

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099488.D
 Acq On : 2 May 2019 6:23
 Operator : JU/SJ
 Sample : K2569-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW029-042319

Manual Integrations
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 5/2/2019 4:48:23 PM

Quant Time: May 02 08:57:48 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	2436	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9197	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7629	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23303	0.40	ng	0.00
27) Chrysene-d12	21.37	240	27590	0.40	ng	0.00
34) Perylene-d12	23.86	264	32098	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1748	0.26	ng	0.00
5) Phenol-d6	6.96	99	2875	0.32	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2300	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4100	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1298	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6092	0.21	ng	-0.02
25) Fluoranthene-d10	19.22	212	61063	0.19	ng	0.00
29) Terphenyl-d14	19.81	244	12485	0.25	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	23553	0.235	ng	99
12) 2-Methylnaphthalene	12.27	142	38126	2.188	ng	96
16) Acenaphthylene	14.18	152	17627	0.472	ng	98
17) Acenaphthene	14.51	154	1533	0.072	ng	89
18) Fluorene	15.49	166	6798	0.216	ng	# 95
23) Phenanthrene	17.23	178	49061	0.816	ng	99
24) Anthracene	17.32	178	6455	0.113	ng	97
26) Fluoranthene	19.25	202	119910	1.331	ng	100
28) Pyrene	19.61	202	123712	1.720	ng	# 96
30) Benzo(a)anthracene	21.34	228	81400	0.926	ng	96
31) Chrysene	21.40	228	96156	1.118	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	67509	0.473	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	71356	0.702	ng	98
35) Benzo(b)fluoranthene	23.09	252	130980	1.415	ng	97
36) Benzo(k)fluoranthene	23.14	252	46156m	0.517	ng	
37) Benzo(a)pyrene	23.75	252	89876	1.027	ng	99
38) Dibenzo(a,h)anthracene	26.51	278	17985	0.201	ng	# 86
39) Benzo(g,h,i)perylene	27.33	276	70404	0.785	ng	99

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

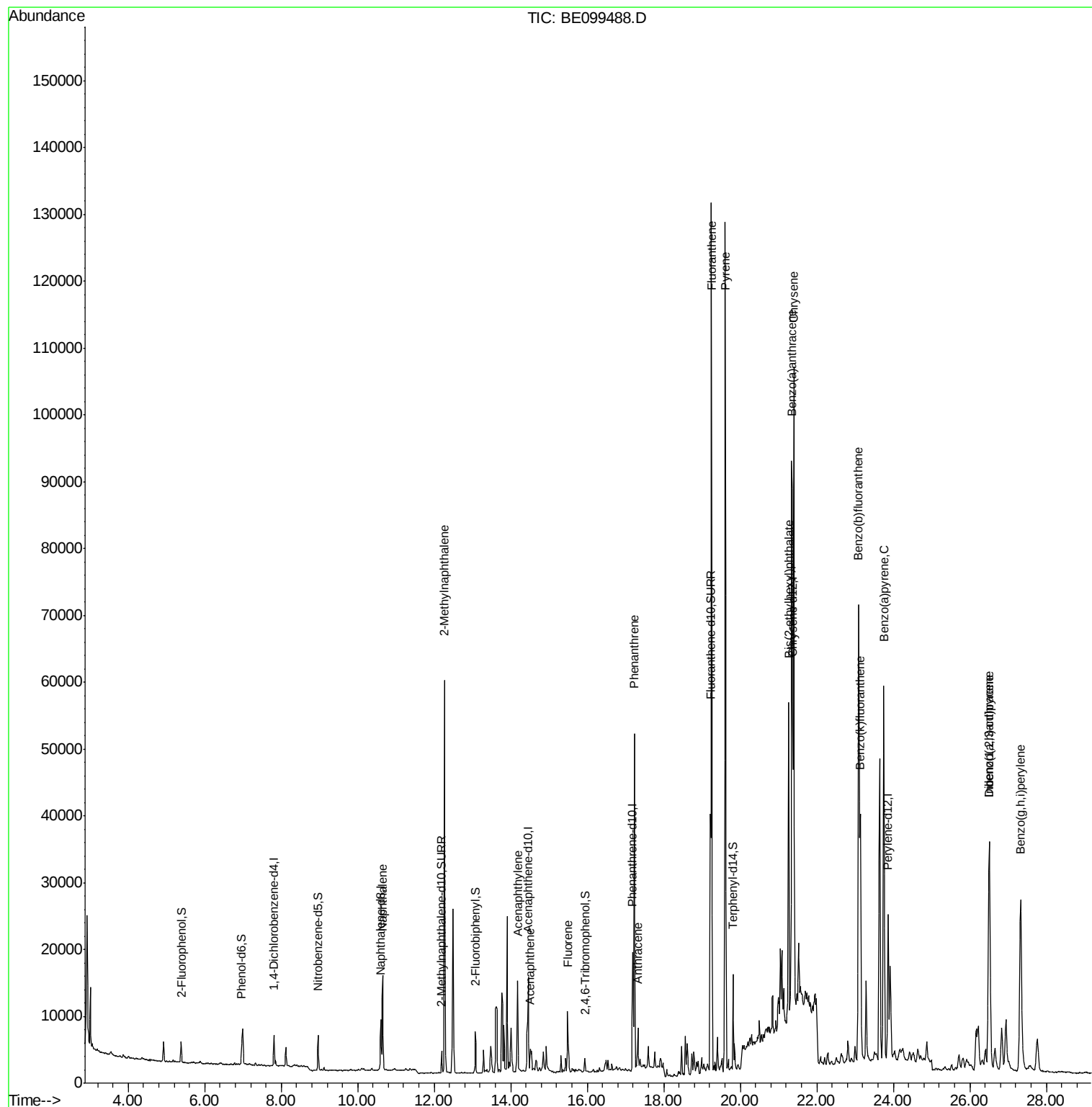
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
Data File : BE099488.D
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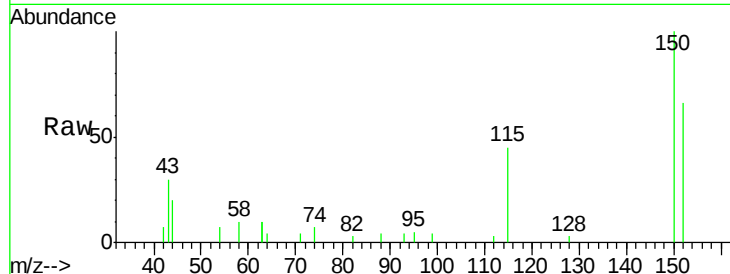




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

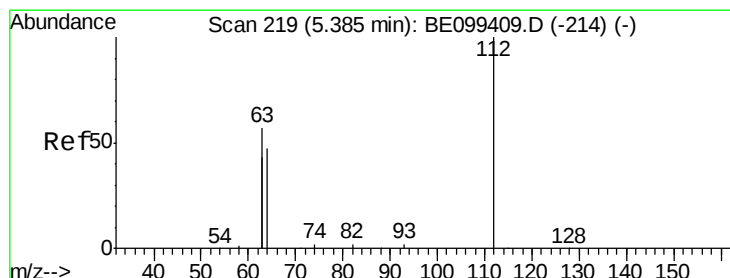
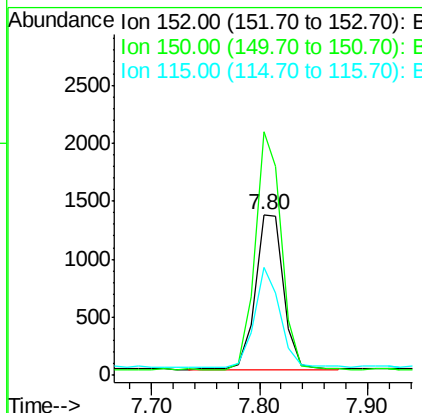
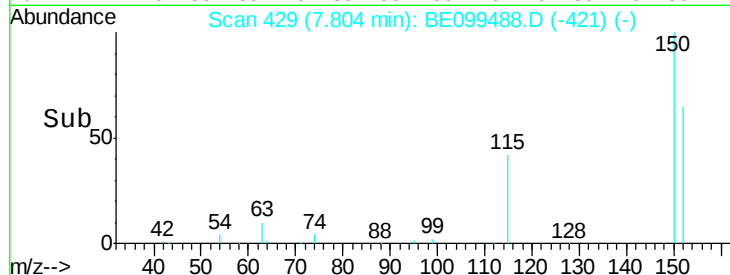
Instrument :
BNA_E
ClientSampleId :
PST-023-SW029-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	104.8	157.2
115	67.4	46.6	69.8

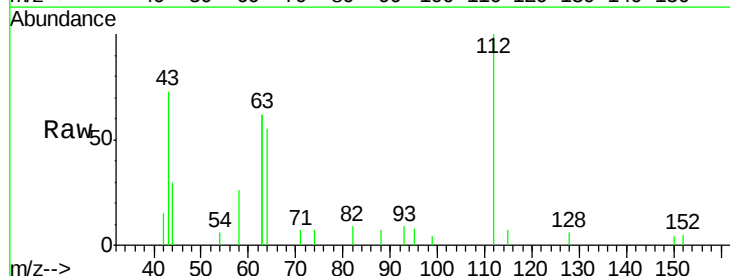
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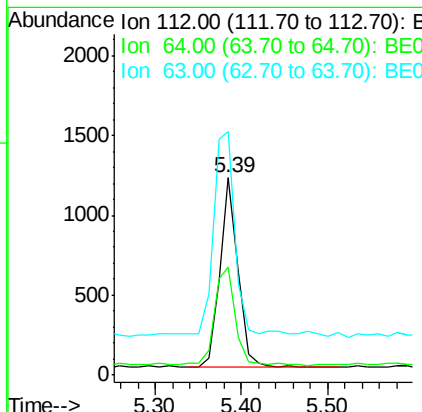
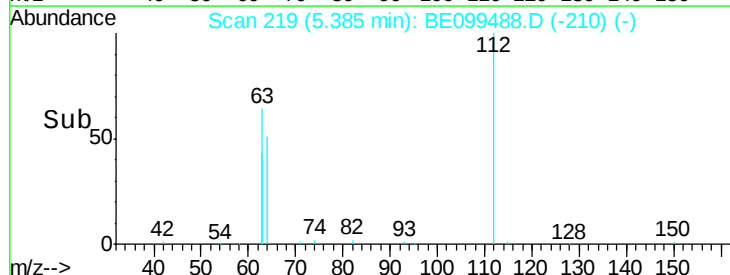


#4

2-Fluorophenol
Concen: 0.260 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23



Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.4	71.0
63	122.4	104.3	156.5





