

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099507.D
 Acq On : 2 May 2019 23:31
 Operator : JU/SJ
 Sample : K2589-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B185-042419

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:41 PM

Quant Time: May 03 05:25:27 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	2179	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8052	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6266	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19756	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26129	0.40	ng	0.00
34) Perylene-d12	23.87	264	30012	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1354	0.22	ng	0.00
5) Phenol-d6	6.96	99	1919	0.24	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1550	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	2971	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	933	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	4534	0.19	ng	-0.01
25) Fluoranthene-d10	19.22	212	51679	0.19	ng	0.00
29) Terphenyl-d14	19.82	244	10355	0.22	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	621	0.020	ng	# 87
23) Phenanthrene	17.23	178	5477	0.107	ng	97
26) Fluoranthene	19.25	202	14269	0.187	ng	99
28) Pyrene	19.62	202	14770	0.217	ng	97
30) Benzo(a)anthracene	21.35	228	8114	0.097	ng	# 91
31) Chrysene	21.40	228	8661	0.106	ng	95
33) Indeno(1,2,3-cd)pyrene	26.51	276	5700	0.059	ng	100
35) Benzo(b)fluoranthene	23.10	252	11884	0.137	ng	# 78
36) Benzo(k)fluoranthene	23.14	252	3798m	0.046	ng	
37) Benzo(a)pyrene	23.75	252	8123	0.099	ng	# 80
39) Benzo(g,h,i)perylene	27.34	276	5726	0.068	ng	# 89

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

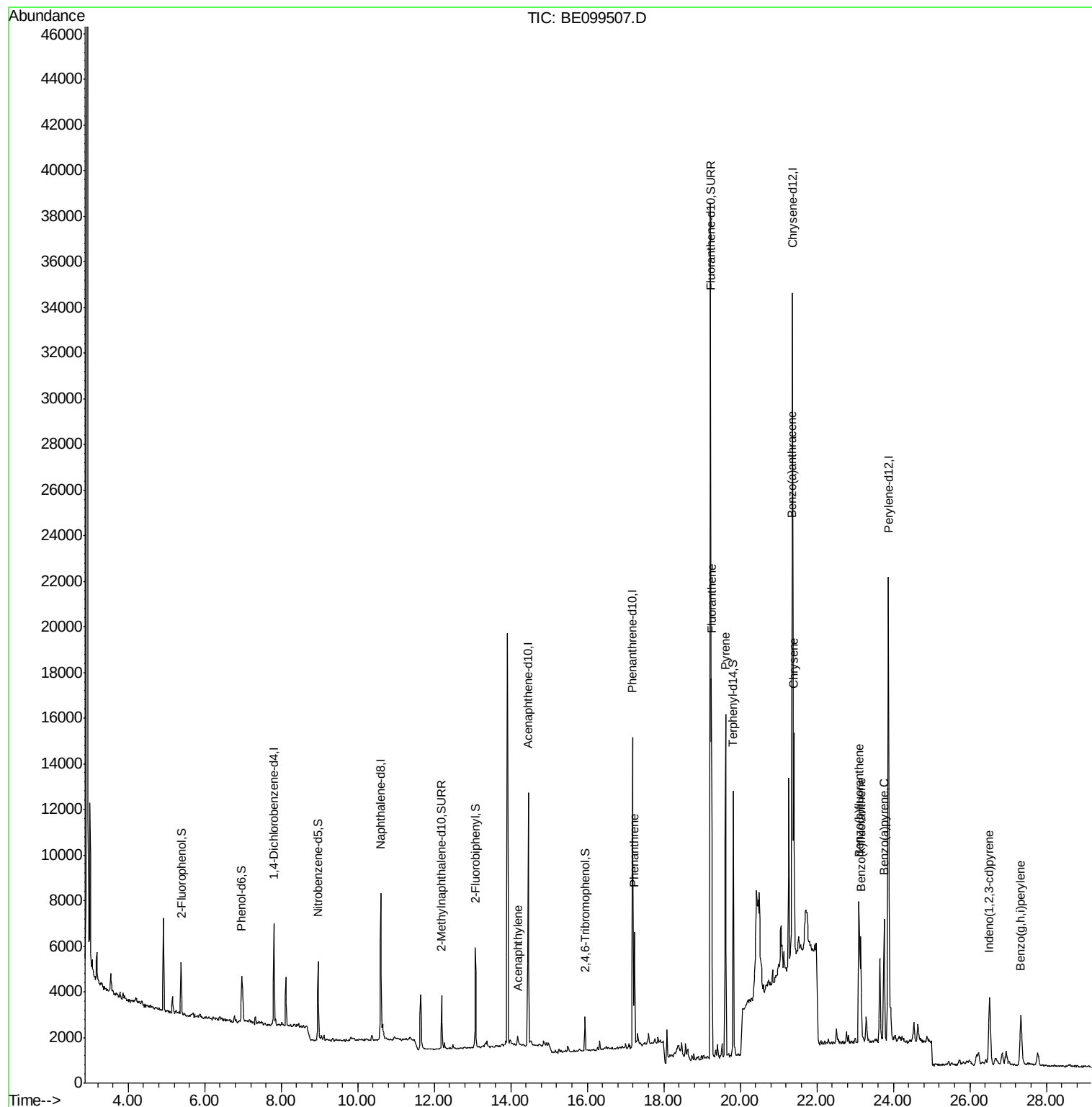
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099507.D
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ALS Vial : 17 Sample Multiplier: 1

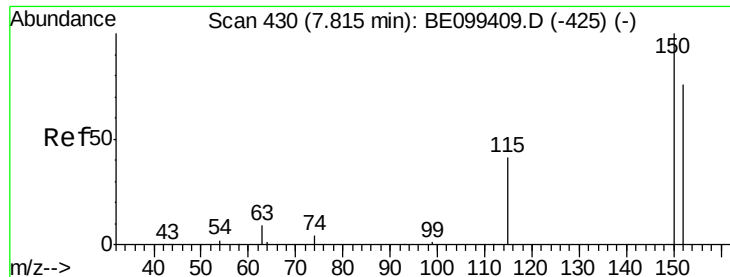
Instrument :
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PST-001-B185-042419

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

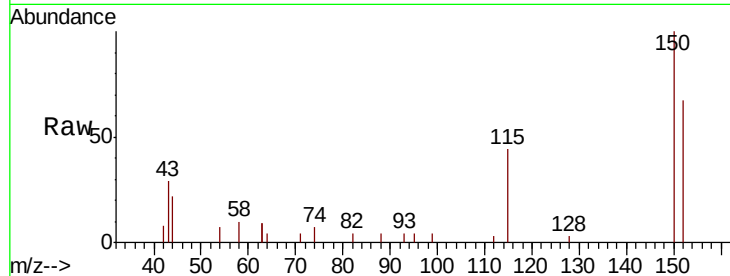




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

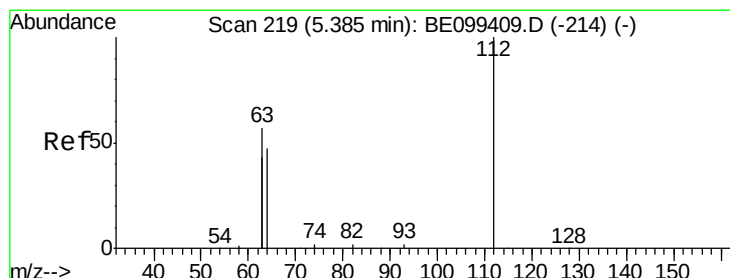
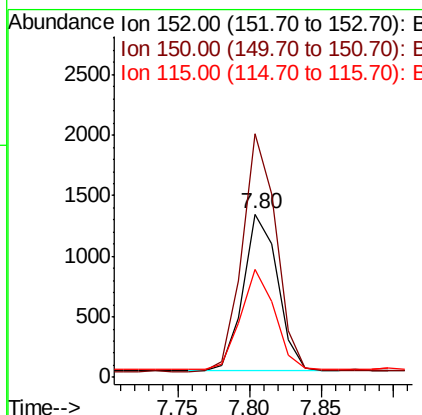
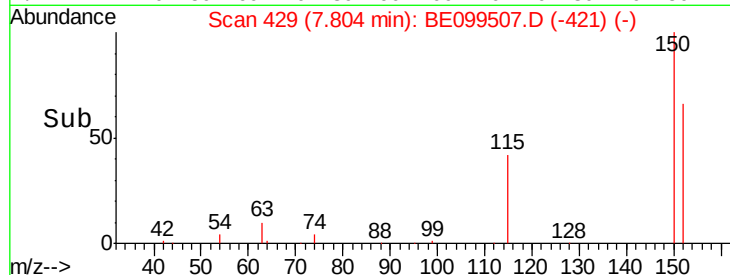
Instrument :
BNA_E
ClientSampleId :
PST-001-B185-042419



Tgt Ion:152 Resp: 2179
Ion Ratio Lower Upper
152 100
150 149.0 104.8 157.2
115 66.2 46.6 69.8

