

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100135.D
 Acq On : 21 Jun 2019 14:28
 Operator : JU/SJ
 Sample : K3428-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Manual Integrations
 APPROVED

mohammad
 6/25/2019 3:21:04 PM

Quant Time: Jun 22 02:19:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	435	0.40	ng	-0.01
7) Naphthalene-d8	10.55	136	1443	0.40	ng	0.01
13) Acenaphthene-d10	14.40	164	1518	0.40	ng	-0.01
19) Phenanthrene-d10	17.16	188	5400	0.40	ng	0.00
27) Chrysene-d12	21.34	240	7836	0.40	ng	0.00
34) Perylene-d12	23.84	264	9048	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	323	0.36	ng	-0.01
5) Phenol-d6	6.92	99	433	0.35	ng	-0.01
8) Nitrobenzene-d5	8.95	82	312	0.22	ng	0.04
11) 2-Methylnaphthalene-d10	12.17	152	68	0.02	ng	0.02
14) 2,4,6-Tribromophenol	15.92	330	267	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.05	172	1442	0.24	ng	0.00
25) Fluoranthene-d10	19.19	212	1570	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	5505	0.35	ng	-0.02

Target Compounds				Qvalue		
12) 2-Methylnaphthalene	12.25	142	71	0.028	ng	# 74
23) Phenanthrene	17.20	178	1944	0.150	ng	98
24) Anthracene	17.29	178	246	0.023	ng	# 91
26) Fluoranthene	19.22	202	4421	0.213	ng	98
28) Pyrene	19.58	202	4251	0.211	ng	97
30) Benzo(a)anthracene	21.32	228	3011	0.129	ng	# 92
31) Chrysene	21.38	228	2974	0.110	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.25	149	2182	0.099	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.47	276	1485	0.049	ng	# 97
35) Benzo(b)fluoranthene	23.07	252	3584	0.135	ng	# 33
36) Benzo(k)fluoranthene	23.11	252	1621m	0.054	ng	
37) Benzo(a)pyrene	23.72	252	2497	0.097	ng	# 32
39) Benzo(a,h,i)perylene	27.28	276	1479	0.054	ng	# 77

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

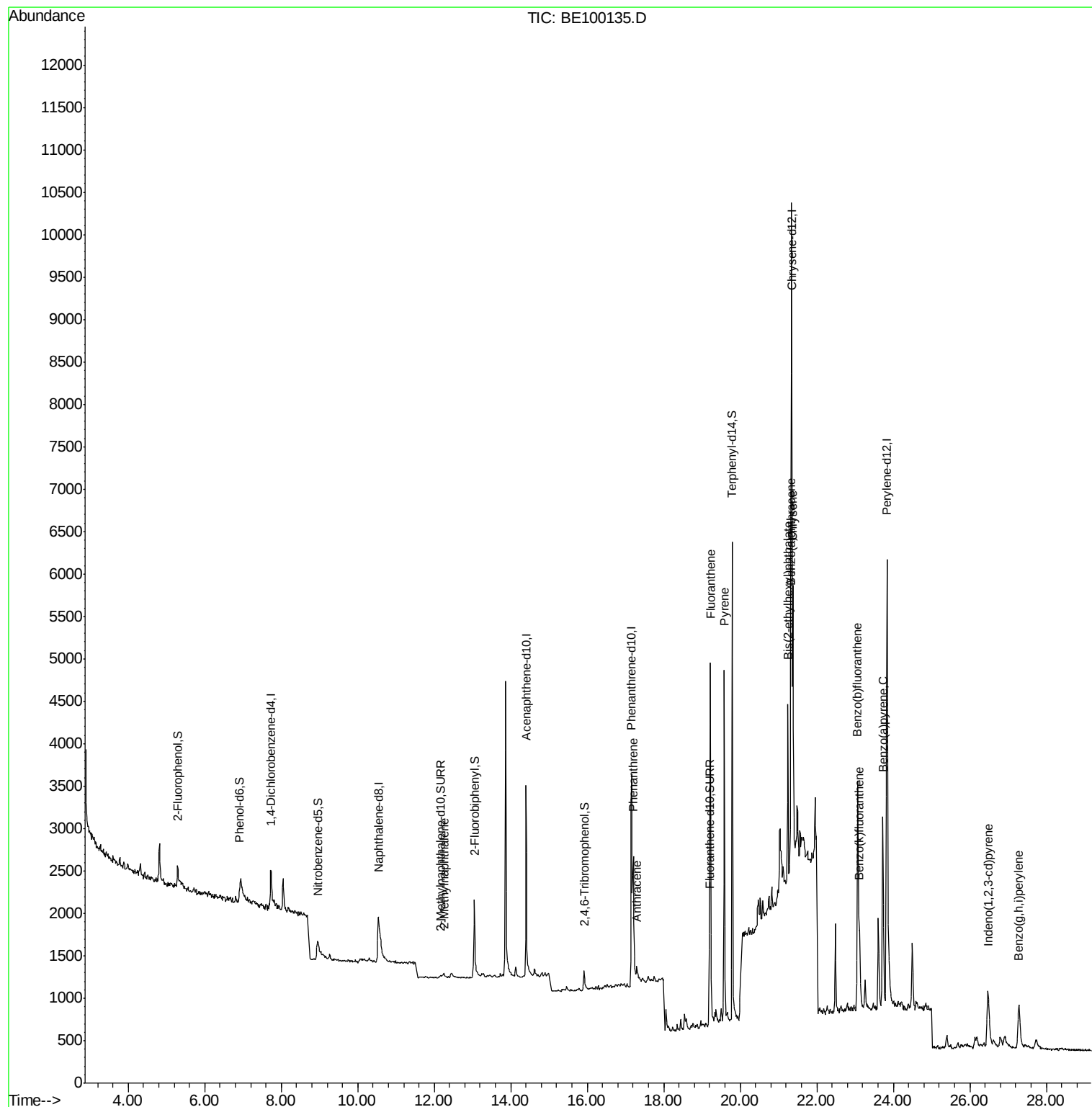
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
Data File : BE100135.D
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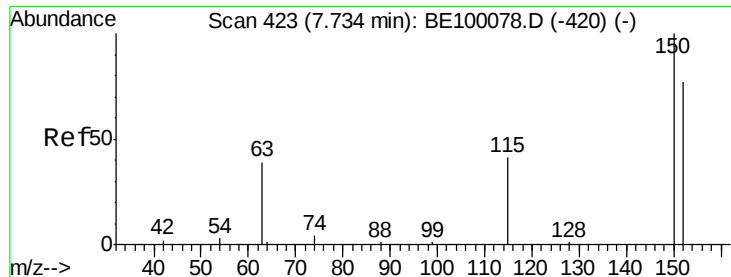
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PST-084-B044-061319

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#1

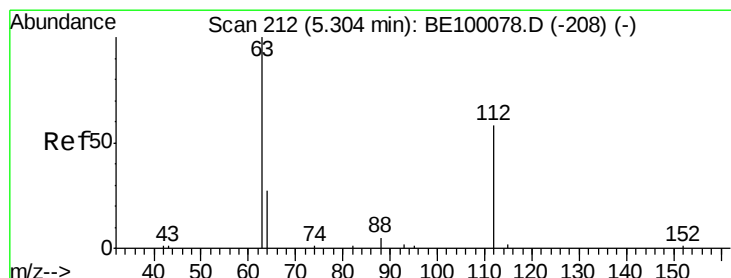
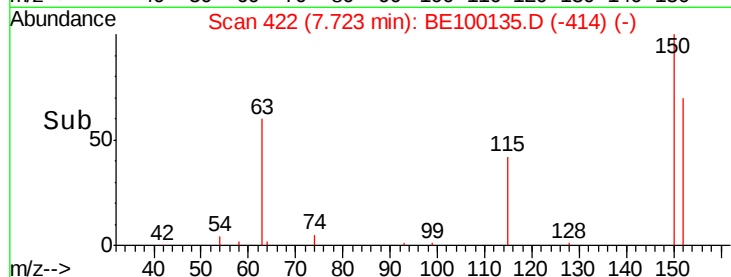
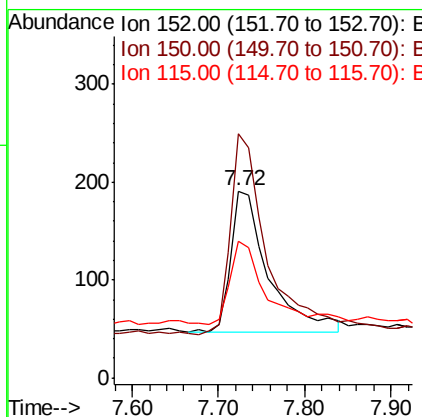
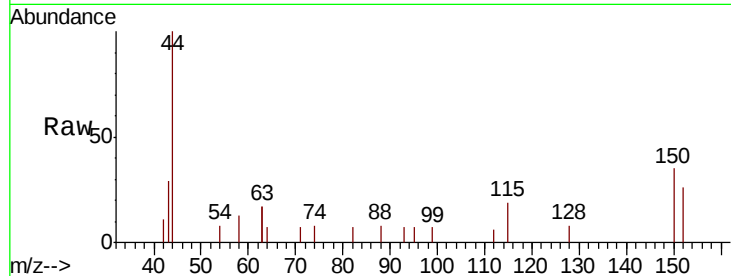
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	130.4	99.8	149.8
115	73.3	51.3	76.9

