

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099531.D
 Acq On : 3 May 2019 15:55
 Operator : JU/SJ
 Sample : K2588-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B193-042519

Manual Integrations
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Quant Time: May 04 01:43:59 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	7.82	152	2593	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9645	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7808	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	24824	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29408	0.40	ng	0.00
34) Perylene-d12	23.88	264	33867	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2234	0.31	ng	0.00
5) Phenol-d6	6.97	99	3240	0.34	ng	0.00
8) Nitrobenzene-d5	8.96	82	2656	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	4869	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1629	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7470	0.25	ng	0.00
25) Fluoranthene-d10	19.22	212	79759	0.24	ng	0.00
29) Terphenyl-d14	19.82	244	16511	0.31	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	921	0.024	ng	# 92
23) Phenanthrene	17.24	178	14857	0.232	ng	# 98
24) Anthracene	17.32	178	1610	0.026	ng	# 84
26) Fluoranthene	19.25	202	32286	0.336	ng	# 99
28) Pyrene	19.61	202	31557	0.412	ng	# 95
30) Benzo(a)anthracene	21.35	228	22296	0.238	ng	# 93
31) Chrysene	21.40	228	21331	0.233	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.27	149	18462	0.068	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.53	276	16946	0.156	ng	# 97
35) Benzo(b)fluoranthene	23.11	252	30755	0.315	ng	# 64
36) Benzo(k)fluoranthene	23.15	252	10105m	0.107	ng	# 81
37) Benzo(a)pyrene	23.76	252	19975	0.216	ng	# 46
38) Dibenzo(a,h)anthracene	26.54	278	6586	0.070	ng	# 89
39) Benzo(g,h,i)perylene	27.35	276	21340	0.226	ng	#

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

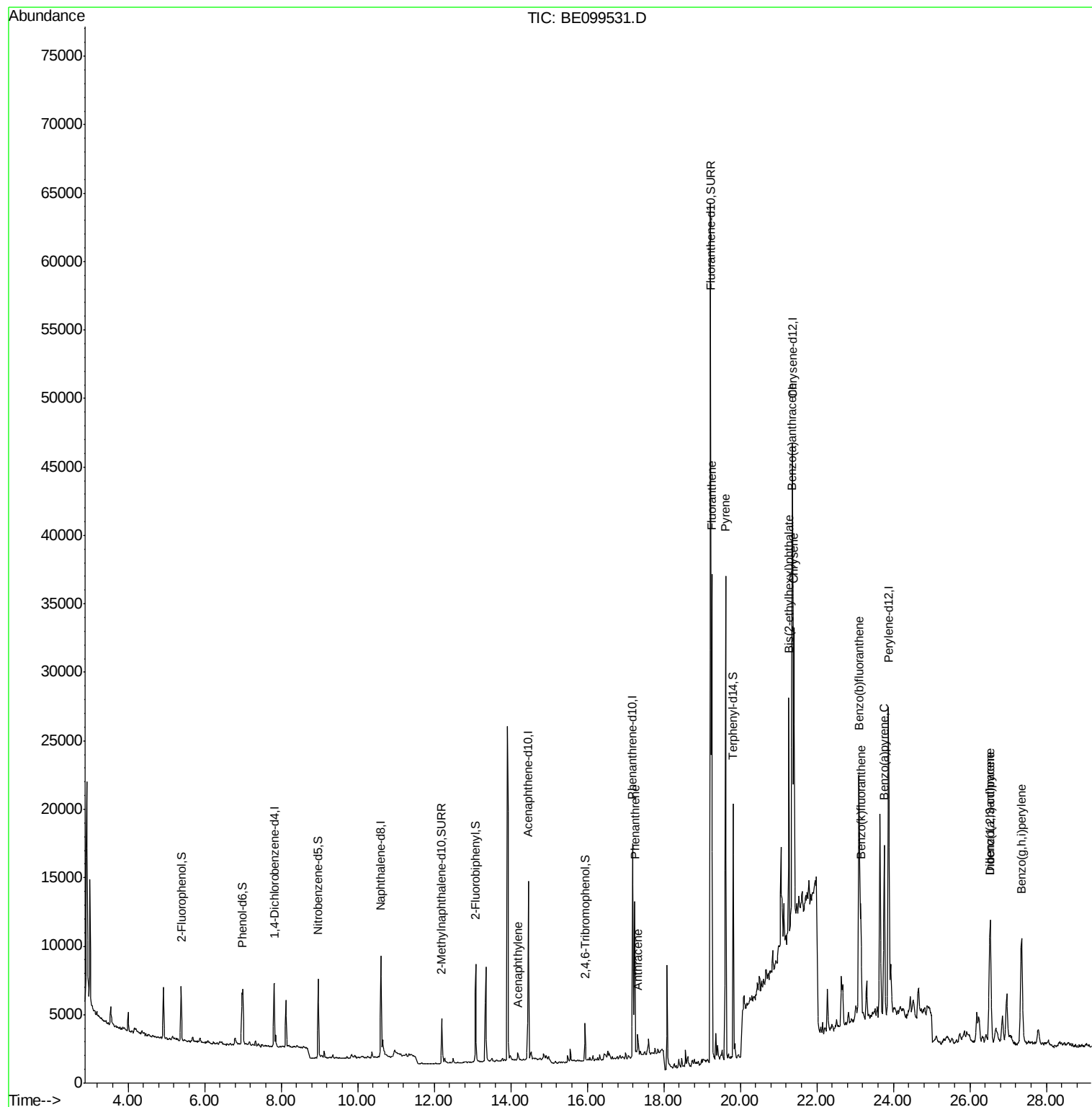
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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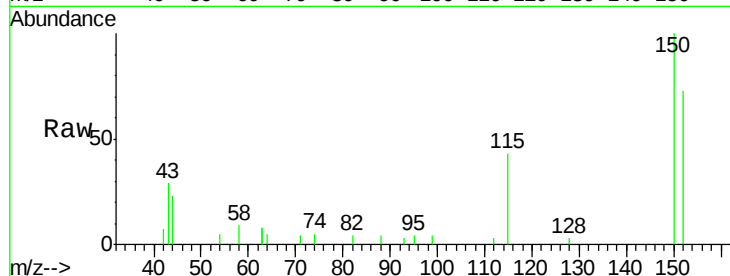




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

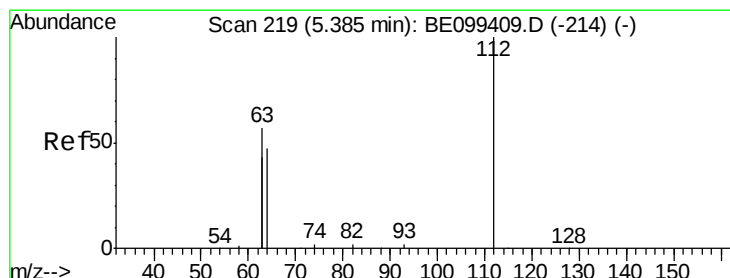
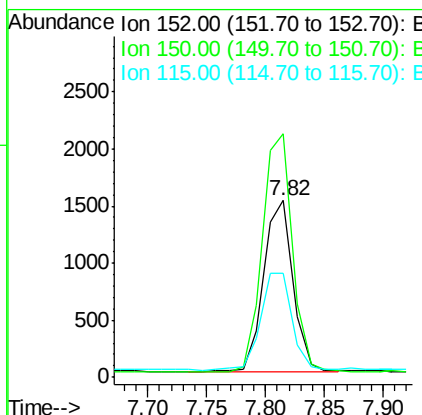
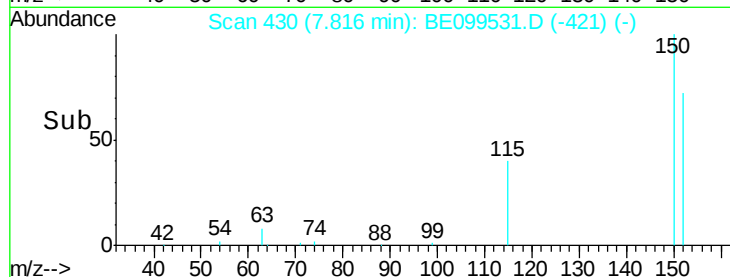
Instrument :
BNA_E
ClientSampleId :
PST-001-B193-042519



Tgt Ion	Ratio	Lower	Upper
152	100		
150	137.5	104.8	157.2
115	58.6	46.6	69.8

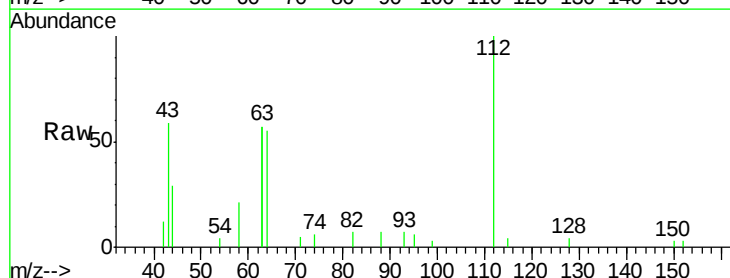
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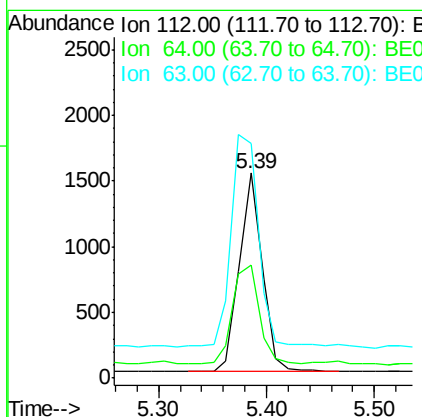
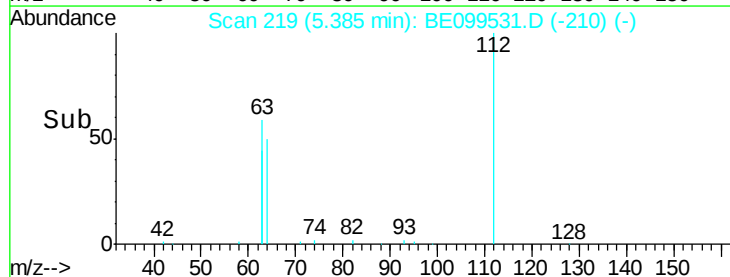


