

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099498.D
 Acq On : 2 May 2019 18:08
 Operator : JU/SJ
 Sample : K2533-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

Manual Integrations
 APPROVED

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Quant Time: May 03 04:57:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2577	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9365	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6960	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	21357	0.40	ng	0.00
27) Chrysene-d12	21.36	240	28717	0.40	ng	0.00
34) Perylene-d12	23.87	264	33250	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2301	0.32	ng	0.00
5) Phenol-d6	6.96	99	3334	0.35	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2735	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4742	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1556	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7149	0.27	ng	0.00
25) Fluoranthene-d10	19.22	212	81631	0.28	ng	0.00
29) Terphenyl-d14	19.82	244	17054	0.32	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1682	0.049	ng	# 92
17) Acenaphthene	14.51	154	398	0.020	ng	97
18) Fluorene	15.49	166	932	0.032	ng	# 88
23) Phenanthrene	17.23	178	19529	0.354	ng	99
24) Anthracene	17.32	178	2070	0.039	ng	# 89
26) Fluoranthene	19.25	202	52026	0.630	ng	100
28) Pyrene	19.62	202	49876	0.666	ng	96
30) Benzo(a)anthracene	21.35	228	26294	0.287	ng	96
31) Chrysene	21.40	228	29634	0.331	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	24400	0.117	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	20027	0.189	ng	98
35) Benzo(b)fluoranthene	23.10	252	38562	0.402	ng	# 89
36) Benzo(k)fluoranthene	23.15	252	15259m	0.165	ng	
37) Benzo(a)pyrene	23.75	252	26966m	0.298	ng	
38) Dibenzo(a,h)anthracene	26.53	278	4835	0.052	ng	# 72
39) Benzo(g,h,i)perylene	27.33	276	20239	0.218	ng	97

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

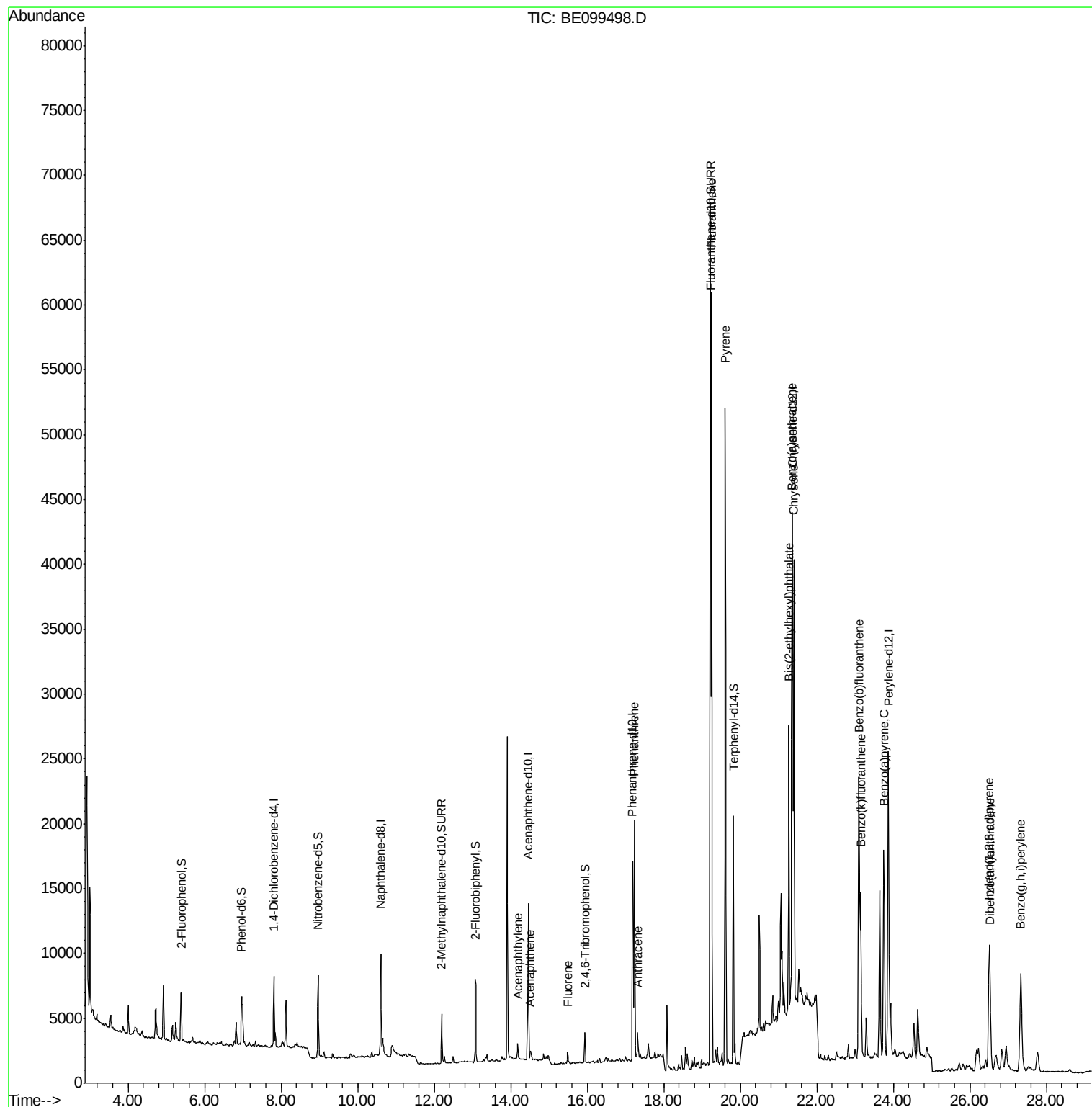
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
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ALS Vial : 8 Sample Multiplier: 1

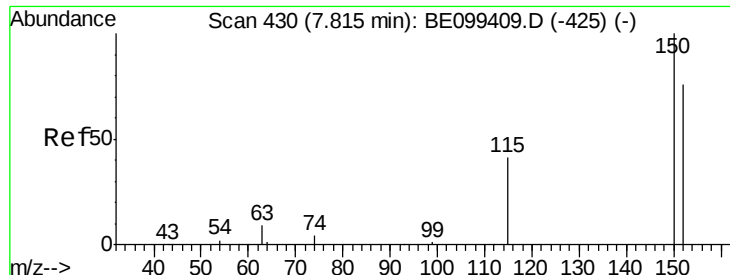
Instrument :
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PST-072-B156-042219

Quant Time: May 03 04:57:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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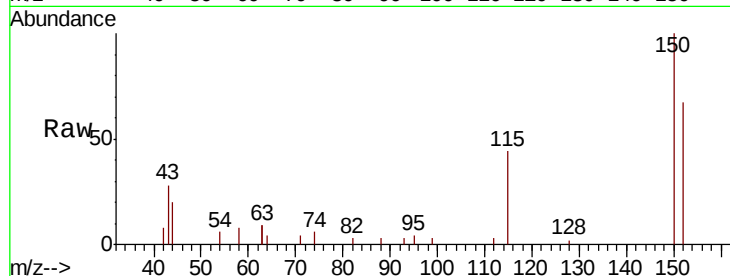




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

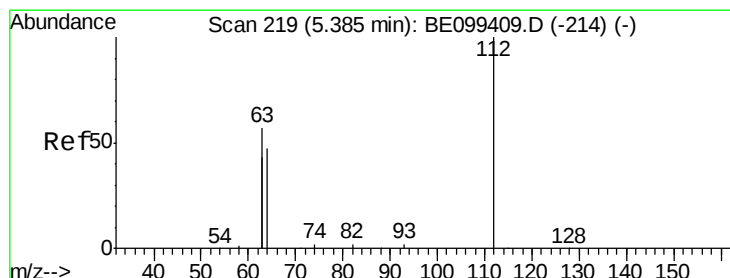
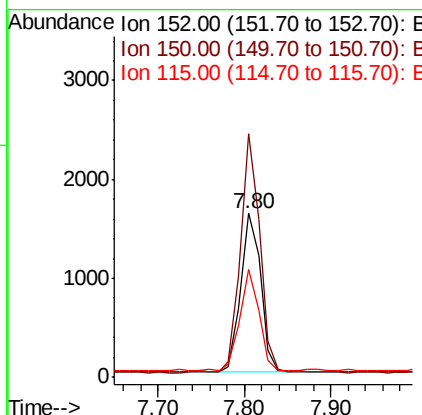
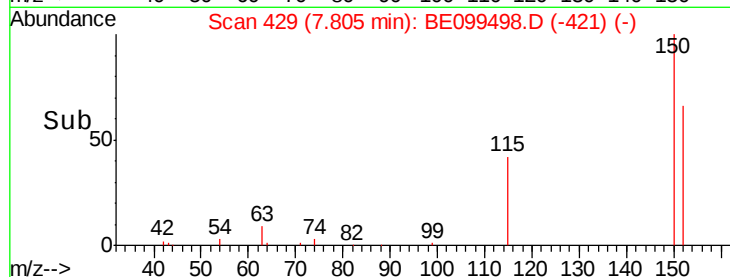
Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219



Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.8	104.8	157.2
115	65.7	46.6	69.8

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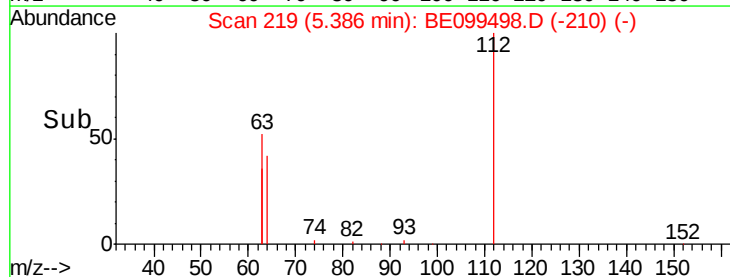
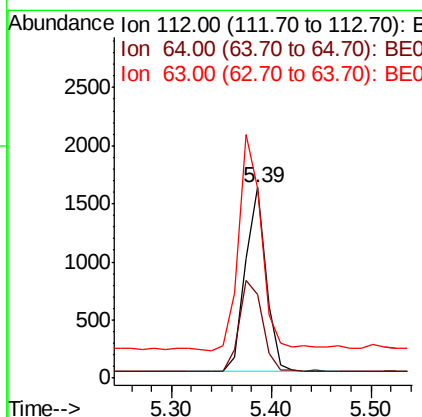
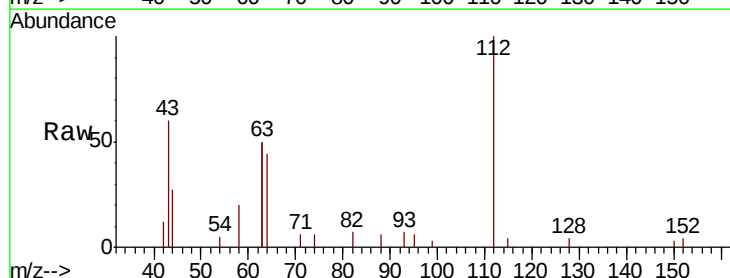
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#4