#5

Phenol-d6

Concen: 0.321 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

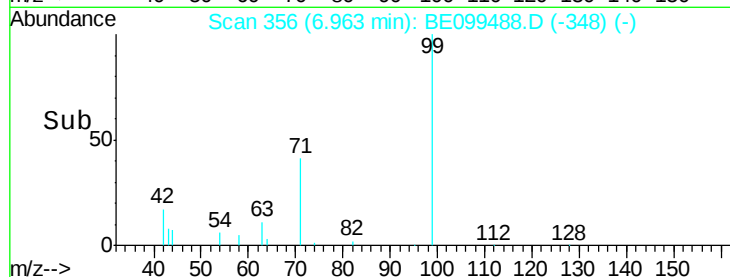
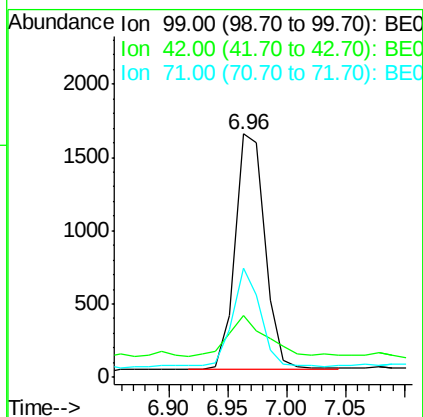
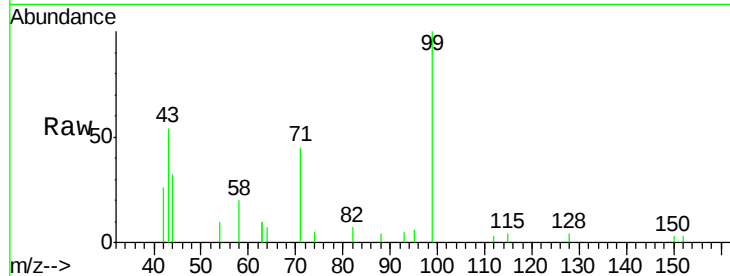
ClientSampleId :

PST-023-SW029-042319

Tgt Ion:	99	Resp:	2875
Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.9	22.3
71	38.5	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

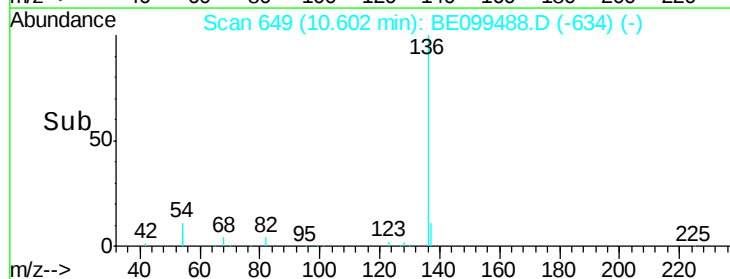
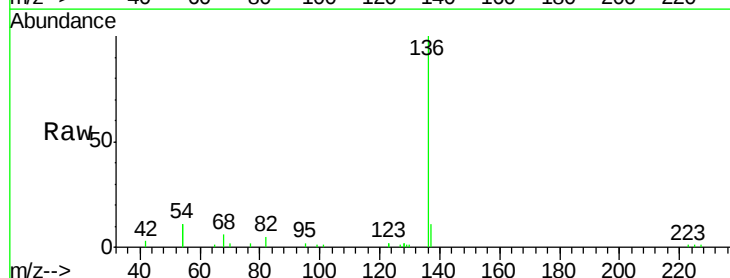
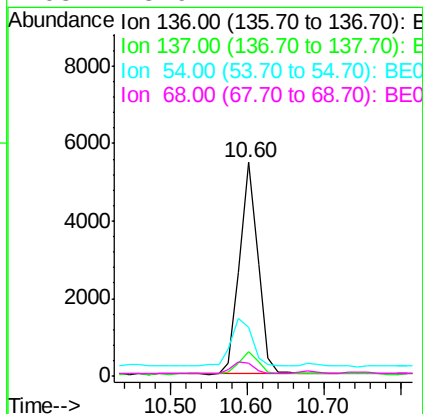
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Tgt Ion:	136	Resp:	9197
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.8	14.8
54	22.6	18.5	27.7
68	5.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.267 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

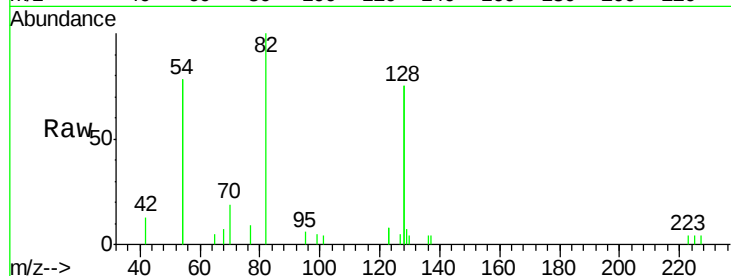
ClientSampleId :

PST-023-SW029-042319

Tgt Ion:	82	Resp:	2300
Ion	Ratio	Lower	Upper
82	100		
128	150.8	107.0	160.4
54	156.3	113.1	169.7

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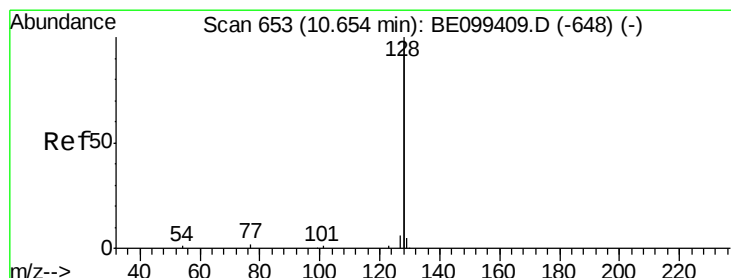
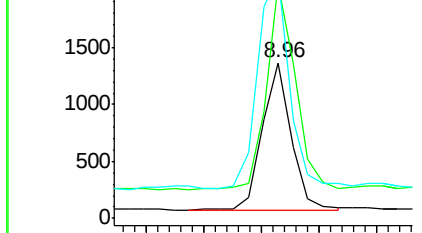
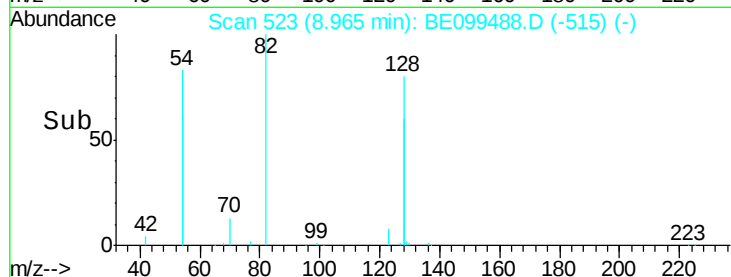


Abundance Ion 82.00 (81.70 to 82.70): BE099409.D (-520) (-)

Ion 128.00 (127.70 to 128.70): BE099409.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099409.D (-520) (-)

Time-->



#9

Naphthalene

Concen: 0.235 ng

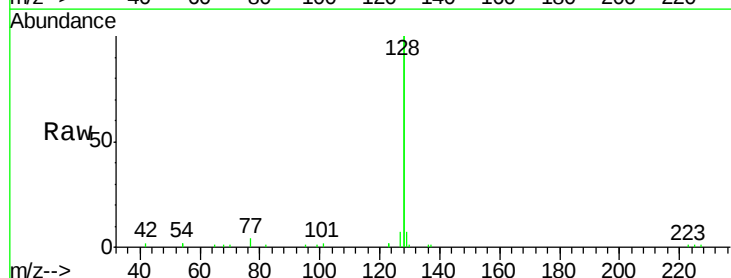
RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Tgt Ion:	128	Resp:	23553
Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.4	3.6
127	3.7	2.8	4.2

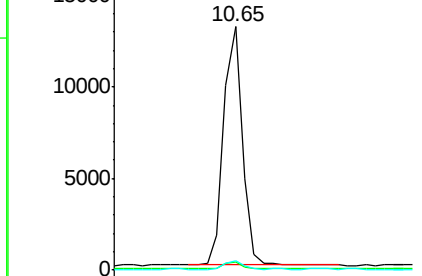
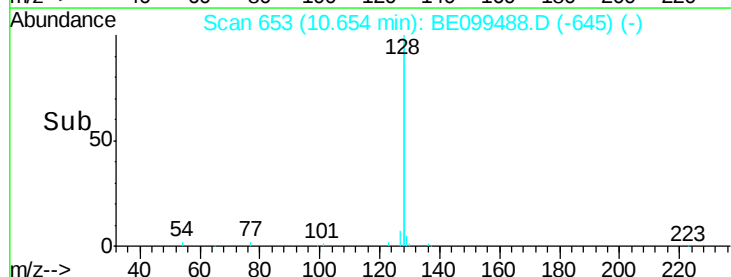


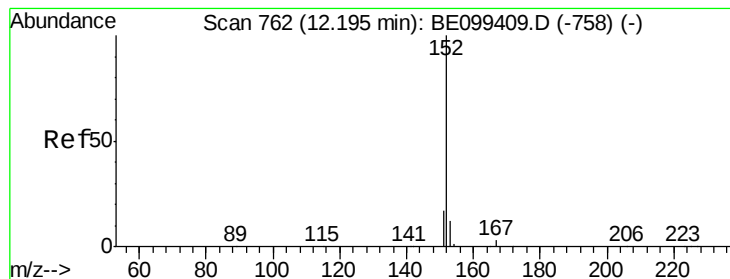
Abundance Ion 128.00 (127.70 to 128.70): BE099409.D (-648) (-)

Ion 129.00 (128.70 to 129.70): BE099409.D (-648) (-)

Ion 127.00 (126.70 to 127.70): BE099409.D (-648) (-)

Time-->





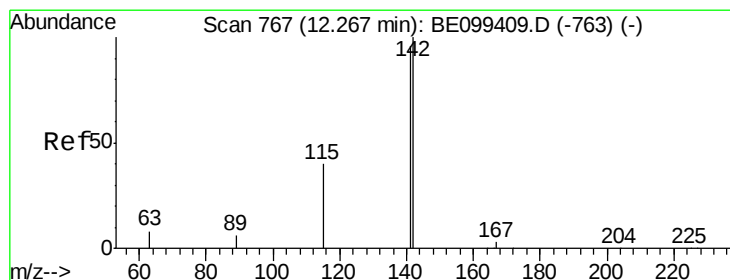
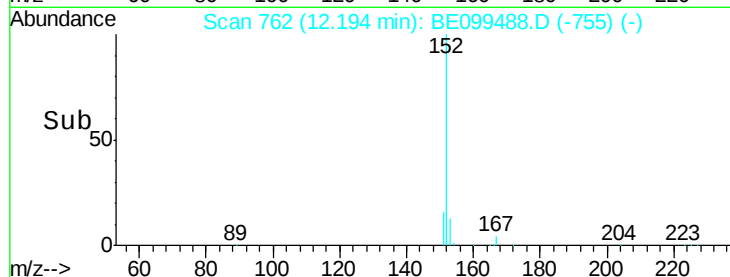
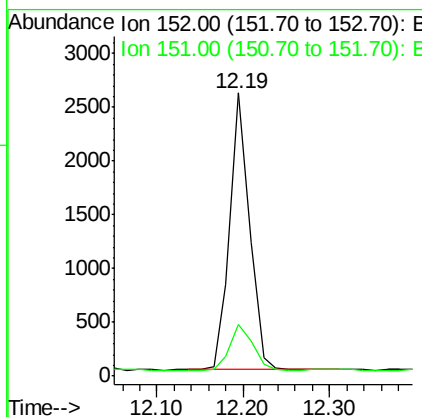
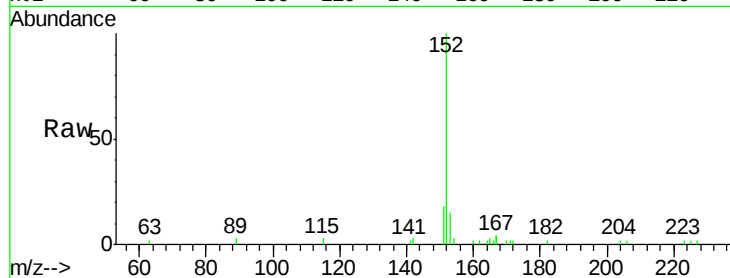
#11
 2-Methylnaphthalene-d10
 Concen: 0.247 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW029-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.5	23.3