#4

2-Fluorophenol
Concen: 0.312 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55



Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.4	71.0
63	130.9	104.3	156.5





#5

Phenol-d6

Concen: 0.340 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Instrument :

BNA_E

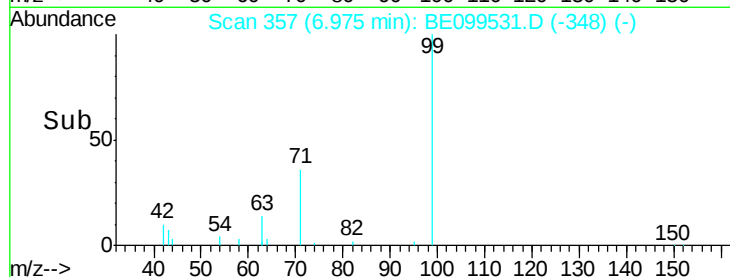
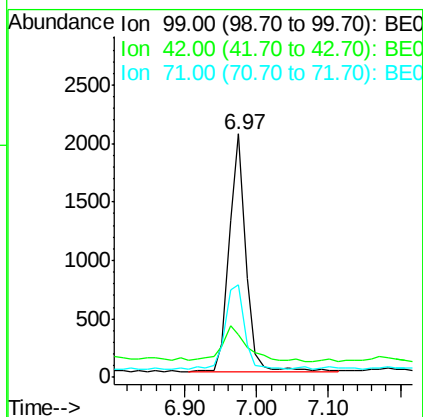
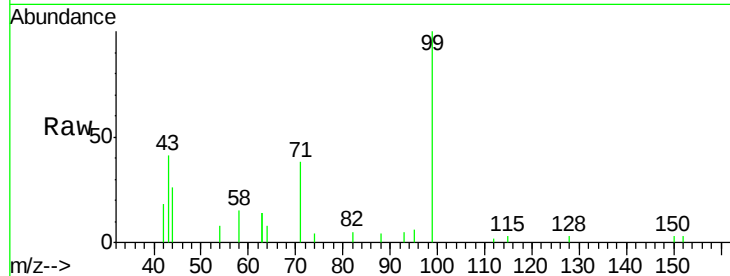
ClientSampleId :

PST-001-B193-042519

Tgt Ion:	99	Resp:	3240
Ion	Ratio	Lower	Upper
99	100		
42	24.0	14.9	22.3#
71	40.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

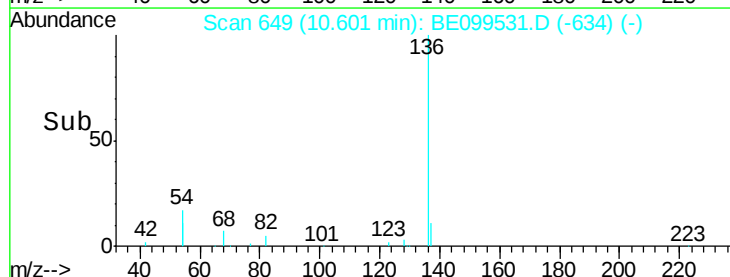
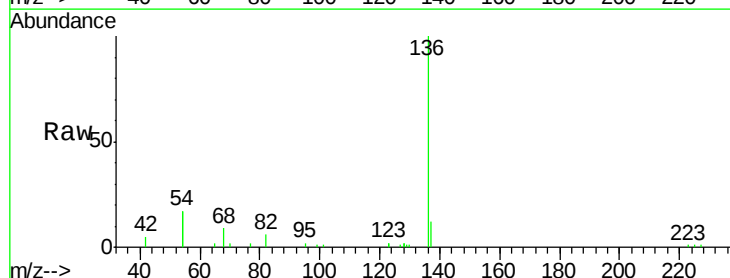
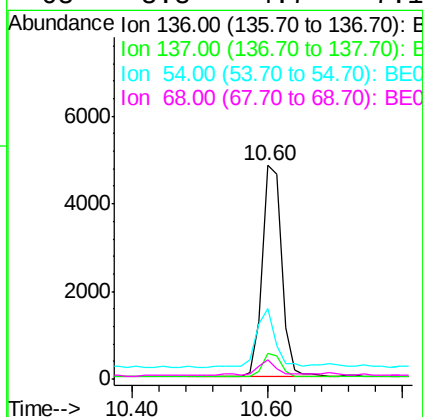
RT: 10.60 min Scan# 649

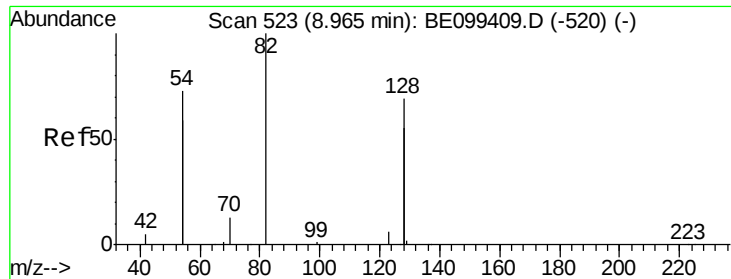
Delta R.T. -0.00 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Tgt Ion:	136	Resp:	9645
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	33.2	18.5	27.7#
68	8.8	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.294 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Instrument :

BNA_E

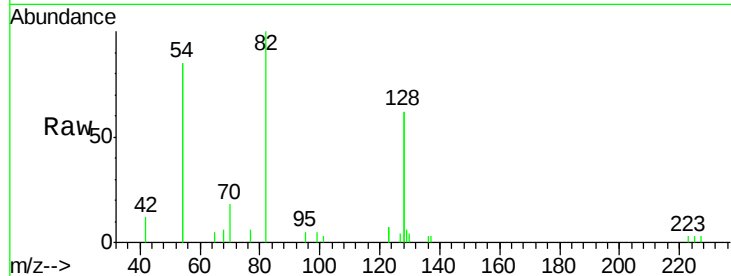
ClientSampleId :

PST-001-B193-042519

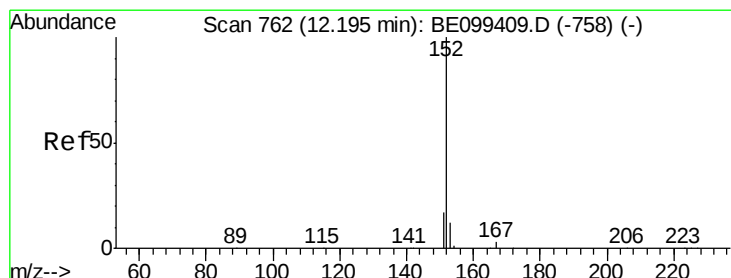
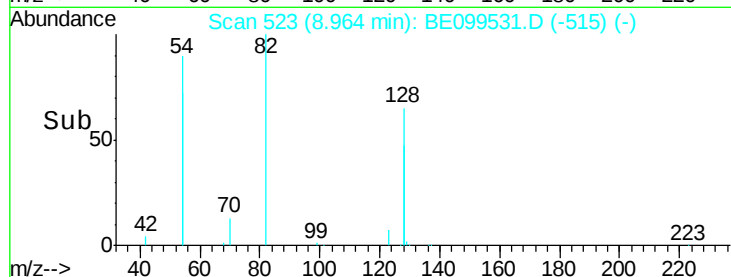
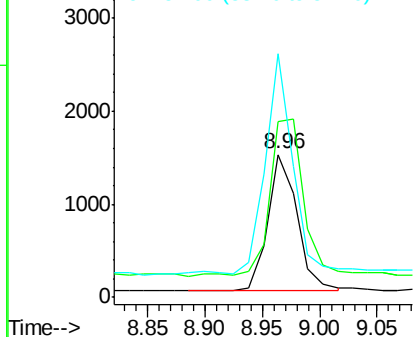
Tgt Ion:	82	Resp:	2656
Ion Ratio	Lower	Upper	
82	100		
128	123.4	107.0	160.4
54	170.9	113.1	169.7#

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.280 ng

RT: 12.20 min Scan# 762

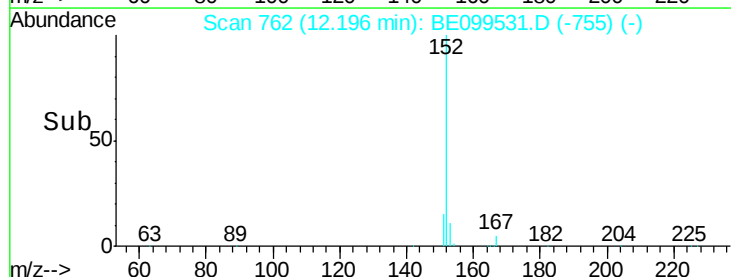
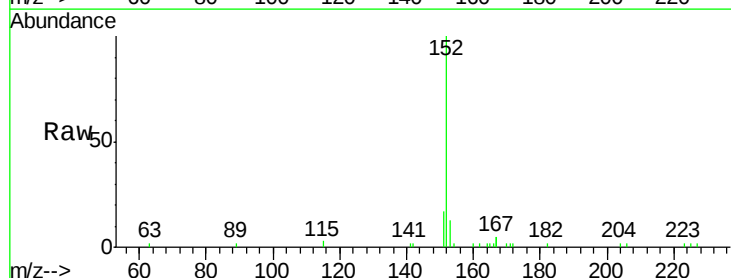
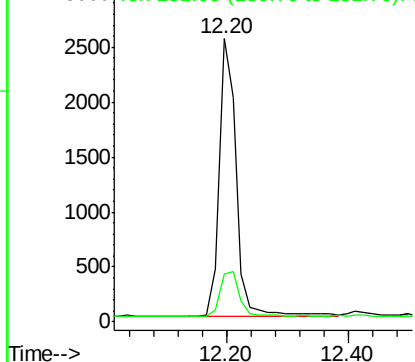
Delta R.T. 0.00 min

