 0.416 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.9	29.9
125	10.1	9.0	13.4

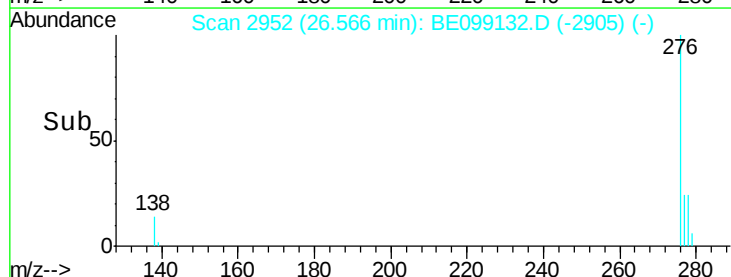
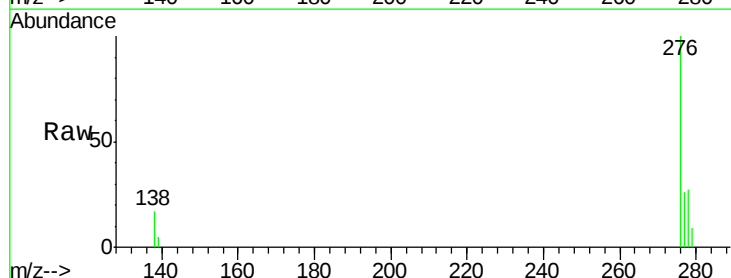
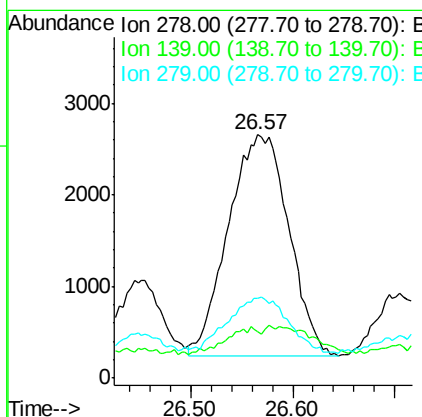
Manual Integrations
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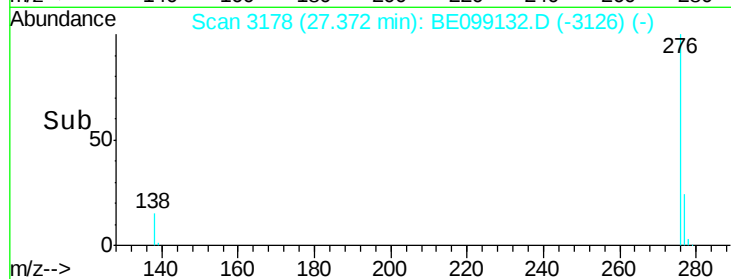
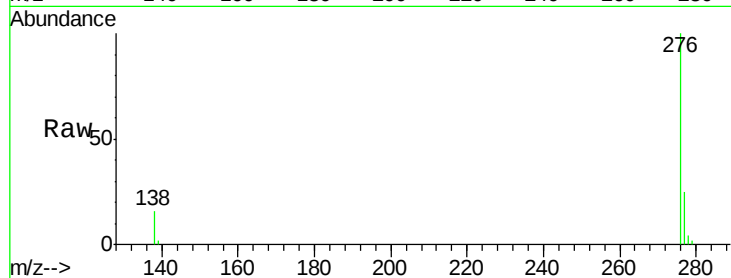
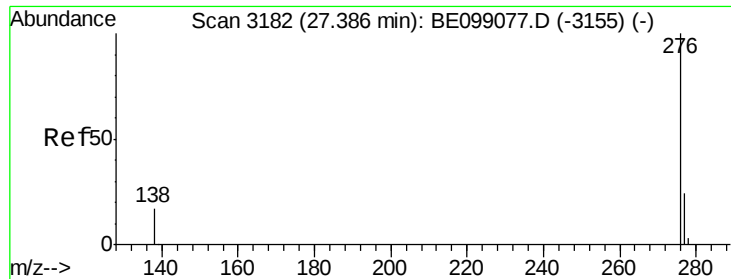
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#38
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 26.57 min Scan# 2952
Delta R.T. -0.03 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	11.8	17.6#
279	33.0	21.1	31.7#





#39

Benzo(a,h,i)perylene

Concen: 0.368 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

Tot Ion:	276	Resp:	47643
Ion Ratio	Lower	Upper	
276	100		
277	24.9	20.4	30.6
138	16.3	13.6	20.4

Manual Integrations
APPROVED

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