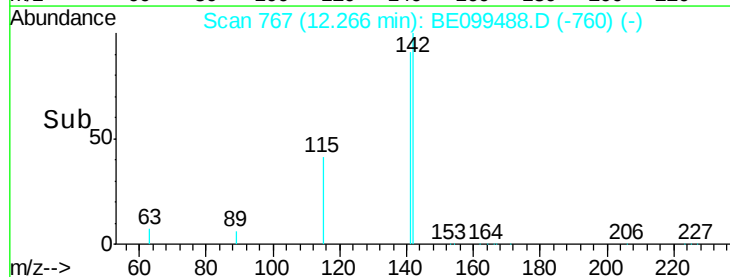
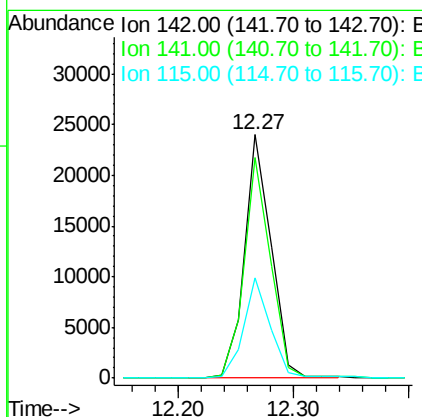
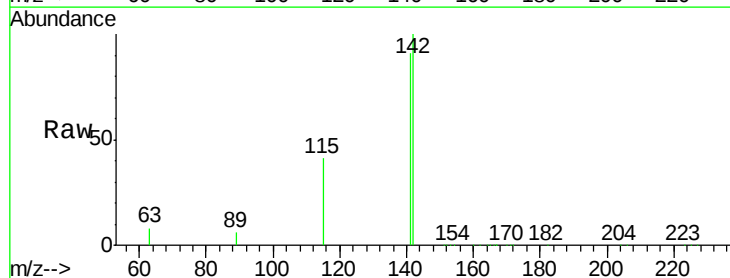
Manual Integrations
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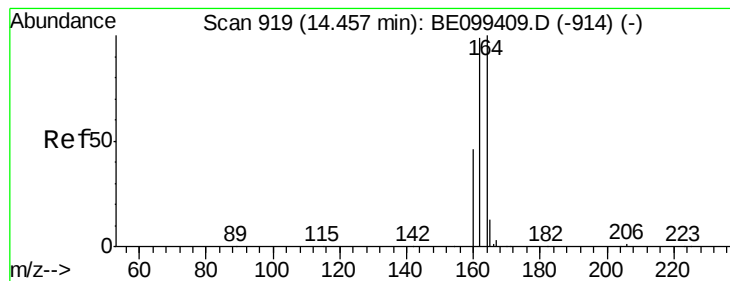
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#12
 2-Methylnaphthalene
 Concen: 2.188 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	77.0	115.4
115	41.1	33.4	50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

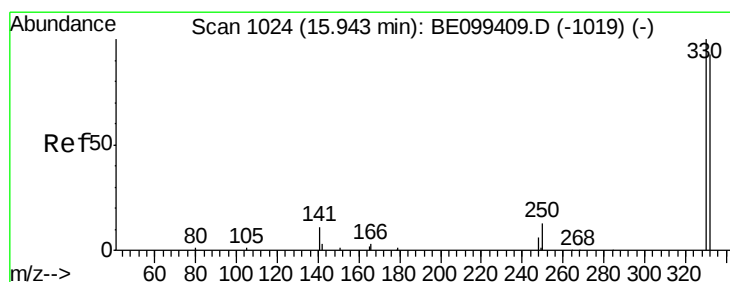
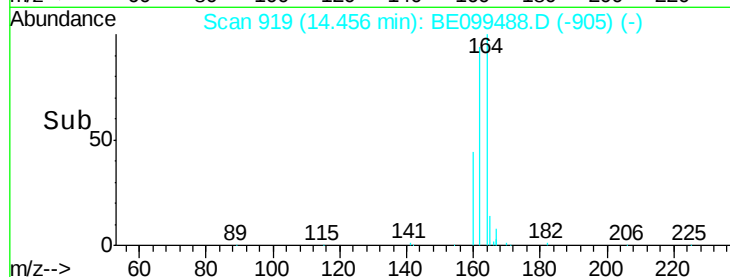
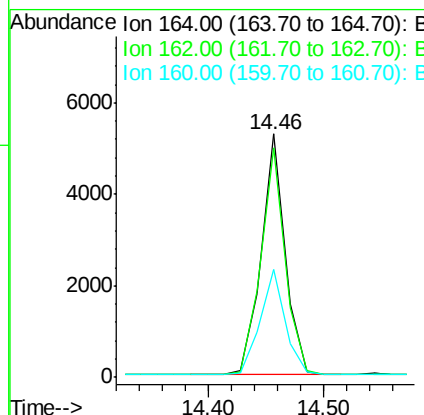
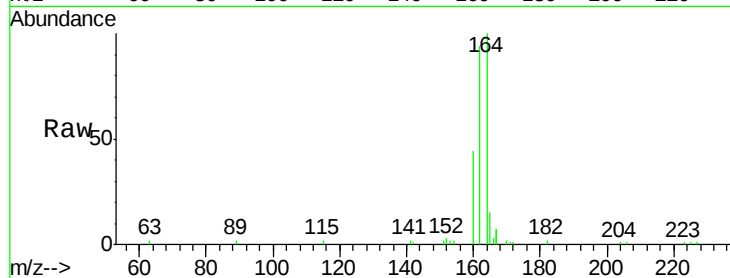
ClientSampleId :

PST-023-SW029-042319

Tgt Ion:	164	Resp:	7629
Ion Ratio	Lower	Upper	
164	100		
162	94.1	79.0	118.4
160	44.3	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.270 ng

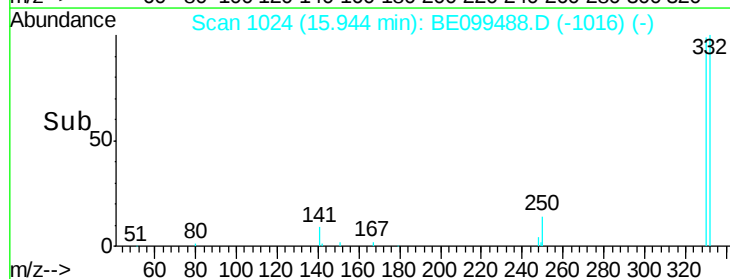
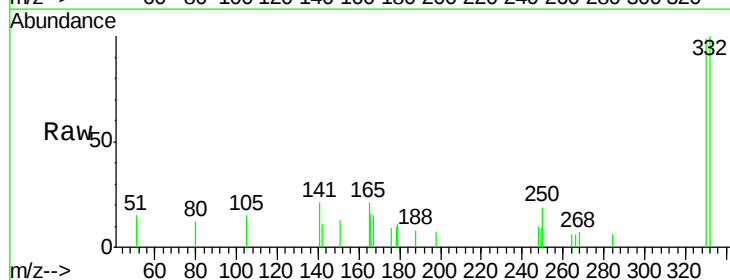
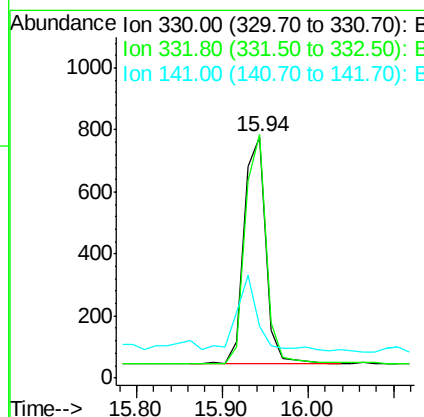
RT: 15.94 min Scan# 1024

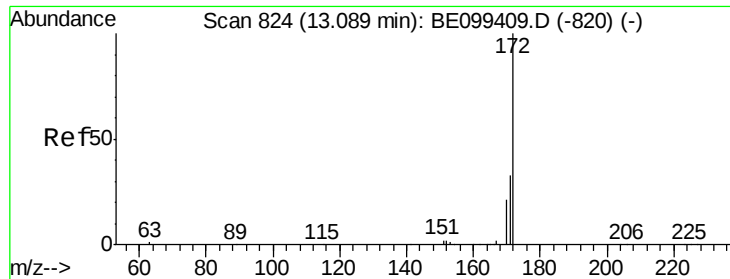
Delta R.T. 0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Tgt Ion:	330	Resp:	1298
Ion Ratio	Lower	Upper	
330	100		
332	99.0	71.5	107.3
141	36.2	24.0	36.0#





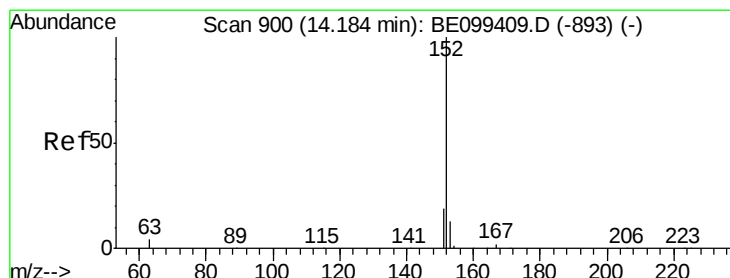
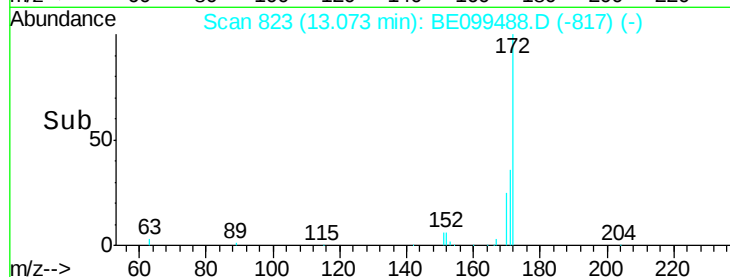
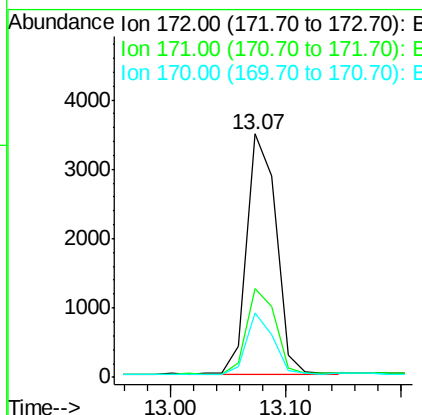
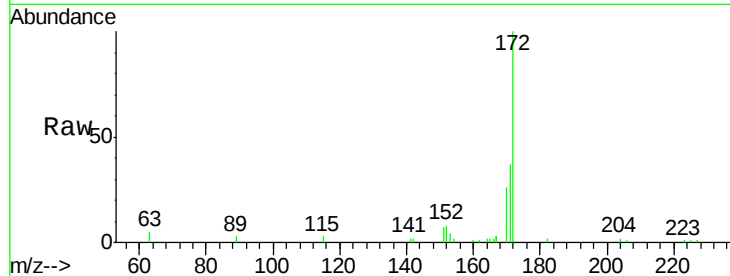
#15
2-Fluorobiphenyl
Concen: 0.209 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Instrument :
BNA_E
ClientSampleId :
PST-023-SW029-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	26.6	39.8
170	26.3	17.0	25.6

