

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099544.D
 Acq On : 3 May 2019 23:44
 Operator : JU/SJ
 Sample : K2588-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B167-042319

Manual Integrations
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Quant Time: May 04 02:29:17 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	7.82	152	2290	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8921	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6937	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	19612	0.40	ng	0.01
27) Chrysene-d12	21.38	240	22277	0.40	ng	0.01
34) Perylene-d12	23.89	264	26806	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2516	0.40	ng	0.00
5) Phenol-d6	6.98	99	3758	0.45	ng	0.00
8) Nitrobenzene-d5	8.96	82	3258	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	6075	0.38	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1989	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	9147	0.35	ng	0.00
25) Fluoranthene-d10	19.23	212	79513	0.30	ng	0.01
29) Terphenyl-d14	19.82	244	16606	0.41	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	5439	0.056	ng	# 96
12) 2-Methylnaphthalene	12.28	142	911	0.054	ng	89
16) Acenaphthylene	14.18	152	4349	0.128	ng	98
17) Acenaphthene	14.53	154	460	0.024	ng	94
18) Fluorene	15.50	166	1480	0.052	ng	# 88
23) Phenanthrene	17.24	178	49787	0.984	ng	99
24) Anthracene	17.34	178	4688	0.097	ng	# 90
26) Fluoranthene	19.26	202	127183	1.678	ng	99
28) Pyrene	19.62	202	120489	2.075	ng	97
30) Benzo(a)anthracene	21.35	228	62932	0.887	ng	93
31) Chrysene	21.41	228	79505	1.145	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	34940	0.277	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	42577	0.519	ng	# 94
35) Benzo(b)fluoranthene	23.11	252	103572	1.340	ng	# 95
36) Benzo(k)fluoranthene	23.16	252	36538m	0.490	ng	
37) Benzo(a)pyrene	23.77	252	63119	0.864	ng	# 95
38) Dibenzo(a,h)anthracene	26.56	278	9547	0.128	ng	# 61
39) Benzo(g,h,i)perylene	27.38	276	38177	0.510	ng	# 89