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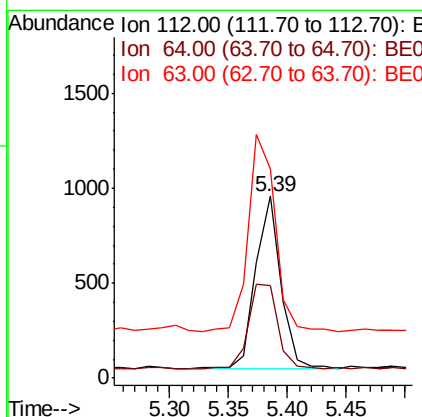
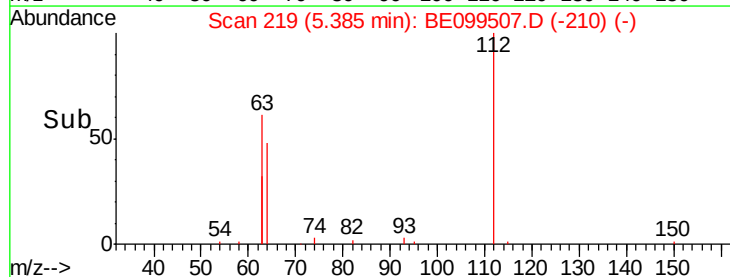
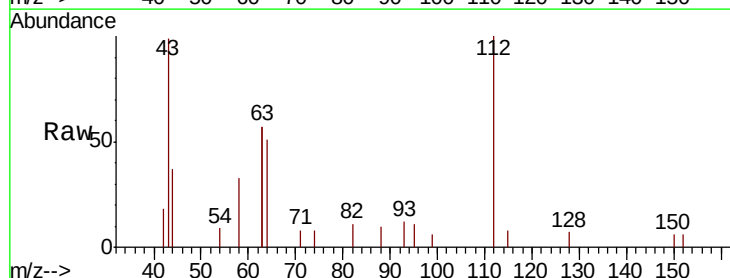
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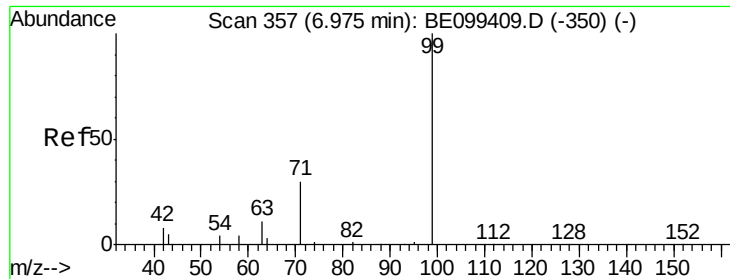


#4

2-Fluorophenol
Concen: 0.225 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Tgt Ion:112 Resp: 1354
Ion Ratio Lower Upper
112 100
64 57.3 47.4 71.0
63 124.2 104.3 156.5





#5

Phenol-d6

Concen: 0.239 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099507.D

Acq: 2 May 2019 23:31

Instrument :

BNA_E

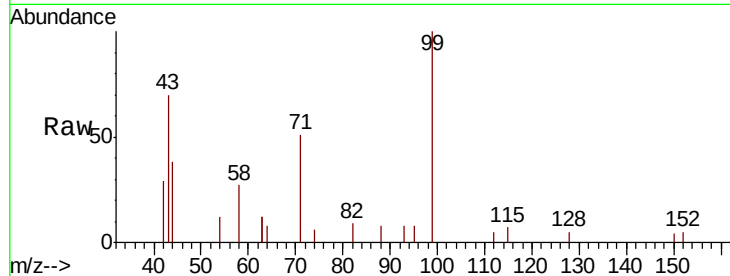
ClientSampleId :

PST-001-B185-042419

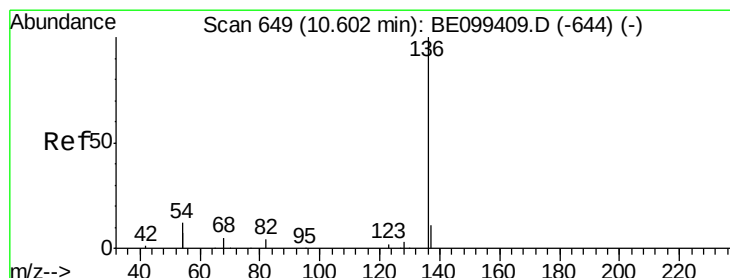
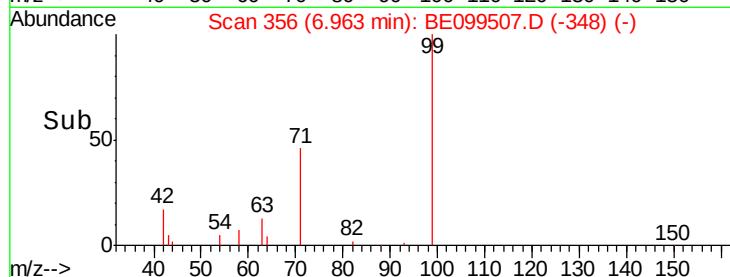
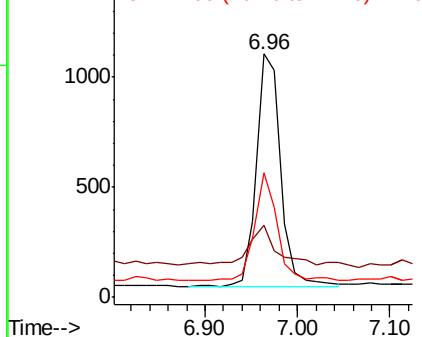
Tgt Ion:	99	Resp:	1919
Ion	Ratio	Lower	Upper
99	100		
42	24.9	14.9	22.3#
71	43.5	33.0	49.6

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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

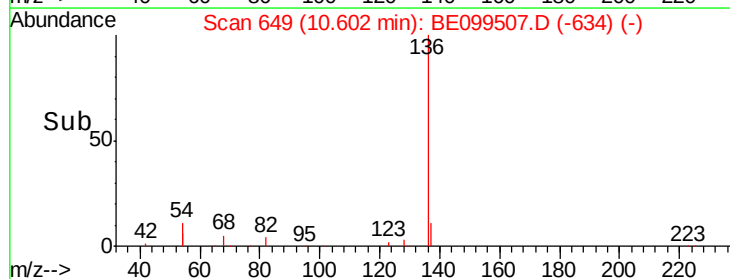
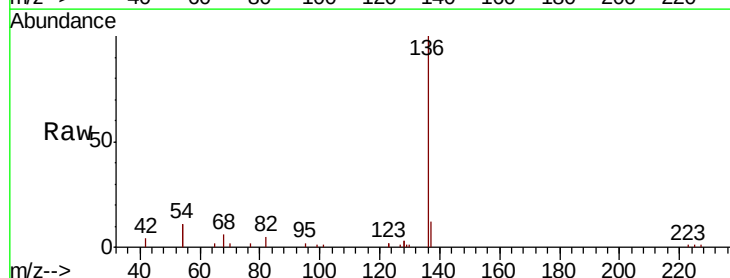
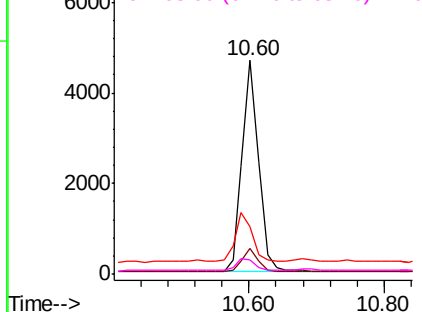
Delta R.T. -0.00 min

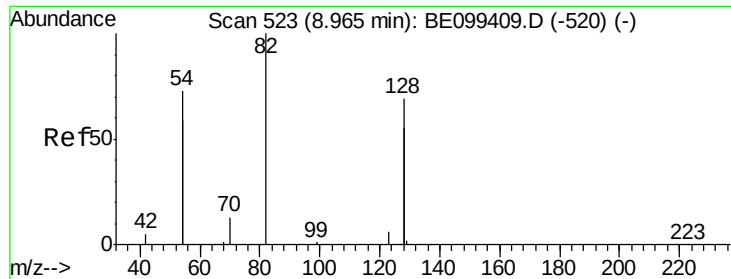
Lab File: BE099507.D

Acq: 2 May 2019 23:31

Tgt Ion:	136	Resp:	8052
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	22.3	18.5	27.7
68	6.4	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: 0.205 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099507.D

Acq: 2 May 2019 23:31

Instrument :

BNA_E

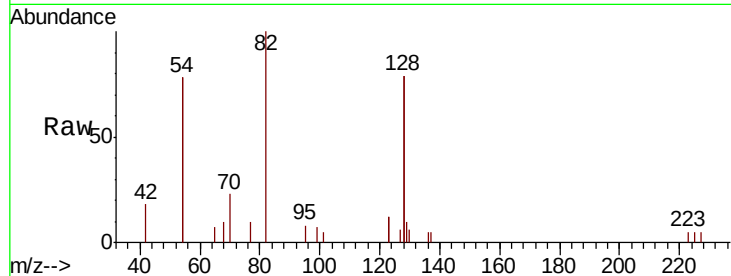
ClientSampleId :

PST-001-B185-042419

Tgt Ion:	82	Resp:	1550
Ion	Ratio	Lower	Upper
82	100		
128	157.3	107.0	160.4
54	156.4	113.1	169.7

