

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099504.D
 Acq On : 2 May 2019 21:43
 Operator : JU/SJ
 Sample : K2589-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

Manual Integrations
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 5/3/2019 4:23:33 PM

Quant Time: May 03 05:17:18 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	2236	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8052	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6006	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18780	0.40	ng	0.00
27) Chrysene-d12	21.36	240	25660	0.40	ng	0.00
34) Perylene-d12	23.87	264	29907	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2242	0.36	ng	0.00
5) Phenol-d6	6.96	99	3150	0.38	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2551	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4516	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1484	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6811	0.30	ng	-0.02
25) Fluoranthene-d10	19.22	212	81028	0.32	ng	0.00
29) Terphenyl-d14	19.82	244	15634	0.33	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	725	0.025	ng	95
23) Phenanthrene	17.23	178	2141	0.044	ng	96
26) Fluoranthene	19.25	202	7347	0.101	ng	# 98
28) Pyrene	19.62	202	8282	0.124	ng	96
30) Benzo(a)anthracene	21.35	228	5515	0.067	ng	# 83
31) Chrysene	21.40	228	4557	0.057	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.27	149	17970	0.084	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.51	276	2572	0.027	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	5445	0.063	ng	# 45
36) Benzo(k)fluoranthene	23.15	252	1920m	0.023	ng	
37) Benzo(a)pyrene	23.76	252	3954	0.048	ng	# 49
39) Benzo(g,h,i)perylene	27.33	276	2523	0.030	ng	# 74

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

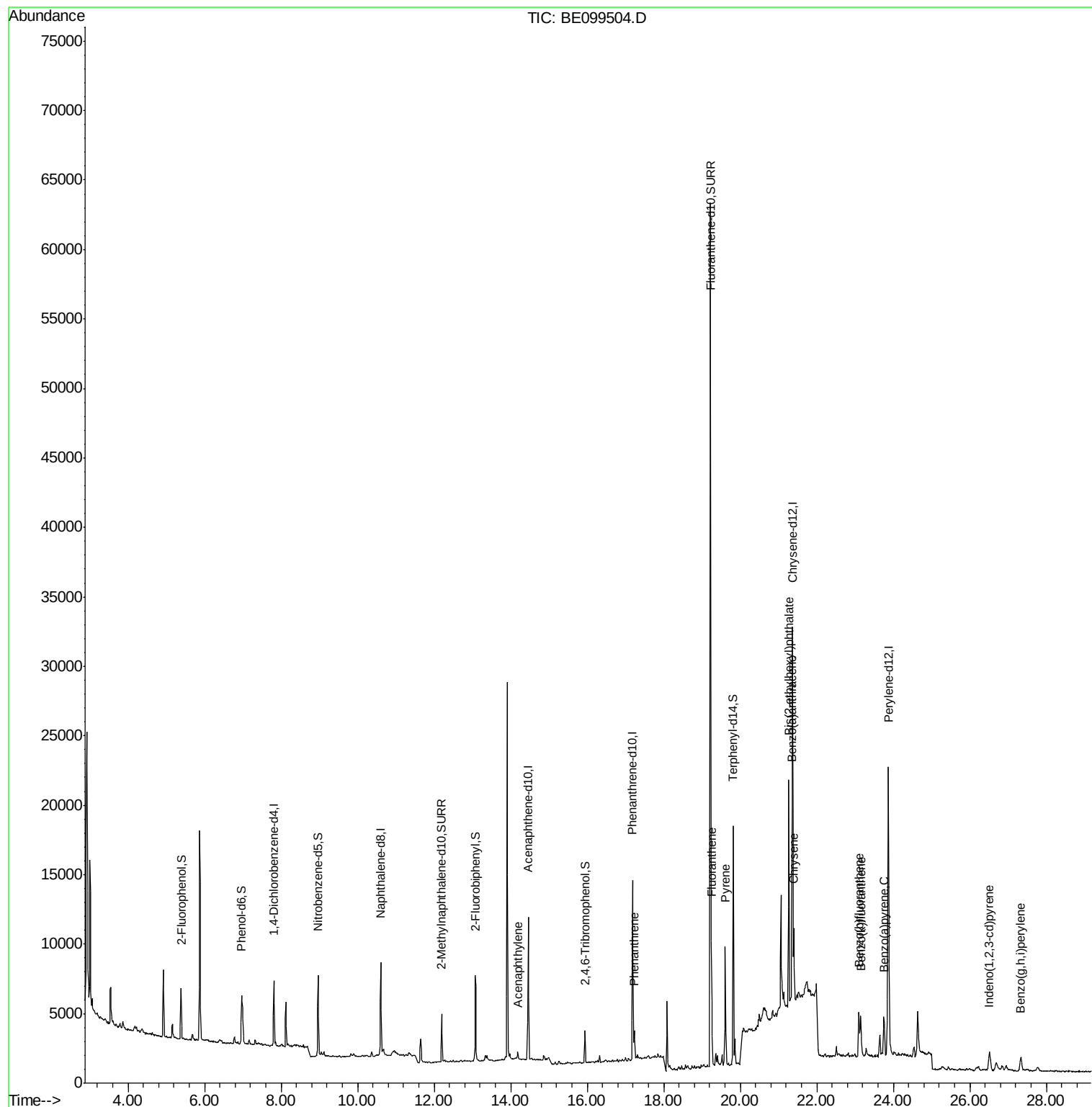
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099504.D
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Operator : JU/SJ
Sample : K2589-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

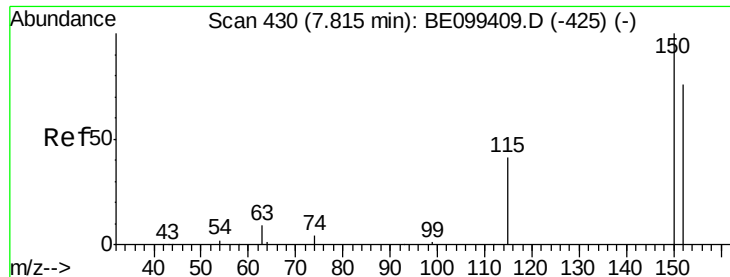
Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

Quant Time: May 03 05:17:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

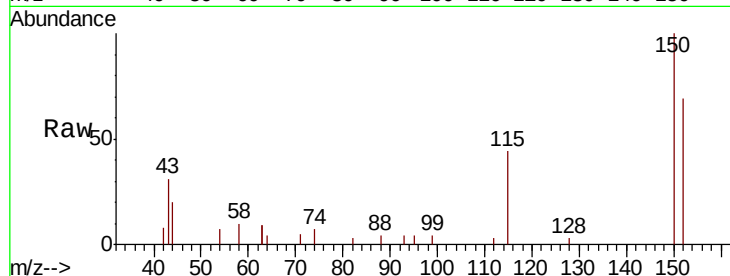
ClientSampleId :

PST-001-SW016-042419

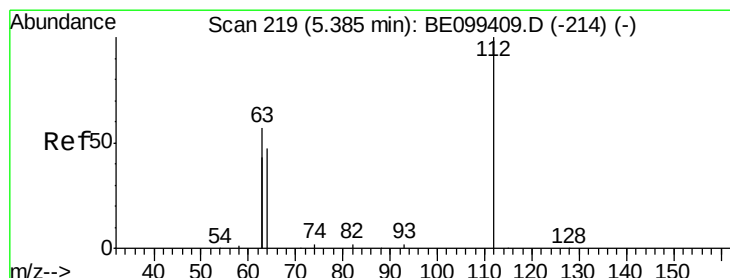
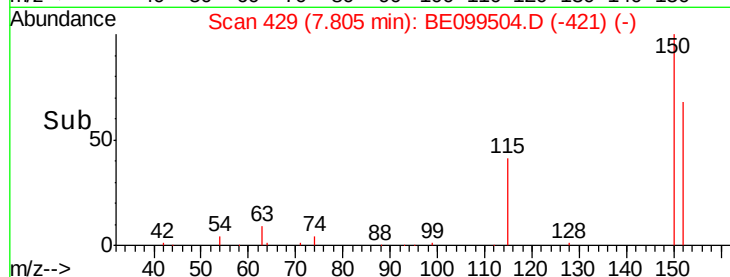
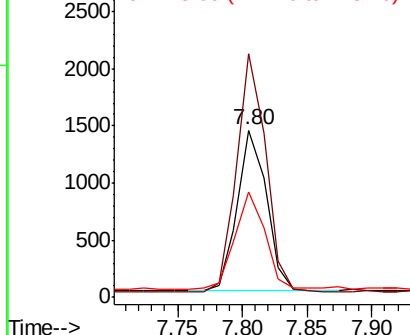
Tgt Ion:	152	Resp:	2236
Ion Ratio	Lower	Upper	
152	100		
150	145.9	104.8	157.2
115	63.4	46.6	69.8

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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: 0.363 ng

