

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099389.D
 Acq On : 26 Apr 2019 22:19
 Operator : JU/SJ
 Sample : K2533-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B184-042219

Manual Integrations
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 4/29/2019 1:30:57 PM

Quant Time: Apr 27 06:57:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	4057	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15930	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11832	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	31509	0.40	ng	0.00
27) Chrysene-d12	21.37	240	34658	0.40	ng	0.00
34) Perylene-d12	23.87	264	40635	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4308	0.43	ng	0.01
5) Phenol-d6	6.98	99	6366	0.45	ng	0.00
8) Nitrobenzene-d5	8.96	82	5578	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	10368	0.37	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2374	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	15201	0.33	ng	0.00
25) Fluoranthene-d10	19.22	212	123404	0.33	ng	0.00
29) Terphenyl-d14	19.82	244	20853	0.31	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3626	0.021	ng	# 93
16) Acenaphthylene	14.18	152	2644	0.049	ng	100
23) Phenanthrene	17.23	178	19573	0.235	ng	99
24) Anthracene	17.32	178	3137	0.042	ng	# 94
26) Fluoranthene	19.25	202	55320	0.495	ng	# 96
28) Pyrene	19.62	202	55370	0.542	ng	# 95
30) Benzo(a)anthracene	21.35	228	41452	0.407	ng	95
31) Chrysene	21.40	228	36634	0.338	ng	95
32) Bis(2-ethylhexyl)phthalate	21.27	149	73401	0.792	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	23250	0.217	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	52221	0.420	ng	# 90
36) Benzo(k)fluoranthene	23.15	252	21321m	0.172	ng	
37) Benzo(a)pyrene	23.76	252	36304	0.326	ng	# 92
38) Dibenzo(a,h)anthracene	26.53	278	5629	0.049	ng	# 59
39) Benzo(a,h,i)perylene	27.33	276	21624	0.187	ng	96

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

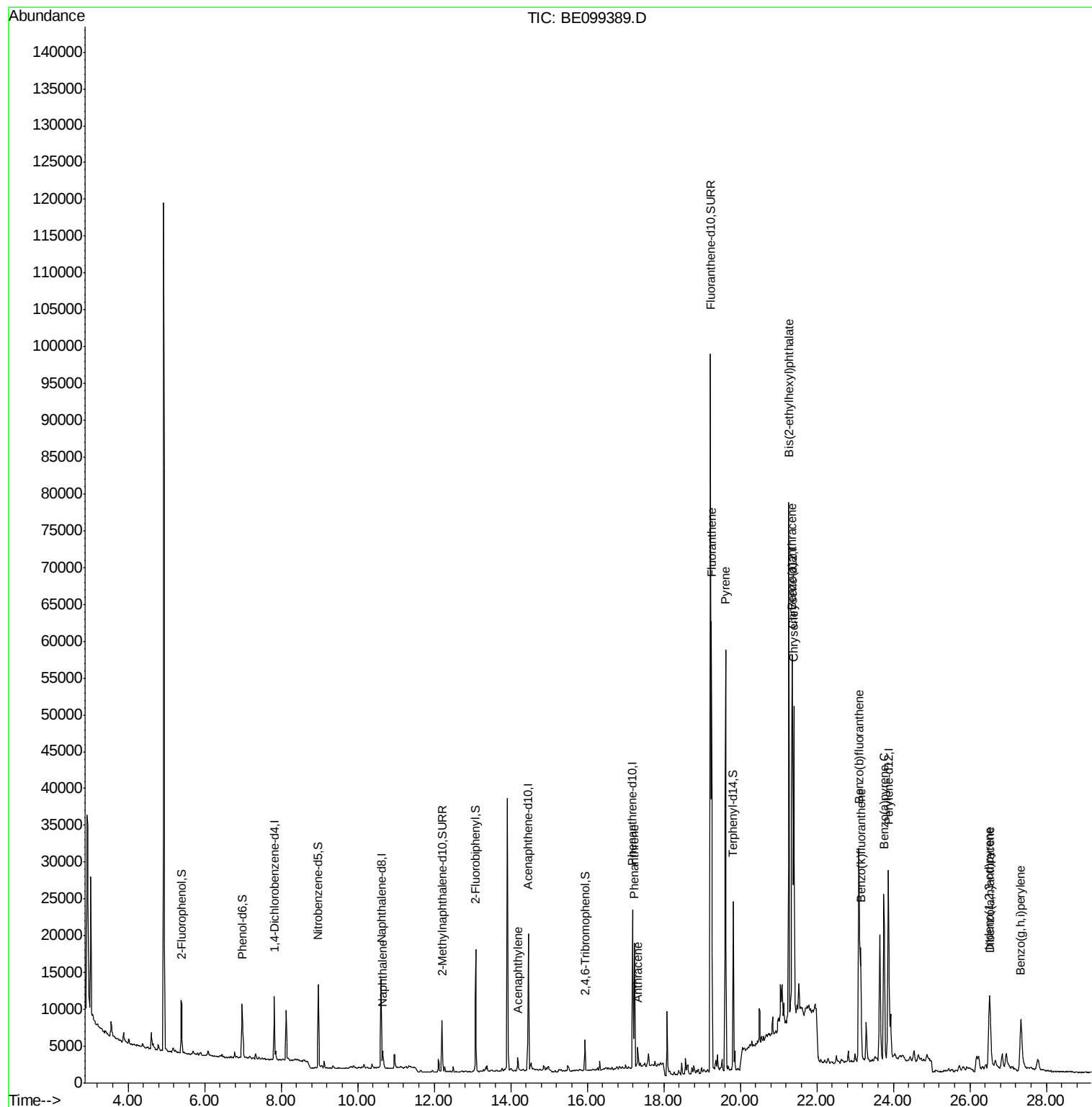
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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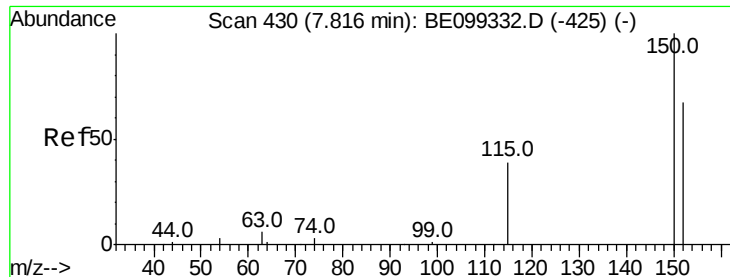
Instrument :
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PST-023-B184-042219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

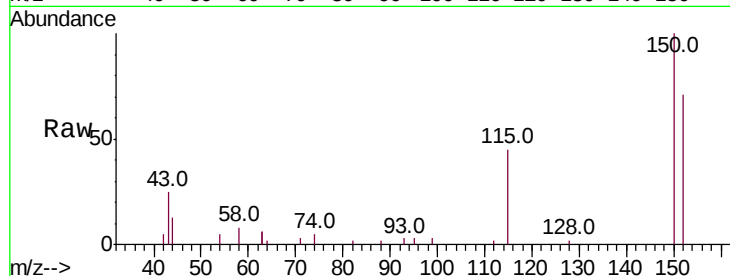
ClientSampleId :

PST-023-B184-042219

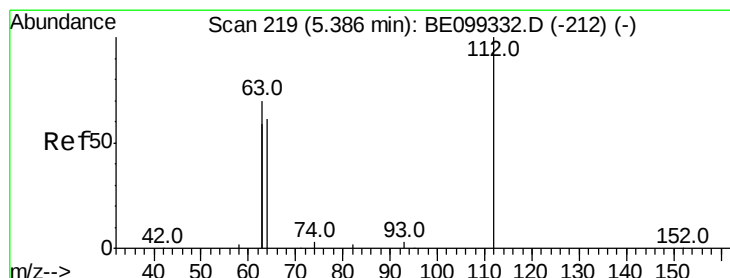
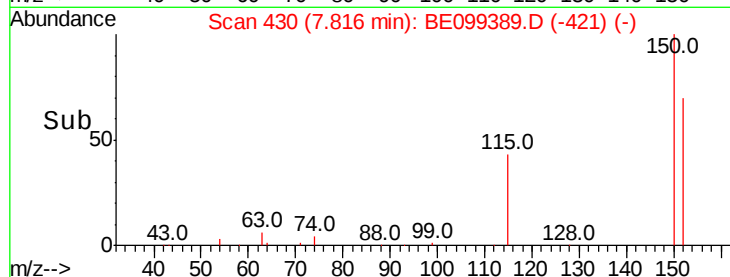
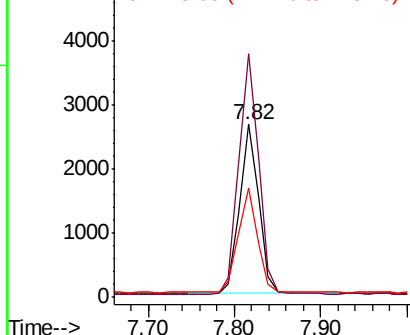
Tot Ion:	152	Resp:	4057
Ion	Ratio	Lower	Upper
152	100		
150	141.0	119.5	179.3
115	62.9	47.5	71.3

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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: 0.435 ng

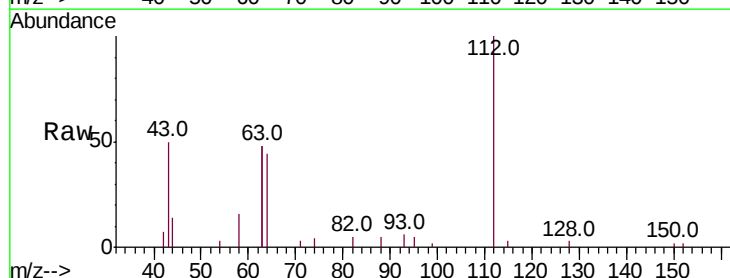
RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

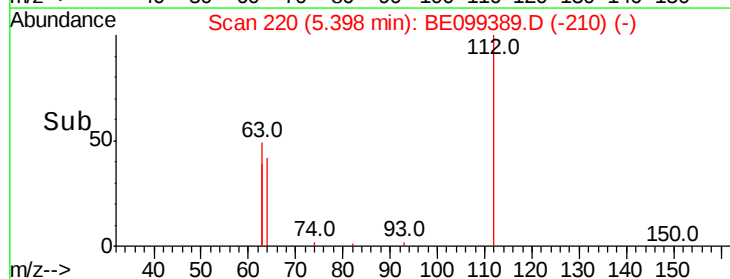
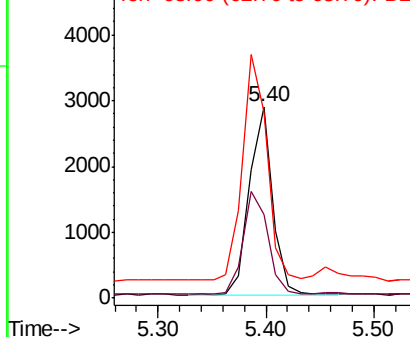
Lab File: BE099389.D