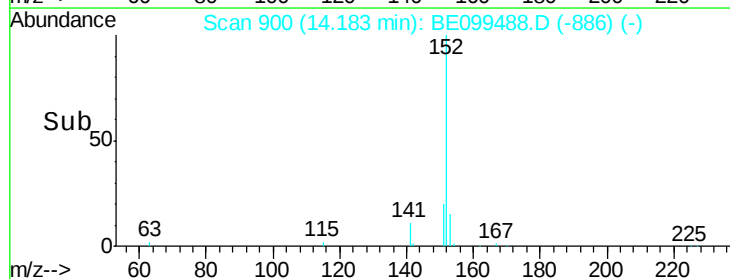
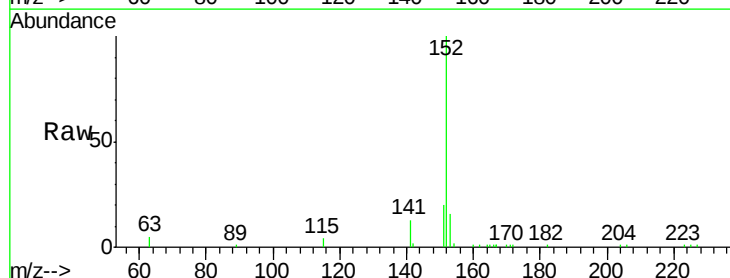
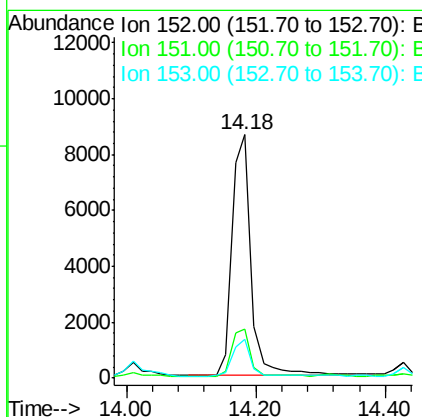
Manual Integrations
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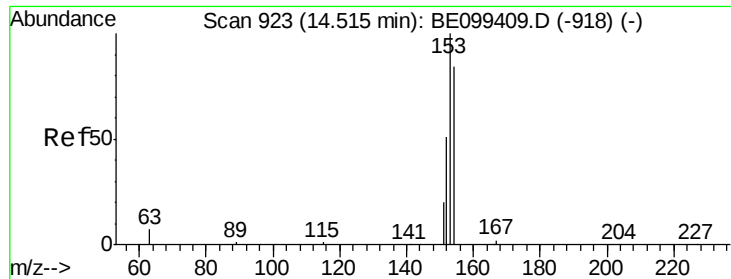
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#16
Acenaphthylene
Concen: 0.472 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	14.2	9.8	14.6





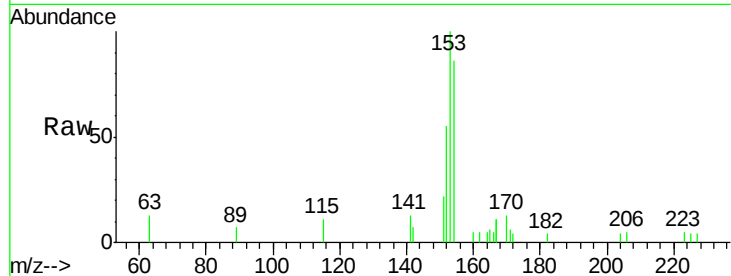
#17
Acenaphthene
Concen: 0.072 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Instrument :
BNA_E
ClientSampleId :
PST-023-SW029-042319

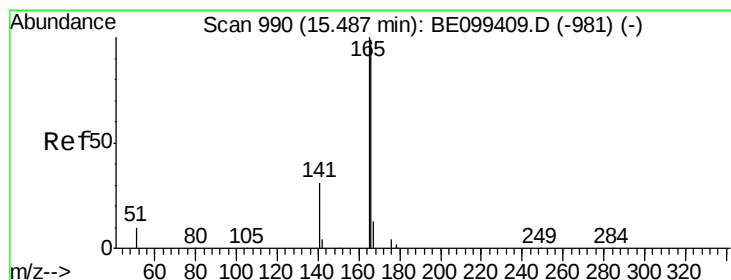
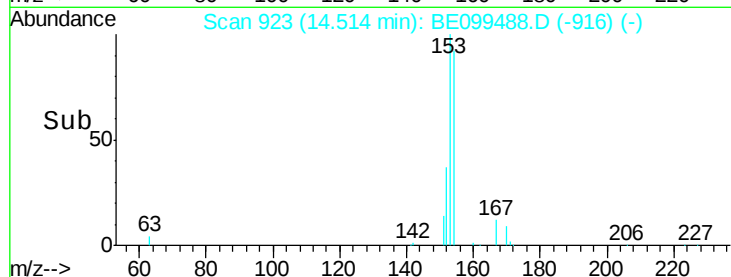
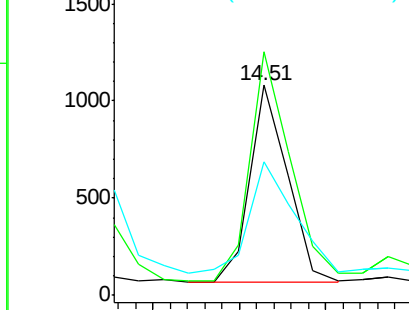
Tgt Ion	Ratio	Lower	Upper
154	100		
153	126.9	92.6	138.8
152	67.5	45.8	68.8

Manual Integrations
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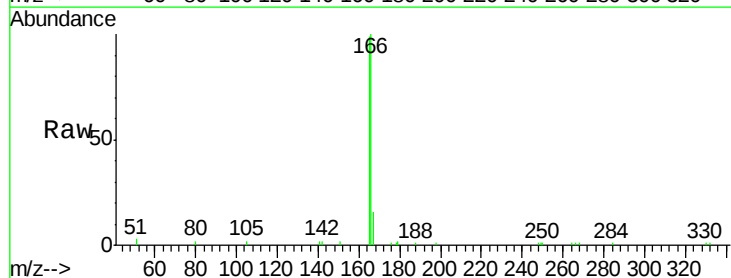


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

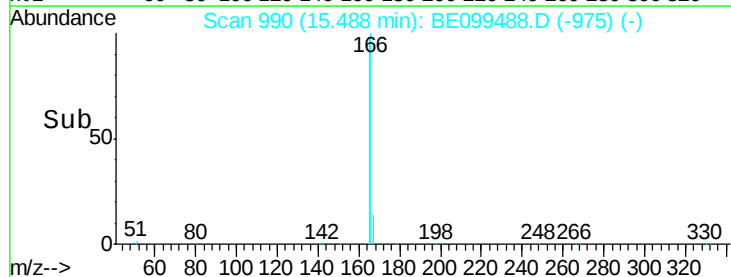
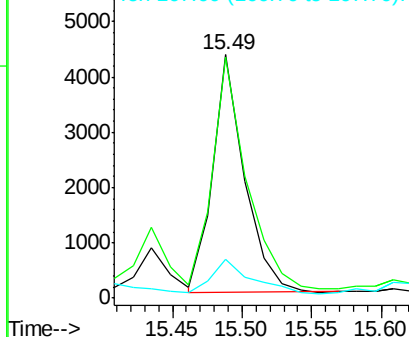


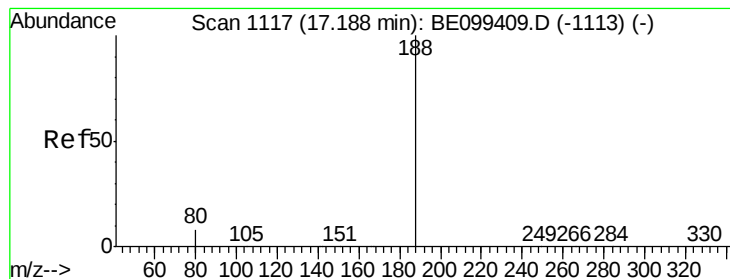
#18
Fluorene
Concen: 0.216 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.1	80.3	120.5
167	17.5	10.7	16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

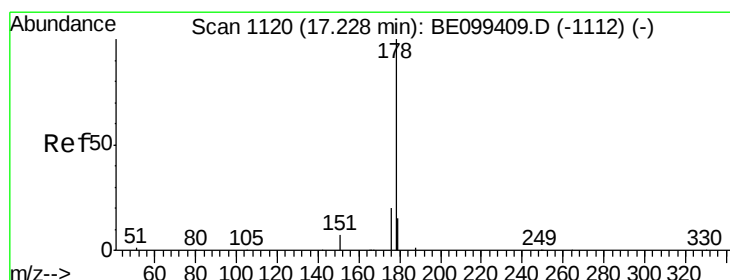
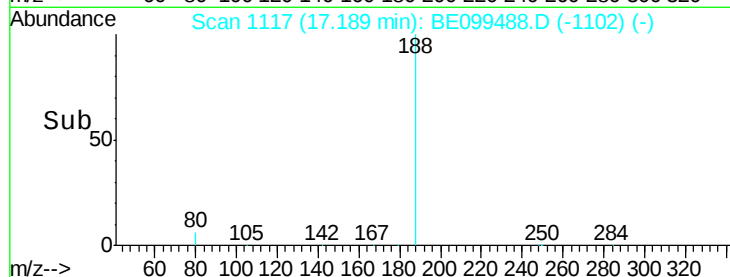
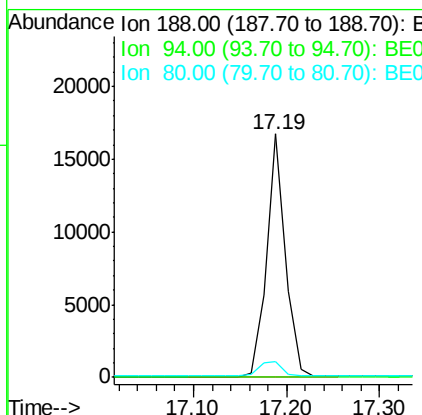
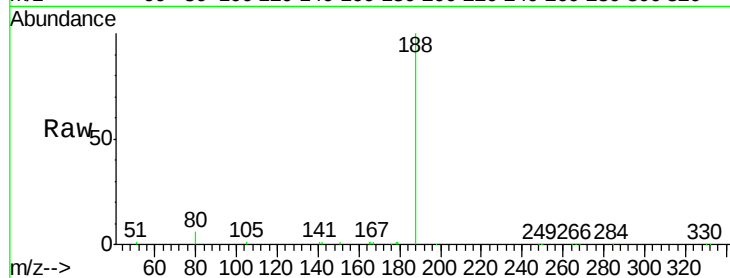
ClientSampleId :