RT: 5.39 min Scan# 219

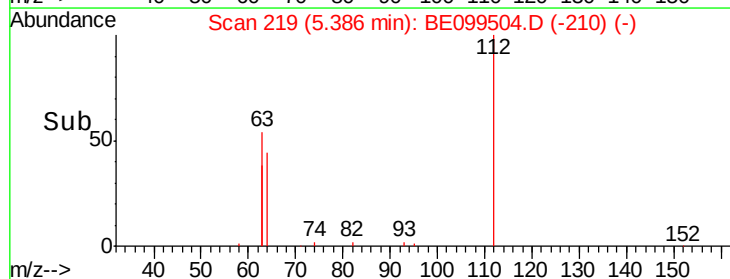
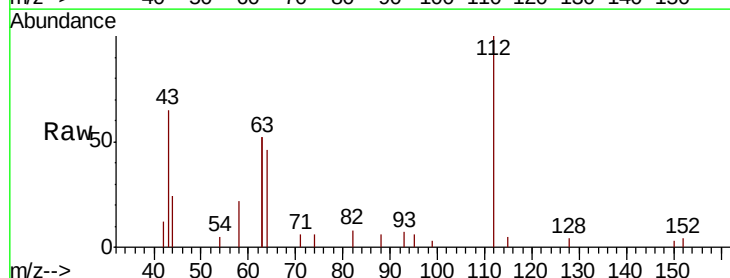
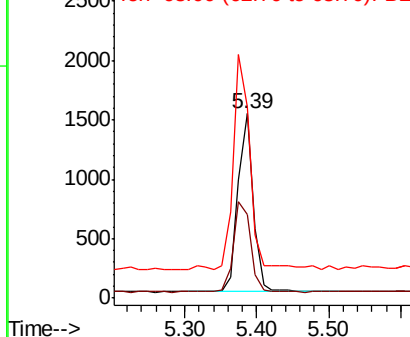
Delta R.T. 0.00 min

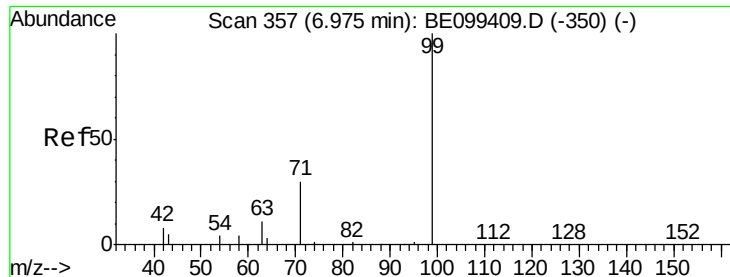
Lab File: BE099504.D

Acq: 2 May 2019 21:43

Tgt Ion:	112	Resp:	2242
Ion Ratio	Lower	Upper	
112	100		
64	56.2	47.4	71.0
63	128.1	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: 0.383 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

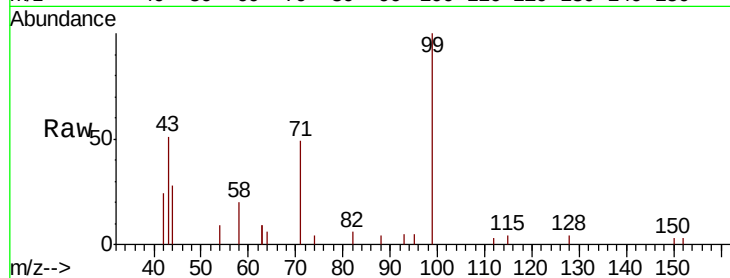
ClientSampleId :

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Tgt Ion:	99	Resp:	3150
Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.9	22.3
71	39.3	33.0	49.6

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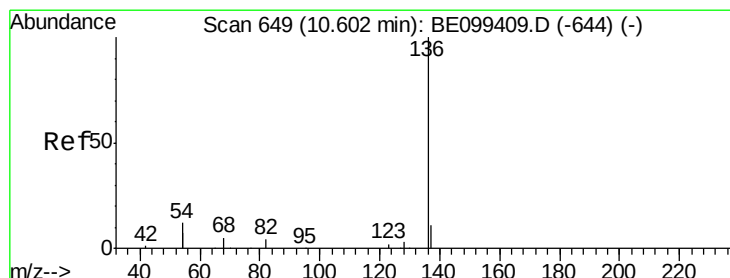
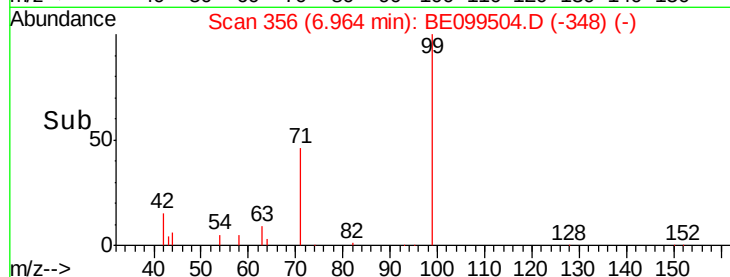
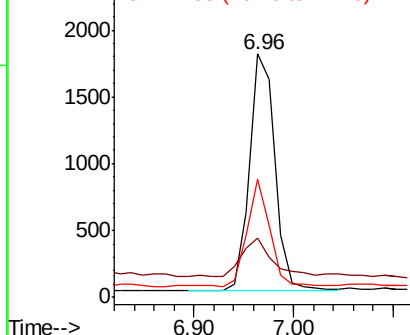


Abundance

Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Tgt Ion:	136	Resp:	8052
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.8
54	25.9	18.5	27.7
68	6.7	4.7	7.1

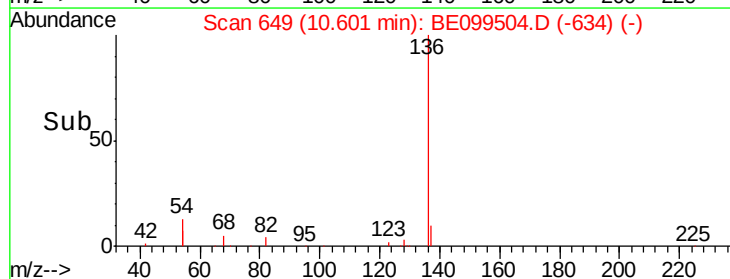
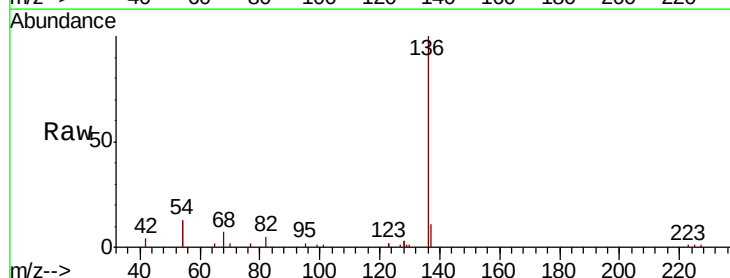
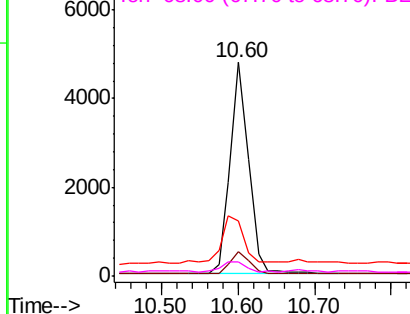
Abundance

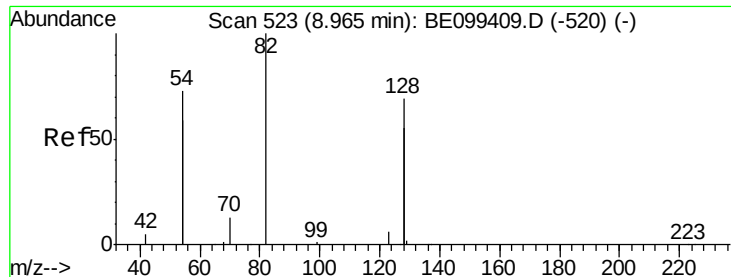
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.338 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

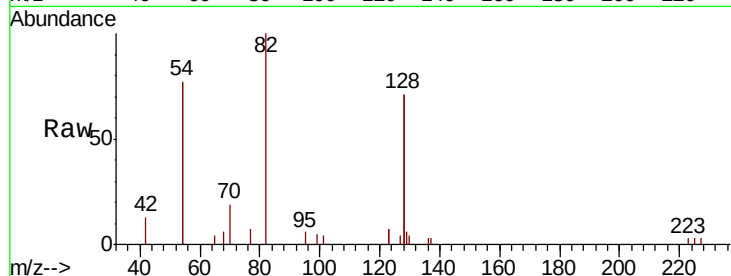
ClientSampleId :

PST-001-SW016-042419

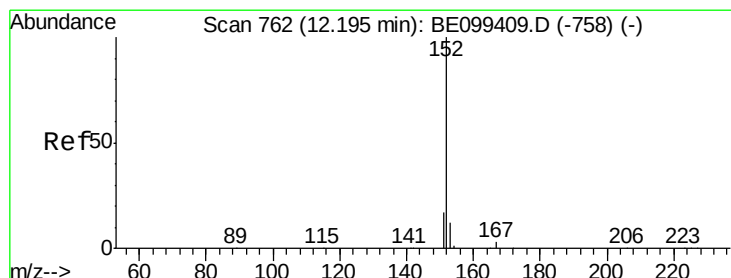
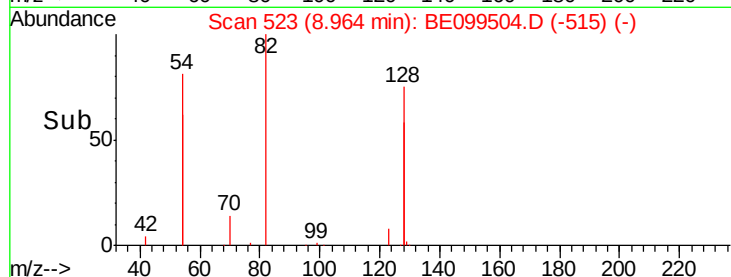
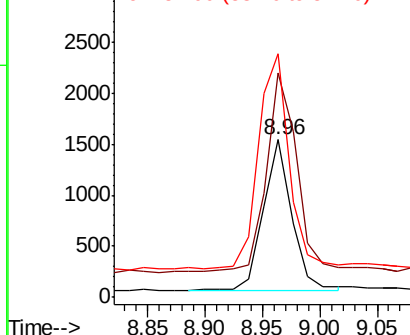
Tgt Ion:	82	Resp:	2551
Ion	Ratio	Lower	Upper
82	100		
128	142.2	107.0	160.4
54	154.7	113.1	169.7

