

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099427.D
 Acq On : 30 Apr 2019 15:33
 Operator : JU/SJ
 Sample : K2587-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B163-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:28 PM

Quant Time: May 01 01:26:19 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	2686	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9299	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6293	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19541	0.40	ng	0.00
27) Chrysene-d12	21.37	240	31902	0.40	ng	0.00
34) Perylene-d12	23.86	264	38916	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2950	0.40	ng	0.00
5) Phenol-d6	6.96	99	4243	0.43	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3146	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6041	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1459	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	8922	0.37	ng	-0.02
25) Fluoranthene-d10	19.22	212	96608	0.37	ng	0.00
29) Terphenyl-d14	19.81	244	20333	0.35	ng	0.00
Target Compounds						
23) Phenanthrene	17.23	178	1318	0.026	ng	# 92
26) Fluoranthene	19.25	202	4685	0.062	ng	# 98
28) Pyrene	19.61	202	4808	0.058	ng	# 95
30) Benzo(a)anthracene	21.34	228	4259	0.042	ng	# 90
31) Chrysene	21.40	228	5146	0.052	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.27	149	15181	0.034	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.51	276	4686	0.040	ng	# 96
35) Benzo(b)fluoranthene	23.09	252	8125	0.072	ng	# 58
36) Benzo(k)fluoranthene	23.14	252	3480m	0.032	ng	
37) Benzo(a)pyrene	23.75	252	5157	0.049	ng	# 57
39) Benzo(g,h,i)perylene	27.32	276	4770	0.044	ng	# 87

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

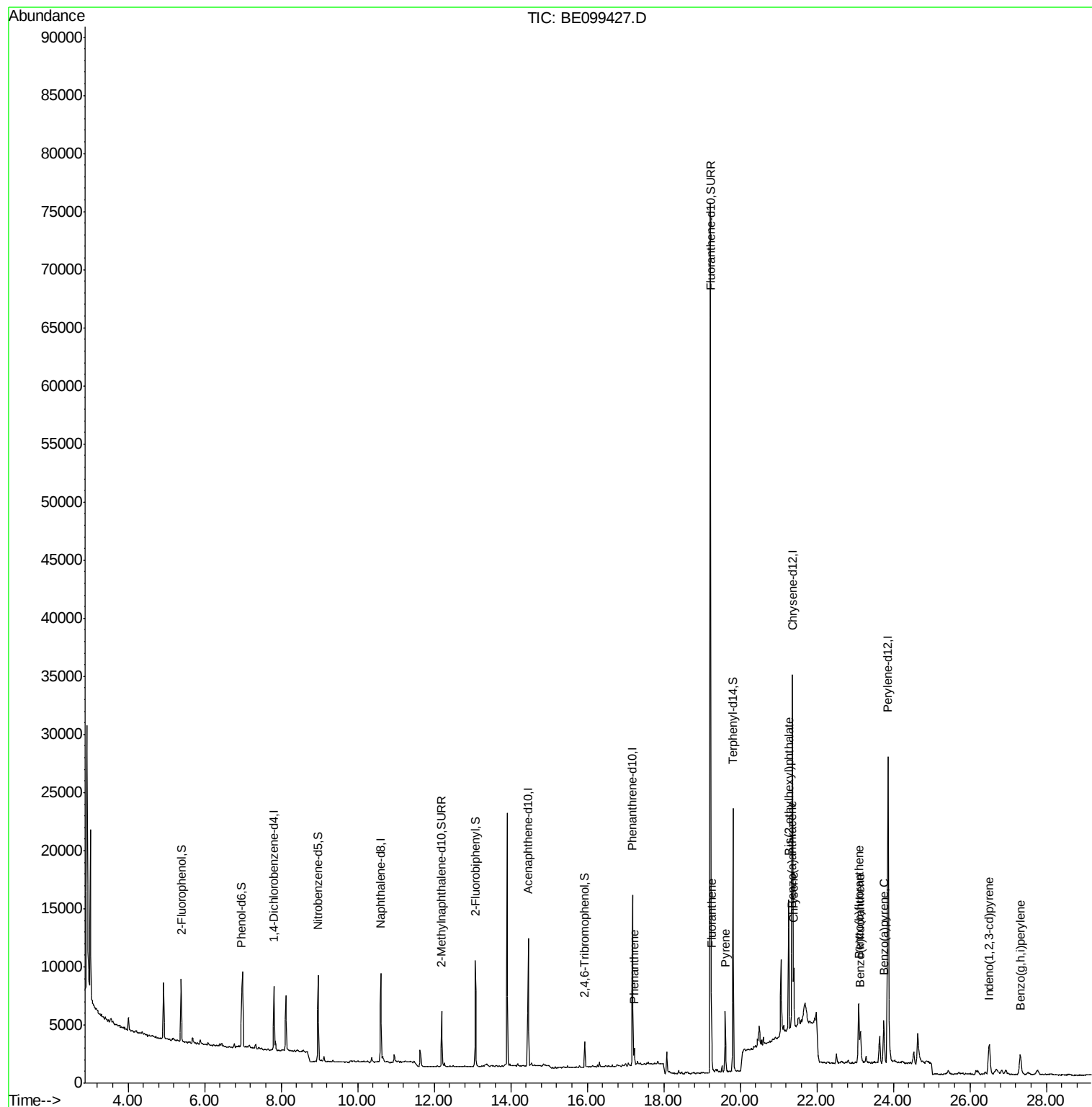
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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ALS Vial : 13 Sample Multiplier: 1

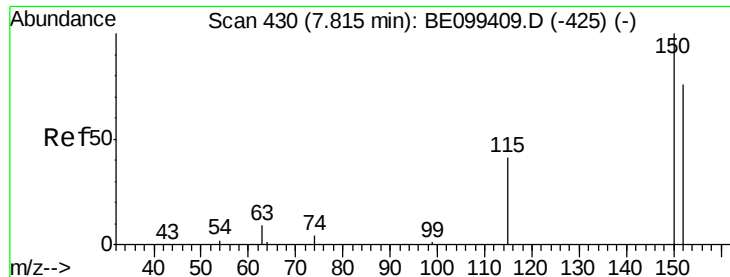
Instrument :
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PST-004-B163-042319

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#1

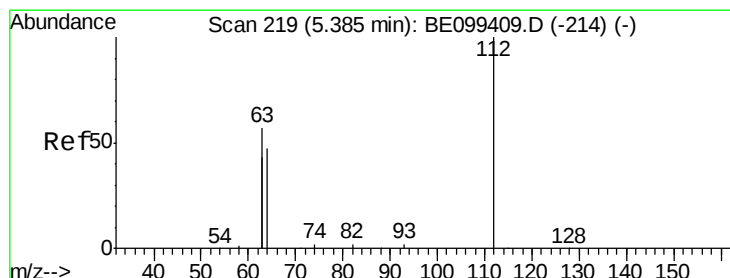
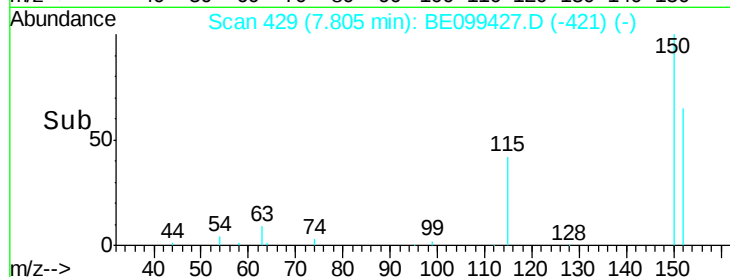
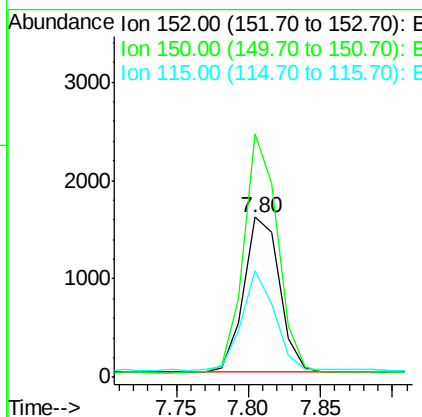
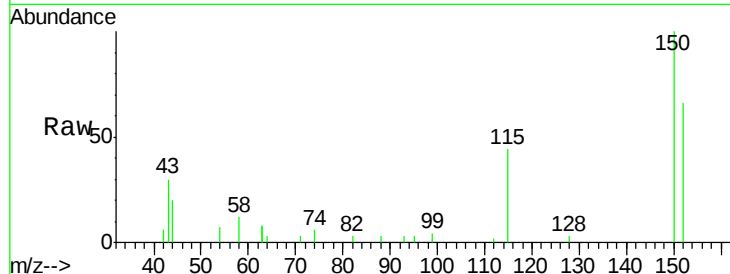
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Instrument :
BNA_E
ClientSampleId :
PST-004-B163-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.3	104.8	157.2
115	67.1	46.6	69.8