PST-023-SW029-042319

Tgt Ion:	188	Resp:	23303
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.3	6.7	10.1#

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#23

Phenanthrene

Concen: 0.816 ng

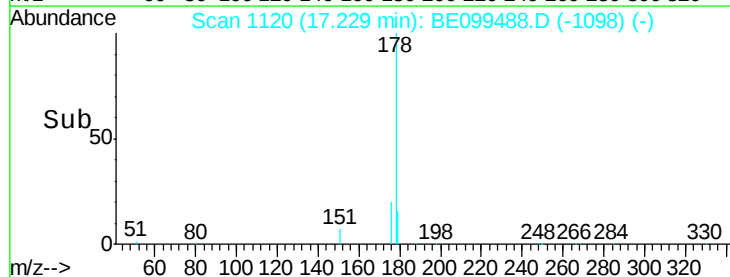
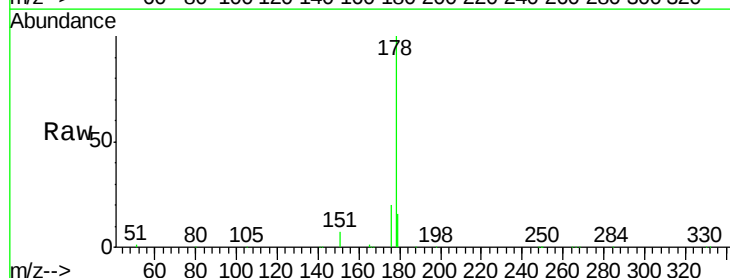
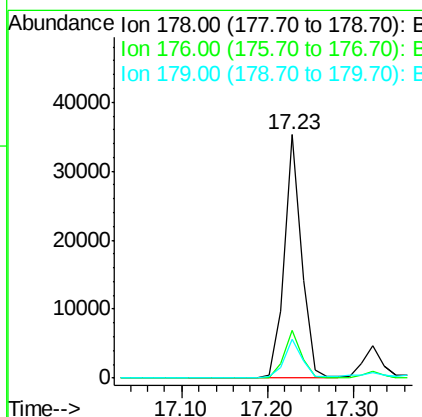
RT: 17.23 min Scan# 1120

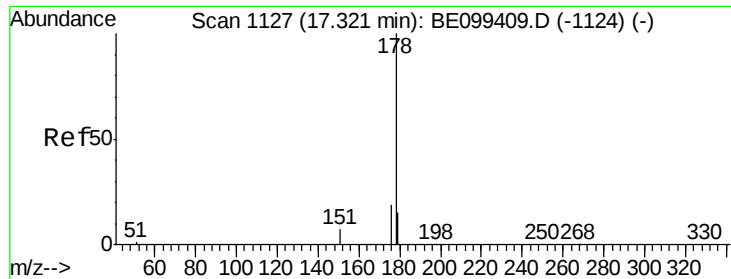
Delta R.T. 0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Tgt Ion:	178	Resp:	49061
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.6	23.4
179	15.8	12.0	18.0





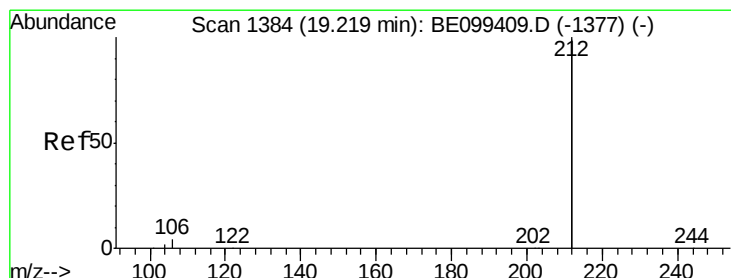
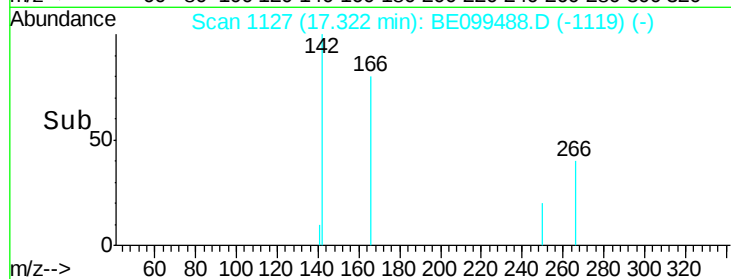
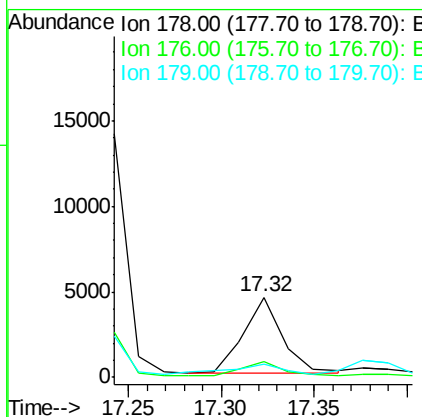
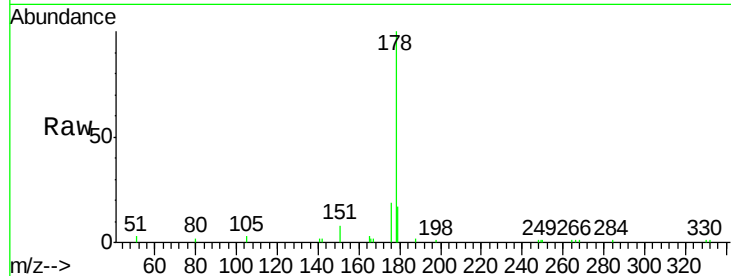
#24
 Anthracene
 Concen: 0.113 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW029-042319

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	17.2	11.9	17.9

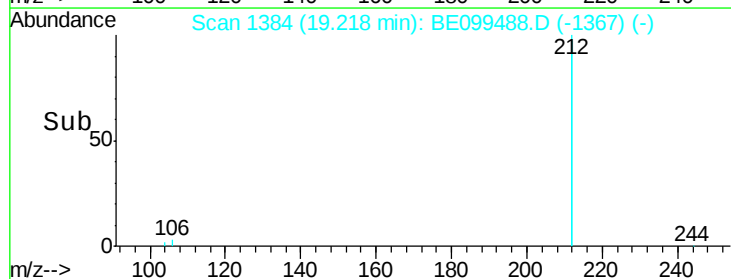
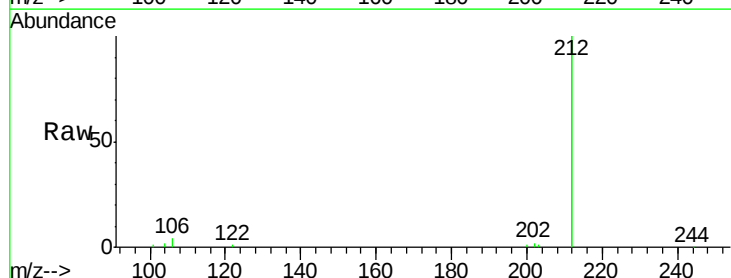
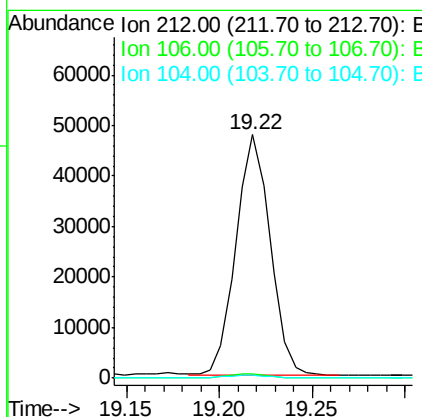
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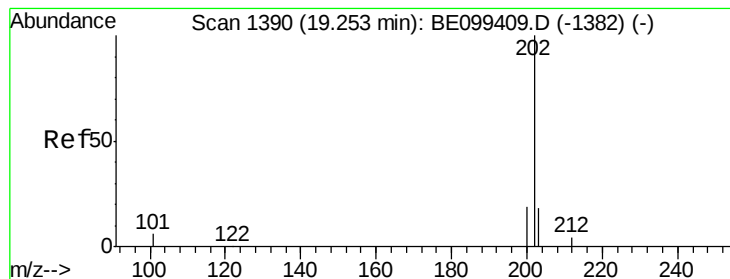
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#25
 Fluoranthene-d10
 Concen: 0.194 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

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





#26

Fluoranthene

Concen: 1.331 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

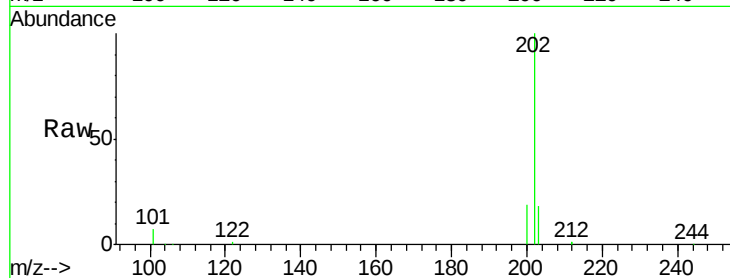
ClientSampleId :

PST-023-SW029-042319

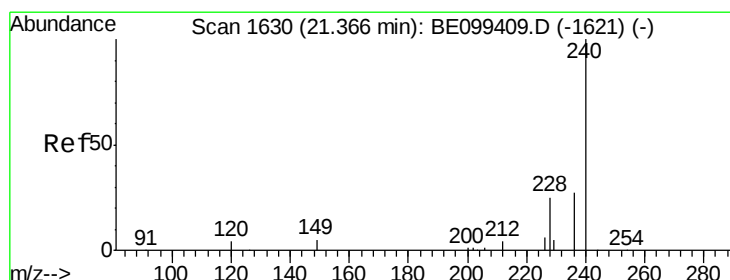
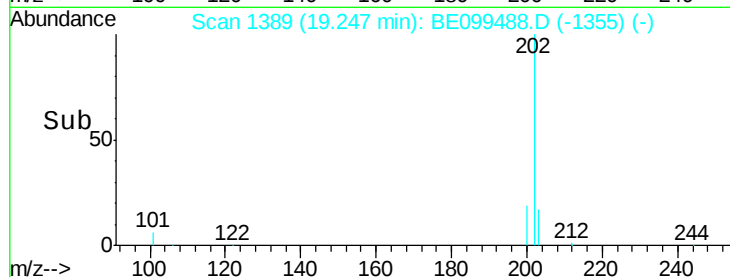
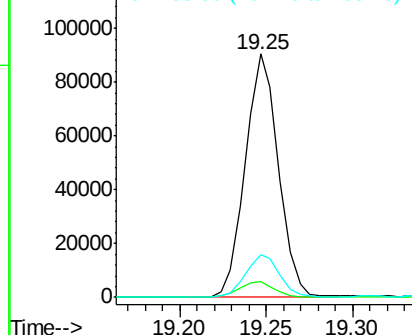
Tgt	Ion	202	Resp:	119910
Ion	Ratio	Lower	Upper	
202	100			
101	6.6	5.4	8.0	
203	17.5	13.9	20.9	

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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