2-Fluorophenol
Concen: 0.323 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.4	71.0
63	132.0	104.3	156.5





#5

Phenol-d6

Concen: 0.352 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Instrument :

BNA_E

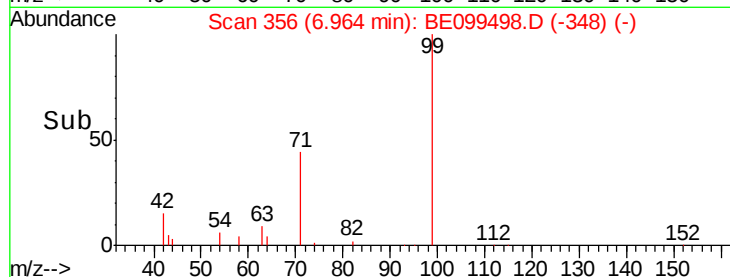
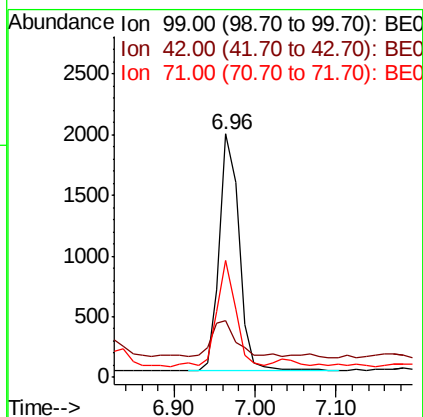
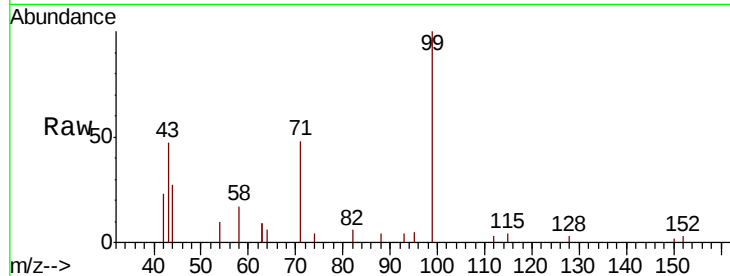
ClientSampleId :

PST-072-B156-042219

Tgt Ion:	99	Resp:	3334
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.9	22.3
71	42.9	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

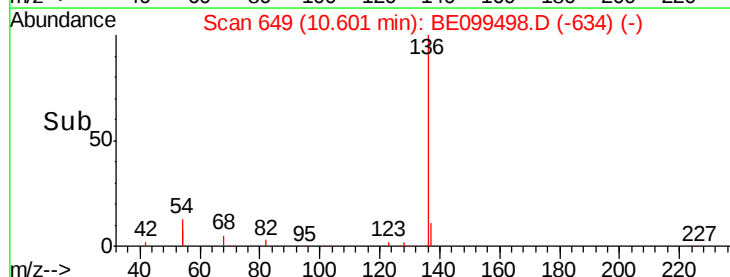
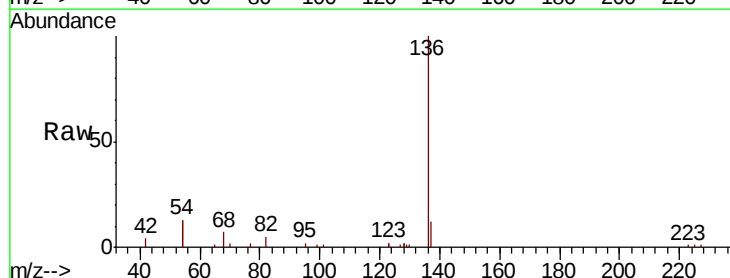
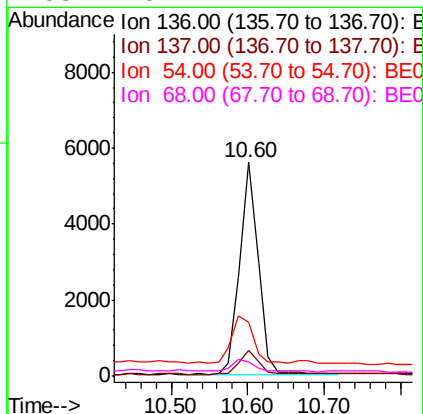
RT: 10.60 min Scan# 649

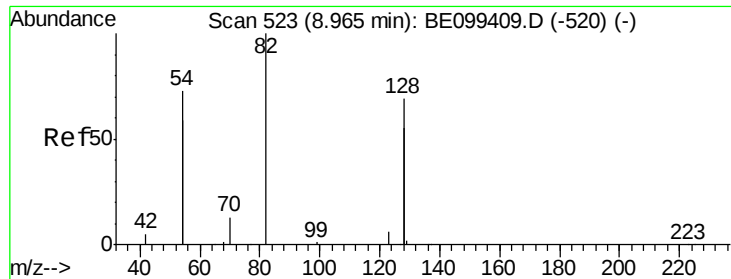
Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Tgt Ion:	136	Resp:	9365
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	25.4	18.5	27.7
68	6.7	4.7	7.1





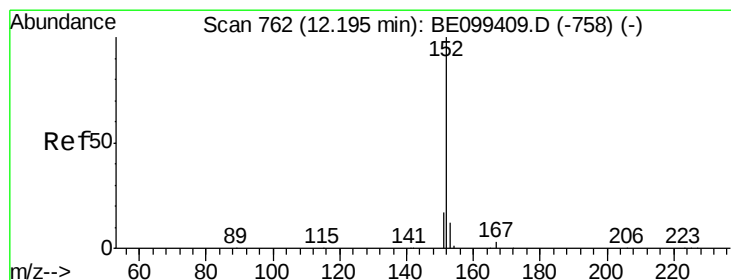
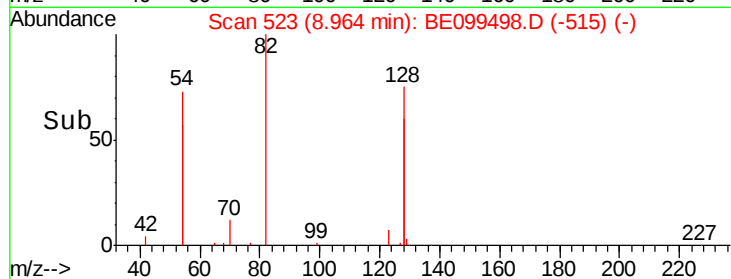
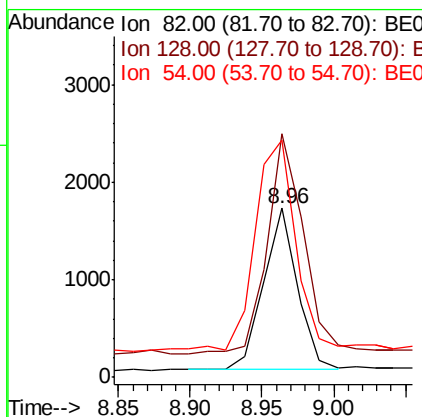
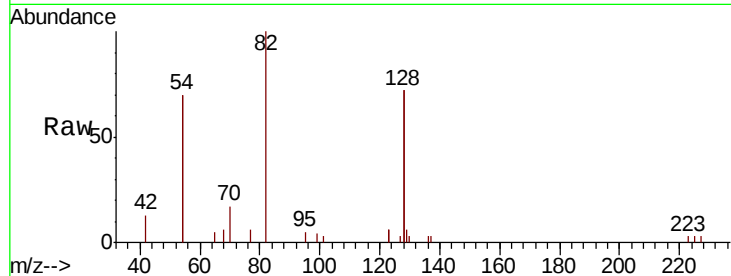
#8
 Nitrobenzene-d5
 Concen: 0.312 ng
 RT: 8.96 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BE099498.D
 Acq: 2 May 2019 18:08

Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

Tgt Ion:	82	Resp:	2735
Ion	Ratio	Lower	Upper
82	100		
128	144.0	107.0	160.4
54	140.1	113.1	169.7

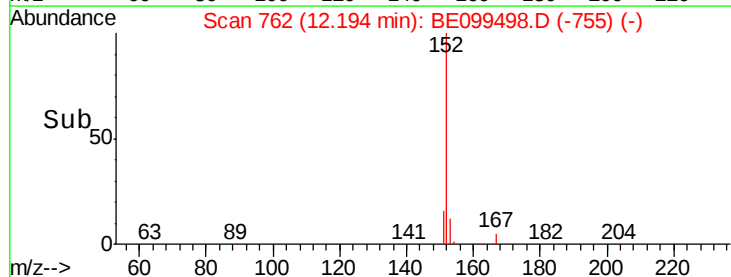
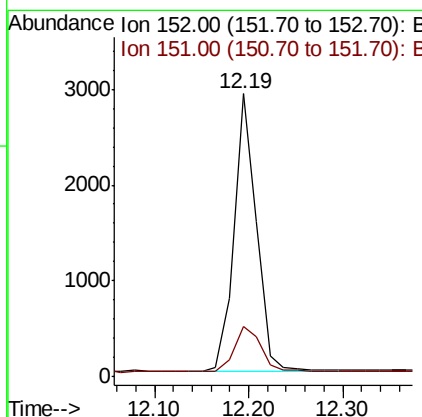
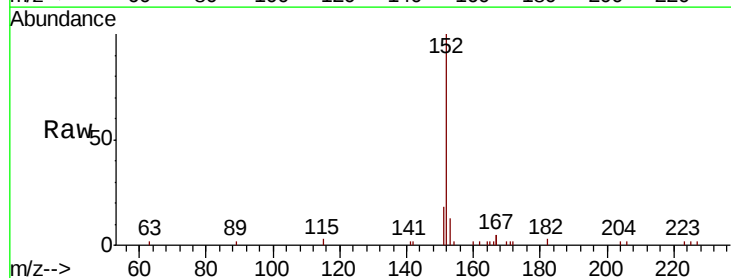
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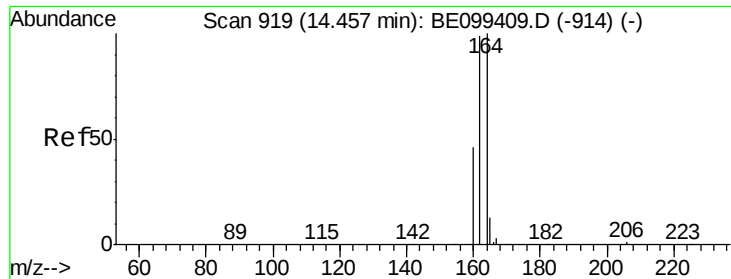
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#11
 2-Methylnaphthalene-d10
 Concen: 0.281 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099498.D
 Acq: 2 May 2019 18:08

