

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099395.D
 Acq On : 27 Apr 2019 1:56
 Operator : JU/SJ
 Sample : K2533-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:32:00 PM

Quant Time: Apr 27 07:15:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3888	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15714	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	10797	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	29063	0.40	ng	0.01
27) Chrysene-d12	21.37	240	32044	0.40	ng	0.00
34) Perylene-d12	23.88	264	36870	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4375	0.46	ng	0.01
5) Phenol-d6	6.98	99	6248	0.46	ng	0.00
8) Nitrobenzene-d5	8.98	82	5712	0.47	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	11035	0.40	ng	0.02
14) 2,4,6-Tribromophenol	15.94	330	2567	0.72	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	16055	0.38	ng	0.00
25) Fluoranthene-d10	19.22	212	131202	0.38	ng	0.00
29) Terphenyl-d14	19.82	244	21801	0.35	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1842	0.038	ng	# 97
23) Phenanthrene	17.24	178	12297	0.160	ng	98
24) Anthracene	17.32	178	2003	0.029	ng	97
26) Fluoranthene	19.25	202	42909	0.417	ng	97
28) Pyrene	19.62	202	42198	0.447	ng	# 96
30) Benzo(a)anthracene	21.35	228	30032	0.319	ng	# 92
31) Chrysene	21.40	228	28557	0.285	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.27	149	22541	0.263	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	13800	0.139	ng	# 87
35) Benzo(b)fluoranthene	23.11	252	36575	0.324	ng	# 81
36) Benzo(k)fluoranthene	23.15	252	14340m	0.127	ng	
37) Benzo(a)pyrene	23.76	252	24236	0.240	ng	# 78
39) Benzo(a,h,i)perylene	27.35	276	12531	0.120	ng	# 77

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

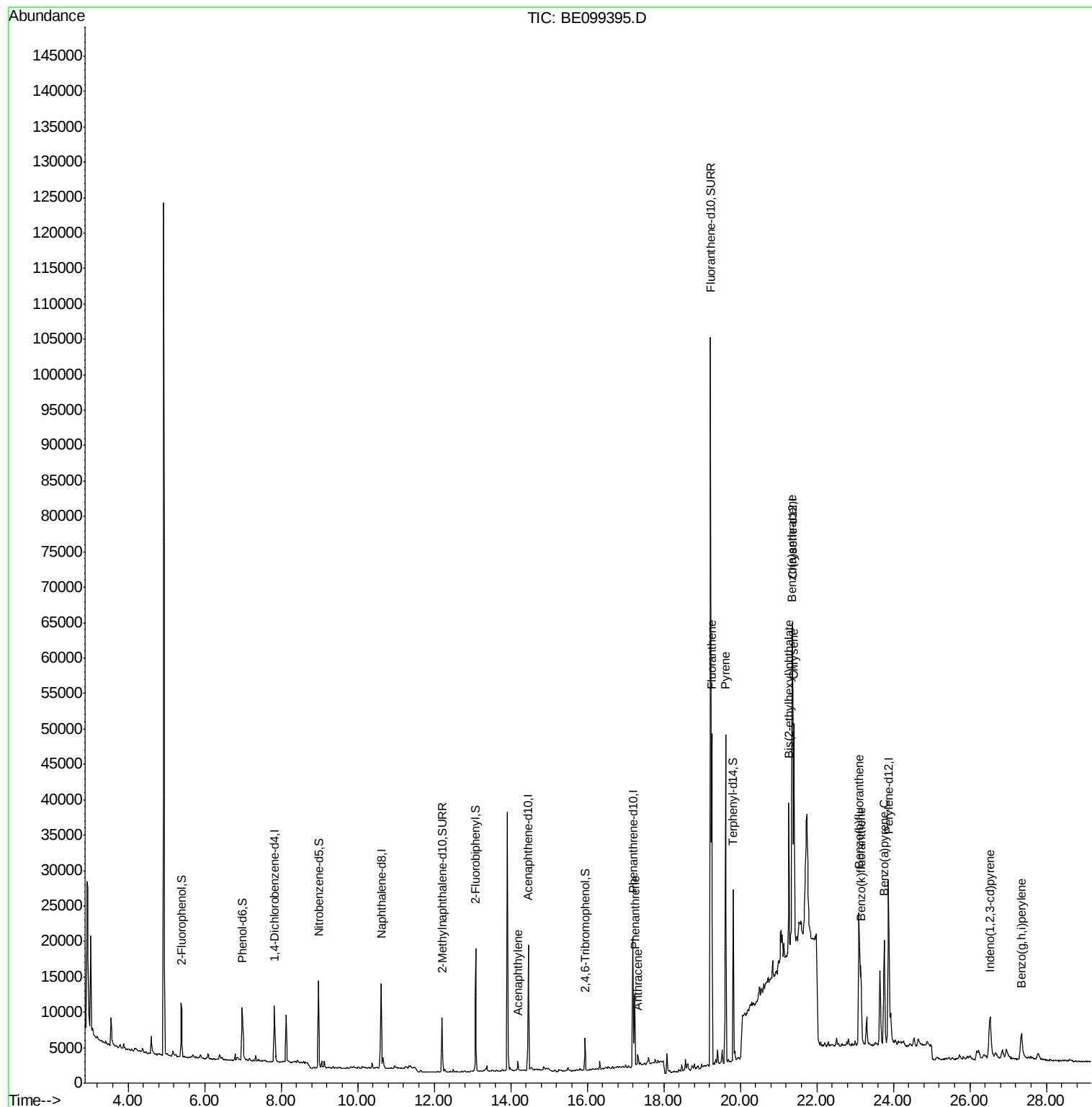
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099395.D
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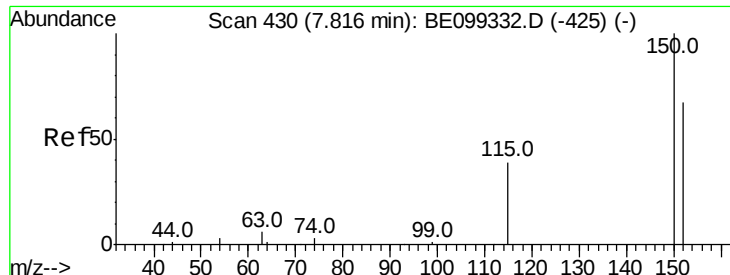
Instrument :
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PST-028-SW005-042219

Manual Integrations
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4/29/2019 1:32:00 PM

Quant Time: Apr 27 07:15:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

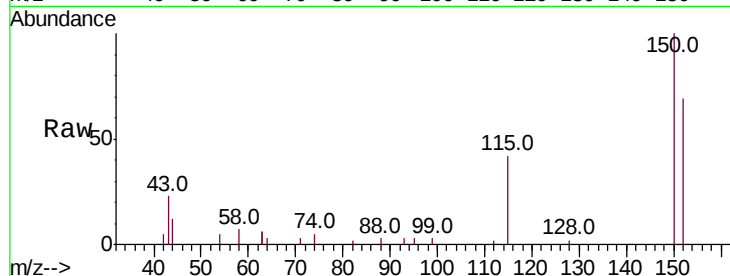
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.4	119.5	179.3
115	60.4	47.5	71.3

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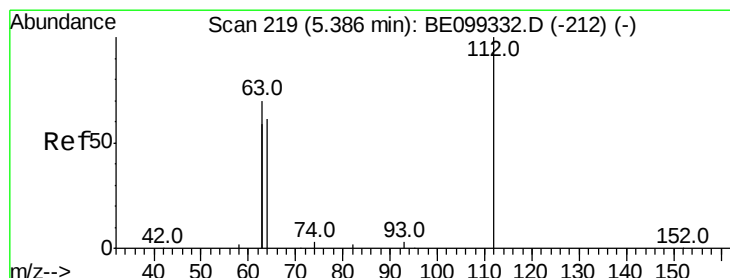
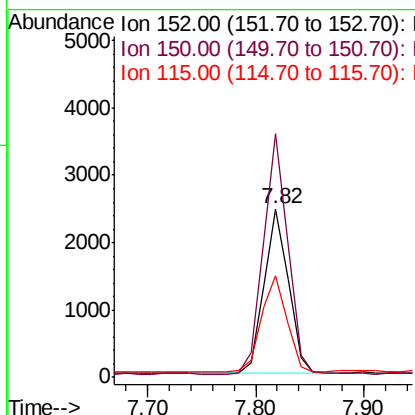
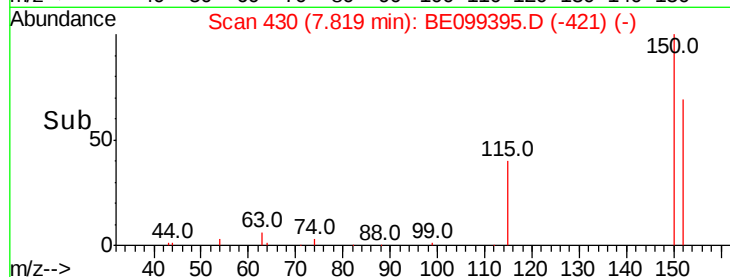


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

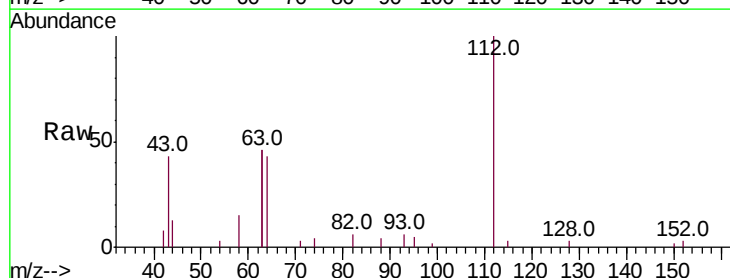
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.460 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.9	67.3
63	126.4	97.4	146.0