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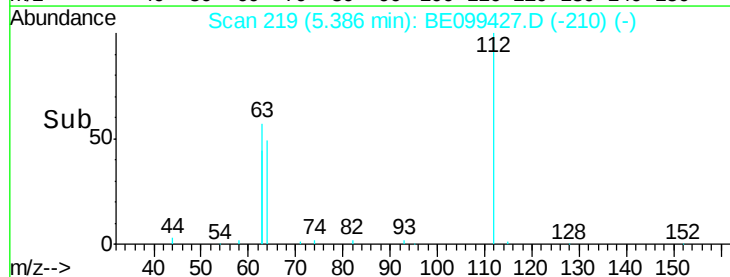
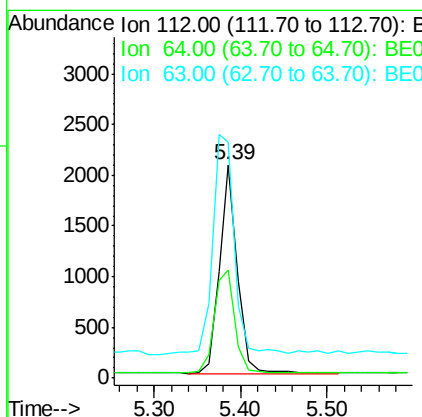
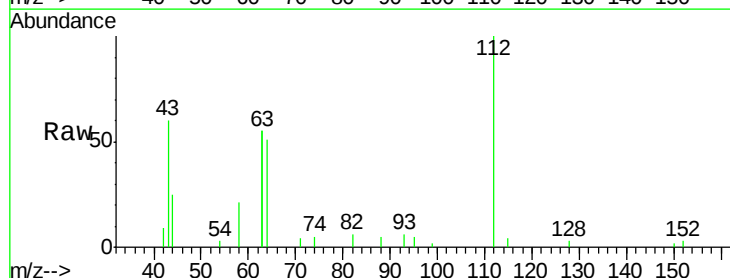
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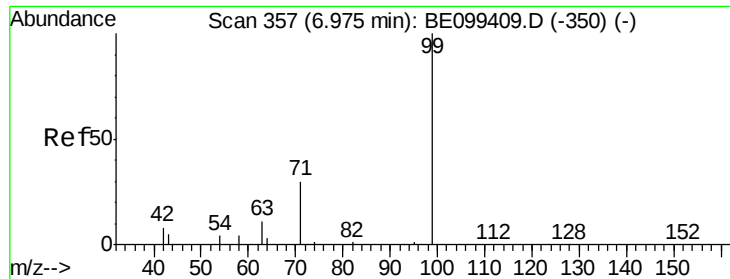


#4

2-Fluorophenol
Concen: 0.397 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.4	71.0
63	128.6	104.3	156.5





#5

Phenol-d6

Concen: 0.430 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

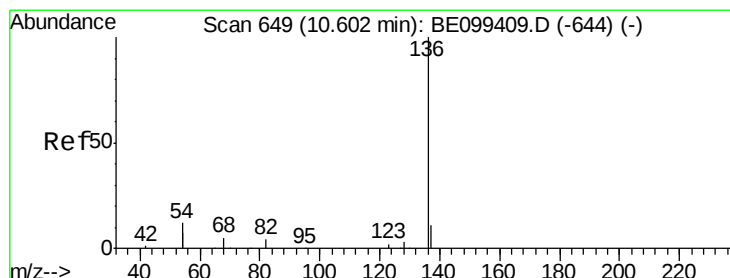
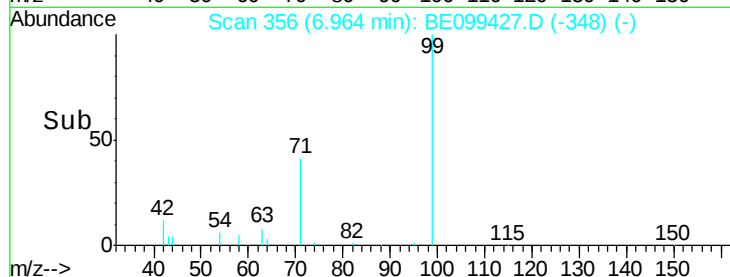
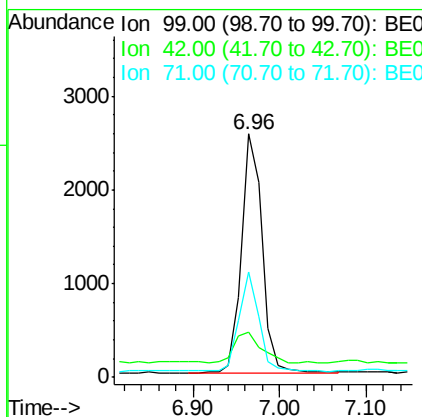
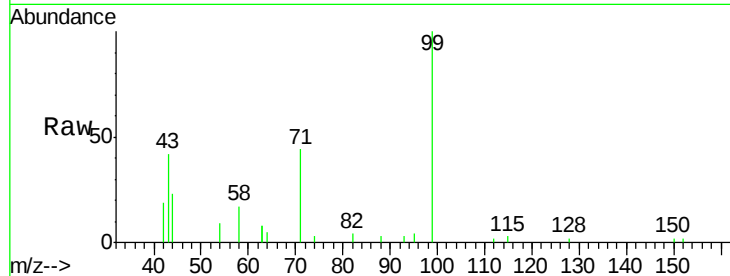
ClientSampleId :

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Tgt Ion:	99	Resp:	4243
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.9	22.3
71	40.3	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

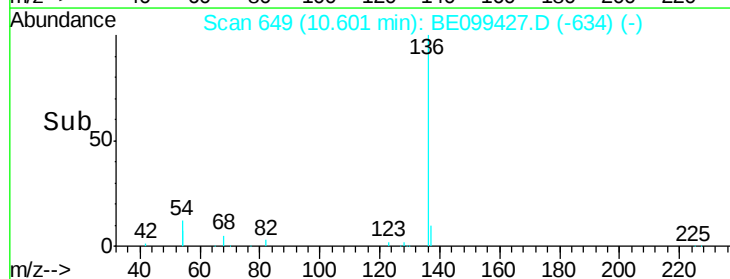
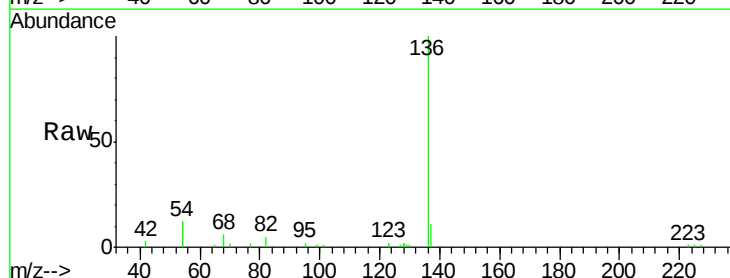
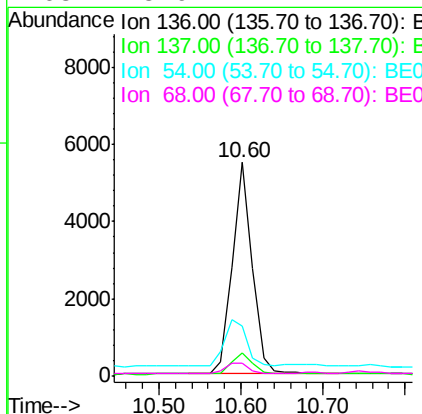
RT: 10.60 min Scan# 649

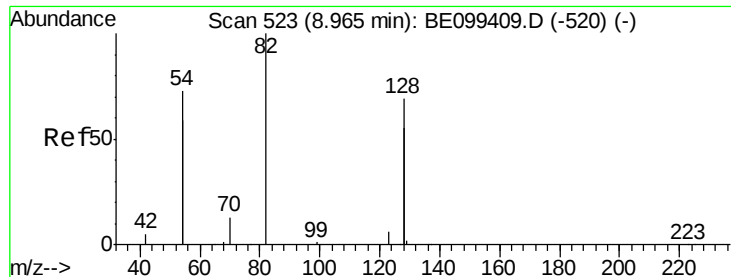
Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Tgt Ion:	136	Resp:	9299
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.8
54	23.3	18.5	27.7
68	5.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.361 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

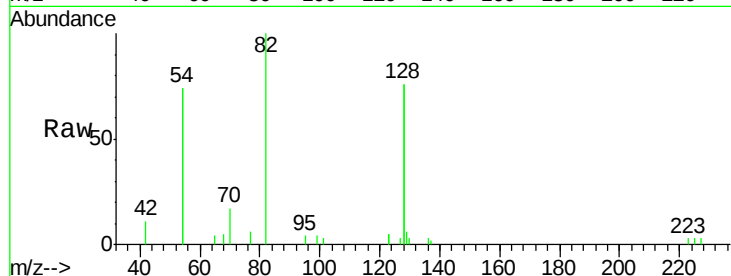
ClientSampleId :