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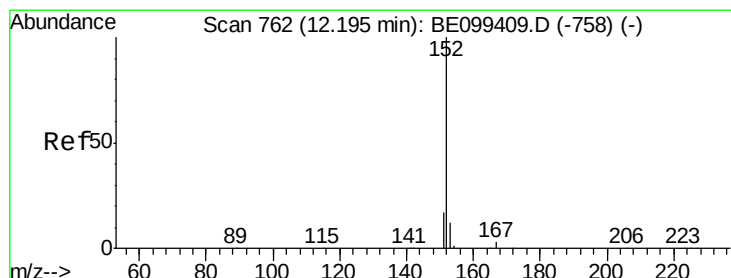
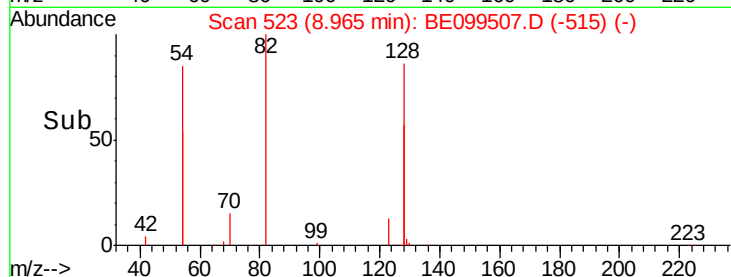
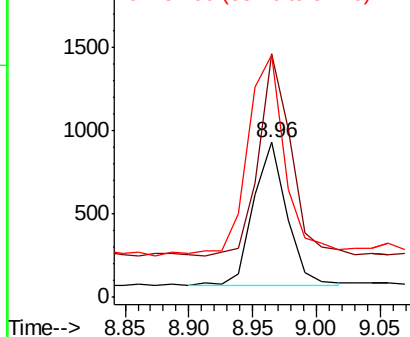


Abundance

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: 0.205 ng

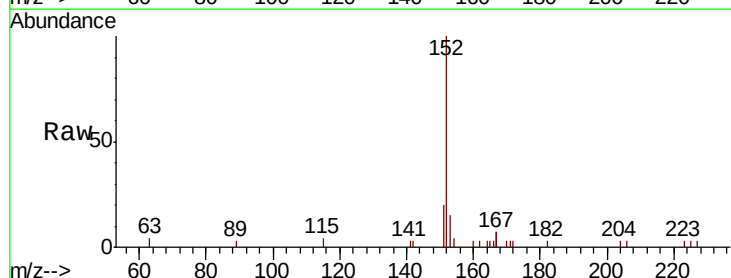
RT: 12.20 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099507.D

Acq: 2 May 2019 23:31

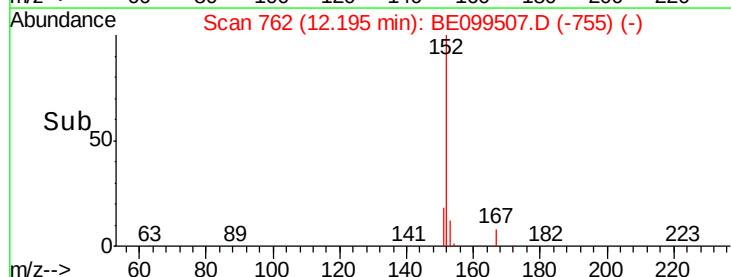
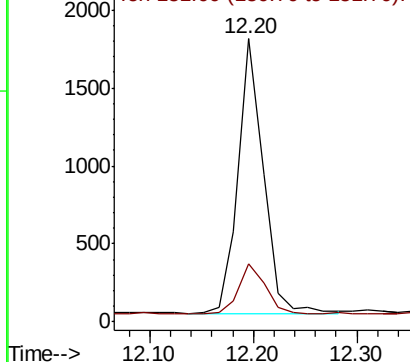
Tgt Ion:	152	Resp:	2971
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3

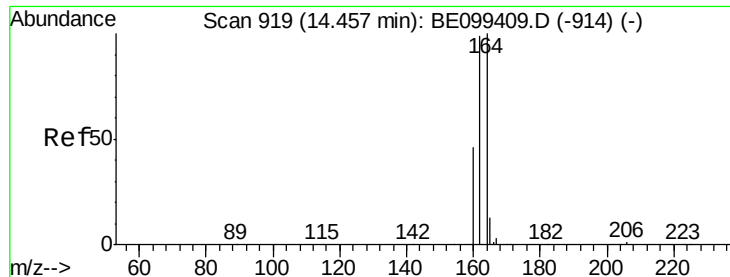


Abundance

Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





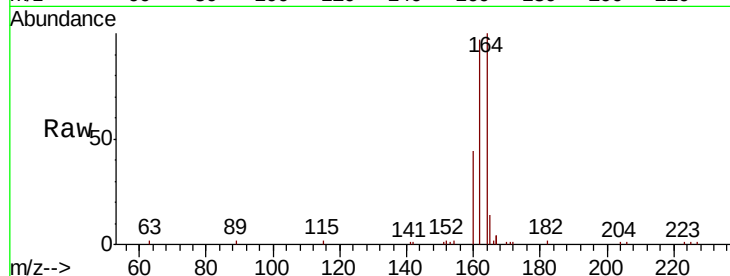
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099507.D
 Acq: 2 May 2019 23:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B185-042419

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.0	79.0	118.4
160	43.6	37.0	55.4

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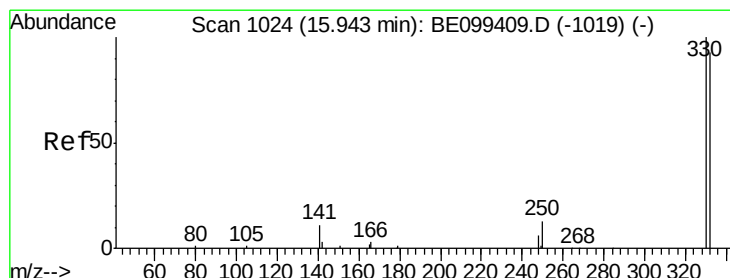
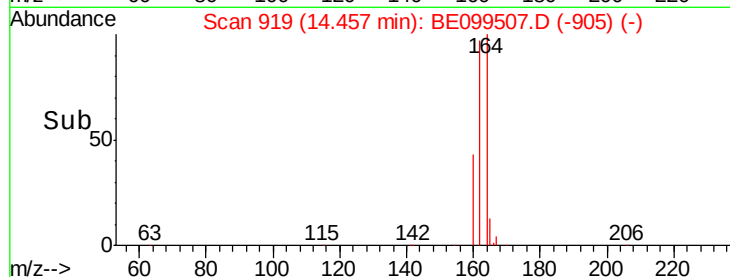
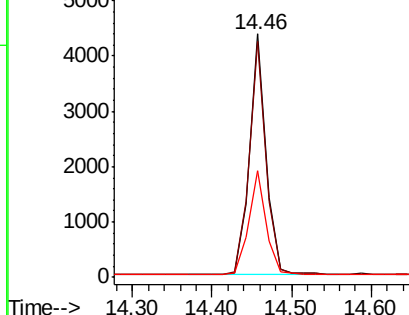


Abundance

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: 0.236 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099507.D
 Acq: 2 May 2019 23:31

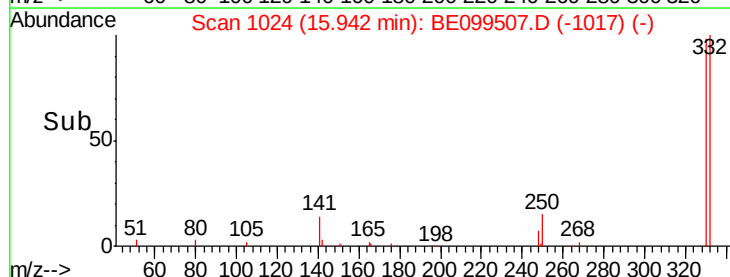
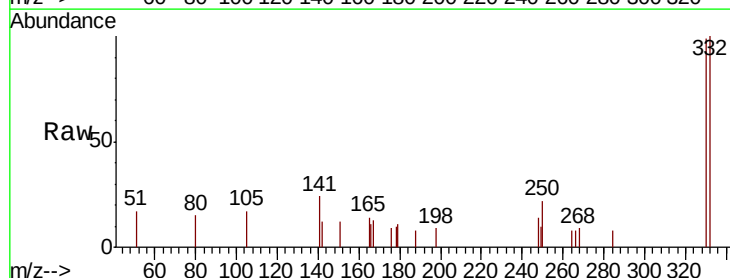
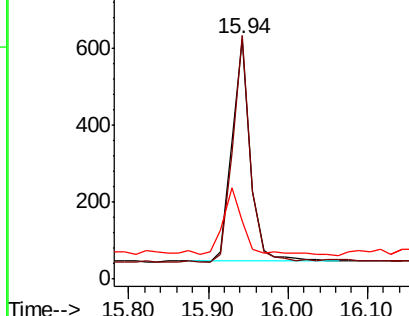
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	71.5	107.3
141	34.9	24.0	36.0