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

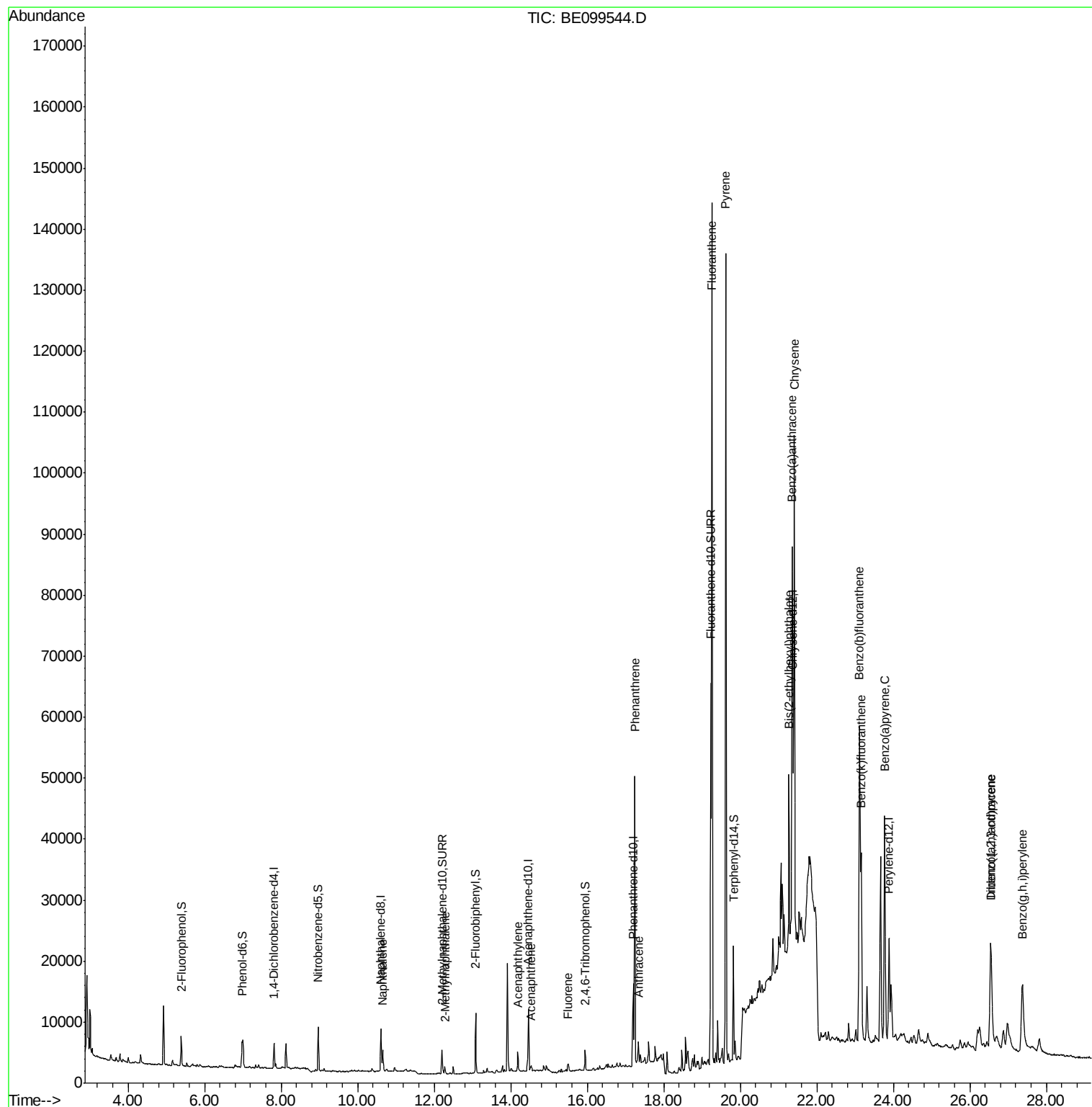
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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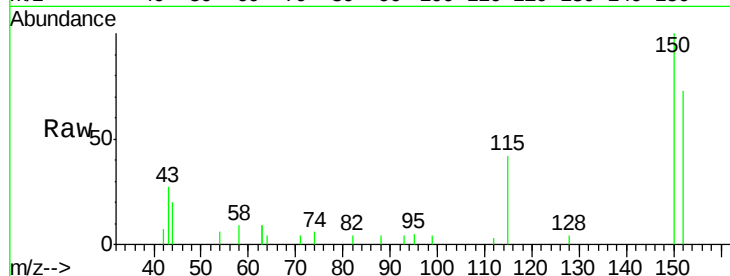




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

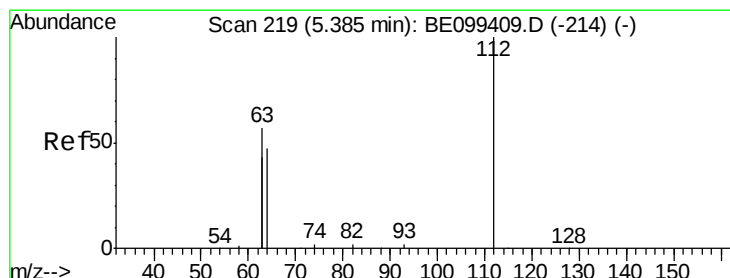
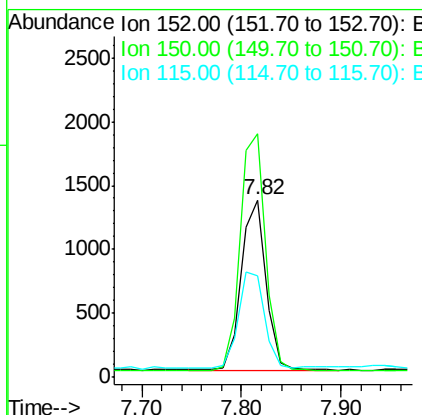
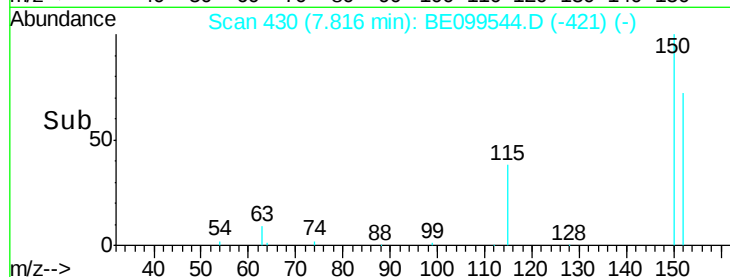
Instrument :
BNA_E
ClientSampleId :
PST-004-B167-042319



