

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099477.D
 Acq On : 1 May 2019 23:46
 Operator : JU/SJ
 Sample : K2533-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

Manual Integrations
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Sohil
 5/2/2019 4:47:50 PM

Quant Time: May 02 08:40:35 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	2223	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8133	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6506	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	21861	0.40	ng	0.00
27) Chrysene-d12	21.37	240	27417	0.40	ng	0.00
34) Perylene-d12	23.86	264	31876	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2470	0.40	ng	0.00
5) Phenol-d6	6.96	99	3589	0.44	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2925	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5622	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1880	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	8317	0.34	ng	-0.02
25) Fluoranthene-d10	19.22	212	105641	0.36	ng	0.00
29) Terphenyl-d14	19.81	244	22257	0.44	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2419	0.027	ng	# 92
16) Acenaphthylene	14.18	152	3640	0.114	ng	97
18) Fluorene	15.49	166	920	0.034	ng	# 88
23) Phenanthrene	17.23	178	33890	0.601	ng	100
24) Anthracene	17.32	178	2884	0.054	ng	# 94
26) Fluoranthene	19.25	202	78980	0.935	ng	100
28) Pyrene	19.61	202	84678	1.185	ng	97
30) Benzo(a)anthracene	21.34	228	45550	0.521	ng	97
31) Chrysene	21.40	228	55521	0.650	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	53516	0.363	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	32112	0.318	ng	98
35) Benzo(b)fluoranthene	23.09	252	64578	0.703	ng	# 96
36) Benzo(k)fluoranthene	23.14	252	23588m	0.266	ng	
37) Benzo(a)pyrene	23.75	252	43067	0.496	ng	99
38) Dibenzo(a,h)anthracene	26.52	278	7954	0.089	ng	# 83
39) Benzo(g,h,i)perylene	27.32	276	32346	0.363	ng	98

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

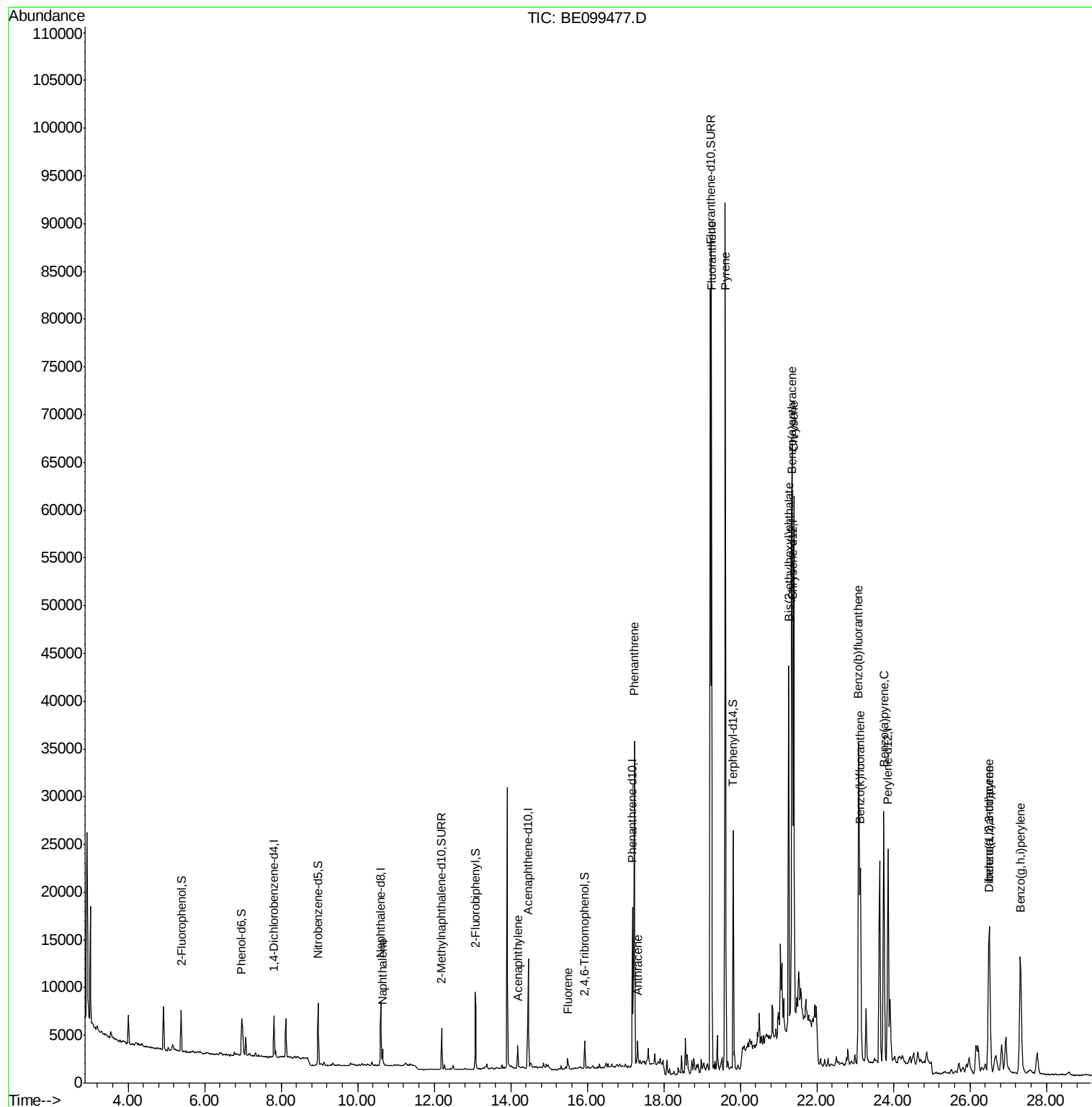
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
Data File : BE099477.D
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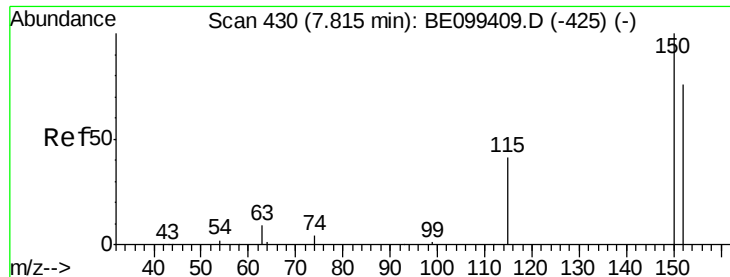
Instrument :
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ClientSampleId :
PST-027-B109-042219

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Quant Time: May 02 08:40:35 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





#1

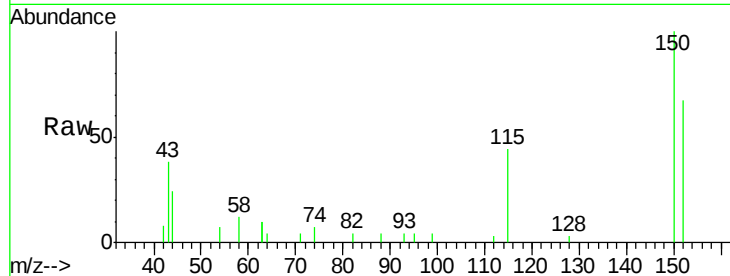
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.0	104.8	157.2
115	66.3	46.6	69.8

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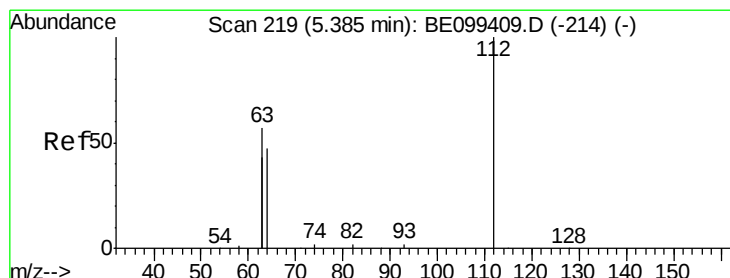
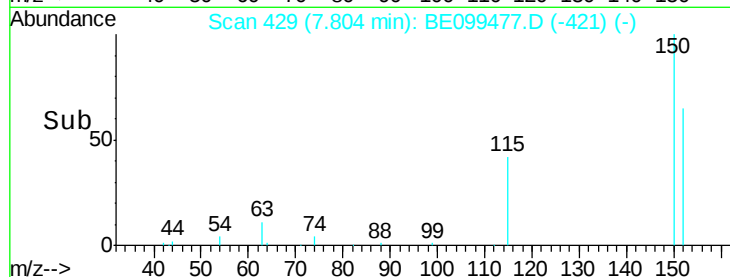
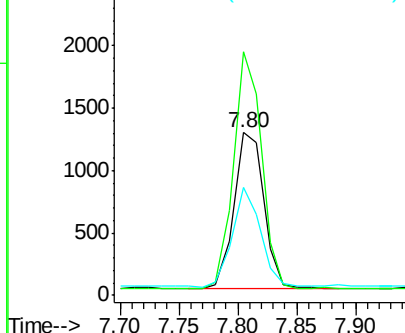


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

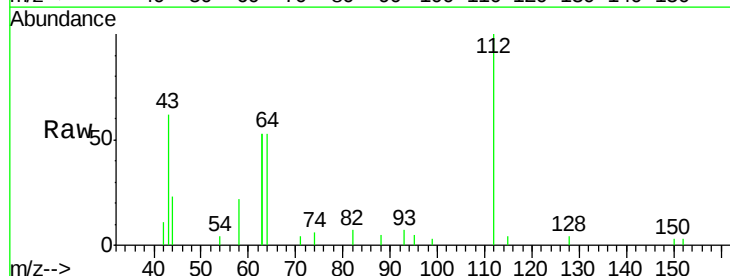
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.402 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.4	71.0
63	128.0	104.3	156.5

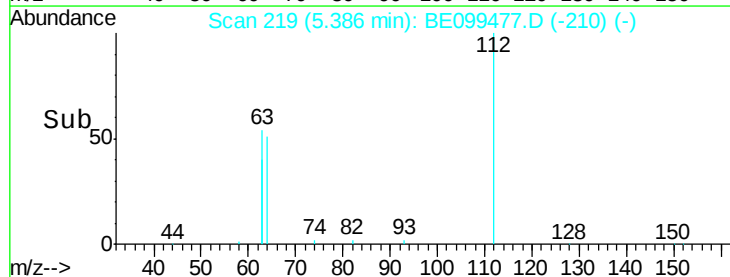
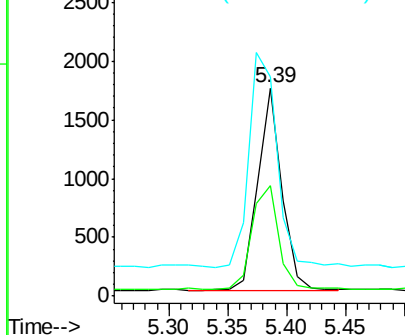