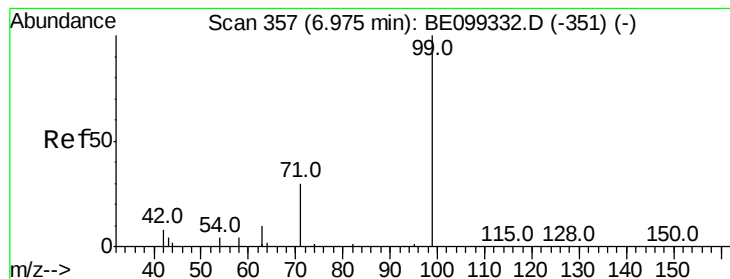
Acq: 26 Apr 2019 22:19

Tgt Ion:	112	Resp:	4308
Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.9	67.3
63	123.1	97.4	146.0



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: 0.450 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

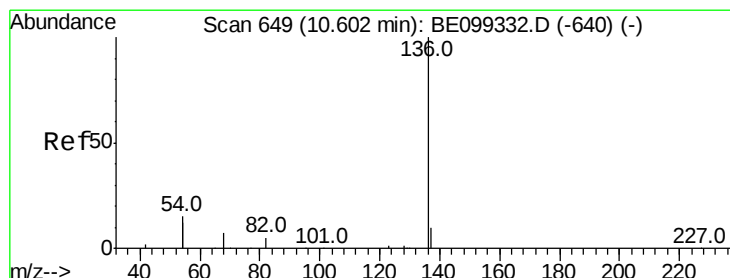
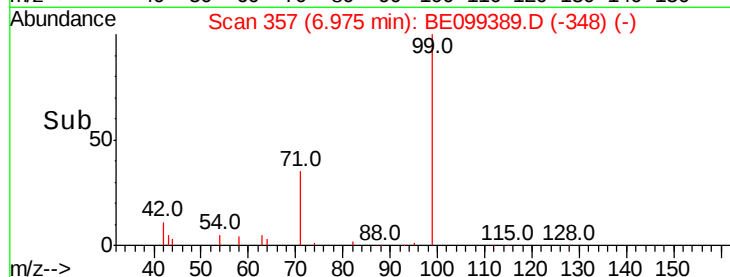
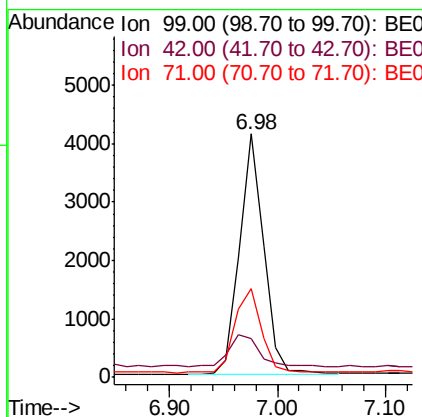
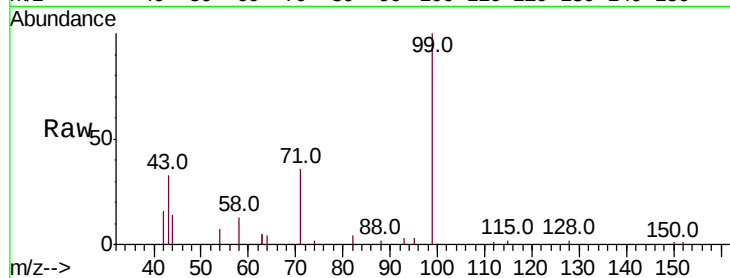
ClientSampleId :

PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
99	100		
42	17.5	11.7	17.5
71	38.6	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

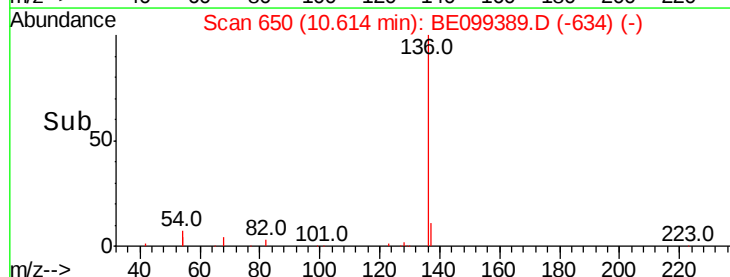
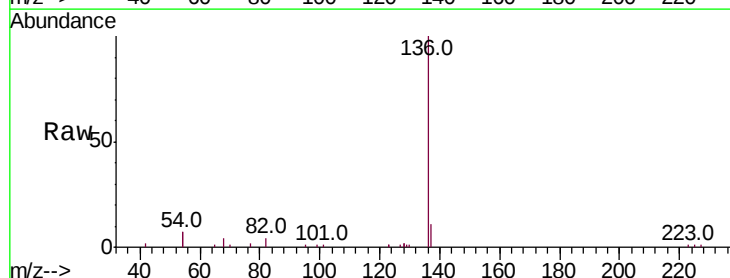
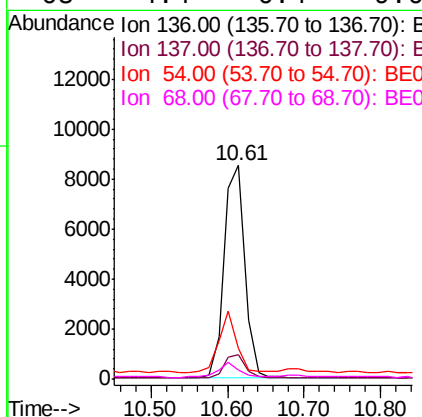
RT: 10.61 min Scan# 650

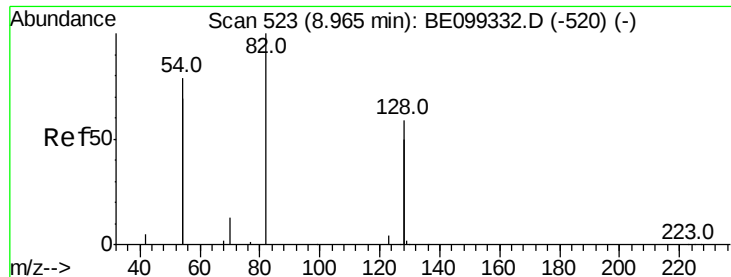
Delta R.T. 0.01 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	14.4	23.8	35.8#
68	4.4	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.451 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

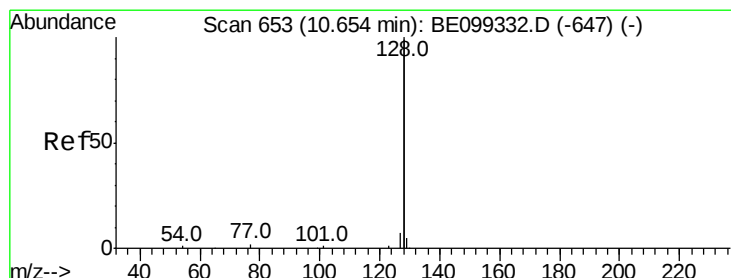
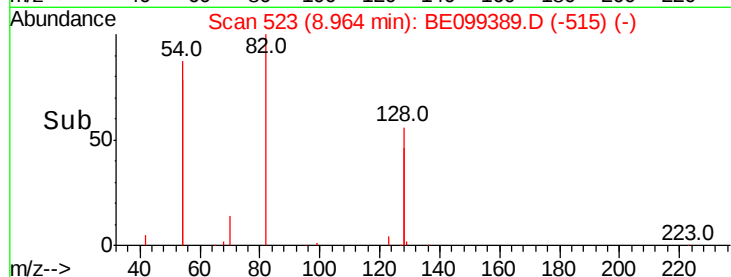
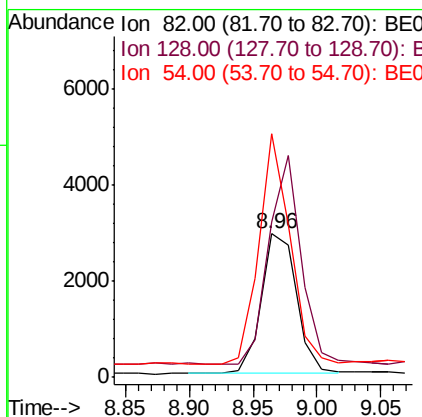
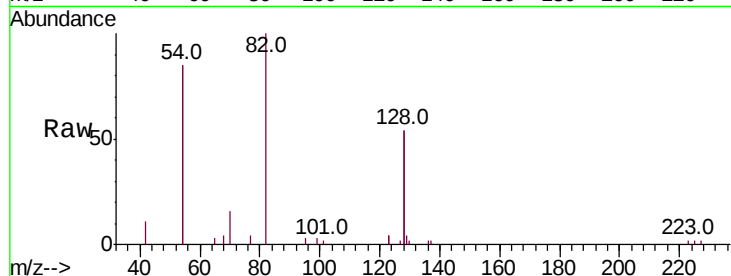
ClientSampleId :

PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
82	100		
128	108.1	91.7	137.5
54	169.9	122.8	184.2

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#9

Naphthalene

Concen: 0.021 ng

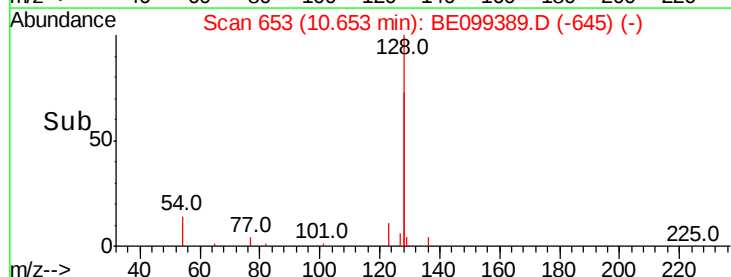
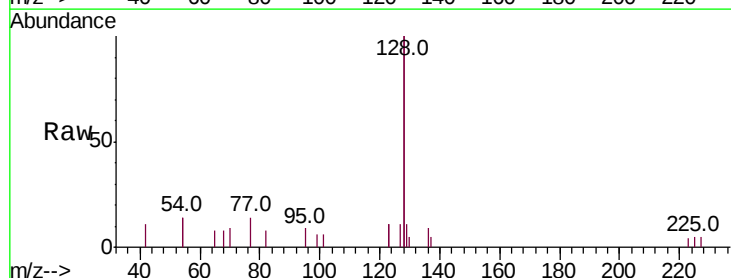
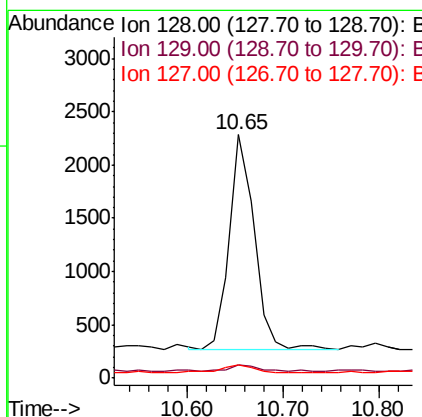
RT: 10.65 min Scan# 653