Tgt Ion:	152	Resp:	4742
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3





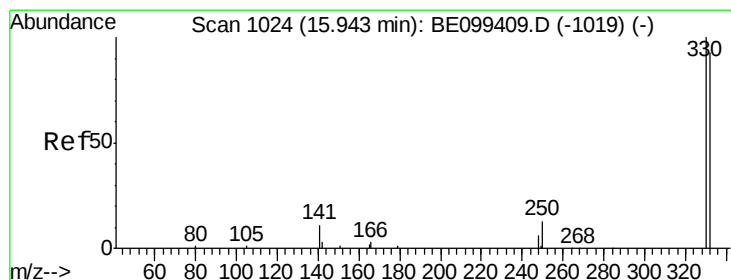
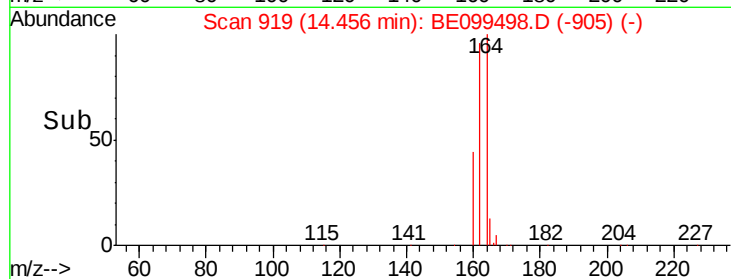
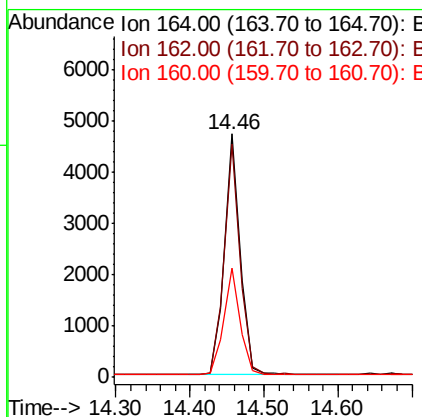
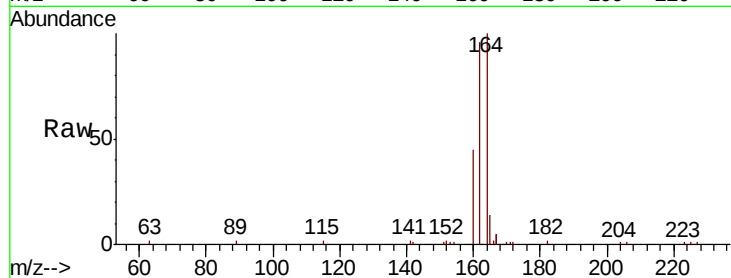
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099498.D
 Acq: 2 May 2019 18:08

Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.7	79.0	118.4
160	44.7	37.0	55.4

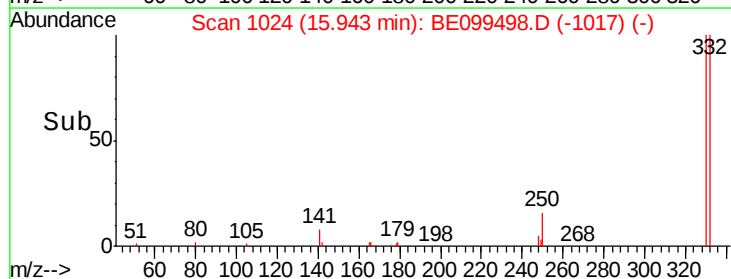
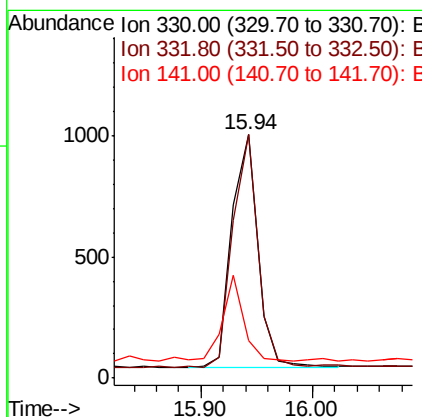
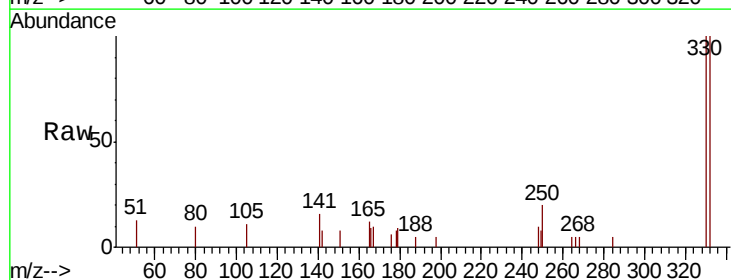
Manual Integrations
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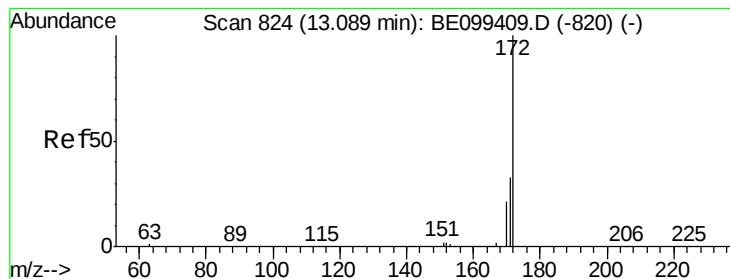
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#14
 2,4,6-Tribromophenol
 Concen: 0.355 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099498.D
 Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	71.5	107.3
141	30.7	24.0	36.0





#15

2-Fluorobiphenyl

Concen: 0.269 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Instrument :

BNA_E

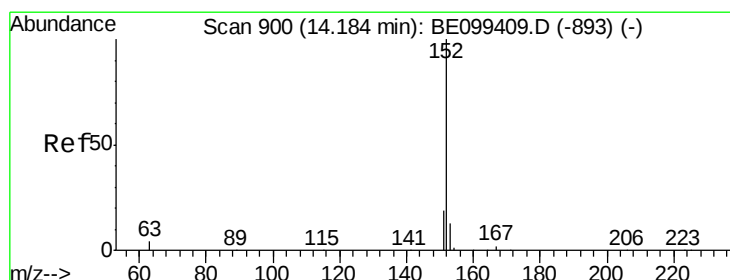
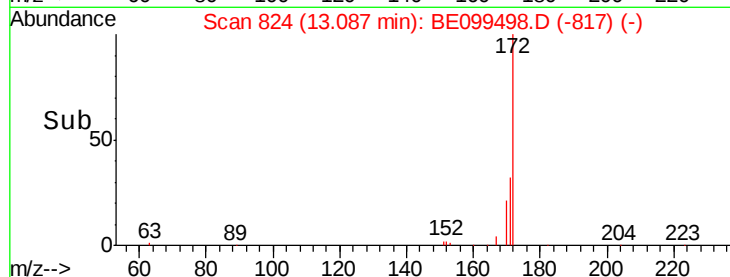
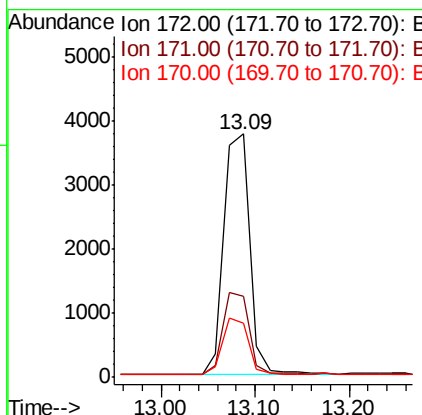
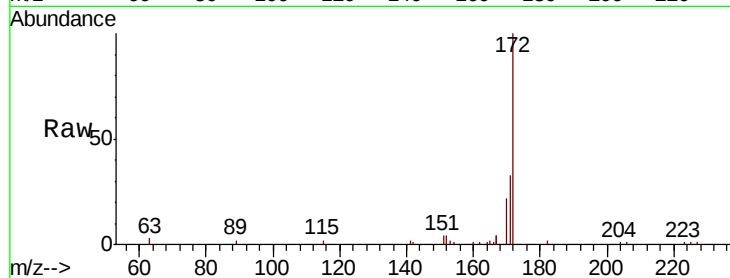
ClientSampleId :

PST-072-B156-042219

Tgt Ion:	172	Resp:	7149
Ion Ratio	Lower	Upper	
172	100		
171	33.3	26.6	39.8
170	22.3	17.0	25.6

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#16

Acenaphthylene

Concen: 0.049 ng

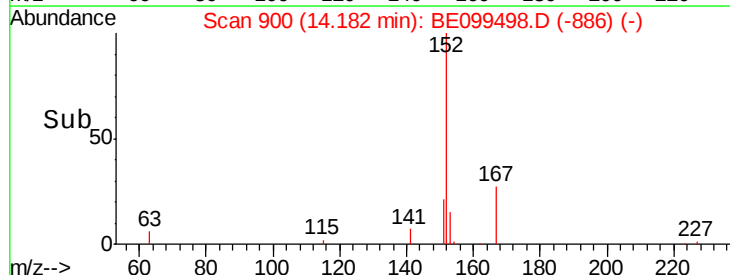
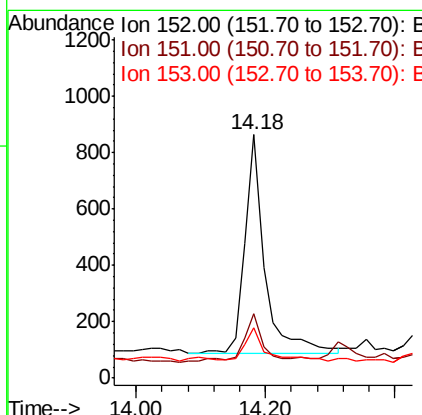
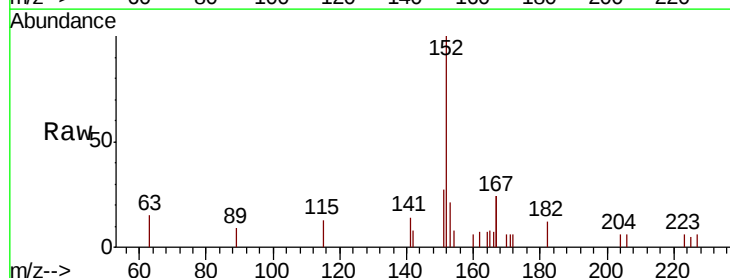
RT: 14.18 min Scan# 900