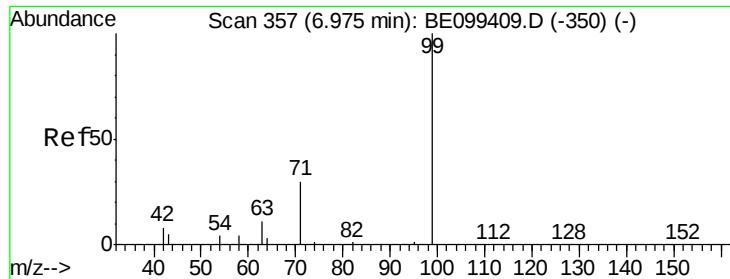
Abundance

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: 0.439 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

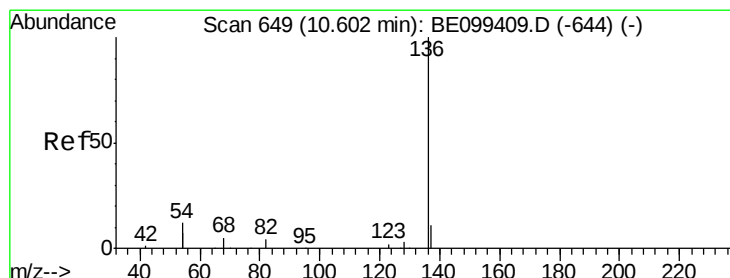
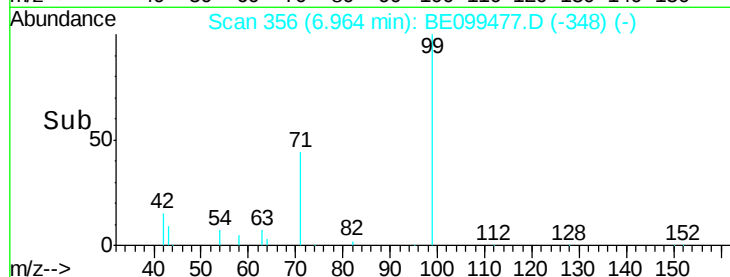
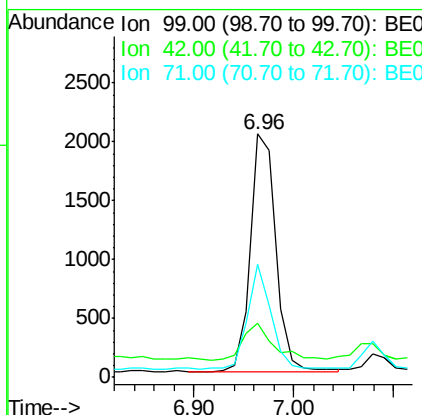
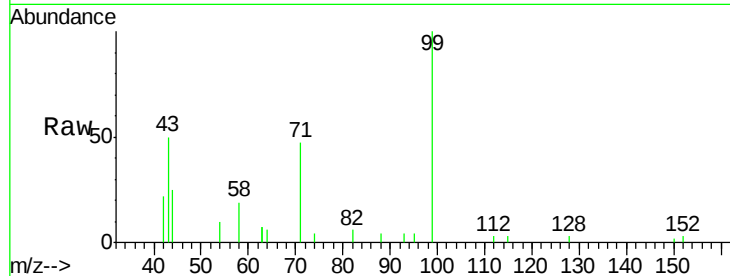
ClientSampleId :

PST-027-B109-042219

Tgt Ion:	99	Resp:	3589
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.9	22.3
71	39.9	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

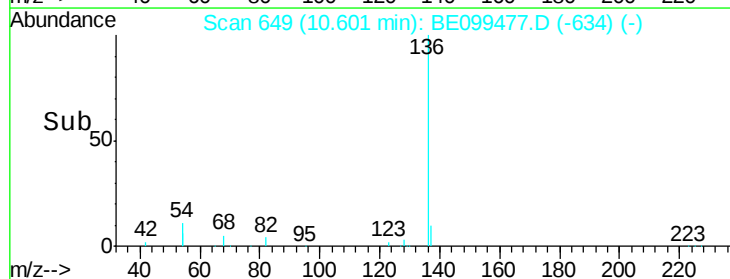
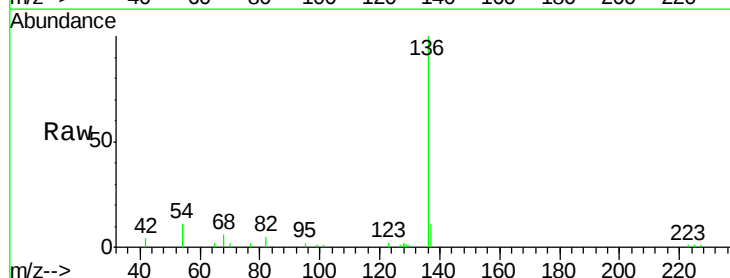
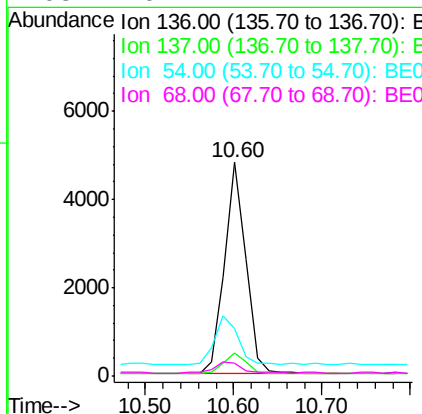
RT: 10.60 min Scan# 649

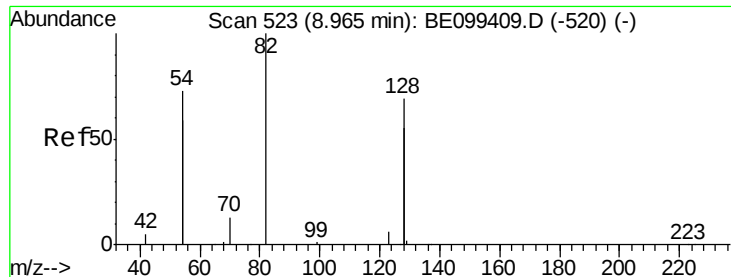
Delta R.T. -0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	136	Resp:	8133
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	22.2	18.5	27.7
68	6.1	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.384 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

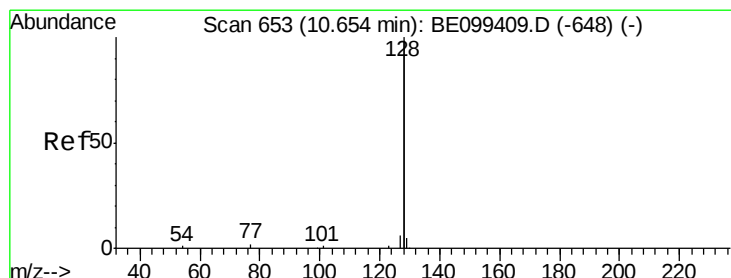
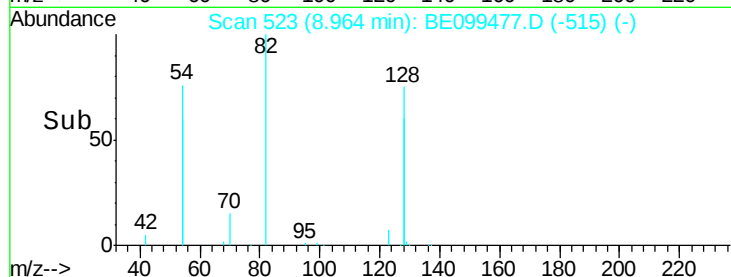
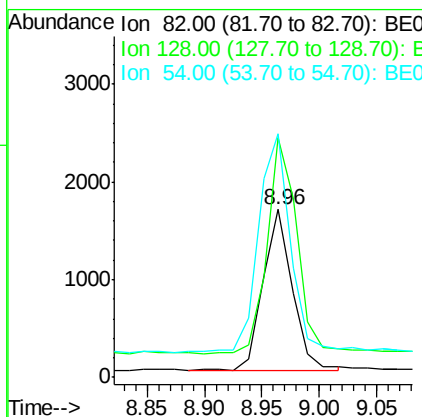
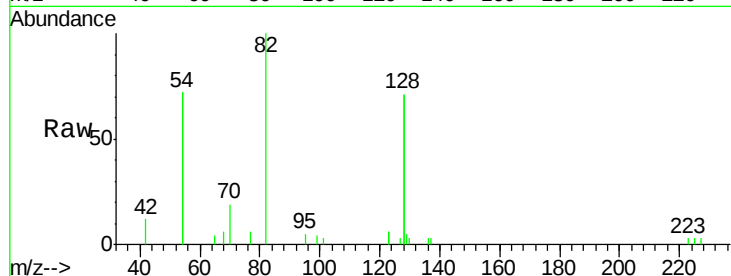
ClientSampleId :

PST-027-B109-042219

Tgt Ion:	82	Resp:	2925
Ion Ratio	Lower	Upper	
82	100		
128	142.9	107.0	160.4
54	145.0	113.1	169.7

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#9

Naphthalene

Concen: 0.027 ng

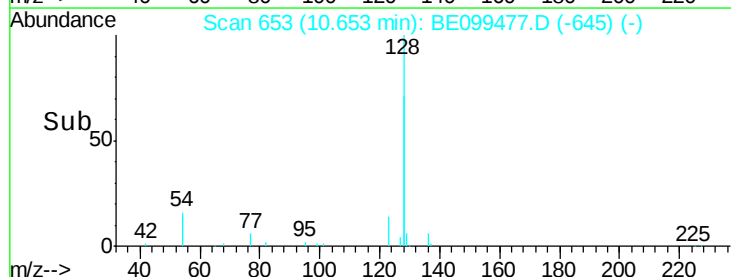
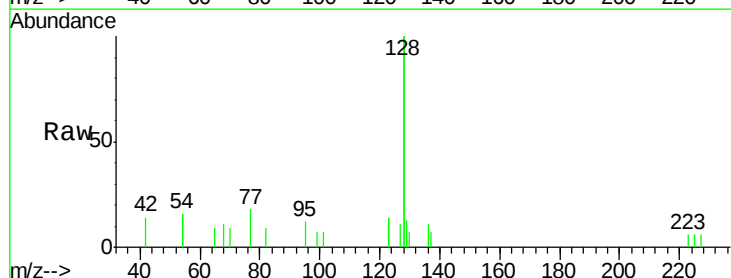
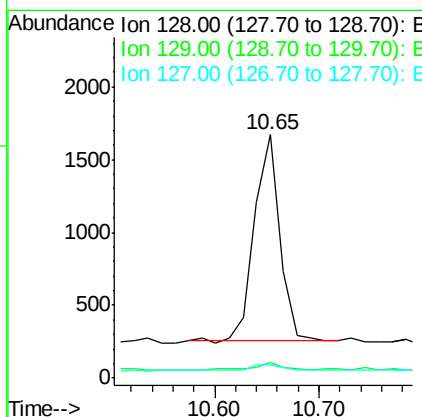
RT: 10.65 min Scan# 653