PST-004-B163-042319

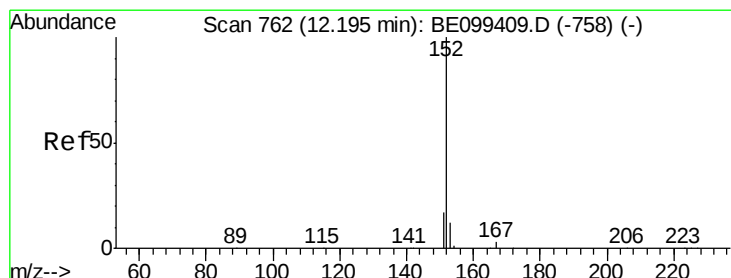
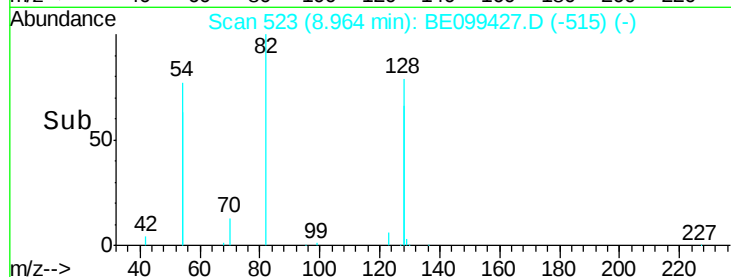
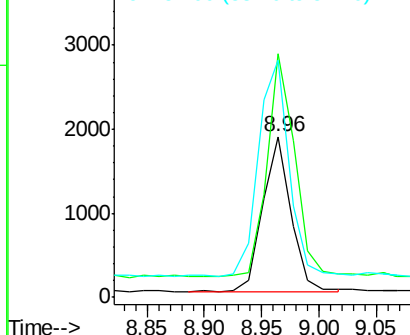
Tgt Ion:	82	Resp:	3146
Ion Ratio	Lower	Upper	
82	100		
128	151.6	107.0	160.4
54	147.8	113.1	169.7

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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: 0.361 ng

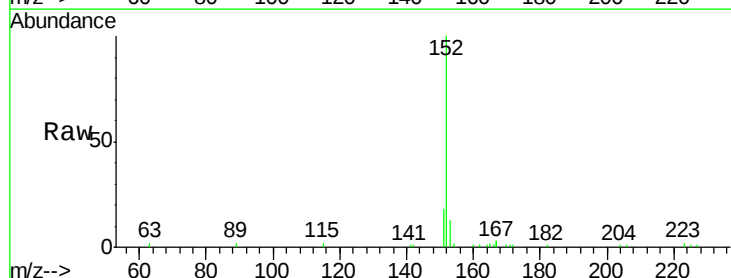
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

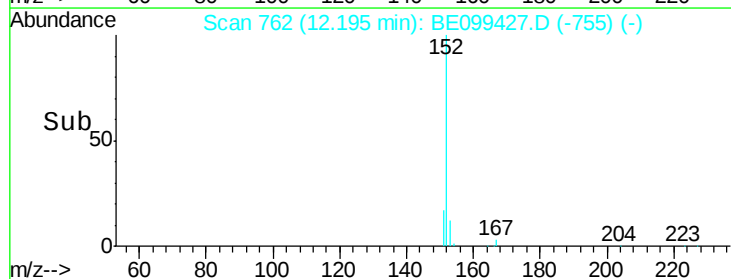
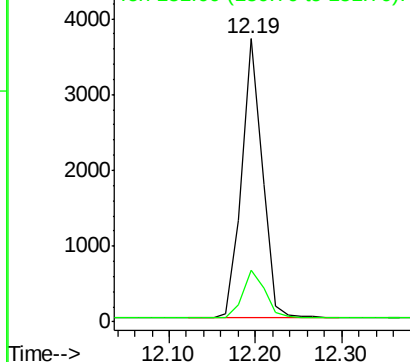
Lab File: BE099427.D

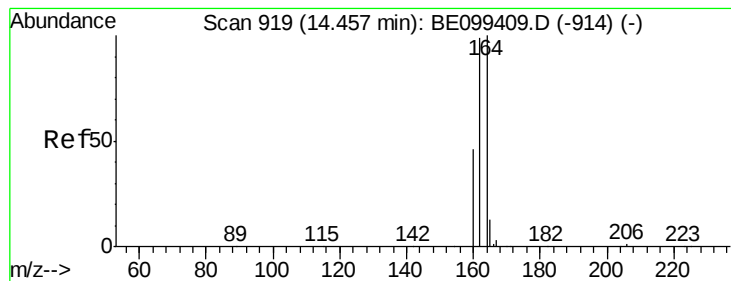
Acq: 30 Apr 2019 15:33

Tgt Ion:	152	Resp:	6041
Ion Ratio	Lower	Upper	
152	100		
151	18.9	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: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

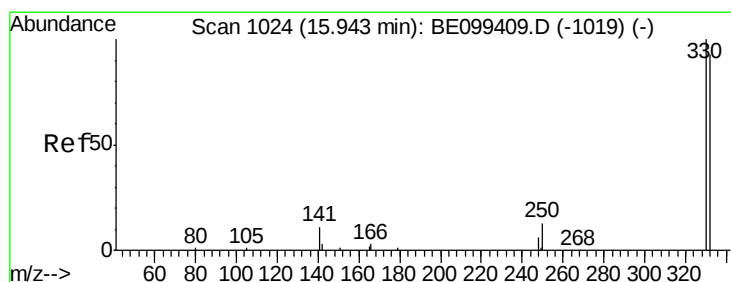
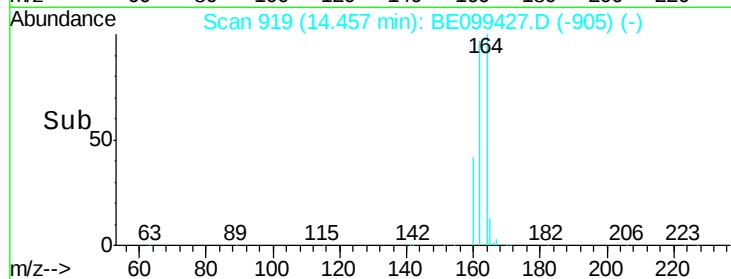
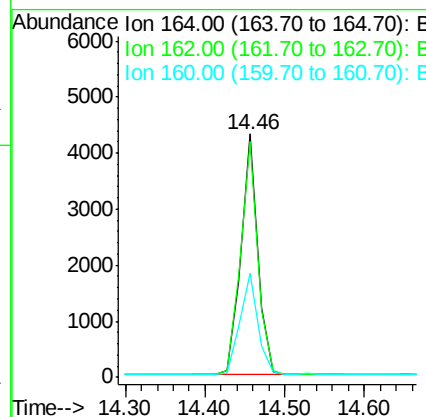
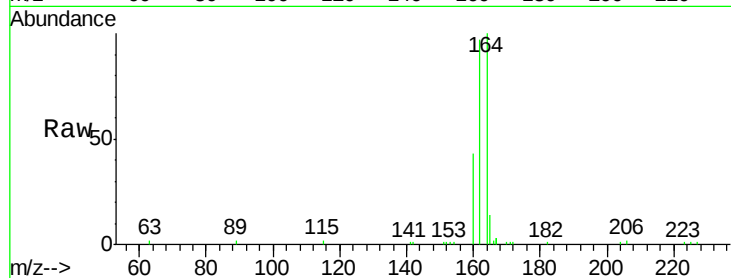
ClientSampleId :

PST-004-B163-042319

Tgt Ion:	164	Resp:	6293
Ion Ratio	Lower	Upper	
164	100		
162	97.1	79.0	118.4
160	42.8	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.368 ng

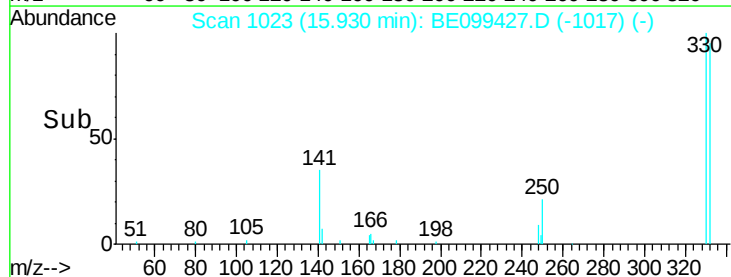
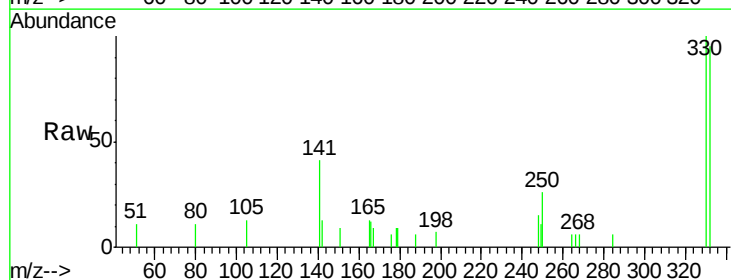
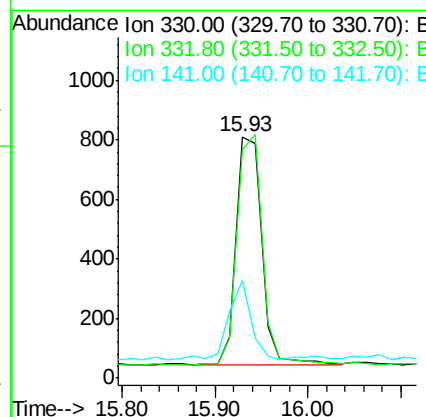
RT: 15.93 min Scan# 1023