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



#11

2-Methylnaphthalene-d10

Concen: 0.311 ng

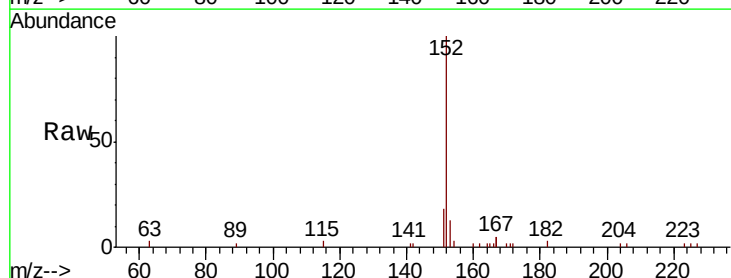
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

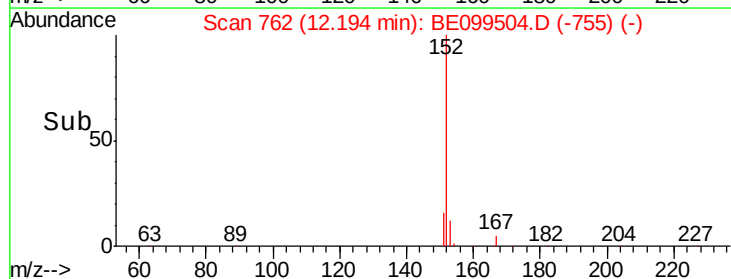
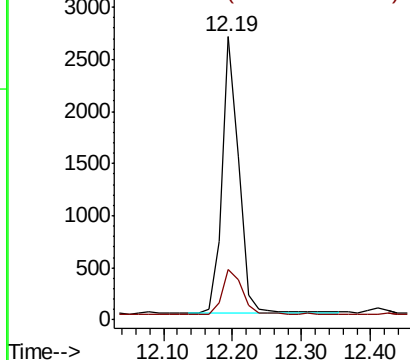
Lab File: BE099504.D

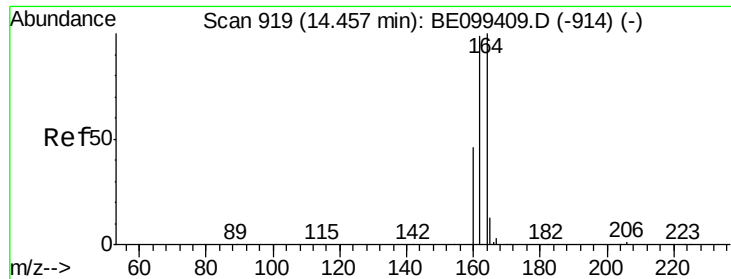
Acq: 2 May 2019 21:43

Tgt Ion:	152	Resp:	4516
Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.5	23.3



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





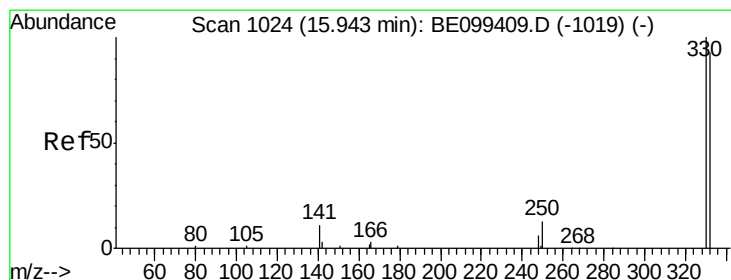
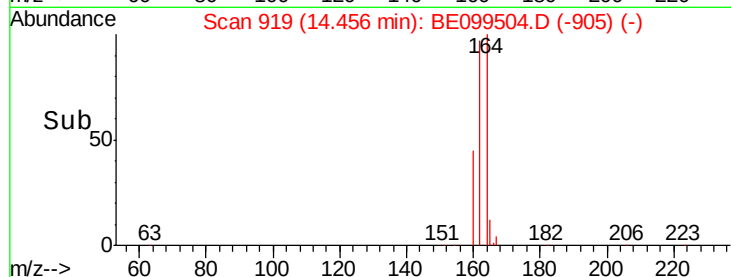
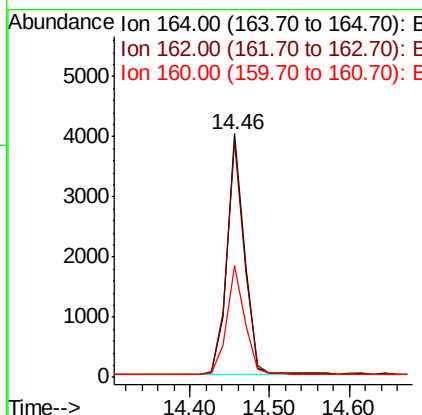
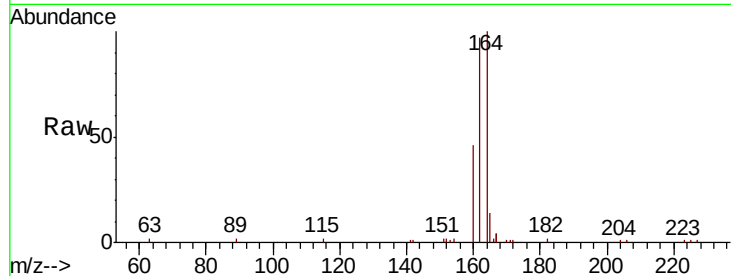
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	79.0	118.4
160	46.2	37.0	55.4

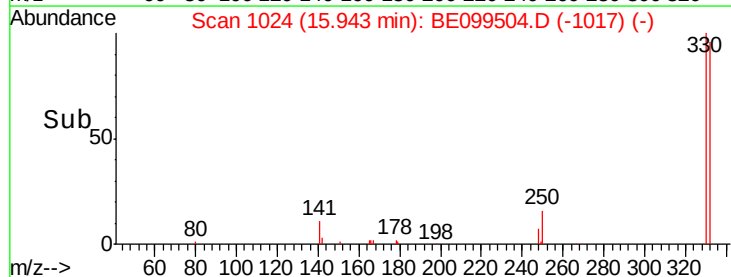
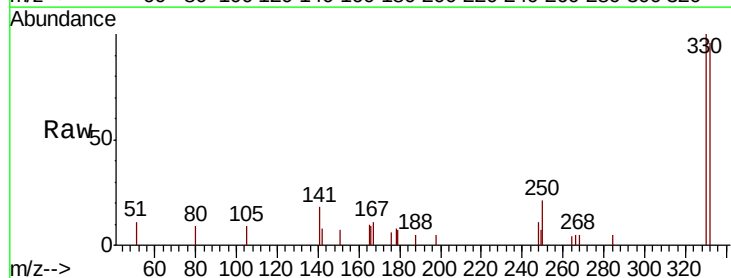
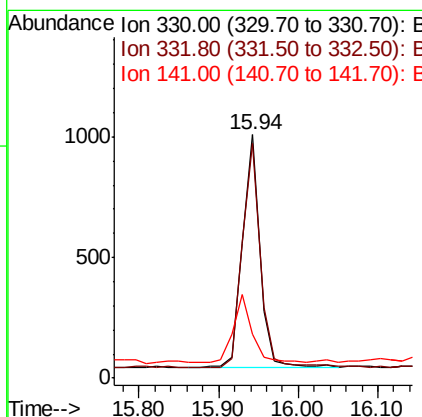
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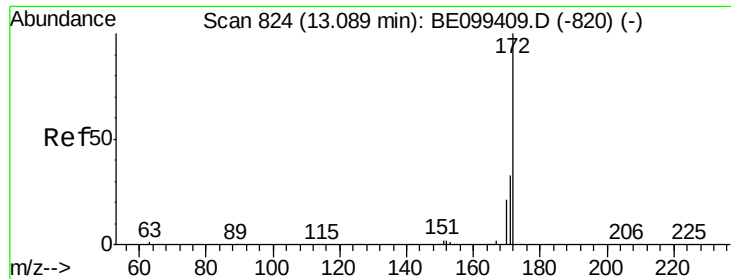
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#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	71.5	107.3
141	31.6	24.0	36.0