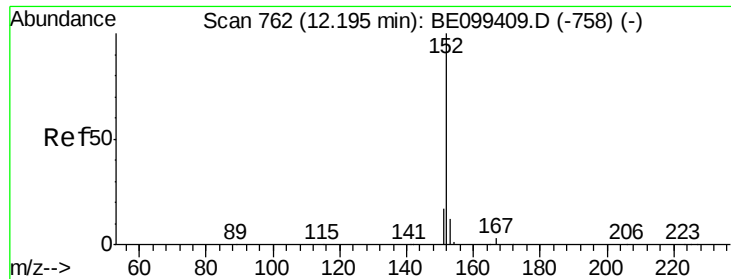
Delta R.T. -0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	128	Resp:	2419
Ion Ratio	Lower	Upper	
128	100		
129	6.5	2.4	3.6#
127	5.4	2.8	4.2#





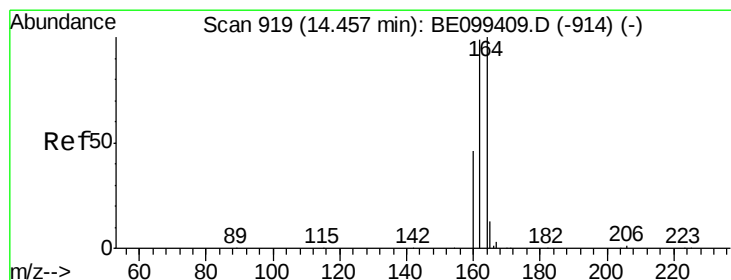
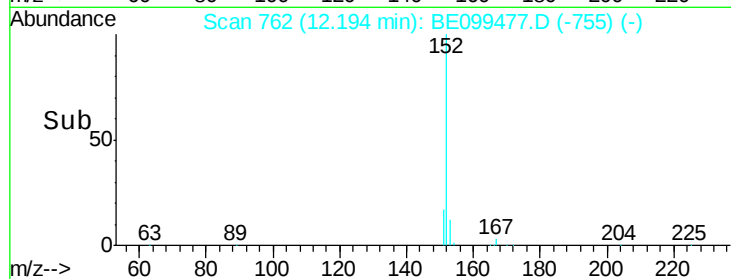
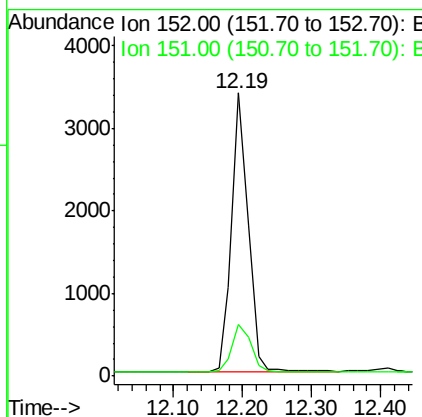
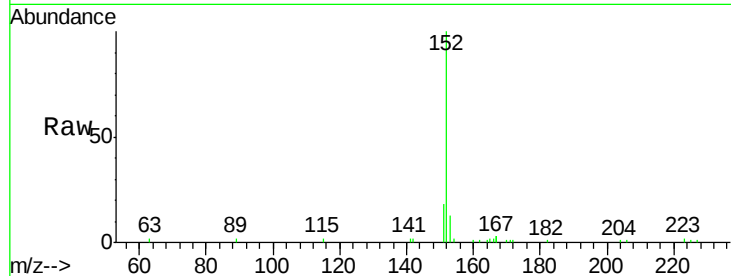
#11
 2-Methylnaphthalene-d10
 Concen: 0.384 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

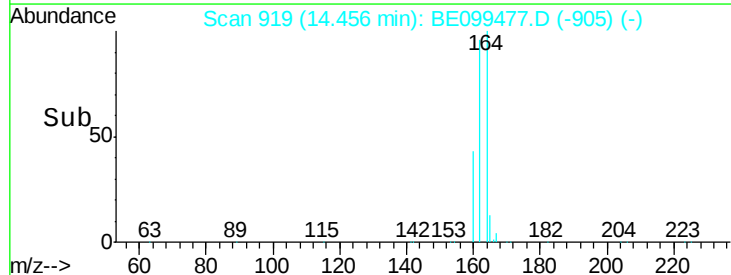
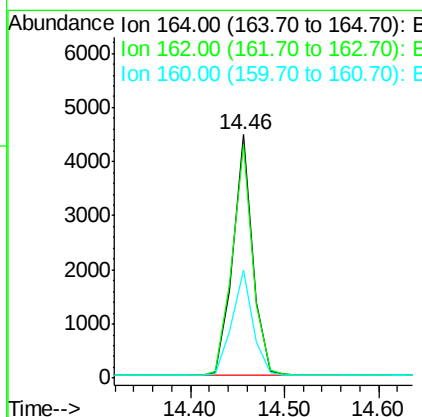
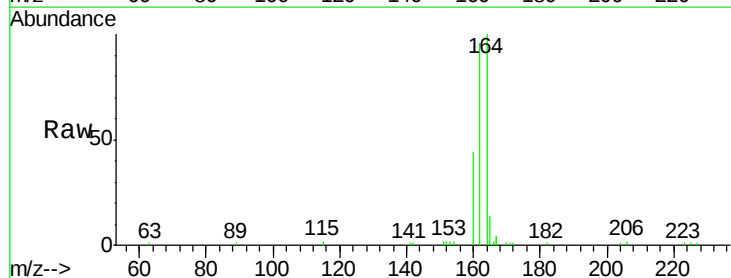
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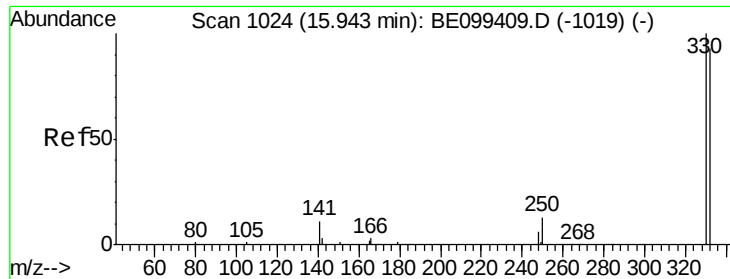
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.6	79.0	118.4
160	44.1	37.0	55.4





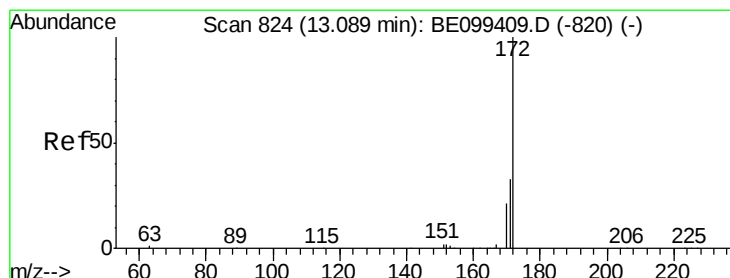
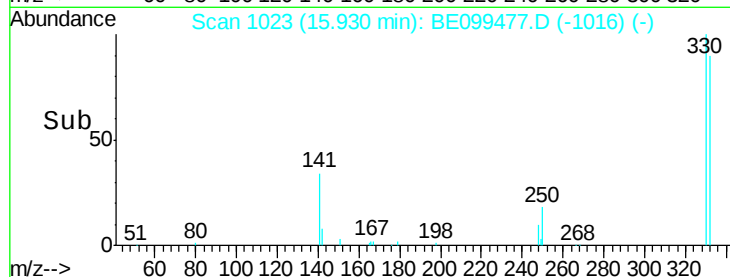
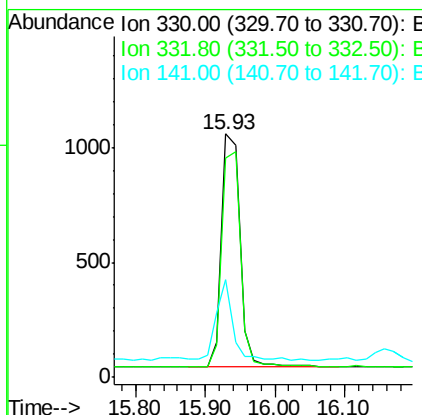
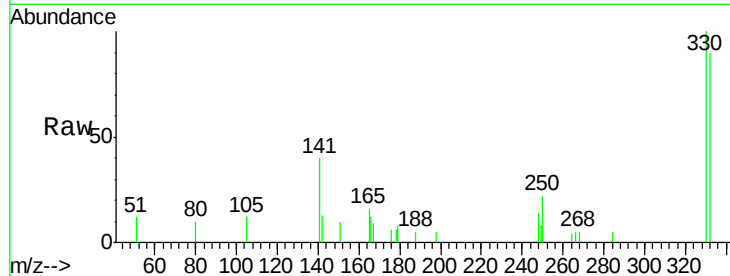
#14
 2,4,6-Tribromophenol
 Concen: 0.459 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1880		
332	92.8	71.5	107.3	
141	31.3	24.0	36.0	

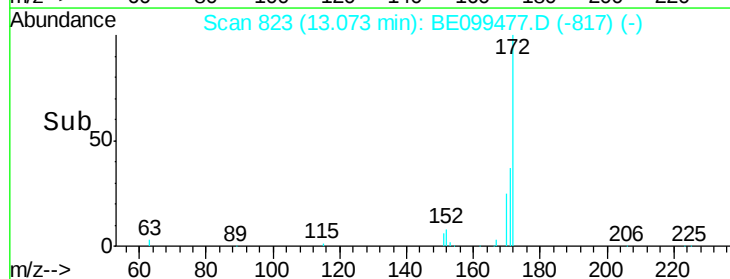
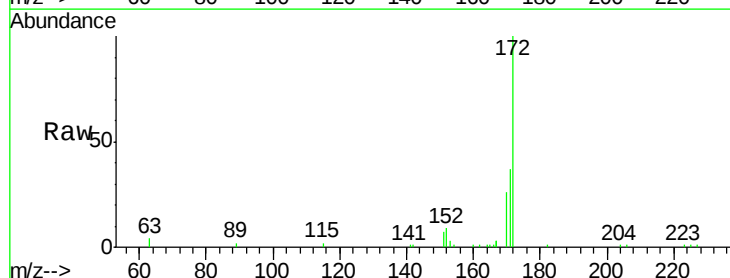
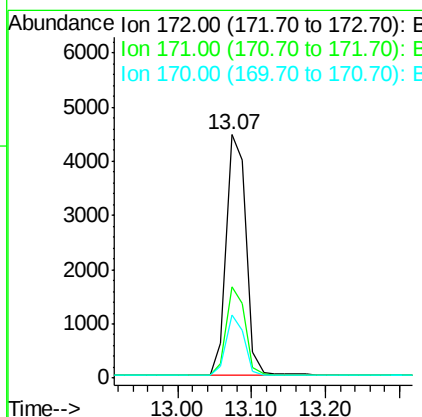
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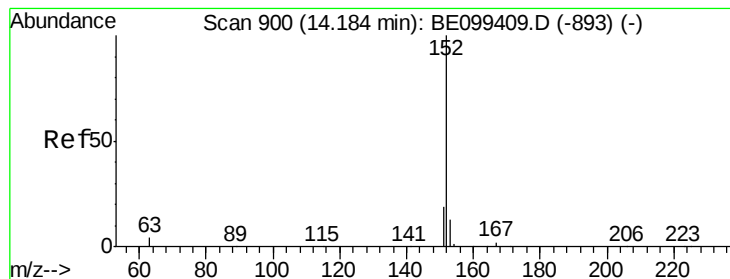
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#15
 2-Fluorobiphenyl
 Concen: 0.335 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	8317		
171	37.4	26.6	39.8	
170	25.7	17.0	25.6	