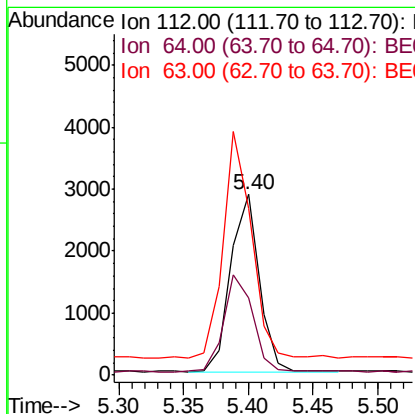
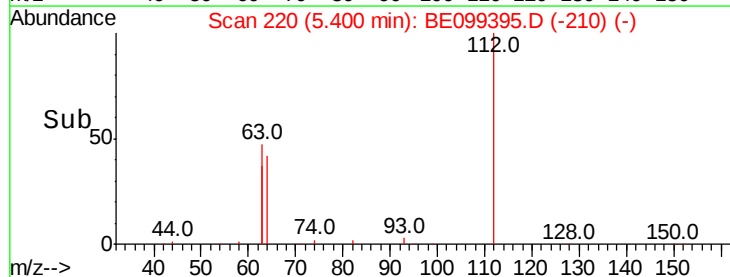


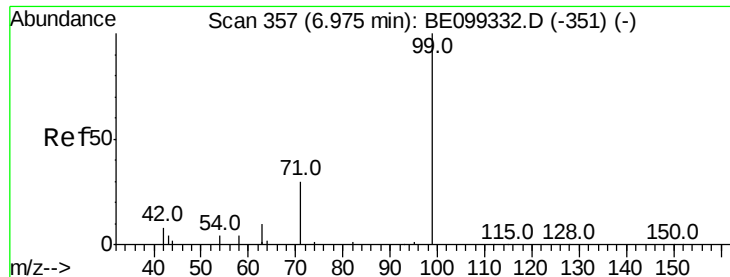
Abundance

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: 0.461 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Instrument :

BNA_E

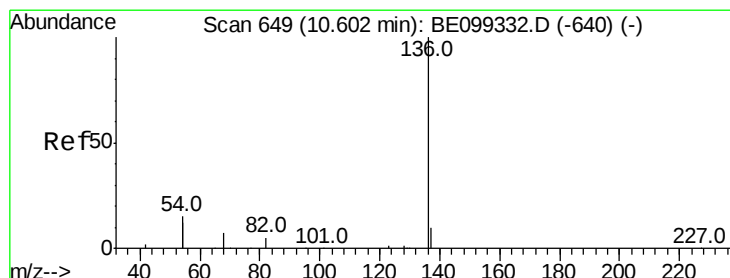
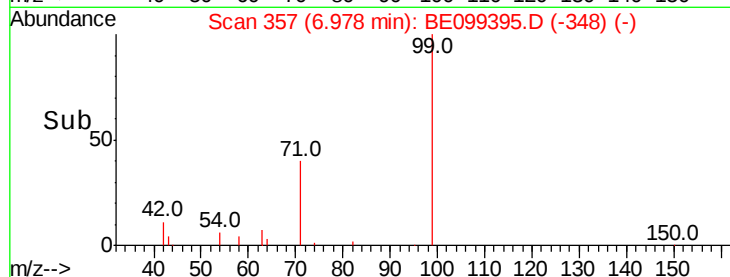
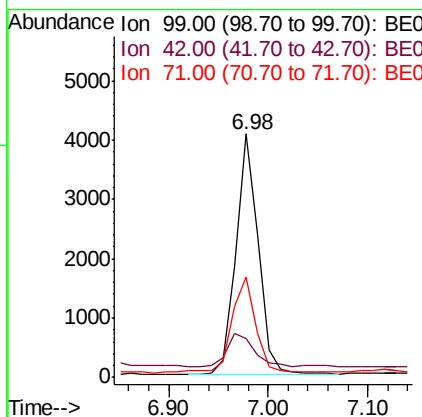
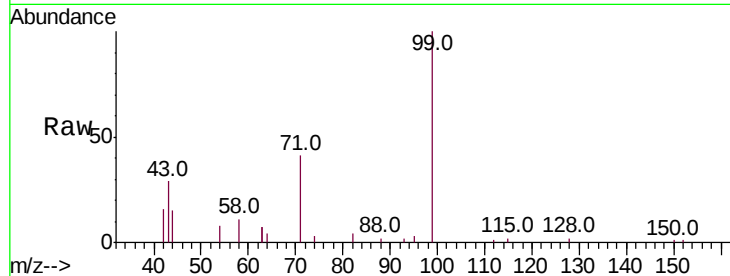
ClientSampleId :

PST-028-SW005-042219

Tot Ion:	99	Resp:	6248
Ion Ratio	Lower	Upper	
99	100		
42	18.9	11.7	17.5#
71	41.5	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

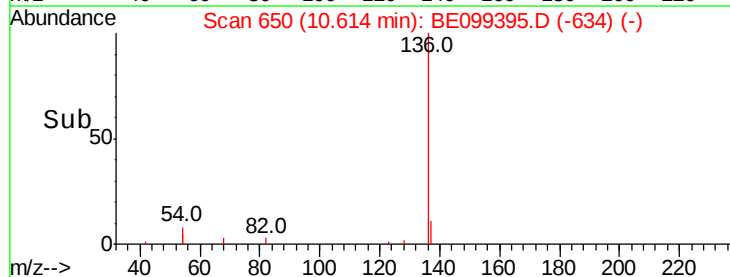
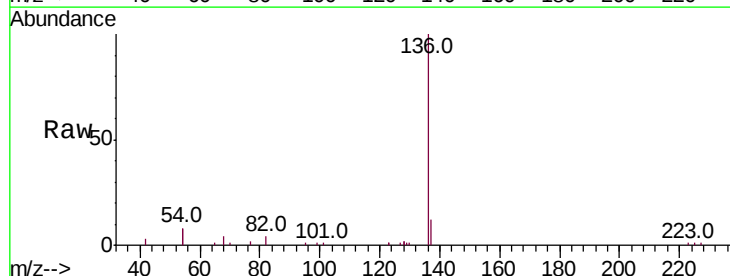
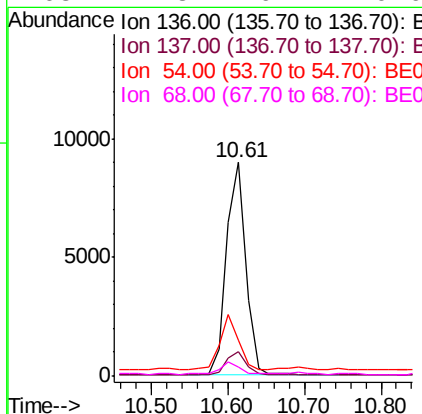
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Tgt Ion:	136	Resp:	15714
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.7	13.1
54	16.9	23.8	35.8#
68	4.3	6.4	9.6#





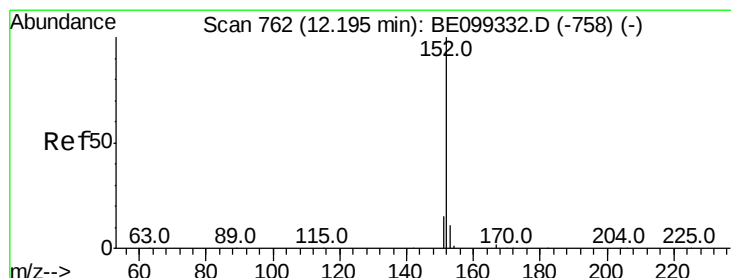
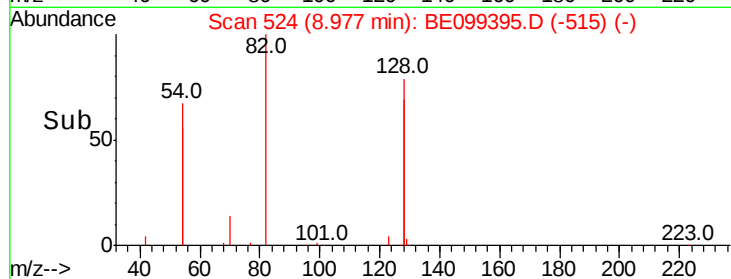
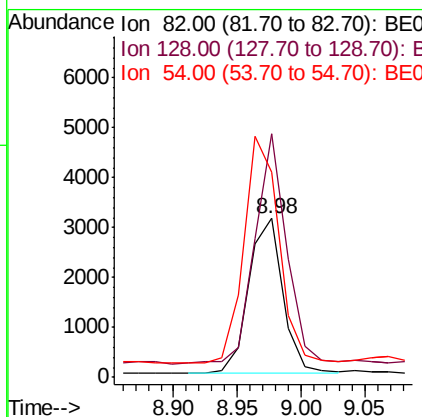
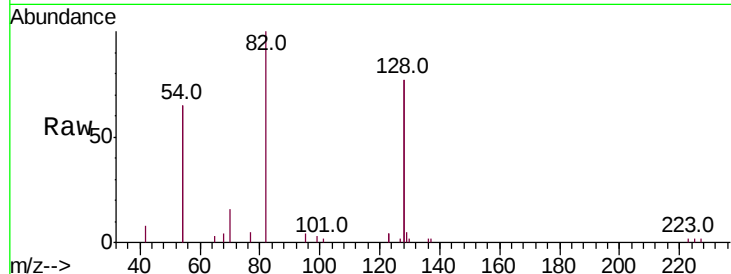
#8
 Nitrobenzene-d5
 Concen: 0.468 ng
 RT: 8.98 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: BE099395.D
 Acq: 27 Apr 2019 1:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
82	100		
128	153.3	91.7	137.5#
54	129.2	122.8	184.2