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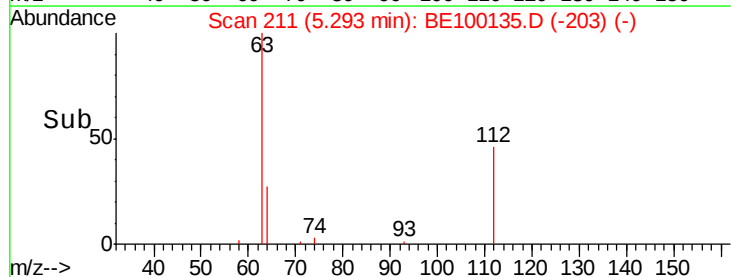
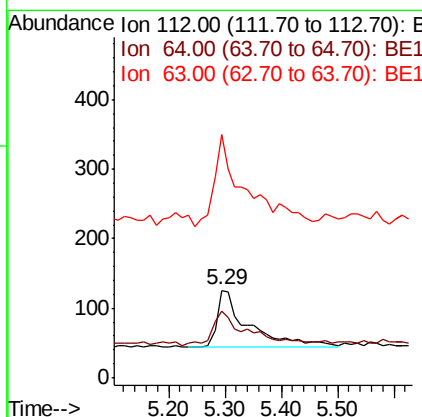
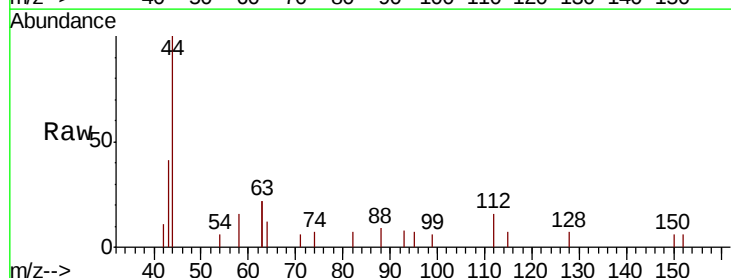
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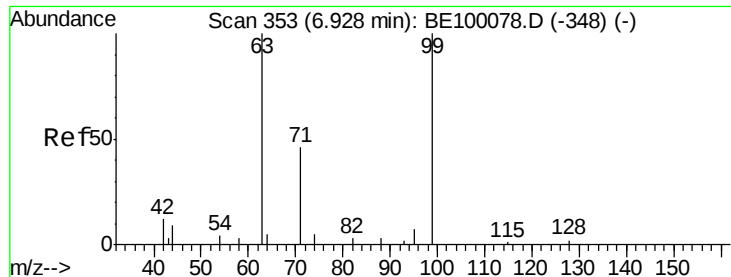


#4

2-Fluorophenol
Concen: 0.358 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	22.0	33.0#
63	157.9	121.8	182.6





#5

Phenol-d6

Concen: 0.349 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Instrument :

BNA_E

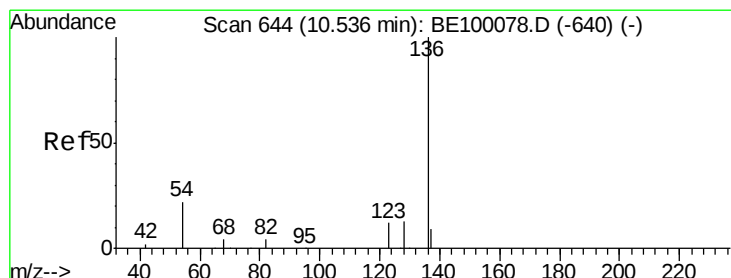
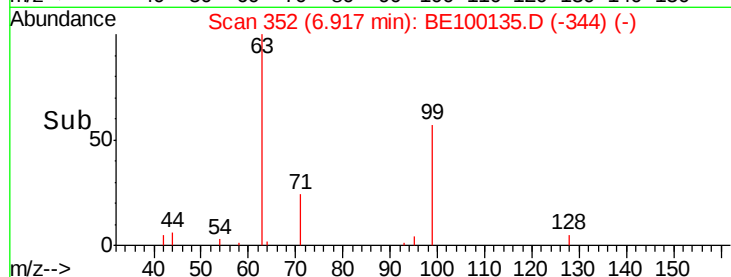
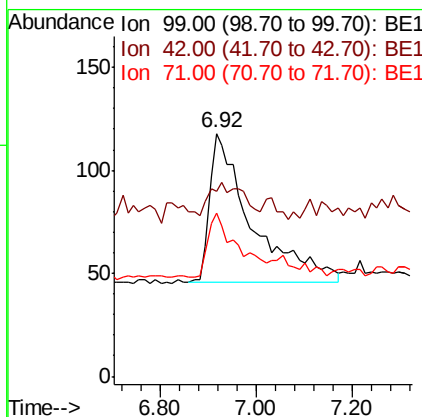
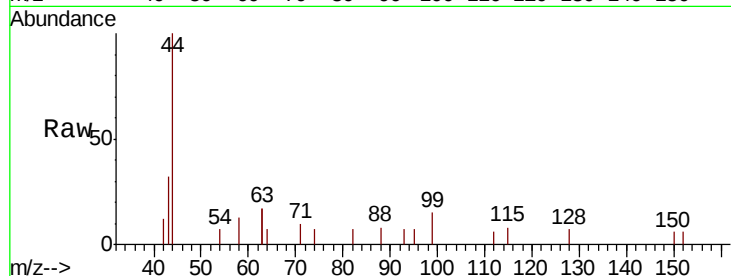
ClientSampleId :

PST-084-B044-061319

Tot Ion:	99	Resp:	433
Ion	Ratio	Lower	Upper
99	100		
42	17.1	0.0	0.0#
71	31.2	37.6	56.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

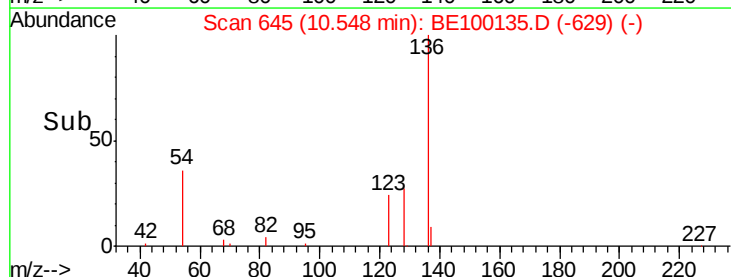
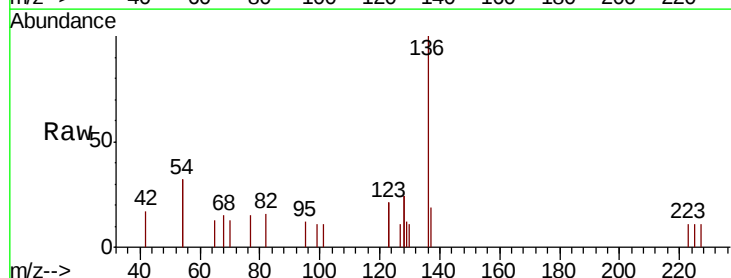
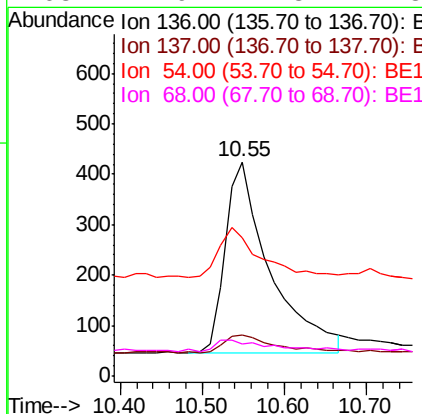
RT: 10.55 min Scan# 645

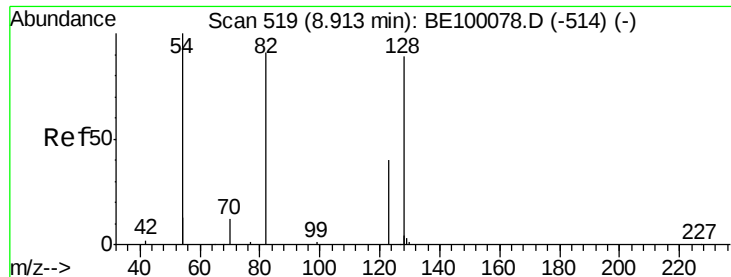
Delta R.T. 0.01 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Tgt Ion:	136	Resp:	1443
Ion	Ratio	Lower	Upper
136	100		
137	19.1	11.6	17.4#
54	64.6	33.9	50.9#
68	14.9	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.223 ng

RT: 8.95 min Scan# 522

Delta R.T. 0.04 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Instrument :

BNA_E

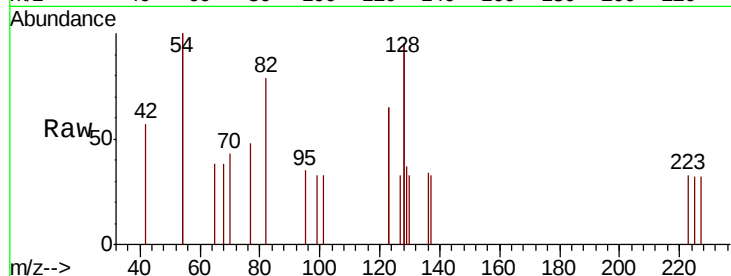
ClientSampleId :

PST-084-B044-061319

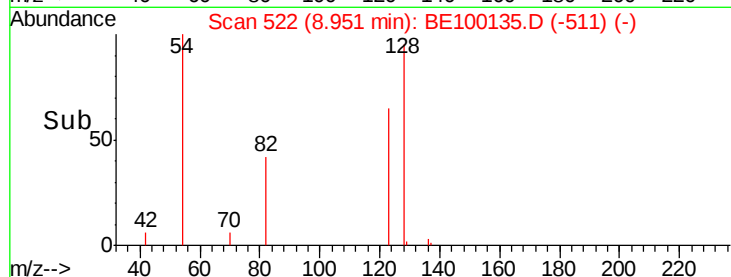
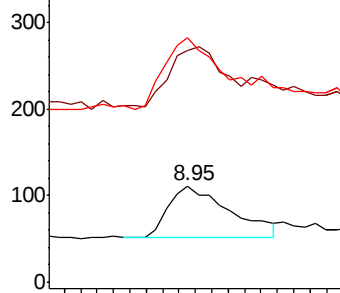
Tot Ion:	82	Resp:	312
Ion Ratio	Lower	Upper	
82	100		
128	241.4	128.0	192.0#
54	254.1	143.4	215.0#