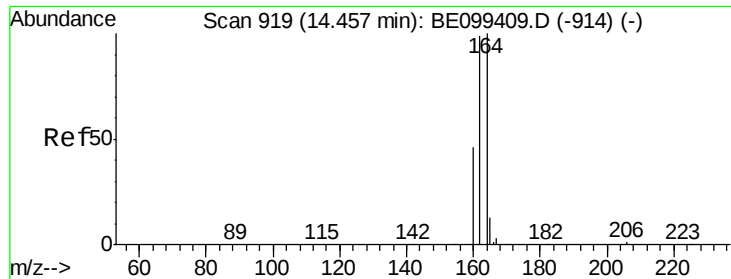
Lab File: BE099531.D

Acq: 3 May 2019 15:55

Tgt Ion:	152	Resp:	4869
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.5	23.3

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





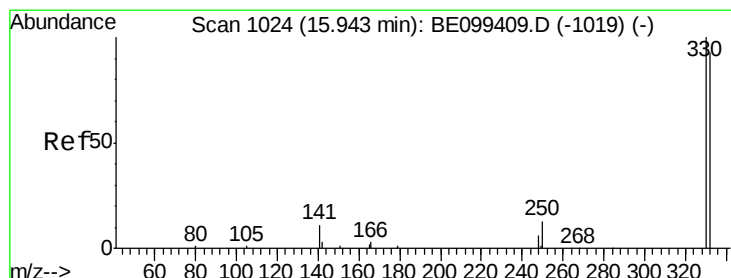
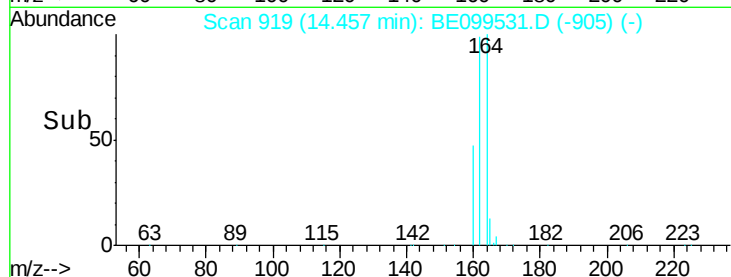
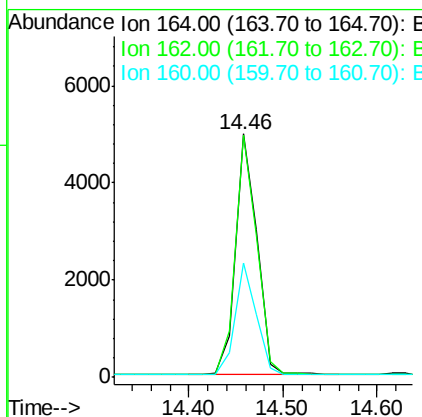
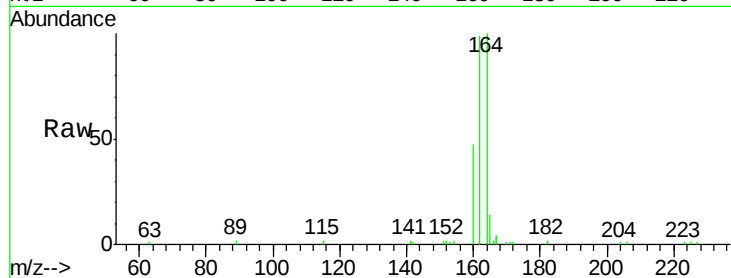
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Instrument :
BNA_E
ClientSampleId :
PST-001-B193-042519

Tgt Ion:164 Resp: 7808
Ion Ratio Lower Upper
164 100
162 99.3 79.0 118.4
160 47.2 37.0 55.4

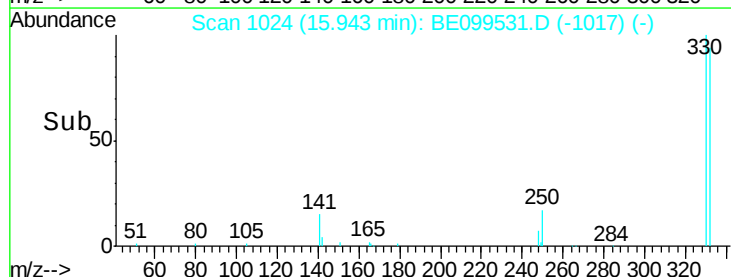
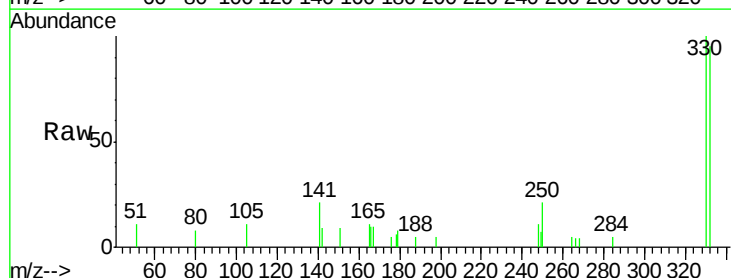
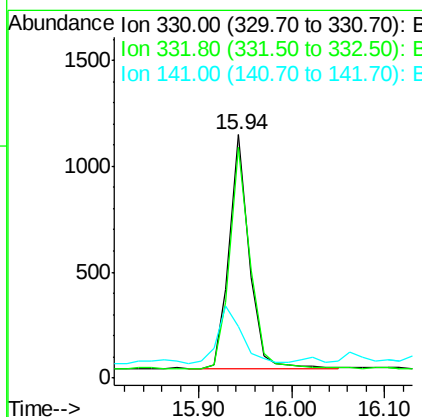
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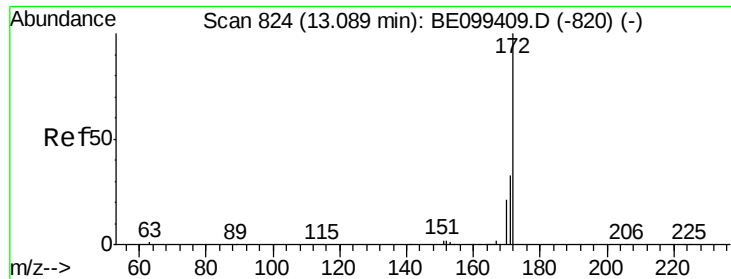
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#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Tgt Ion:330 Resp: 1629
Ion Ratio Lower Upper
330 100
332 98.3 71.5 107.3
141 29.7 24.0 36.0





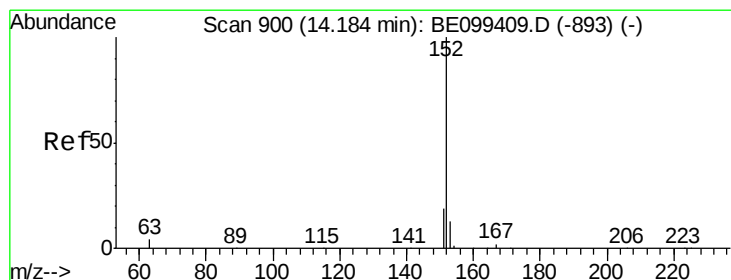
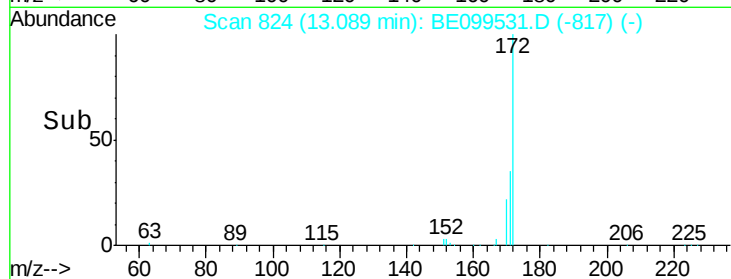
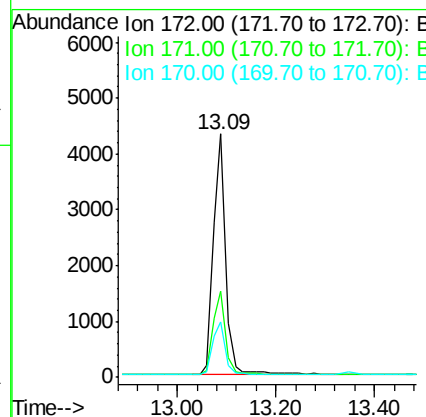
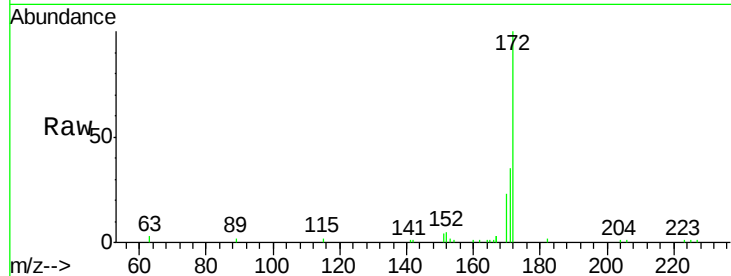
#15
2-Fluorobiphenyl
Concen: 0.251 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Instrument :
BNA_E
ClientSampleId :
PST-001-B193-042519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.6	39.8
170	23.0	17.0	25.6