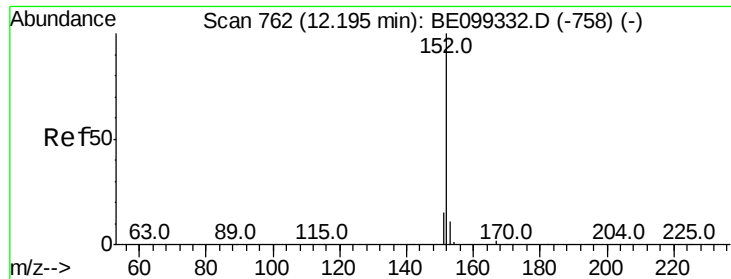
Delta R.T. -0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.3	2.3	3.5#
127	5.4	2.8	4.2#





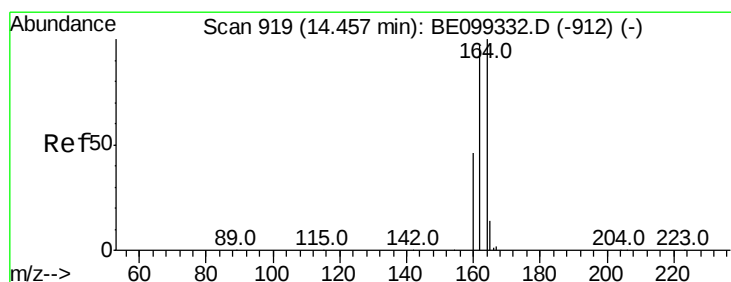
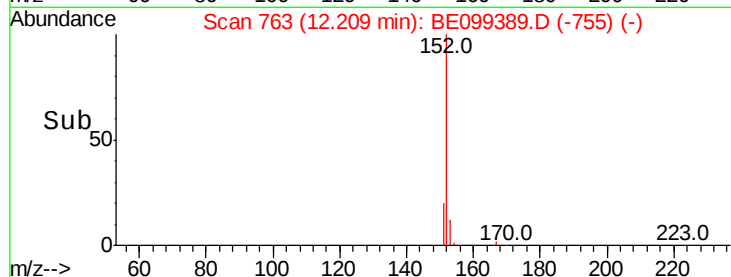
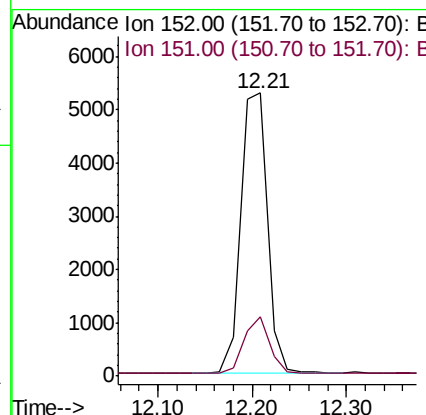
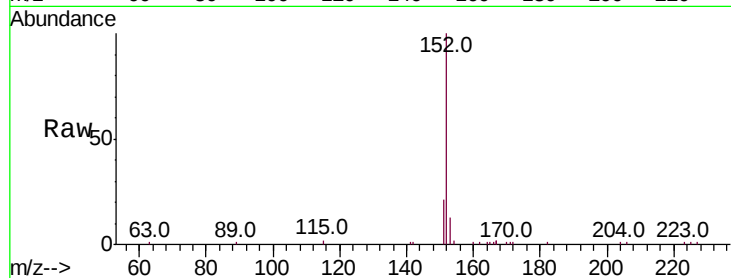
#11
2-Methylnaphthalene-d10
Concen: 0.369 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.01 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Instrument :
BNA_E
ClientSampleId :
PST-023-B184-042219

Tot Ion:152 Resp: 10368
Ion Ratio Lower Upper
152 100
151 19.0 14.9 22.3

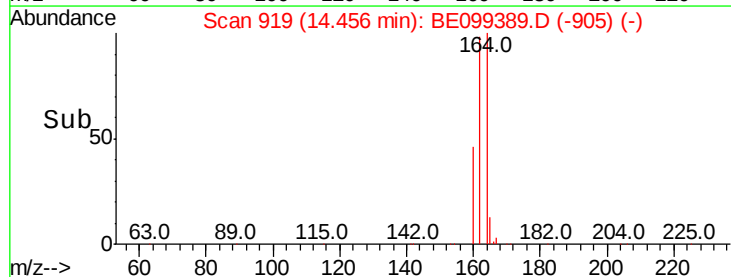
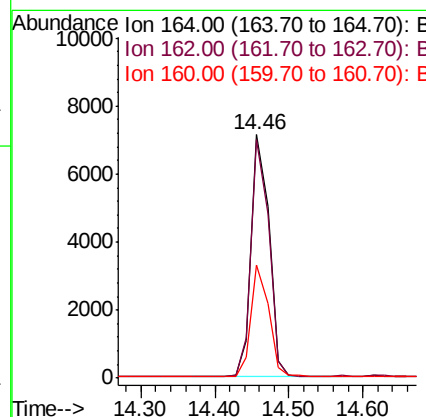
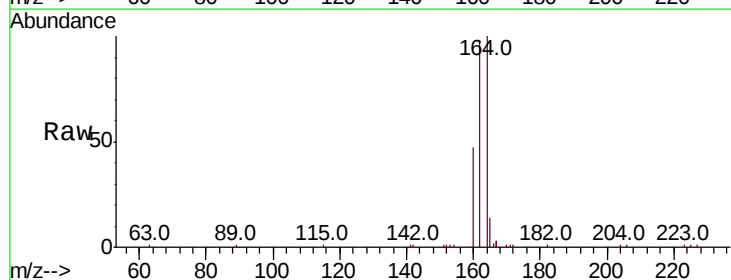
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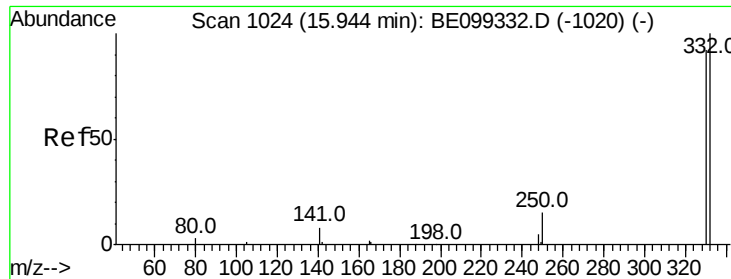
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Tgt Ion:164 Resp: 11832
Ion Ratio Lower Upper
164 100
162 97.7 77.8 116.6
160 46.6 37.1 55.7





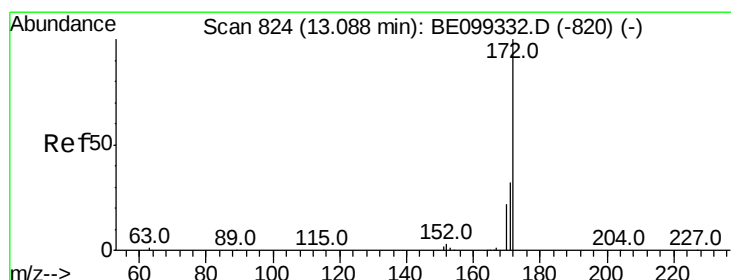
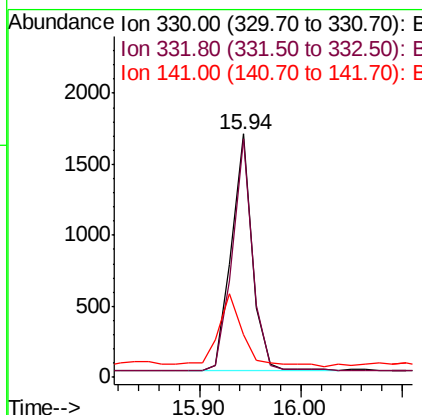
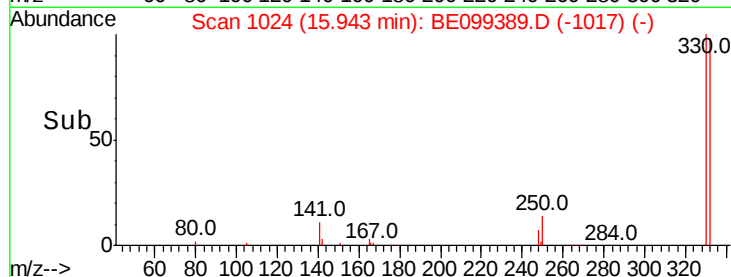
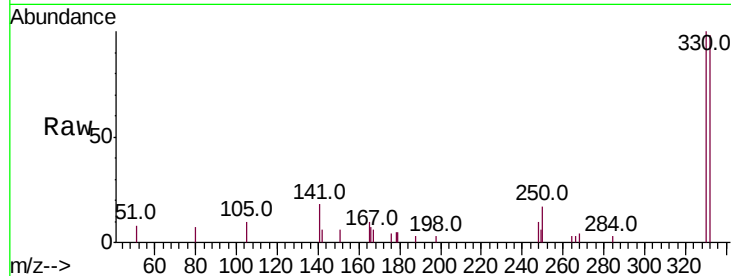
#14
 2,4,6-Tribromophenol
 Concen: 0.604 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099389.D
 Acq: 26 Apr 2019 22:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	82.5	123.7
141	36.5	24.9	37.3