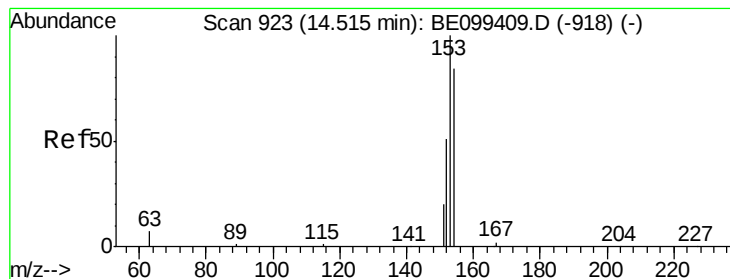
Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Tgt Ion:	152	Resp:	1682
Ion Ratio	Lower	Upper	
152	100		
151	23.2	15.4	23.2#
153	14.9	9.8	14.6#





#17

Acenaphthene

Concen: 0.020 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Instrument :

BNA_E

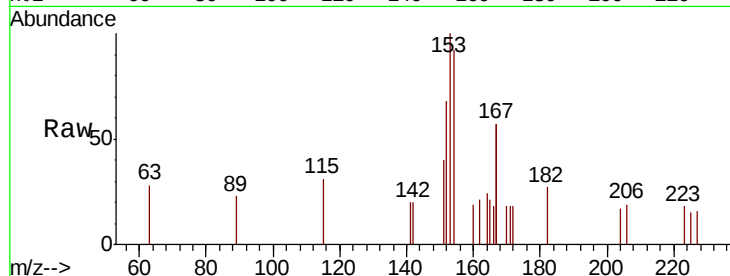
ClientSampleId :

PST-072-B156-042219

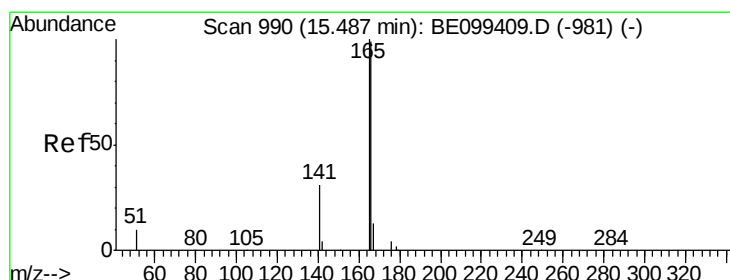
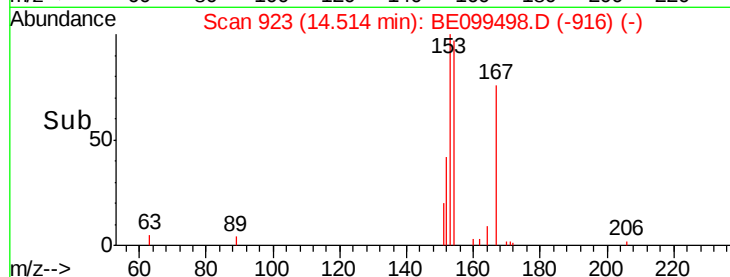
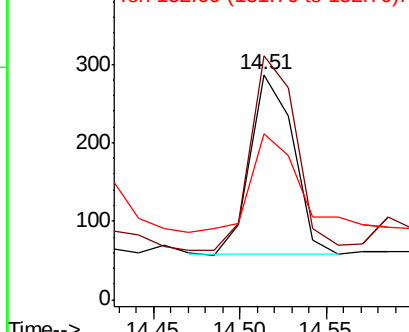
Tgt Ion:	154	Resp:	398
Ion Ratio	Lower	Upper	
154	100		
153	113.6	92.6	138.8
152	60.6	45.8	68.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.032 ng

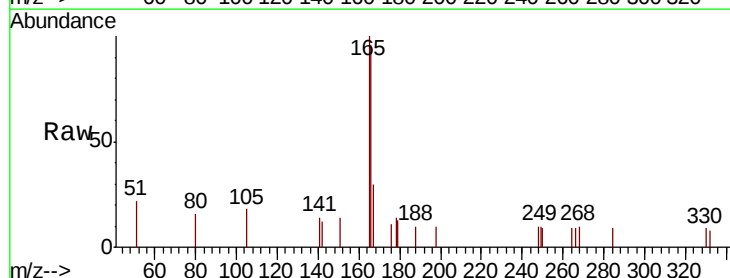
RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

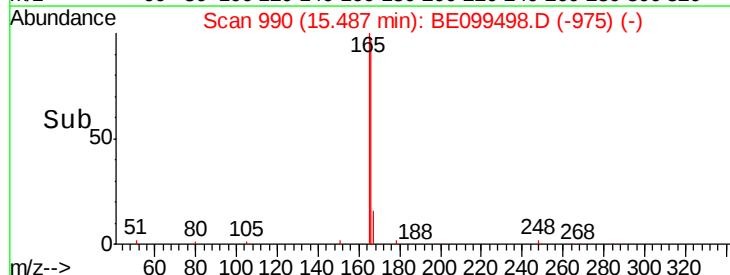
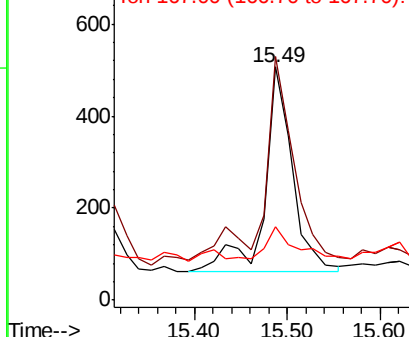
Lab File: BE099498.D

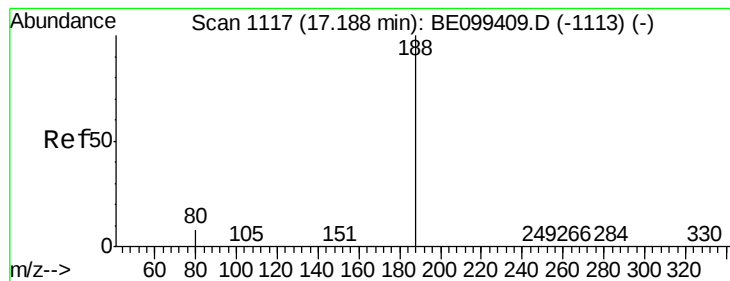
Acq: 2 May 2019 18:08

Tgt Ion:	166	Resp:	932
Ion Ratio	Lower	Upper	
166	100		
165	88.5	80.3	120.5
167	17.8	10.7	16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Instrument :

BNA_E

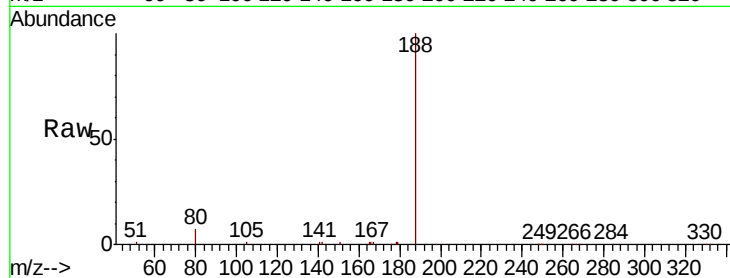
ClientSampleId :

PST-072-B156-042219

Tgt Ion:	188	Resp:	21357
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.4	6.7	10.1

Manual Integrations
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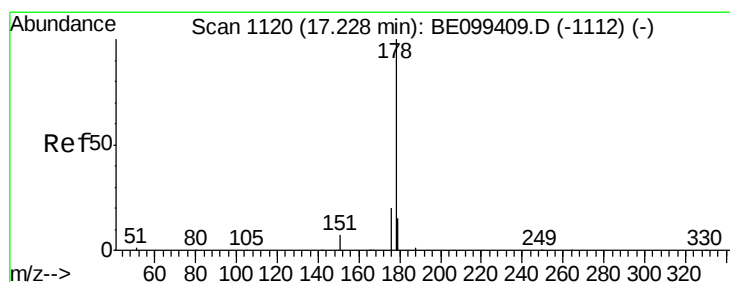
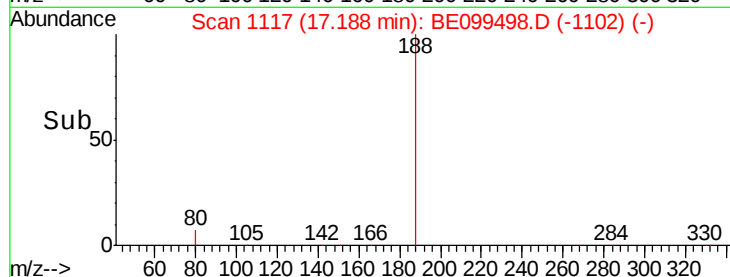
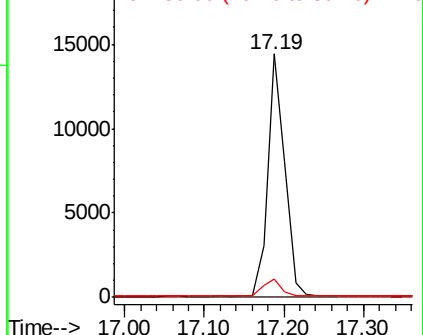
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 0.354 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099498.D

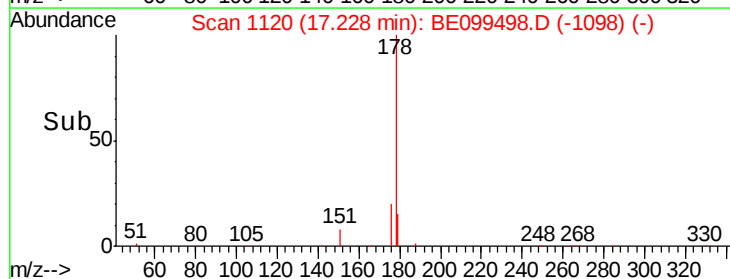
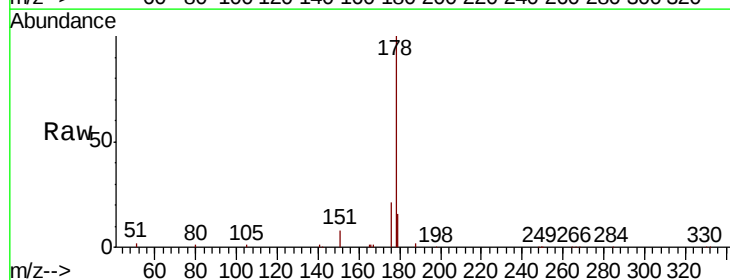
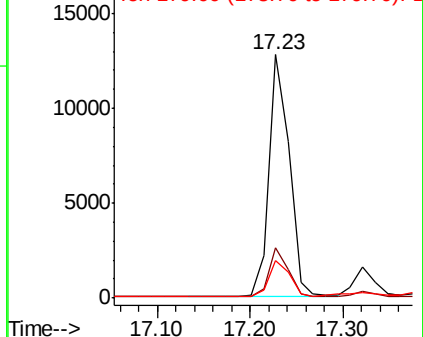
Acq: 2 May 2019 18:08