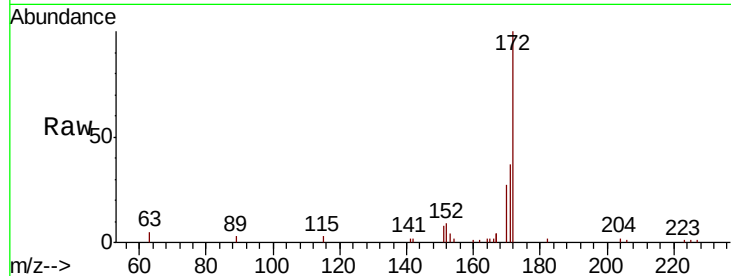
#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

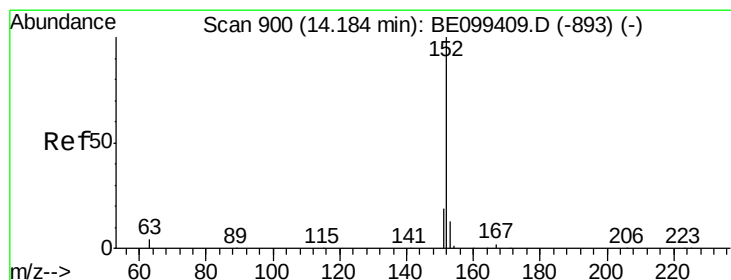
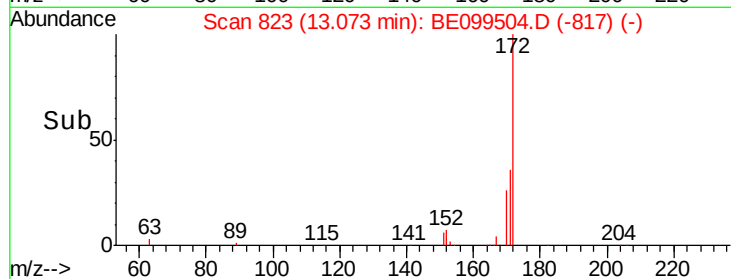
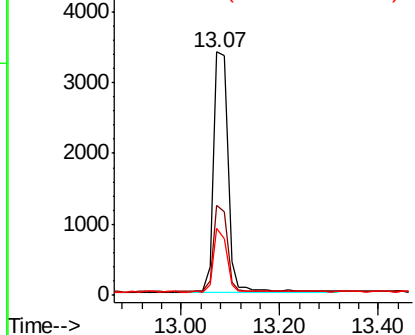
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	26.6	39.8
170	27.3	17.0	25.6

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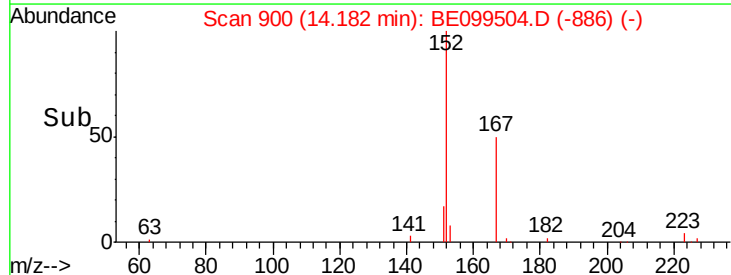
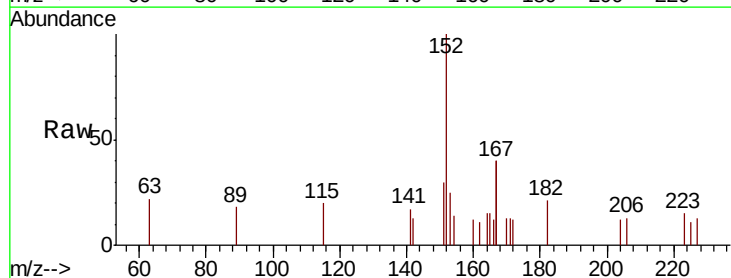
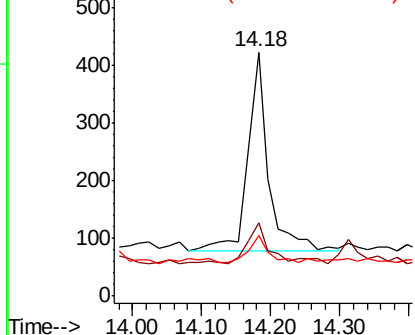
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

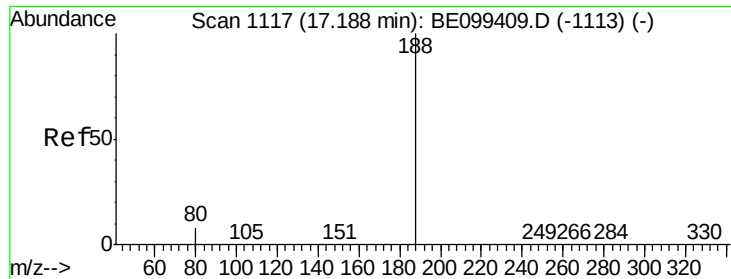


#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.6	15.4	23.2
153	12.1	9.8	14.6

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





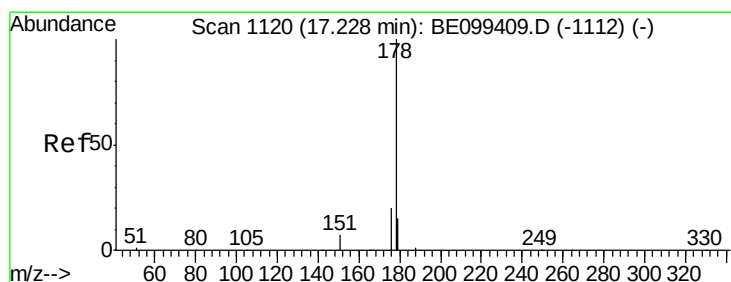
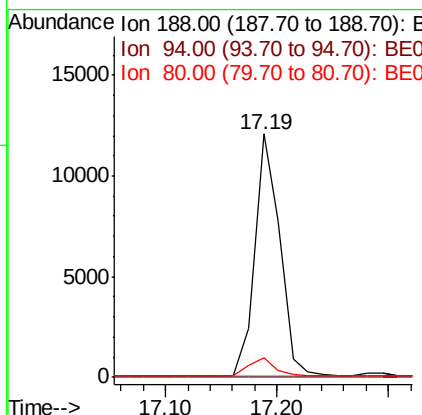
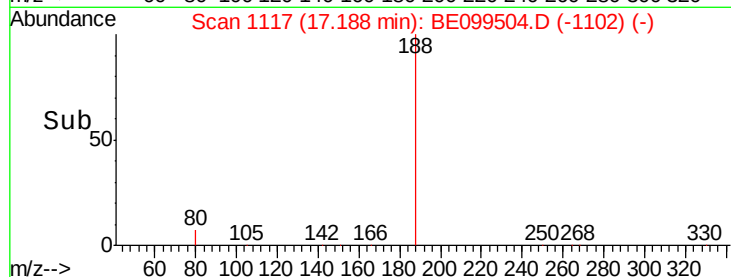
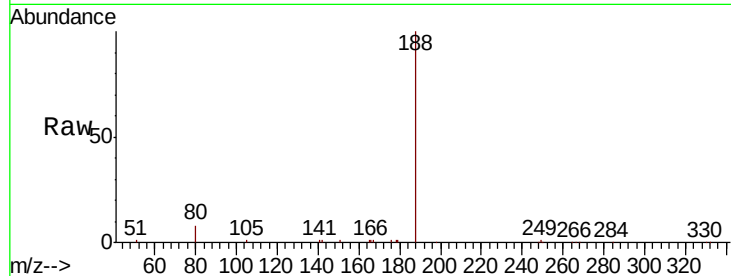
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	18780		
94	0.0	0.0	0.0	0.0
80	8.0	6.7	10.1	

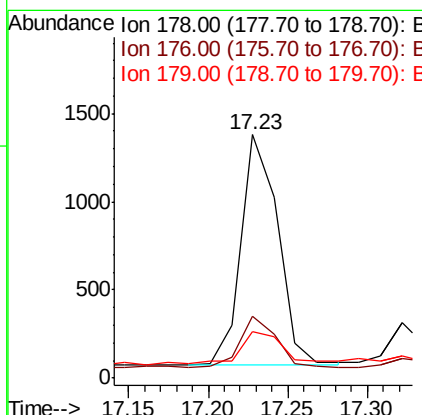
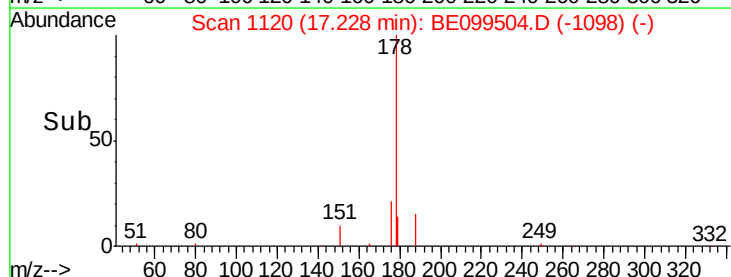
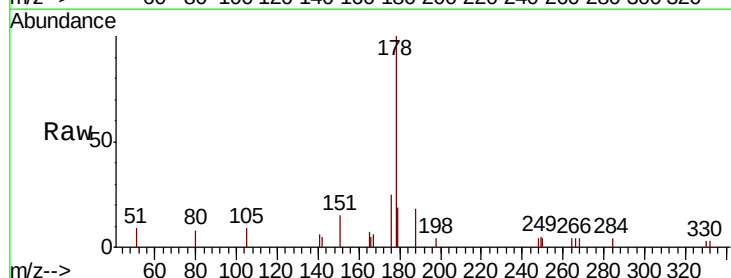
Manual Integrations
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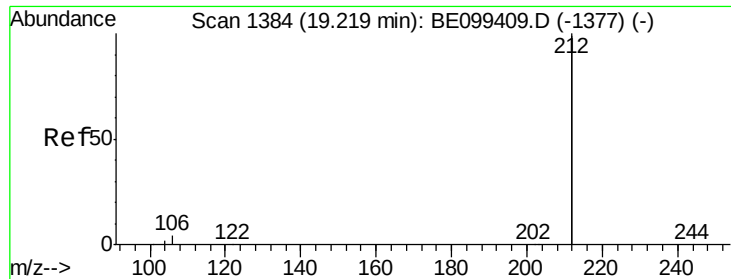
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#23
Phenanthrene
Concen: 0.044 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2141		
176	21.3	15.6	23.4	
179	16.6	12.0	18.0	