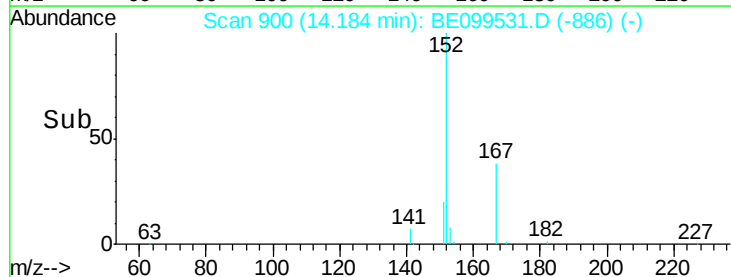
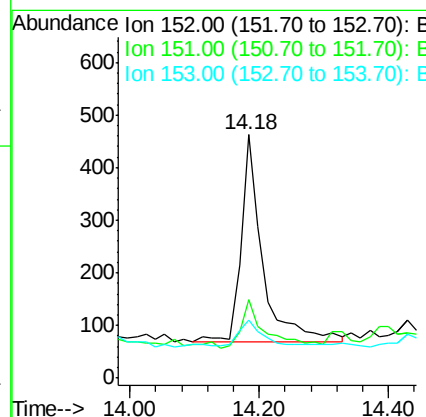
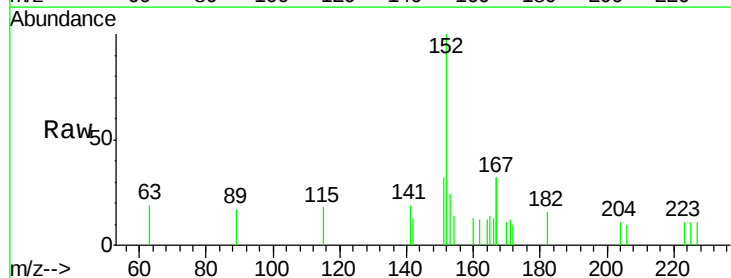
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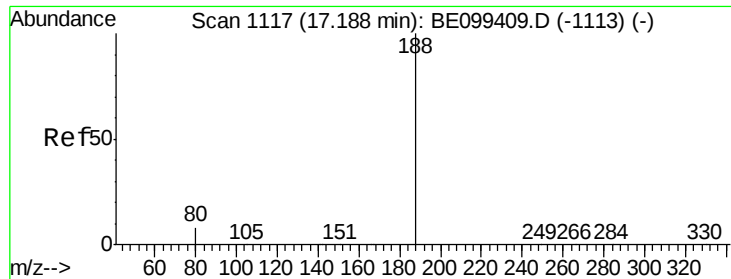
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#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.4	15.4	23.2#
153	13.2	9.8	14.6





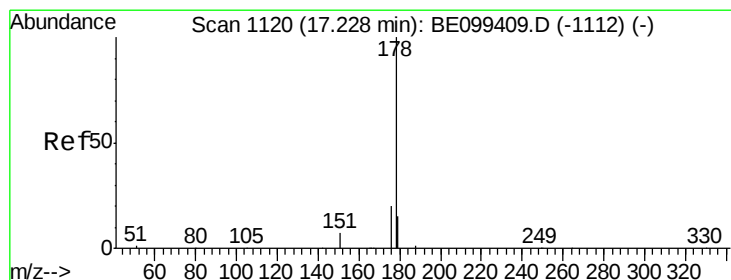
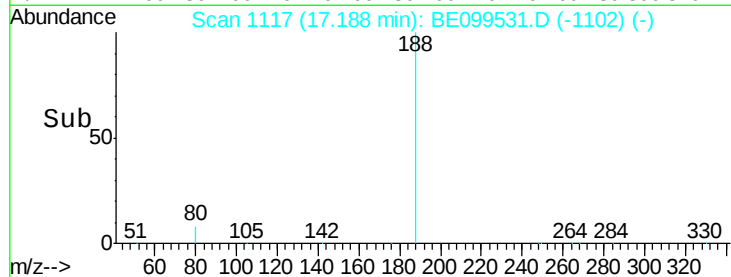
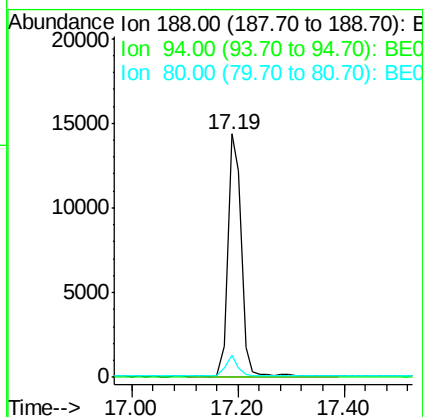
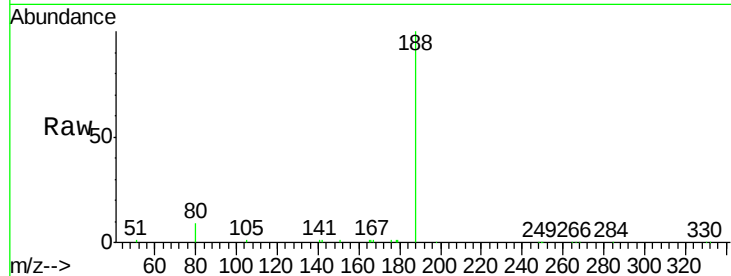
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	24824		
94	0.0	0.0	0.0	0.0
80	9.1	6.7	10.1	

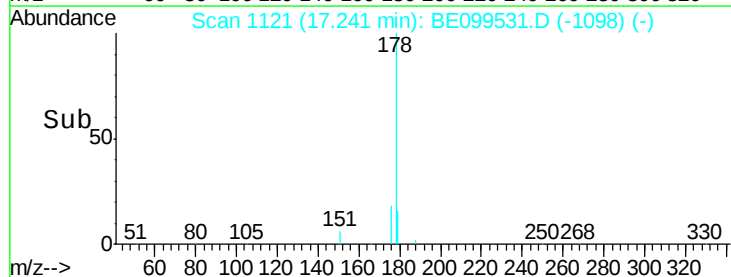
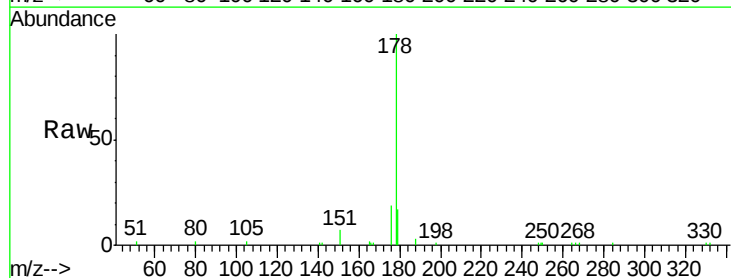
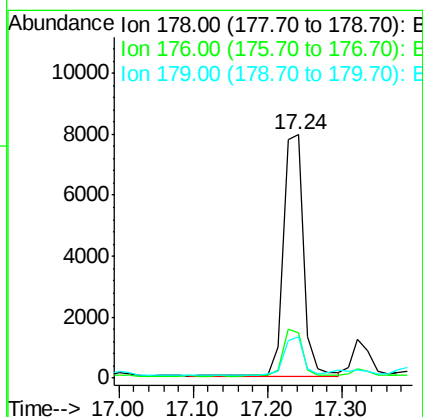
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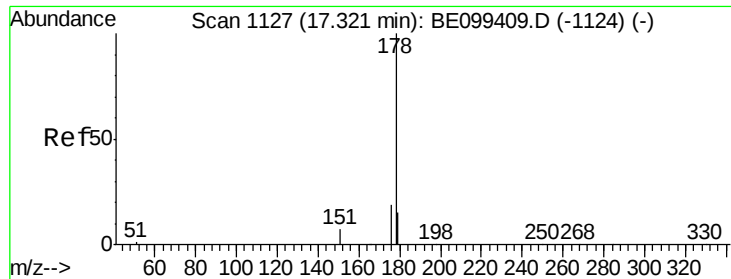
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#23
Phenanthrene
Concen: 0.232 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	14857		
176	18.6	15.6	23.4	
179	15.5	12.0	18.0	





#24

Anthracene

Concen: 0.026 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Instrument :

BNA_E

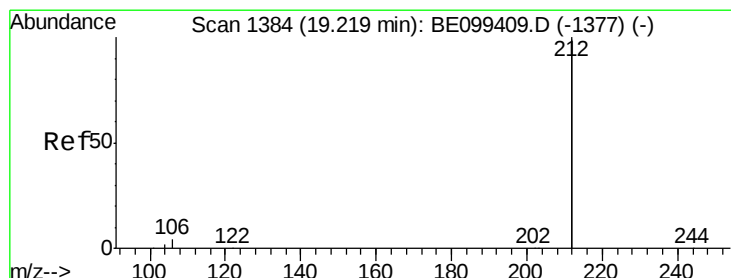
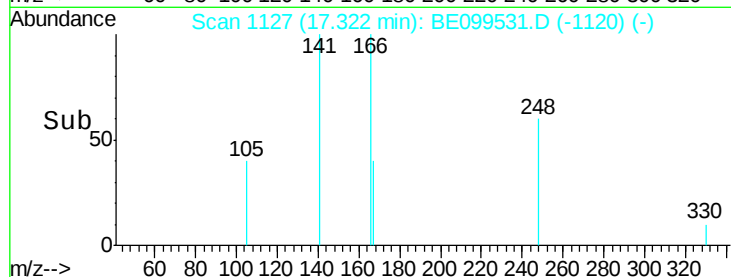
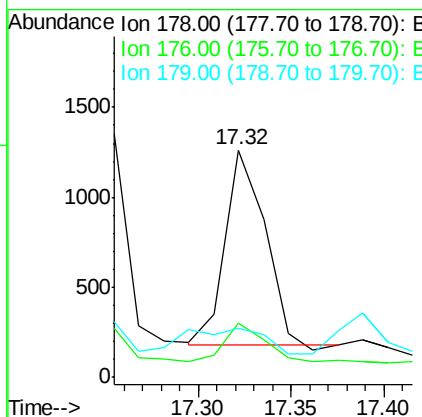
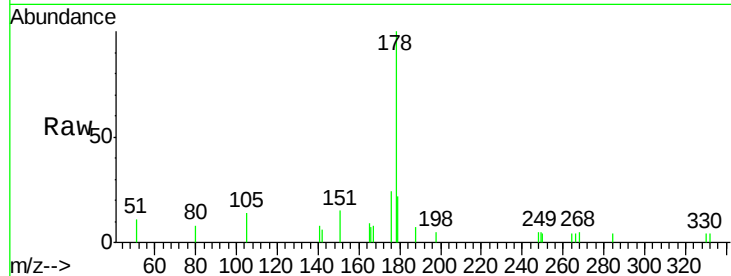
ClientSampleId :