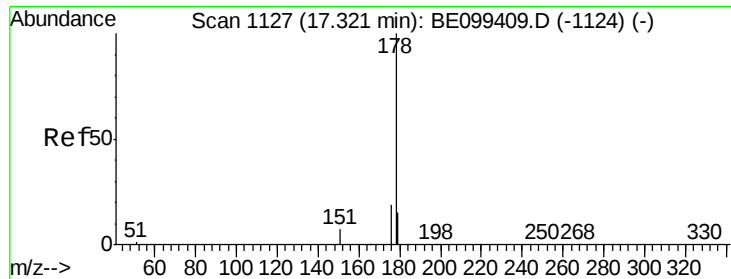
Tgt Ion:	178	Resp:	19529
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.5	12.0	18.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.039 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Instrument :

BNA_E

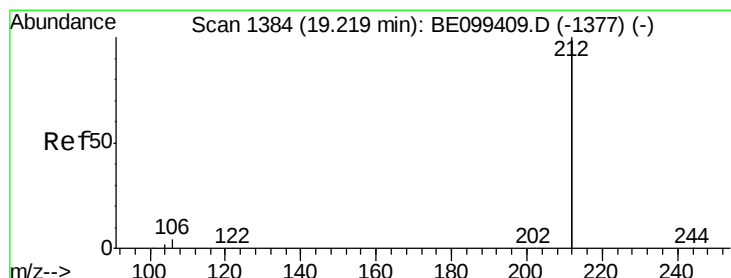
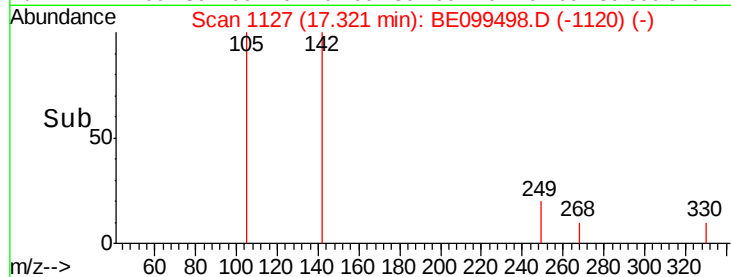
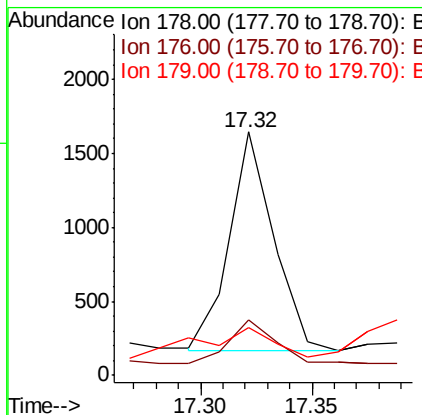
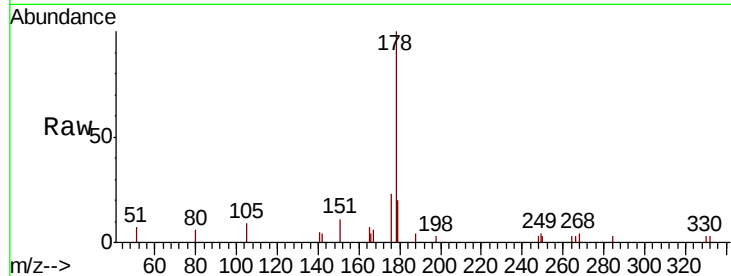
ClientSampleId :

PST-072-B156-042219

Tgt Ion:	178	Resp:	2070
Ion Ratio	Lower	Upper	
178	100		
176	21.0	14.9	22.3
179	22.8	11.9	17.9

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.284 ng

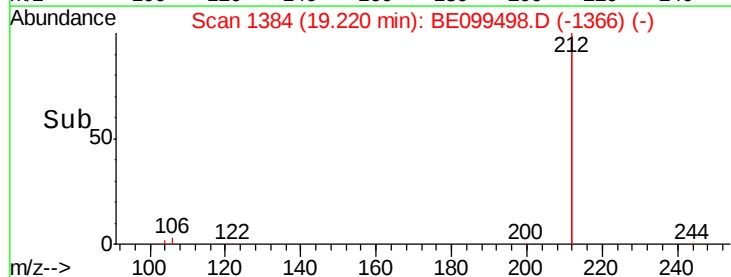
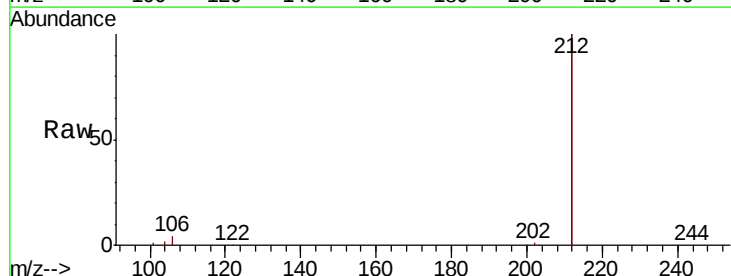
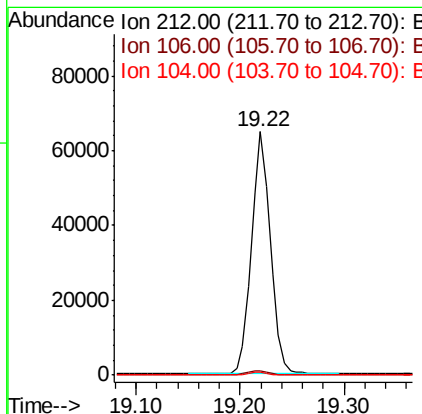
RT: 19.22 min Scan# 1384

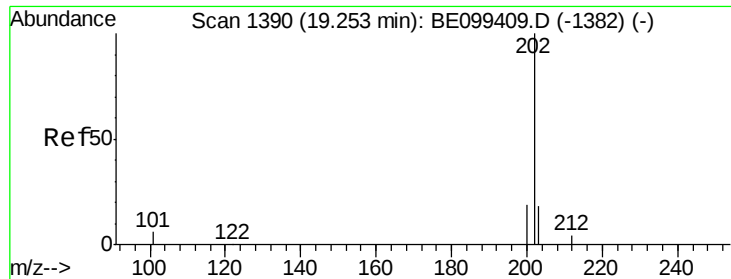
Delta R.T. 0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Tgt Ion:	212	Resp:	81631
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.0	0.9	1.3





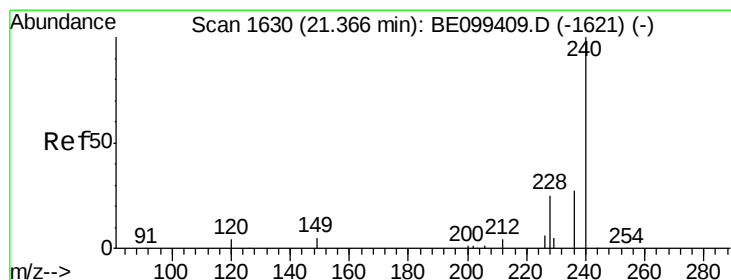
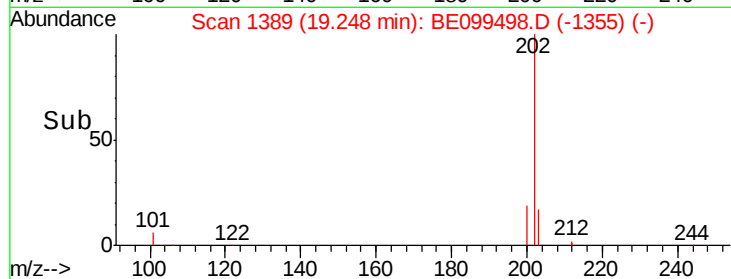
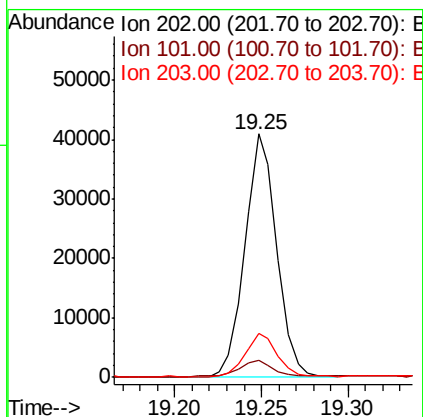
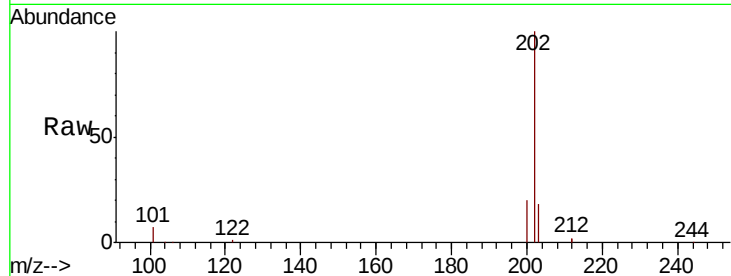
#26
Fluoranthene
Concen: 0.630 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	52026		
101	6.8		5.4	8.0
203	17.5		13.9	20.9

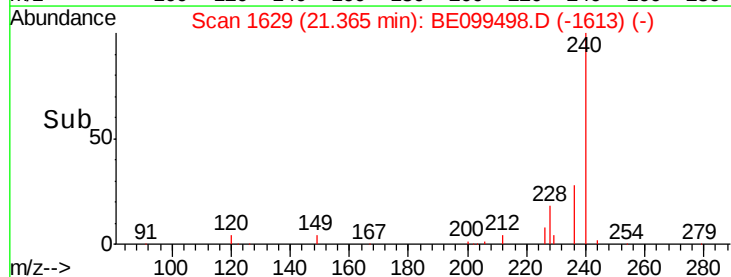
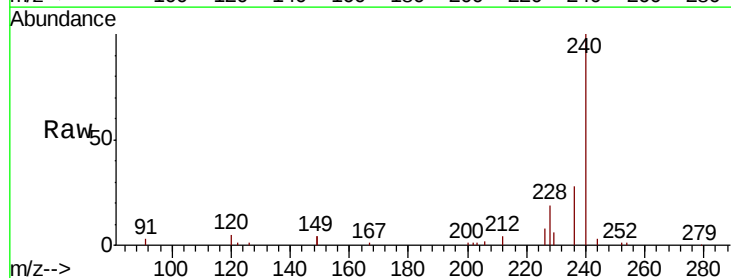
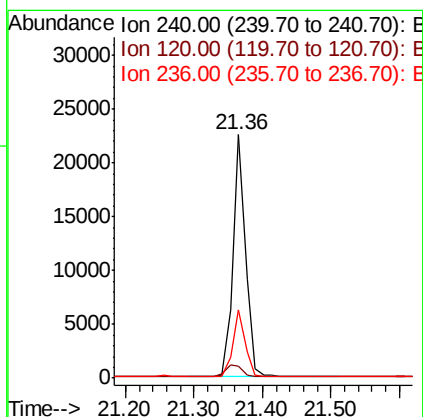
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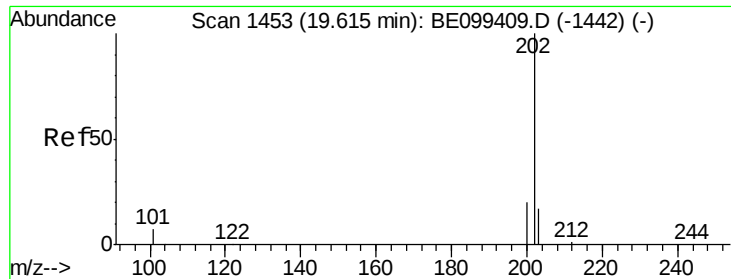
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	28717		
120	4.9		4.0	6.0
236	28.2		22.0	33.0