#16

Acenaphthylene

Concen: 0.114 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

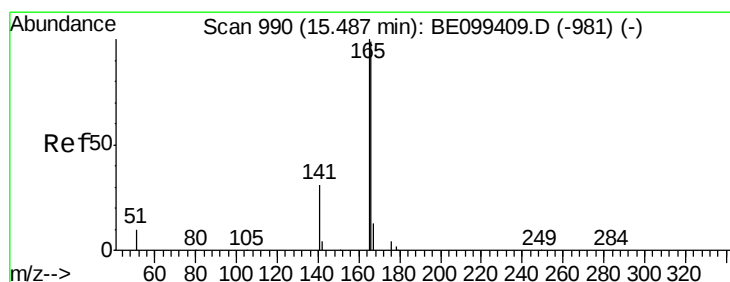
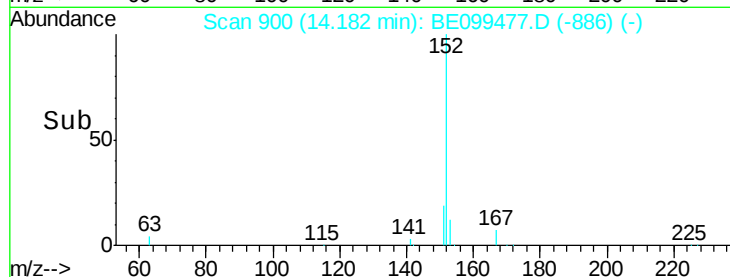
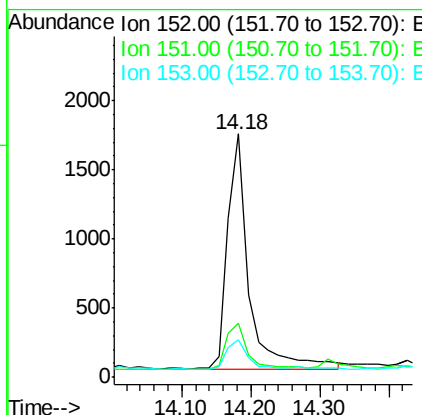
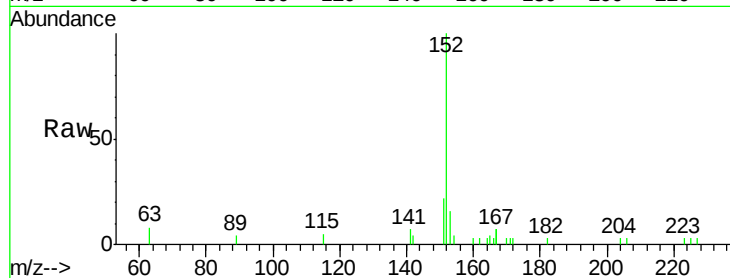
ClientSampleId :

PST-027-B109-042219

Tgt Ion:	152	Resp:	3640
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.4	23.2
153	12.3	9.8	14.6

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#18

Fluorene

Concen: 0.034 ng

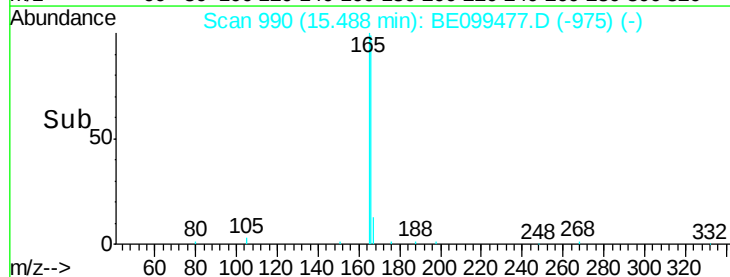
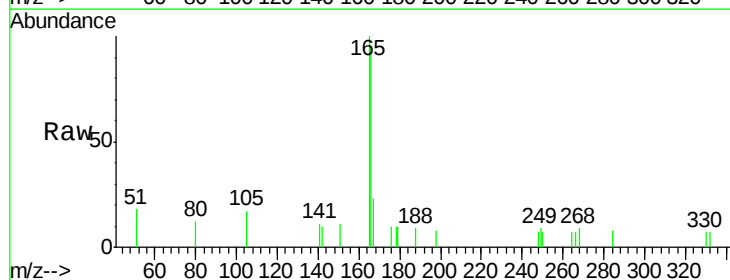
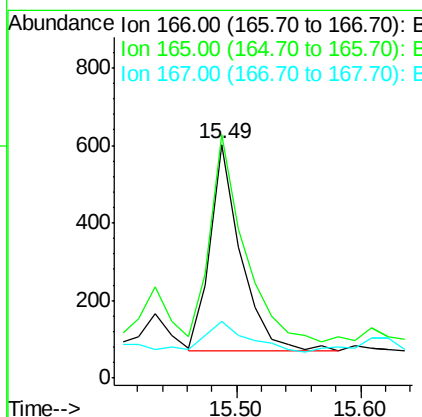
RT: 15.49 min Scan# 990

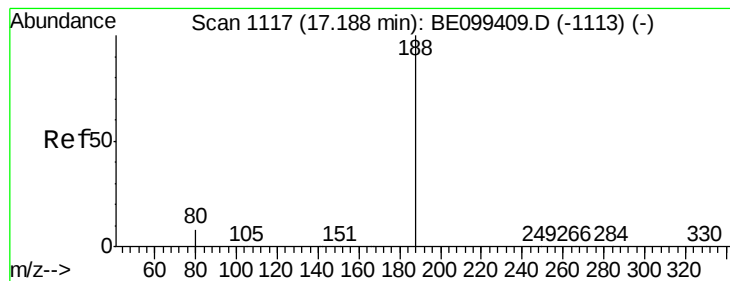
Delta R.T. 0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	166	Resp:	920
Ion Ratio	Lower	Upper	
166	100		
165	110.8	80.3	120.5
167	21.5	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

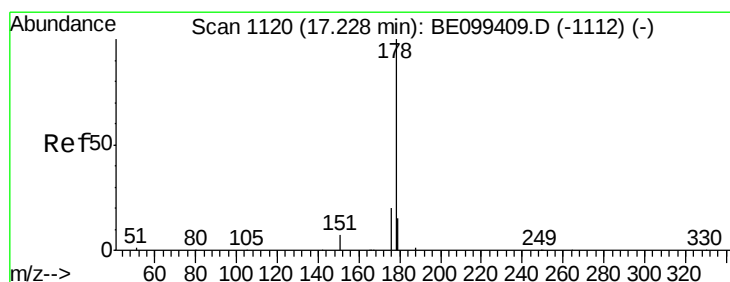
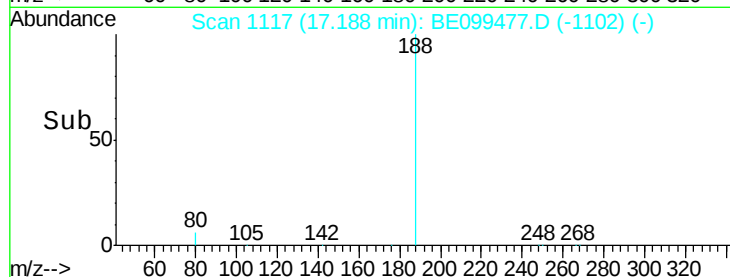
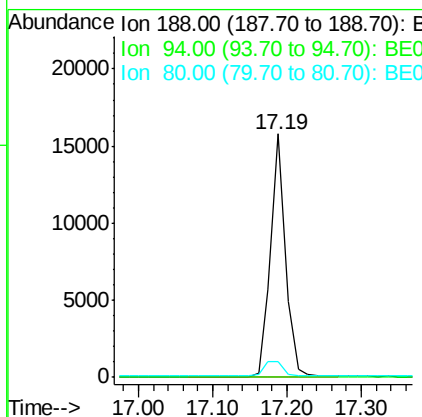
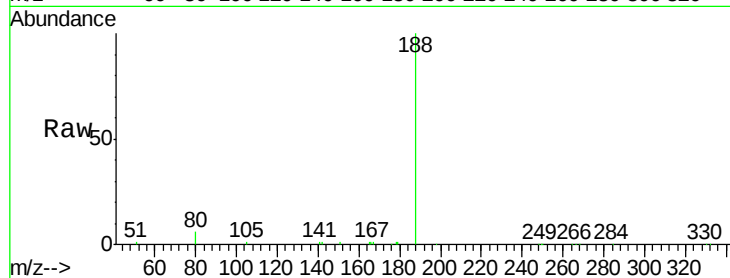
ClientSampleId :

PST-027-B109-042219

Tgt Ion:	188	Resp:	21861
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.2	6.7	10.1#