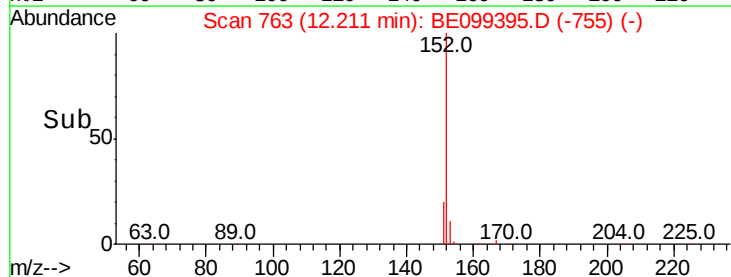
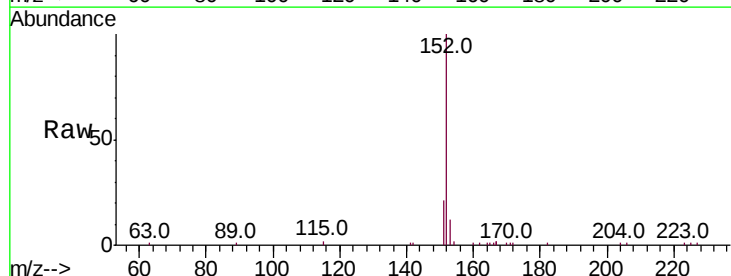
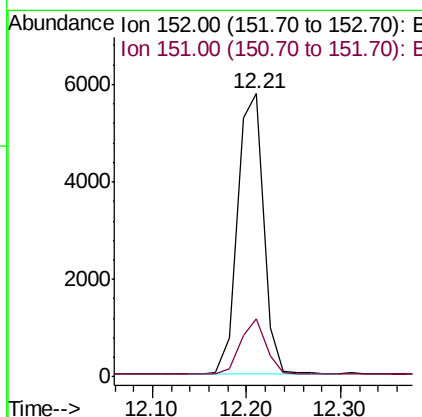
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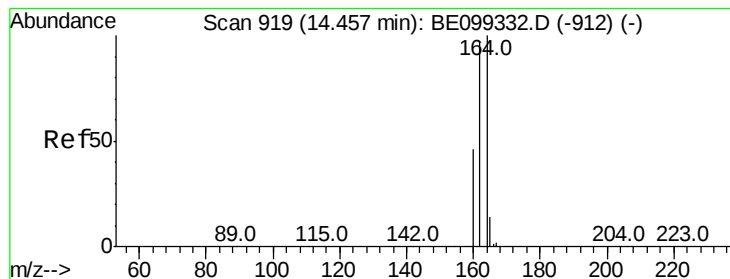
Sohil
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#11
 2-Methylnaphthalene-d10
 Concen: 0.398 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: BE099395.D
 Acq: 27 Apr 2019 1:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	14.9	22.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Instrument :

BNA_E

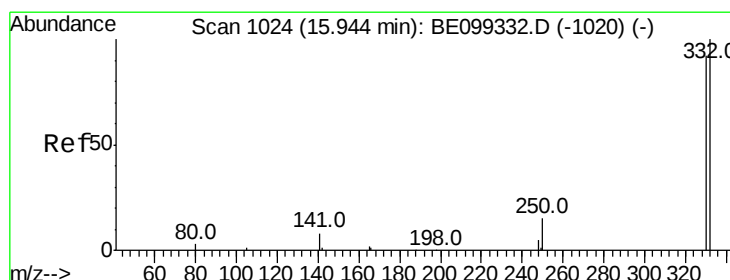
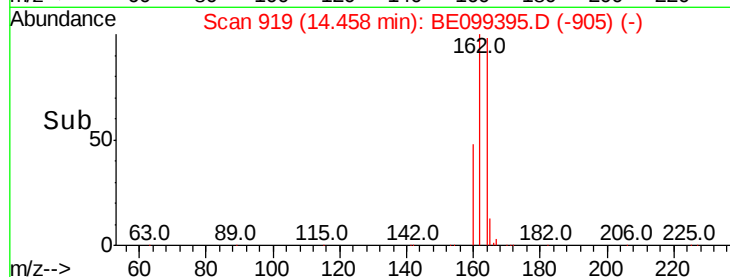
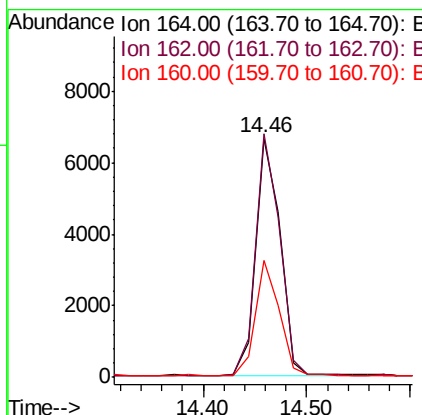
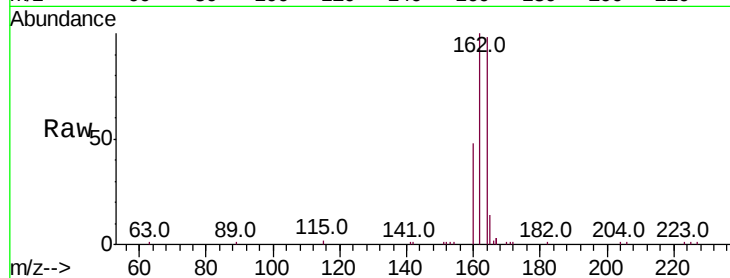
ClientSampleId :

PST-028-SW005-042219

Tot Ion:	164	Resp:	10797
Ion Ratio	Lower	Upper	
164	100		
162	102.1	77.8	116.6
160	49.1	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.716 ng

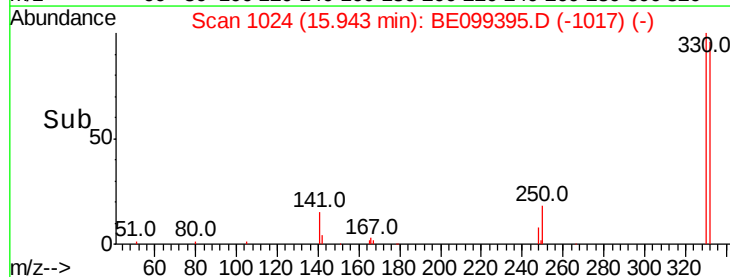
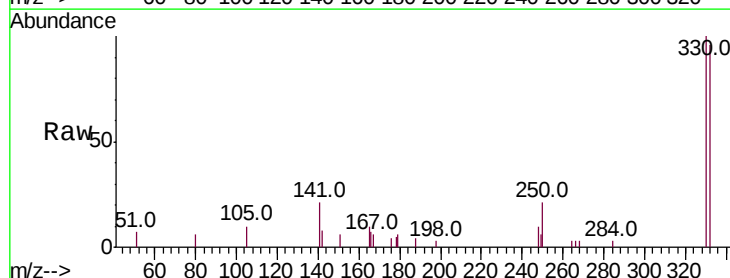
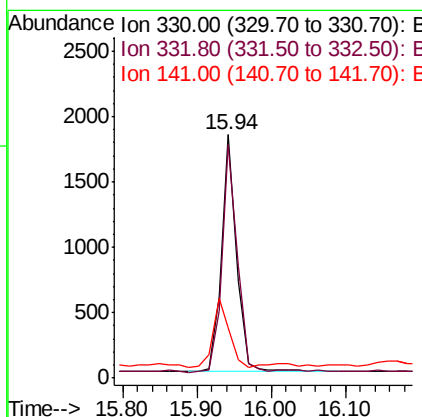
RT: 15.94 min Scan# 1024

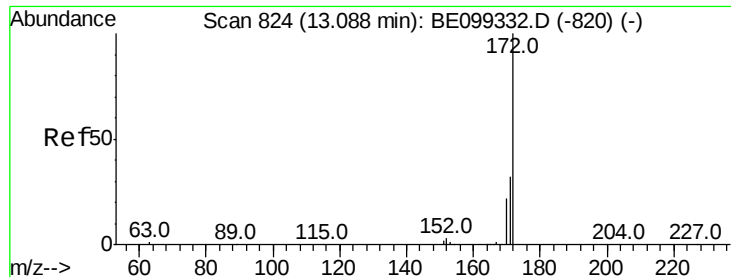
Delta R.T. -0.00 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Tgt Ion:	330	Resp:	2567
Ion Ratio	Lower	Upper	
330	100		
332	98.9	82.5	123.7
141	31.7	24.9	37.3





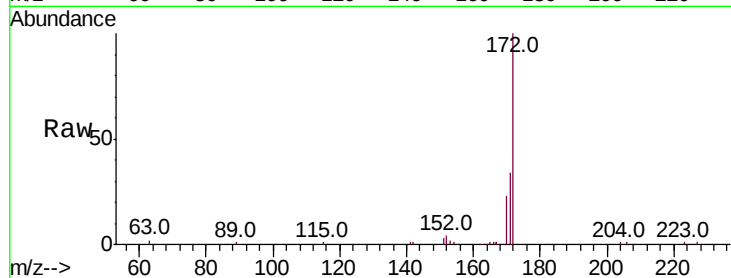
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.2	39.2
170	22.6	18.1	27.1