PST-001-B193-042519

Tgt Ion:	178	Resp:	1610
Ion Ratio	Lower	Upper	
178	100		
176	21.6	14.9	22.3
179	26.3	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.238 ng

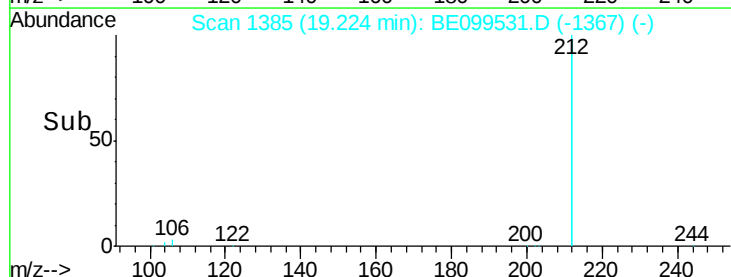
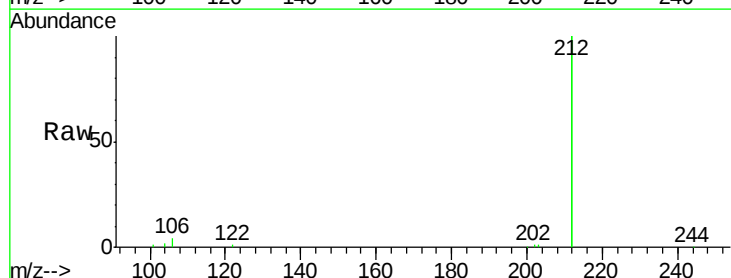
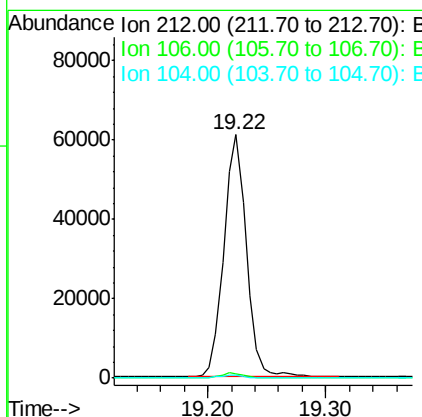
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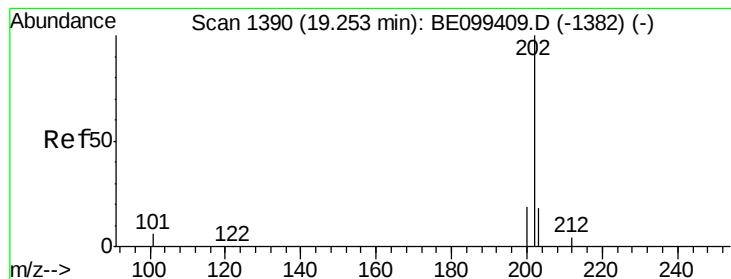
Delta R.T. 0.01 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Tgt Ion:	212	Resp:	79759
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.5	2.3
104	1.2	0.9	1.3





#26

Fluoranthene

Concen: 0.336 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Instrument :

BNA_E

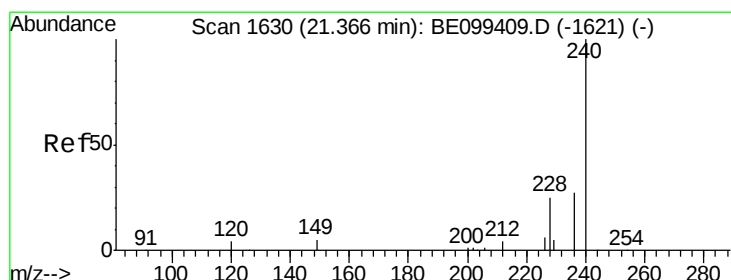
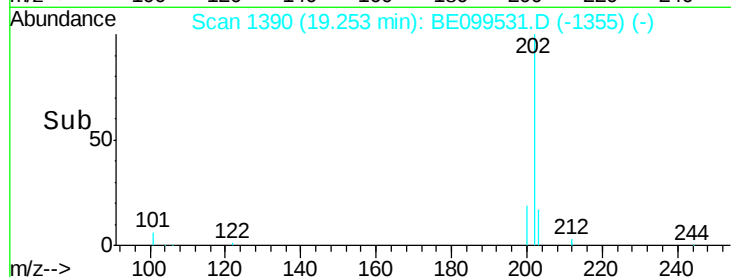
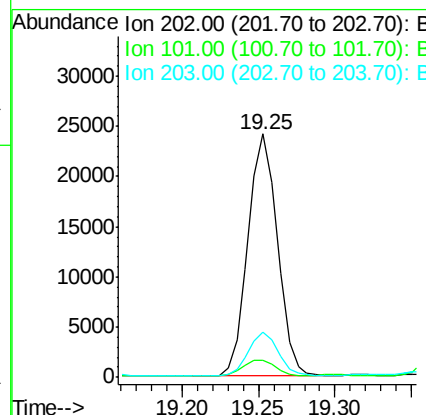
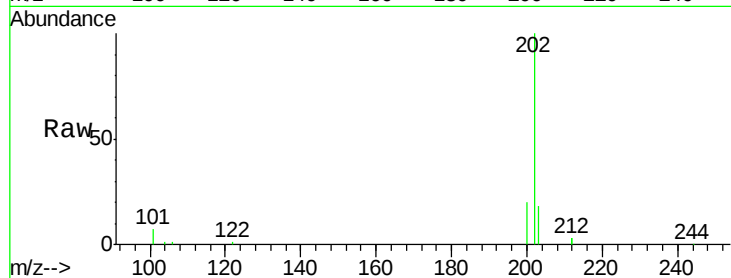
ClientSampleId :

PST-001-B193-042519

Tgt Ion:	202	Resp:	32286
Ion Ratio	Lower	Upper	
202	100		
101	7.9	5.4	8.0
203	17.7	13.9	20.9

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#27

Chrysene-d12

Concen: 0.400 ng

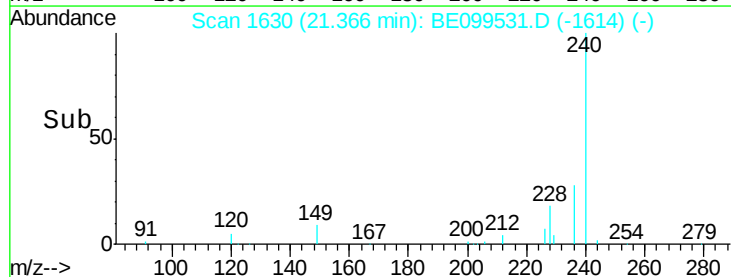
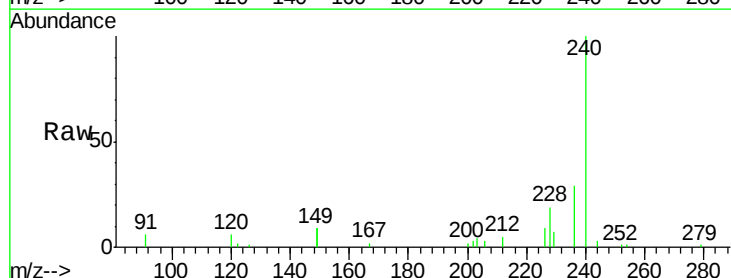
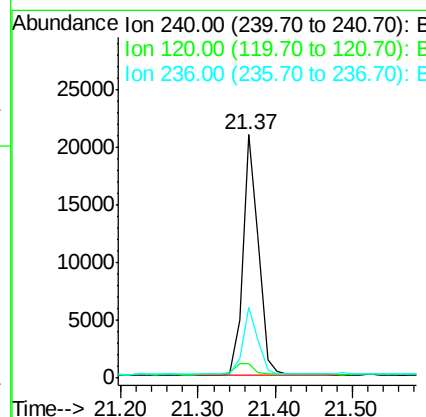
RT: 21.37 min Scan# 1630

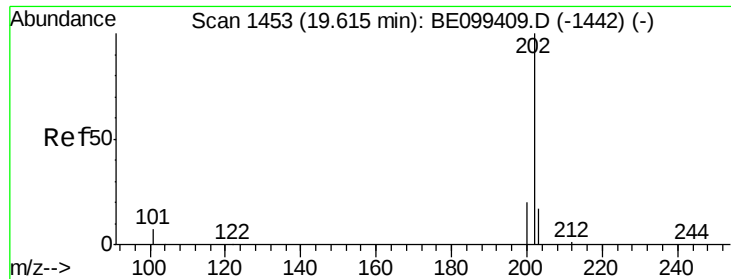
Delta R.T. -0.00 min

Lab File: BE099531.D

Acq: 3 May 2019 15:55

Tgt Ion:	240	Resp:	29408
Ion Ratio	Lower	Upper	
240	100		
120	6.0	4.0	6.0#
236	29.2	22.0	33.0