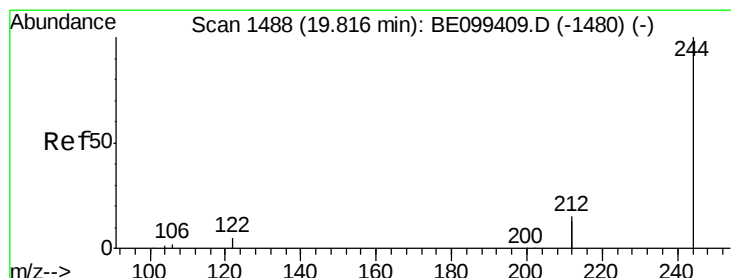
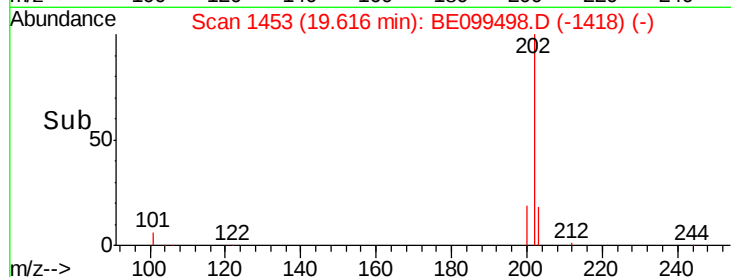
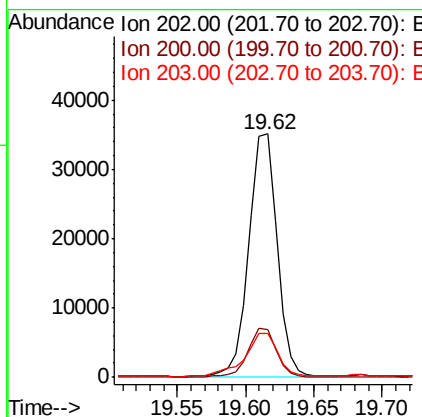
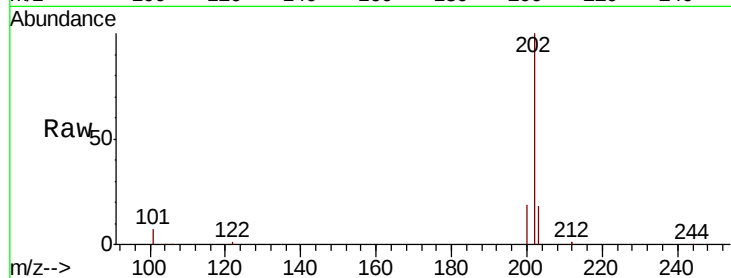
#28
Pyrene
Concen: 0.666 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	20.8	13.9	20.9

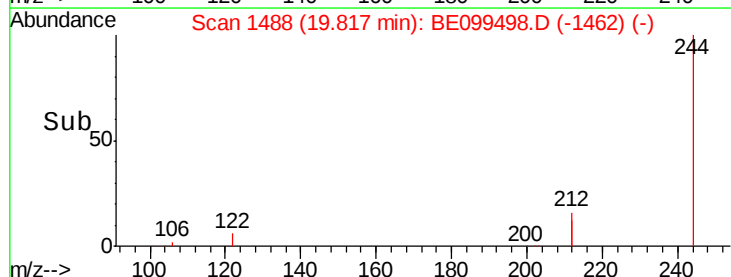
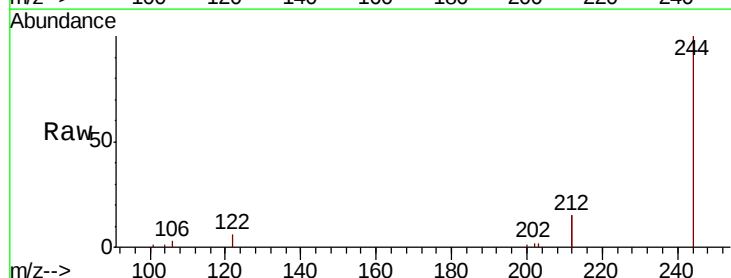
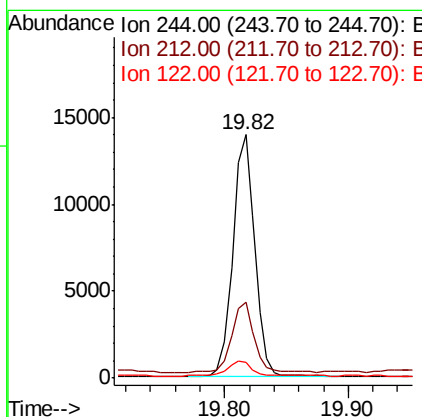
Manual Integrations
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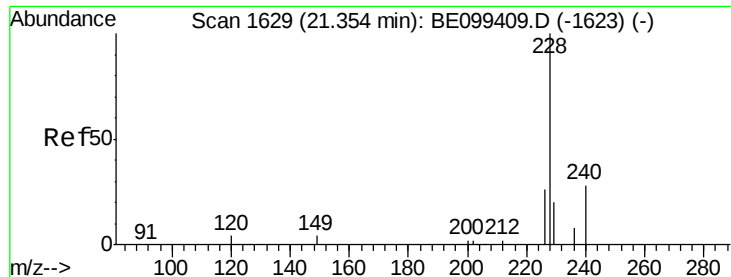
Sohil
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#29
Terphenyl-d14
Concen: 0.324 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.0	23.2	34.8
122	6.4	4.2	6.4#





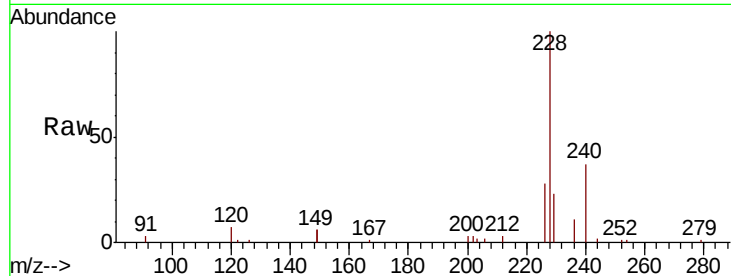
#30
Benzo(a)anthracene
Concen: 0.287 ng
RT: 21.35 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

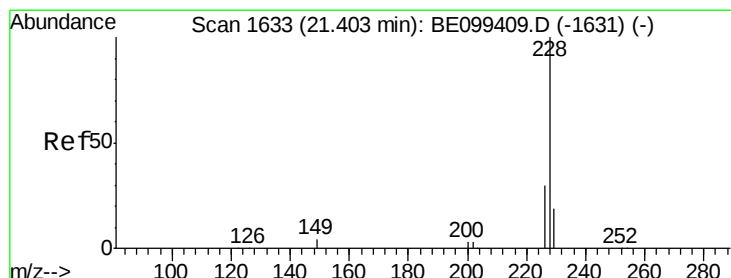
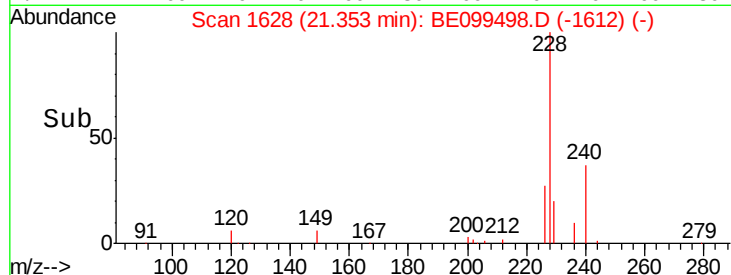
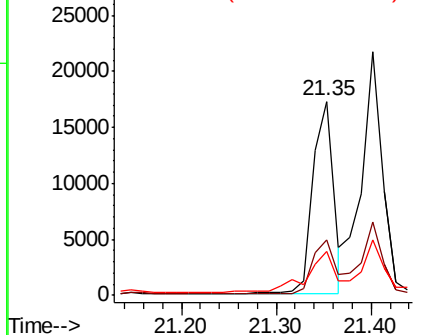
Tgt Ion:228 Resp: 26294
Ion Ratio Lower Upper
228 100
226 28.4 21.0 31.6
229 22.5 16.6 25.0

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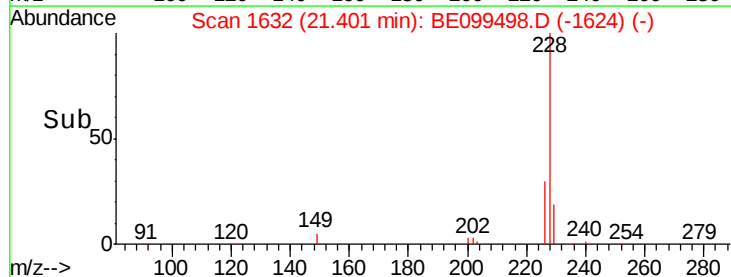
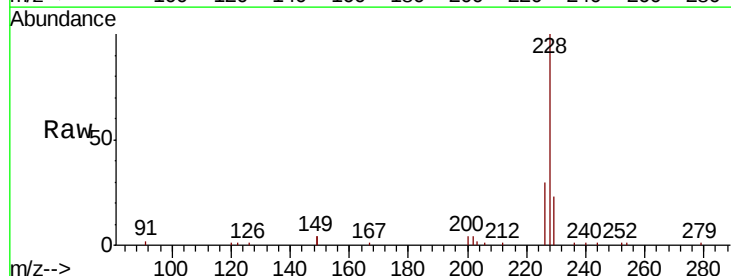
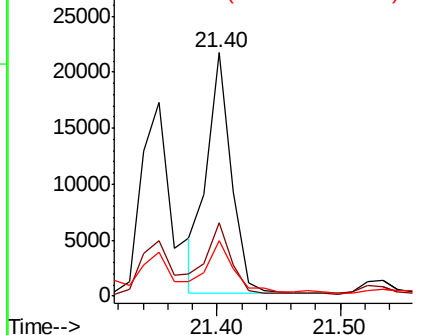
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

