

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099499.D
 Acq On : 2 May 2019 18:44
 Operator : JU/SJ
 Sample : K2533-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Manual Integrations
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 5/3/2019 4:23:20 PM

Quant Time: May 03 05:04:10 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	2546	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8990	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6635	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20810	0.40	ng	0.00
27) Chrysene-d12	21.37	240	31074	0.40	ng	0.00
34) Perylene-d12	23.87	264	35292	0.40	ng	0.00

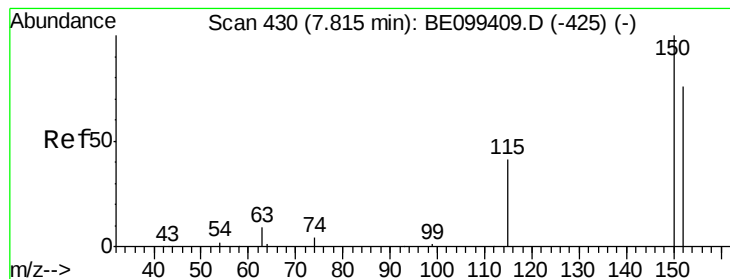
System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2196	0.31	ng	0.00
5) Phenol-d6	6.96	99	3197	0.34	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2600	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4321	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1496	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	6602	0.26	ng	0.00
25) Fluoranthene-d10	19.22	212	79241	0.28	ng	0.00
29) Terphenyl-d14	19.82	244	16256	0.29	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	5164	0.096	ng	96
26) Fluoranthene	19.25	202	24144	0.300	ng	99
28) Pyrene	19.62	202	22482	0.278	ng	# 96
30) Benzo(a)anthracene	21.34	228	13723m	0.139	ng	
31) Chrysene	21.40	228	17334	0.179	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.27	149	20443m	0.075	ng	
33) Indeno(1,2,3-cd)pyrene	26.51	276	11027	0.096	ng	98
35) Benzo(b)fluoranthene	23.10	252	22197	0.218	ng	# 86
36) Benzo(k)fluoranthene	23.14	252	7975m	0.081	ng	
37) Benzo(a)pyrene	23.76	252	14183	0.147	ng	# 86
38) Dibenzo(a,h)anthracene	26.53	278	2658	0.027	ng	# 58
39) Benzo(g,h,i)perylene	27.33	276	11203	0.114	ng	# 95

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



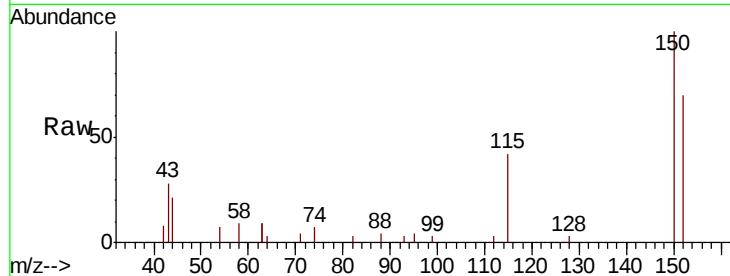
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.80 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
150	142.2	104.8	157.2
115	60.4	46.6	69.8

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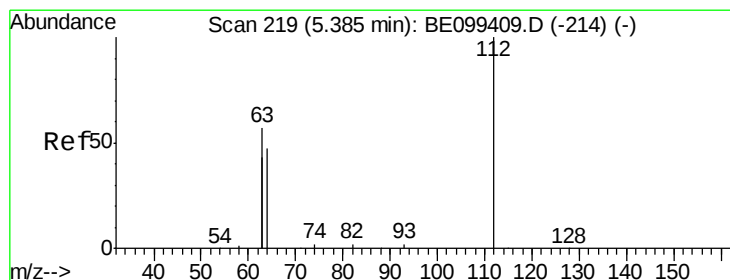
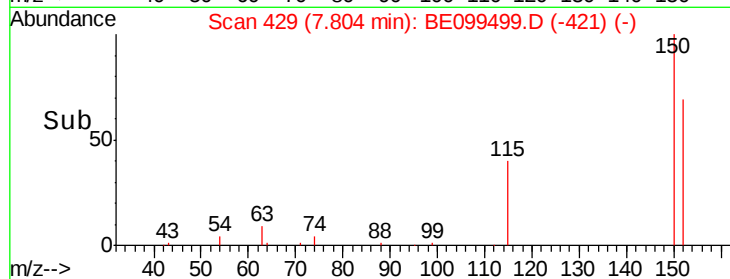
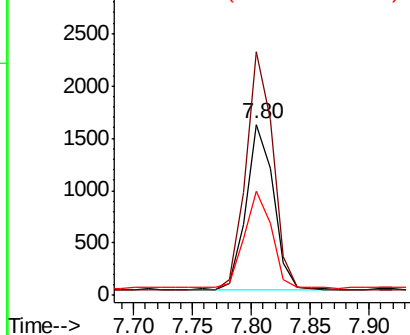


Abundance

Ion 152.00 (151.70 to 152.70): E

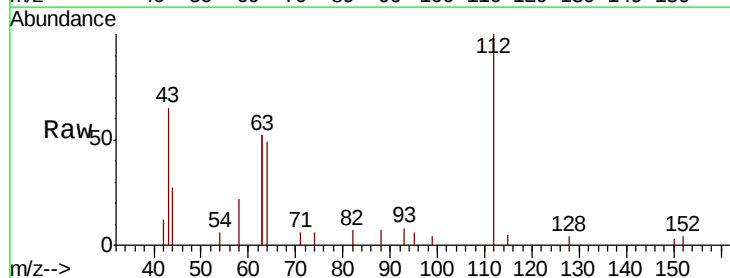
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4
 2-Fluorophenol
 Concen: 0.312 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.4	71.0
63	125.6	104.3	156.5

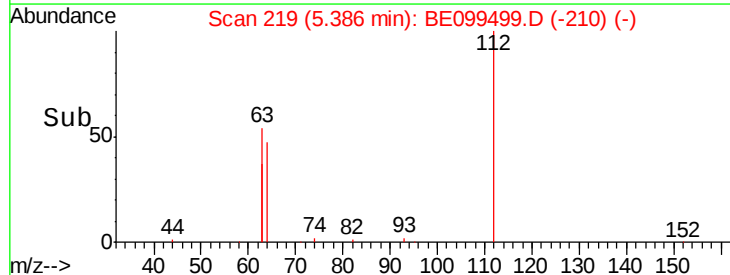
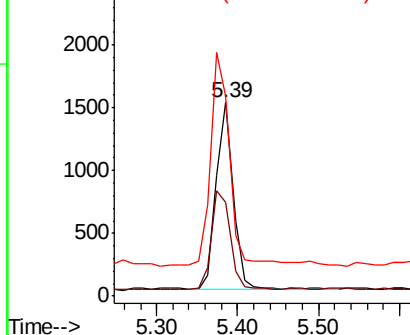


Abundance

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: 0.341 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099499.D

Acq: 2 May 2019 18:44

Instrument :

BNA_E

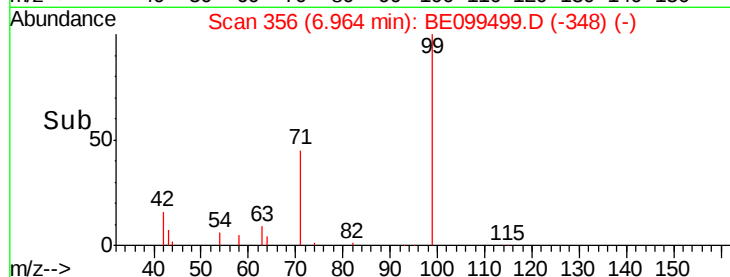
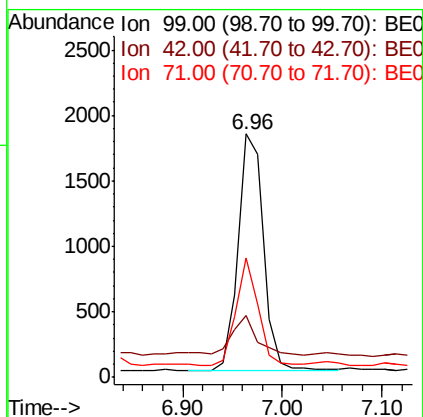
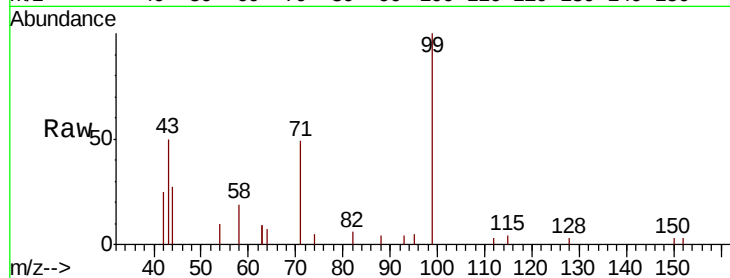
ClientSampleId :