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#23

Phenanthrene

Concen: 0.601 ng

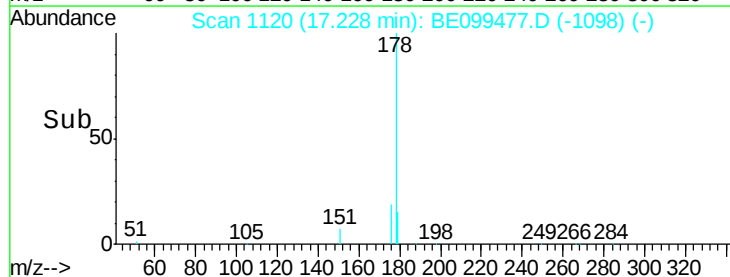
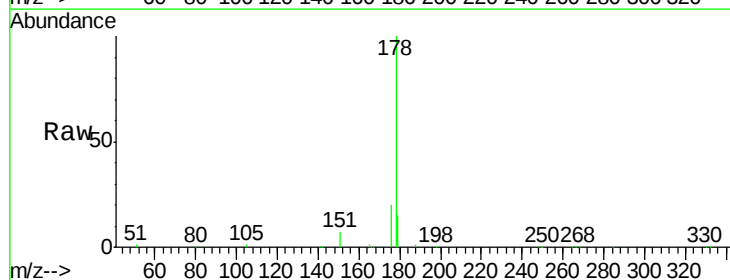
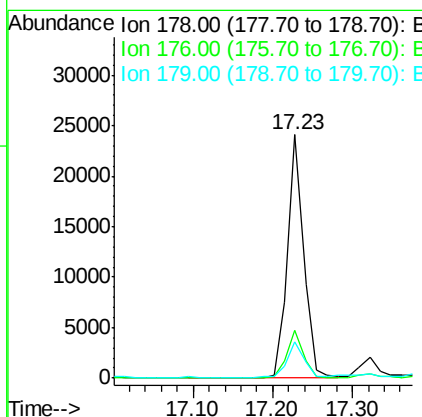
RT: 17.23 min Scan# 1120

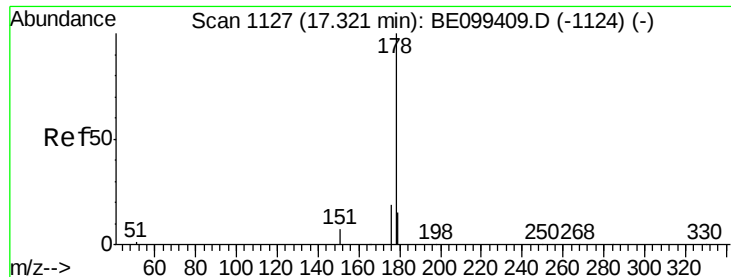
Delta R.T. 0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	178	Resp:	33890
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.0	12.0	18.0





#24

Anthracene

Concen: 0.054 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

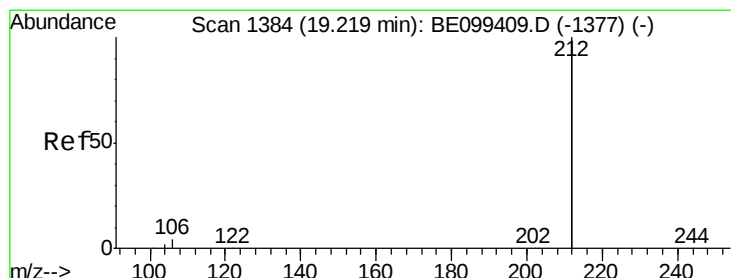
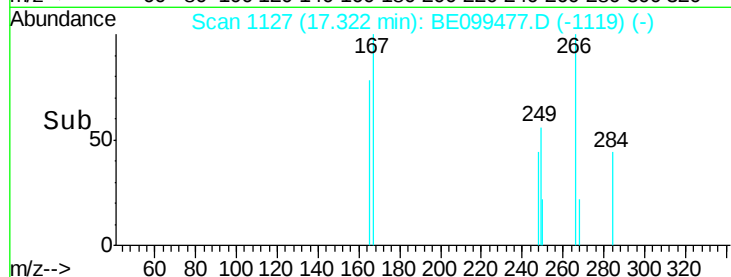
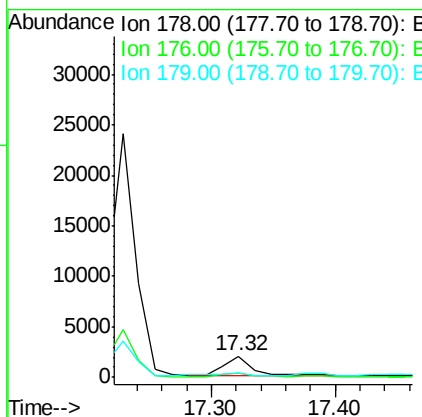
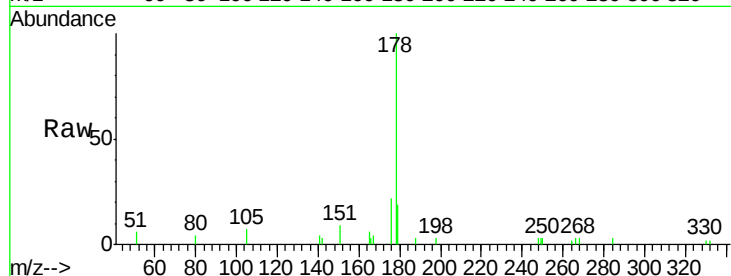
ClientSampleId :

PST-027-B109-042219

Tgt Ion:	178	Resp:	2884
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	20.1	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.359 ng

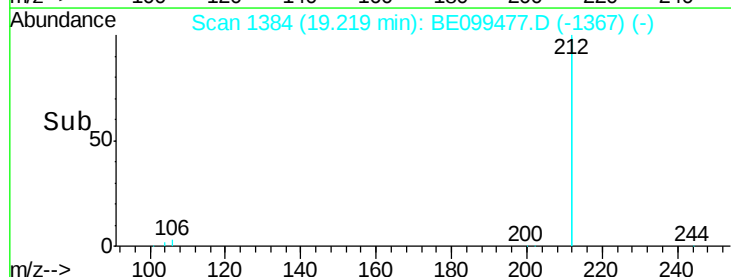
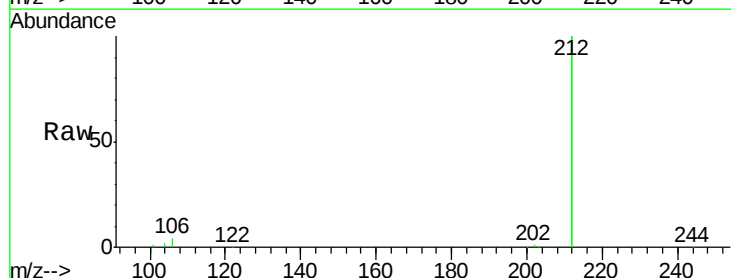
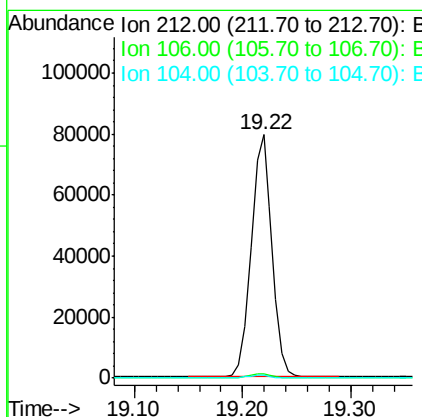
RT: 19.22 min Scan# 1384

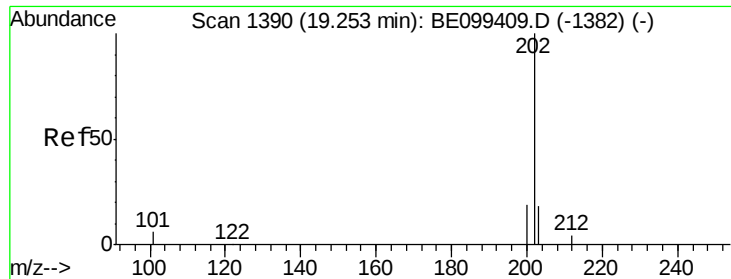
Delta R.T. 0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	212	Resp:	105641
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





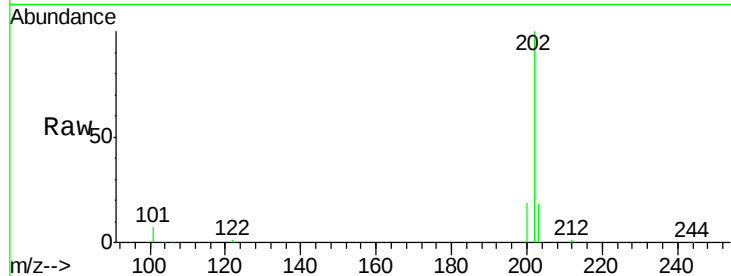
#26
Fluoranthene
Concen: 0.935 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

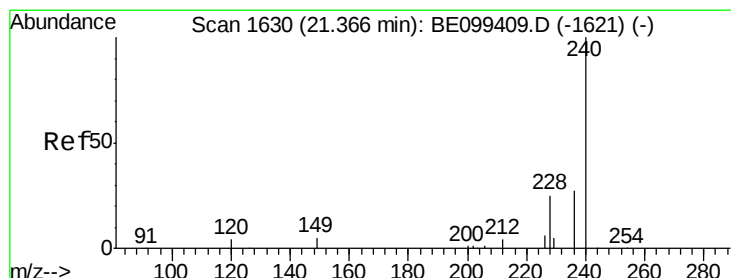
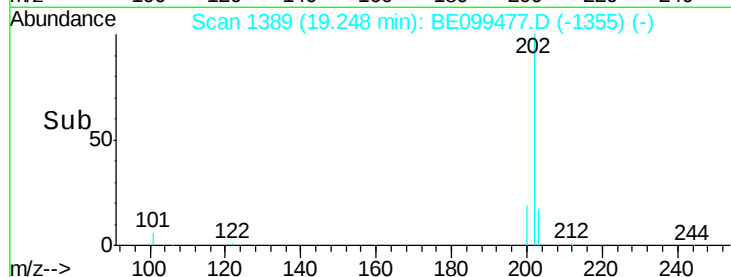
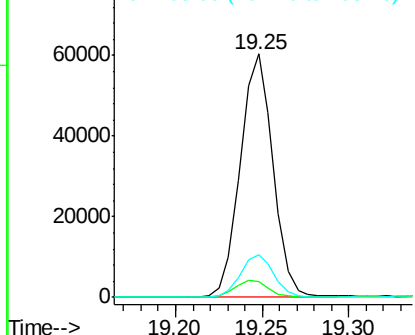
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.8	5.4	8.0
203	17.6	13.9	20.9