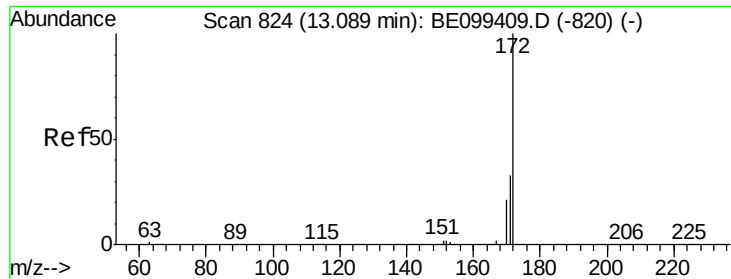
Abundance

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





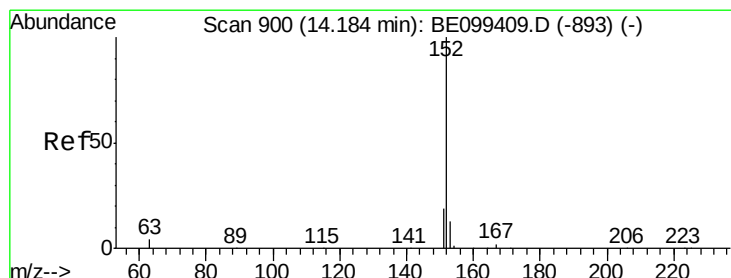
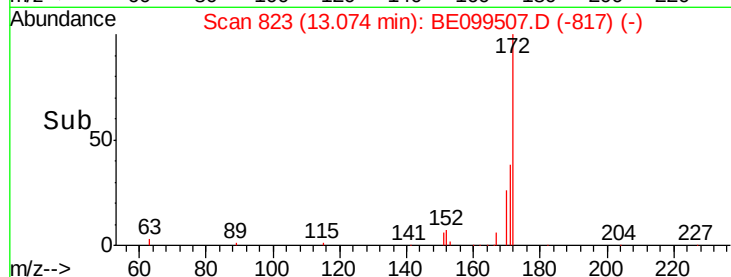
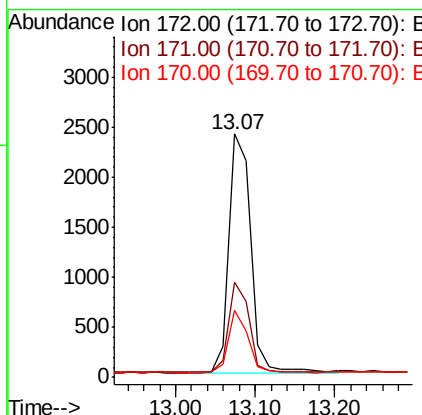
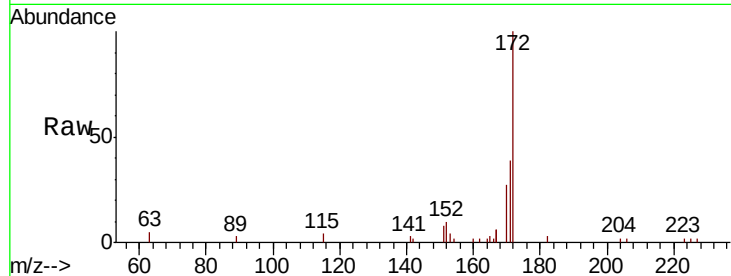
#15
2-Fluorobiphenyl
Concen: 0.190 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B185-042419

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	26.6	39.8
170	27.5	17.0	25.6

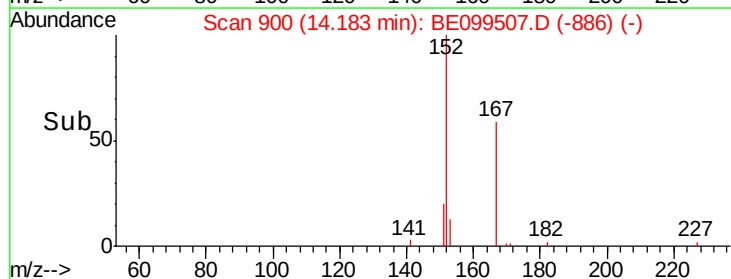
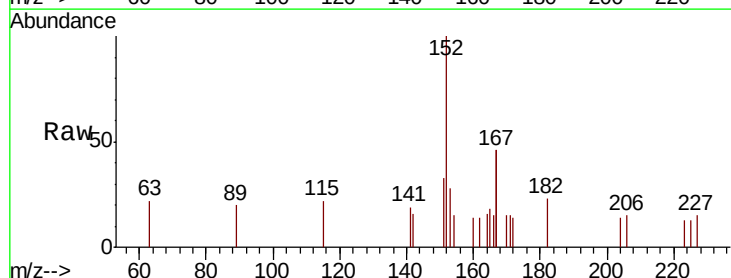
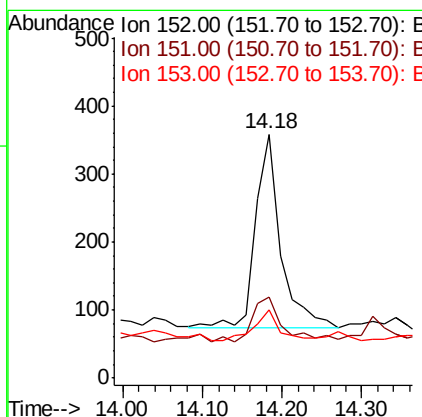
Manual Integrations
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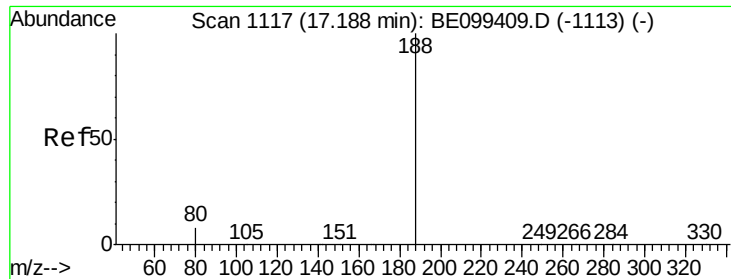
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#16
Acenaphthylene
Concen: 0.020 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.6	15.4	23.2
153	15.8	9.8	14.6





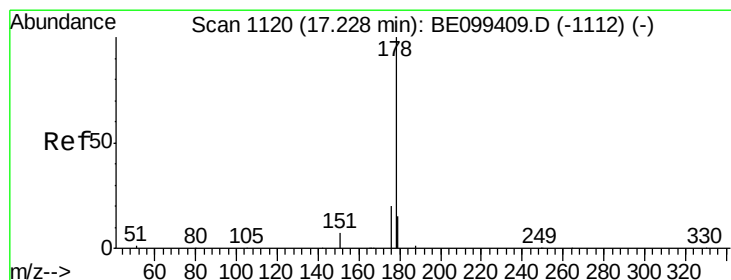
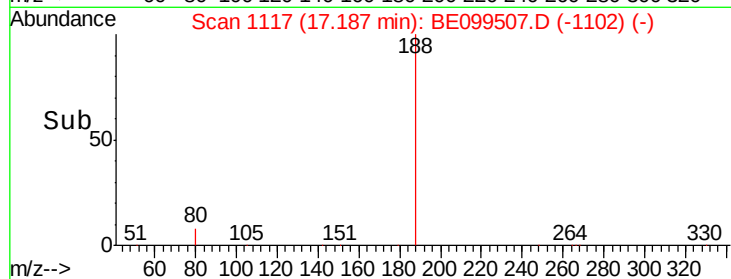
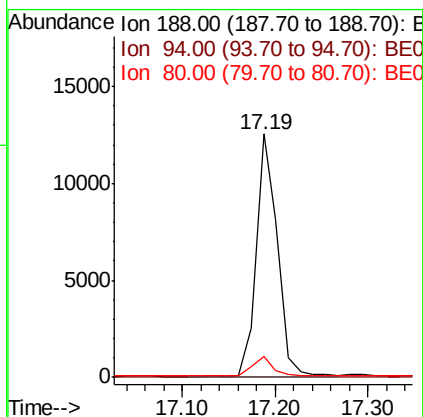
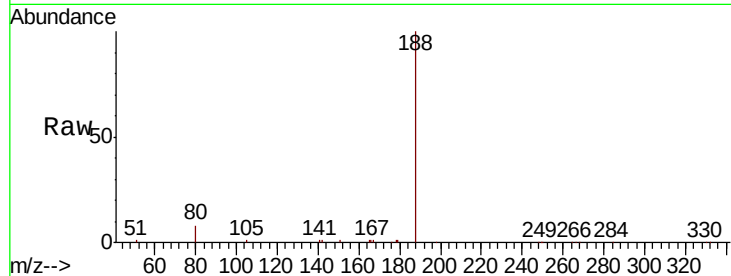
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B185-042419

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	19756		
94	0.0	0.0	0.0	0.0
80	8.5	6.7	10.1	