PST-025-B031-042219

Tgt Ion:	99	Resp:	3197
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.9	22.3
71	39.8	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

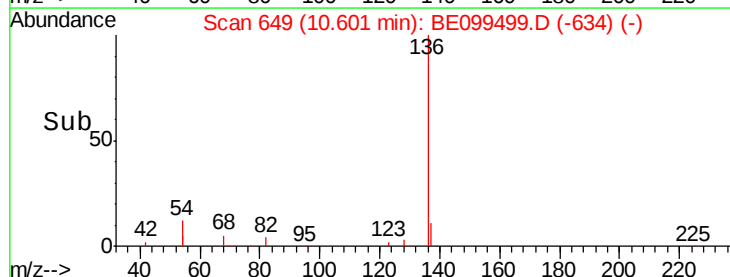
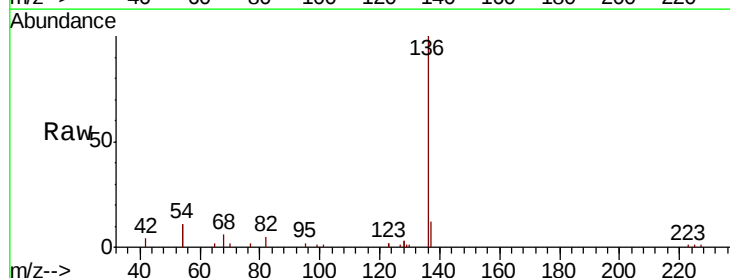
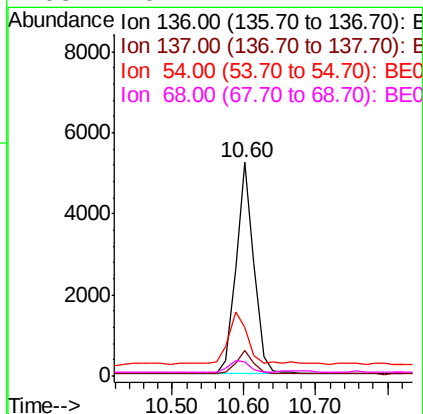
RT: 10.60 min Scan# 649

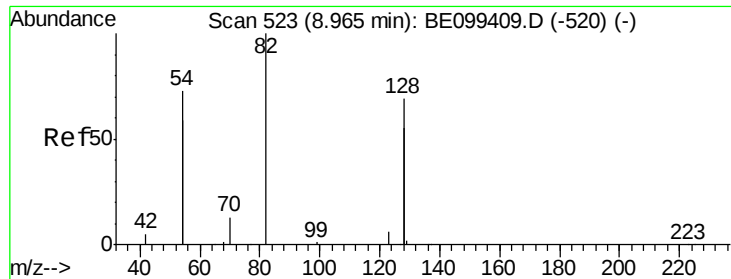
Delta R.T. -0.00 min

Lab File: BE099499.D

Acq: 2 May 2019 18:44

Tgt Ion:	136	Resp:	8990
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	22.8	18.5	27.7
68	6.4	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.309 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099499.D

Acq: 2 May 2019 18:44

Instrument :

BNA_E

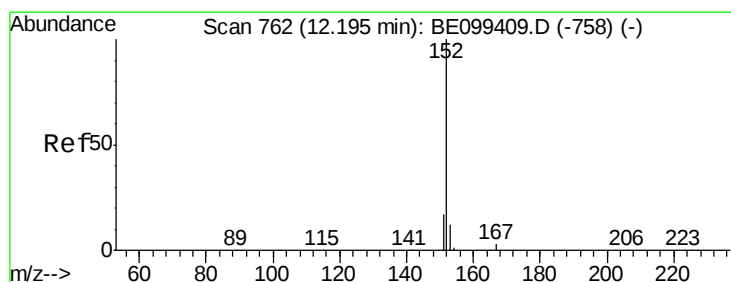
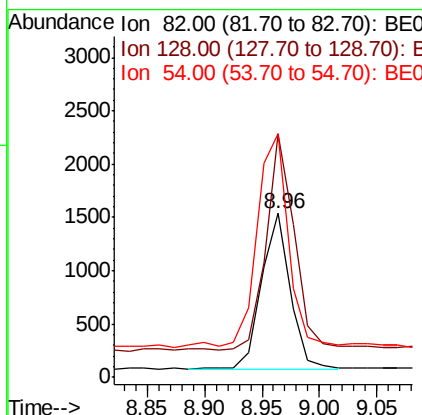
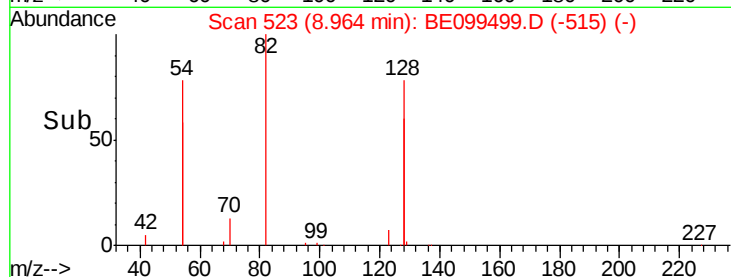
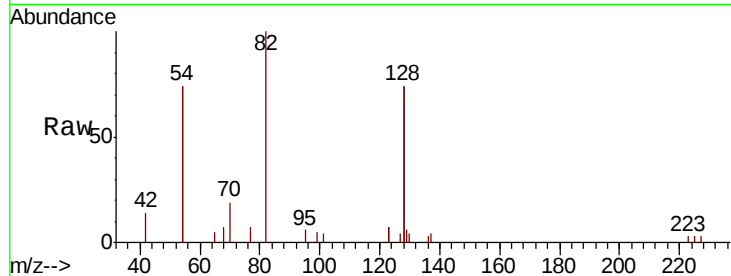
ClientSampleId :

PST-025-B031-042219

Tgt Ion:	82	Resp:	2600
Ion	Ratio	Lower	Upper
82	100		
128	148.1	107.0	160.4
54	148.4	113.1	169.7

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#11

2-Methylnaphthalene-d10

Concen: 0.267 ng

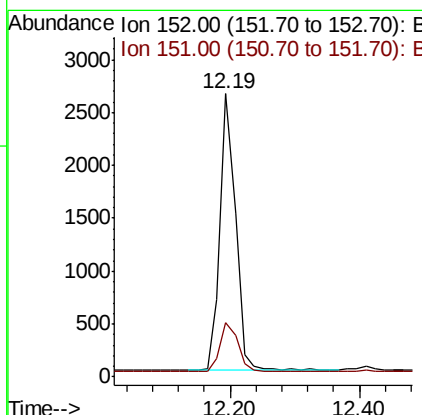
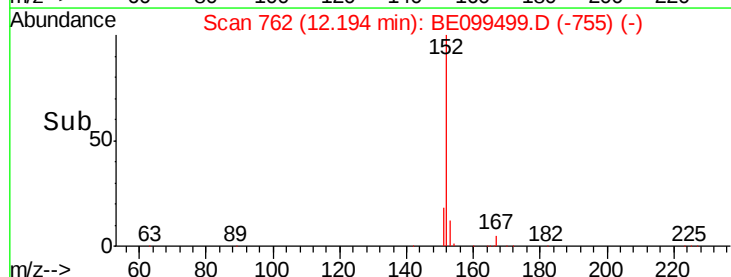
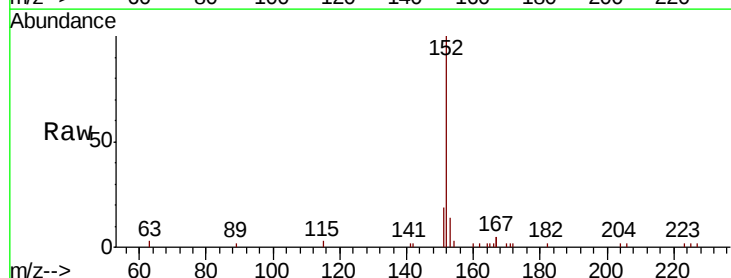
RT: 12.19 min Scan# 762