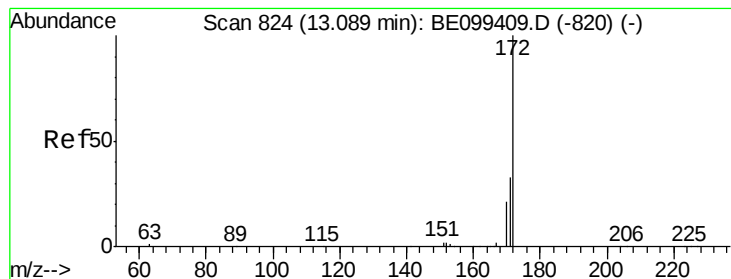
Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Tgt Ion:	330	Resp:	1459
Ion Ratio	Lower	Upper	
330	100		
332	98.6	71.5	107.3
141	29.7	24.0	36.0





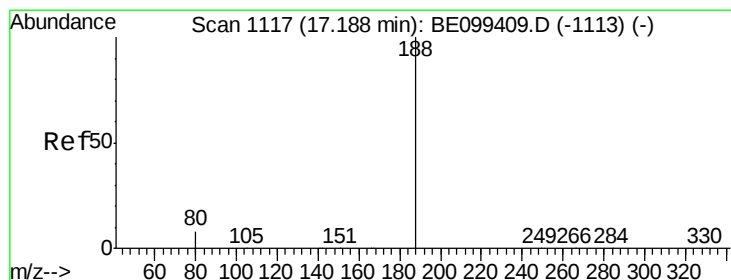
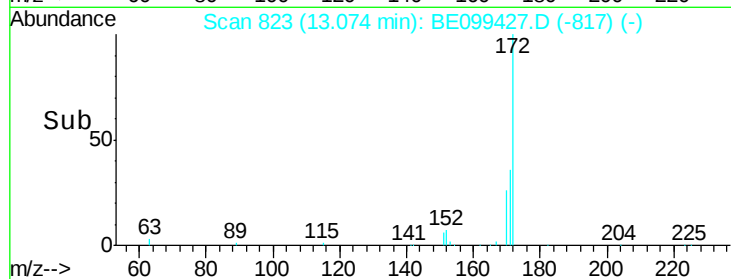
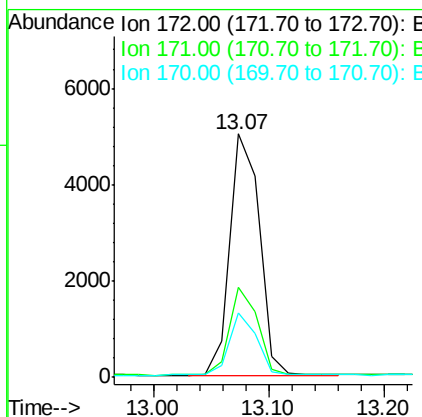
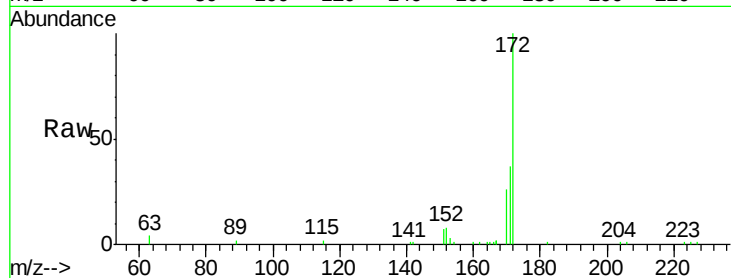
#15
 2-Fluorobiphenyl
 Concen: 0.372 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Instrument :
 BNA_E
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 PST-004-B163-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	26.6	39.8
170	26.5	17.0	25.6

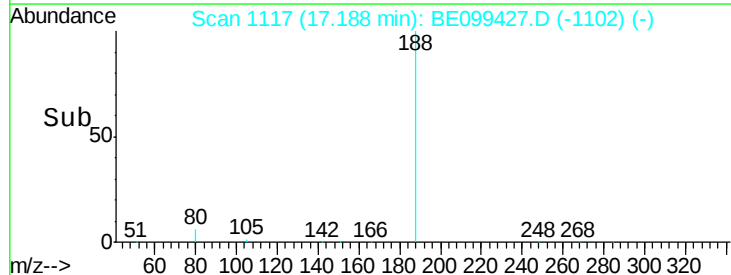
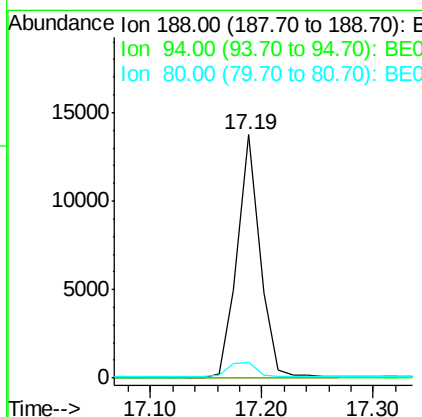
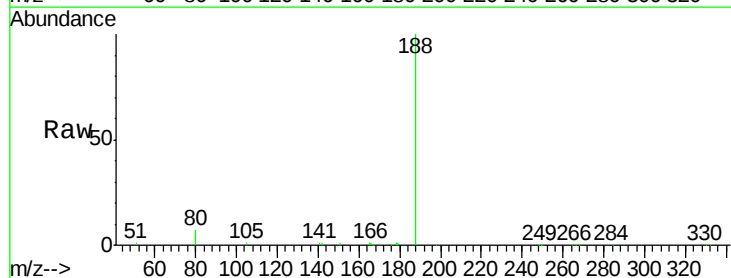
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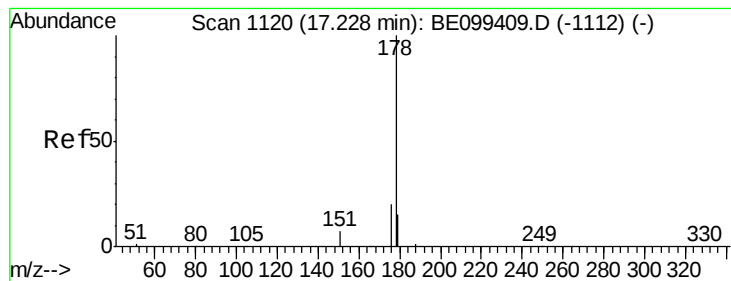
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1





#23

Phenanthrene

Concen: 0.026 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

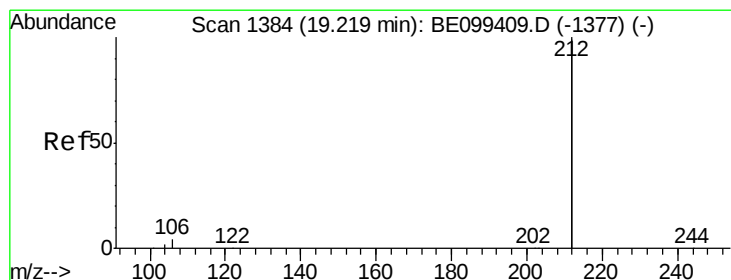
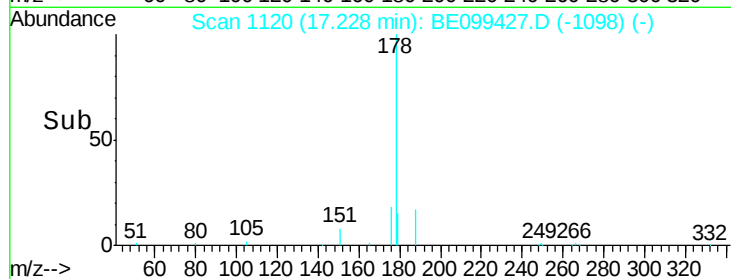
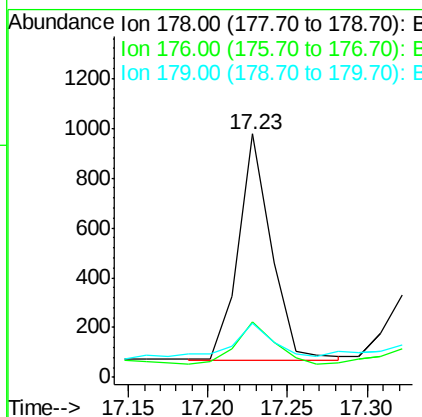
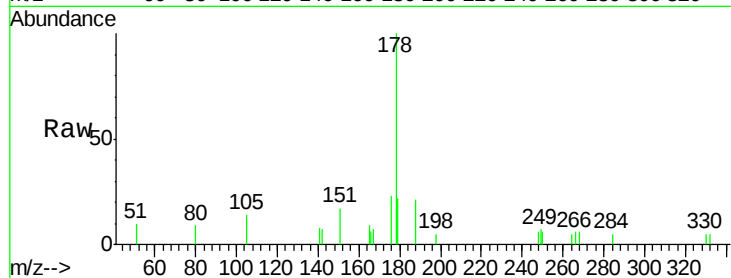
ClientSampleId :

PST-004-B163-042319

Tgt Ion:	178	Resp:	1318
Ion Ratio	Lower	Upper	
178	100		
176	20.9	15.6	23.4
179	21.2	12.0	18.0#