Manual Integrations
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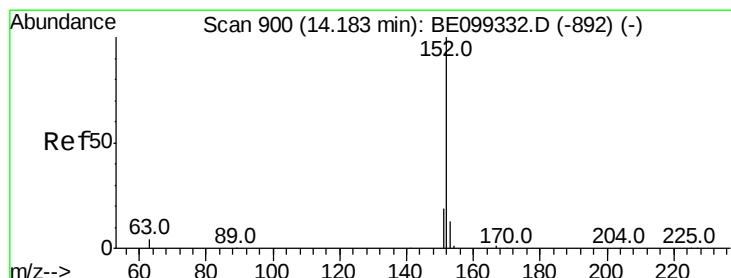
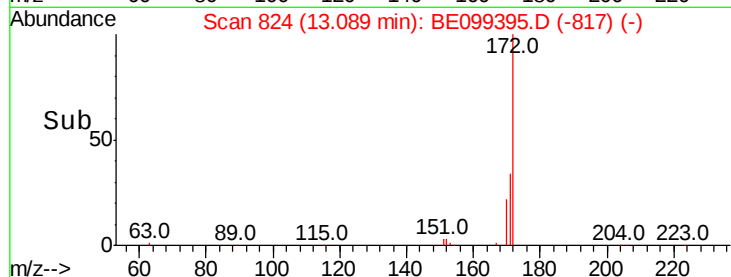
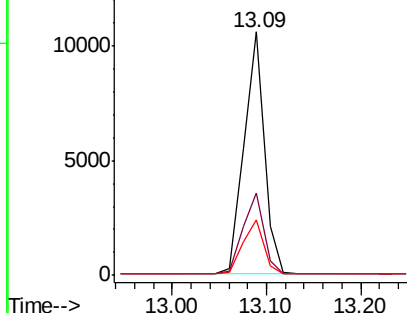


Abundance

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: 0.038 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

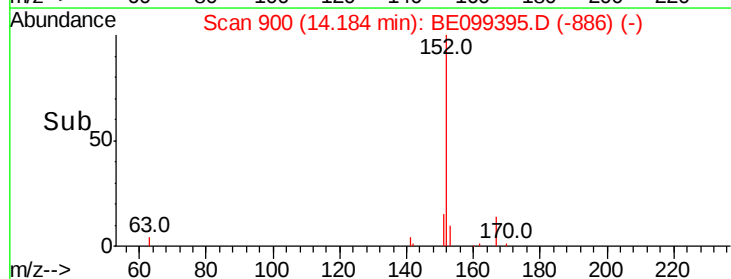
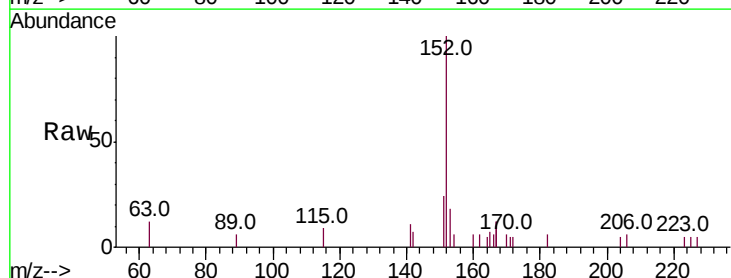
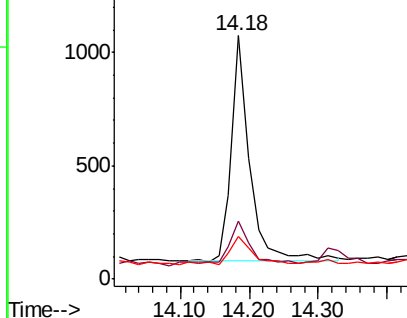
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3
153	15.6	10.2	15.4#

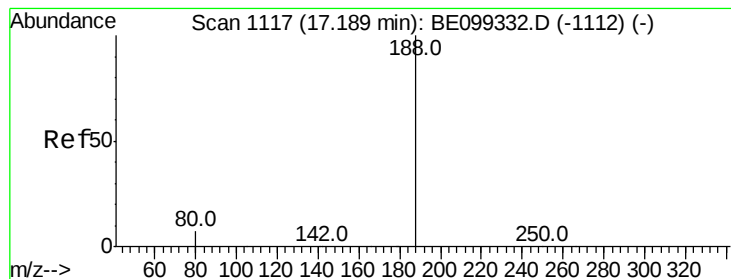
Abundance

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: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Instrument :

BNA_E

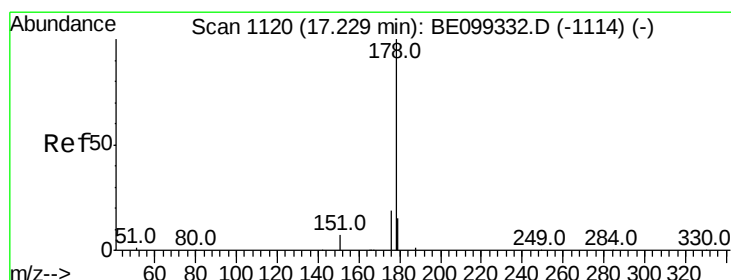
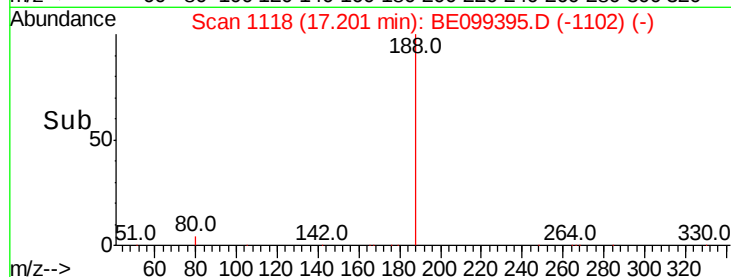
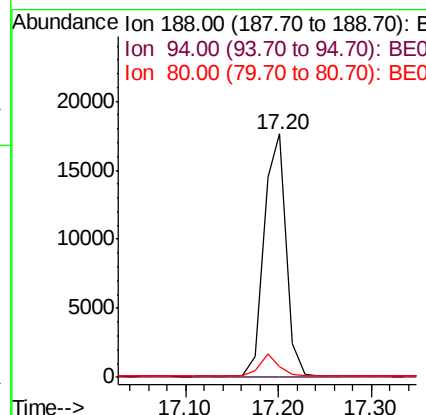
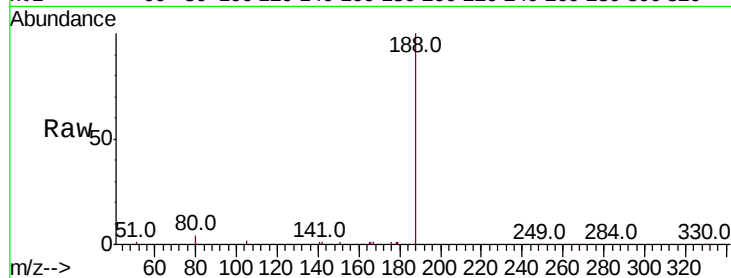
ClientSampleId :

PST-028-SW005-042219

Tot Ion:	188	Resp:	29063
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	4.2	6.2	9.4#

Manual Integrations
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#23

Phenanthrene

Concen: 0.160 ng

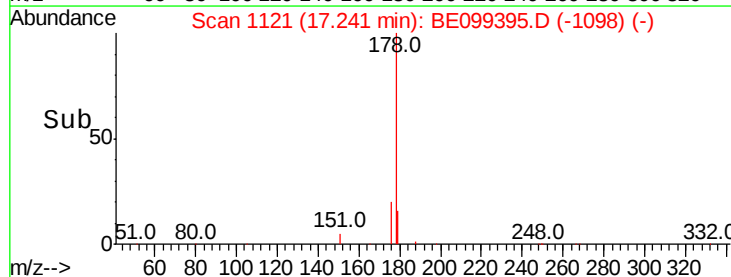
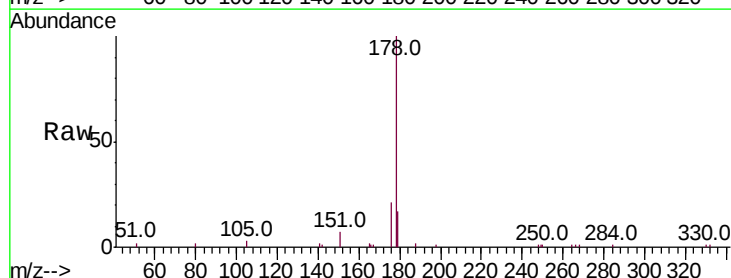
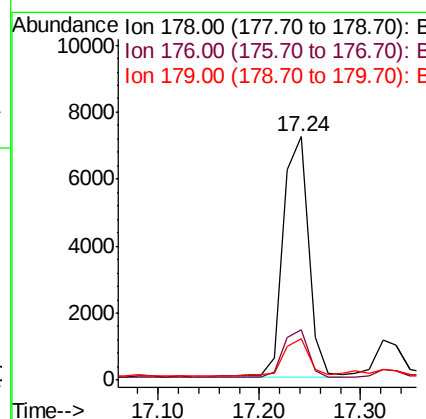
RT: 17.24 min Scan# 1121

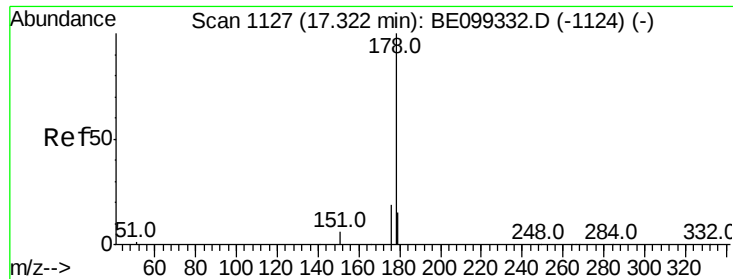
Delta R.T. 0.01 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Tgt Ion:	178	Resp:	12297
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.3	22.9
179	16.2	12.4	18.6





#24

Anthracene

Concen: 0.029 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Instrument :