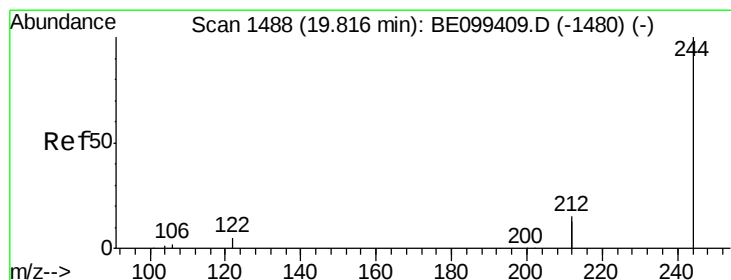
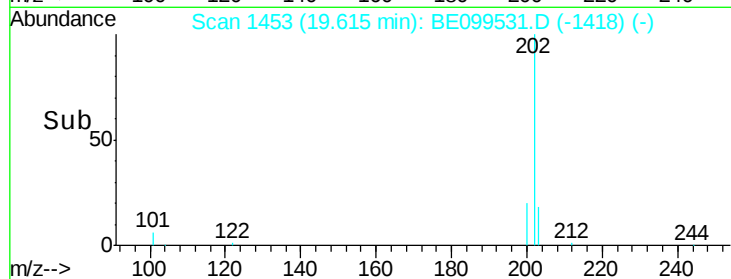
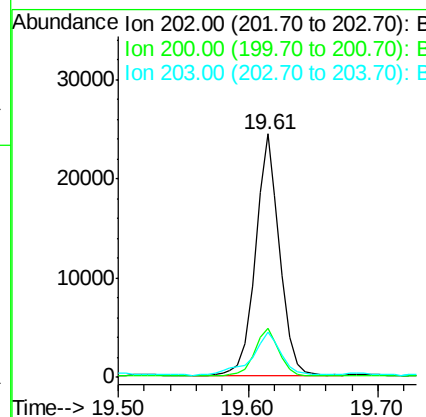
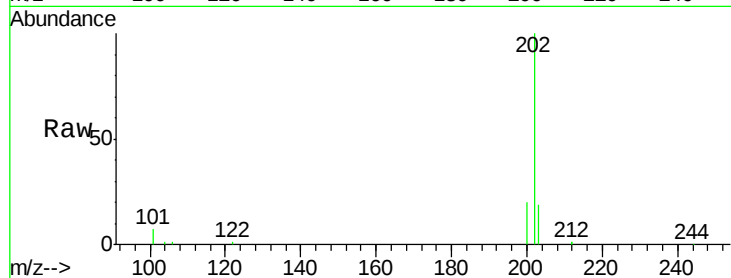
#28
 Pyrene
 Concen: 0.412 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B193-042519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	15.7	23.5
203	21.4	13.9	20.9

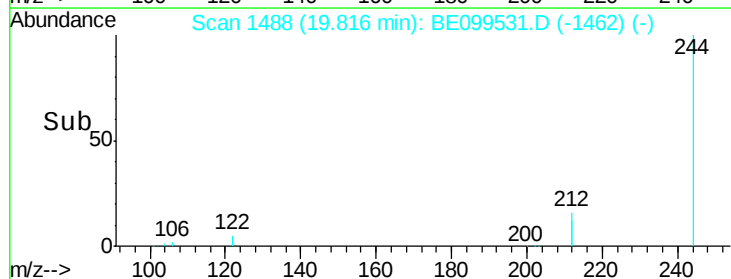
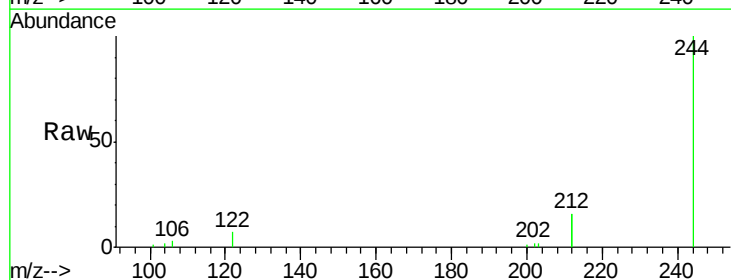
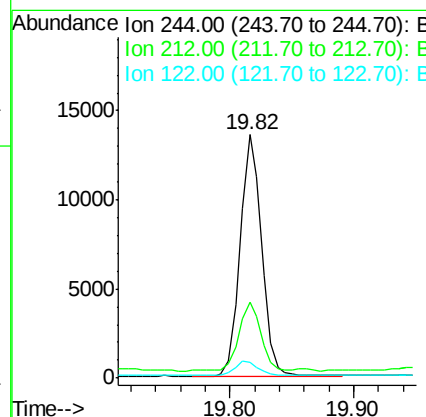
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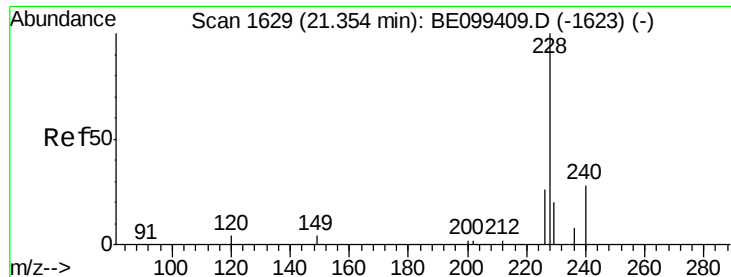
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#29
 Terphenyl-d14
 Concen: 0.307 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	31.2	23.2	34.8
122	6.6	4.2	6.4





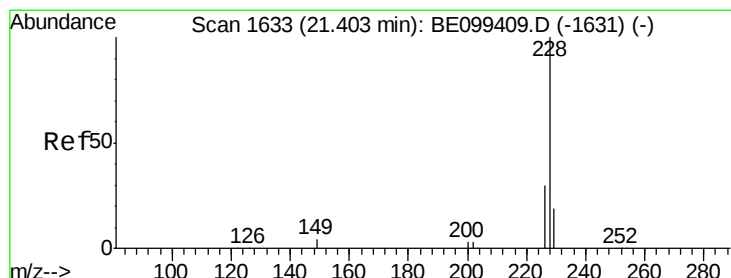
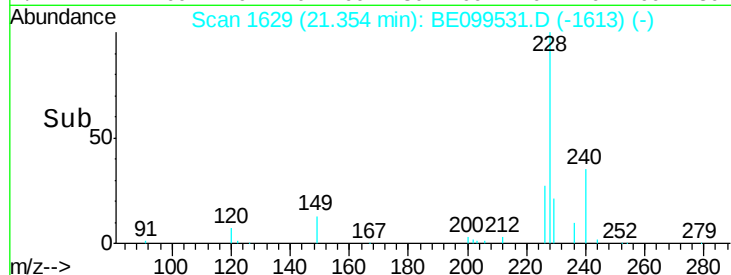
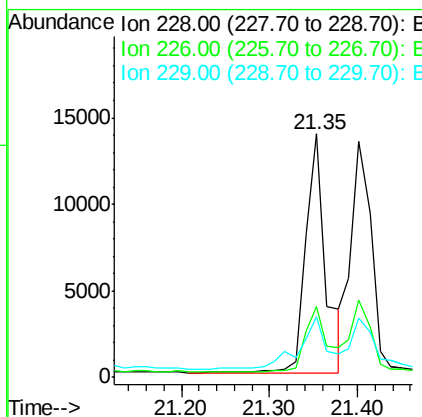
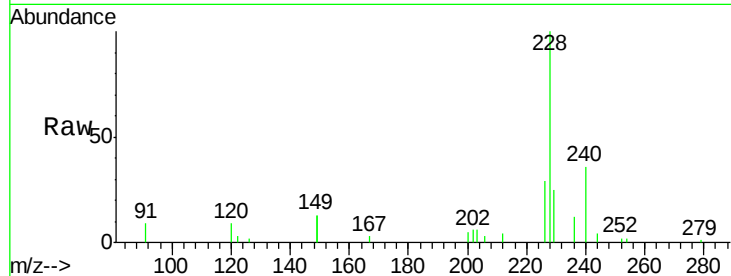
#30
Benzo(a)anthracene
Concen: 0.238 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Instrument :
BNA_E
ClientSampleId :
PST-001-B193-042519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.6
229	24.9	16.6	25.0

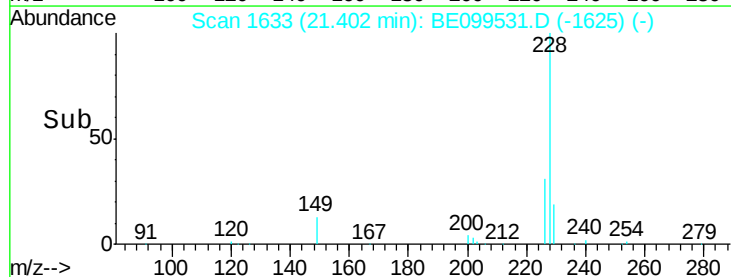
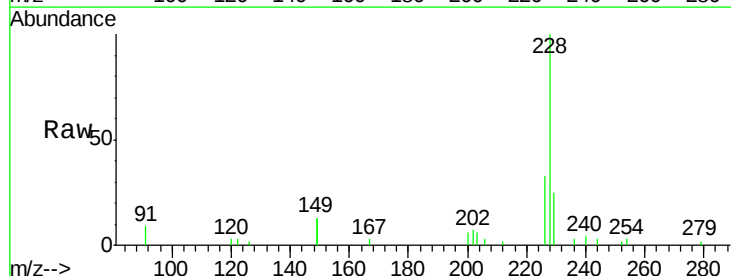
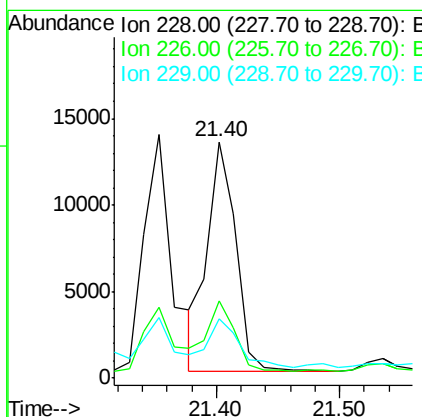
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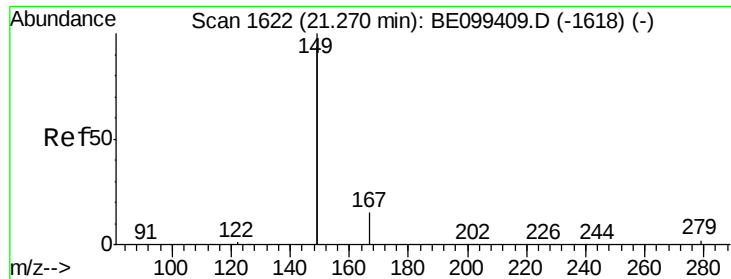
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#31
Chrysene
Concen: 0.233 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.0	36.0
229	25.0	15.8	23.8