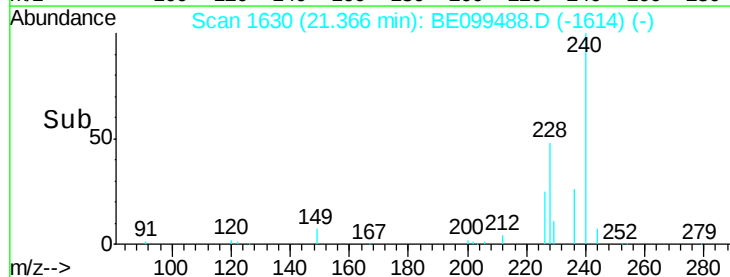
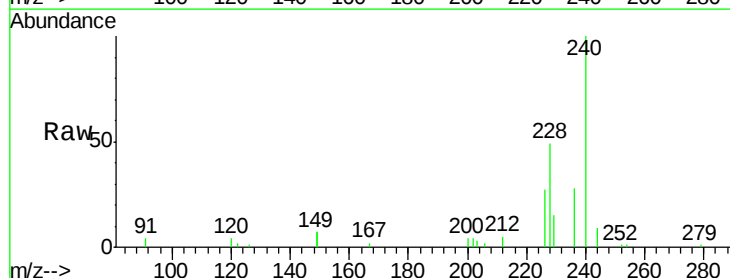
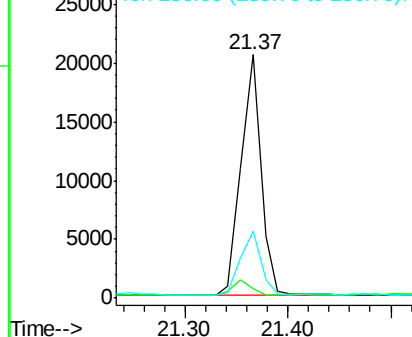
Delta R.T. -0.00 min

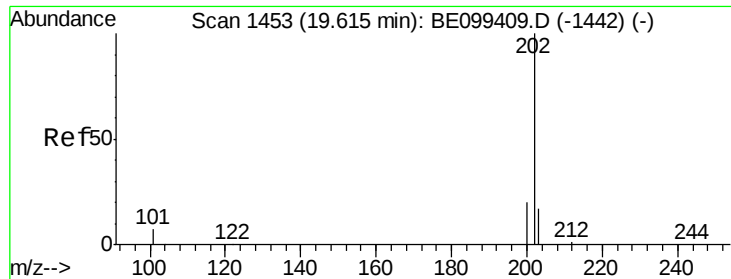
Lab File: BE099488.D

Acq: 2 May 2019 6:23

Tgt	Ion	240	Resp:	27590
Ion	Ratio	Lower	Upper	
240	100			
120	3.7	4.0	6.0#	
236	27.5	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





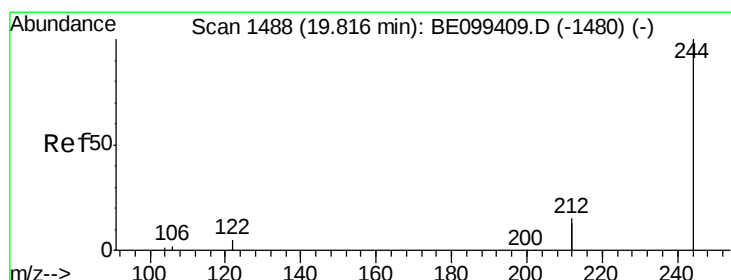
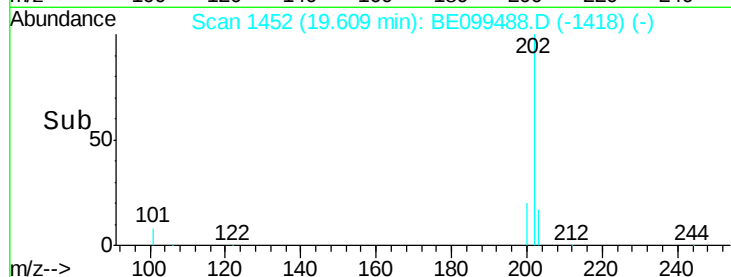
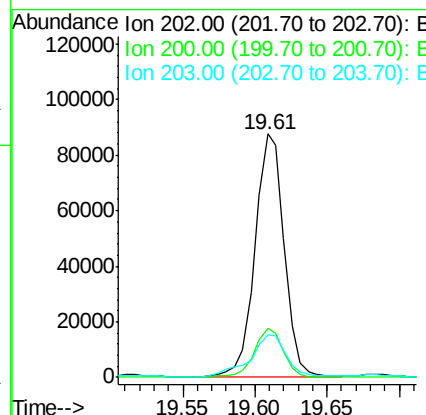
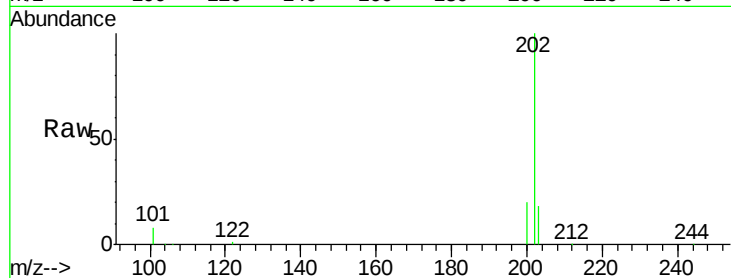
#28
 Pyrene
 Concen: 1.720 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW029-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.7	15.7	23.5
203	21.1	13.9	20.9

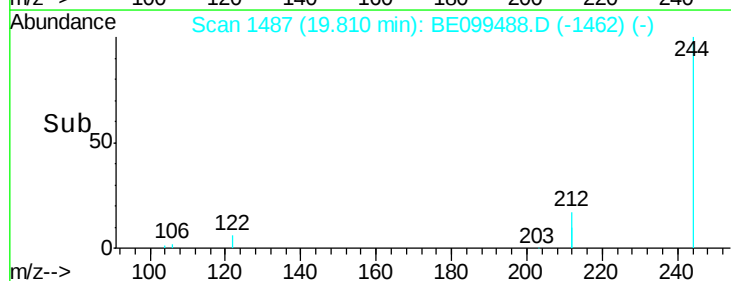
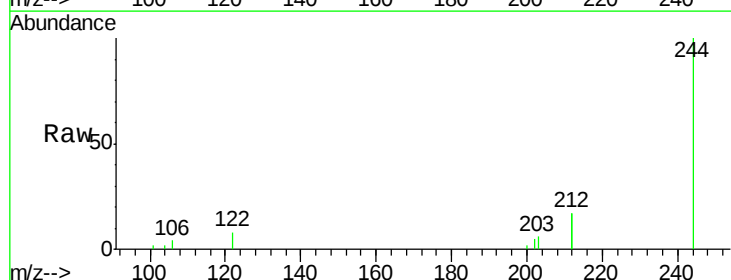
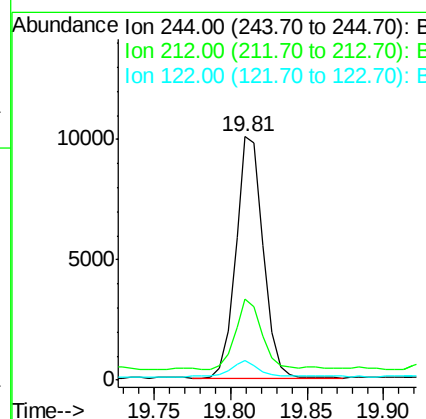
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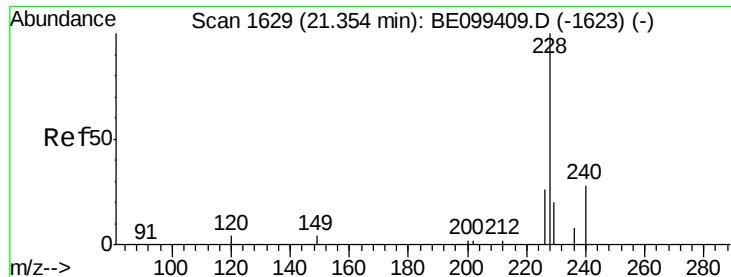
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#29
 Terphenyl-d14
 Concen: 0.247 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	33.5	23.2	34.8
122	8.0	4.2	6.4





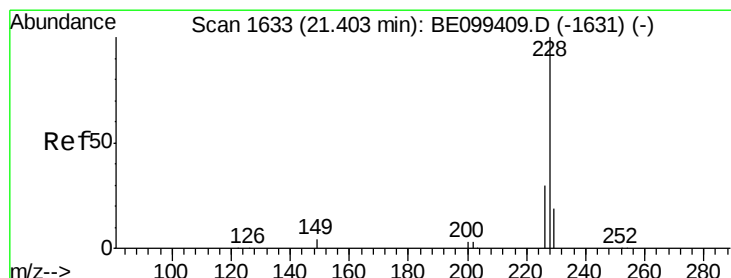
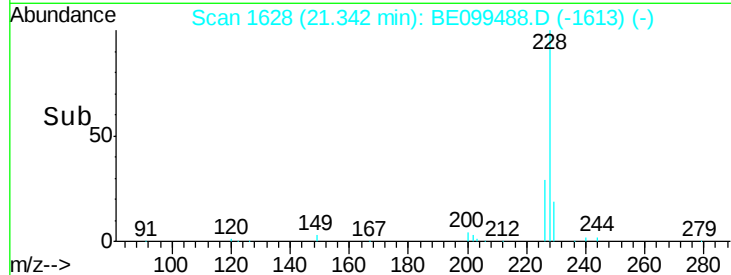
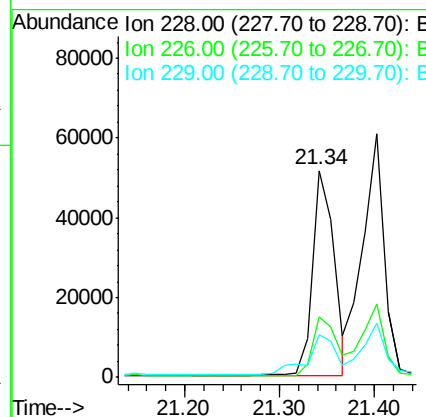
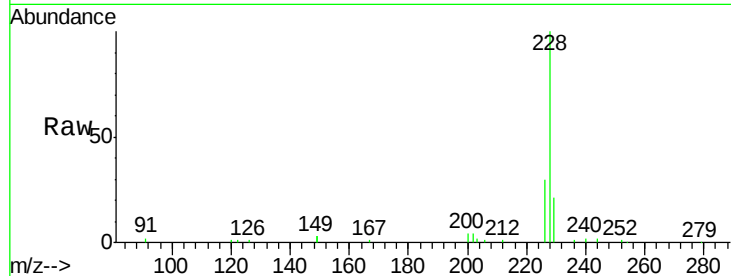
#30
Benzo(a)anthracene
Concen: 0.926 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Instrument :
BNA_E
ClientSampleId :
PST-023-SW029-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.0	31.6
229	20.9	16.6	25.0