BNA_E

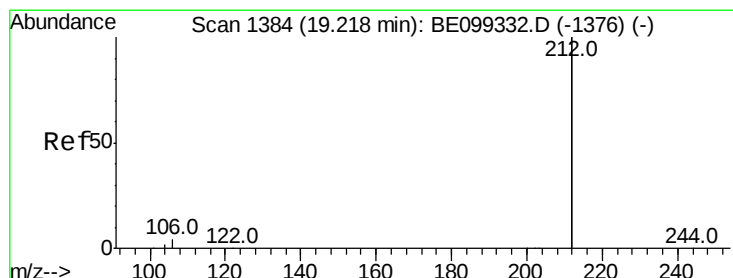
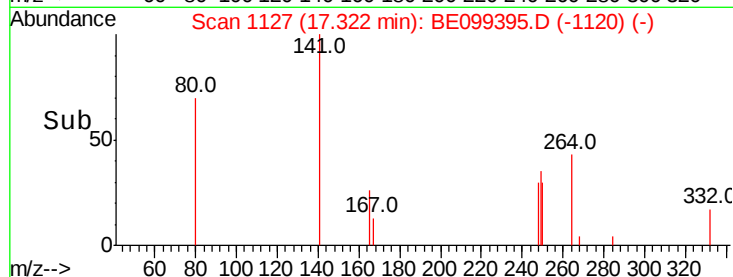
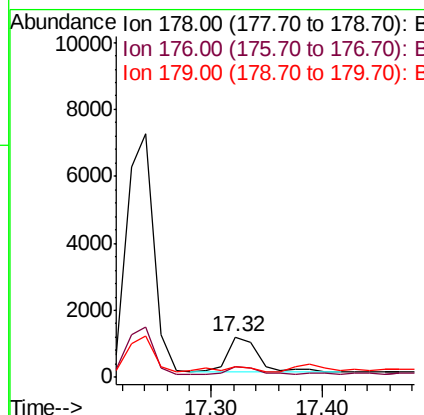
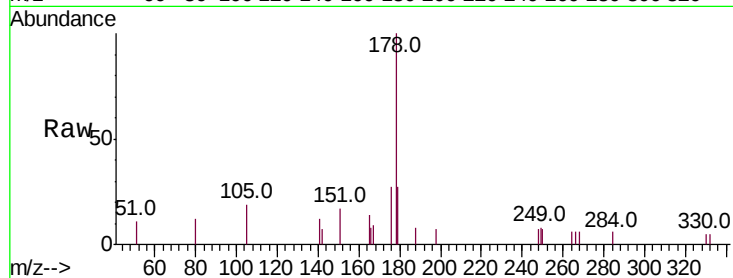
ClientSampleId :

PST-028-SW005-042219

Tot Ion:	178	Resp:	2003
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.1	22.7
179	17.1	11.9	17.9

Manual Integrations
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4/29/2019 1:32:00 PM



#25

Fluoranthene-d10

Concen: 0.376 ng

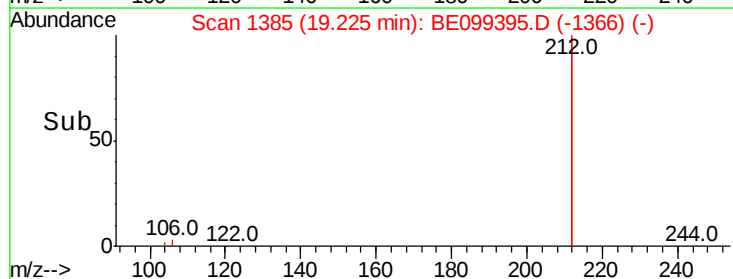
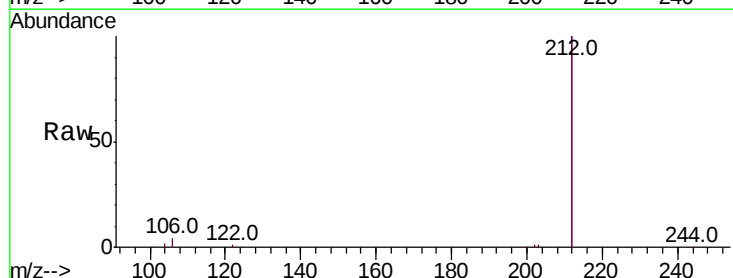
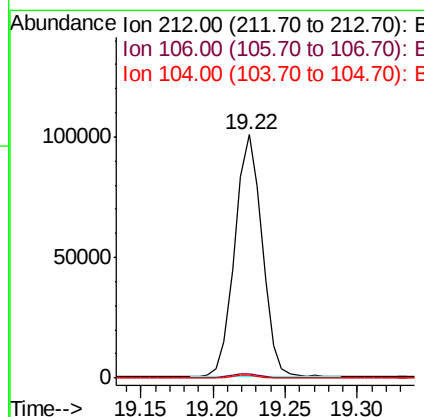
RT: 19.22 min Scan# 1385

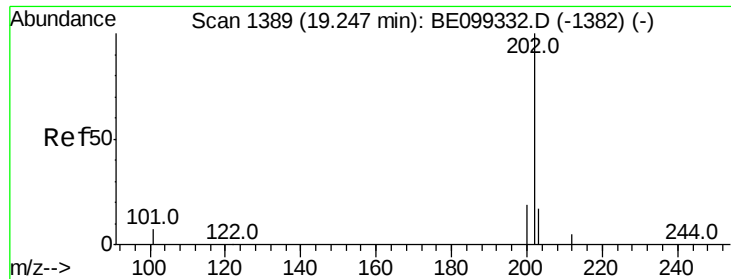
Delta R.T. 0.01 min

Lab File: BE099395.D

Acq: 27 Apr 2019 1:56

Tgt Ion:	212	Resp:	131202
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.8	2.6
104	1.1	1.0	1.4





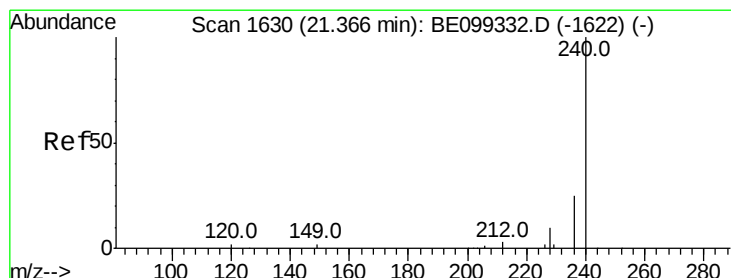
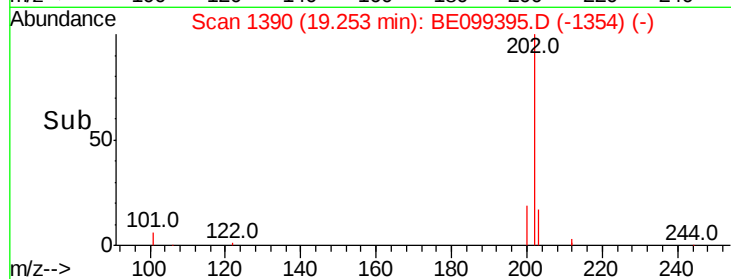
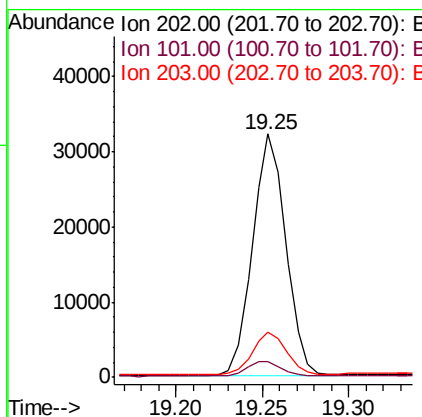
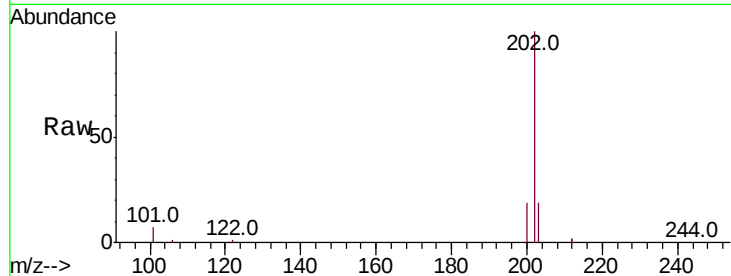
#26
 Fluoranthene
 Concen: 0.417 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099395.D
 Acq: 27 Apr 2019 1:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	42909		
101	6.6		6.4	9.6
203	17.9		13.5	20.3

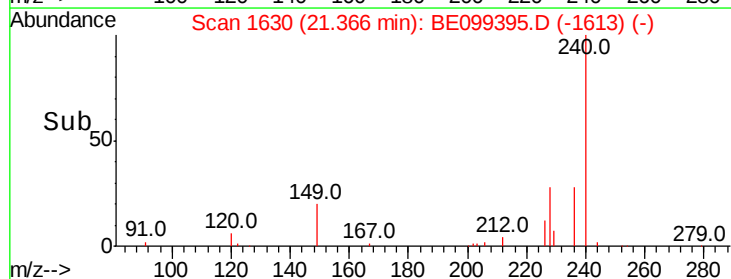
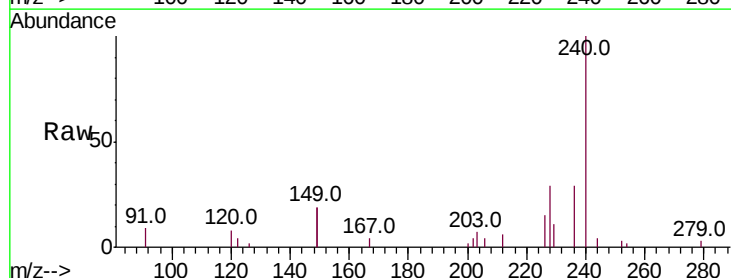
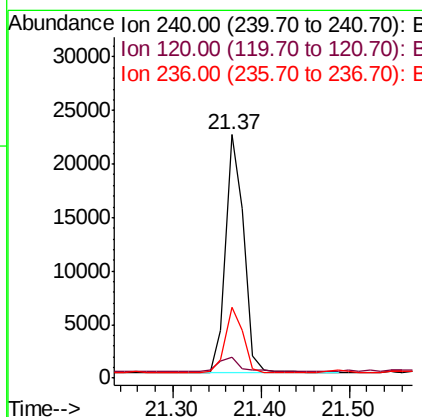
Manual Integrations
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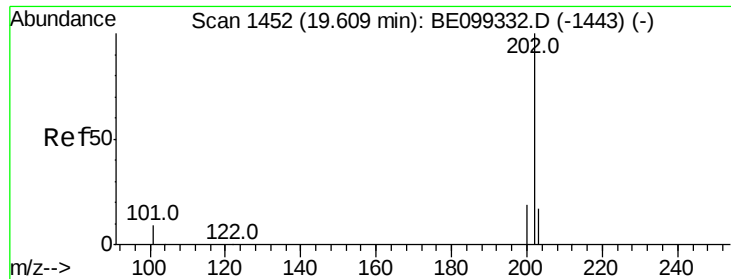
Sohil
 4/29/2019 1:32:00 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099395.D
 Acq: 27 Apr 2019 1:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	32044		
120	8.5		2.2	3.2#
236	29.2		20.2	30.4