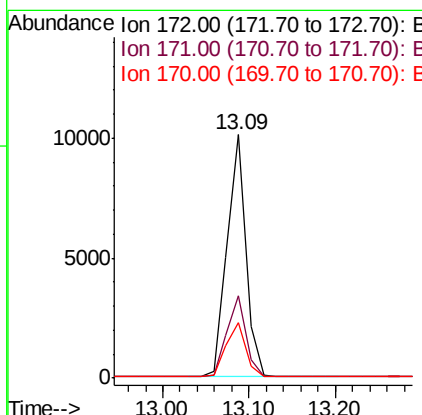
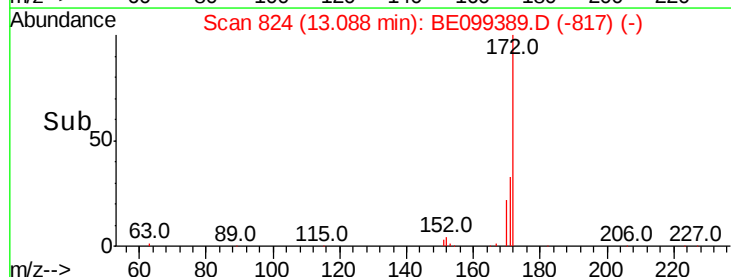
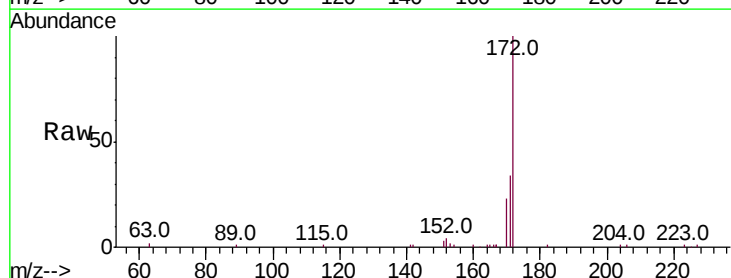
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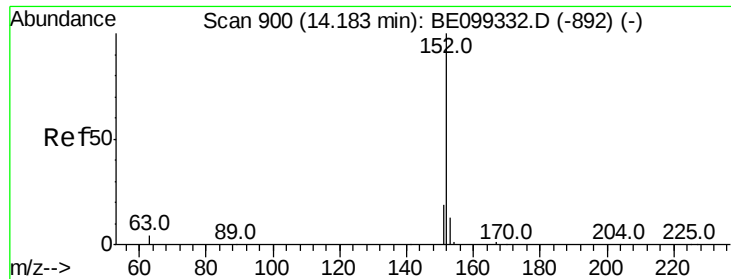
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#15
 2-Fluorobiphenyl
 Concen: 0.327 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099389.D
 Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.2	39.2
170	22.7	18.1	27.1





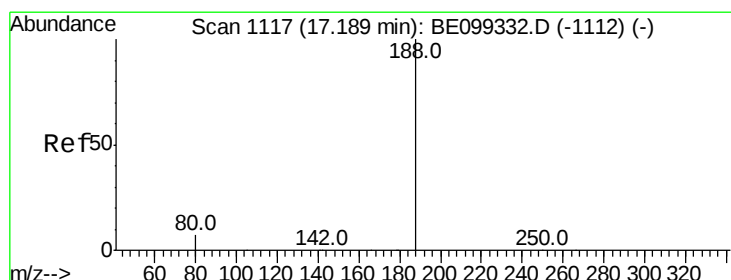
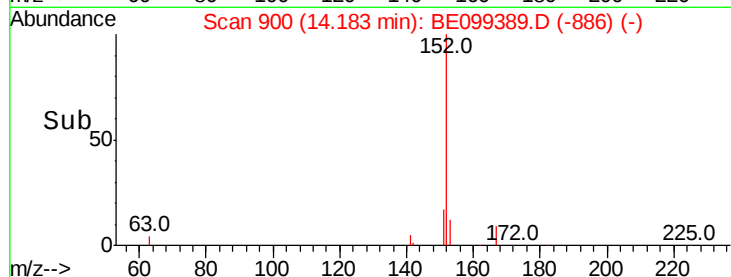
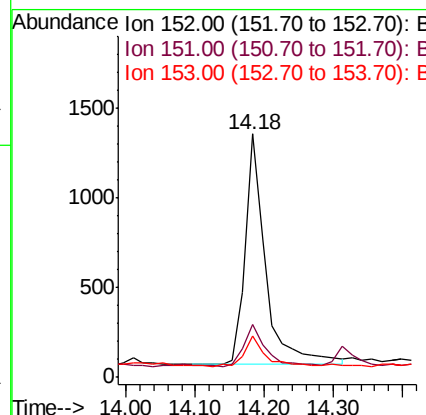
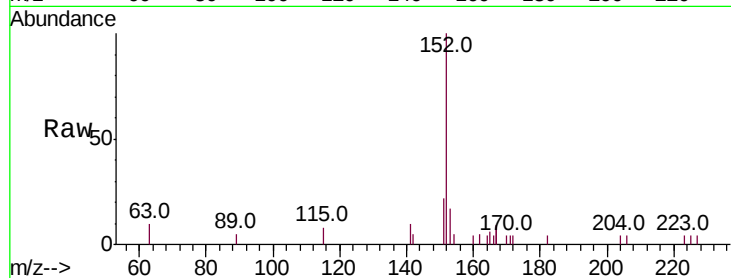
#16
Acenaphthylene
Concen: 0.049 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

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PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	12.7	10.2	15.4

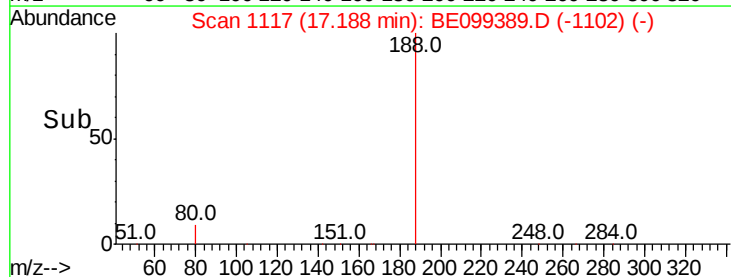
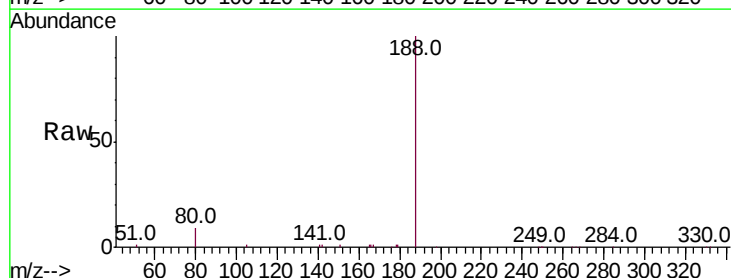
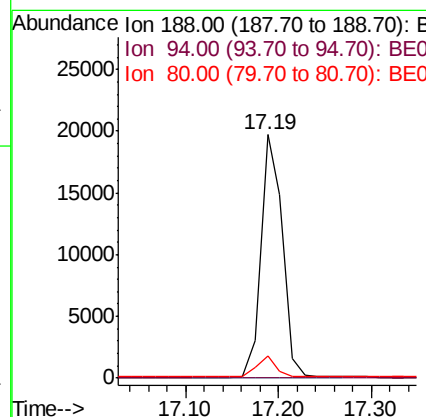
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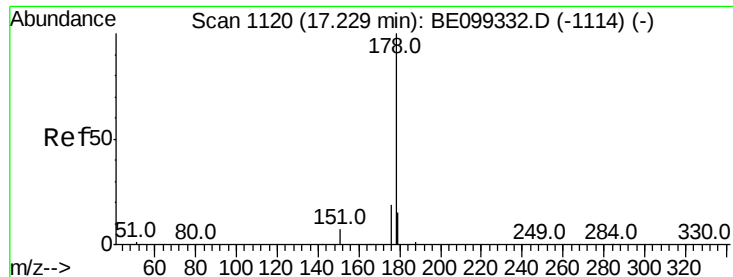
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	6.2	9.4





#23

Phenanthrene

Concen: 0.235 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

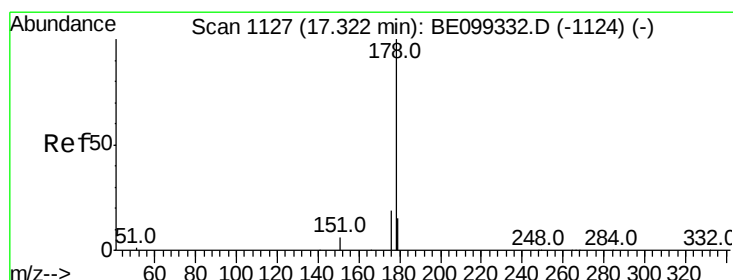
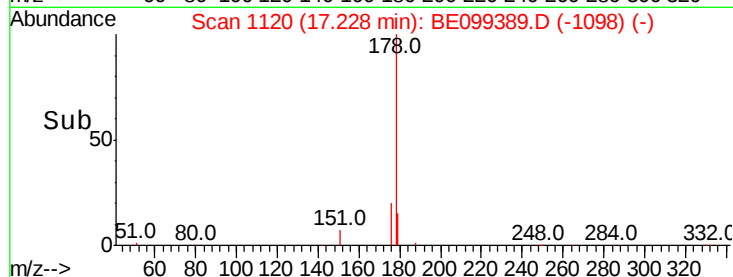
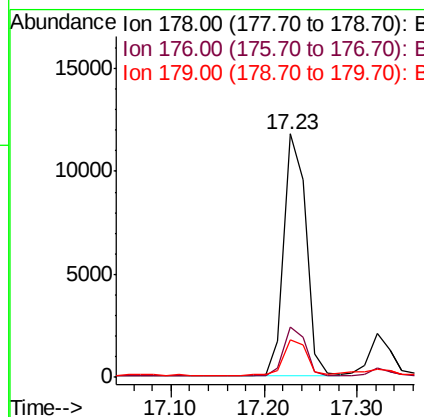
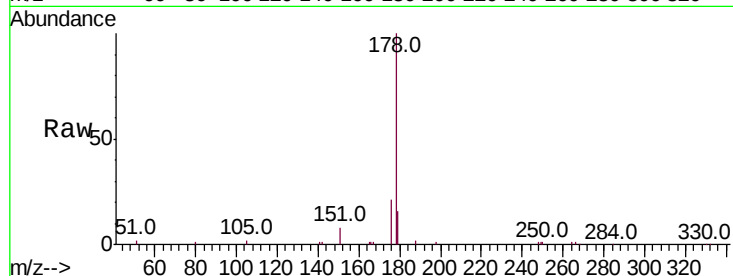
ClientSampleId :

PST-023-B184-042219

Tot Ion:178	Resp:	19573
Ion Ratio	Lower	Upper
178	100	
176	20.0	15.3 22.9
179	15.6	12.4 18.6