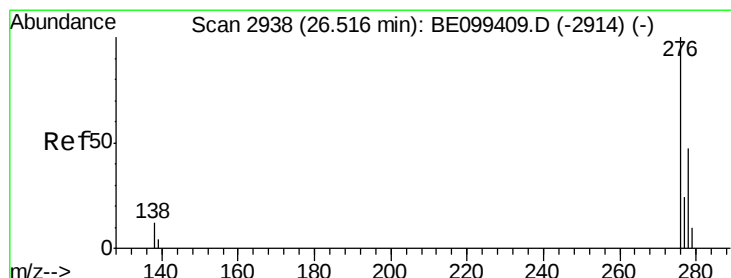
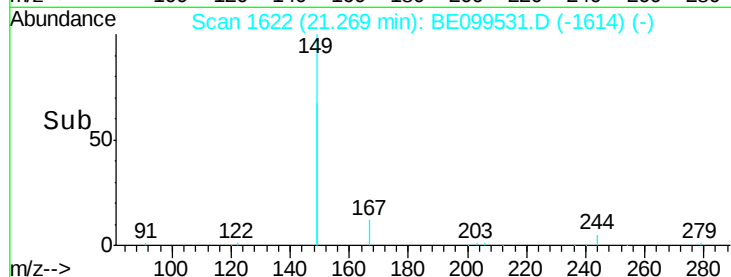
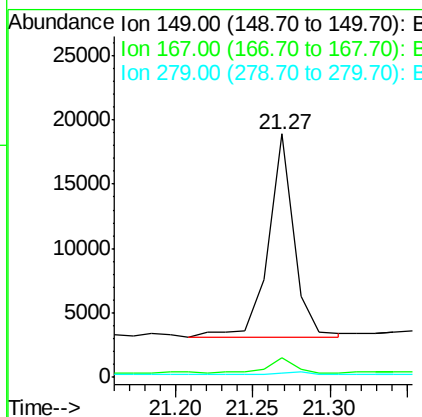
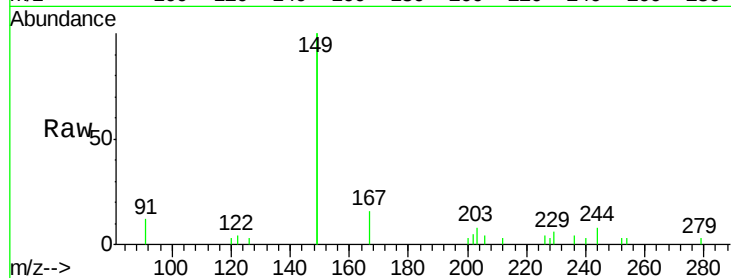
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.068 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B193-042519

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	18462		
167	6.8		5.8	8.6
279	1.3		1.0	1.6

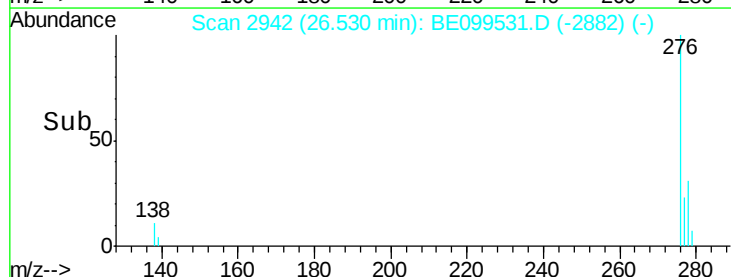
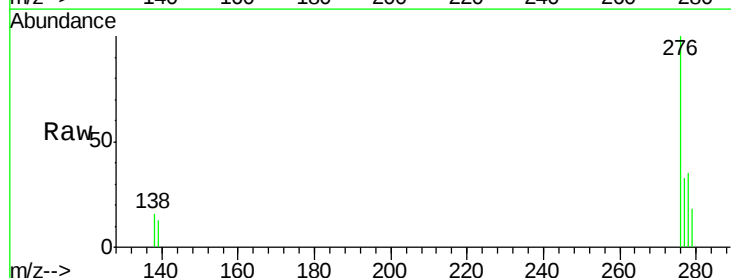
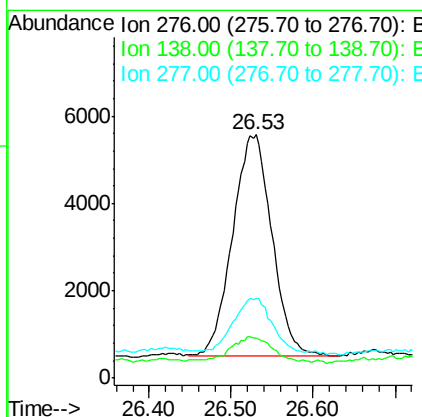
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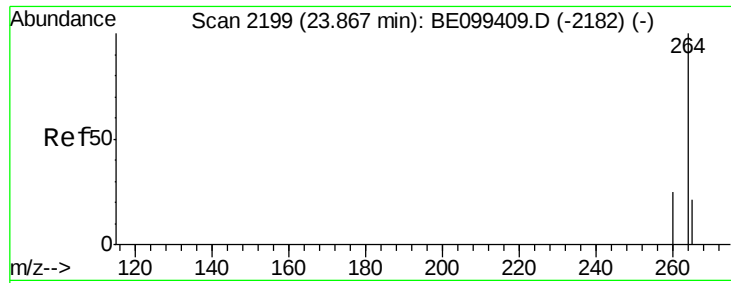
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.156 ng
 RT: 26.53 min Scan# 2942
 Delta R.T. 0.01 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	16946		
138	10.9		10.2	15.2
277	23.0		19.2	28.8





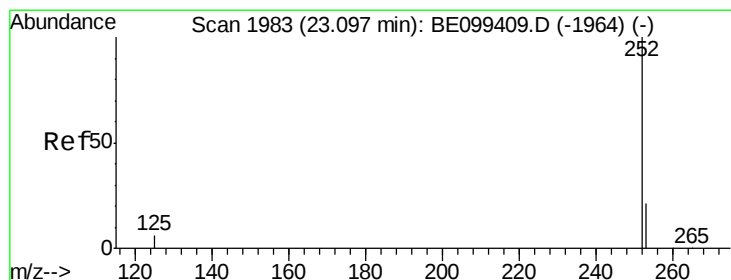
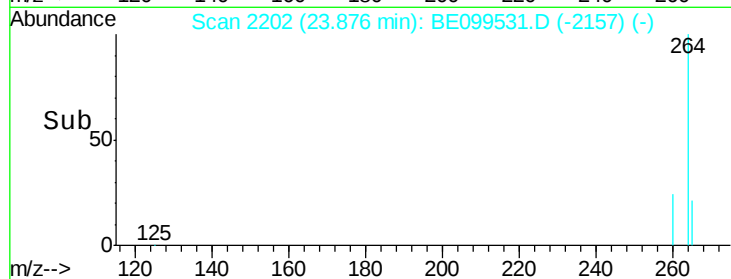
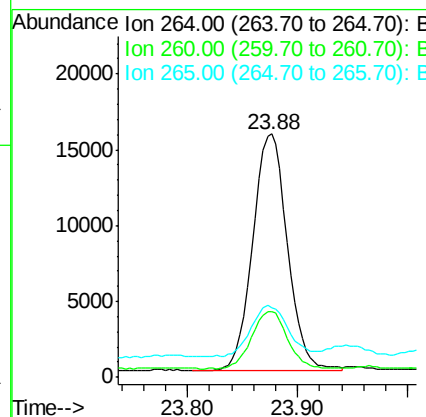
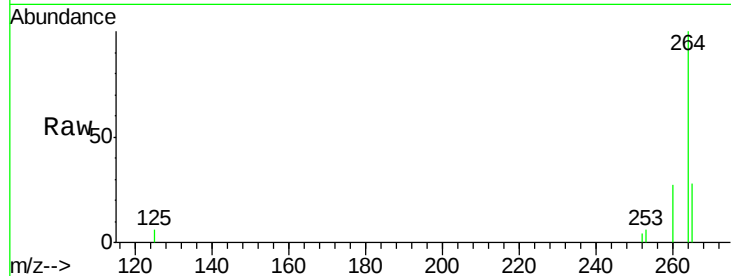
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2202
 Delta R.T. 0.01 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B193-042519

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	33867		
260	27.2	20.2	30.2	
265	28.4	21.3	31.9	

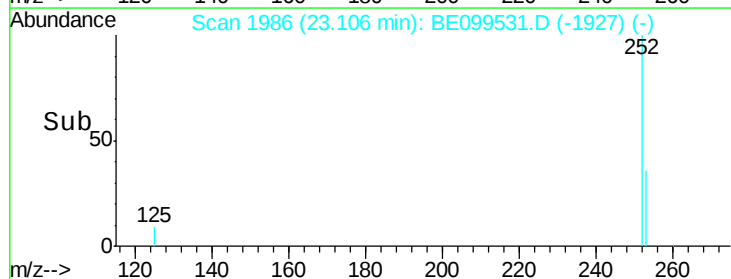
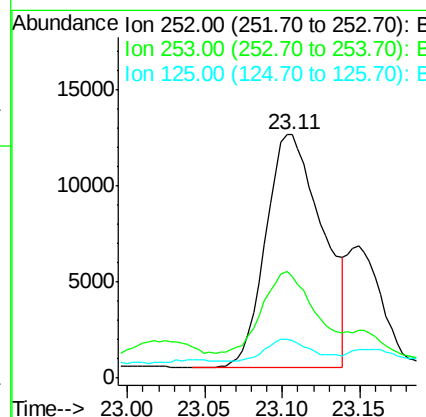
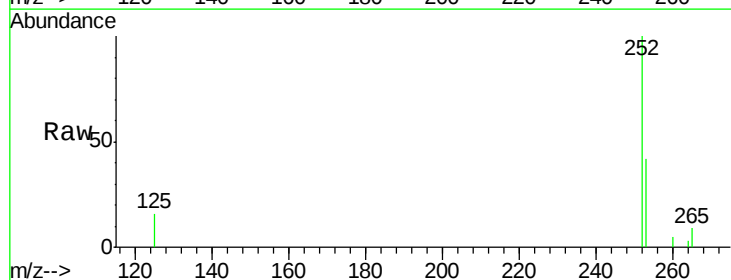
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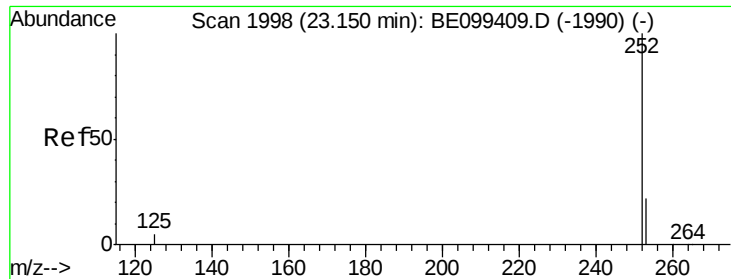
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#35
Benzo(b)fluoranthene
 Concen: 0.315 ng
 RT: 23.11 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	30755		
253	41.5	18.1	27.1#	
125	15.6	5.6	8.4#	