Manual Integrations
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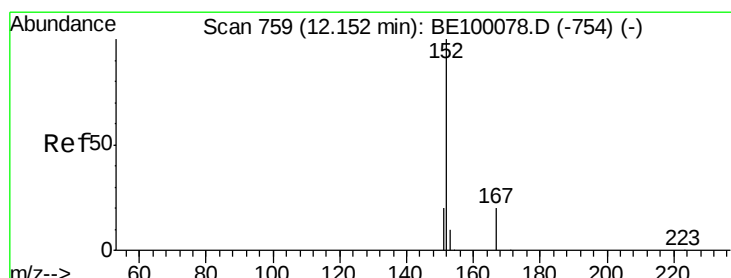
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.025 ng

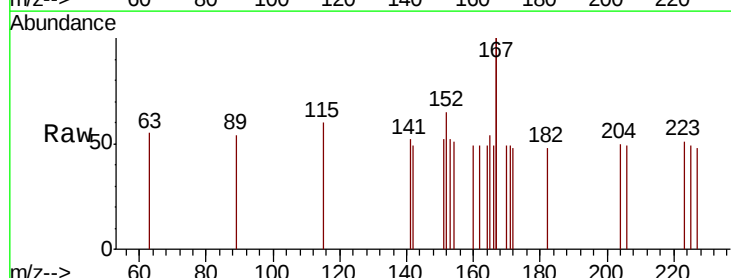
RT: 12.17 min Scan# 760

Delta R.T. 0.02 min

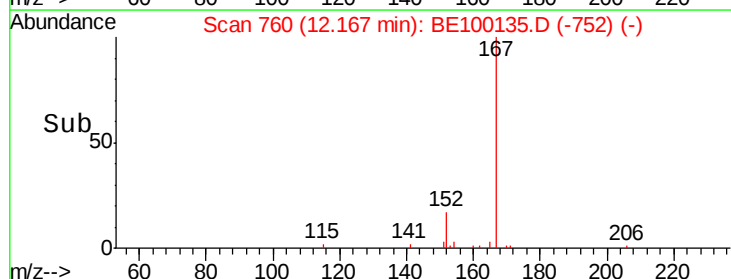
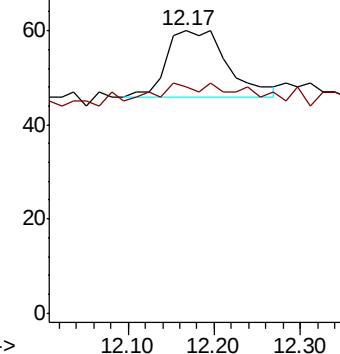
Lab File: BE100135.D

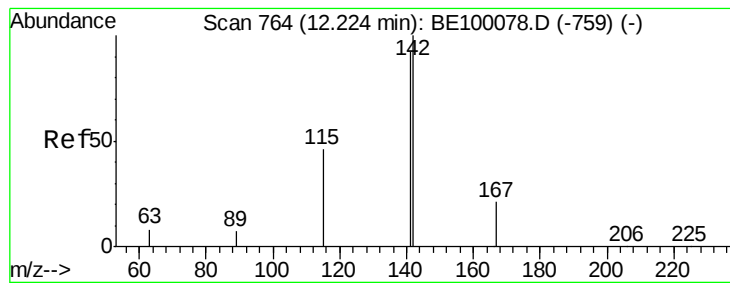
Acq: 21 Jun 2019 14:28

Tgt Ion:	152	Resp:	68
Ion Ratio	Lower	Upper	
152	100		
151	16.2	16.3	24.5#



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





#12

2-Methylnaphthalene

Concen: 0.028 ng

RT: 12.25 min Scan# 766

Delta R.T. 0.03 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Instrument :

BNA_E

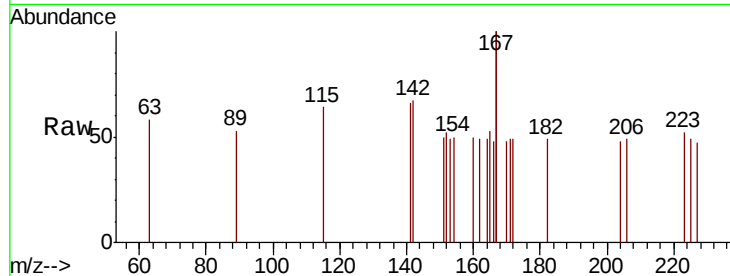
ClientSampleId :

PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
142	100		
141	98.4	74.1	111.1
115	95.2	40.9	61.3

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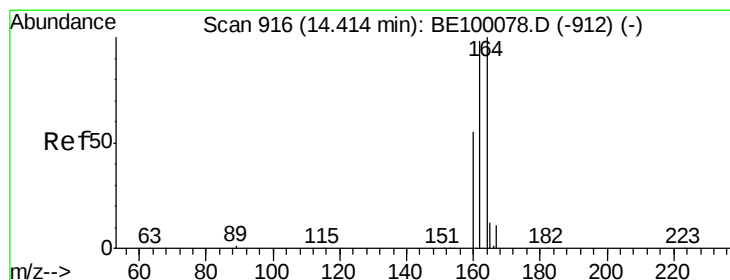
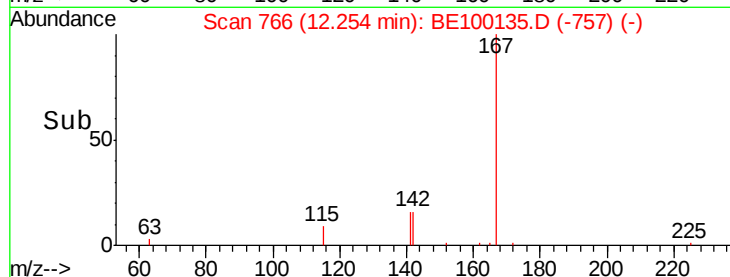
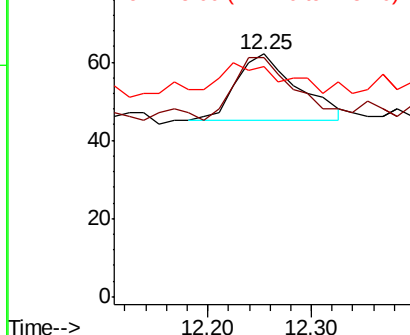


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

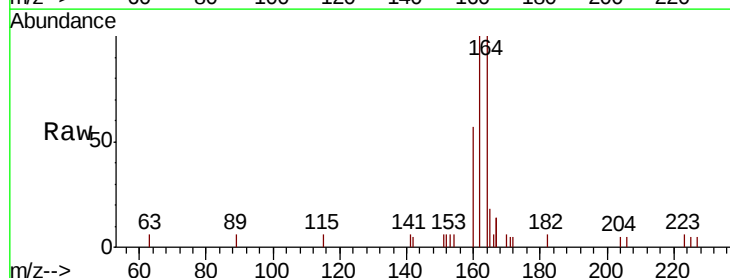
RT: 14.40 min Scan# 915

Delta R.T. -0.01 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.2	117.2
160	56.9	45.6	68.4

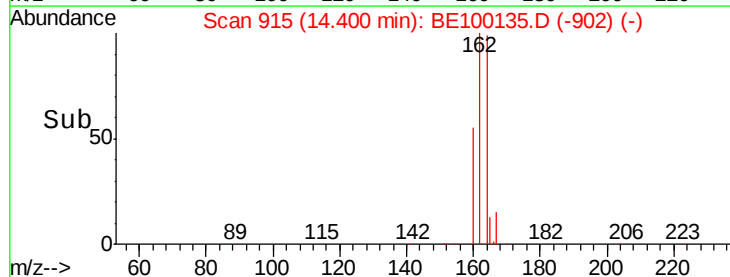
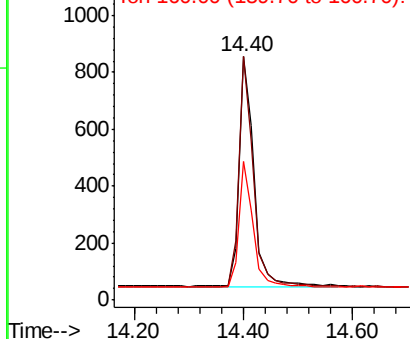


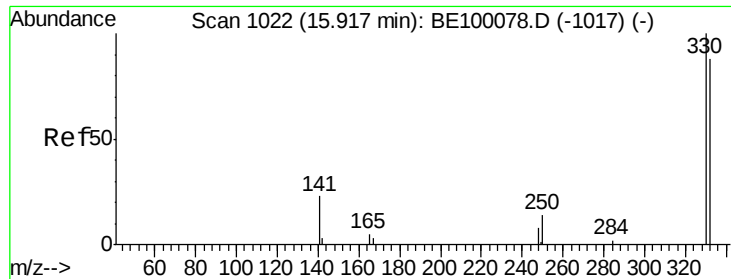
Abundance

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: 0.318 ng

RT: 15.92 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Instrument :