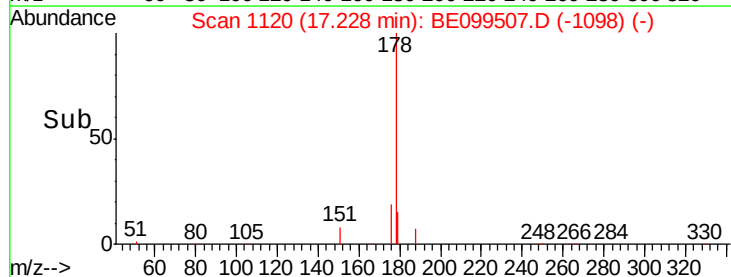
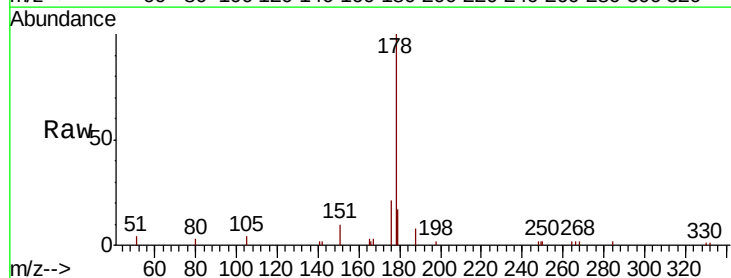
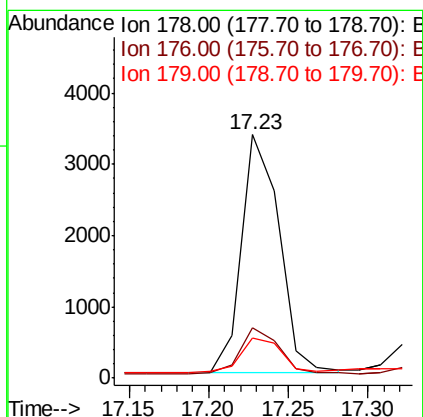
Manual Integrations
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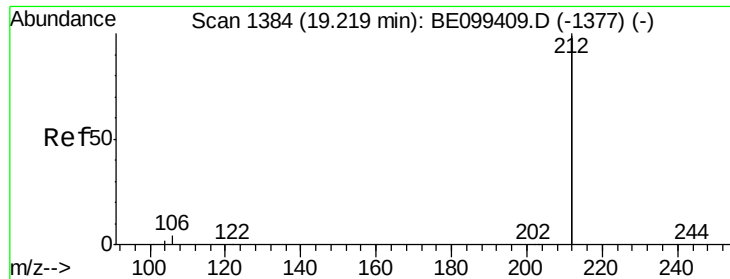
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#23
Phenanthrene
Concen: 0.107 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5477		
176	20.7	15.6	23.4	
179	16.3	12.0	18.0	





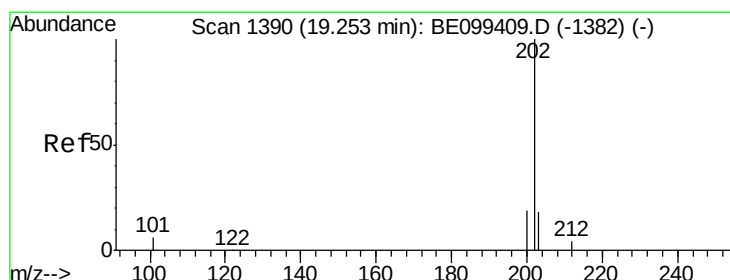
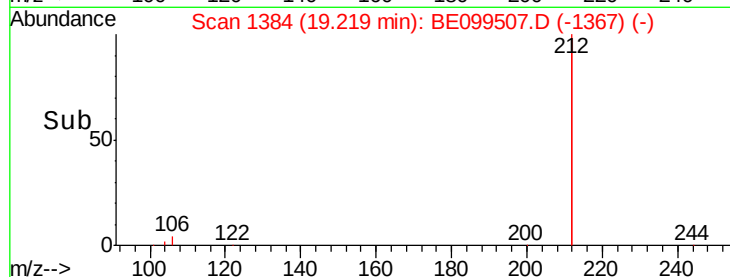
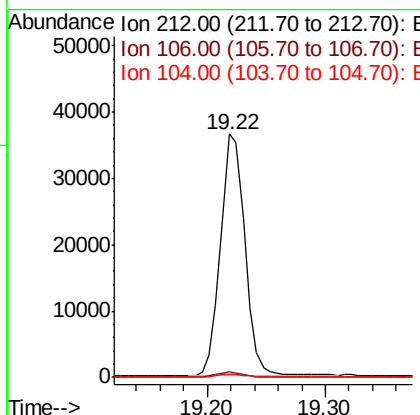
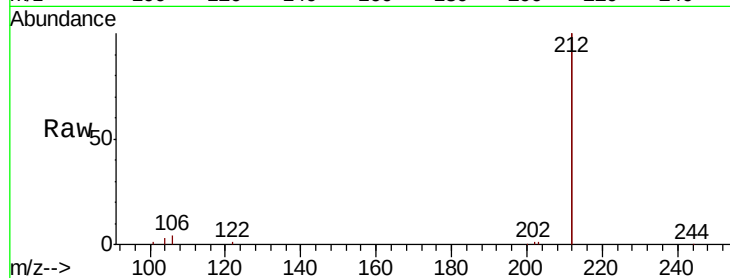
#25
 Fluoranthene-d10
 Concen: 0.194 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE099507.D
 Acq: 2 May 2019 23:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B185-042419

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	51679		
106	1.8		1.5	2.3
104	1.1		0.9	1.3

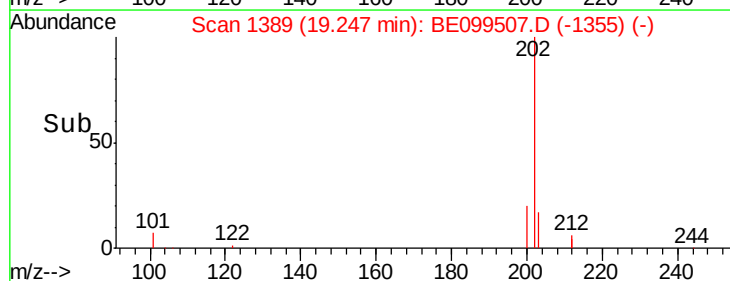
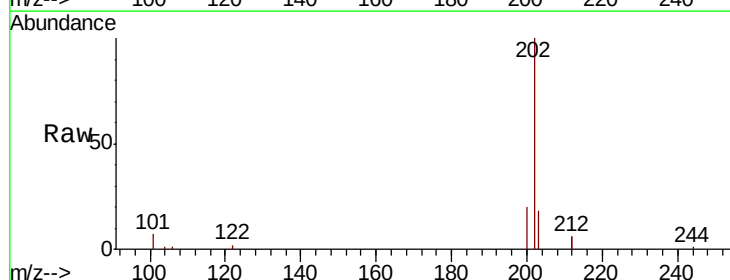
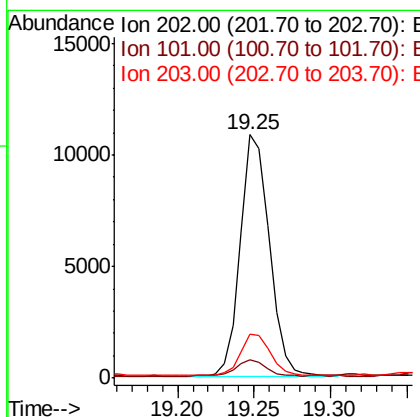
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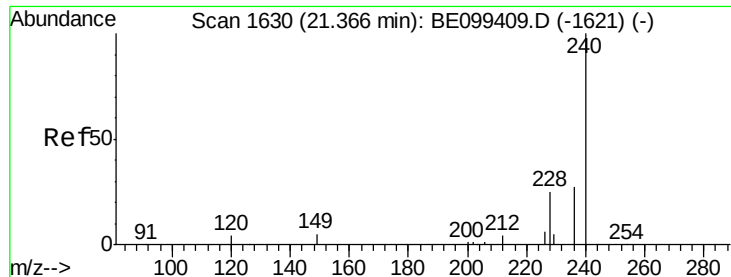
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#26
 Fluoranthene
 Concen: 0.187 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099507.D
 Acq: 2 May 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	14269		
101	7.0		5.4	8.0
203	17.8		13.9	20.9





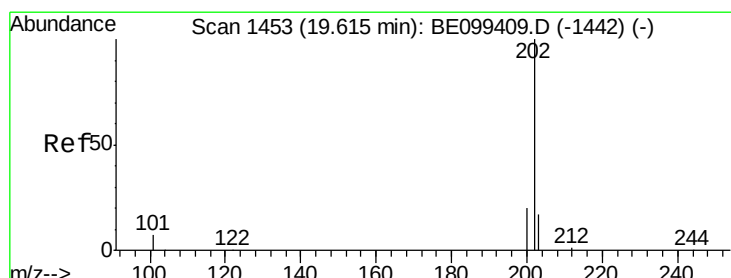
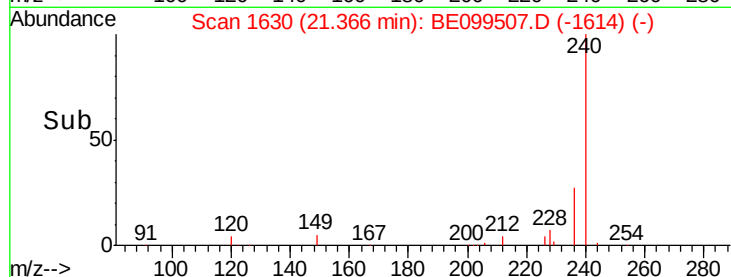
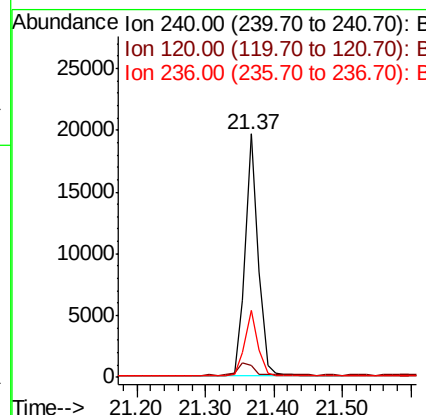
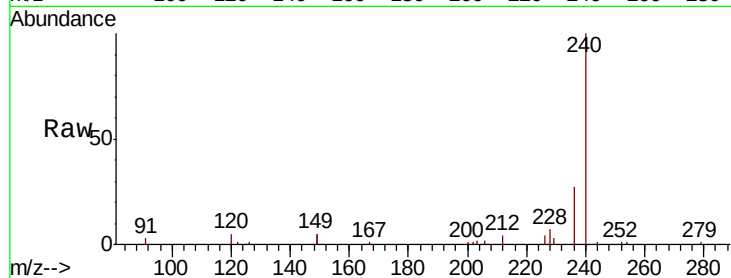
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B185-042419