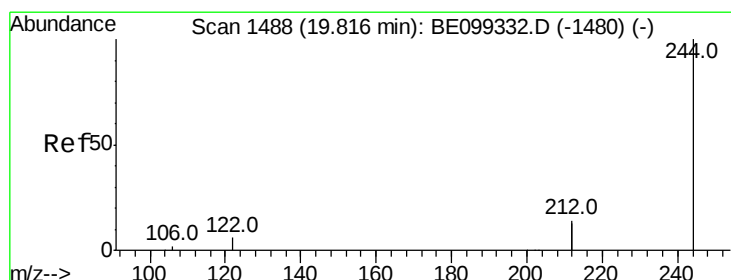
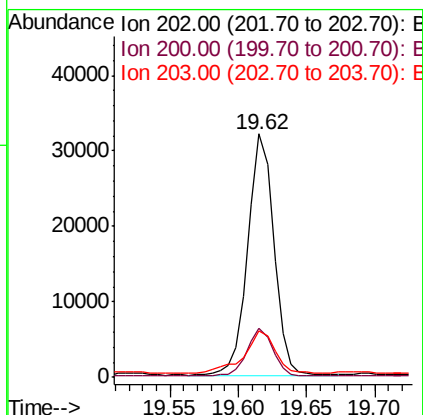
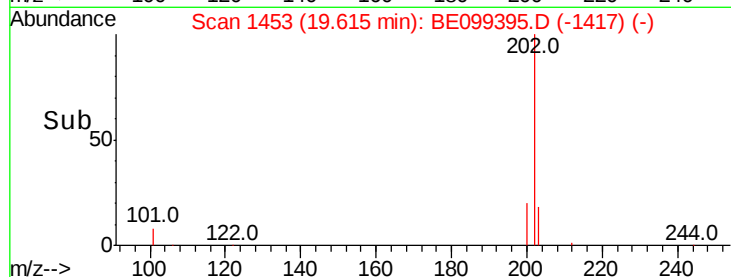
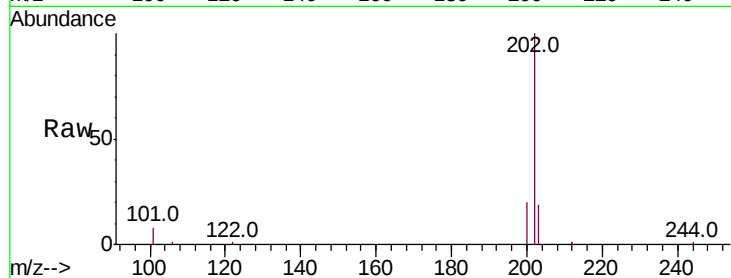
#28
Pvrene
Concen: 0.447 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	21.0	13.7	20.5

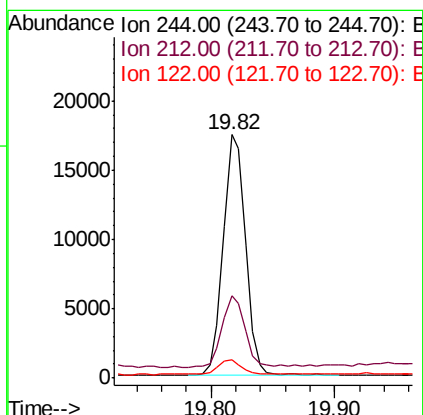
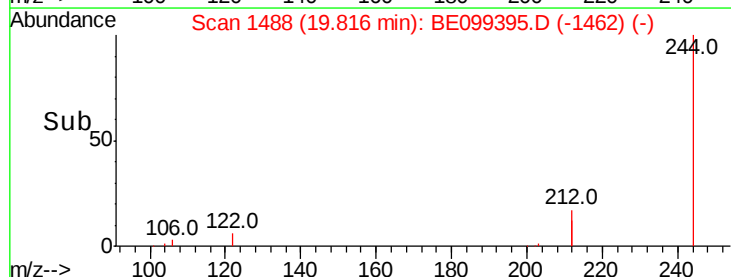
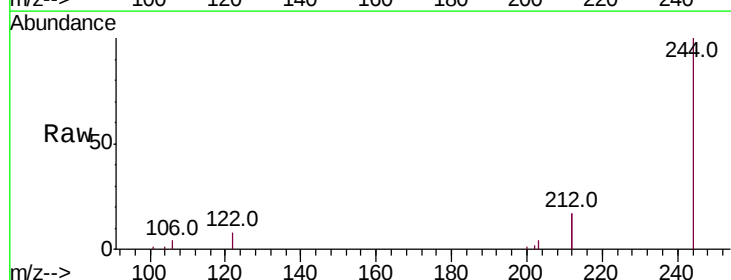
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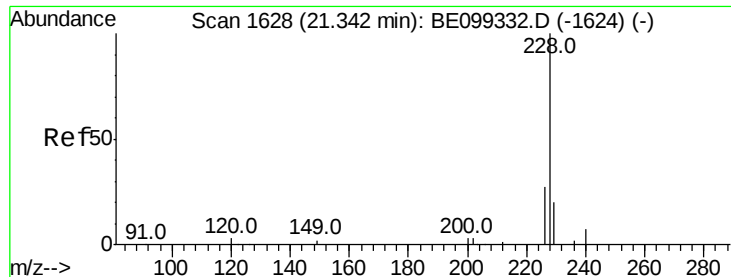
Sohil
4/29/2019 1:32:00 PM



#29
Terphenyl-d14
Concen: 0.346 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.7	22.6	33.8
122	7.7	4.6	7.0





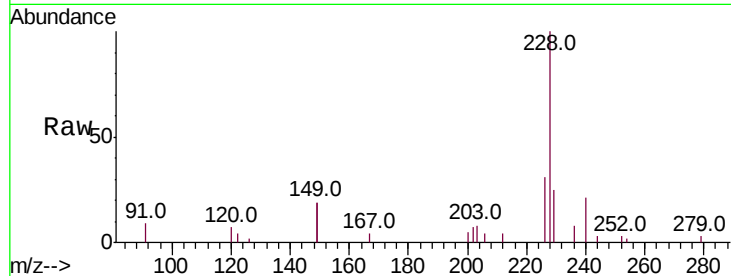
#30
Benzo(a)anthracene
Concen: 0.319 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.0	33.0
229	24.7	15.8	23.8

Manual Integrations
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Sohil
4/29/2019 1:32:00 PM

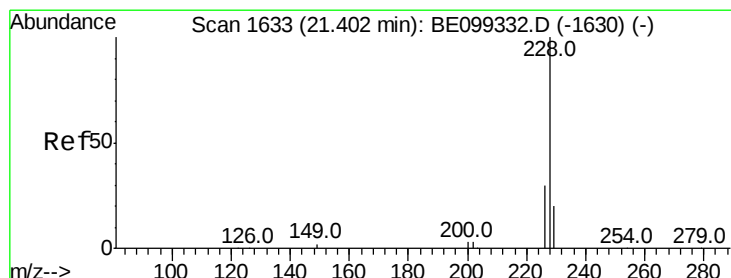
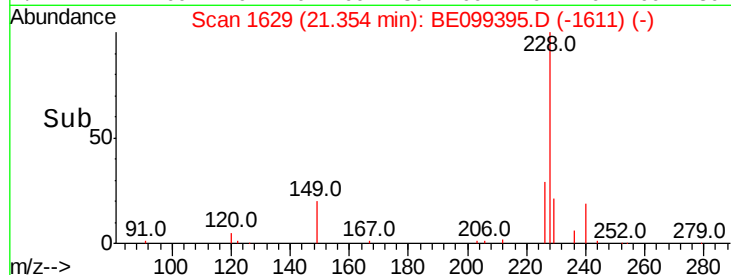
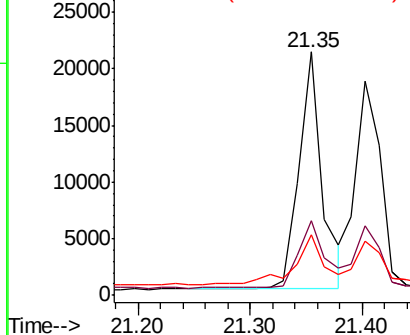


Abundance

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: 0.285 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