BNA_E

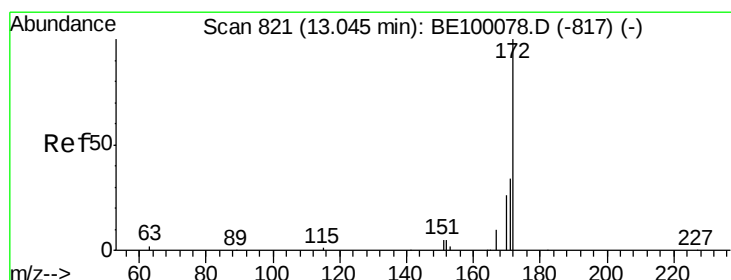
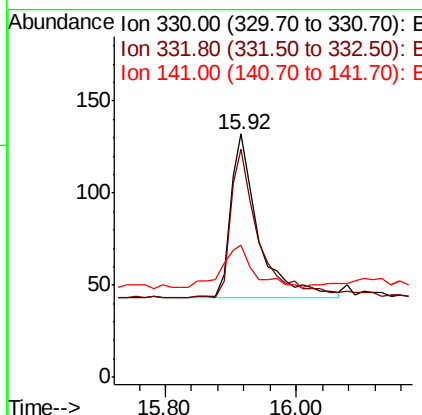
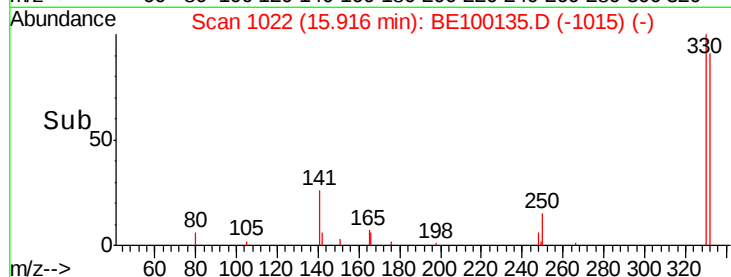
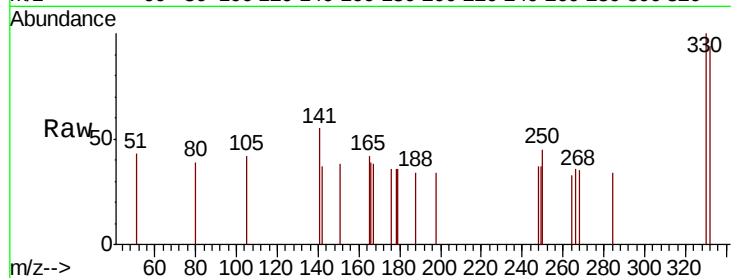
ClientSampleId :

PST-084-B044-061319

Tot Ion:	330	Resp:	267
Ion Ratio	Lower	Upper	
330	100		
332	92.1	73.3	109.9
141	27.7	22.2	33.2

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#15

2-Fluorobiphenyl

Concen: 0.242 ng

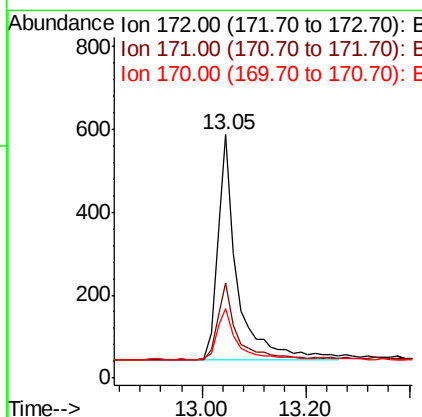
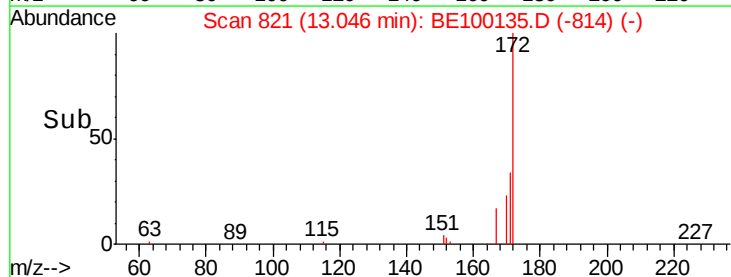
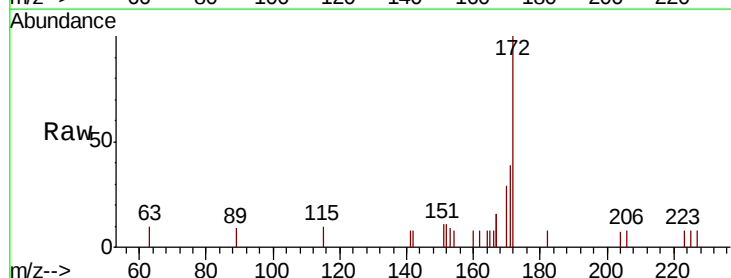
RT: 13.05 min Scan# 821

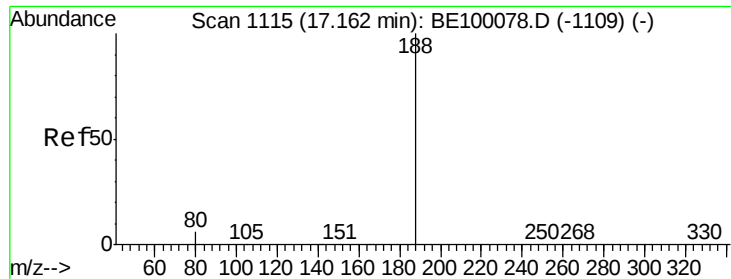
Delta R.T. 0.00 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Tgt Ion:	172	Resp:	1442
Ion Ratio	Lower	Upper	
172	100		
171	39.1	29.8	44.8
170	28.7	23.2	34.8





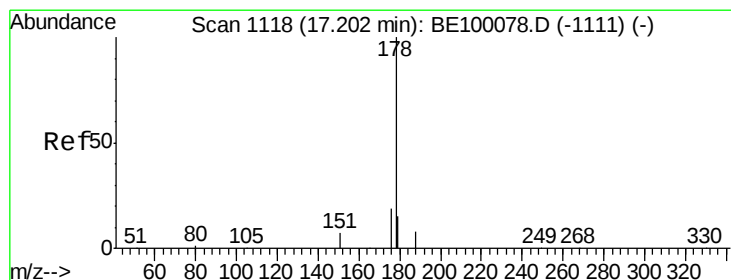
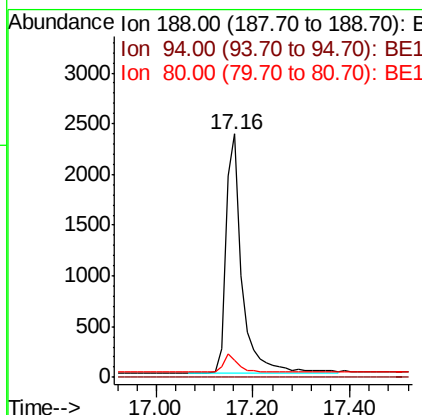
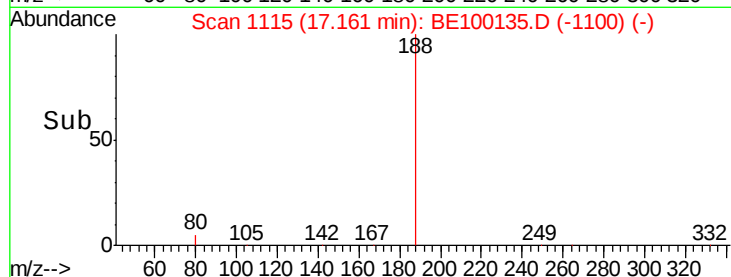
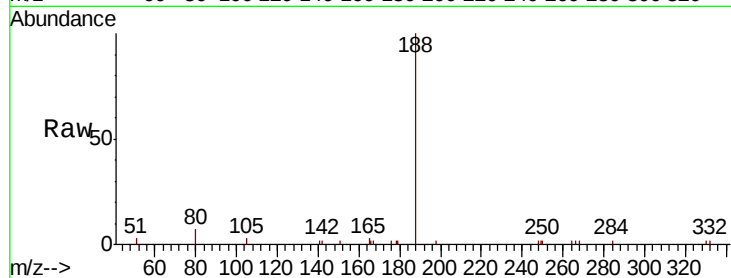
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion:	188	Resp:	5400
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.2	6.3	9.5

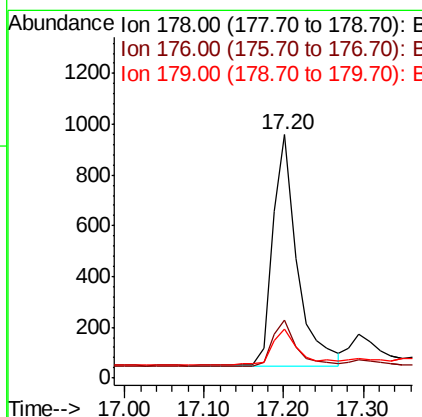
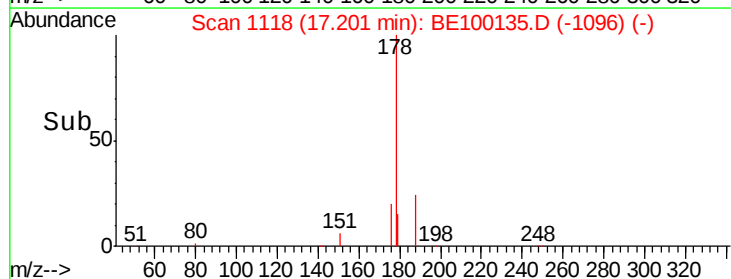
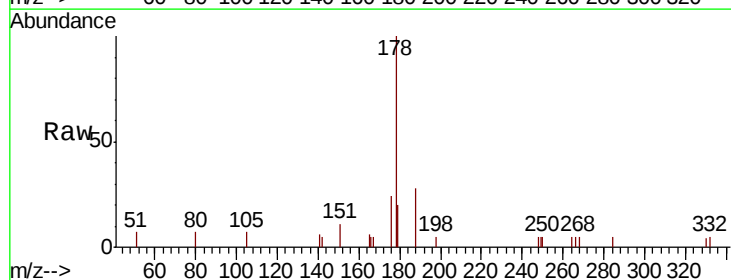
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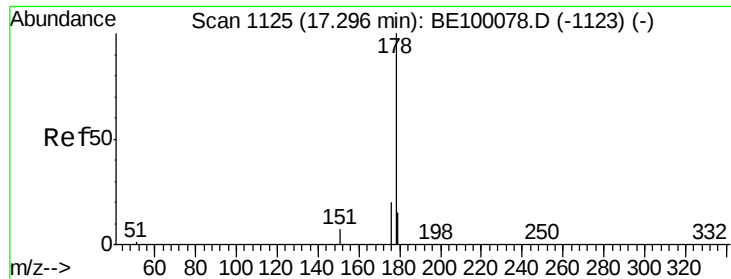
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#23
Phenanthrene
Concen: 0.150 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Tgt Ion:	178	Resp:	1944
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	18.1	13.1	19.7