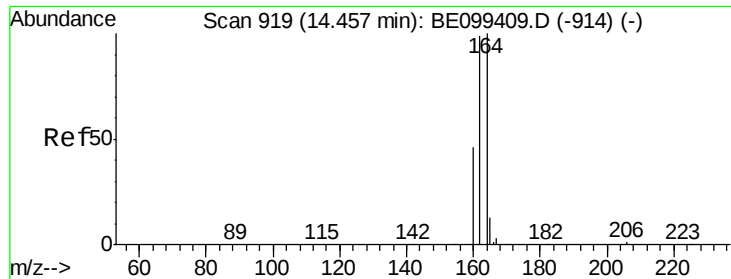
Delta R.T. -0.00 min

Lab File: BE099499.D

Acq: 2 May 2019 18:44

Tgt Ion:	152	Resp:	4321
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3





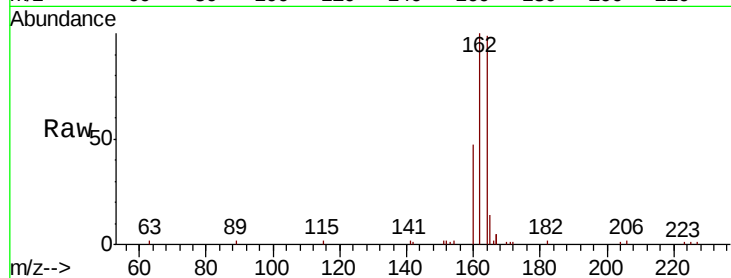
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.0	118.4
160	47.5	37.0	55.4

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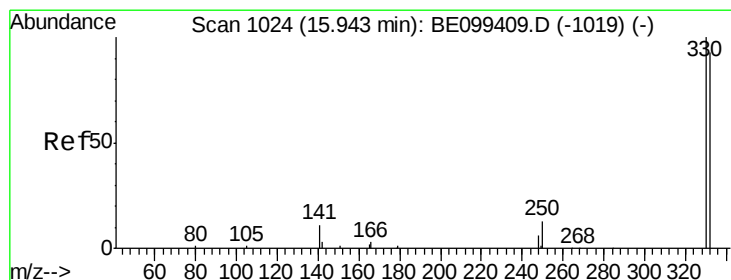
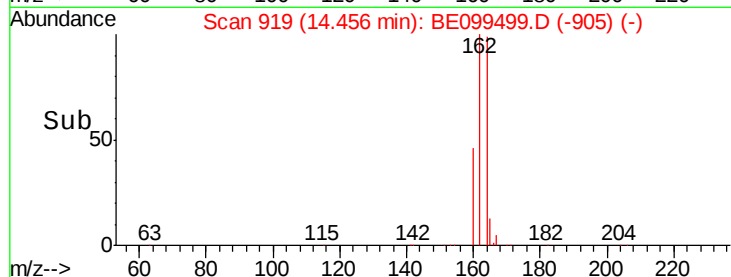
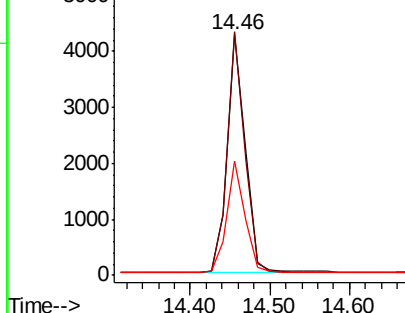


Abundance

Ion 164.00 (163.70 to 164.70): E

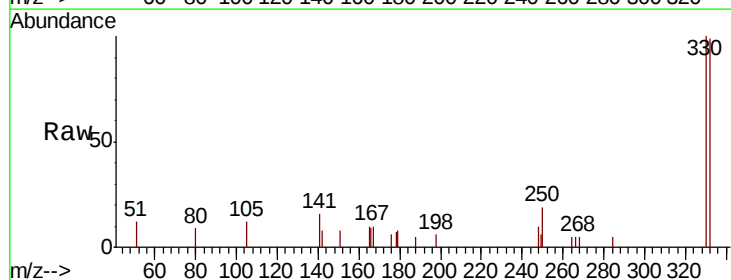
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.358 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.4	71.5	107.3
141	29.9	24.0	36.0

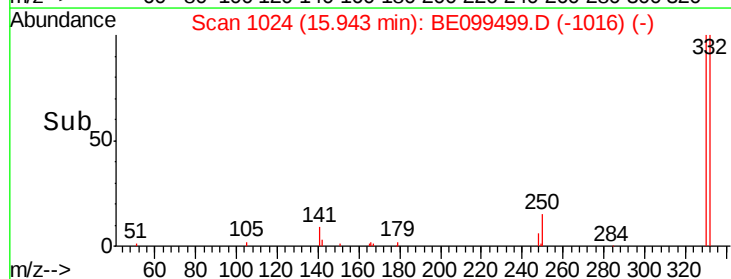
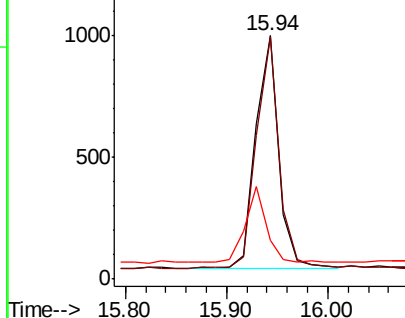


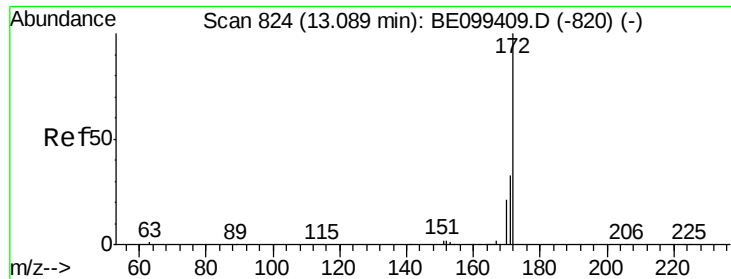
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





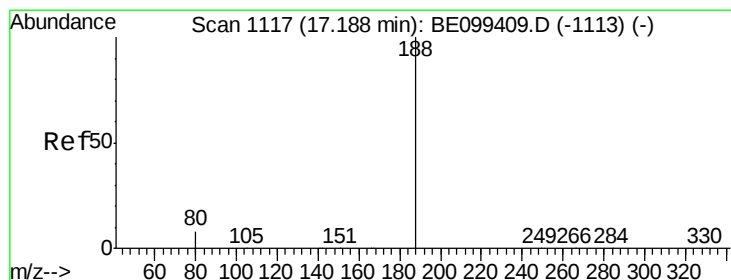
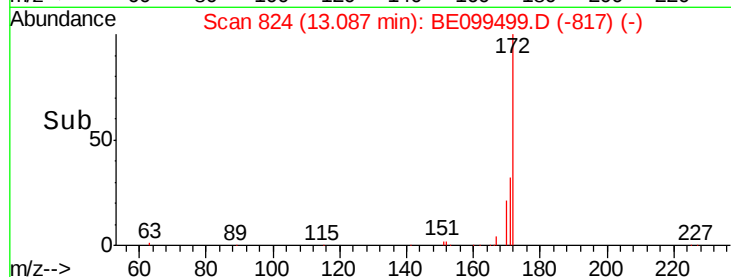
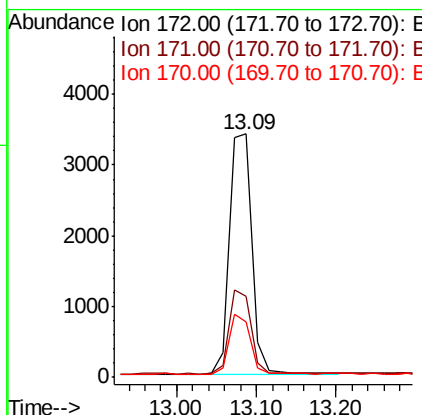
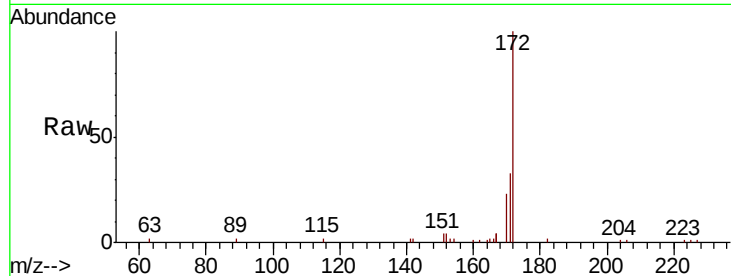
#15
 2-Fluorobiphenyl
 Concen: 0.261 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.6	39.8
170	22.7	17.0	25.6