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#25

Fluoranthene-d10

Concen: 0.367 ng

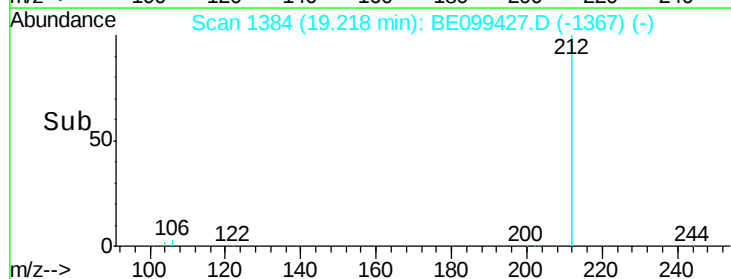
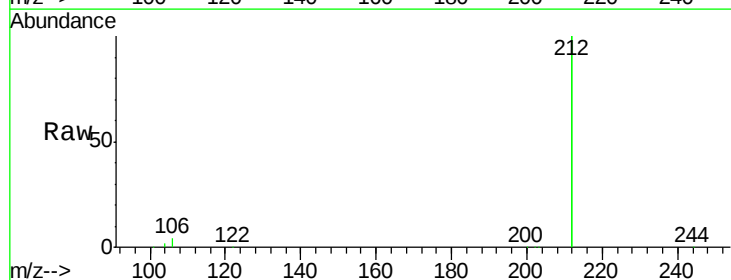
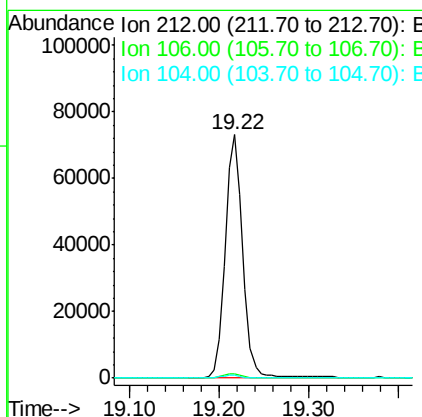
RT: 19.22 min Scan# 1384

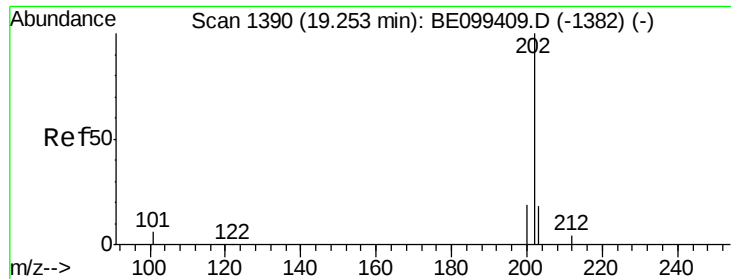
Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Tgt Ion:	212	Resp:	96608
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





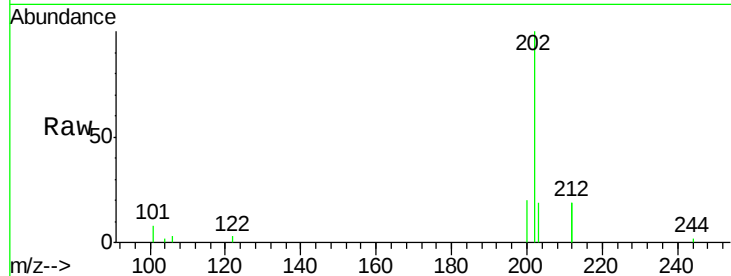
#26
 Fluoranthene
 Concen: 0.062 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B163-042319

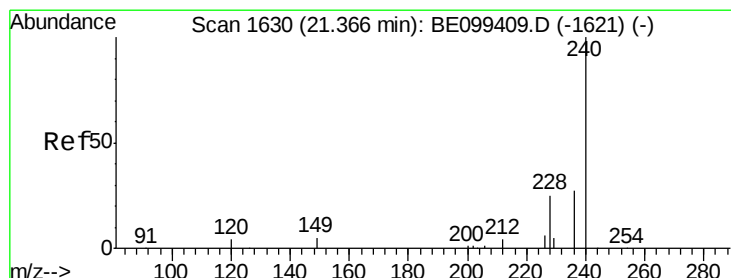
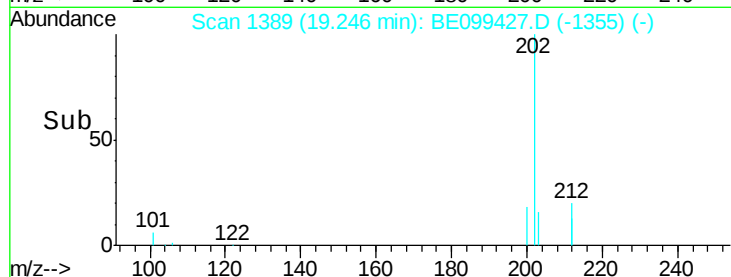
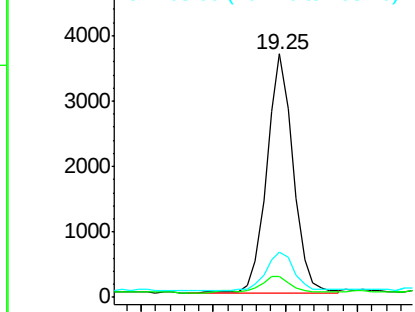
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4685		
101	8.8	5.4	8.0#	
203	17.5	13.9	20.9	

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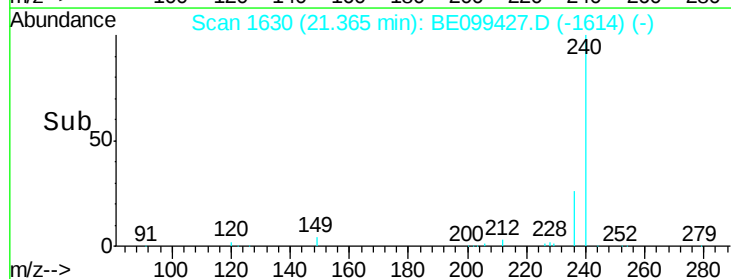
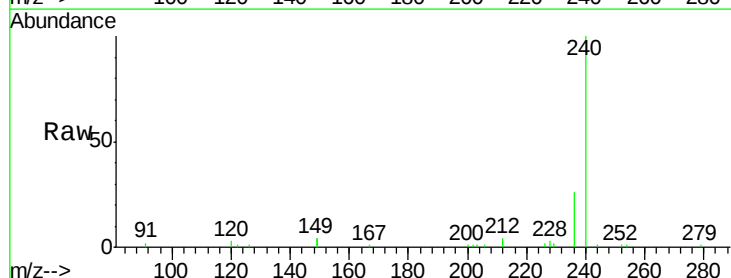
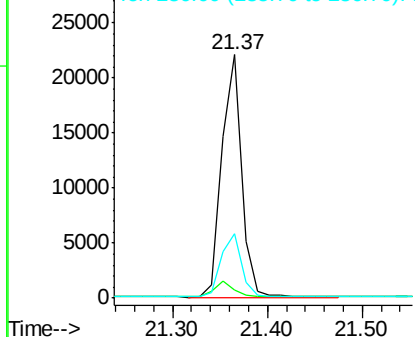
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

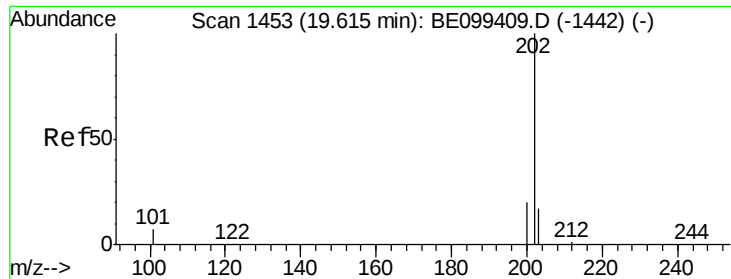


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31902		
120	3.2	4.0	6.0#	
236	26.5	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