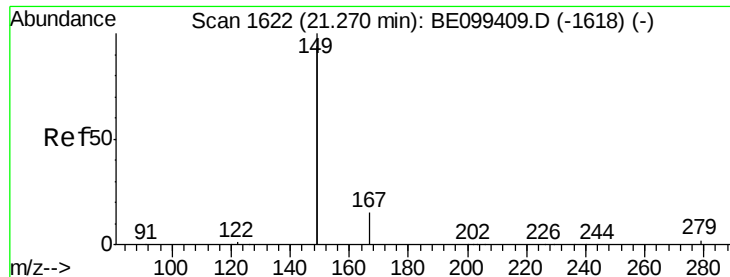


#31
Chrysene
Concen: 0.331 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Tgt Ion:228 Resp: 29634
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 22.6 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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.117 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

Instrument :

BNA_E

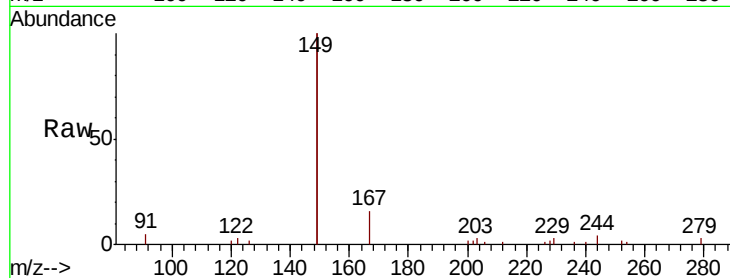
ClientSampleId :

PST-072-B156-042219

Tgt Ion:	149	Resp:	24400
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.6
279	1.4	1.0	1.6

Manual Integrations
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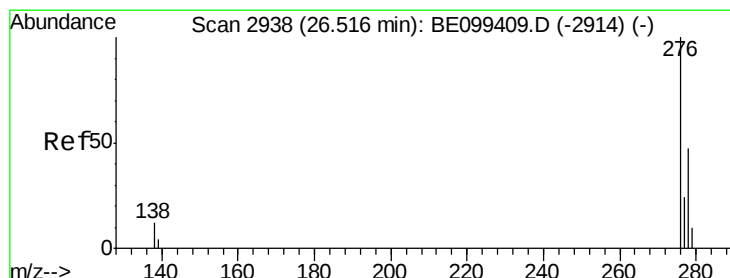
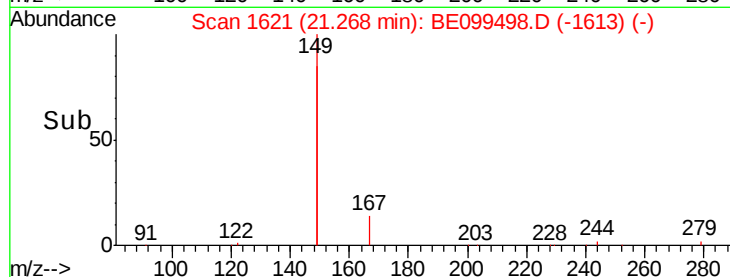
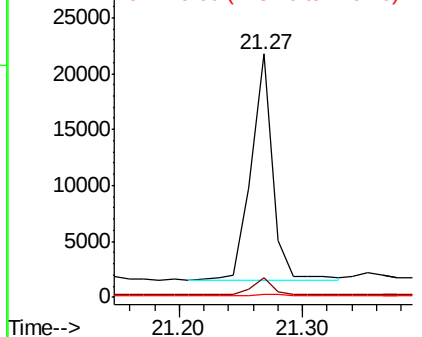


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.189 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BE099498.D

Acq: 2 May 2019 18:08

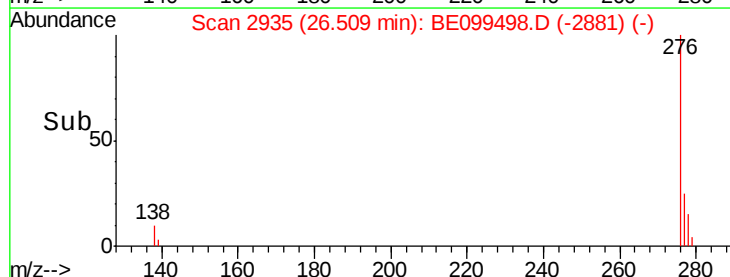
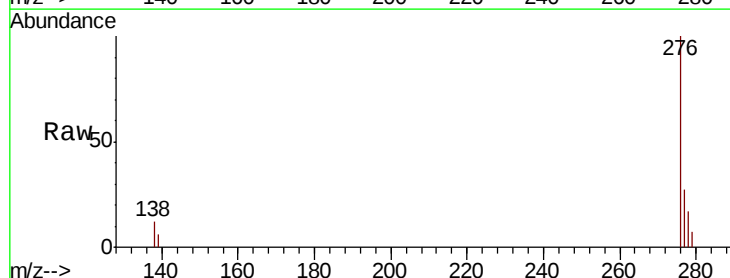
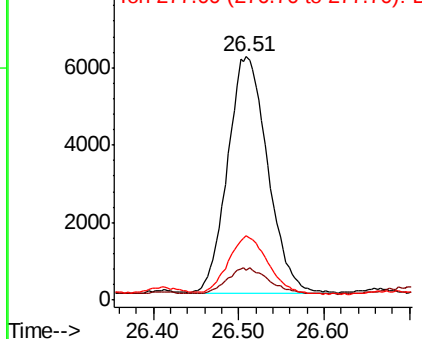
Tgt Ion:	276	Resp:	20027
Ion Ratio	Lower	Upper	
276	100		
138	11.1	10.2	15.2
277	23.5	19.2	28.8

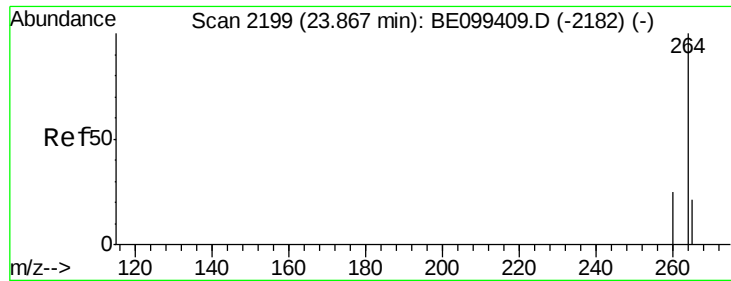
Abundance

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





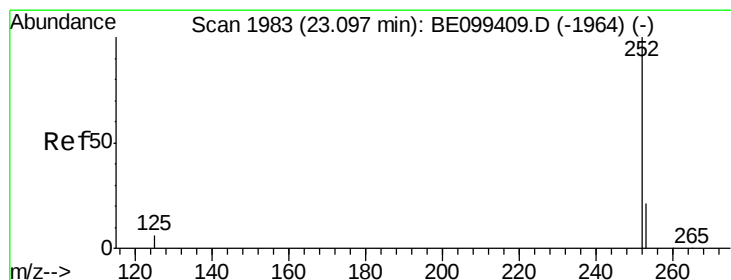
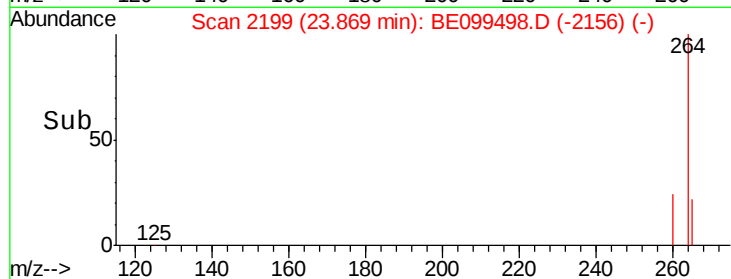
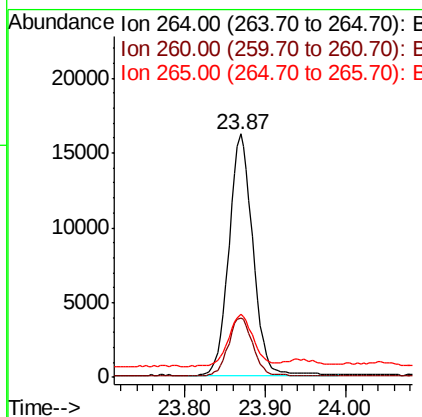
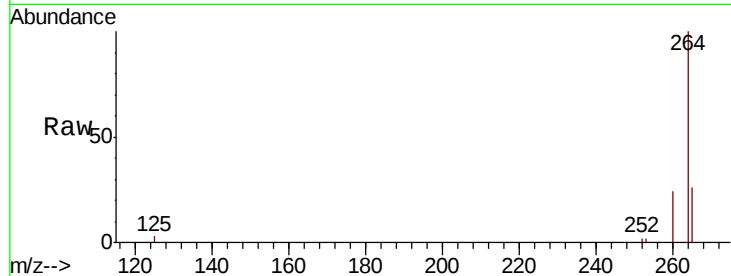
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: BE099498.D
 Acq: 2 May 2019 18:08

Instrument :
 BNA_E
 ClientSampleId :
 PST-072-B156-042219

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	33250		
260	24.5	20.2	30.2	
265	25.7	21.3	31.9	