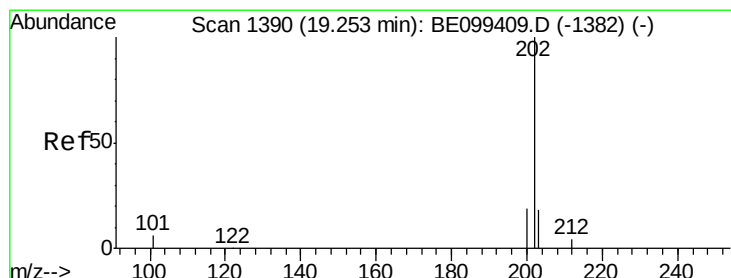
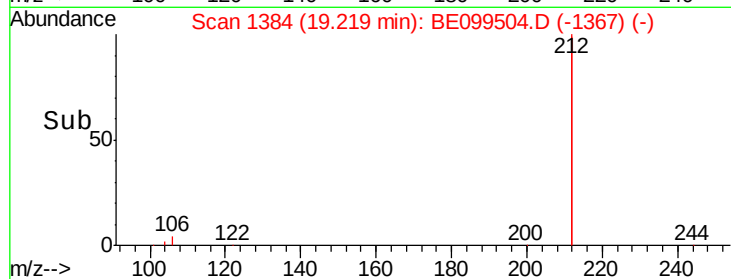
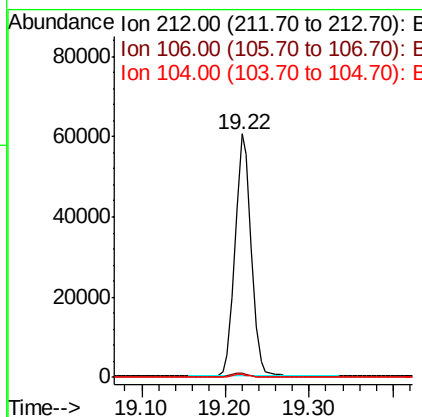
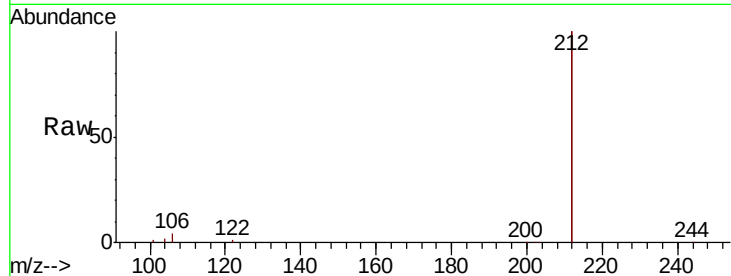
#25
 Fluoranthene-d10
 Concen: 0.320 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	81028		
106	1.8		1.5	2.3
104	1.1		0.9	1.3

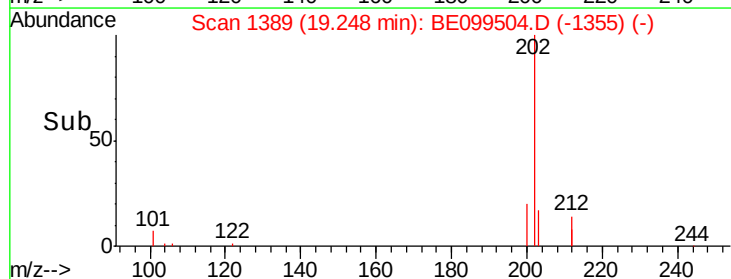
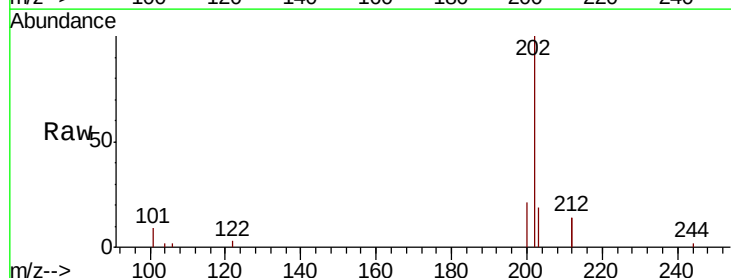
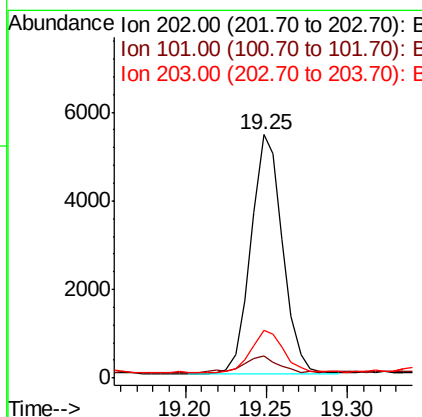
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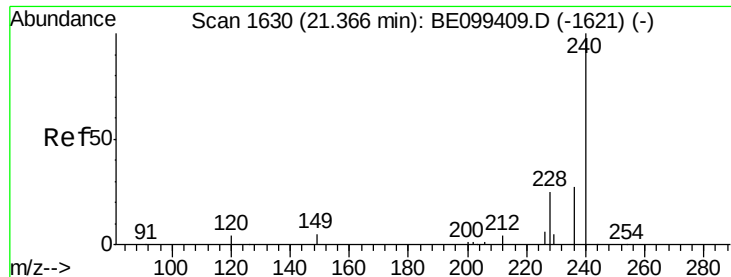
Sohil
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#26
 Fluoranthene
 Concen: 0.101 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	7347		
101	8.1		5.4	8.0#
203	17.8		13.9	20.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.36 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

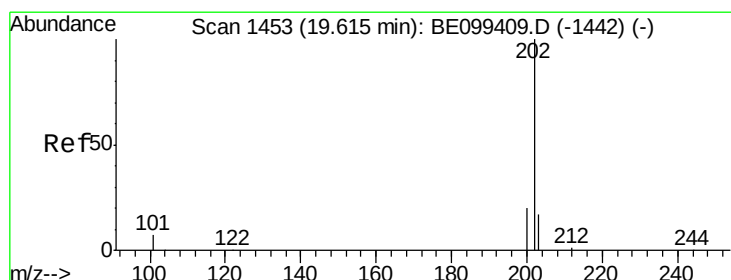
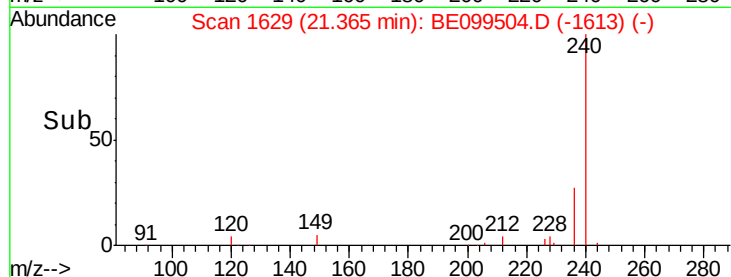
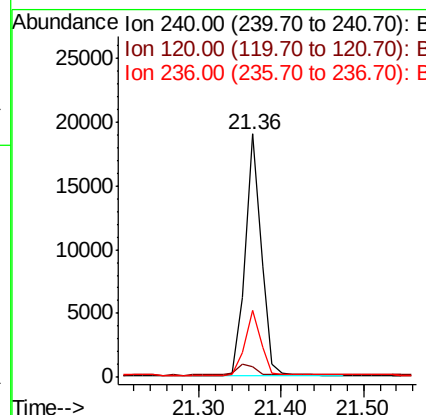
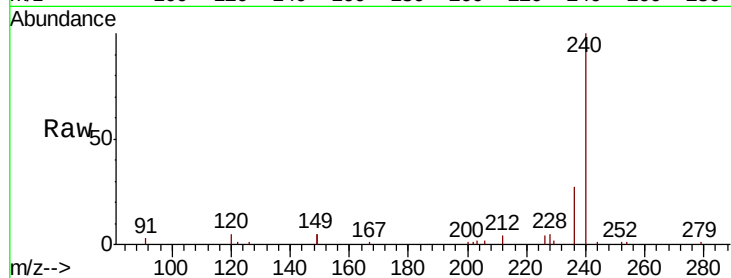
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.6	4.0	6.0
236	27.5	22.0	33.0