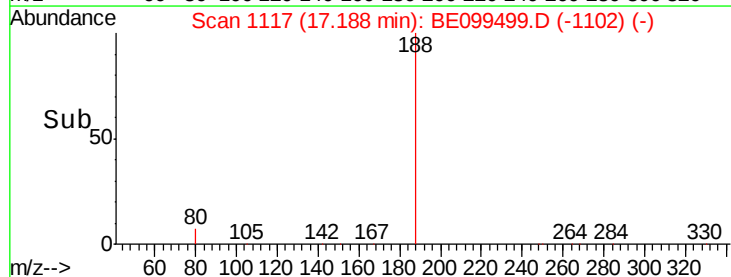
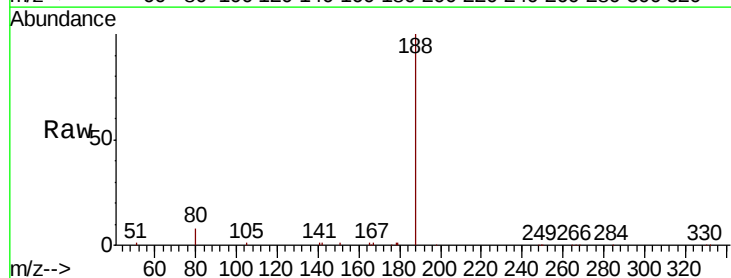
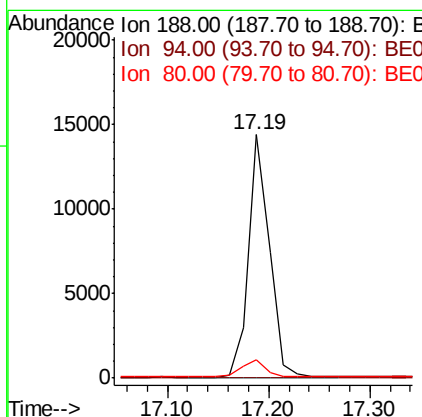
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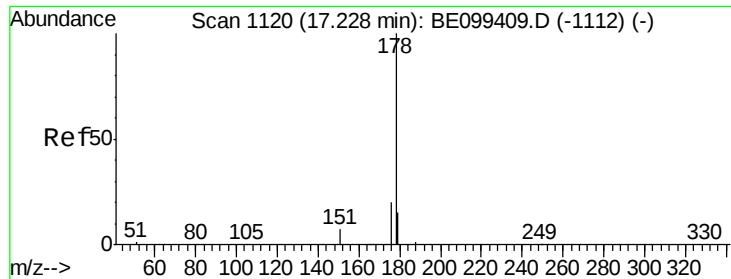
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	6.7	10.1





#23

Phenanthrene

Concen: 0.096 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099499.D

Acq: 2 May 2019 18:44

Instrument :

BNA_E

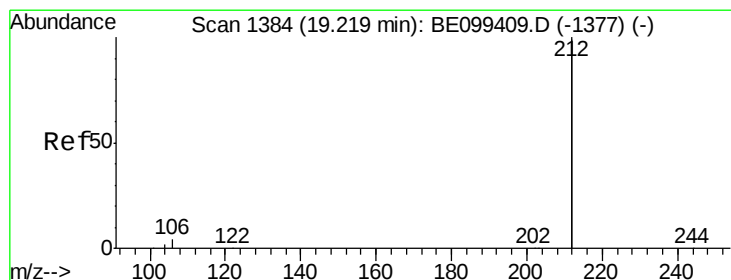
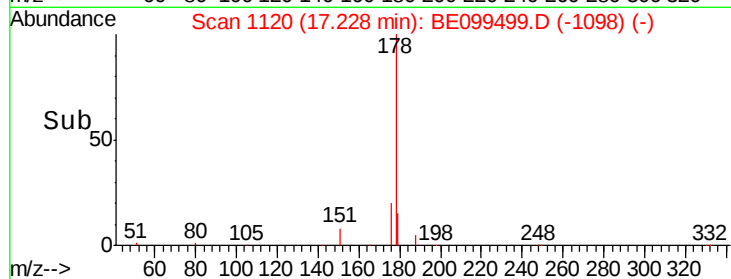
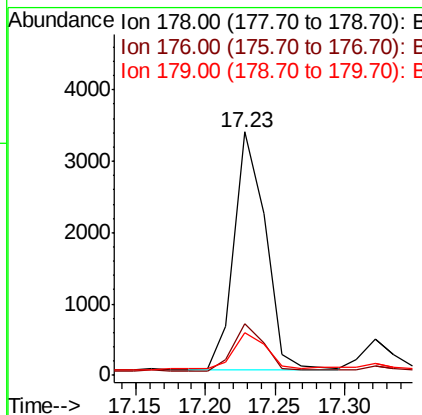
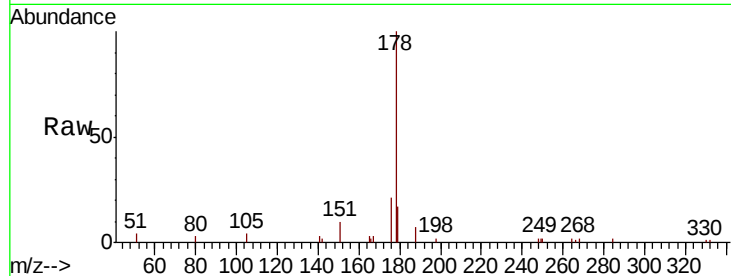
ClientSampleId :

PST-025-B031-042219

Tgt Ion:	178	Resp:	5164
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.6	23.4
179	17.8	12.0	18.0

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#25

Fluoranthene-d10

Concen: 0.283 ng

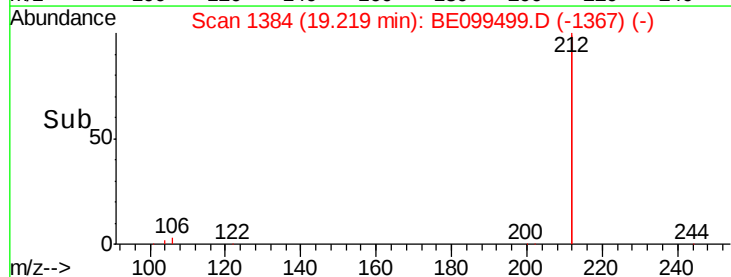
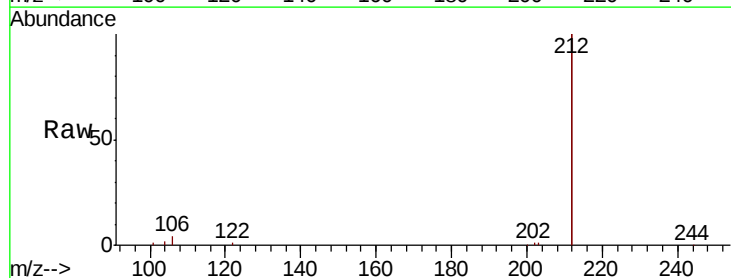
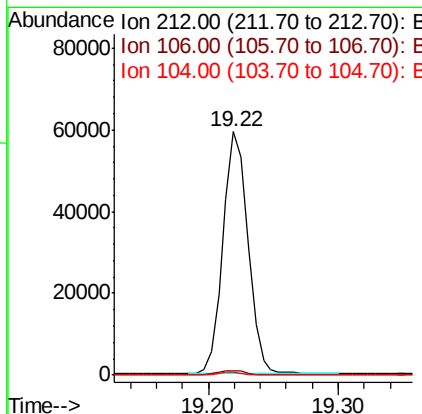
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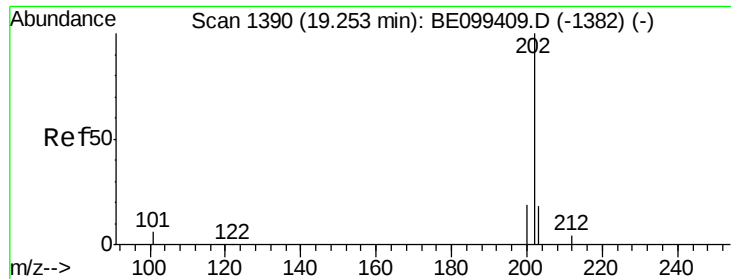
Delta R.T. 0.00 min

Lab File: BE099499.D

Acq: 2 May 2019 18:44

Tgt Ion:	212	Resp:	79241
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3





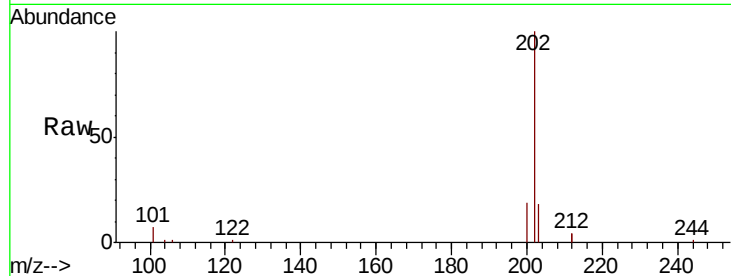
#26
 Fluoranthene
 Concen: 0.300 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	24144		
101	7.0		5.4	8.0
203	17.7		13.9	20.9