Tgt Ion:152 Resp: 2290
Ion Ratio Lower Upper
152 100
150 137.5 104.8 157.2
115 57.1 46.6 69.8

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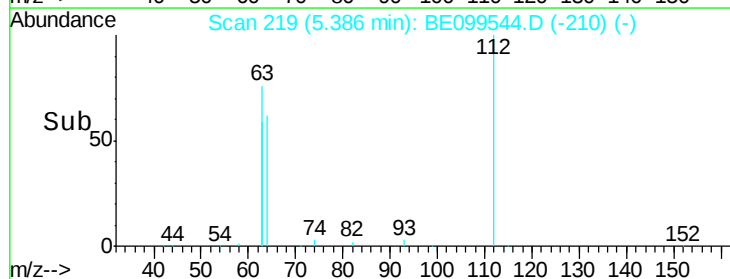
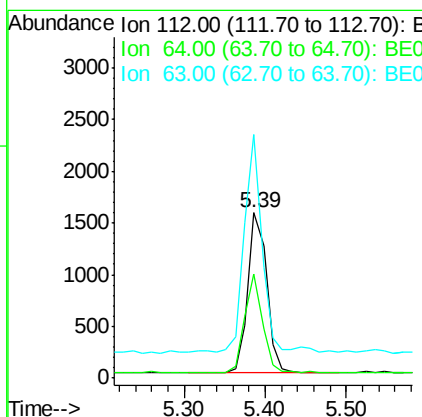
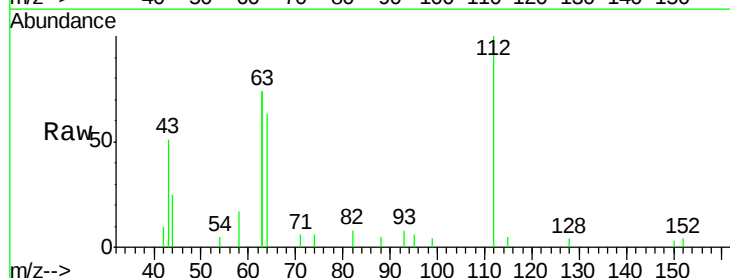
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#4

2-Fluorophenol
Concen: 0.397 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Tgt Ion:112 Resp: 2516
Ion Ratio Lower Upper
112 100
64 57.3 47.4 71.0
63 124.5 104.3 156.5





#5

Phenol-d6

Concen: 0.446 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Instrument :

BNA_E

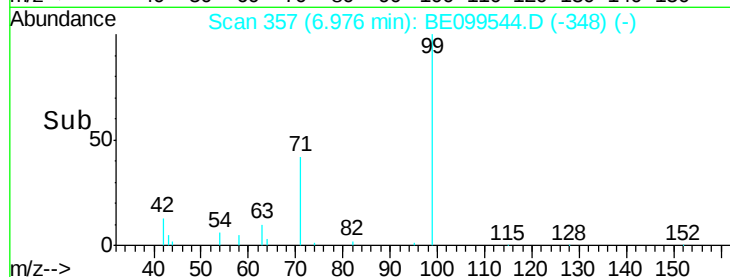
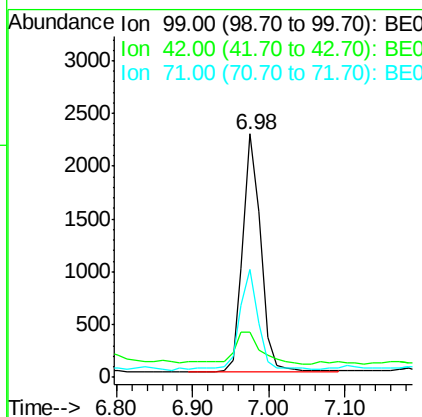
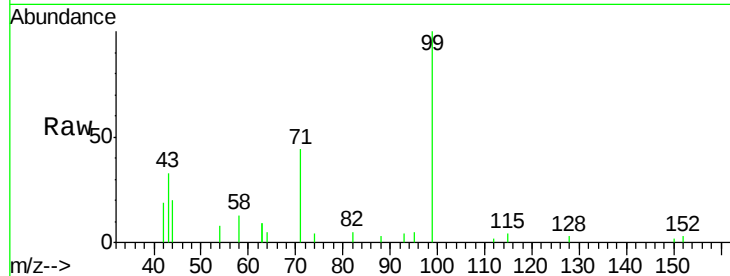
ClientSampleId :