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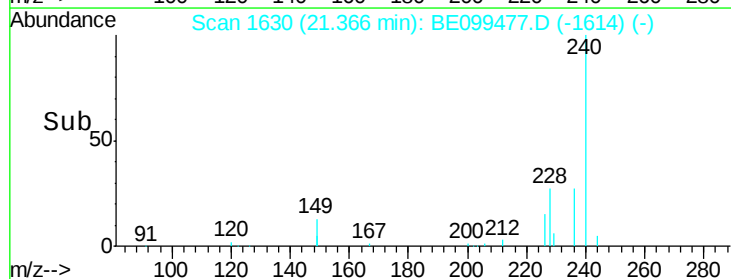
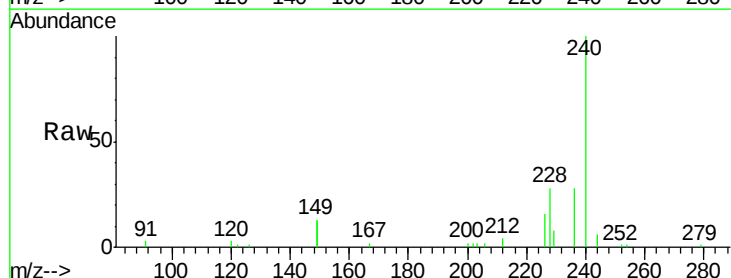
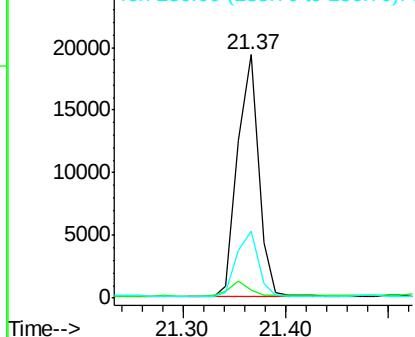
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

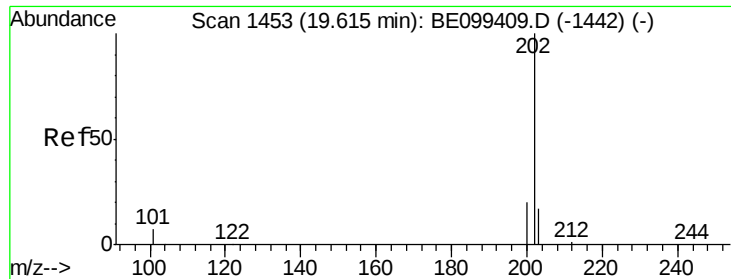


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	3.1	4.0	6.0#
236	27.5	22.0	33.0

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





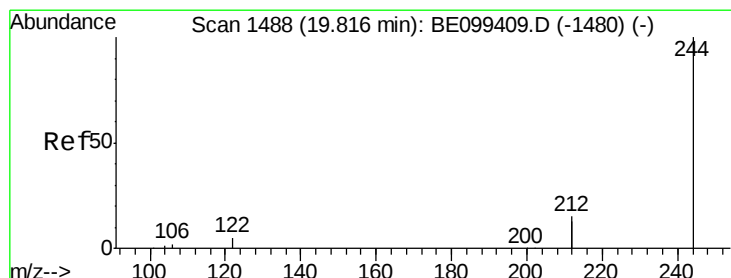
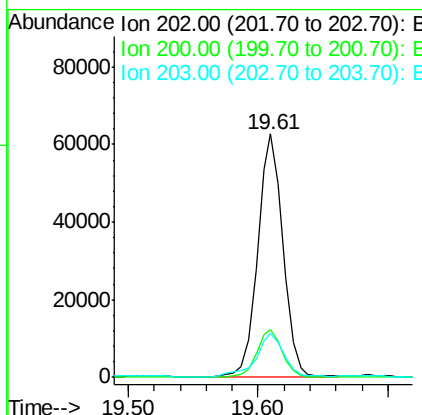
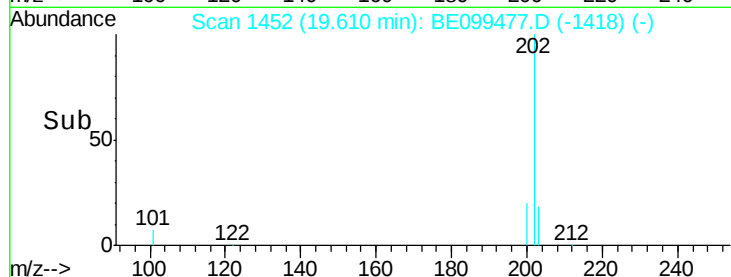
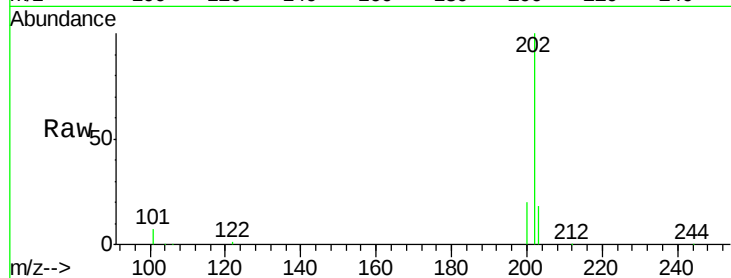
#28
Pyrene
Concen: 1.185 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	84678		
200	19.7	15.7	23.5	
203	19.9	13.9	20.9	

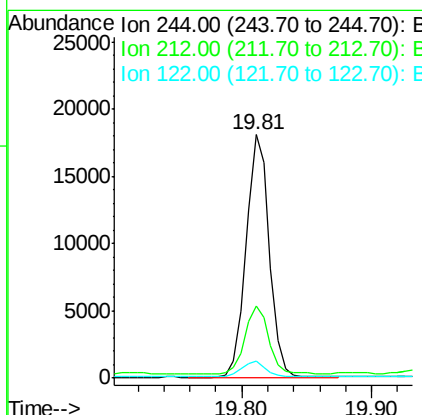
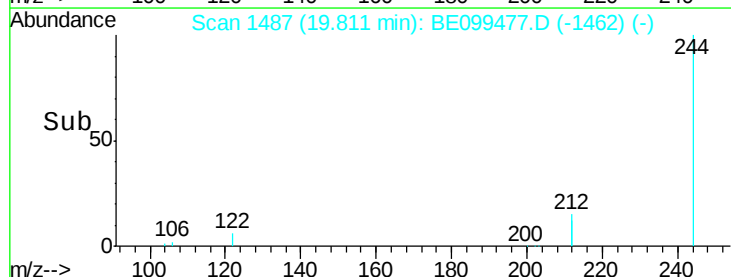
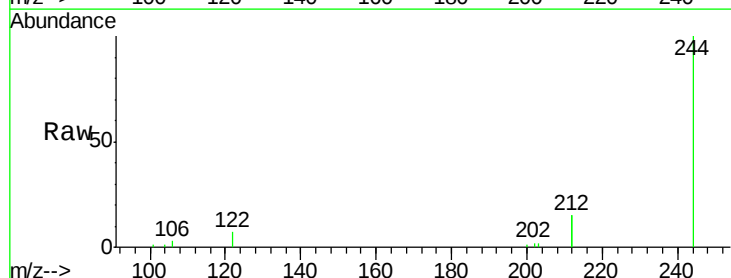
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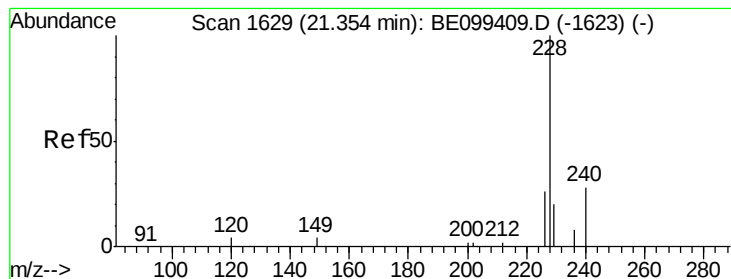
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#29
Terphenyl-d14
Concen: 0.443 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	22257		
212	29.9	23.2	34.8	
122	6.8	4.2	6.4#	





#30

Benzo(a)anthracene

Concen: 0.521 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

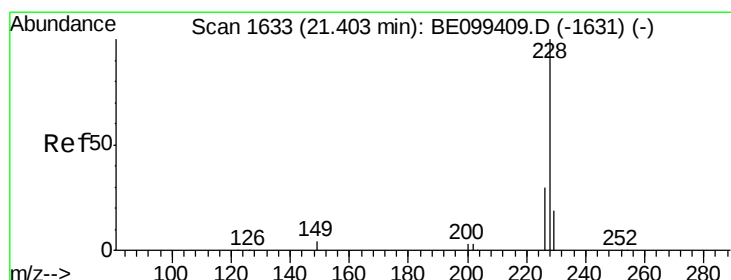
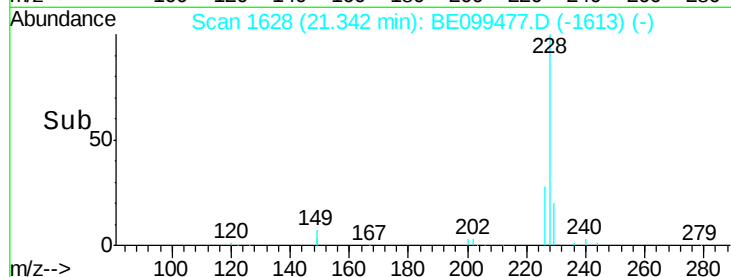
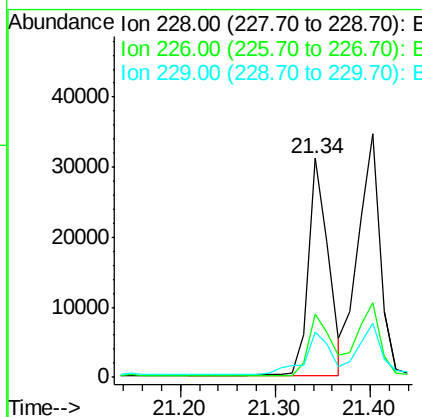
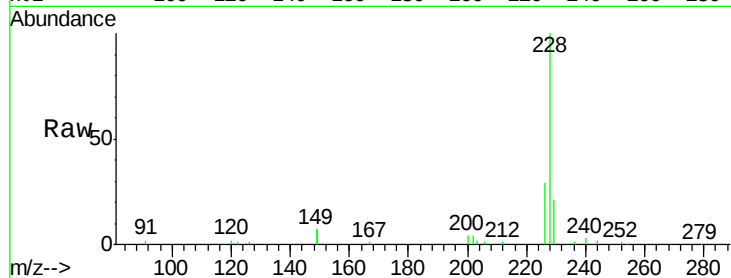
ClientSampleId :

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Tgt Ion:	228	Resp:	45550
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.0	31.6
229	20.9	16.6	25.0