Manual Integrations
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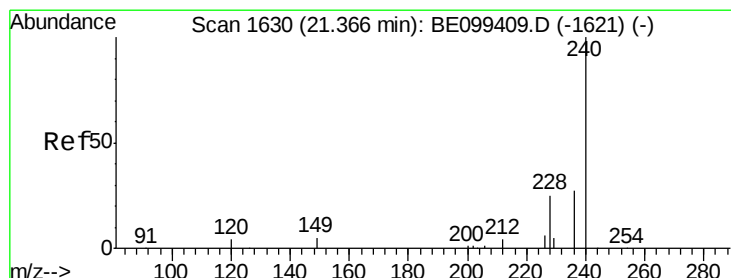
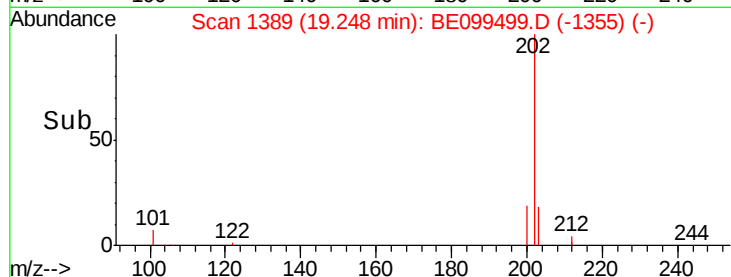
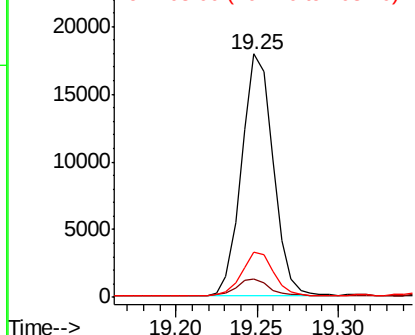


Abundance

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: BE099499.D
 Acq: 2 May 2019 18:44

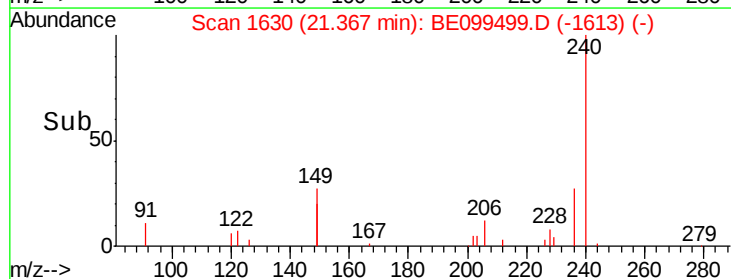
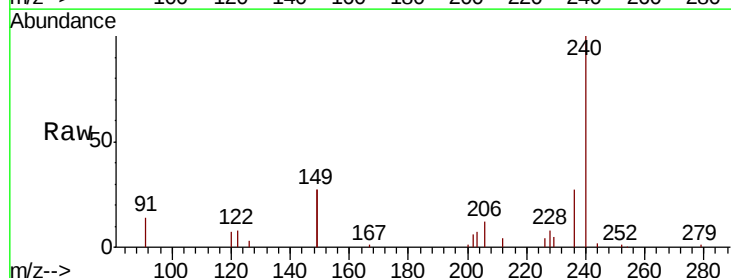
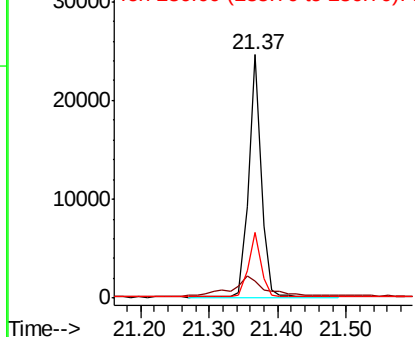
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31074		
120	7.0		4.0	6.0#
236	27.2		22.0	33.0

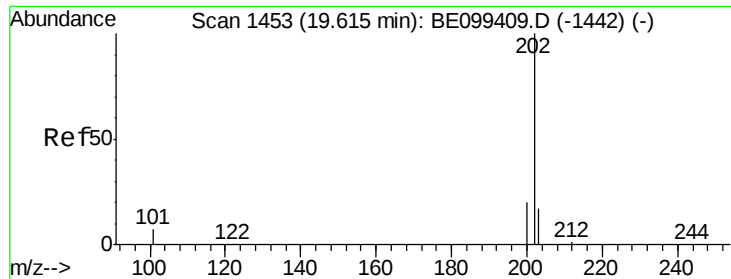
Abundance

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





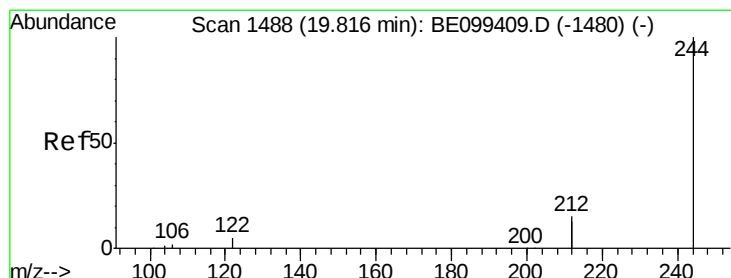
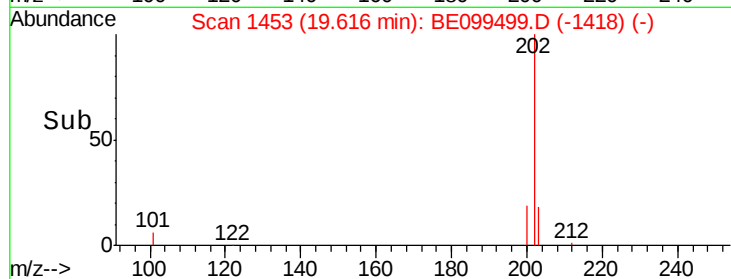
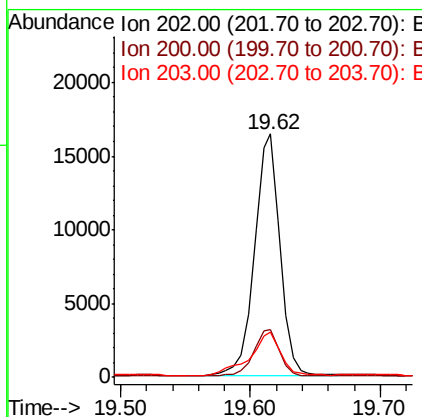
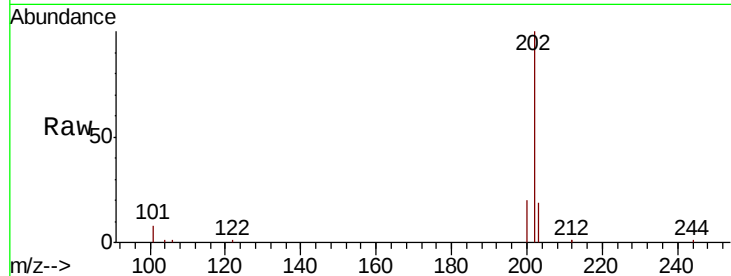
#28
 Pyrene
 Concen: 0.278 ng
 RT: 19.62 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	21.3	13.9	20.9

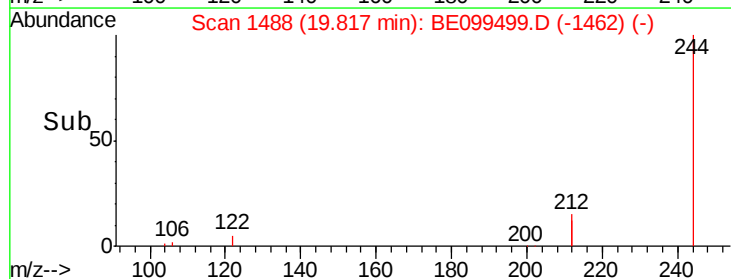
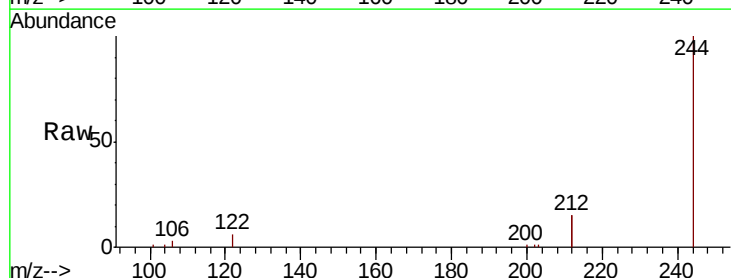
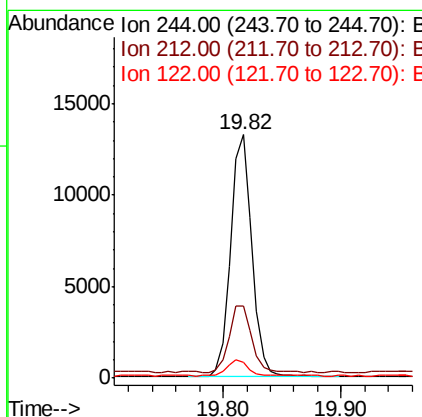
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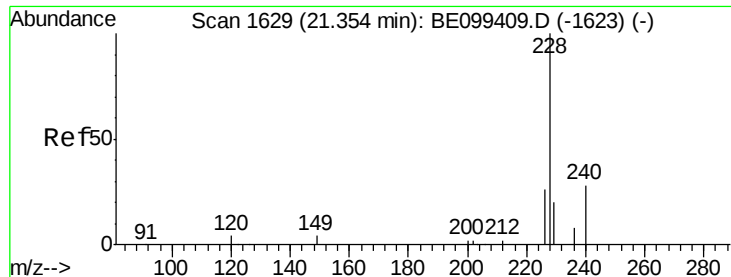
Sohil
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#29
 Terphenyl-d14
 Concen: 0.286 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.6	23.2	34.8
122	6.2	4.2	6.4