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.0	6.0
236	27.4	22.0	33.0

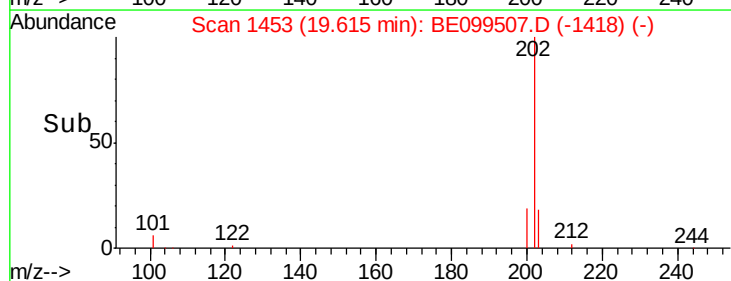
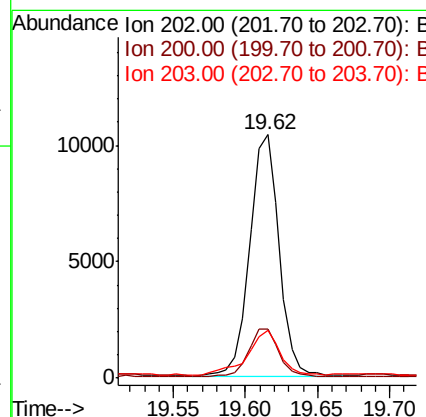
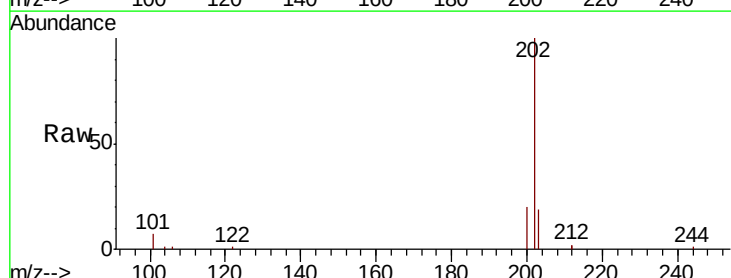
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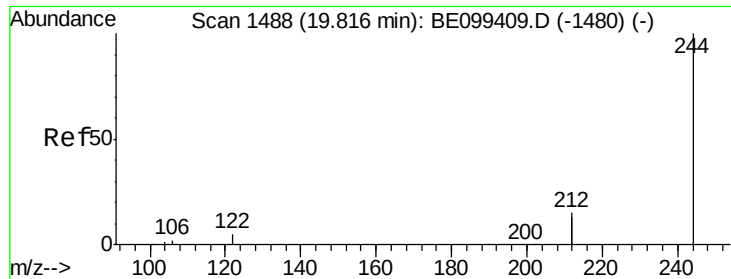
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#28
Pyrene
Concen: 0.217 ng
RT: 19.62 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	19.7	13.9	20.9





#29

Terphenyl-d14

Concen: 0.216 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099507.D

Acq: 2 May 2019 23:31

Instrument :

BNA_E

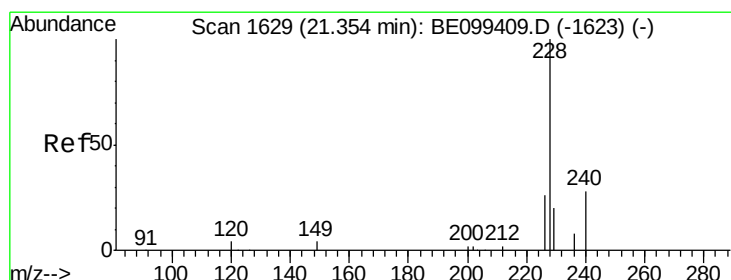
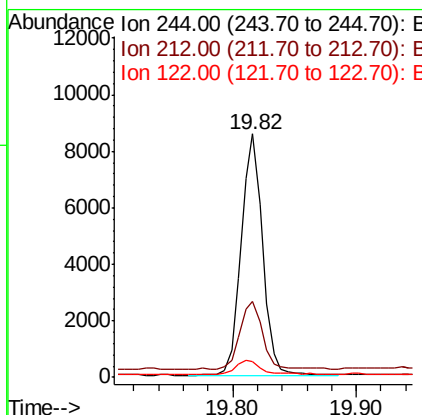
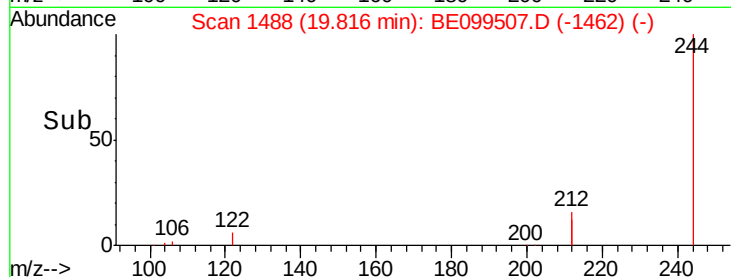
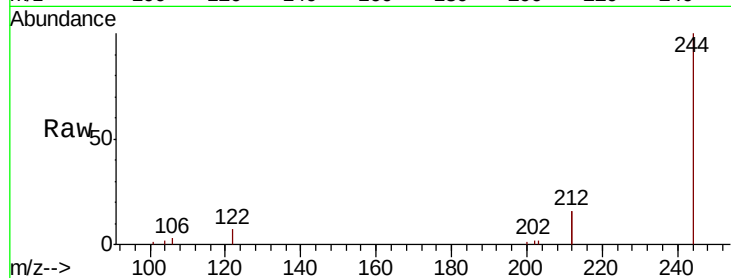
ClientSampleId :

PST-001-B185-042419

Tgt Ion:	244	Resp:	10355
Ion Ratio	Lower	Upper	
244	100		
212	31.2	23.2	34.8
122	6.6	4.2	6.4

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#30

Benzo(a)anthracene

Concen: 0.097 ng

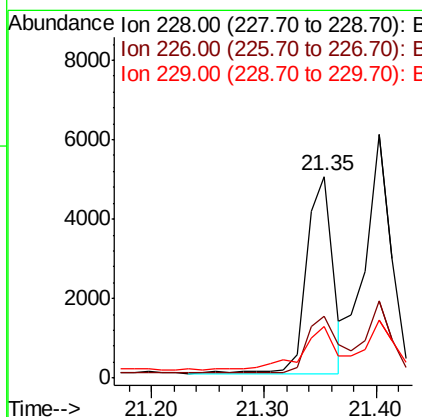
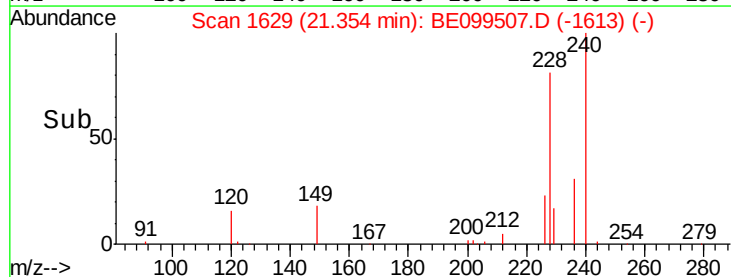
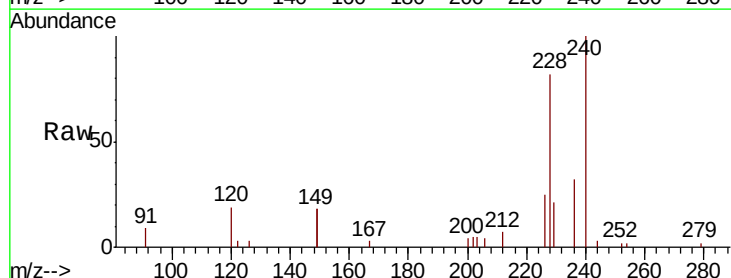
RT: 21.35 min Scan# 1629