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#28

Pyrene

Concen: 0.124 ng

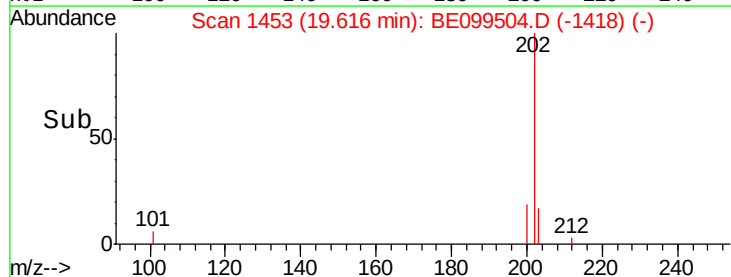
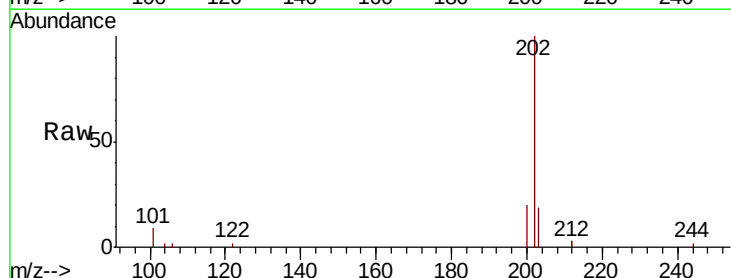
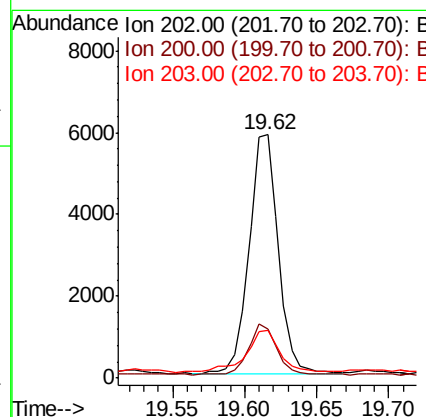
RT: 19.62 min Scan# 1453

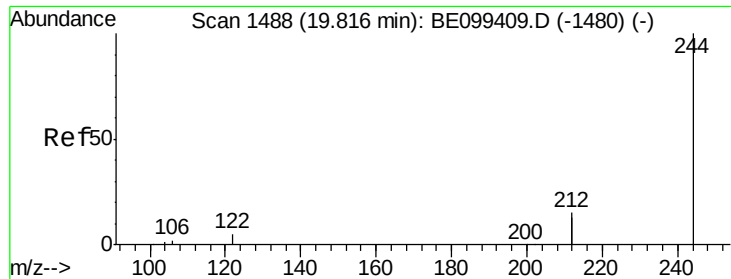
Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	20.5	13.9	20.9





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

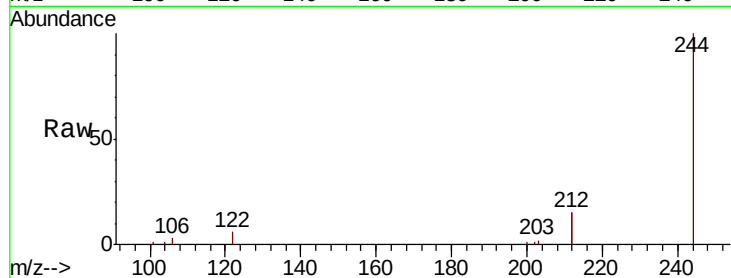
ClientSampleId :

PST-001-SW016-042419

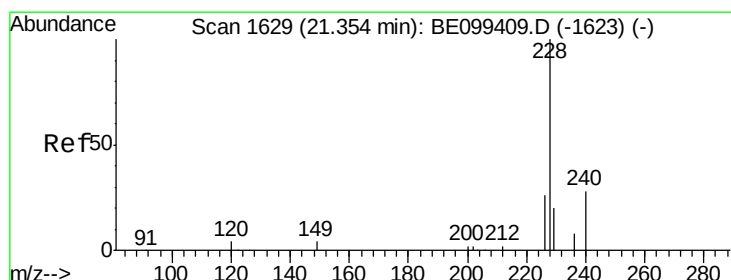
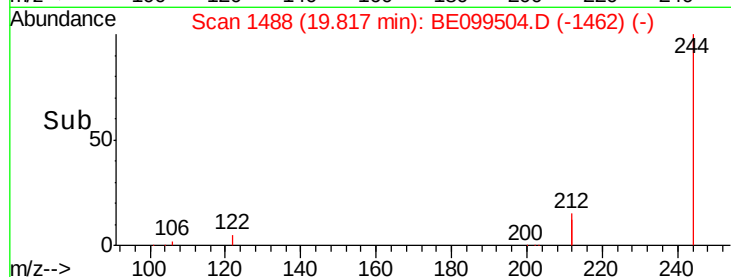
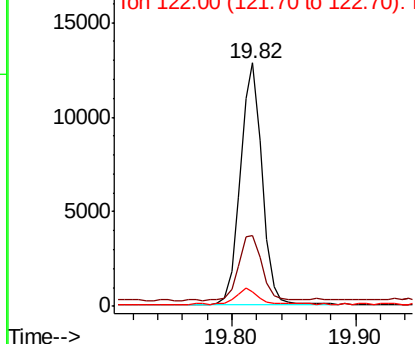
Tgt Ion:	244	Resp:	15634
Ion Ratio	Lower	Upper	
244	100		
212	29.0	23.2	34.8
122	6.0	4.2	6.4

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



#30

Benzo(a)anthracene

Concen: 0.067 ng

RT: 21.35 min Scan# 1628

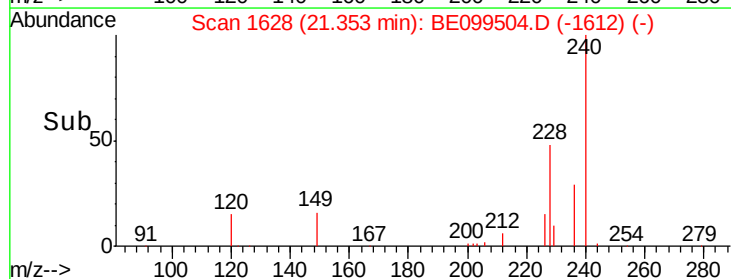
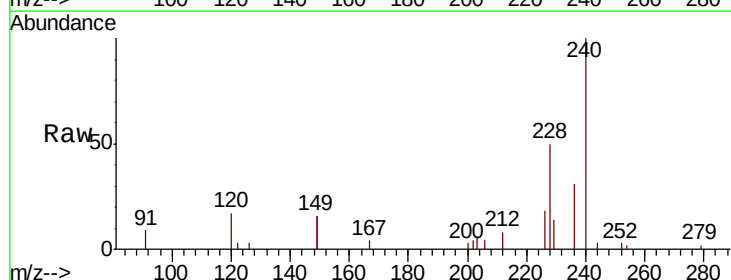
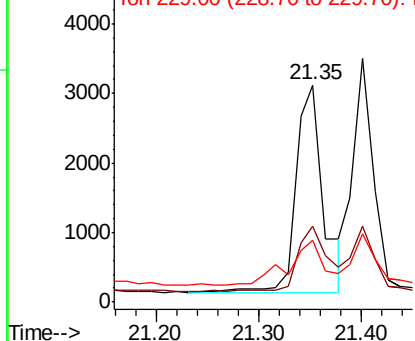
Delta R.T. -0.00 min

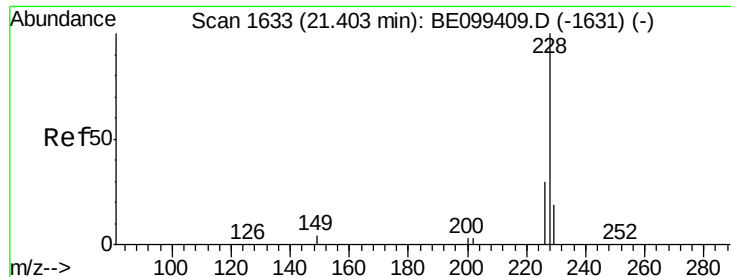
Lab File: BE099504.D

Acq: 2 May 2019 21:43

Tgt Ion:	228	Resp:	5515
Ion Ratio	Lower	Upper	
228	100		
226	35.3	21.0	31.6#
229	28.7	16.6	25.0#