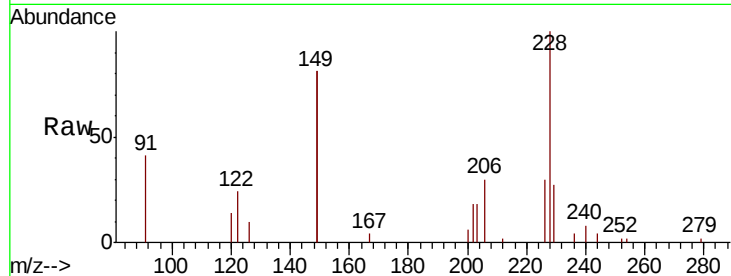
#30
Benzo(a)anthracene
Concen: 0.139 ng m
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099499.D
Acq: 2 May 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.0	31.6
229	27.3	16.6	25.0

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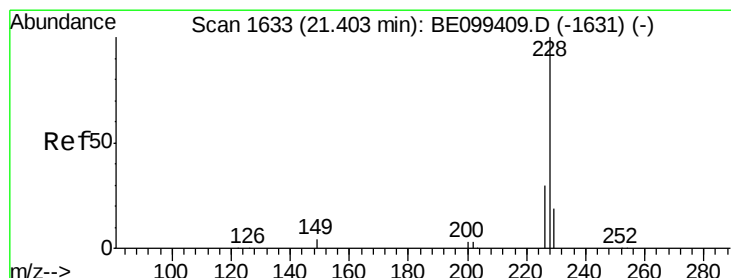
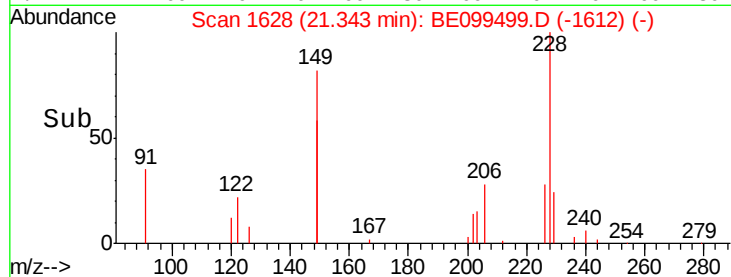
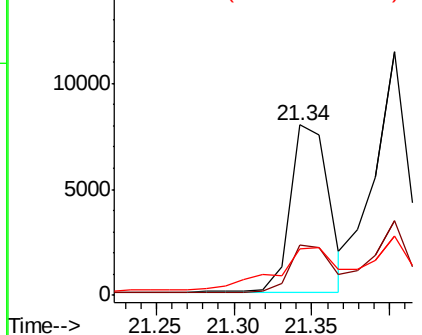


Abundance

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: 0.179 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099499.D
Acq: 2 May 2019 18:44

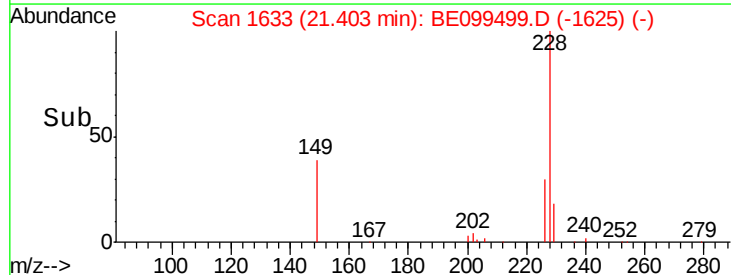
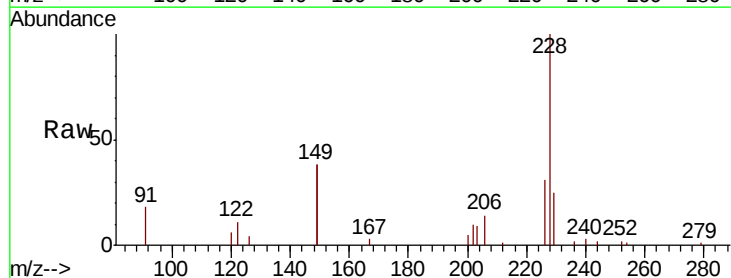
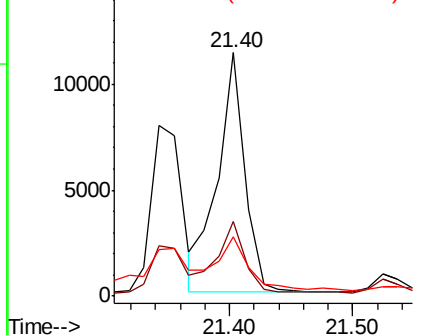
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	24.5	15.8	23.8

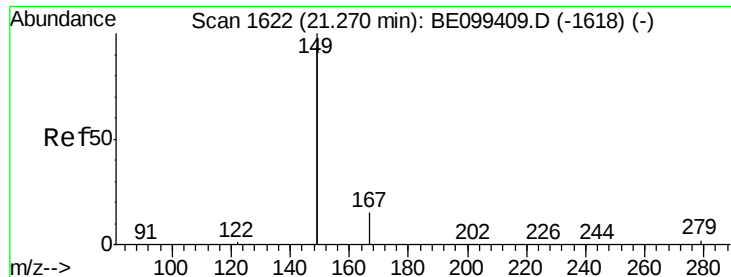
Abundance

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





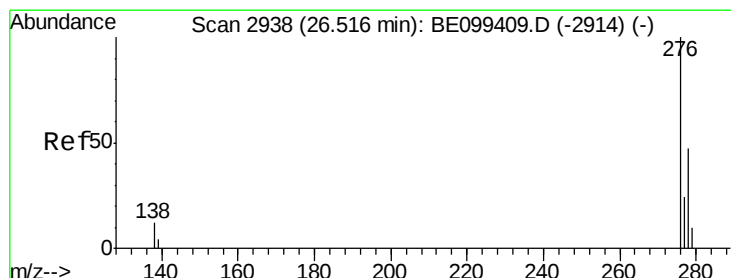
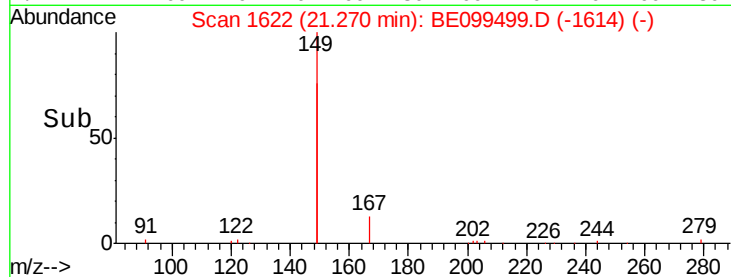
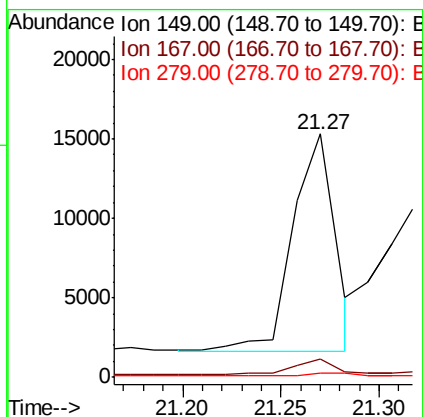
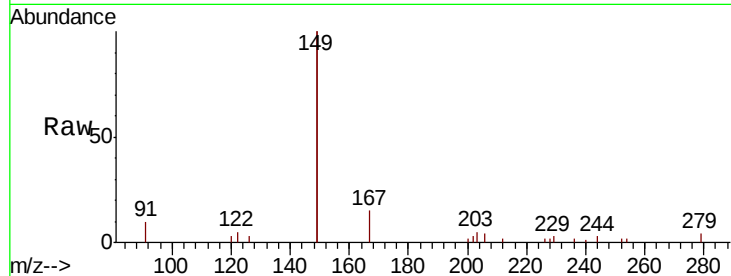
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.075 ng m
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.8	8.6
279	1.3	1.0	1.6