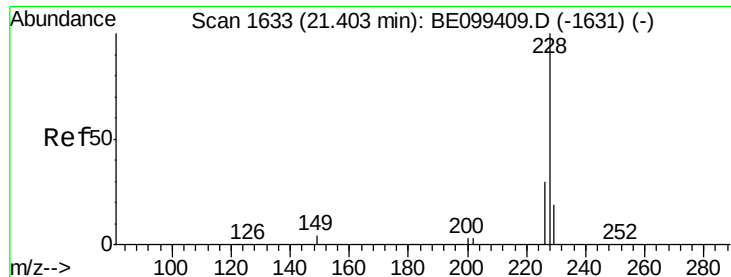
Delta R.T. -0.00 min

Lab File: BE099507.D

Acq: 2 May 2019 23:31

Tgt Ion:	228	Resp:	8114
Ion Ratio	Lower	Upper	
228	100		
226	30.6	21.0	31.6
229	25.4	16.6	25.0





#31

Chrysene

Concen: 0.106 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099507.D

Acq: 2 May 2019 23:31

Instrument :

BNA_E

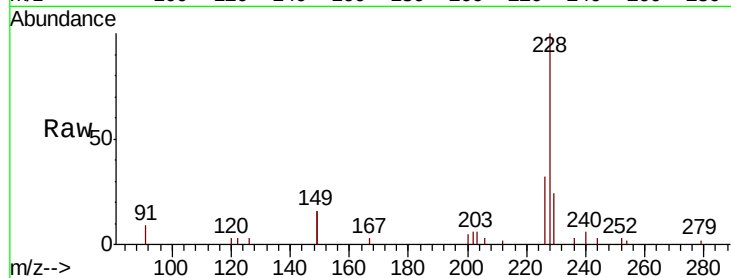
ClientSampleId :

PST-001-B185-042419

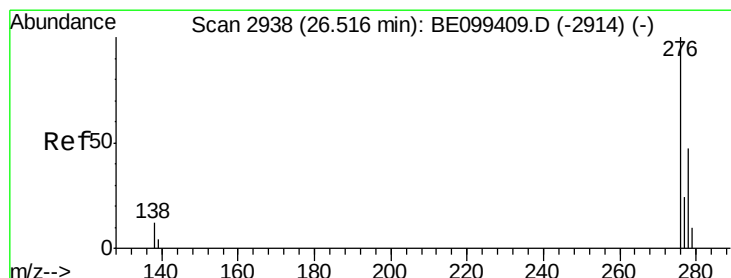
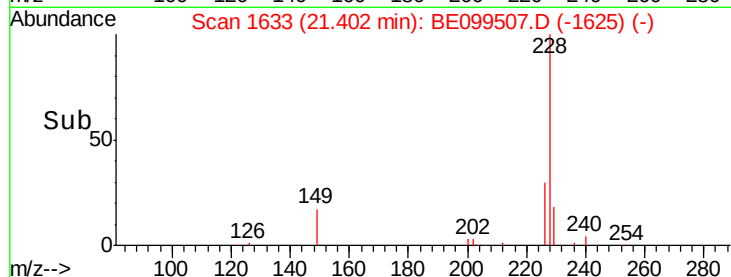
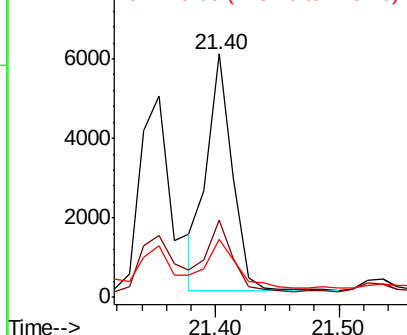
Tgt Ion:	228	Resp:	8661
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.0	36.0
229	23.6	15.8	23.8

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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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.059 ng

RT: 26.51 min Scan# 2937

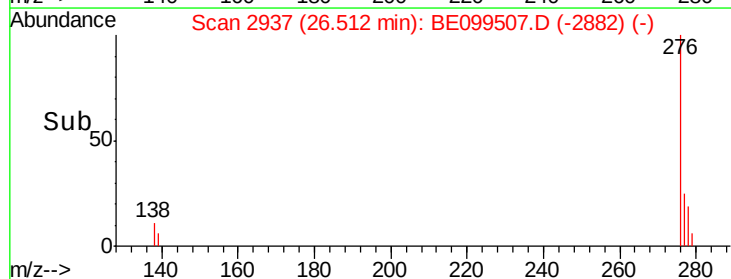
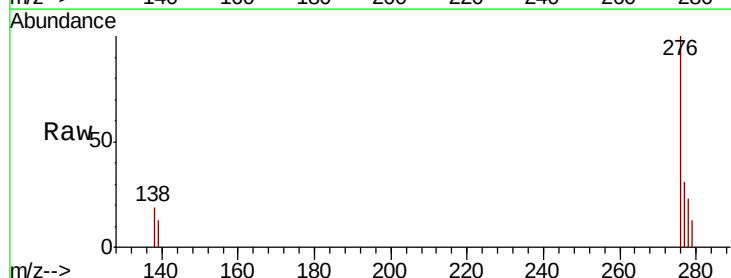
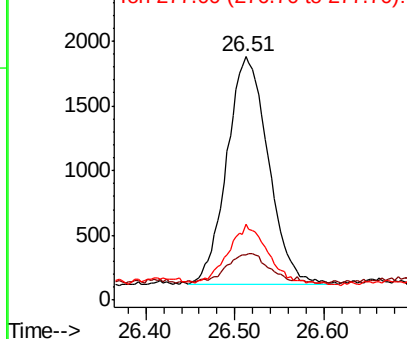
Delta R.T. -0.00 min

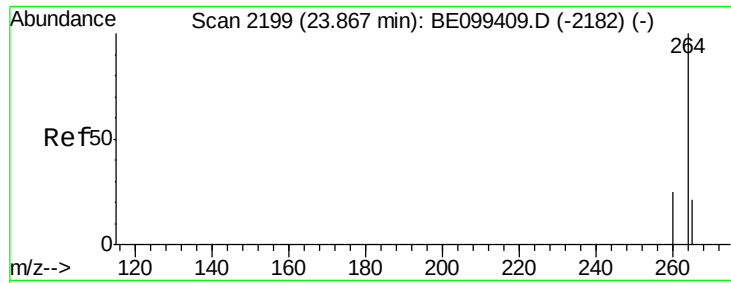
Lab File: BE099507.D

Acq: 2 May 2019 23:31

Tgt Ion:	276	Resp:	5700
Ion Ratio	Lower	Upper	
276	100		
138	12.8	10.2	15.2
277	24.2	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





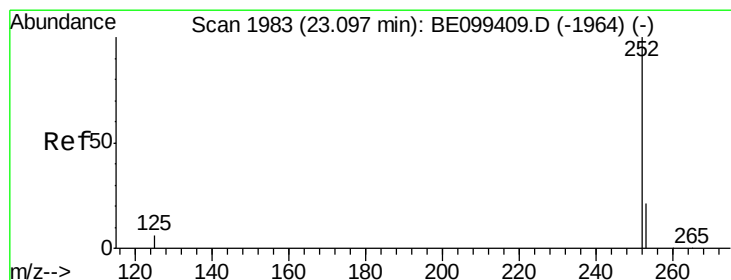
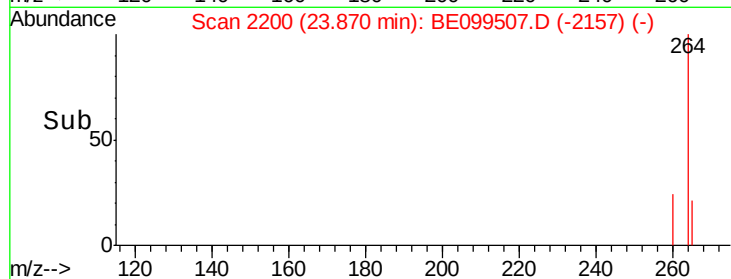
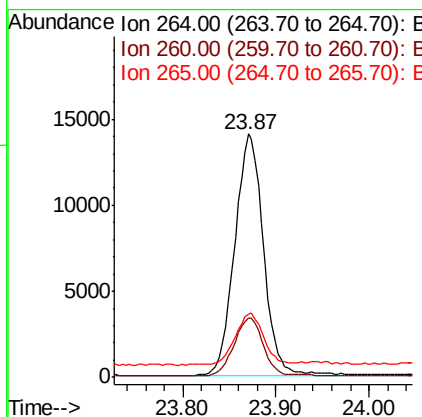
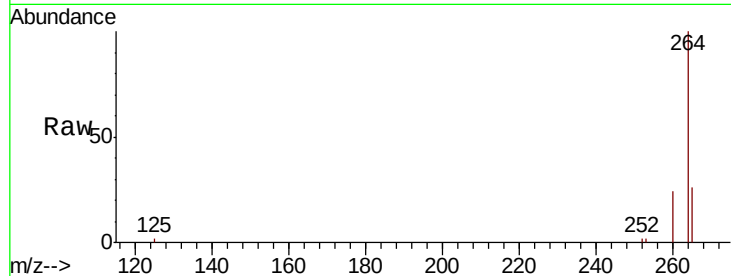
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: BE099507.D
 Acq: 2 May 2019 23:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B185-042419

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	30012		
260	24.3		20.2	30.2
265	26.0		21.3	31.9