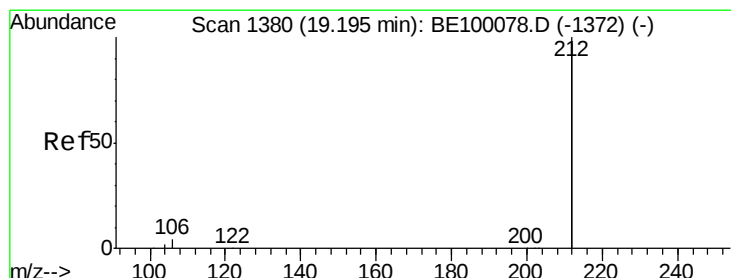
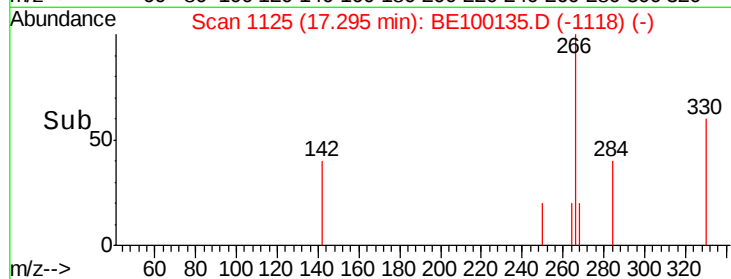
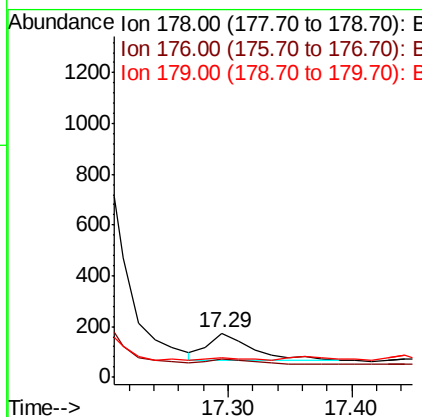
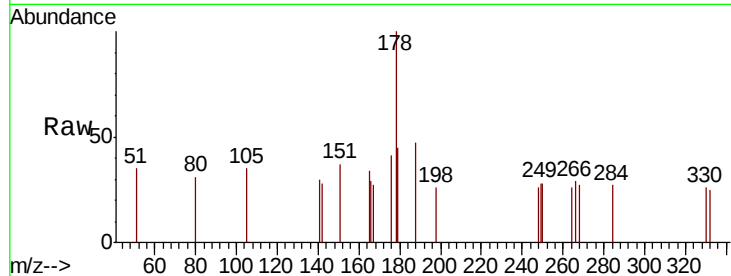
#24
 Anthracene
 Concen: 0.023 ng
 RT: 17.29 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: BE100135.D
 Acq: 21 Jun 2019 14:28

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.6
179	7.7	12.0	18.0

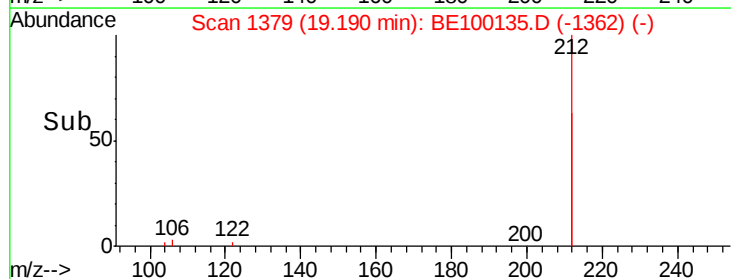
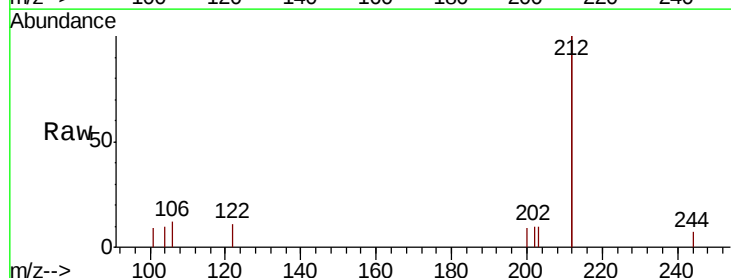
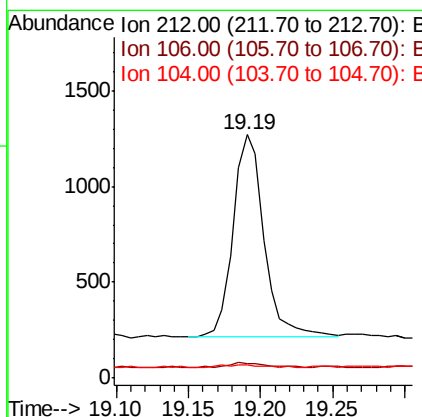
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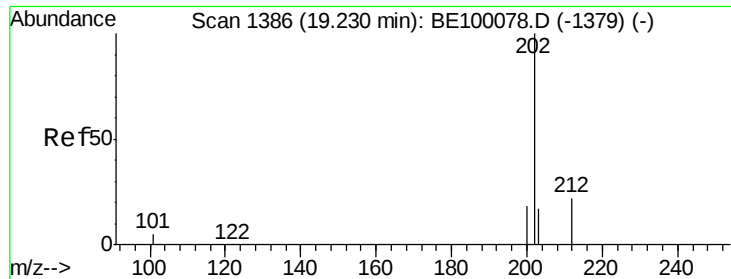
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#25
 Fluoranthene-d10
 Concen: 0.020 ng
 RT: 19.19 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BE100135.D
 Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.0	1.4	2.0
104	1.9	0.8	1.2





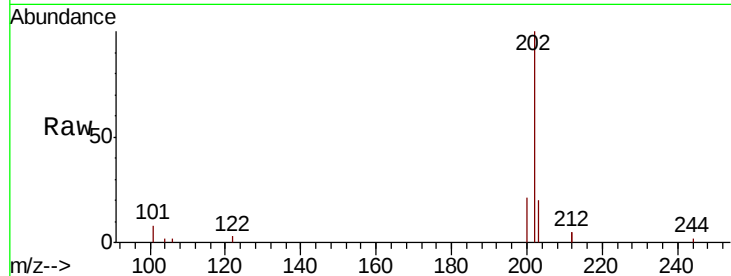
#26
Fluoranthene
Concen: 0.213 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

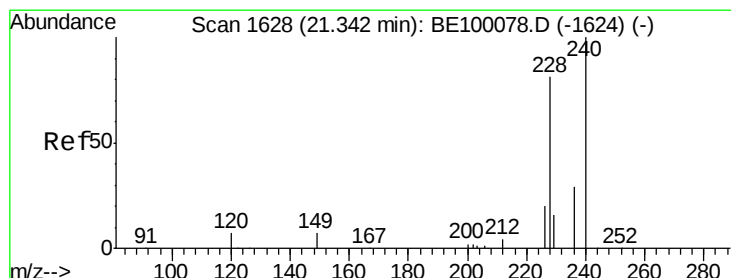
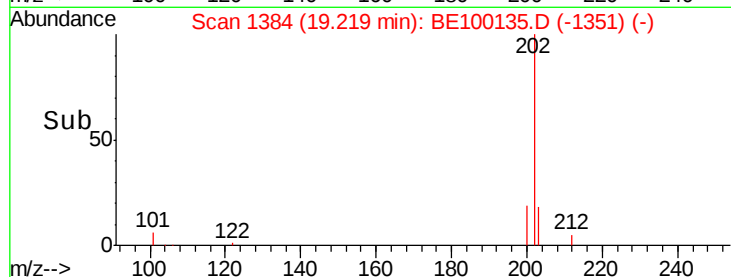
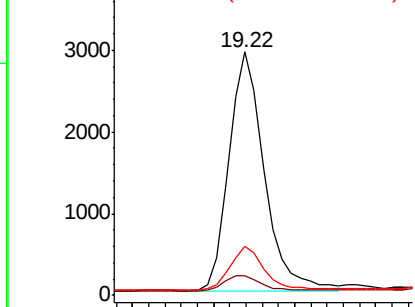
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.0	7.4
203	17.8	13.7	20.5

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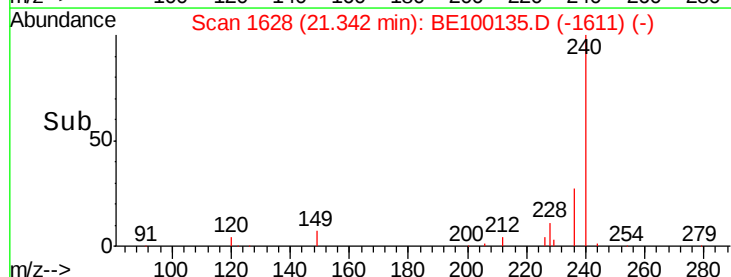
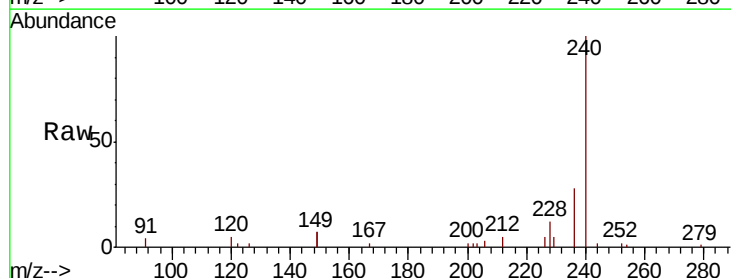
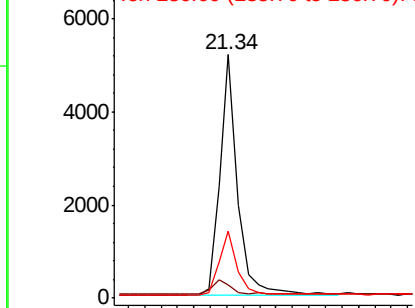
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