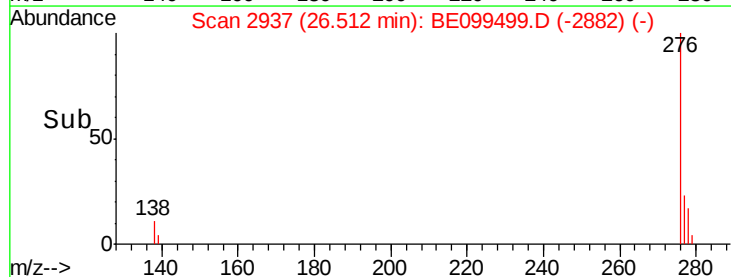
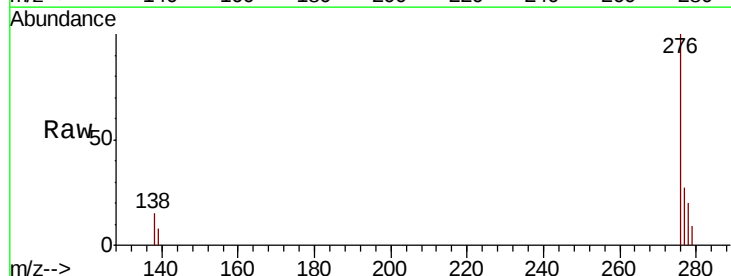
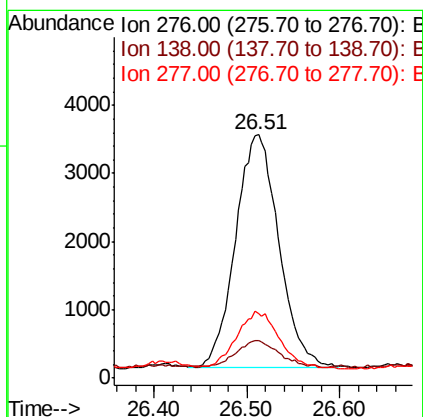
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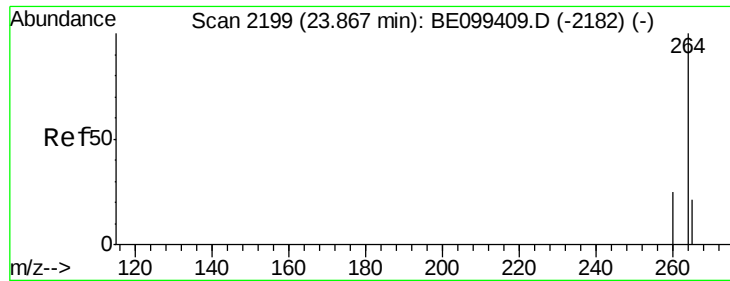
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.096 ng
 RT: 26.51 min Scan# 2937
 Delta R.T. -0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.7	10.2	15.2
277	24.9	19.2	28.8





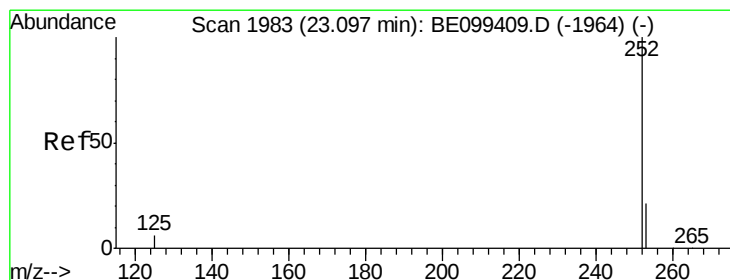
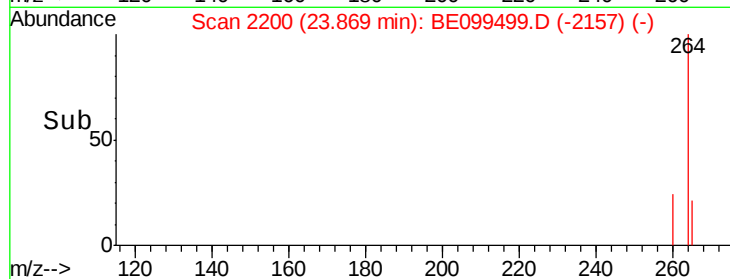
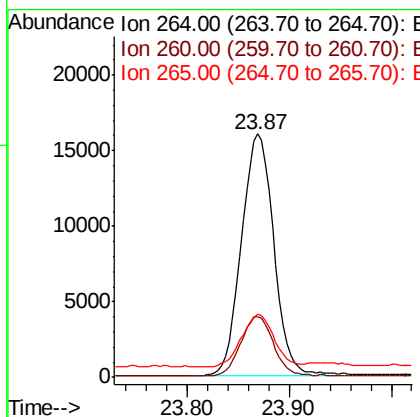
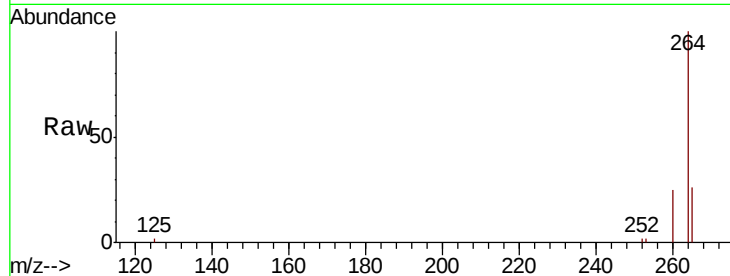
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	25.7	21.3	31.9

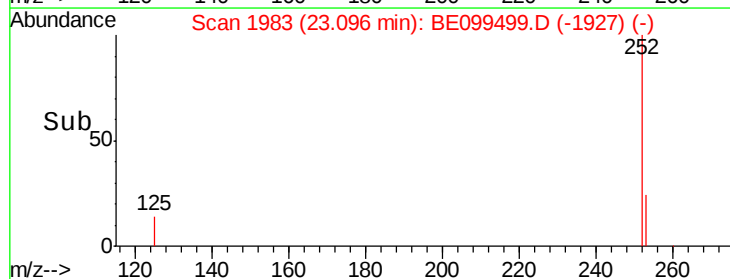
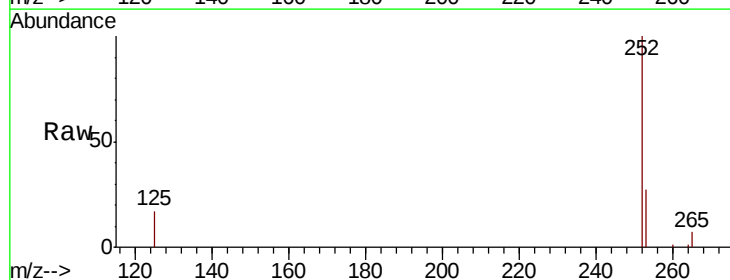
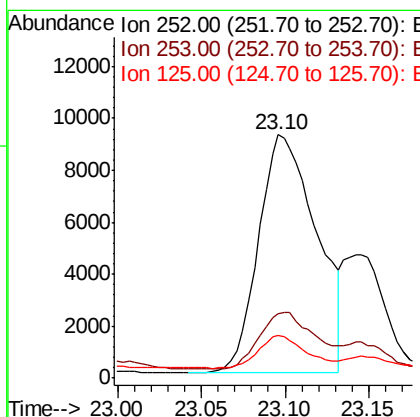
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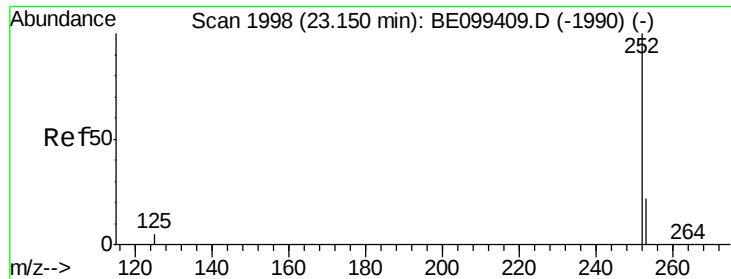
Sohil
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#35
Benzo(b)fluoranthene
 Concen: 0.218 ng
 RT: 23.10 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: BE099499.D
 Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	17.3	5.6	8.4