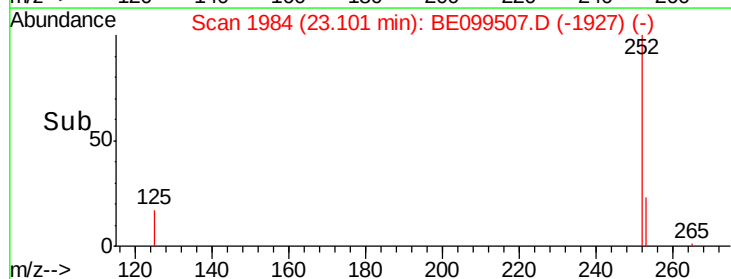
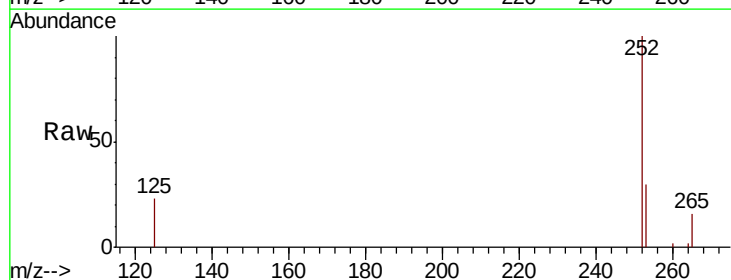
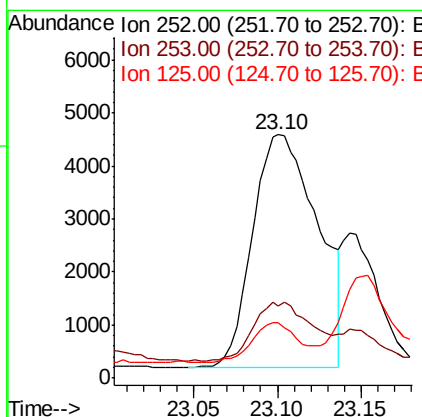
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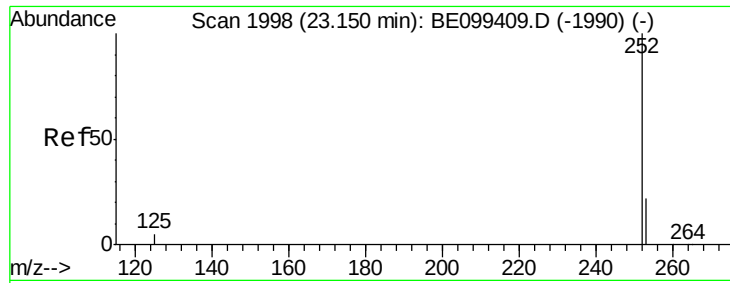
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#35
Benzo(b)fluoranthene
 Concen: 0.137 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: BE099507.D
 Acq: 2 May 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	11884		
253	29.7		18.1	27.1#
125	22.6		5.6	8.4#





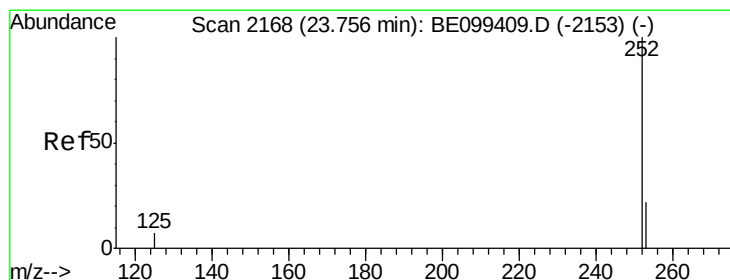
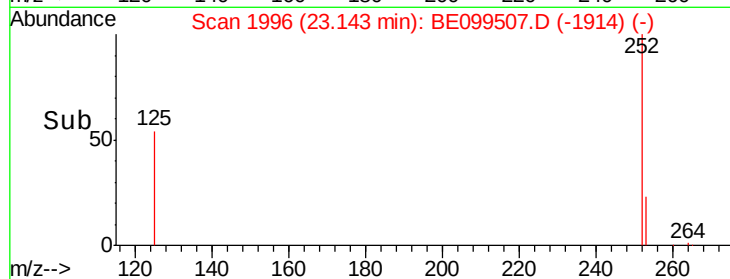
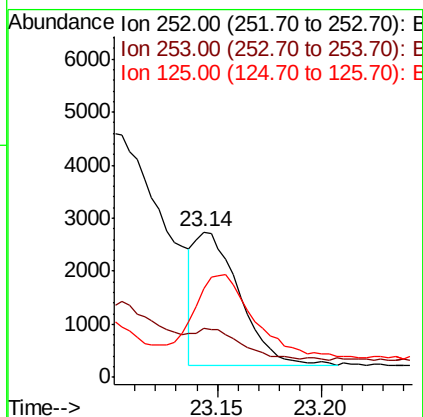
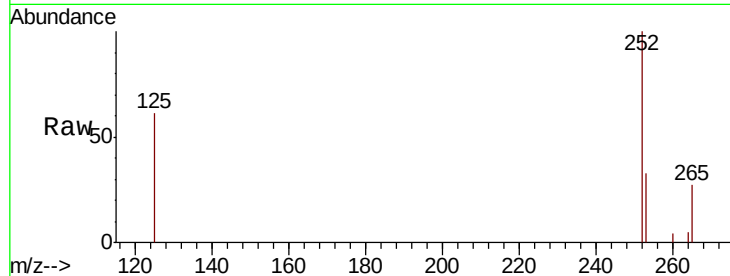
#36
Benzo(k)fluoranthene
Concen: 0.046 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Instrument :
BNA_E
ClientSampleId :
PST-001-B185-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	18.4	27.6#
125	61.3	5.0	7.4#

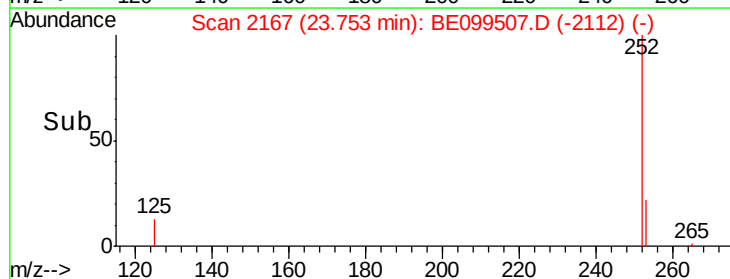
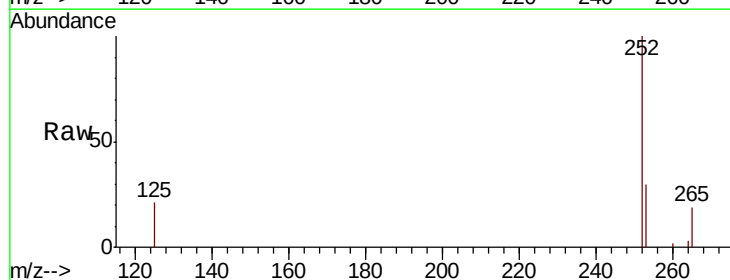
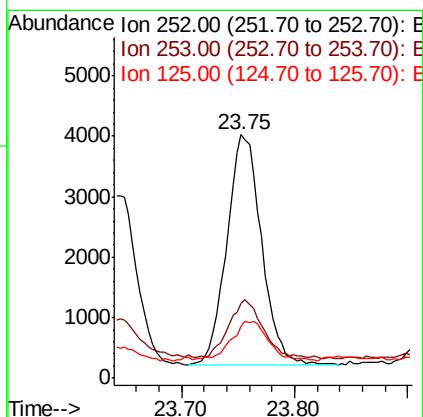
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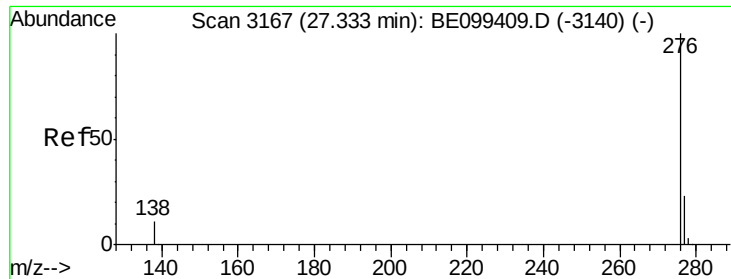
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#37
Benzo(a)pyrene
Concen: 0.099 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099507.D
Acq: 2 May 2019 23:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.9	28.3#
125	21.0	6.7	10.1#





#39

Benzo(g,h,i)perylene

Concen: 0.068 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BE099507.D

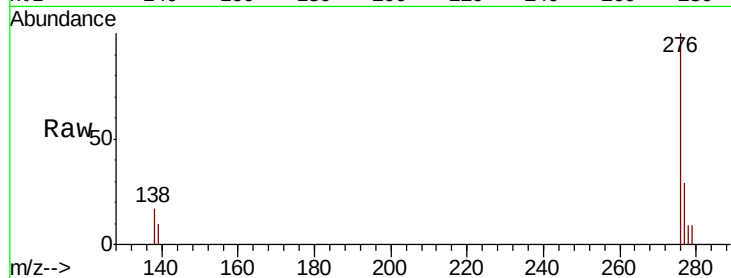
Acq: 2 May 2019 23:31

Instrument :

BNA_E

ClientSampleId :

PST-001-B185-042419



Tgt	Ion:276	Resp:	5726
Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.5	29.3#
138	17.5	9.6	14.4#

Manual Integrations
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