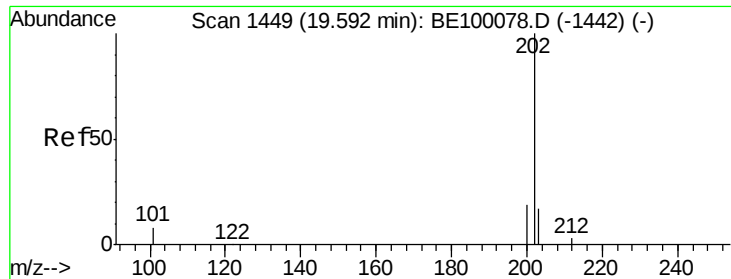


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	6.6	10.0#
236	27.6	23.8	35.6

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





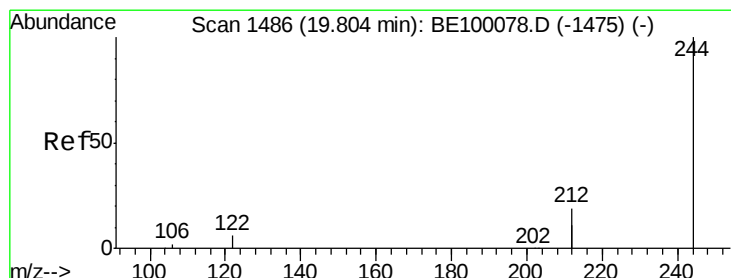
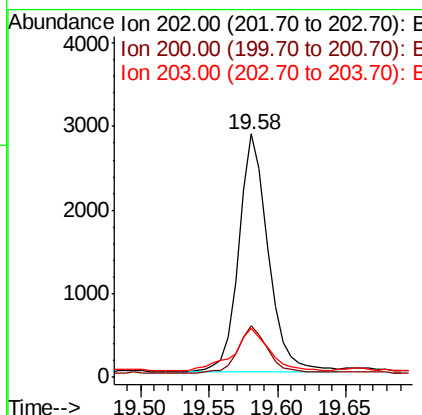
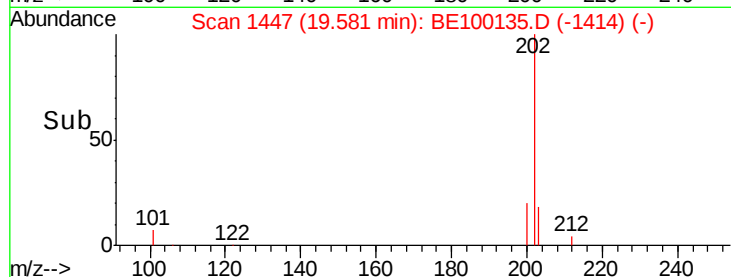
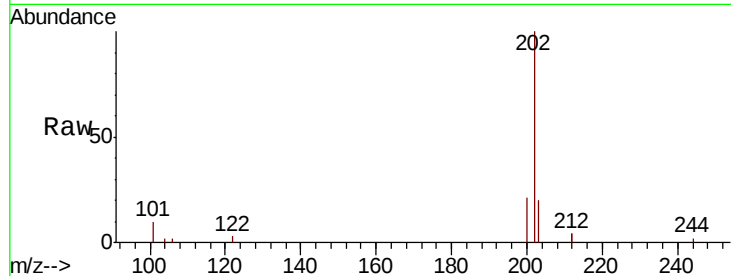
#28
Pvrene
Concen: 0.211 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion:	202	Resp:	4251
Ion Ratio	Lower	Upper	
202	100		
200	19.7	15.6	23.4
203	20.3	13.9	20.9

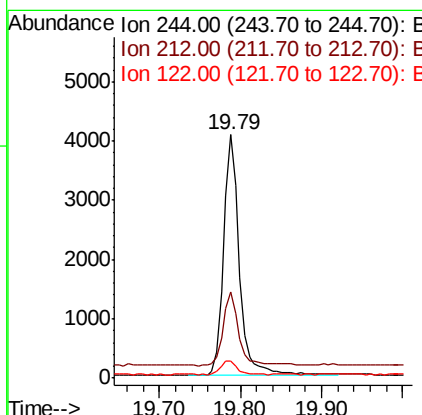
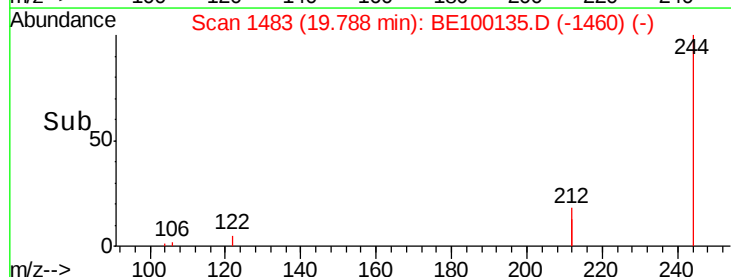
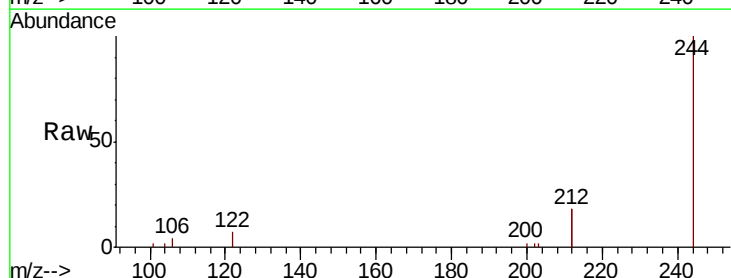
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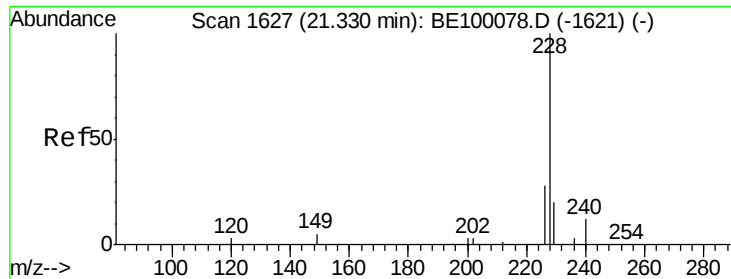
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#29
Terphenyl-d14
Concen: 0.351 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Tgt Ion:	244	Resp:	5505
Ion Ratio	Lower	Upper	
244	100		
212	35.3	29.8	44.8
122	7.0	6.1	9.1





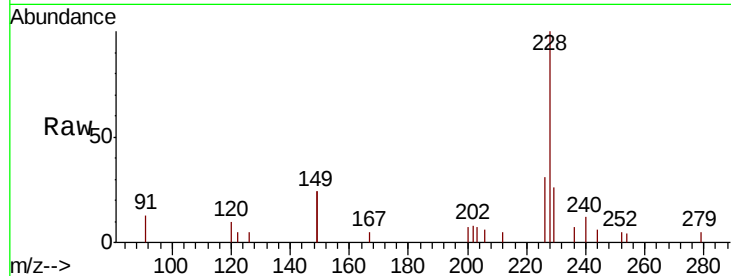
#30
Benzo(a)anthracene
Concen: 0.129 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.4
229	26.2	16.4	24.6

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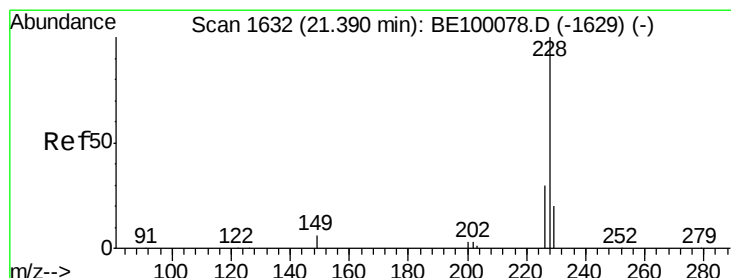
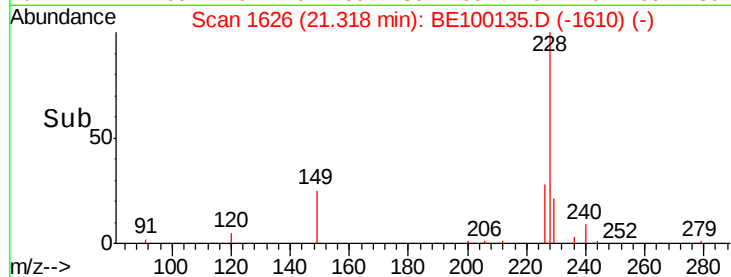
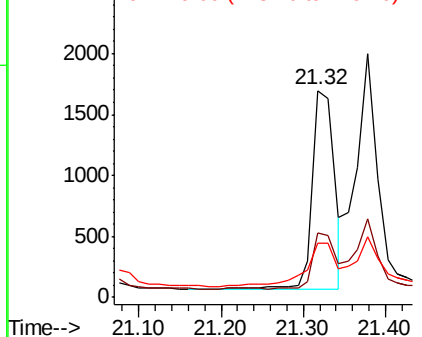