PST-004-B167-042319

Tgt Ion:	99	Resp:	3758
Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.9	22.3
71	42.2	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

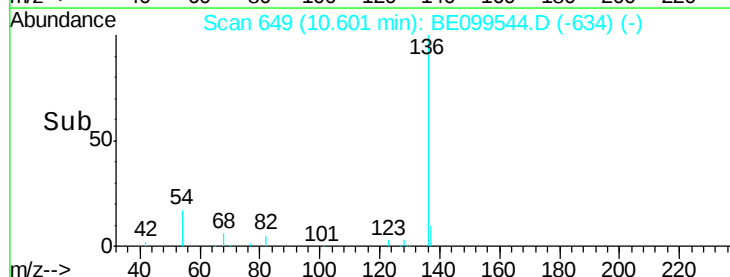
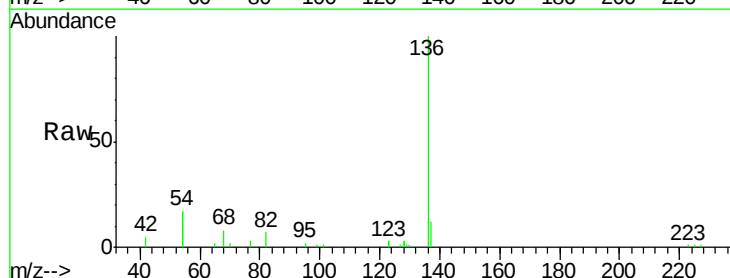
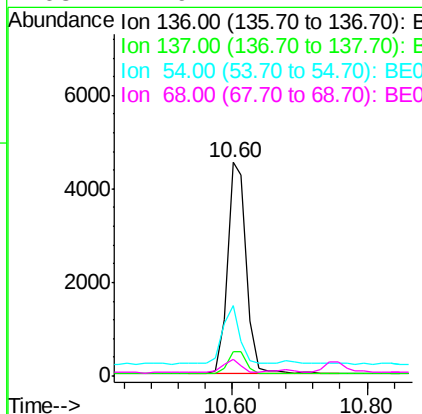
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Tgt Ion:	136	Resp:	8921
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	33.2	18.5	27.7#
68	7.9	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Instrument :

BNA_E

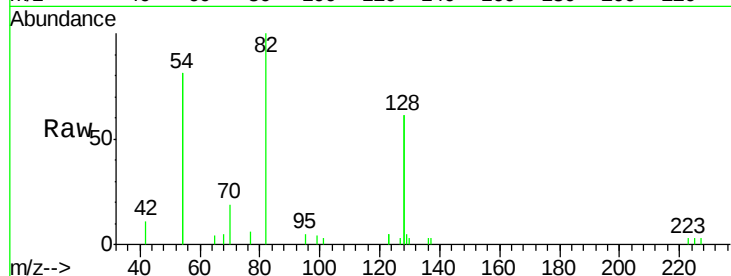
ClientSampleId :

PST-004-B167-042319

Tgt Ion:	82	Resp:	3258
Ion	Ratio	Lower	Upper
82	100		
128	122.8	107.0	160.4
54	162.7	113.1	169.7

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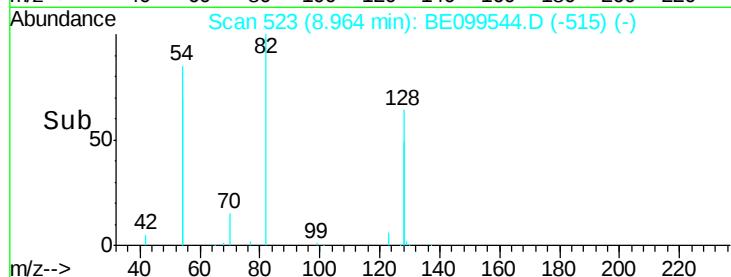