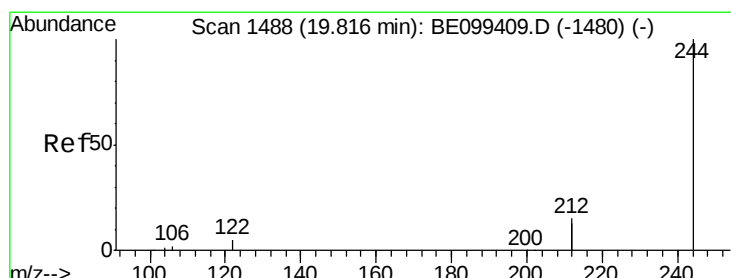
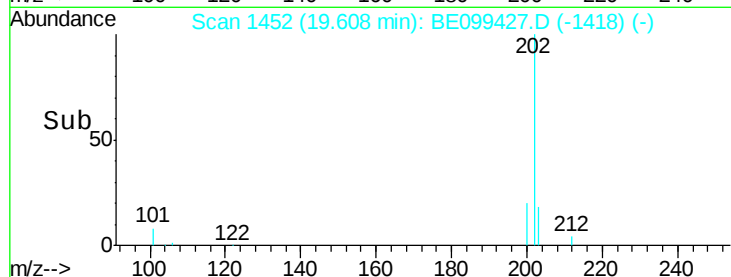
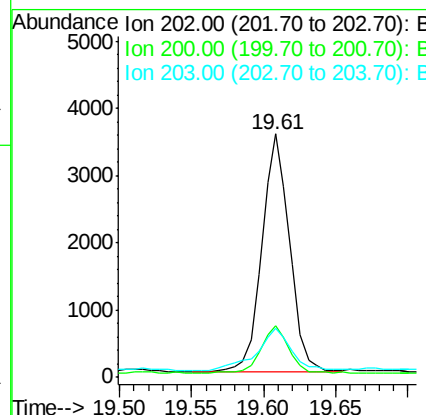
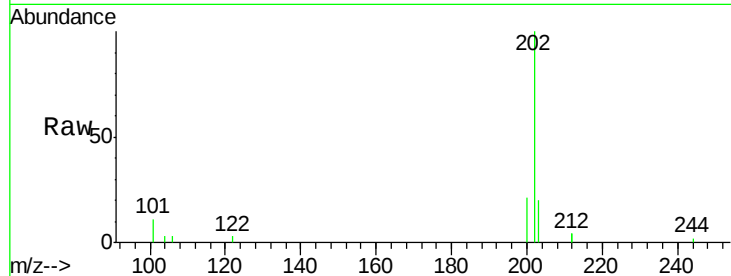
#28
 Pyrene
 Concen: 0.058 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B163-042319

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	22.3	13.9	20.9

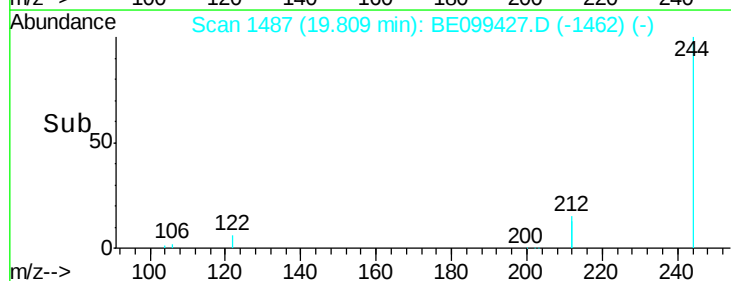
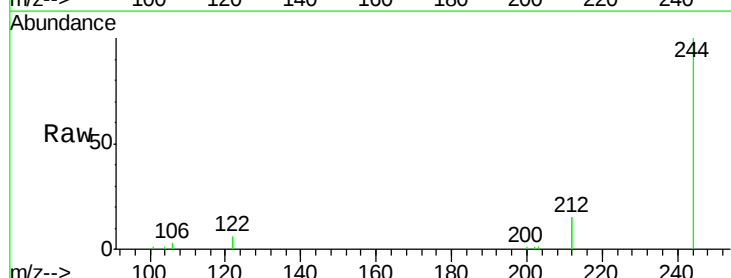
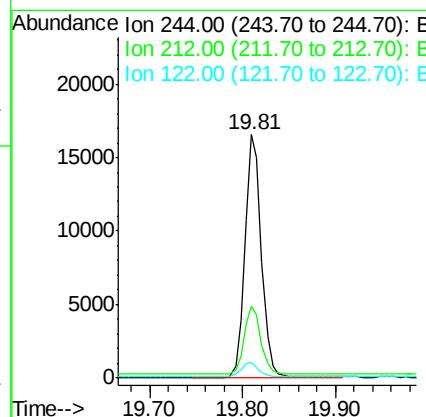
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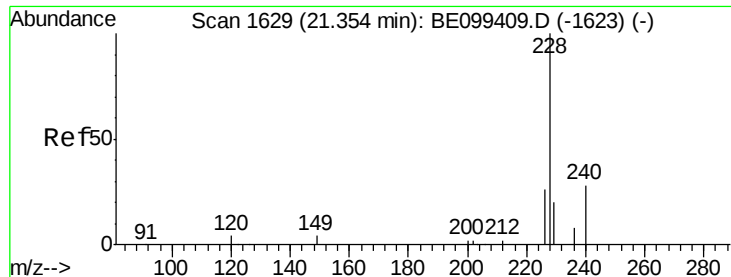
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#29
 Terphenyl-d14
 Concen: 0.348 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.8	23.2	34.8
122	6.4	4.2	6.4





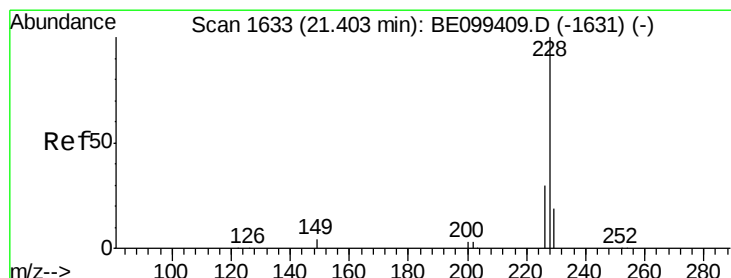
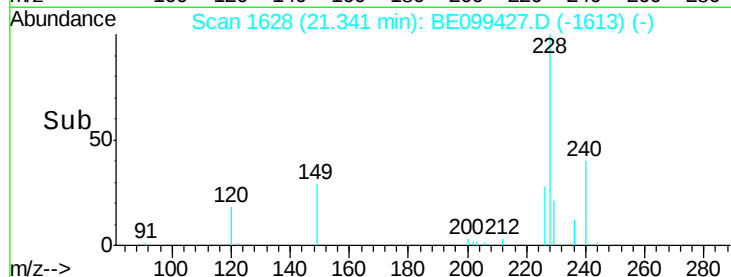
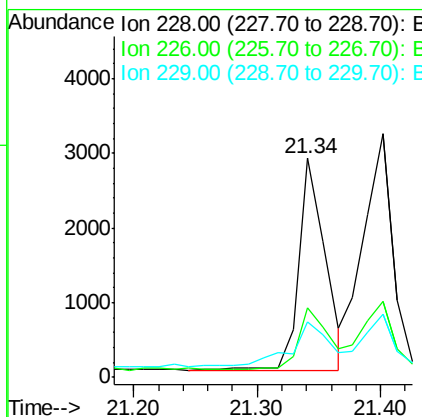
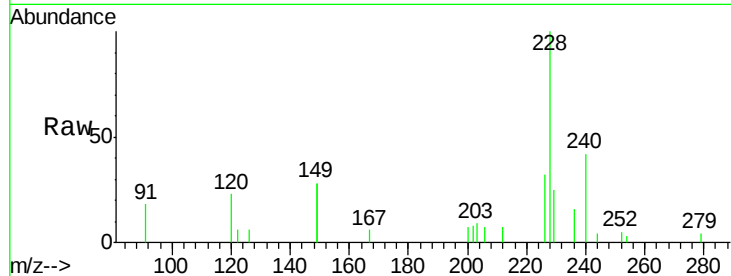
#30
Benzo(a)anthracene
Concen: 0.042 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Instrument :
BNA_E
ClientSampleId :
PST-004-B163-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	21.0	31.6#
229	25.3	16.6	25.0#

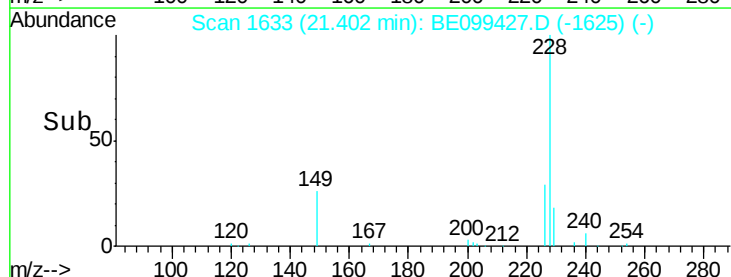
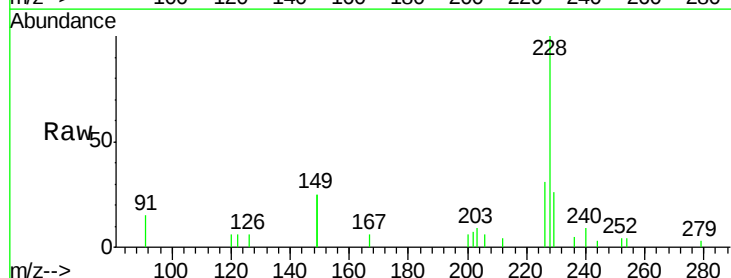
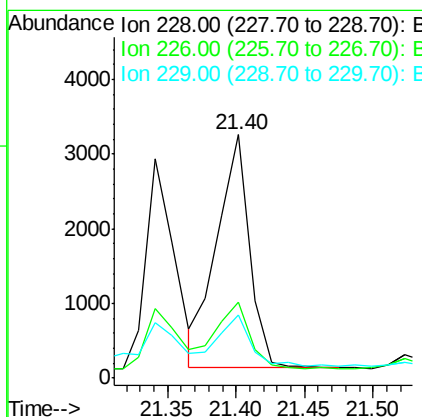
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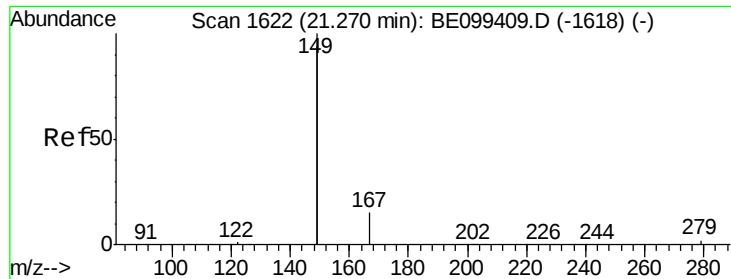
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#31
Chrysene
Concen: 0.052 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	25.7	15.8	23.8#