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#31

Chrysene

Concen: 0.650 ng

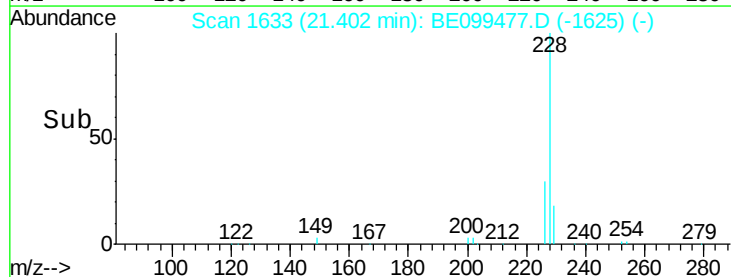
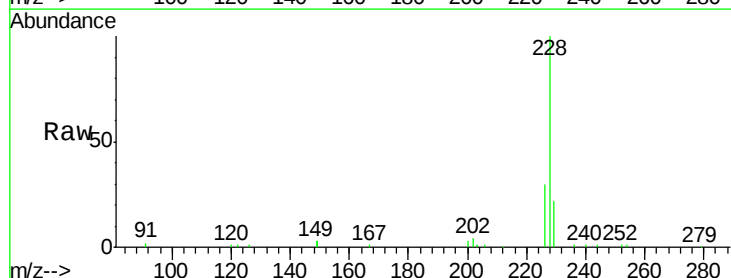
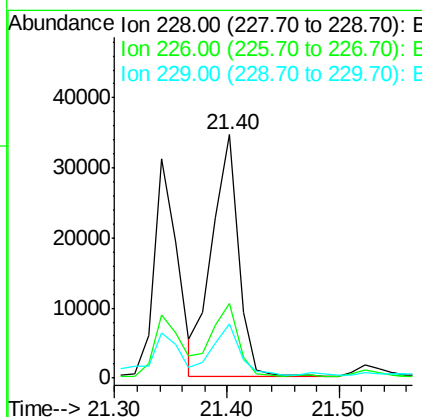
RT: 21.40 min Scan# 1633

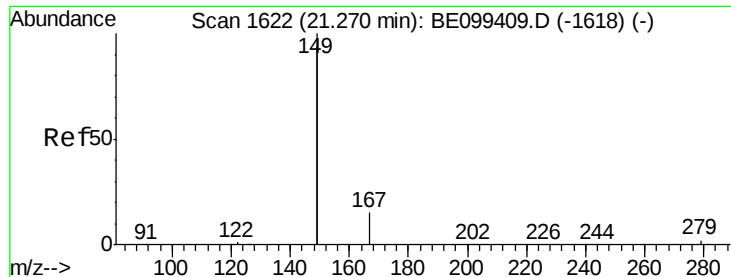
Delta R.T. -0.00 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	228	Resp:	55521
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.0	36.0
229	22.1	15.8	23.8





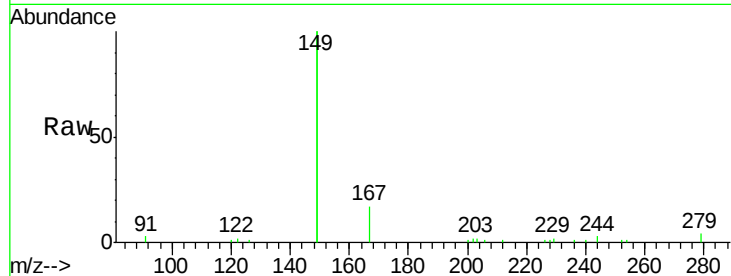
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.363 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

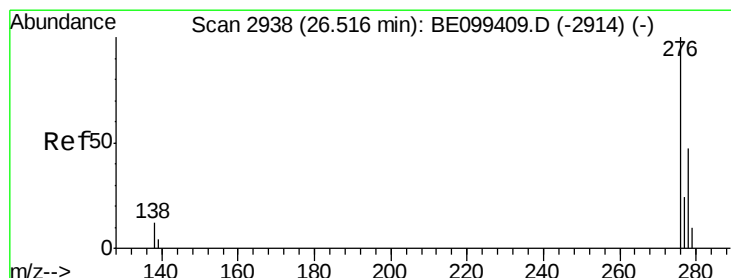
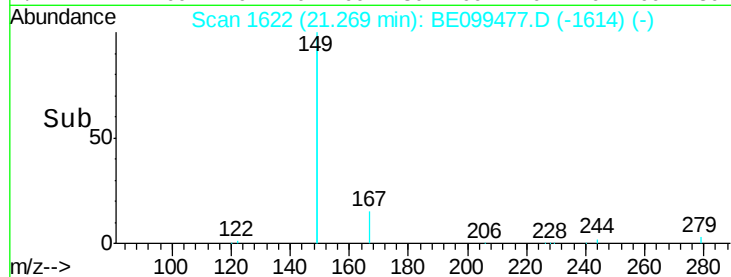
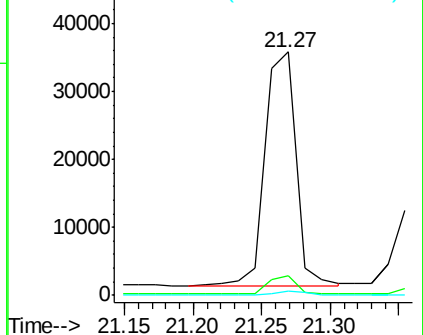
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	53516		
167	7.2	5.8	8.6	
279	1.4	1.0	1.6	

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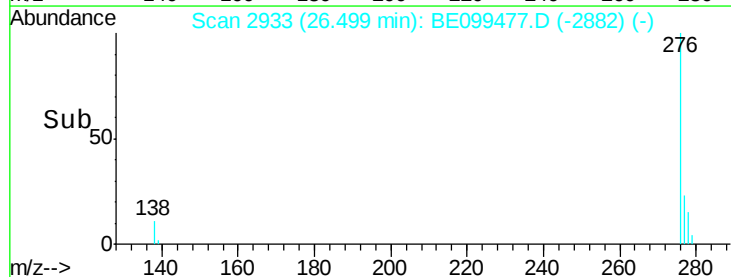
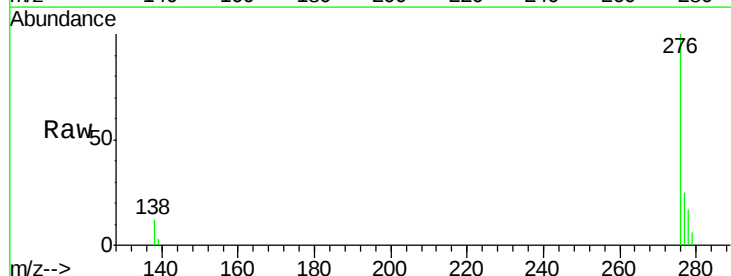
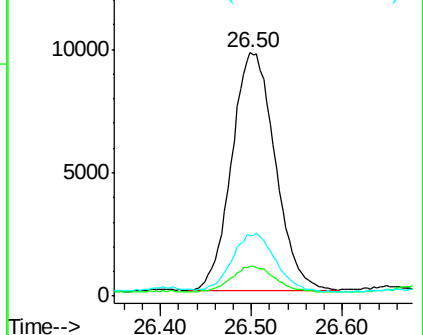
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

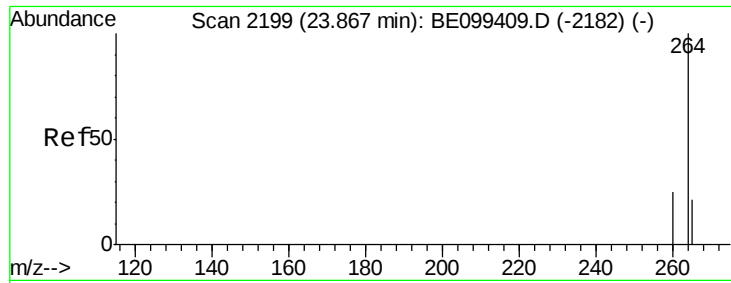


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.318 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. -0.02 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	32112		
138	10.7	10.2	15.2	
277	24.5	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





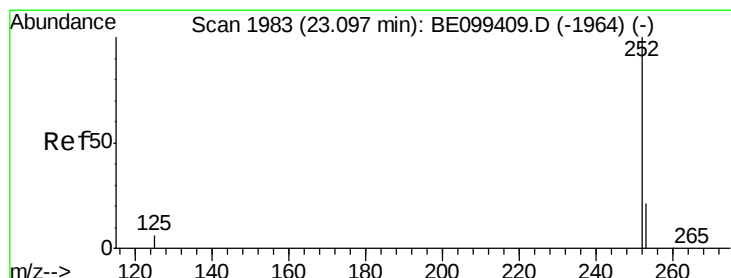
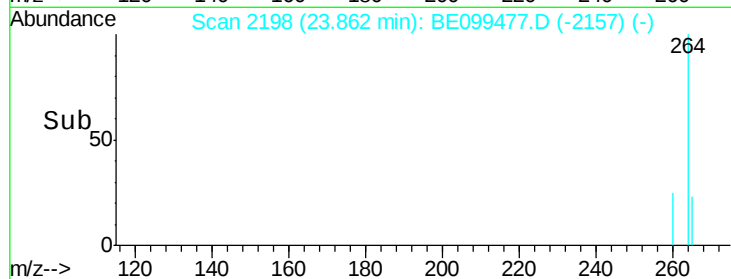
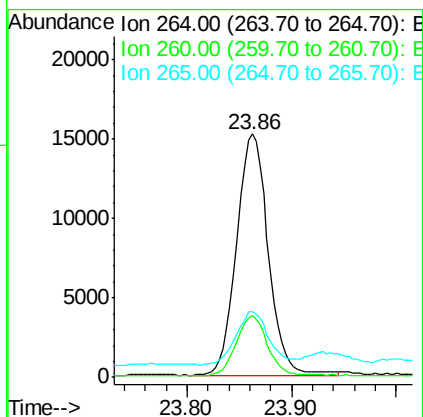
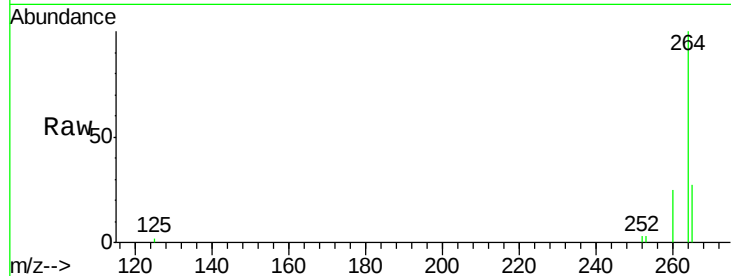
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	31876		
260	25.3		20.2	30.2
265	27.1		21.3	31.9