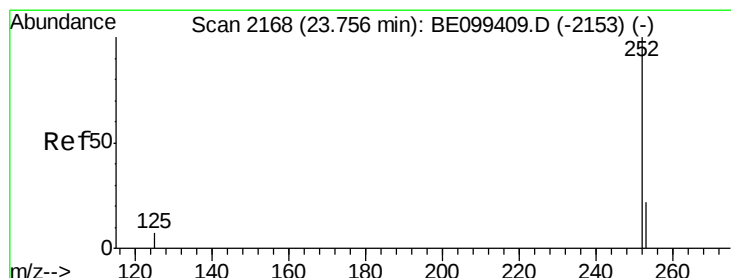
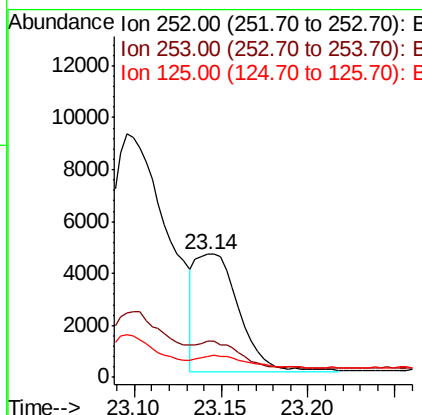
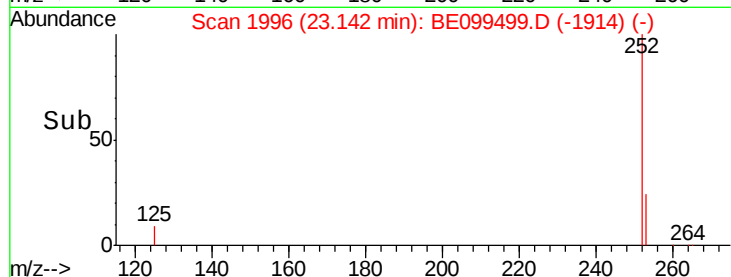
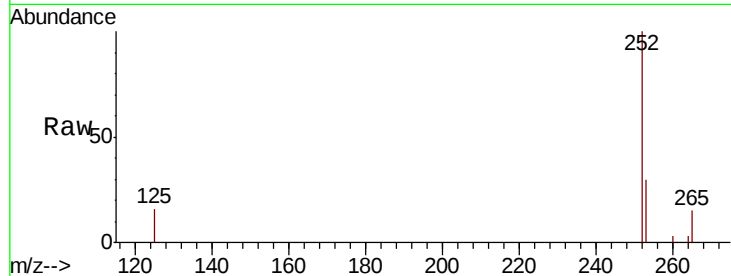
#36
Benzo(k)fluoranthene
Concen: 0.081 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099499.D
Acq: 2 May 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-025-B031-042219

Tgt Ion: 252 Resp: 7975
Ion Ratio Lower Upper
252 100
253 29.8 18.4 27.6#
125 16.5 5.0 7.4#

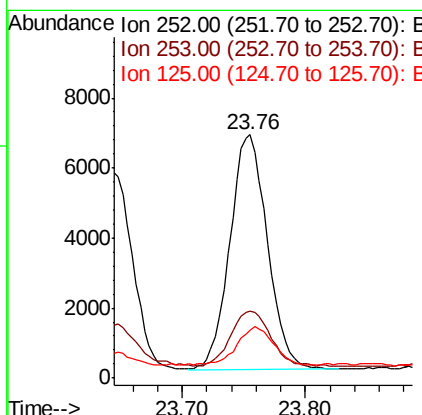
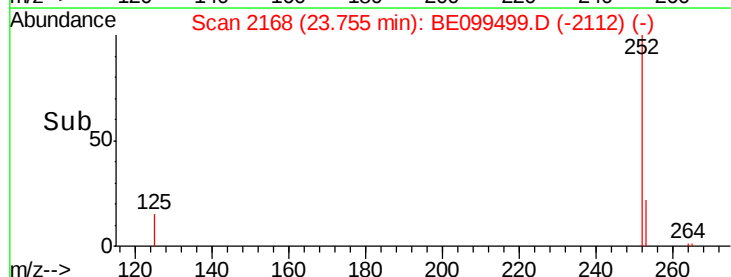
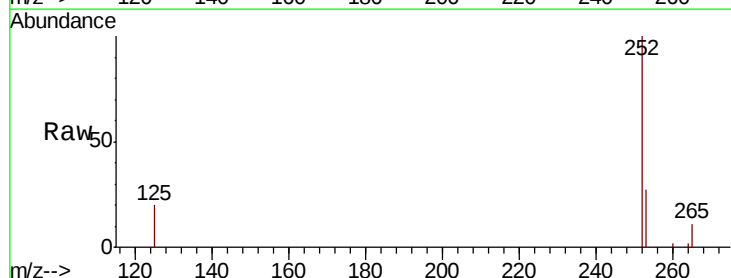
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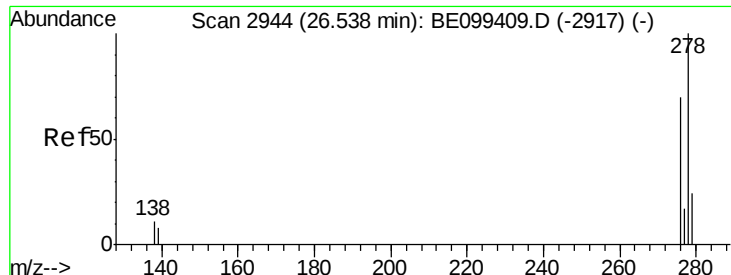
Sohil
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#37
Benzo(a)pyrene
Concen: 0.147 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099499.D
Acq: 2 May 2019 18:44

Tgt Ion: 252 Resp: 14183
Ion Ratio Lower Upper
252 100
253 27.4 18.9 28.3
125 19.9 6.7 10.1#





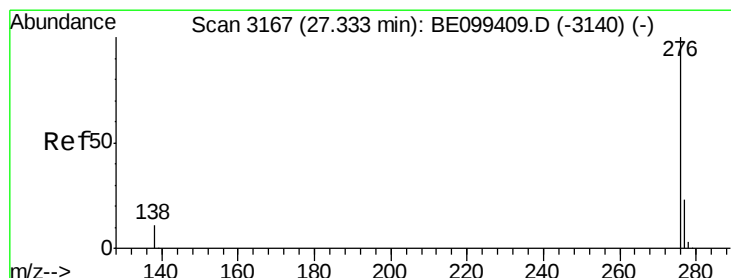
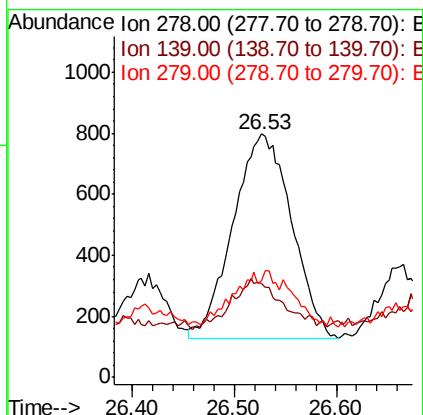
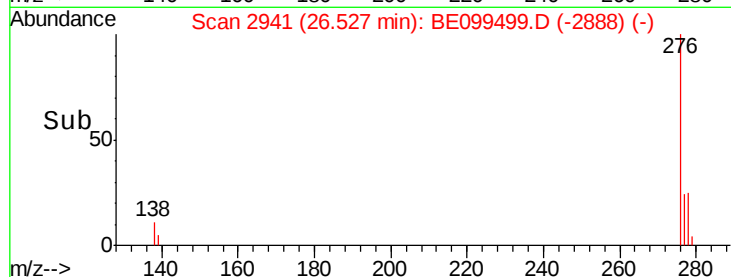
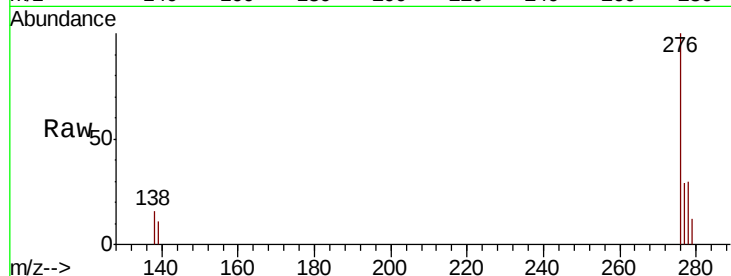
#38
Dibenzo(a,h)anthracene
Concen: 0.027 ng
RT: 26.53 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BE099499.D
Acq: 2 May 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-025-B031-042219

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.7	7.7	11.5#
279	39.3	20.2	30.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.114 ng
RT: 27.33 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BE099499.D
Acq: 2 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.5	29.3
138	14.5	9.6	14.4#