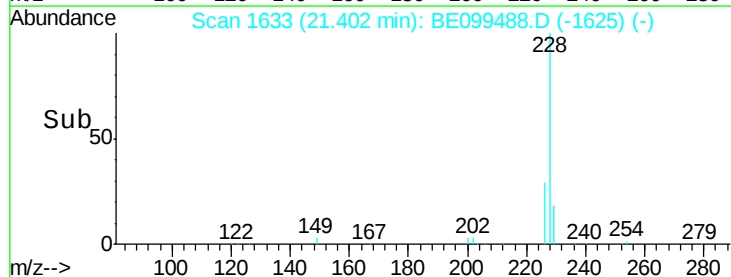
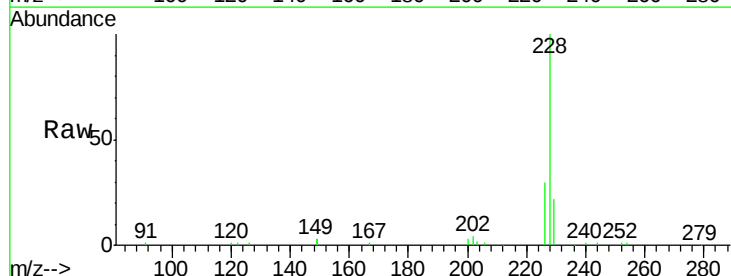
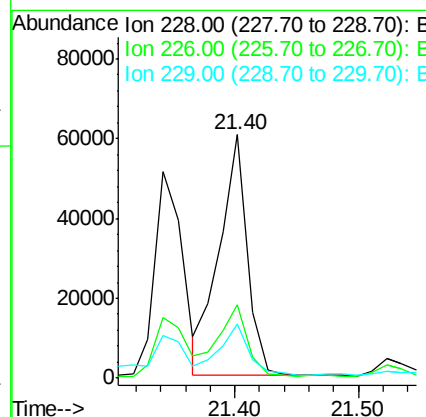
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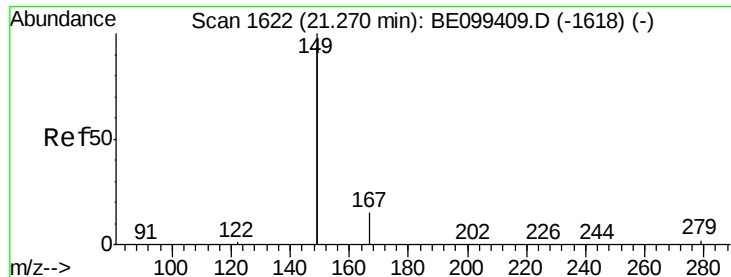
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#31
Chrysene
Concen: 1.118 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	22.4	15.8	23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.473 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

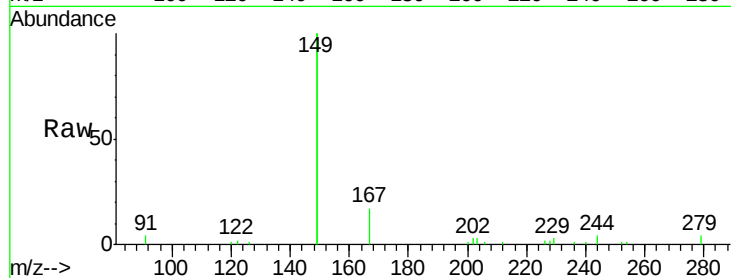
ClientSampleId :

PST-023-SW029-042319

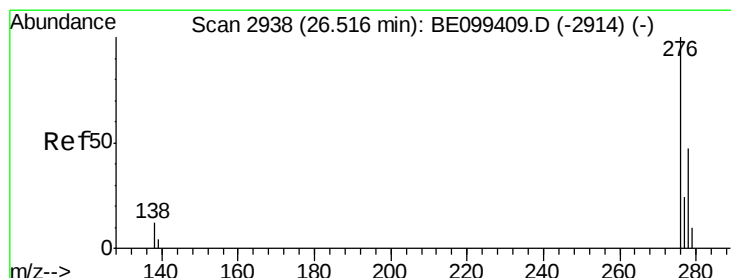
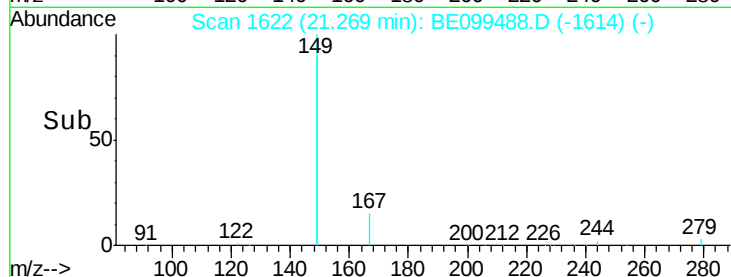
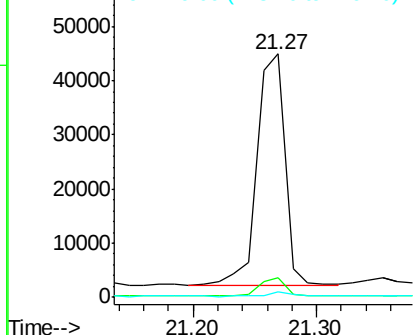
Tgt Ion:	149	Resp:	67509
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.6
279	1.5	1.0	1.6

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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: 0.702 ng

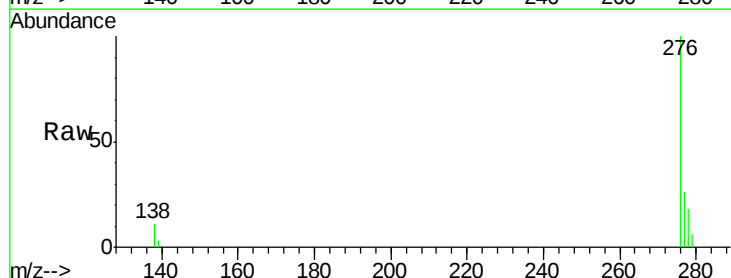
RT: 26.50 min Scan# 2933

Delta R.T. -0.02 min

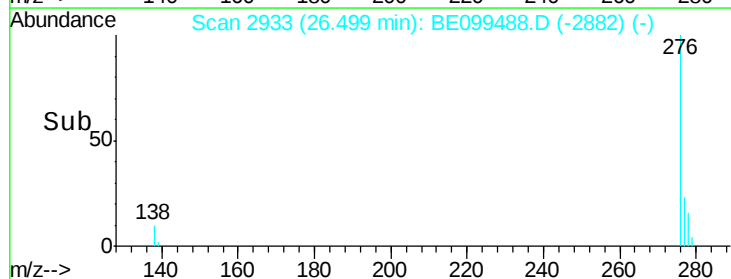
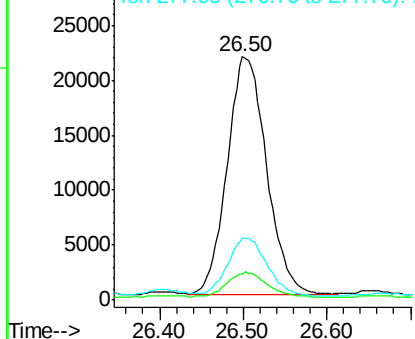
Lab File: BE099488.D

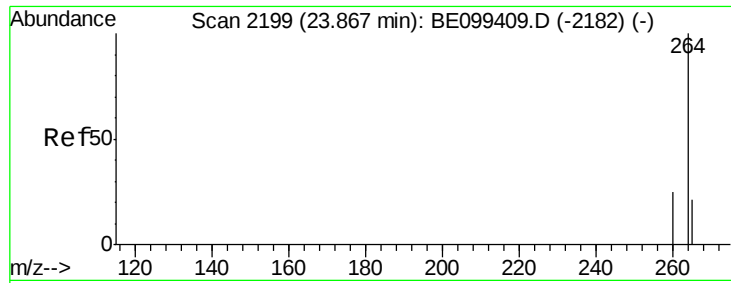
Acq: 2 May 2019 6:23

Tgt Ion:	276	Resp:	71356
Ion Ratio	Lower	Upper	
276	100		
138	10.8	10.2	15.2
277	24.5	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





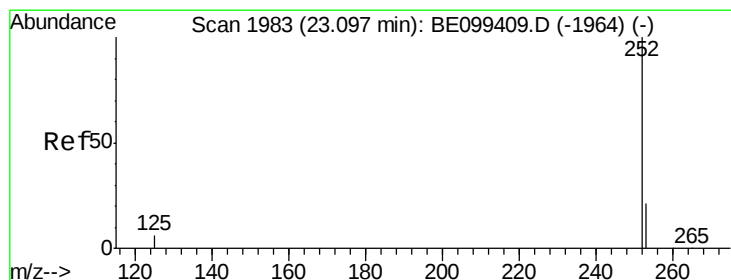
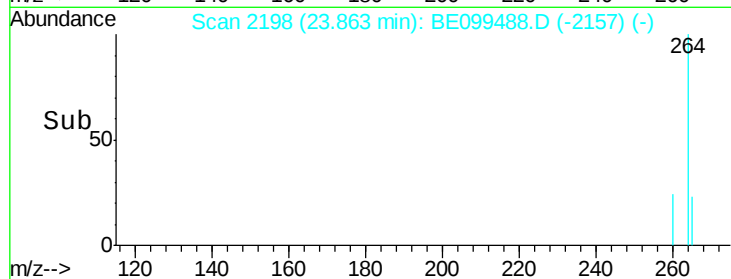
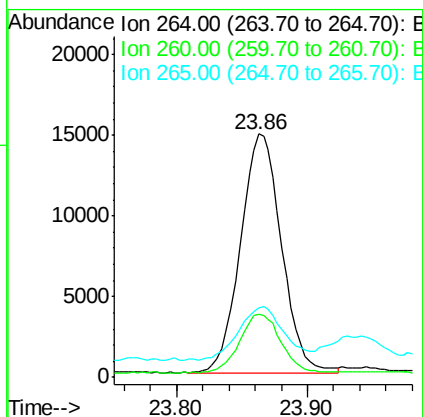
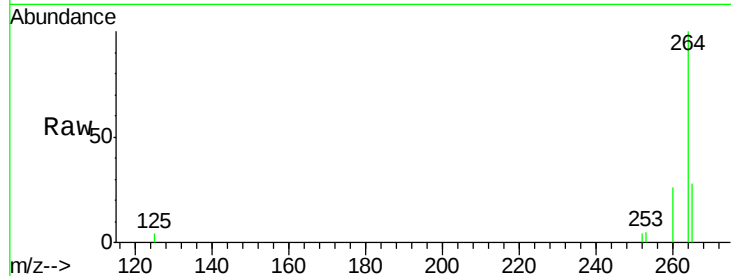
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW029-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.0	20.2	30.2
265	28.5	21.3	31.9