Abundance

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: 0.110 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

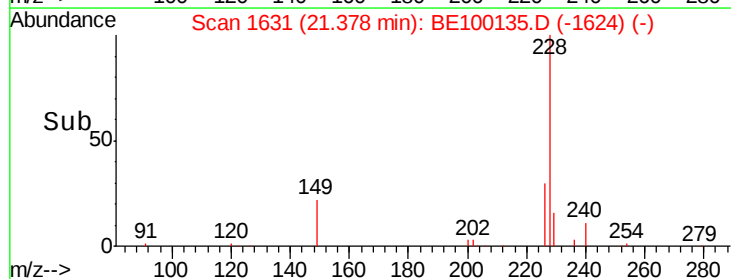
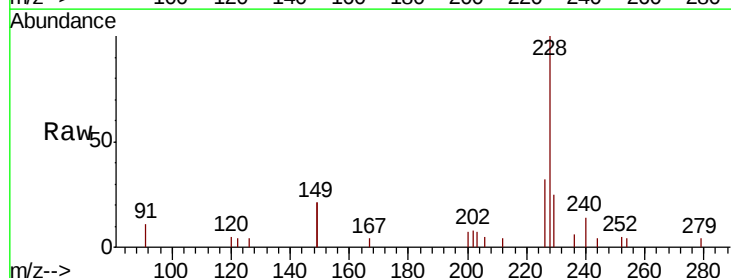
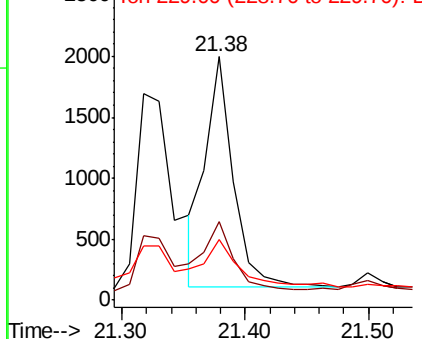
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.8	35.8
229	24.7	16.3	24.5

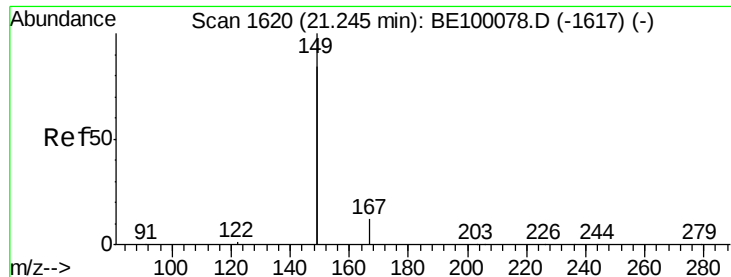
Abundance

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





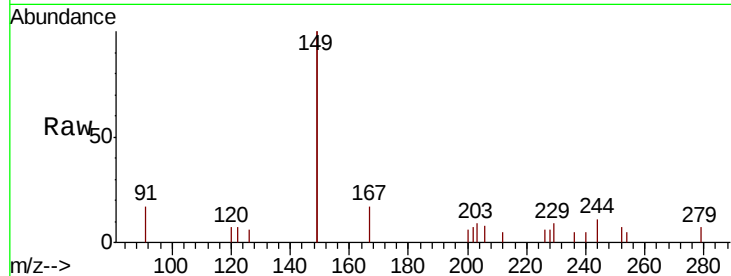
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.099 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100135.D
 Acq: 21 Jun 2019 14:28

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

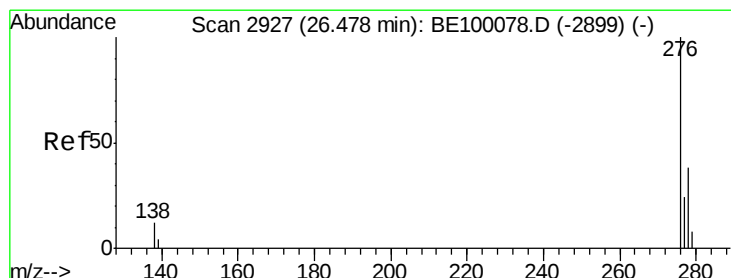
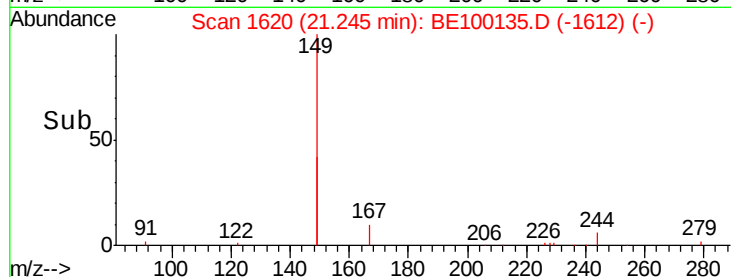
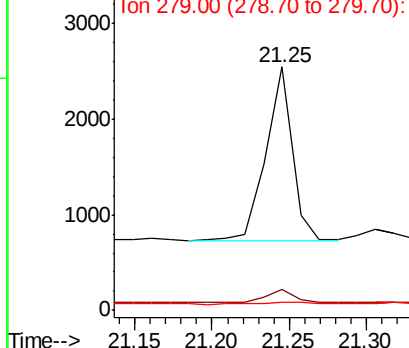
Tot Ion	Ratio	Lower	Upper
149	100		
167	8.1	5.8	8.6
279	3.3	1.1	1.7

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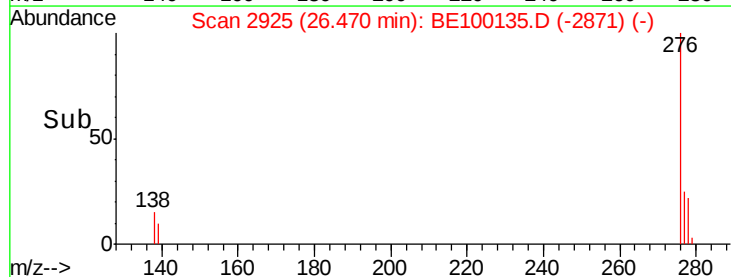
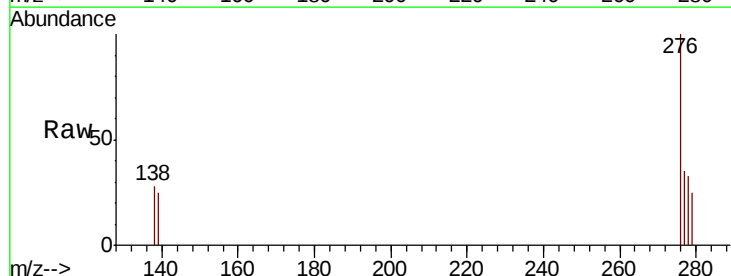
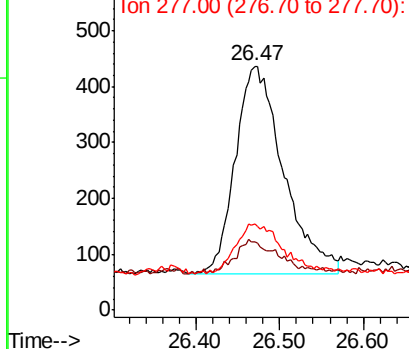
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

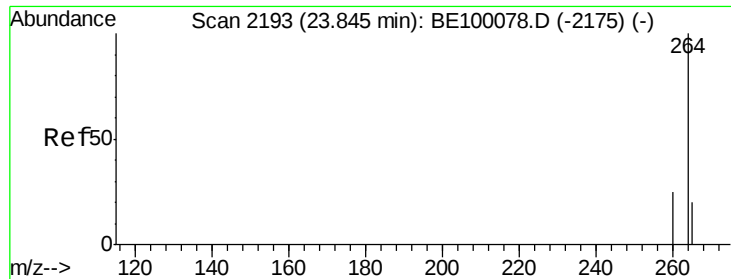


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.049 ng
 RT: 26.47 min Scan# 2925
 Delta R.T. -0.01 min
 Lab File: BE100135.D
 Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.0	4.3	6.5
277	23.3	19.4	29.0

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





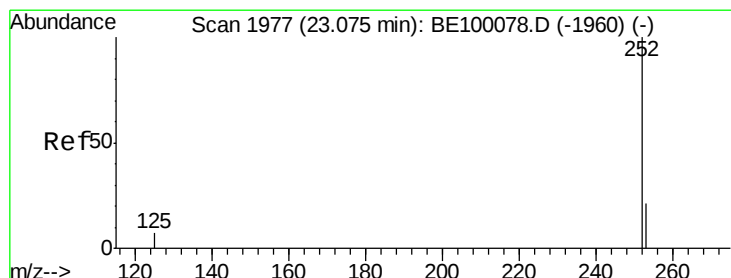
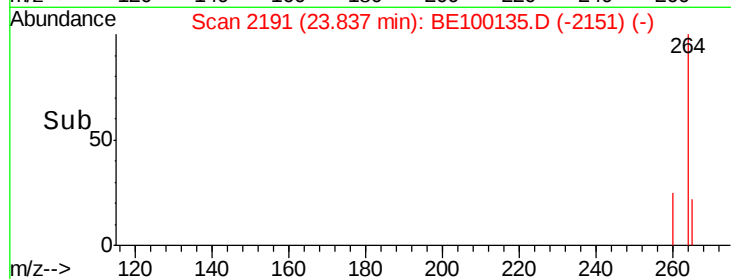
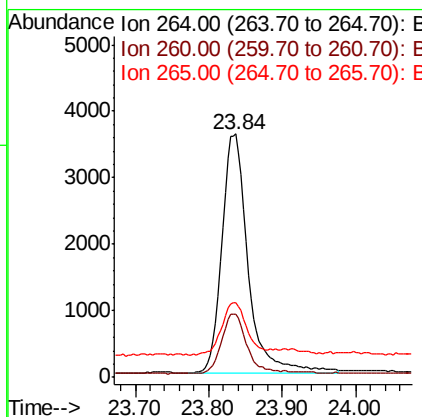
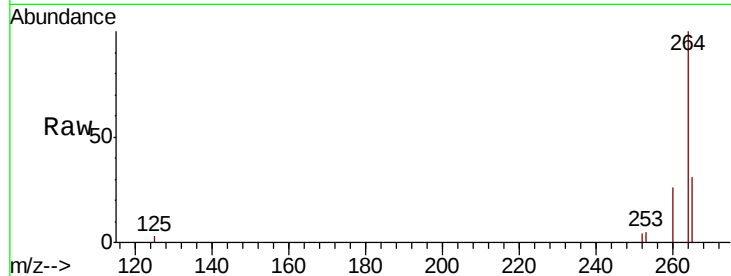
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.8	31.2
265	30.8	23.2	34.8