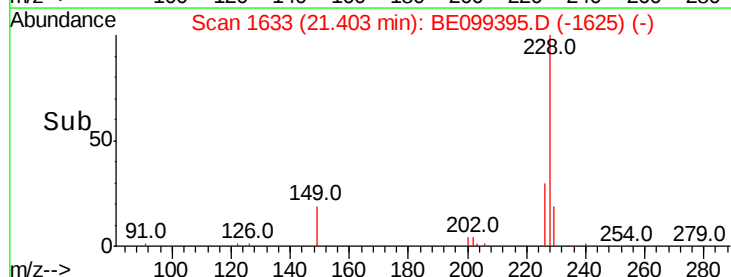
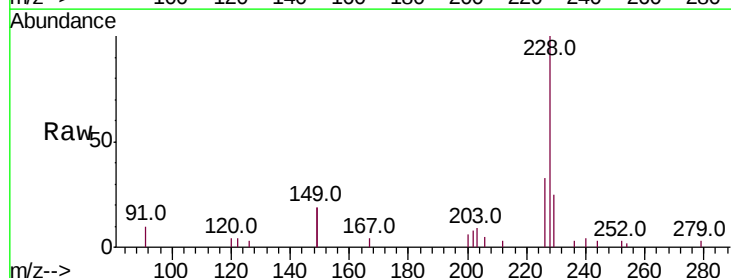
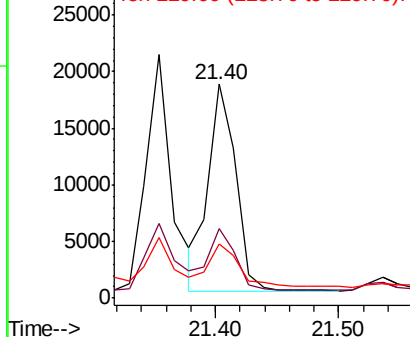
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.4	35.2
229	25.2	16.2	24.2

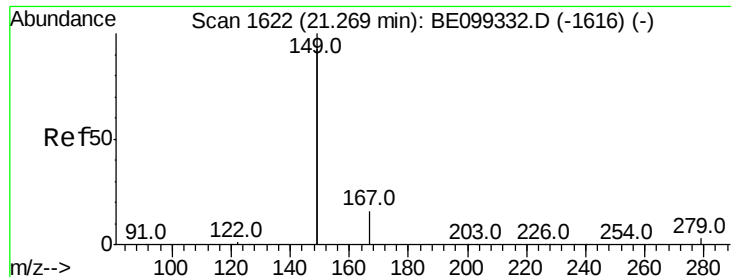
Abundance

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





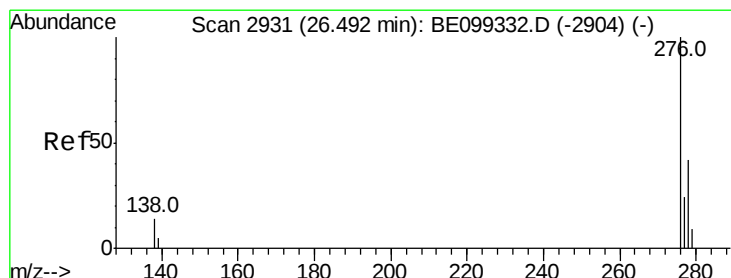
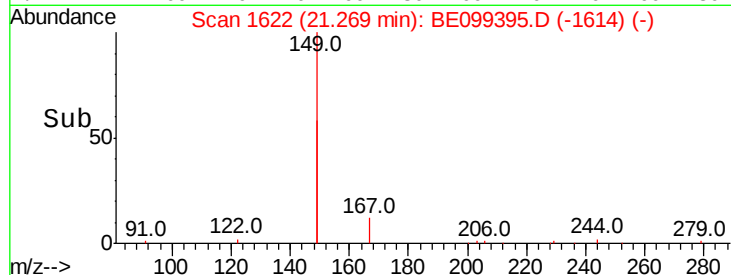
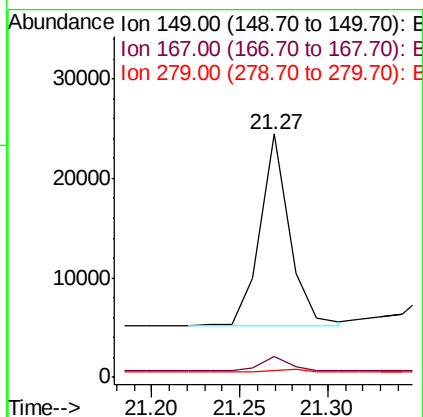
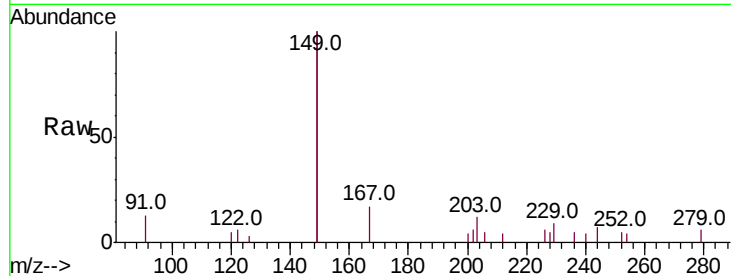
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.263 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099395.D
 Acq: 27 Apr 2019 1:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219

Tot Ion:	149	Resp:	22541
Ion Ratio	Lower	Upper	
149	100		
167	7.5	6.0	9.0
279	1.4	1.1	1.7

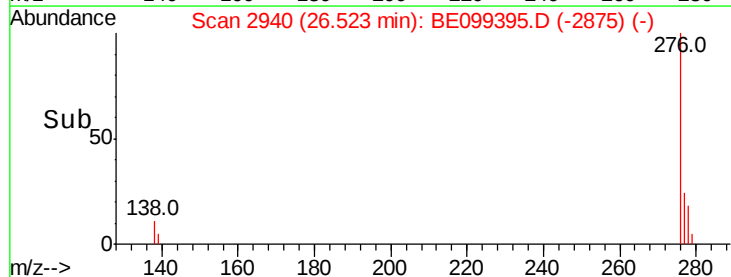
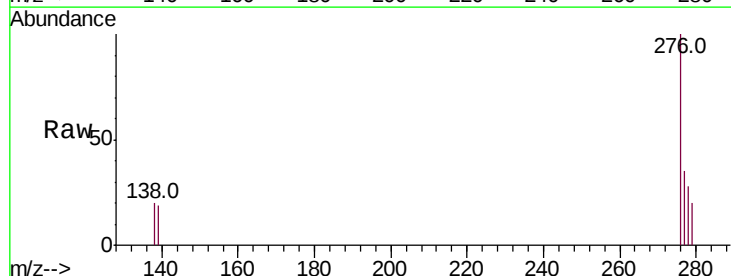
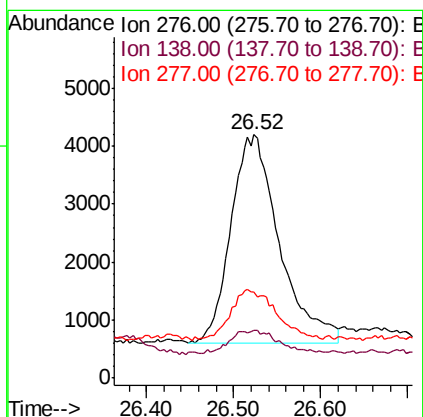
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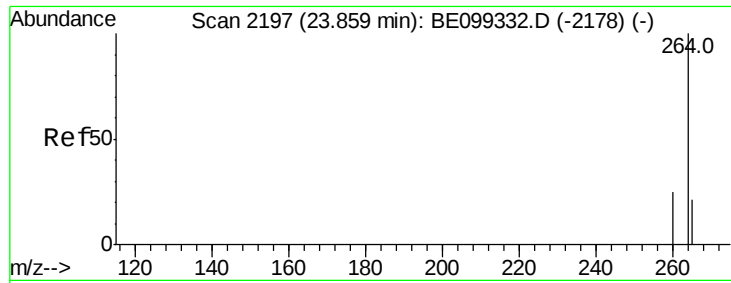
Sohil
 4/29/2019 1:32:00 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.139 ng
 RT: 26.52 min Scan# 2940
 Delta R.T. 0.03 min
 Lab File: BE099395.D
 Acq: 27 Apr 2019 1:56

Tgt Ion:	276	Resp:	13800
Ion Ratio	Lower	Upper	
276	100		
138	3.9	12.7	19.1#
277	23.3	19.6	29.4





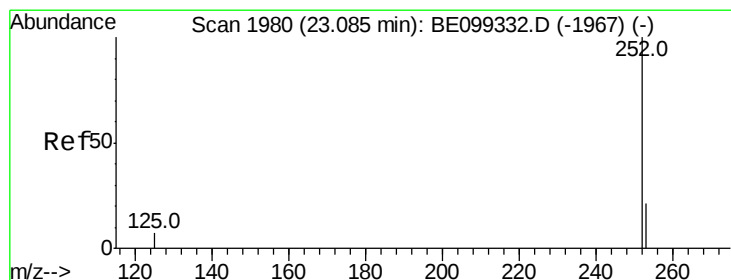
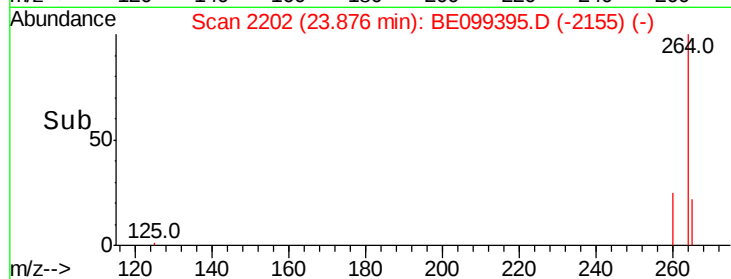
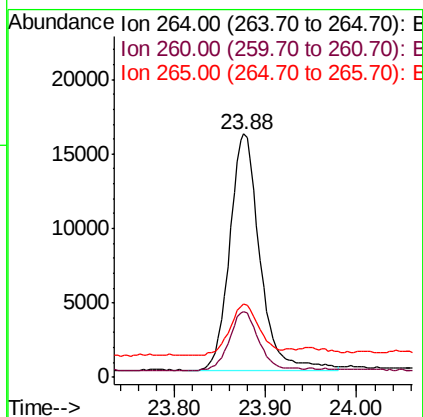
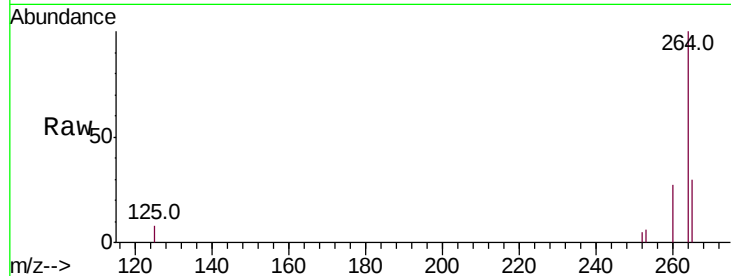
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.1	30.1
265	30.1	19.9	29.9