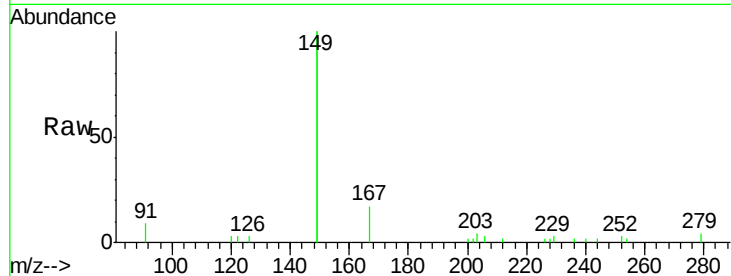
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.034 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Instrument :
BNA_E
ClientSampleId :
PST-004-B163-042319

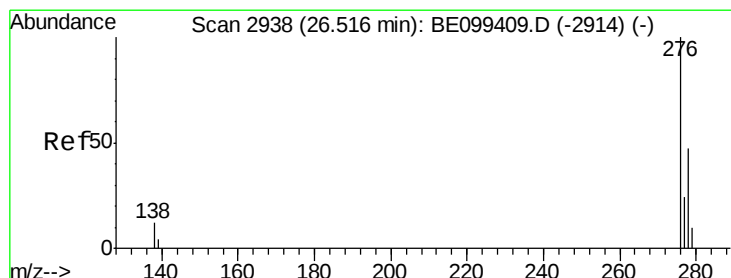
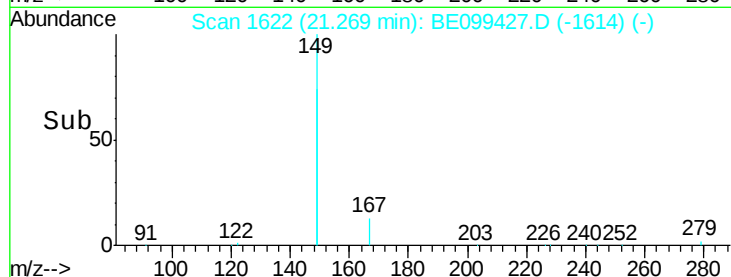
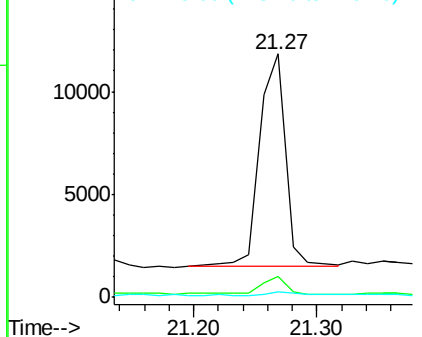
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	7.2	5.8	8.6
279	1.6	1.0	1.6#

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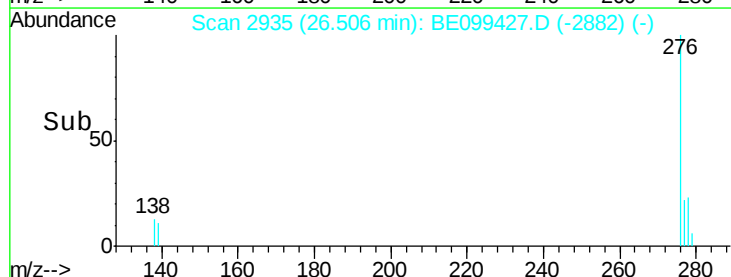
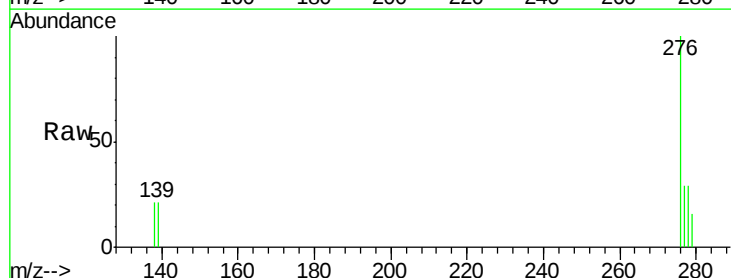
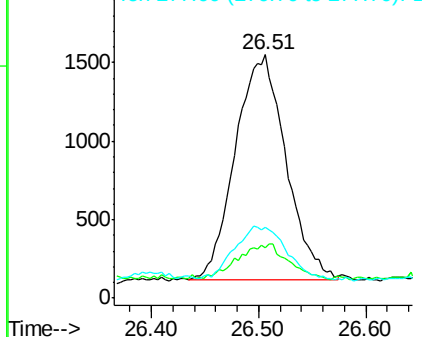
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

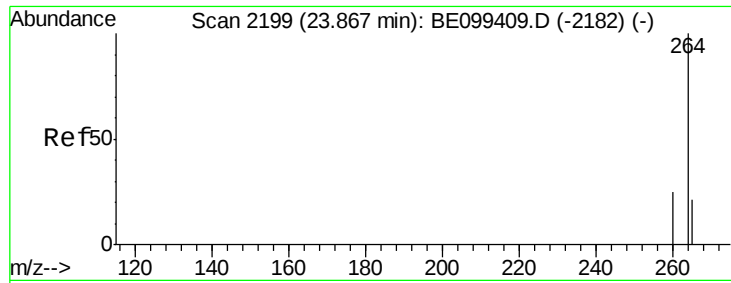


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.040 ng
RT: 26.51 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	16.3	10.2	15.2#
277	24.8	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





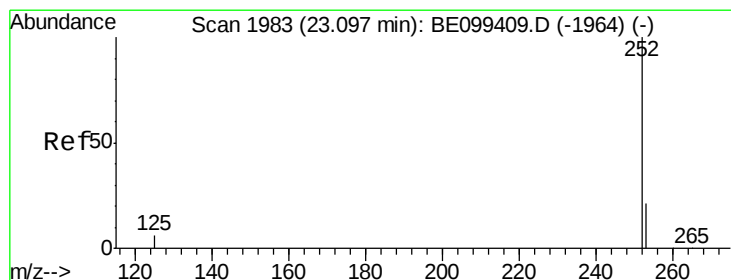
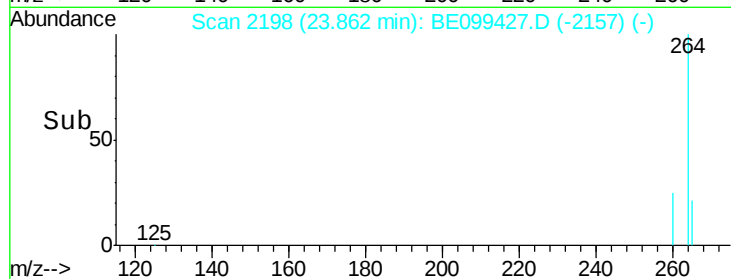
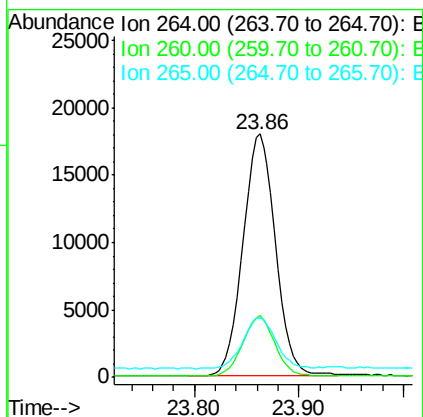
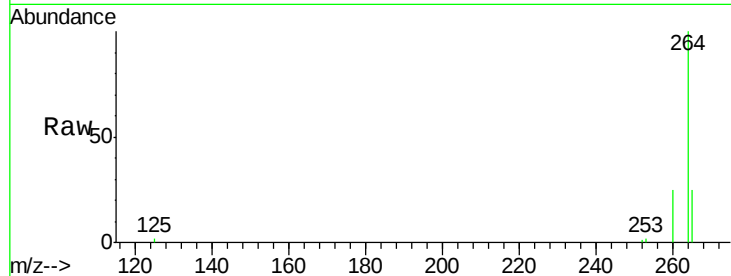
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Instrument :
BNA_E
ClientSampleId :
PST-004-B163-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	38916		
260	25.4	20.2	30.2	
265	24.6	21.3	31.9	