Manual Integrations
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#24

Anthracene

Concen: 0.042 ng

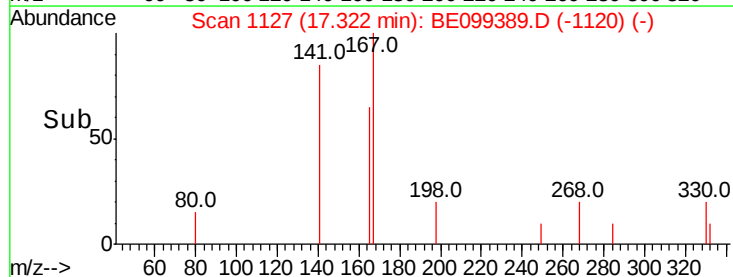
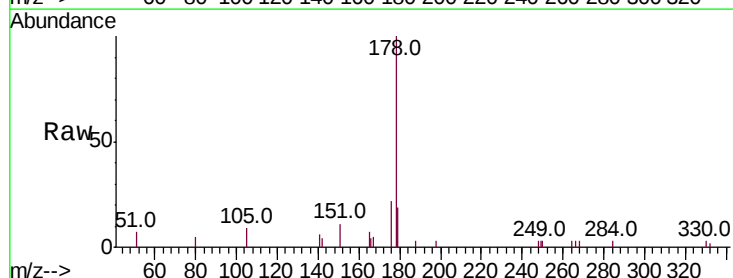
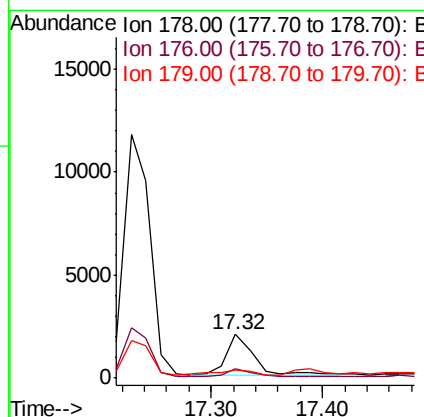
RT: 17.32 min Scan# 1127

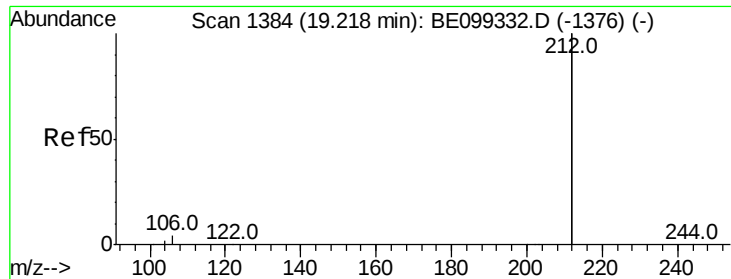
Delta R.T. -0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Tgt Ion:178	Resp:	3137
Ion Ratio	Lower	Upper
178	100	
176	16.9	15.1 22.7
179	18.5	11.9 17.9#





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

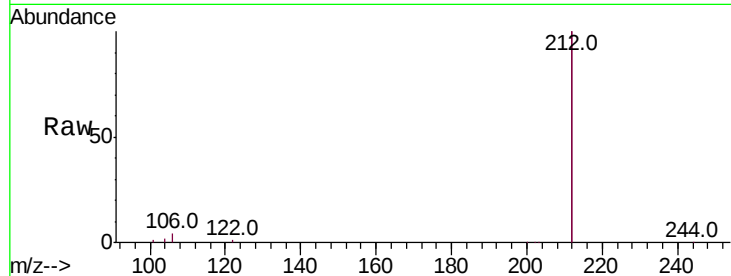
ClientSampleId :

PST-023-B184-042219

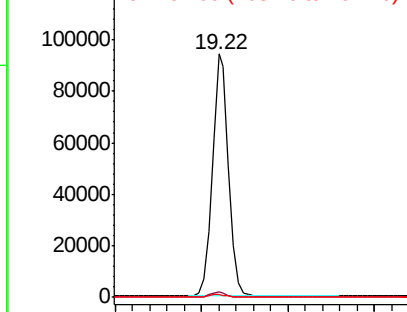
Tot Ion	Ratio	Resp	Lower	Upper
212	100	123404		
106	2.1		1.8	2.6
104	1.2		1.0	1.4

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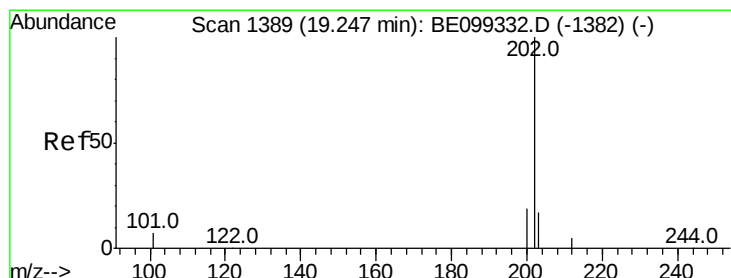
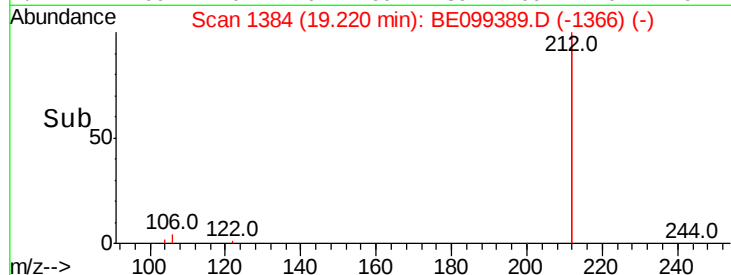
Sohil
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time--> 19.10 19.20 19.30 19.40



#26

Fluoranthene

Concen: 0.495 ng

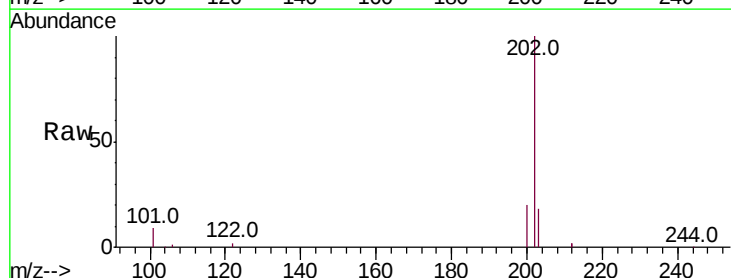
RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

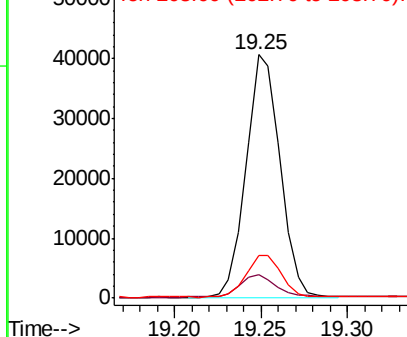
Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

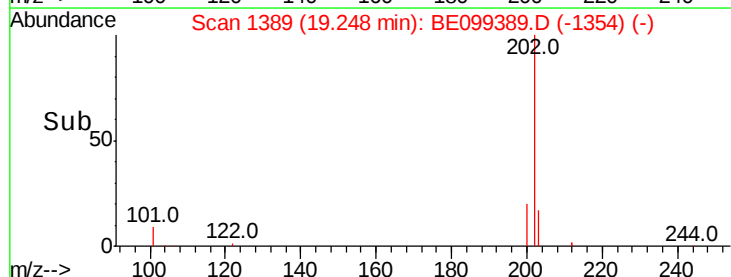
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	55320		
101	10.9		6.4	9.6#
203	17.7		13.5	20.3

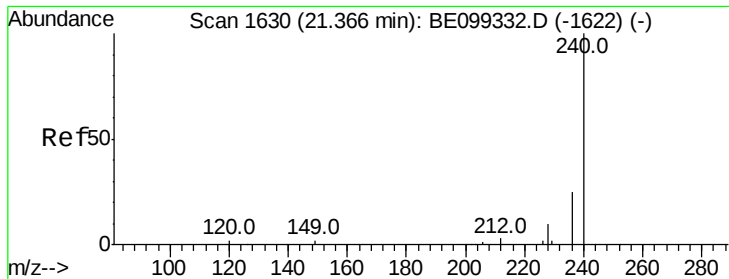


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.25 19.30





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

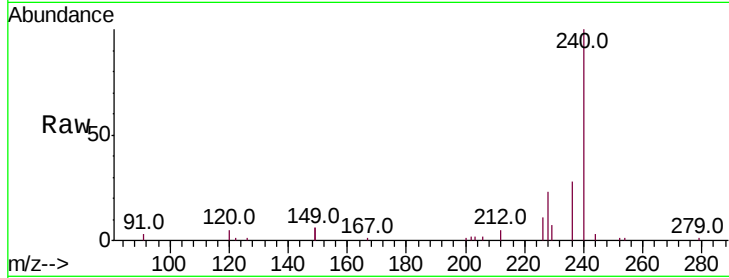
ClientSampleId :

PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.9	2.2	3.2#
236	27.7	20.2	30.4

Manual Integrations
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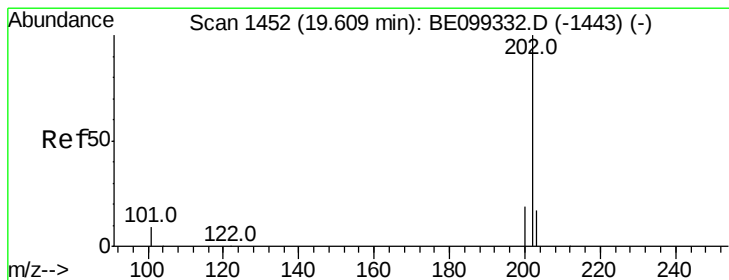
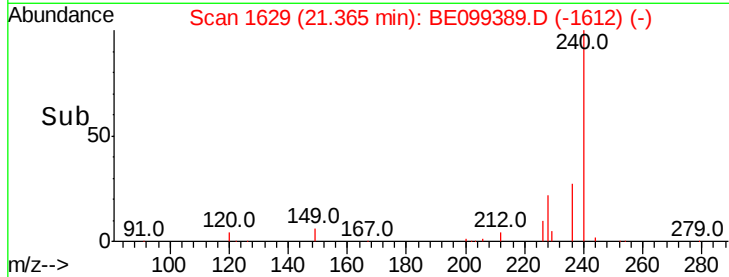
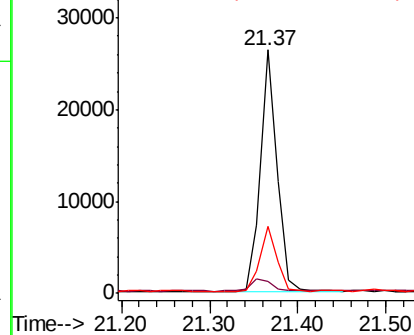
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.542 ng