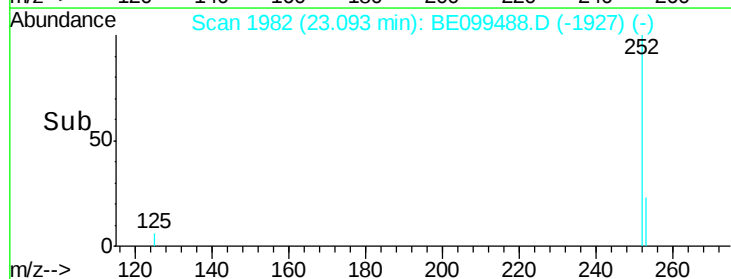
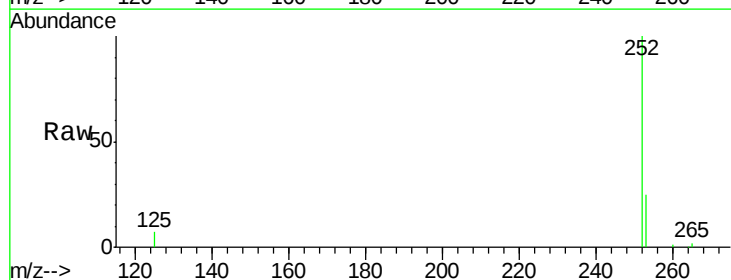
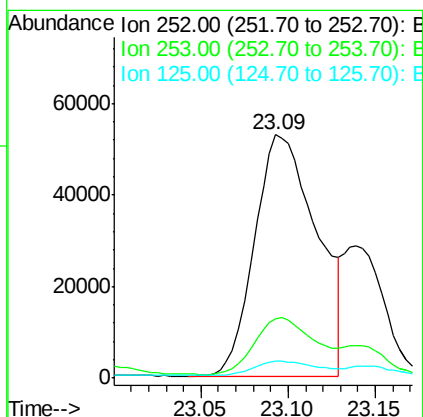
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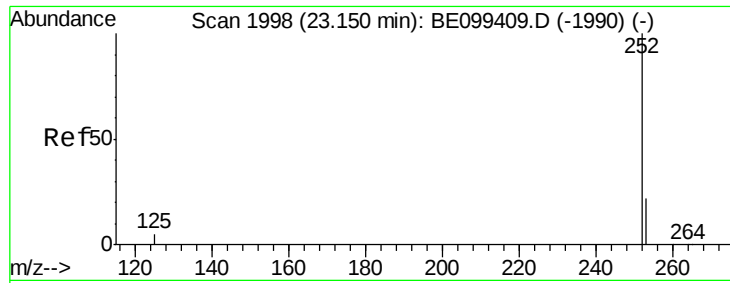
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#35
Benzo(b)fluoranthene
 Concen: 1.415 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099488.D
 Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.6	18.1	27.1
125	7.0	5.6	8.4





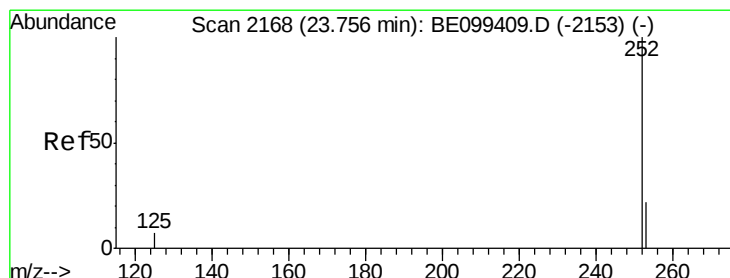
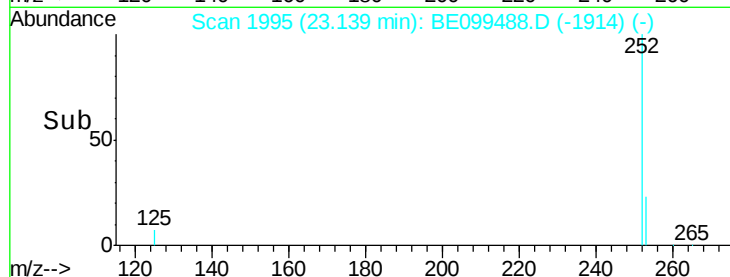
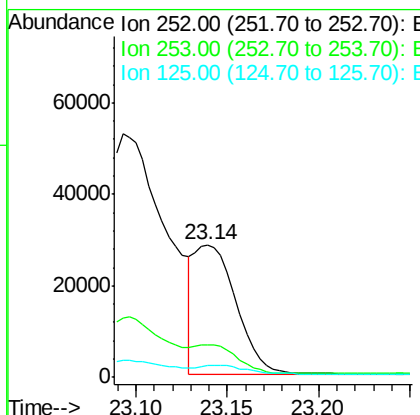
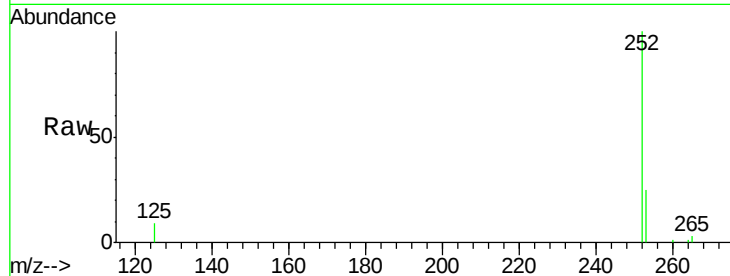
#36
Benzo(k)fluoranthene
Concen: 0.517 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Instrument :
BNA_E
ClientSampleId :
PST-023-SW029-042319

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	46156		
253	24.7	18.4	27.6	
125	8.8	5.0	7.4	

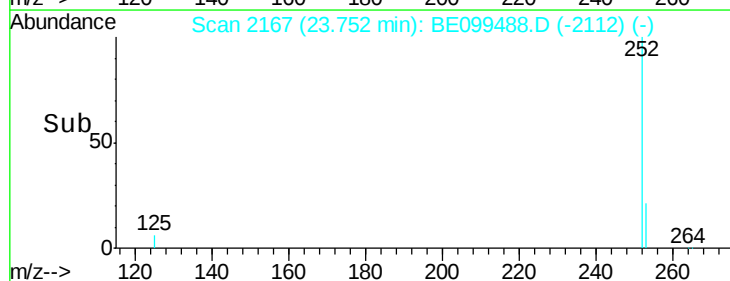
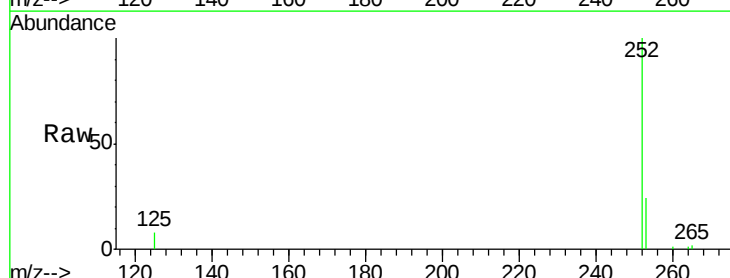
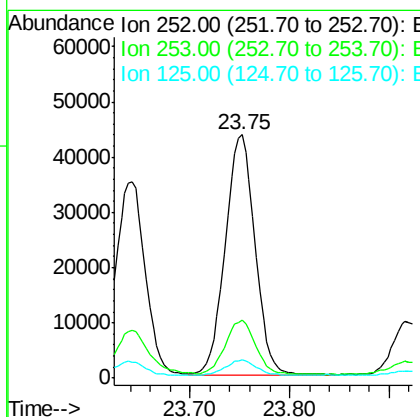
Manual Integrations
APPROVED

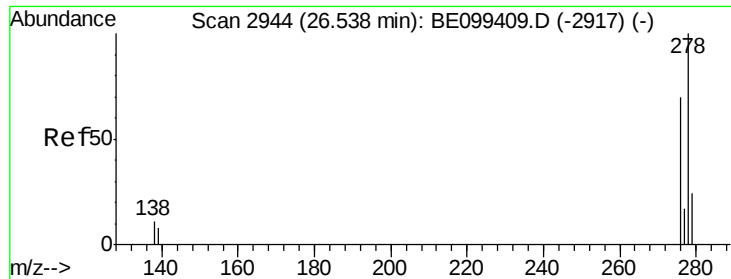
Sohil
5/2/2019 4:48:23 PM



#37
Benzo(a)pyrene
Concen: 1.027 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099488.D
Acq: 2 May 2019 6:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	89876		
253	23.6	18.9	28.3	
125	7.5	6.7	10.1	





#38

Dibenzo(a,h)anthracene

Concen: 0.201 ng

RT: 26.51 min Scan# 2937

Delta R.T. -0.02 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Instrument :

BNA_E

ClientSampleId :

PST-023-SW029-042319

Tgt Ion: 278 Resp: 17985

Ion Ratio Lower Upper

278 100

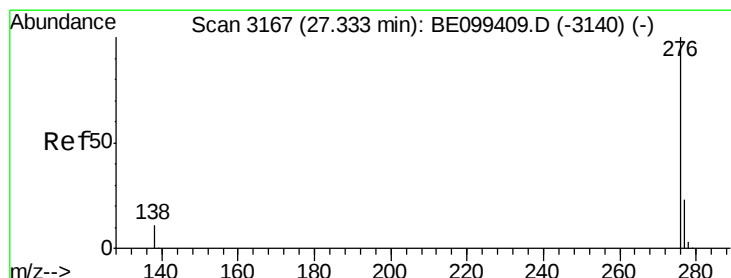
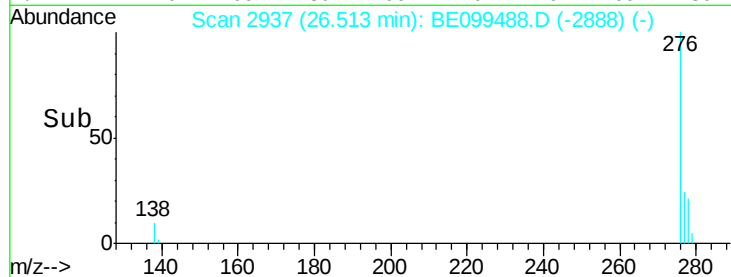
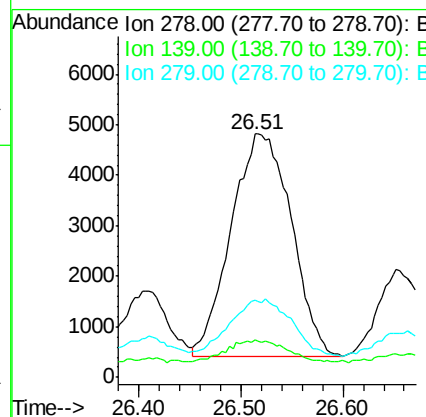
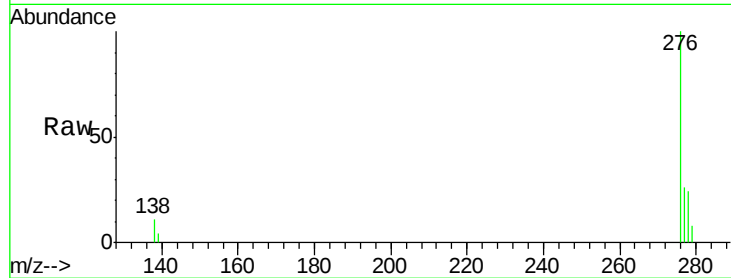
139 15.5 7.7 11.5#

279 31.9 20.2 30.2#

Manual Integrations
APPROVED

Sohil

5/2/2019 4:48:23 PM



#39

Benzo(g,h,i)perylene

Concen: 0.785 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BE099488.D

Acq: 2 May 2019 6:23

Tgt Ion: 276 Resp: 70404

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 11.3 9.6 14.4