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





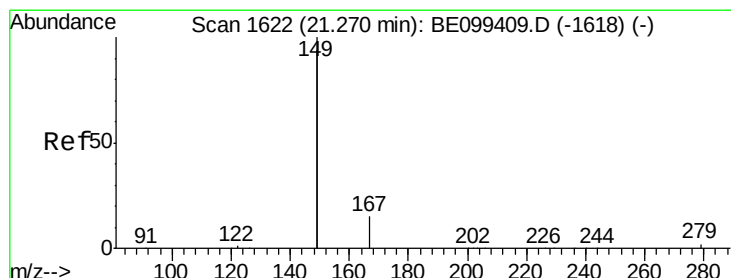
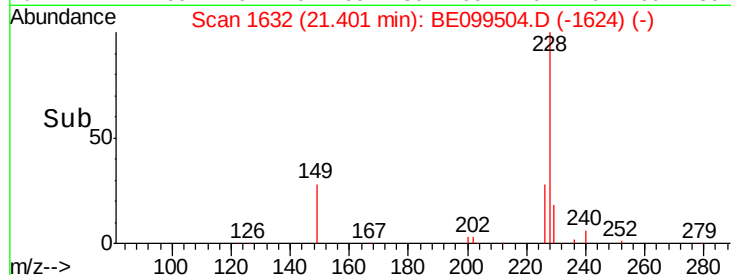
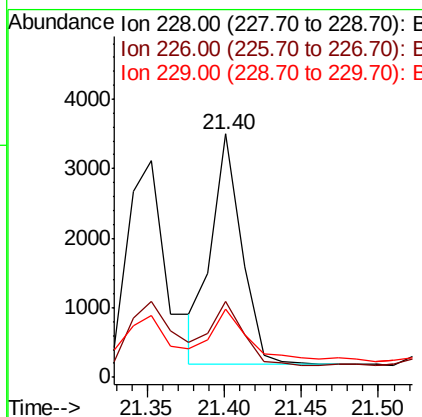
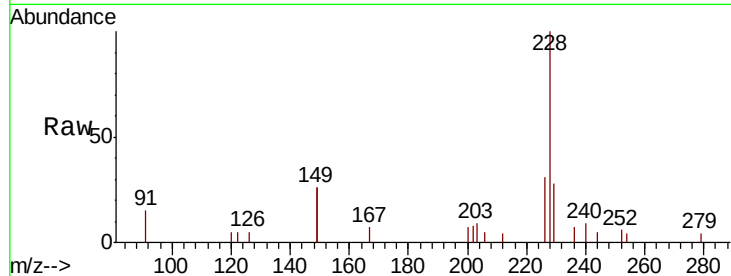
#31
Chrysene
 Concen: 0.057 ng
 RT: 21.40 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	27.9	15.8	23.8#

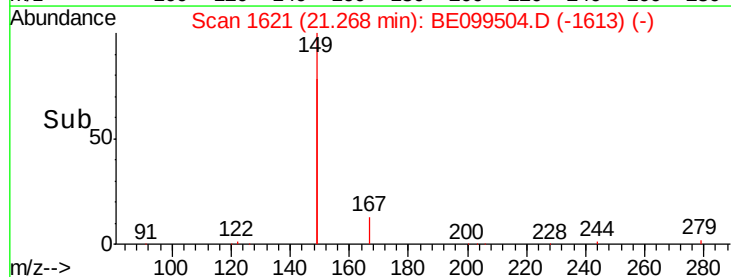
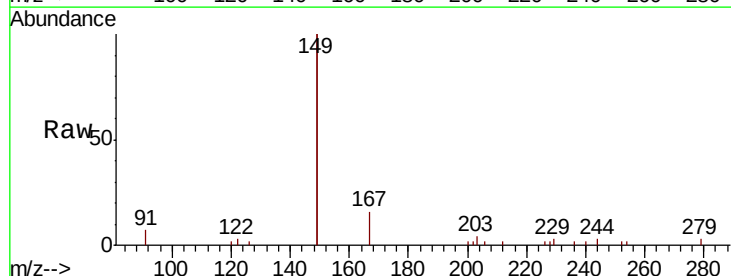
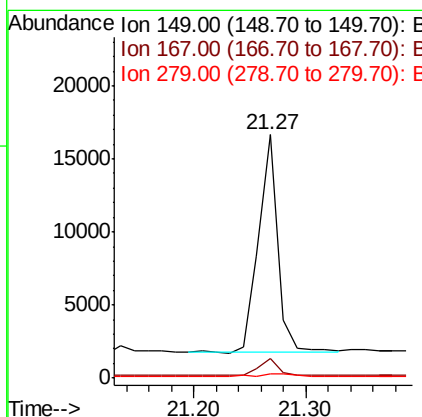
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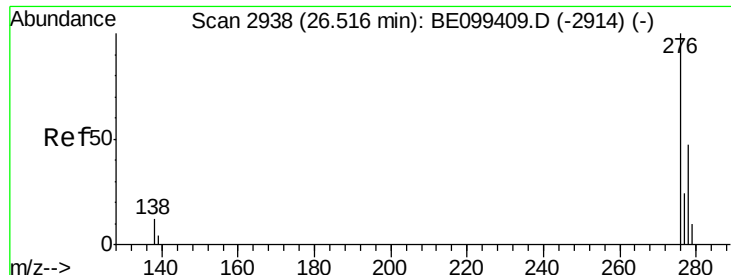
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#32
Bis(2-ethylhexyl)phthalate
 Concen: 0.084 ng
 RT: 21.27 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.8	8.6
279	1.7	1.0	1.6#





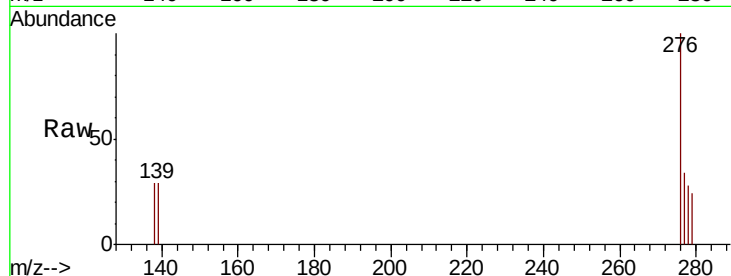
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.027 ng
 RT: 26.51 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	2572		
138	5.5	10.2	15.2	#
277	23.4	19.2	28.8	

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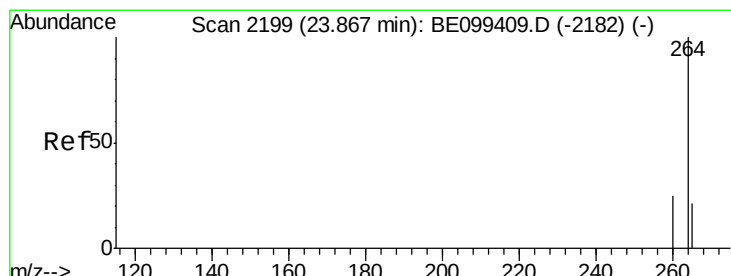
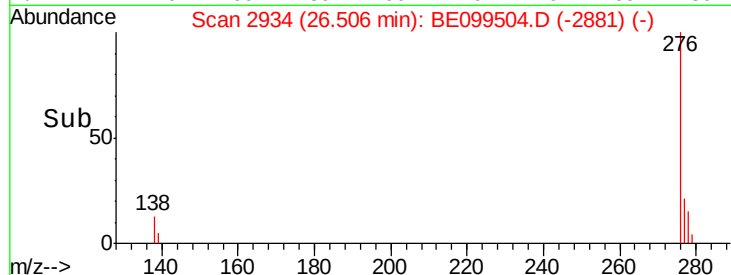
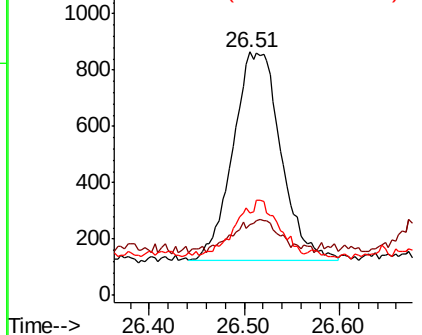


Abundance

Ion 276.00 (275.70 to 276.70): E

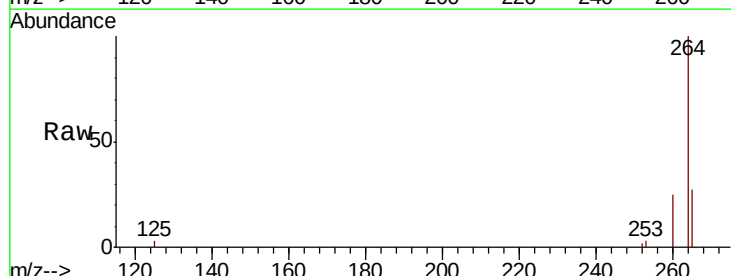
Ion 138.00 (137.70 to 138.70): E

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: BE099504.D
 Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	29907		
260	24.6	20.2	30.2	
265	26.8	21.3	31.9	

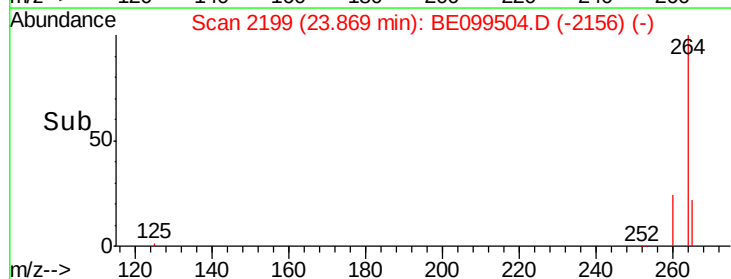
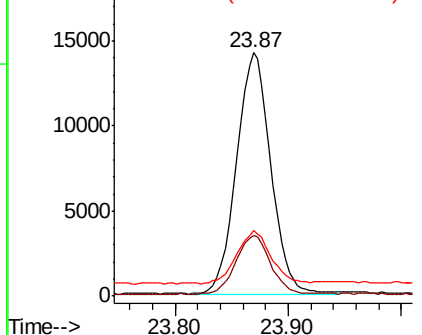