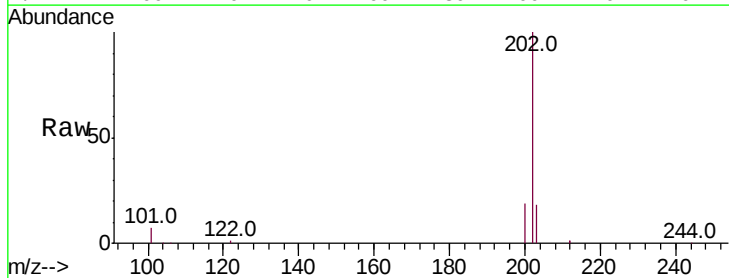
RT: 19.62 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

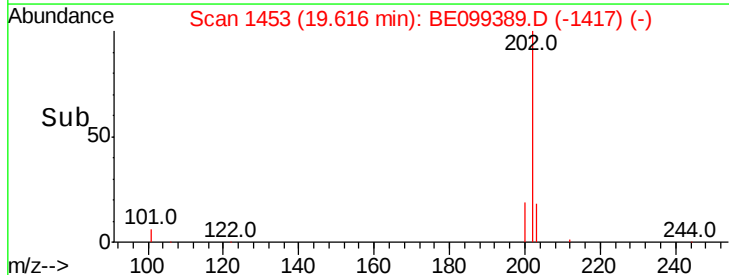
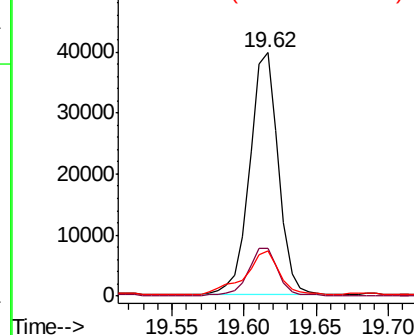
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	21.7	13.7	20.5#

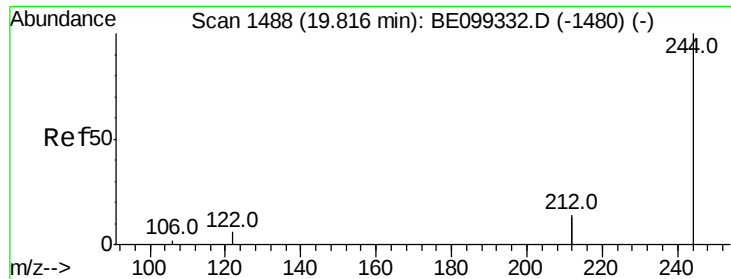


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.306 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099389.D

Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

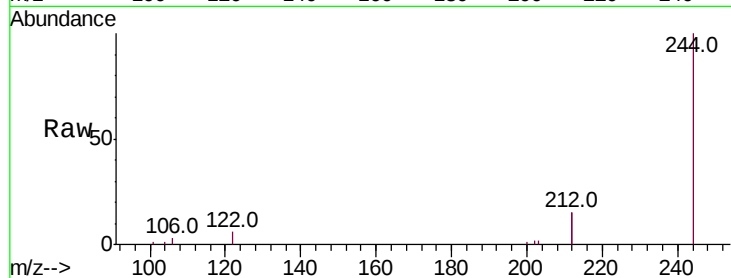
ClientSampleId :

PST-023-B184-042219

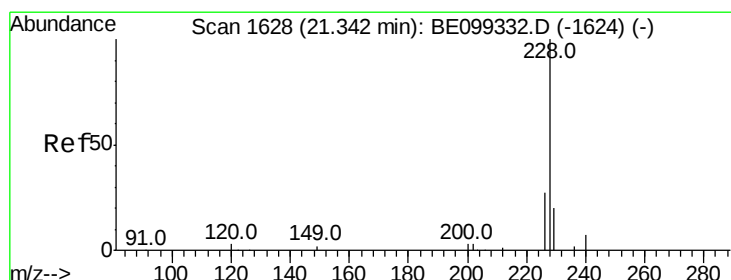
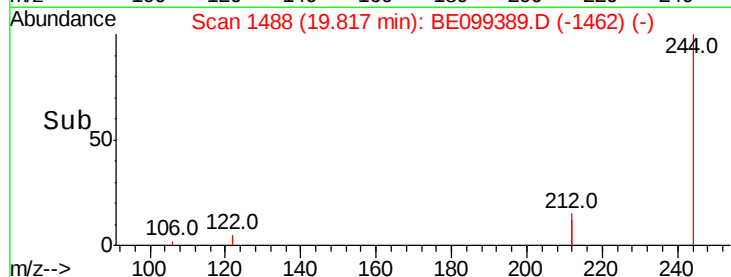
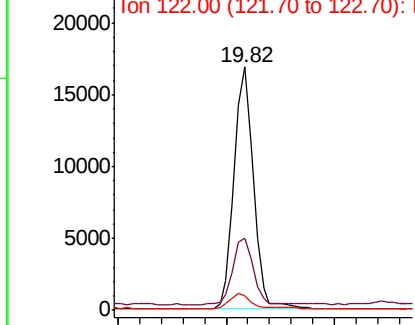
Tot Ion:	244	Resp:	20853
Ion Ratio	Lower	Upper	
244	100		
212	29.7	22.6	33.8
122	5.8	4.6	7.0

Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.407 ng

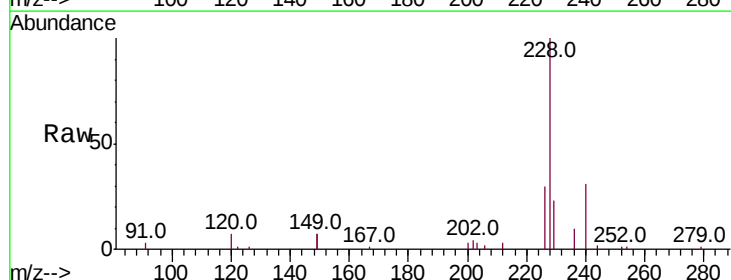
RT: 21.35 min Scan# 1628

Delta R.T. 0.01 min

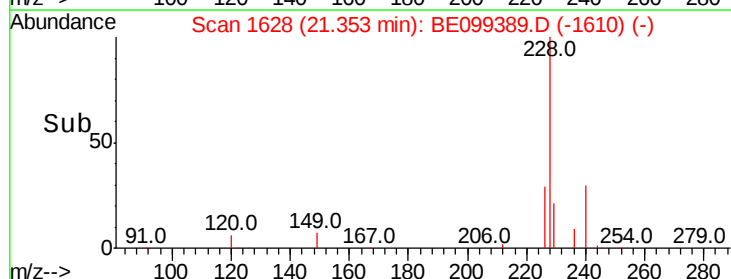
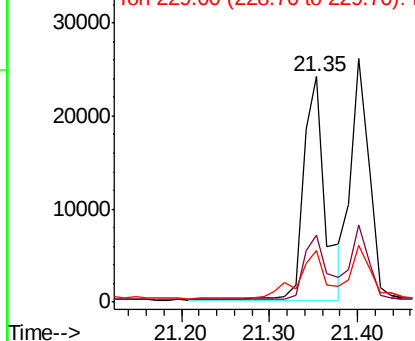
Lab File: BE099389.D

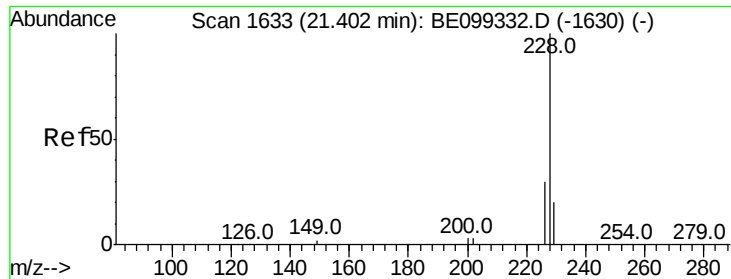
Acq: 26 Apr 2019 22:19

Tgt Ion:	228	Resp:	41452
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.0	33.0
229	22.8	15.8	23.8



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





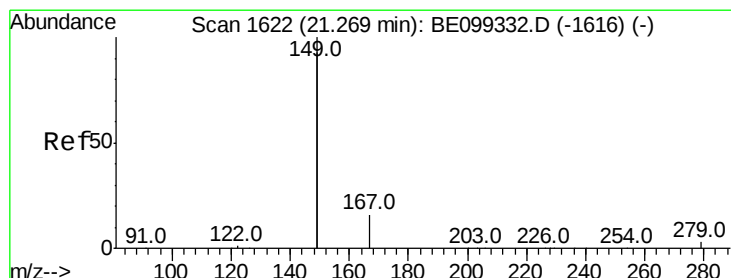
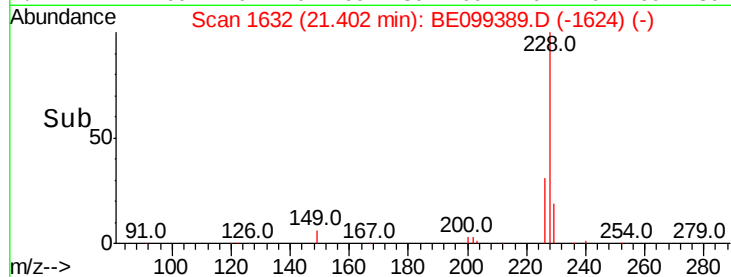
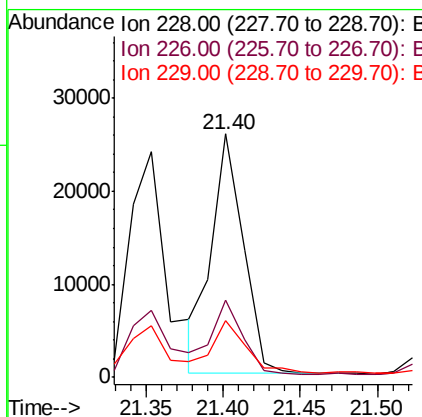
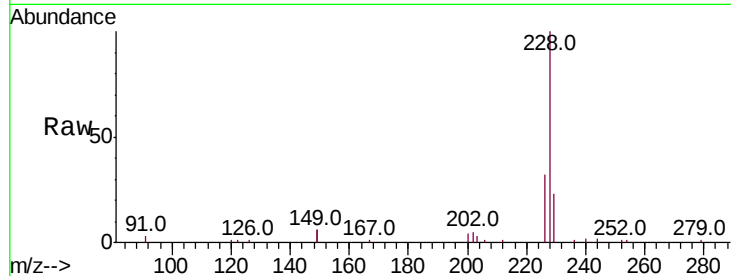
#31
 Chrysene
 Concen: 0.338 ng
 RT: 21.40 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099389.D
 Acq: 26 Apr 2019 22:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.4	35.2
229	23.1	16.2	24.2