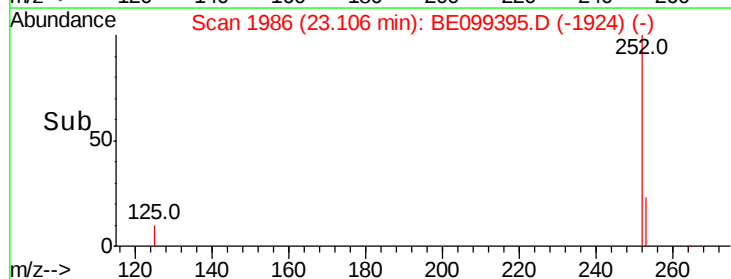
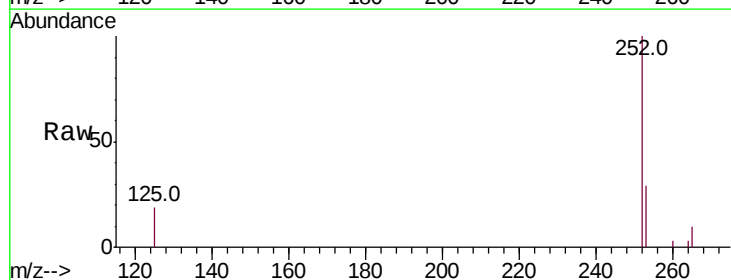
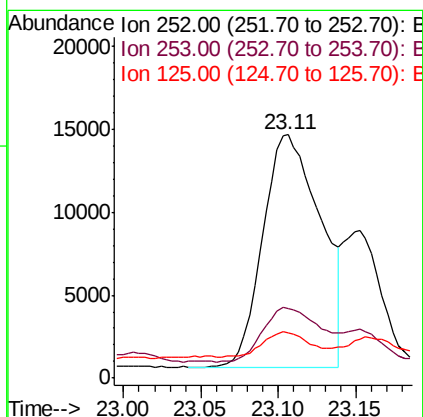
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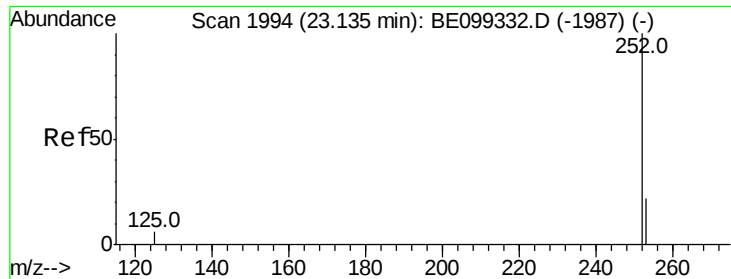
Sohil
4/29/2019 1:32:00 PM



#35
Benzo(b)fluoranthene
Concen: 0.324 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.3	25.9
125	18.7	5.8	8.6





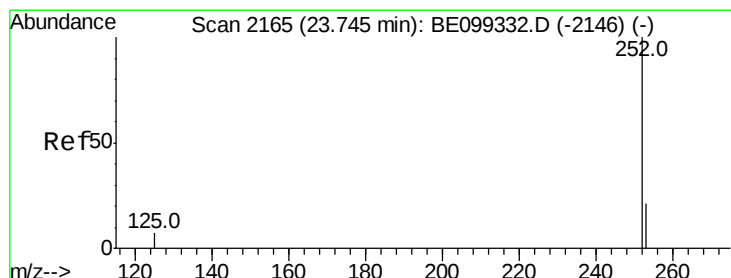
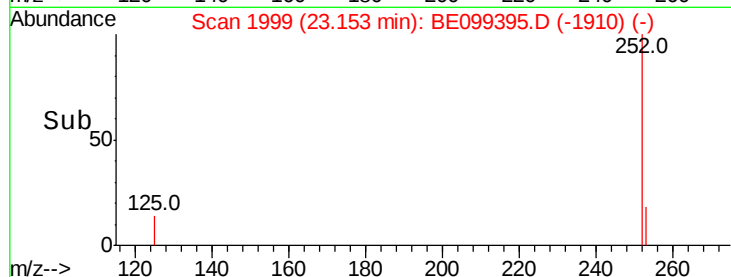
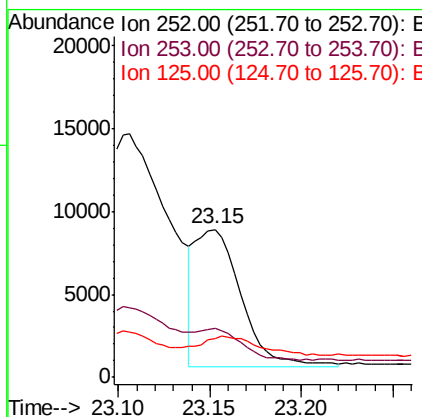
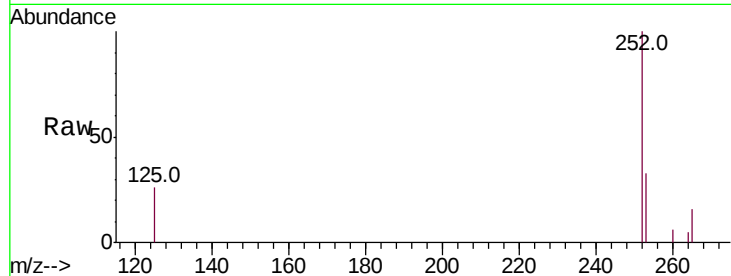
#36
Benzo(k)fluoranthene
Concen: 0.127 ng m
RT: 23.15 min Scan# 1999
Delta R.T. 0.02 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.2	18.4	27.6#
125	26.2	5.4	8.0#

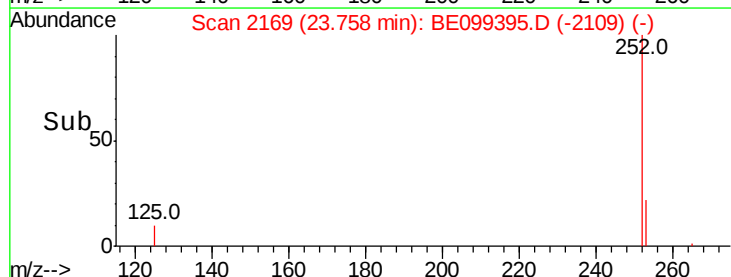
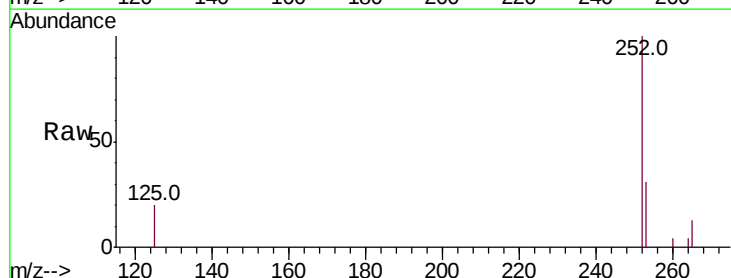
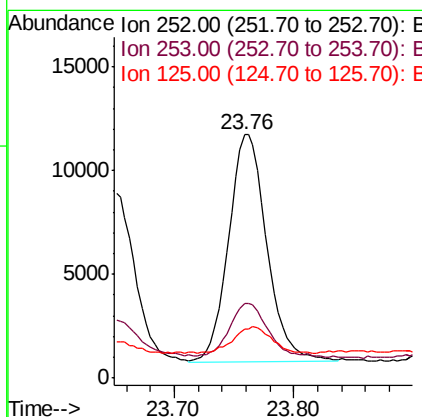
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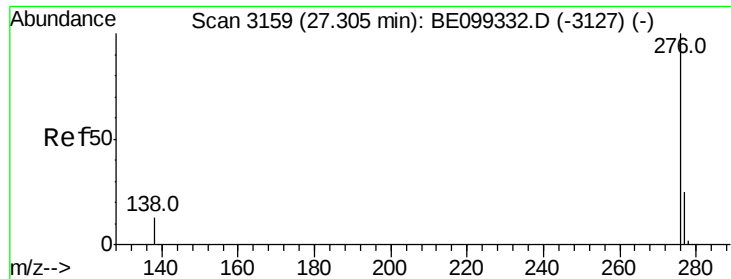
Sohil
4/29/2019 1:32:00 PM



#37
Benzo(a)pyrene
Concen: 0.240 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.01 min
Lab File: BE099395.D
Acq: 27 Apr 2019 1:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.6	26.4#
125	20.0	6.5	9.7#





#39

Benzo(a,h,i)perylene

Concen: 0.120 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.04 min

Lab File: BE099395.D

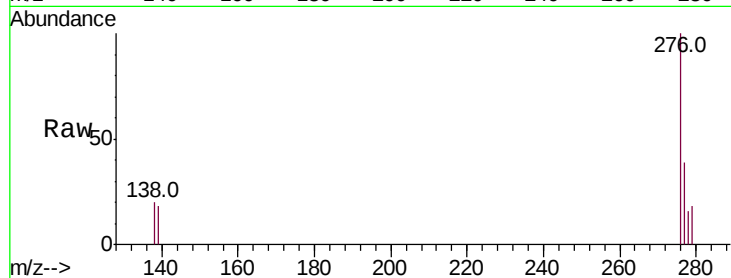
Acq: 27 Apr 2019 1:56

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219



Tot Ion:	276	Resp:	12531
Ion Ratio	Lower	Upper	
276	100		
277	38.7	20.0	30.0#
138	20.4	11.1	16.7#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:00 PM