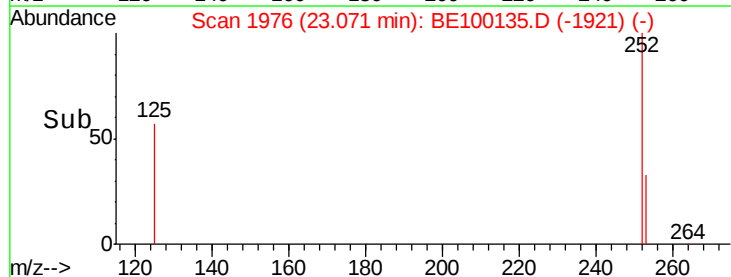
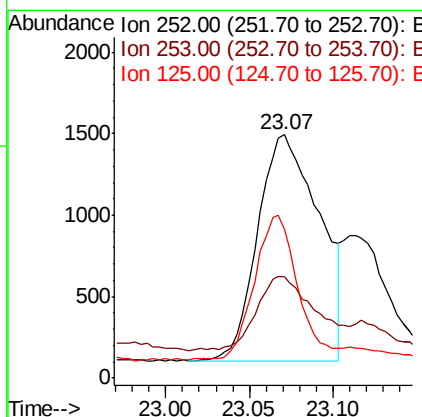
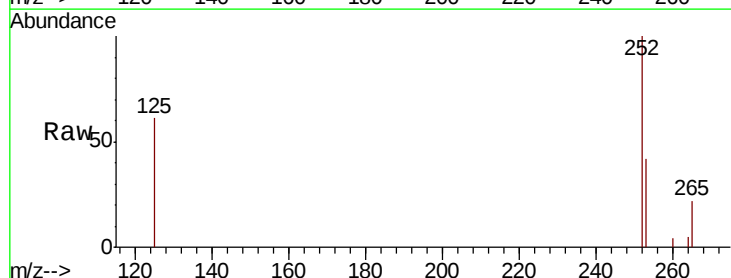
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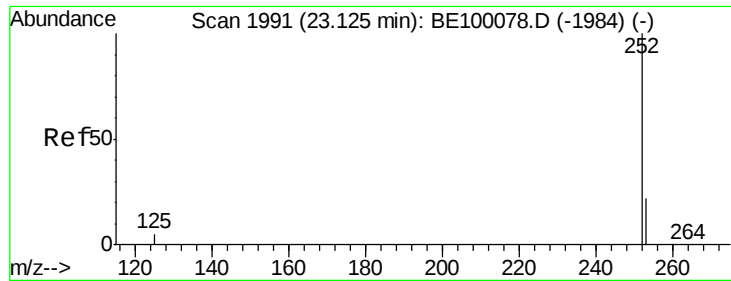
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#35
Benzo(b)fluoranthene
Concen: 0.135 ng
RT: 23.07 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.6	18.4	27.6#
125	61.0	6.4	9.6#





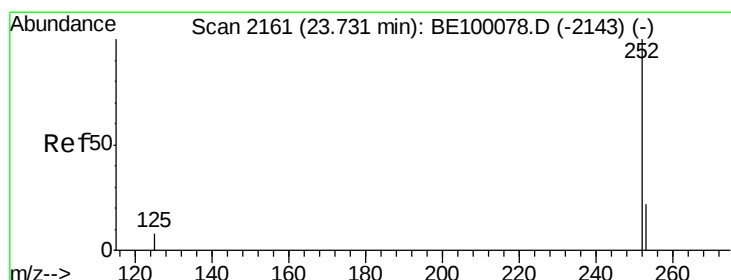
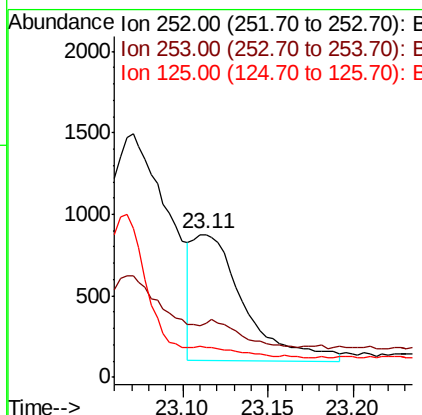
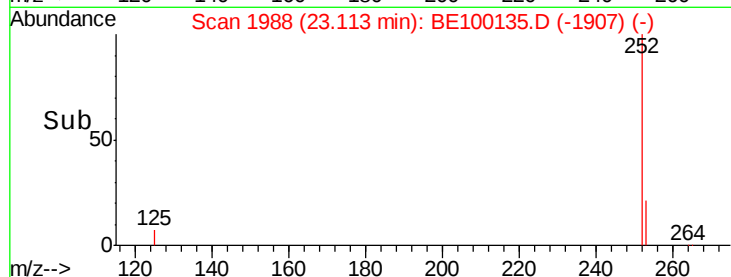
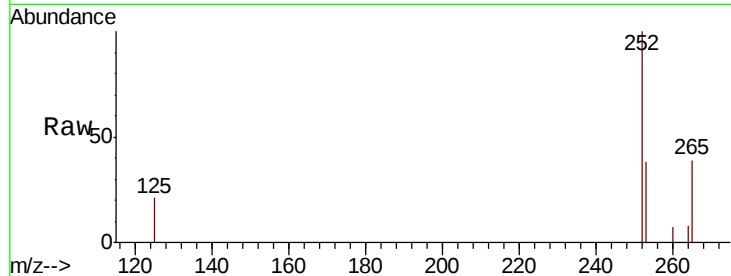
#36
Benzo(k)fluoranthene
Concen: 0.054 ng m
RT: 23.11 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.1	18.9	28.3#
125	20.5	5.3	7.9#

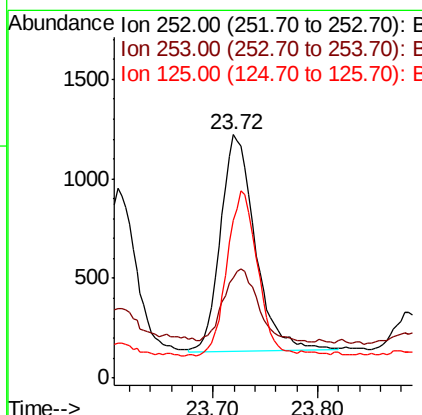
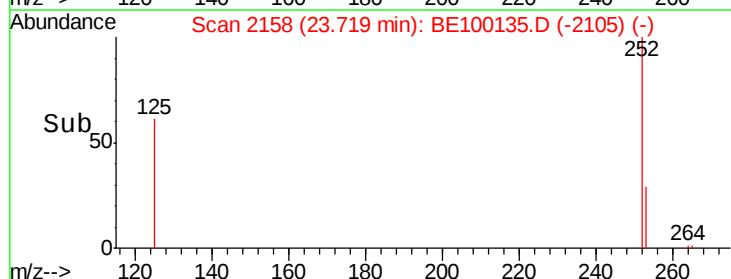
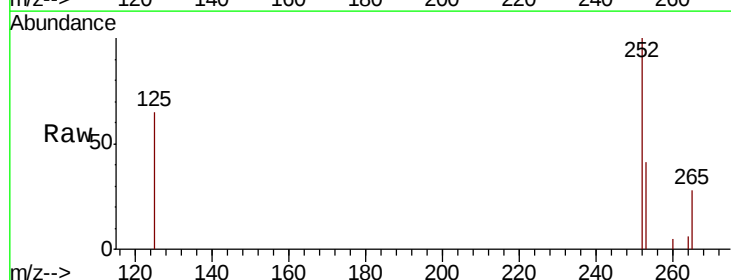
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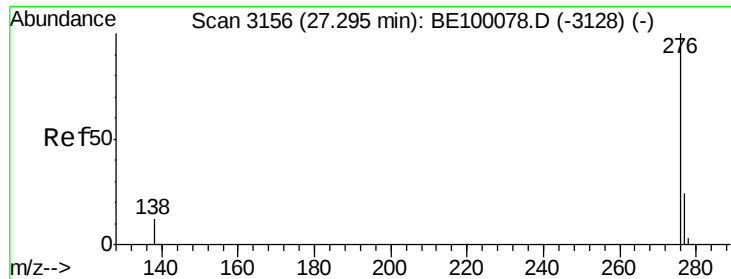
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#37
Benzo(a)pyrene
Concen: 0.097 ng
RT: 23.72 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BE100135.D
Acq: 21 Jun 2019 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.4	19.4	29.2#
125	65.1	8.0	12.0#





#39

Benzo(a,h,i)perylene

Concen: 0.054 ng

RT: 27.28 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE100135.D

Acq: 21 Jun 2019 14:28

Instrument :

BNA_E

ClientSampleId :

PST-084-B044-061319

Tot Ion:	276	Resp:	1479
Ion Ratio	Lower	Upper	
276	100		
277	36.8	20.3	30.5#
138	24.2	11.3	16.9#

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