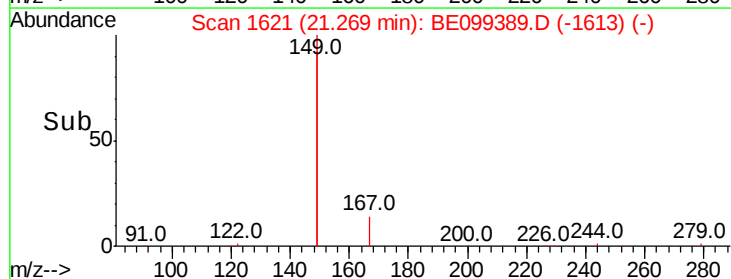
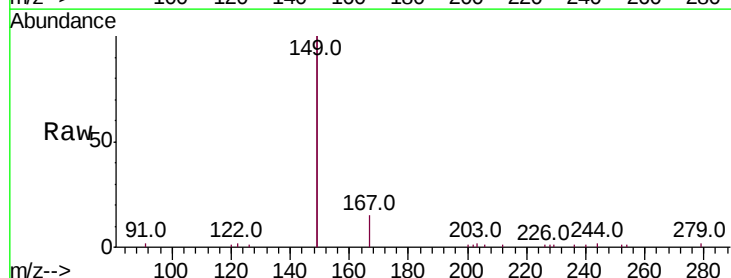
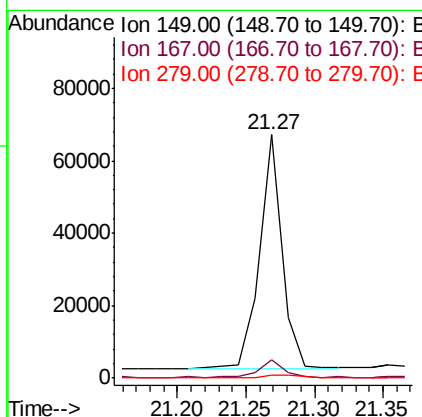
Manual Integrations
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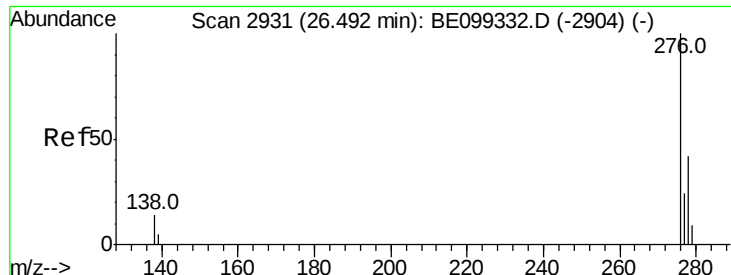
Sohil
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.792 ng
 RT: 21.27 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE099389.D
 Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.4	6.0	9.0
279	1.5	1.1	1.7





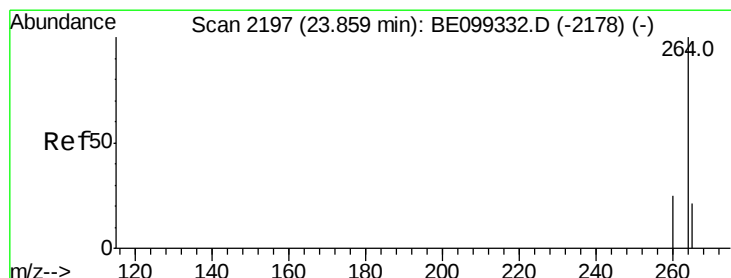
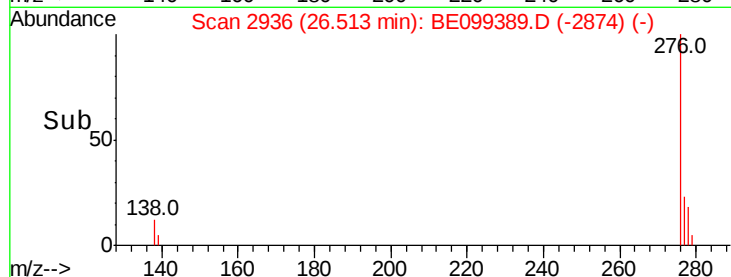
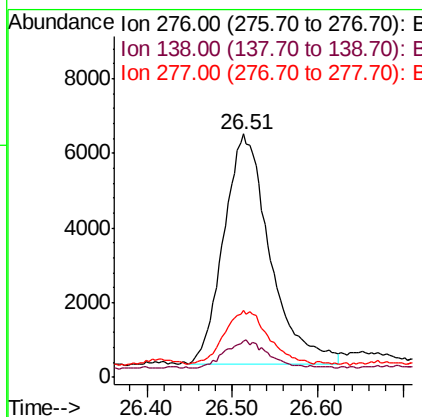
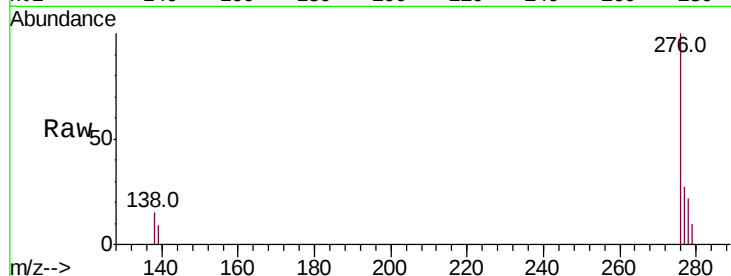
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.217 ng
RT: 26.51 min Scan# 2936
Delta R.T. 0.02 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Instrument :
BNA_E
ClientSampleId :
PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.9	12.7	19.1#
277	22.7	19.6	29.4

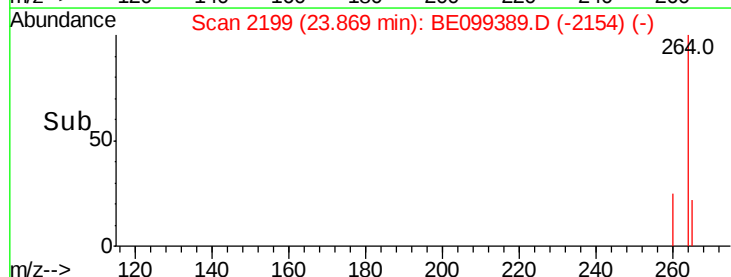
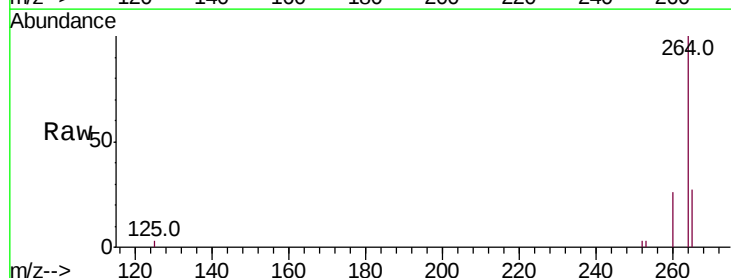
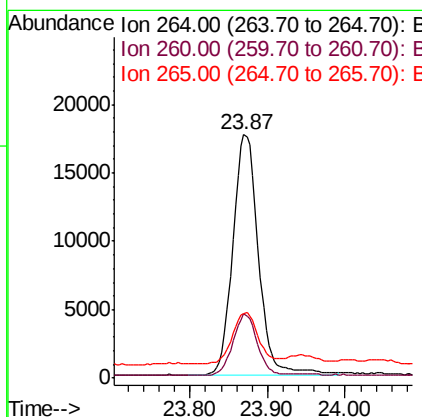
Manual Integrations
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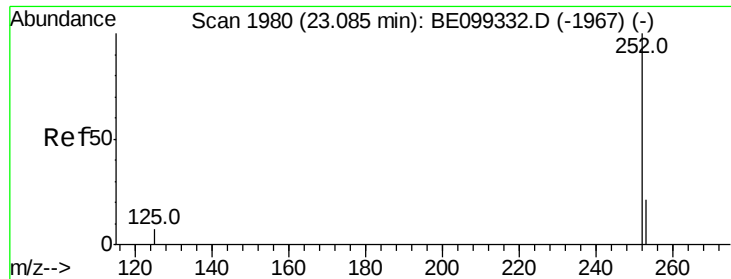
Sohil
4/29/2019 1:30:57 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.1	30.1
265	26.7	19.9	29.9





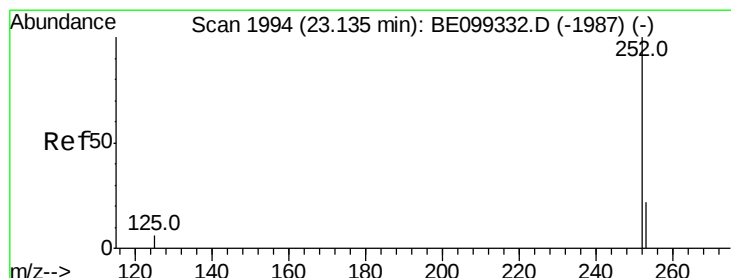
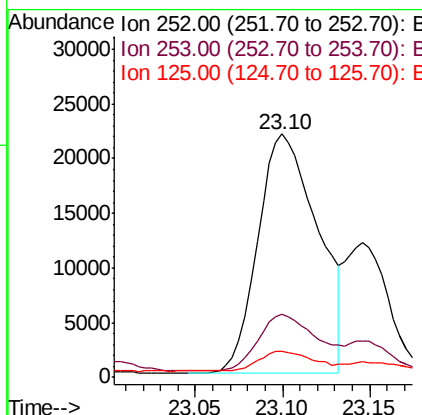
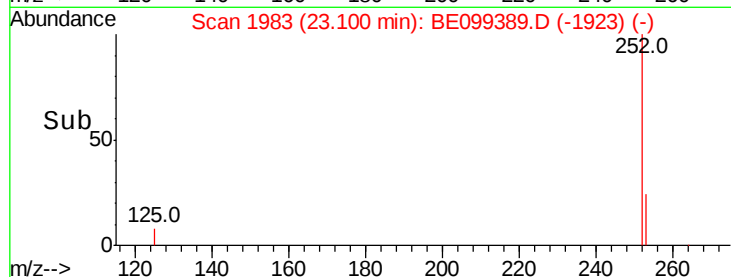
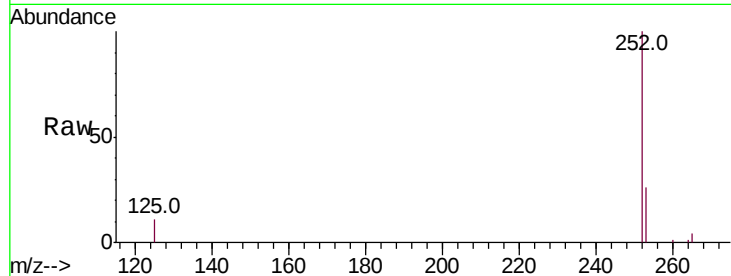
#35
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Instrument :
BNA_E
ClientSampleId :
PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.3	25.9#
125	10.9	5.8	8.6#