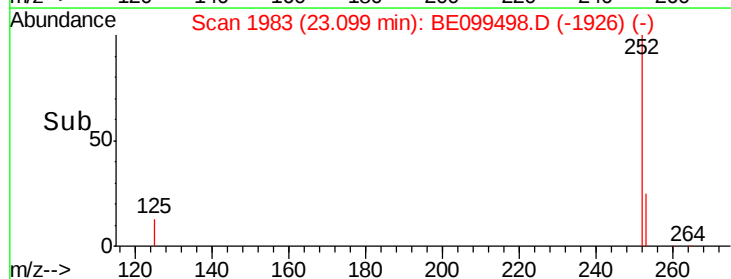
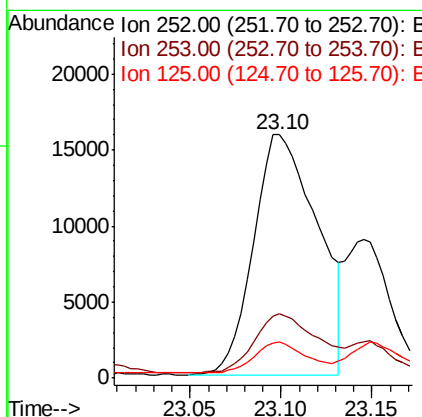
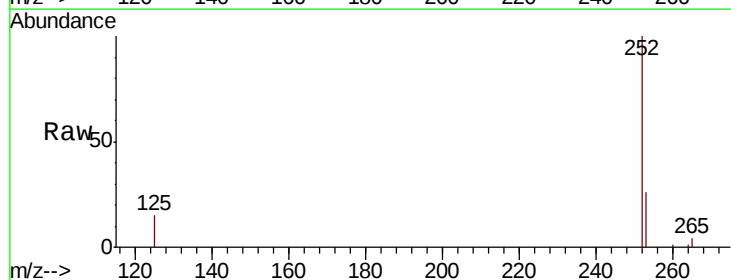
Manual Integrations
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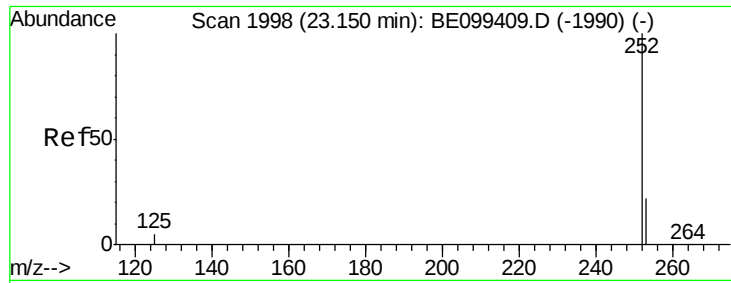
Sohil
 5/3/2019 4:23:18 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.402 ng
 RT: 23.10 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: BE099498.D
 Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	38562		
253	26.3	18.1	27.1	
125	15.0	5.6	8.4	





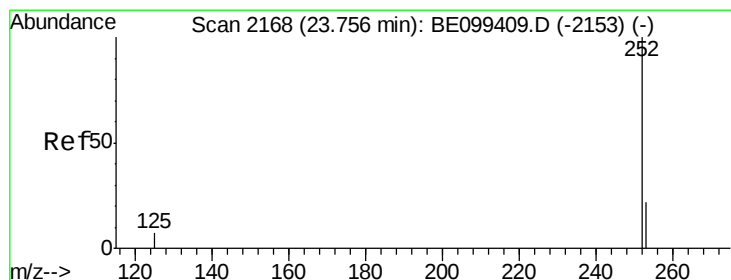
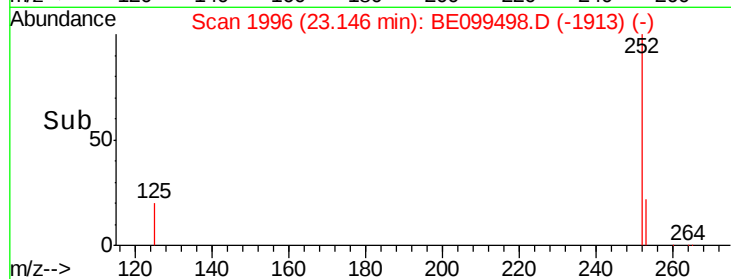
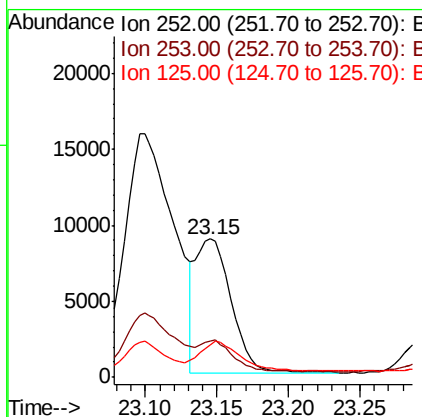
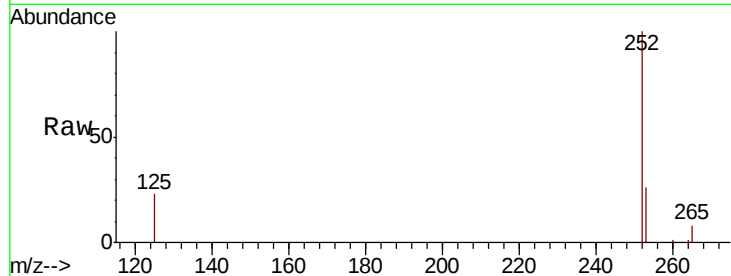
#36
Benzo(k)fluoranthene
Concen: 0.165 ng m
RT: 23.15 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	23.2	5.0	7.4#

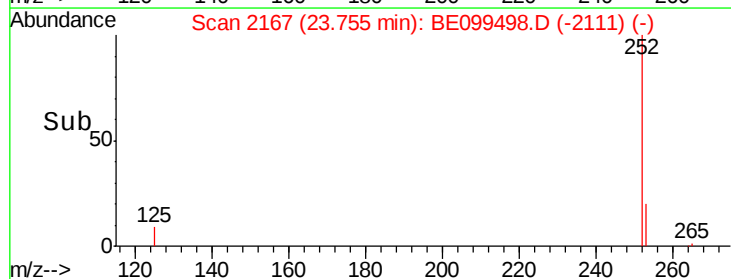
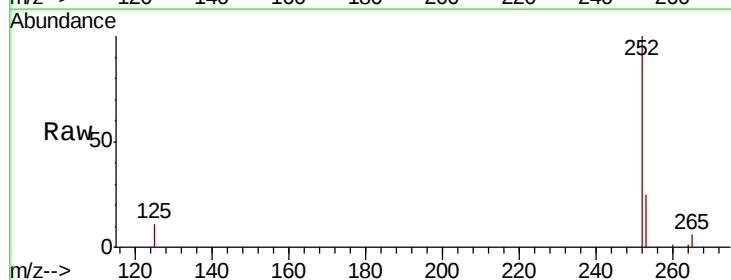
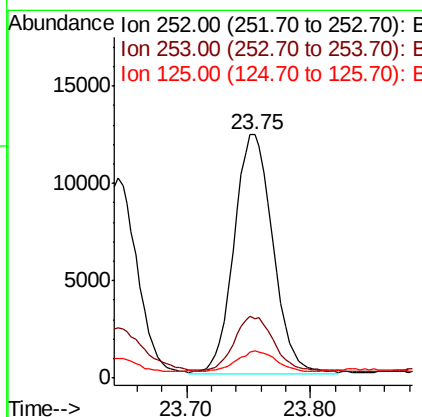
Manual Integrations
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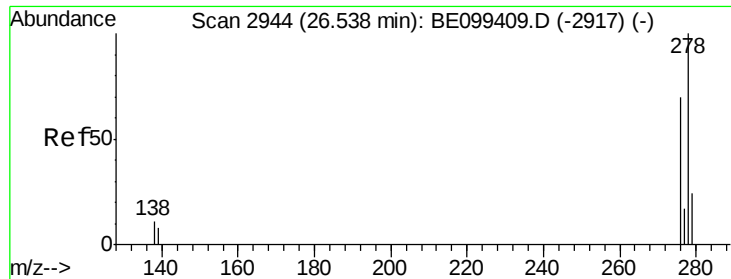
Sohil
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#37
Benzo(a)pyrene
Concen: 0.298 ng m
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.9	28.3
125	11.2	6.7	10.1#





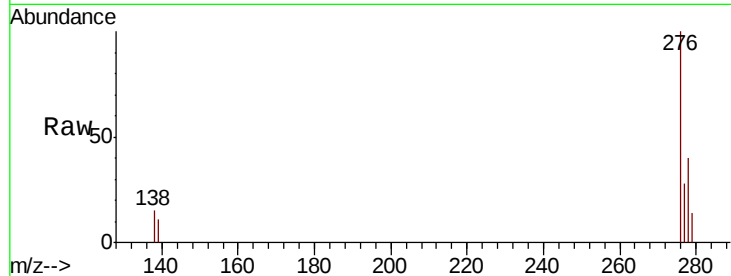
#38
Dibenzo(a,h)anthracene
Concen: 0.052 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Instrument :
BNA_E
ClientSampleId :
PST-072-B156-042219

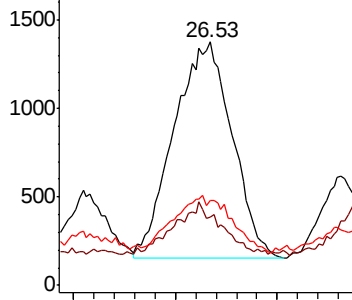
Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.1	7.7	11.5#
279	35.0	20.2	30.2#

Manual Integrations
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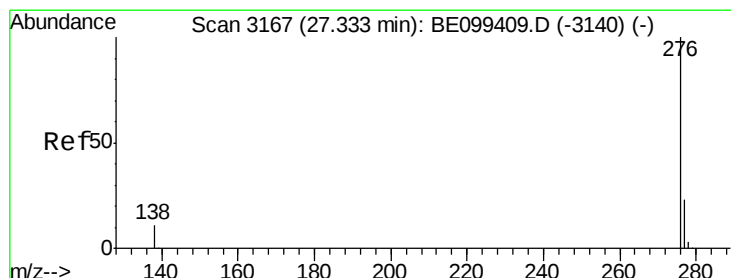
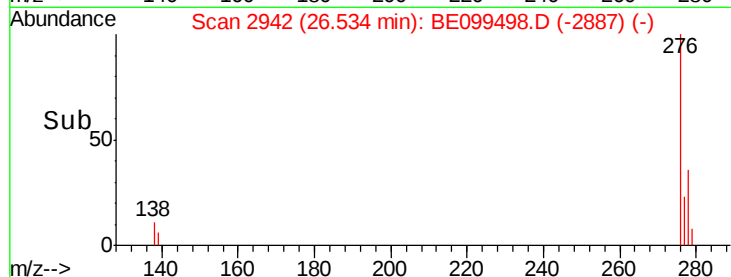
Sohil
5/3/2019 4:23:18 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



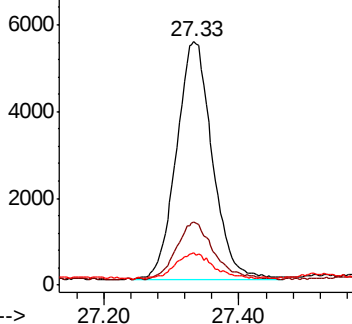
Time-->



#39
Benzo(g,h,i)perylene
Concen: 0.218 ng
RT: 27.33 min Scan# 3166
Delta R.T. 0.00 min
Lab File: BE099498.D
Acq: 2 May 2019 18:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.5	29.3
138	13.1	9.6	14.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E



Time-->