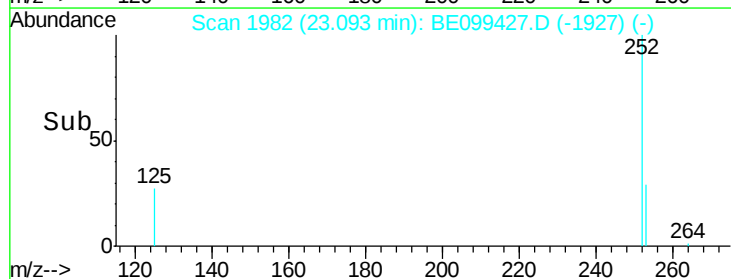
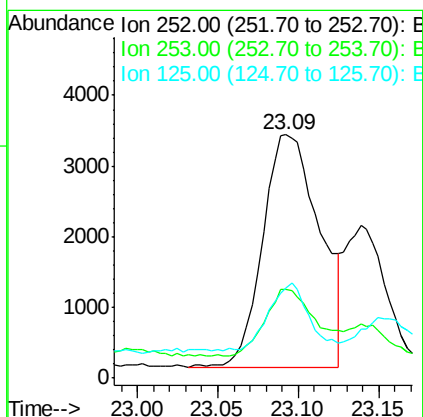
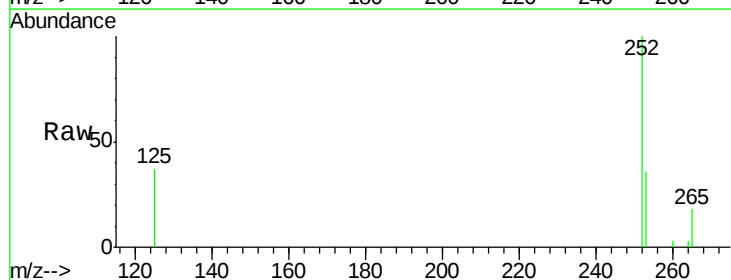
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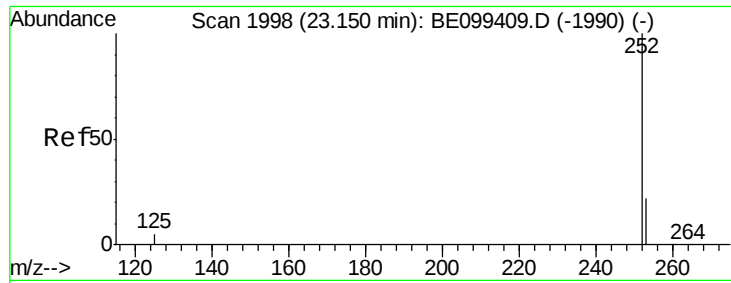
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#35
Benzo(b)fluoranthene
Concen: 0.072 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	8125		
253	36.2	18.1	27.1#	
125	36.9	5.6	8.4#	





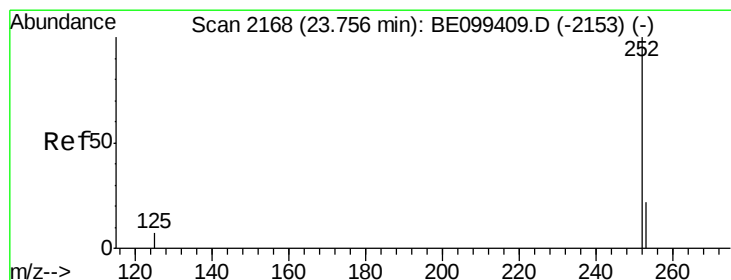
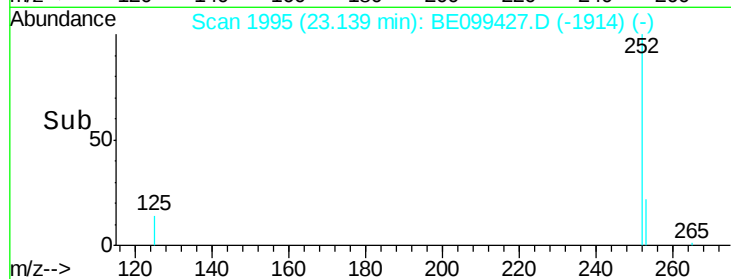
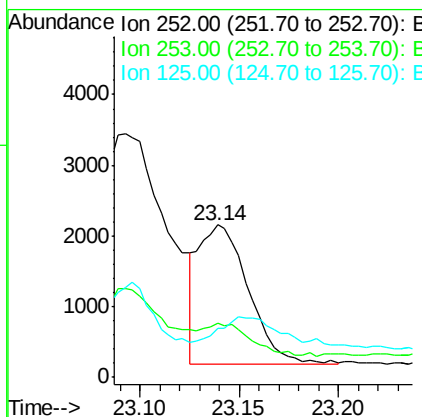
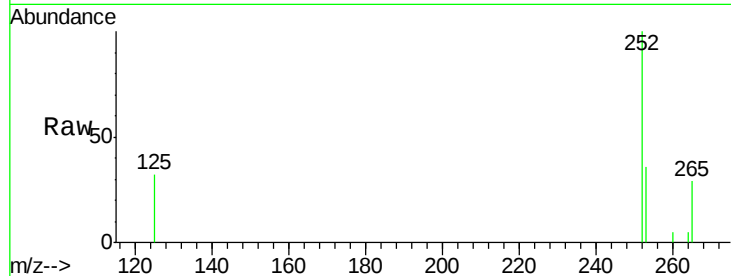
#36
Benzo(k)fluoranthene
Concen: 0.032 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Instrument :
BNA_E
ClientSampleId :
PST-004-B163-042319

Tgt Ion: 252 Resp: 3480
Ion Ratio Lower Upper
252 100
253 35.6 18.4 27.6#
125 32.2 5.0 7.4#

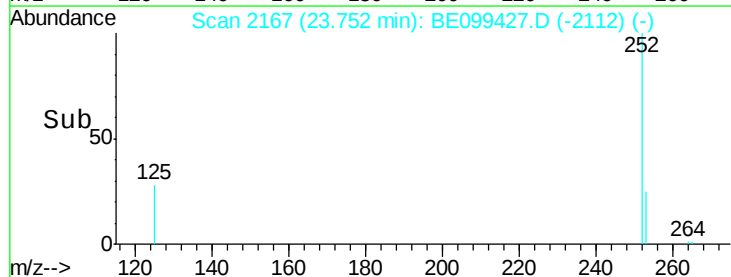
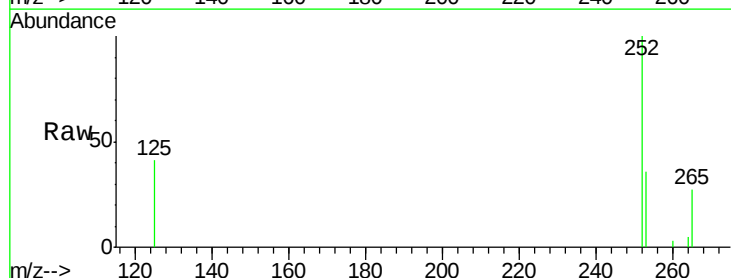
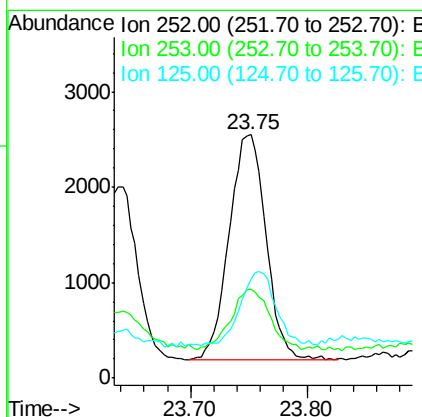
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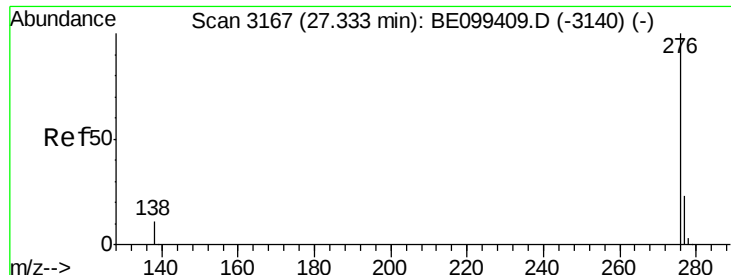
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#37
Benzo(a)pyrene
Concen: 0.049 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Tgt Ion: 252 Resp: 5157
Ion Ratio Lower Upper
252 100
253 36.4 18.9 28.3#
125 40.7 6.7 10.1#





#39

Benzo(g,h,i)perylene

Concen: 0.044 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099427.D

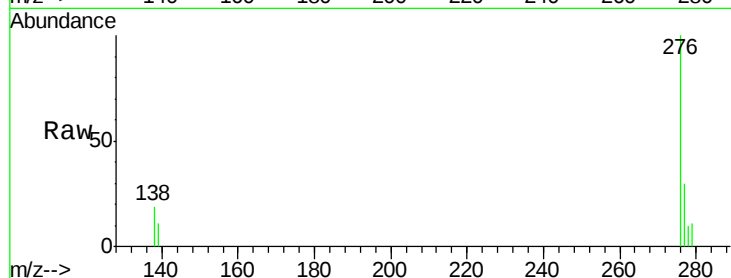
Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319



Tgt Ion: 276 Resp: 4770

Ion Ratio Lower Upper

276 100

277 29.9 19.5 29.3#

138 19.0 9.6 14.4#

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