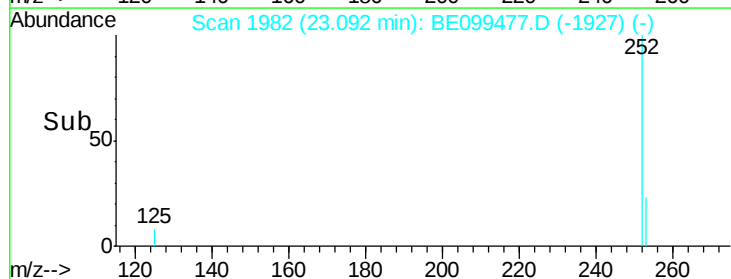
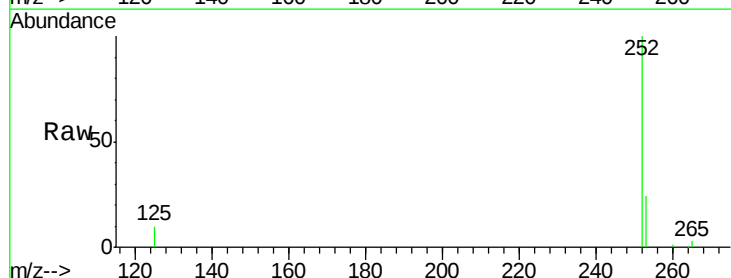
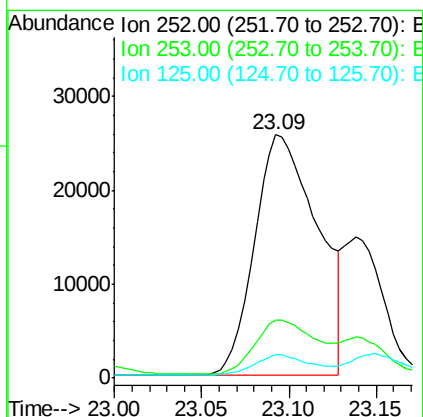
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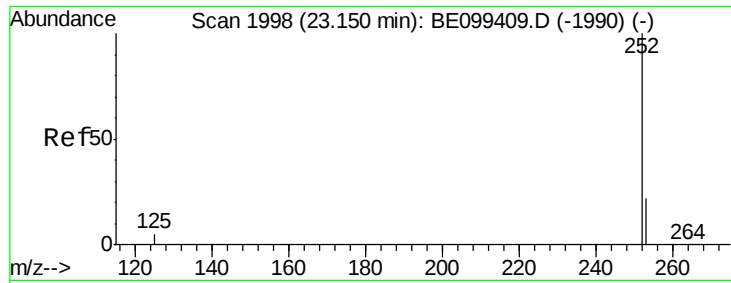
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#35
Benzo(b)fluoranthene
 Concen: 0.703 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099477.D
 Acq: 1 May 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	64578		
253	23.9		18.1	27.1
125	9.6		5.6	8.4#





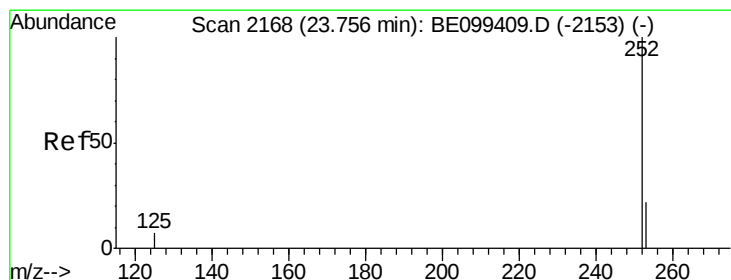
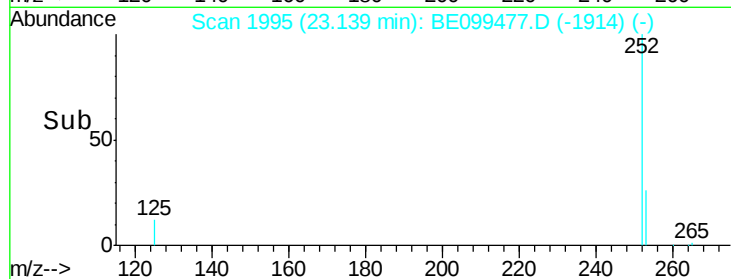
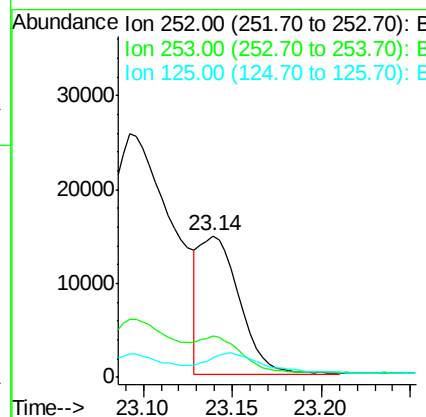
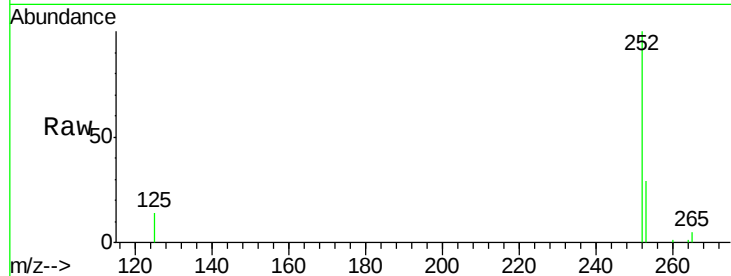
#36
Benzo(k)fluoranthene
Concen: 0.266 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

Tgt Ion:252 Resp: 23588
Ion Ratio Lower Upper
252 100
253 29.1 18.4 27.6#
125 13.5 5.0 7.4#

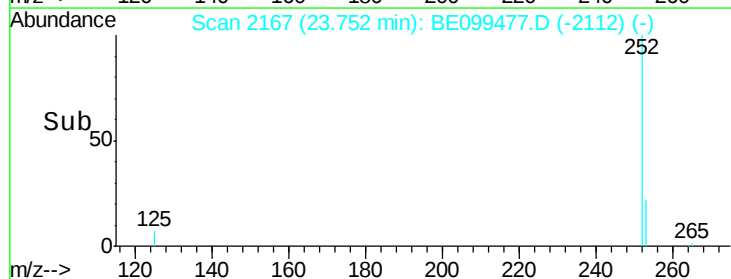
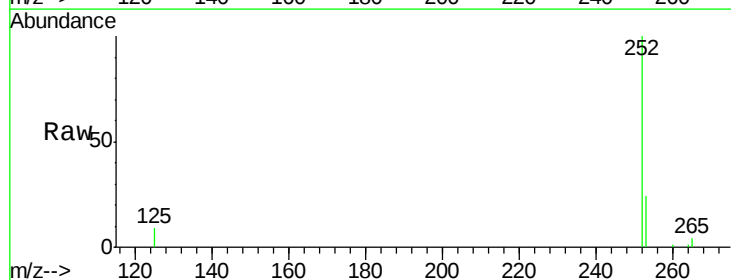
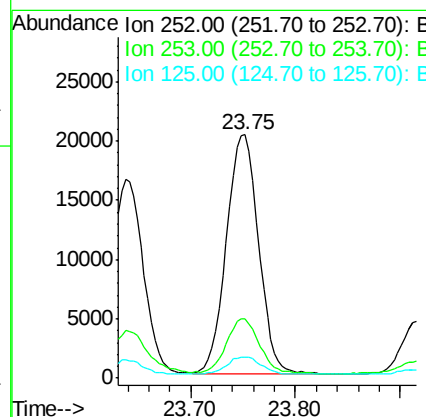
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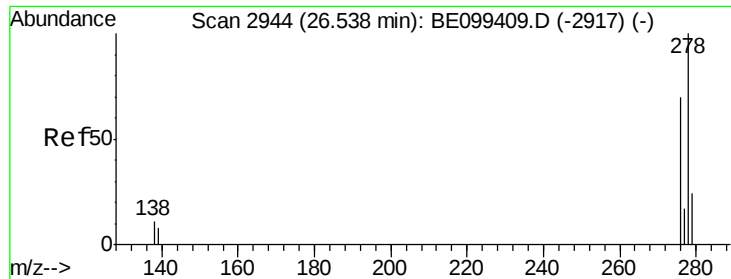
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#37
Benzo(a)pyrene
Concen: 0.496 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099477.D
Acq: 1 May 2019 23:46

Tgt Ion:252 Resp: 43067
Ion Ratio Lower Upper
252 100
253 24.3 18.9 28.3
125 8.8 6.7 10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.089 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.02 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Instrument :

BNA_E

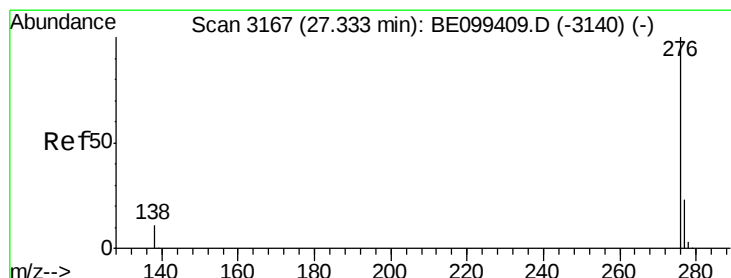
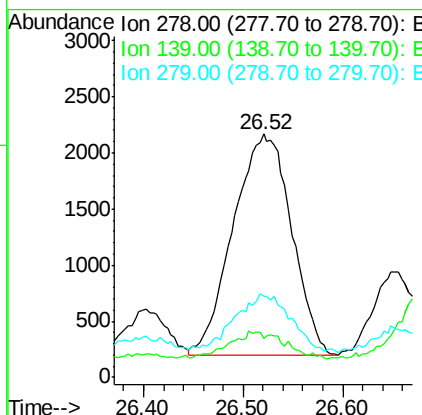
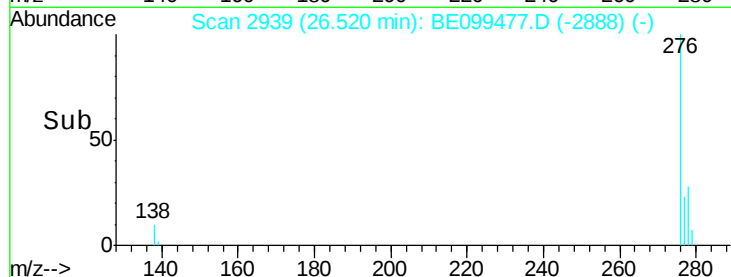
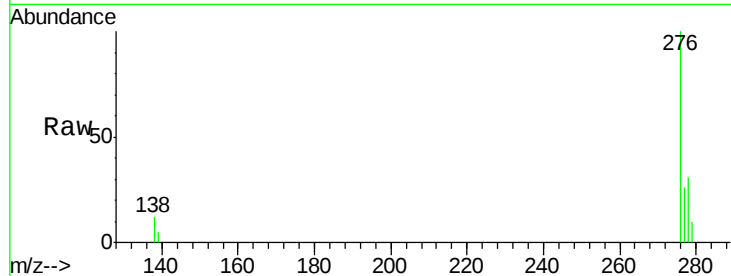
ClientSampleId :

PST-027-B109-042219

Tgt Ion:	278	Resp:	7954
Ion Ratio	Lower	Upper	
278	100		
139	15.9	7.7	11.5#
279	33.5	20.2	30.2#

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:50 PM



#39

Benzo(g,h,i)perylene

Concen: 0.363 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099477.D

Acq: 1 May 2019 23:46

Tgt Ion:	276	Resp:	32346
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.5	29.3
138	11.4	9.6	14.4