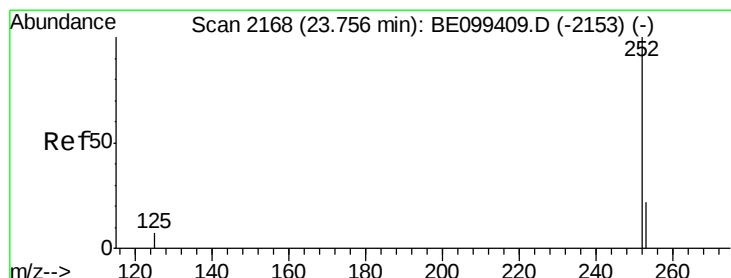
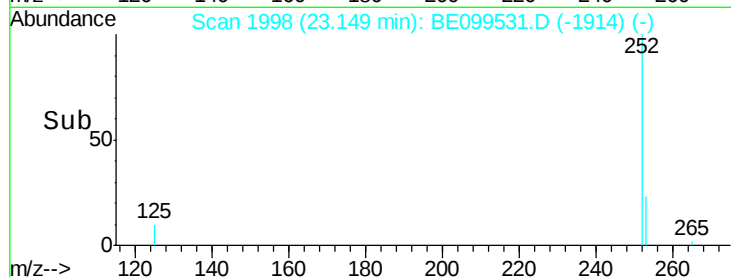
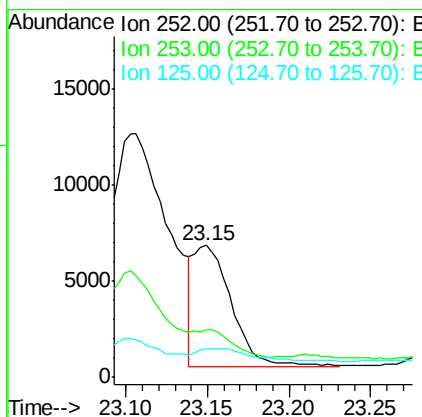
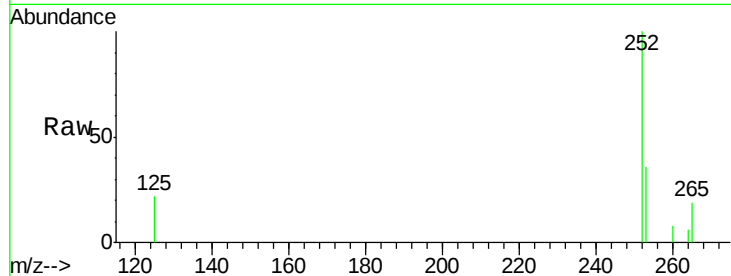
#36
Benzo(k)fluoranthene
Concen: 0.107 ng m
RT: 23.15 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Instrument :
BNA_E
ClientSampleId :
PST-001-B193-042519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.8	18.4	27.6#
125	21.7	5.0	7.4#

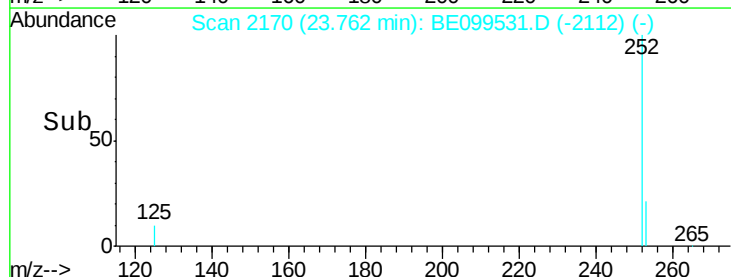
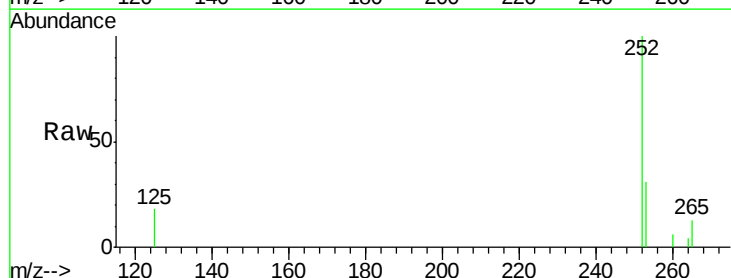
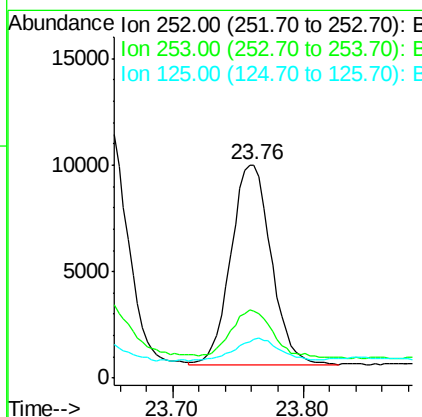
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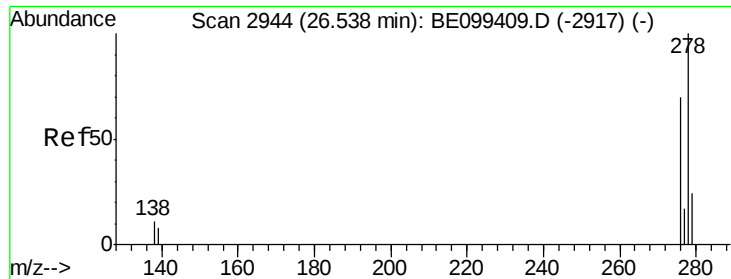
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#37
Benzo(a)pyrene
Concen: 0.216 ng
RT: 23.76 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BE099531.D
Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.9	28.3#
125	18.5	6.7	10.1#





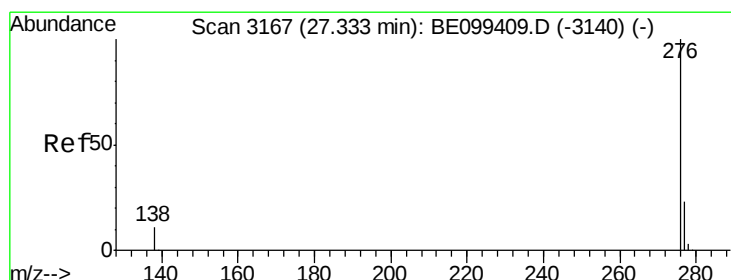
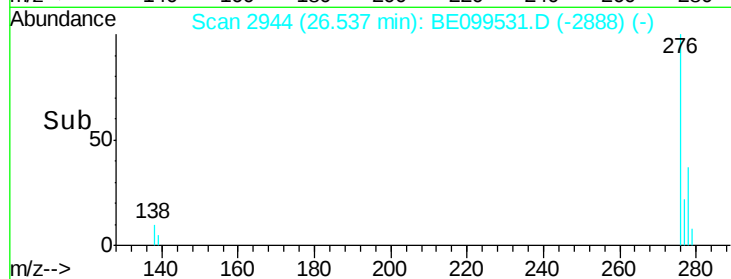
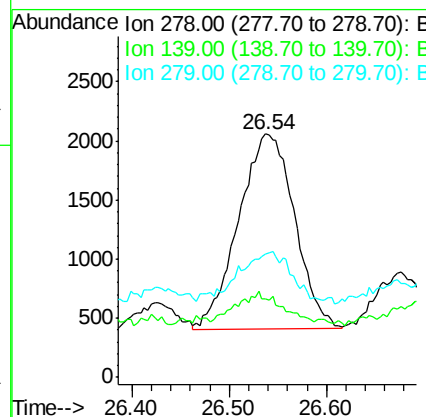
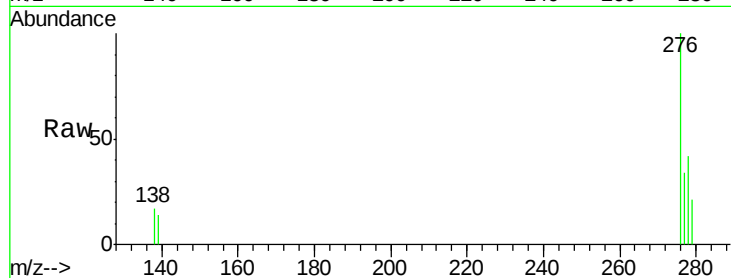
#38
 Dibenzo(a,h)anthracene
 Concen: 0.070 ng
 RT: 26.54 min Scan# 2944
 Delta R.T. -0.00 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B193-042519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.5	7.7	11.5#
279	50.5	20.2	30.2#

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#39
 Benzo(g,h,i)perylene
 Concen: 0.226 ng
 RT: 27.35 min Scan# 3171
 Delta R.T. 0.01 min
 Lab File: BE099531.D
 Acq: 3 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.3	19.5	29.3#
138	15.3	9.6	14.4#