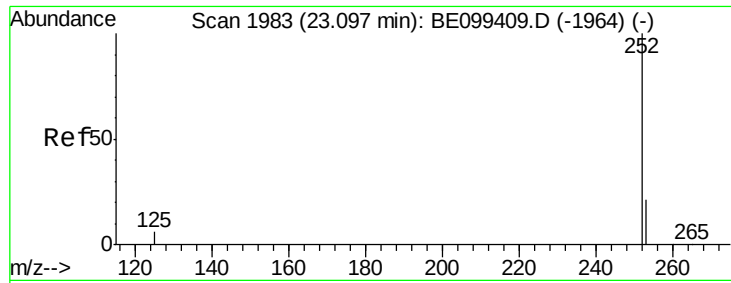
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





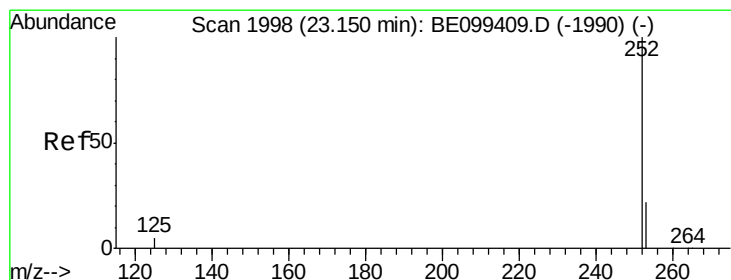
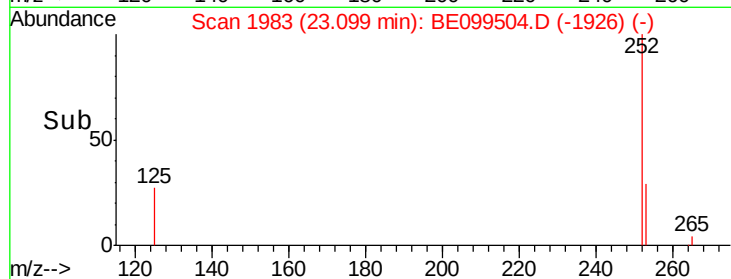
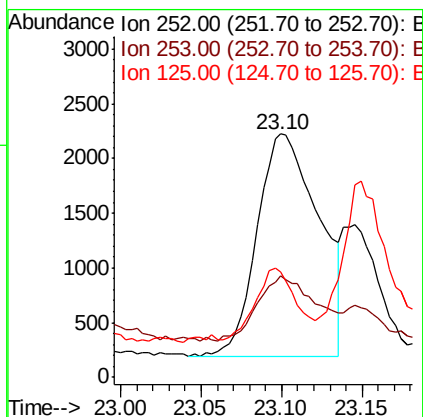
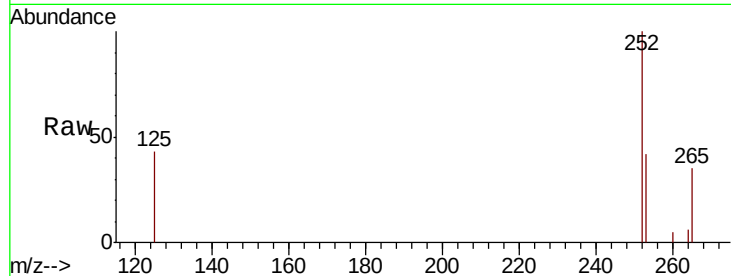
#35
Benzo(b)fluoranthene
Concen: 0.063 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.8	18.1	27.1#
125	43.1	5.6	8.4#

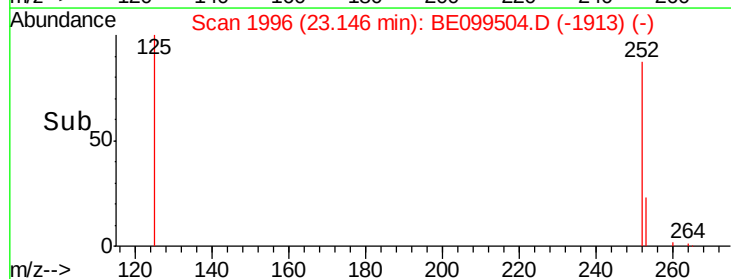
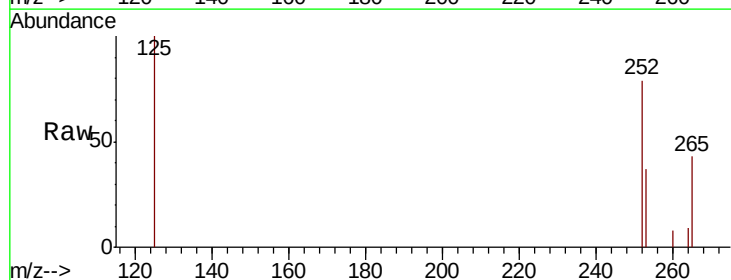
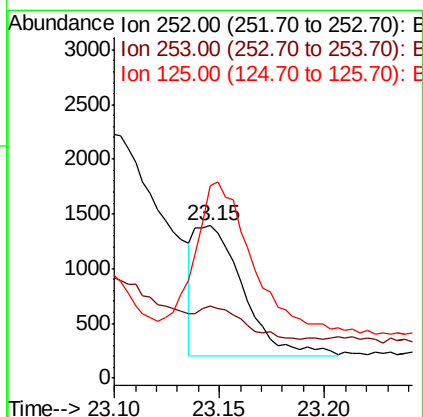
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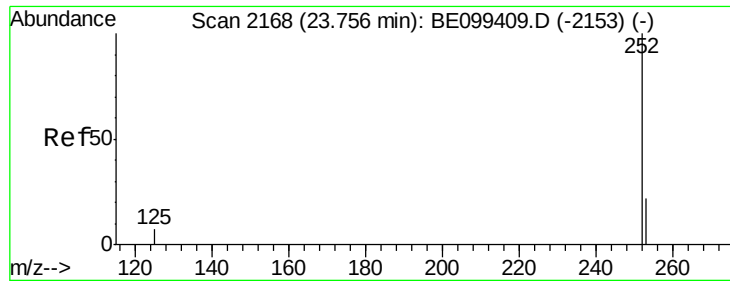
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.023 ng m
RT: 23.15 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.9	18.4	27.6#
125	126.3	5.0	7.4#





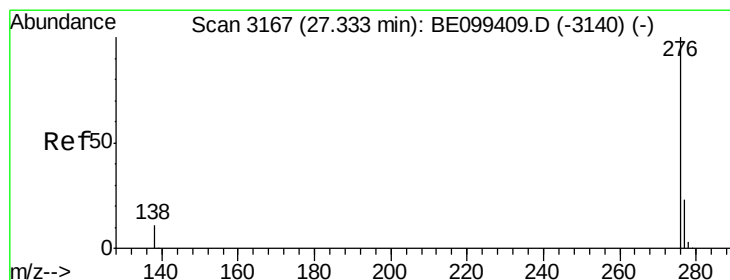
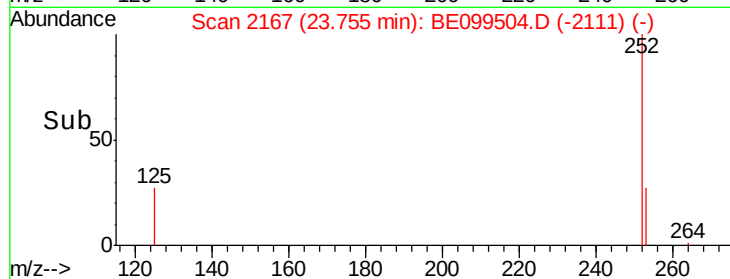
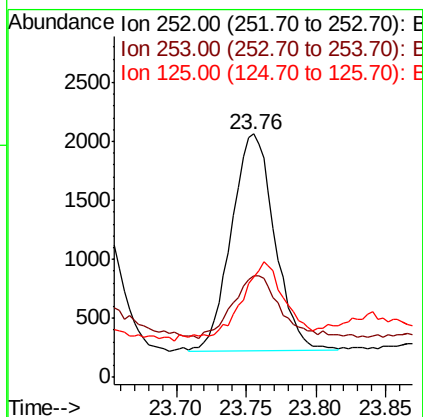
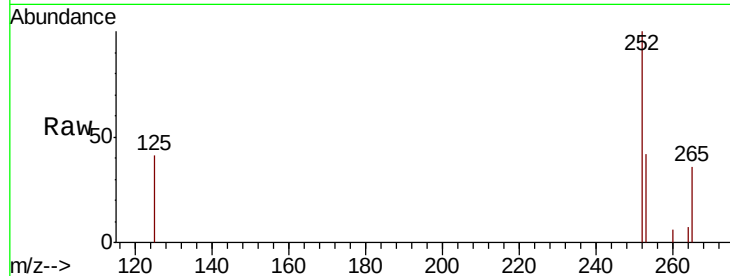
#37
Benzo(a)pyrene
Concen: 0.048 ng
RT: 23.76 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.8	18.9	28.3#
125	41.2	6.7	10.1#

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#39
Benzo(g,h,i)perylene
Concen: 0.030 ng
RT: 27.33 min Scan# 3166
Delta R.T. 0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.0	19.5	29.3#
138	27.4	9.6	14.4#