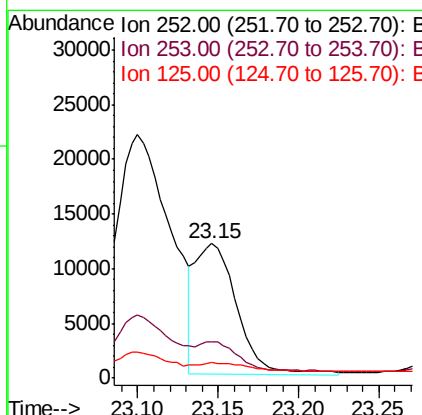
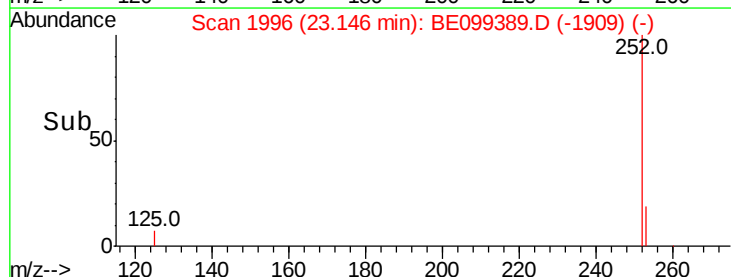
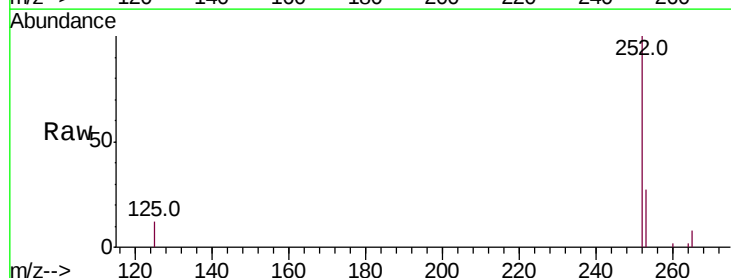
Manual Integrations
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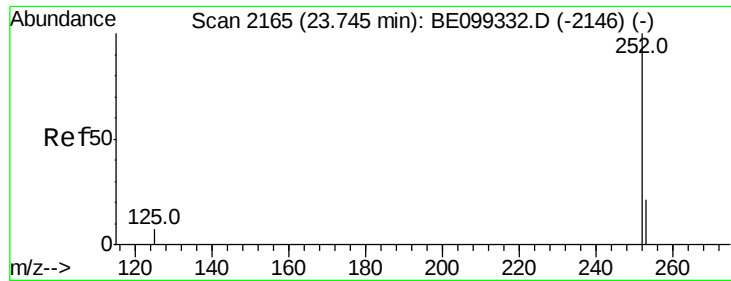
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.172 ng m
RT: 23.15 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.4	27.6
125	11.5	5.4	8.0#





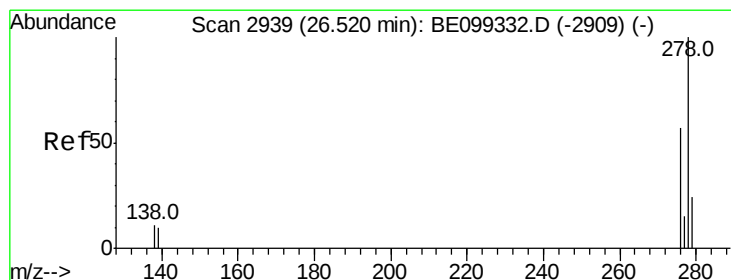
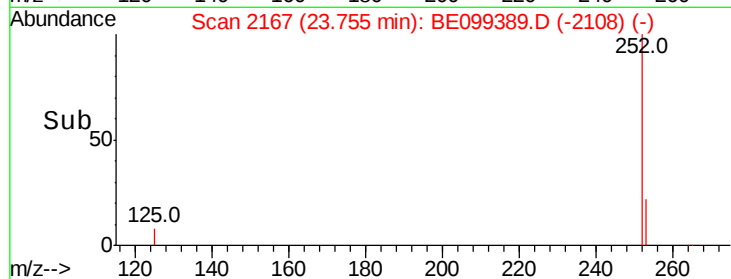
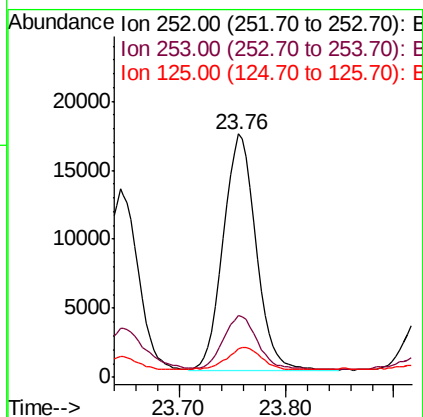
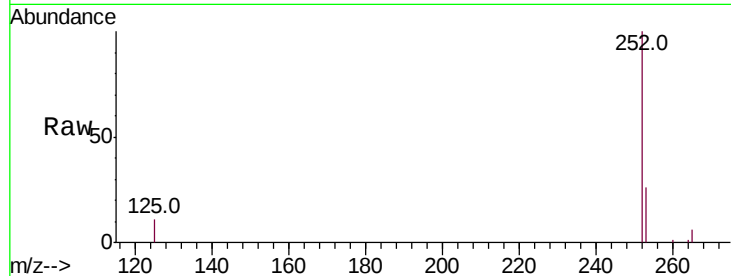
#37
Benzo(a)pyrene
Concen: 0.326 ng
RT: 23.76 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Instrument :
BNA_E
ClientSampleId :
PST-023-B184-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.6	26.4
125	11.5	6.5	9.7

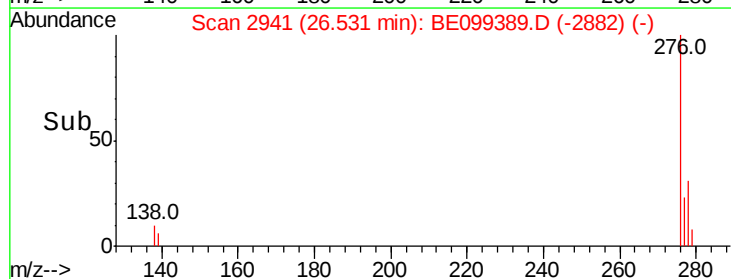
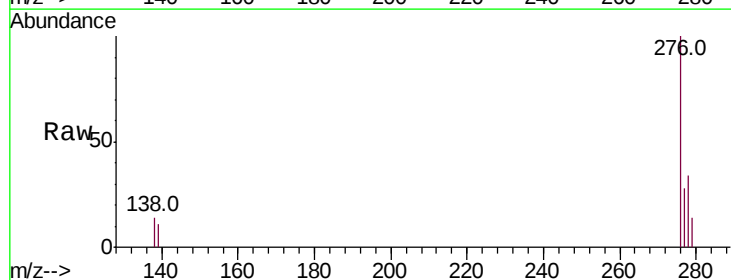
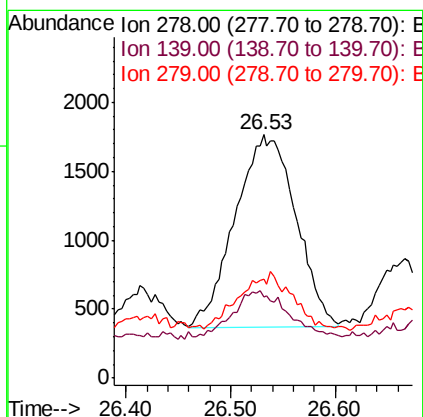
Manual Integrations
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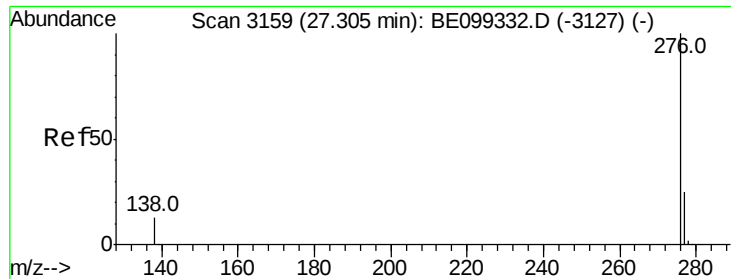
Sohil
4/29/2019 1:30:57 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.049 ng
RT: 26.53 min Scan# 2941
Delta R.T. 0.01 min
Lab File: BE099389.D
Acq: 26 Apr 2019 22:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.5	8.5	12.7
279	40.7	19.8	29.8





#39

Benzo(a,h,i)perylene

Concen: 0.187 ng

RT: 27.33 min Scan# 3166

Delta R.T. 0.03 min

Lab File: BE099389.D

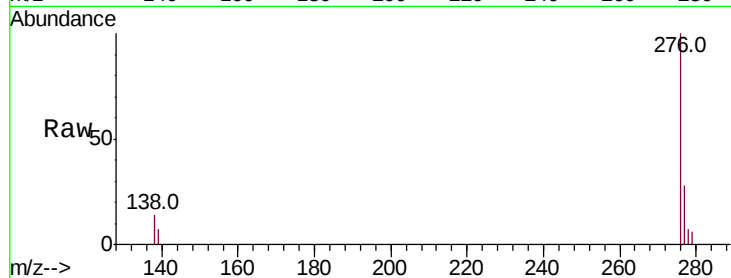
Acq: 26 Apr 2019 22:19

Instrument :

BNA_E

ClientSampleId :

PST-023-B184-042219



Tot Ion:	276	Resp:	21624
Ion Ratio	Lower	Upper	
276	100		
277	28.0	20.0	30.0
138	14.4	11.1	16.7

Manual Integrations
APPROVED

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4/29/2019 1:30:57 PM