Abundance Ion 82.00 (81.70 to 82.70): BE099544.D (-515) (-)

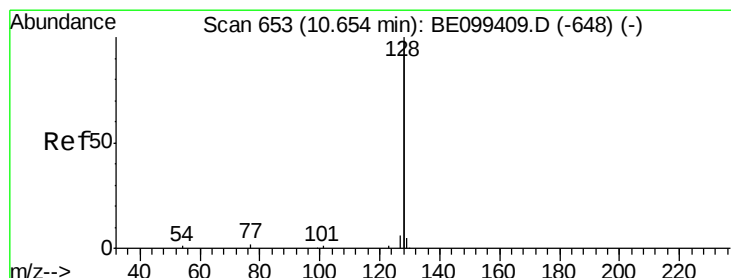
Ion 128.00 (127.70 to 128.70): BE099544.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099544.D (-515) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.056 ng

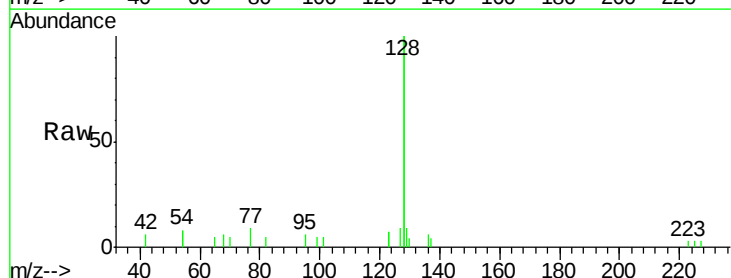
RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Tgt Ion:	128	Resp:	5439
Ion	Ratio	Lower	Upper
128	100		
129	4.7	2.4	3.6#
127	4.7	2.8	4.2#

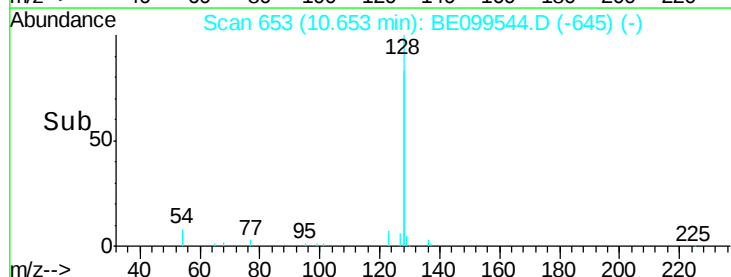


Abundance Ion 128.00 (127.70 to 128.70): BE099544.D (-645) (-)

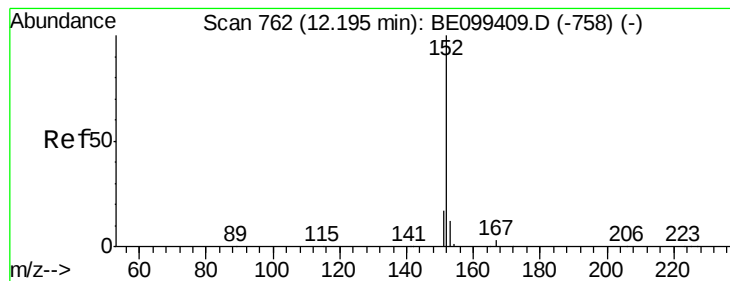
Ion 129.00 (128.70 to 129.70): BE099544.D (-645) (-)

Ion 127.00 (126.70 to 127.70): BE099544.D (-645) (-)

Time-->



Time-->



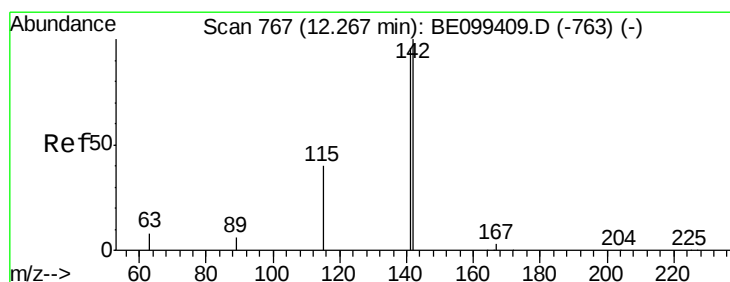
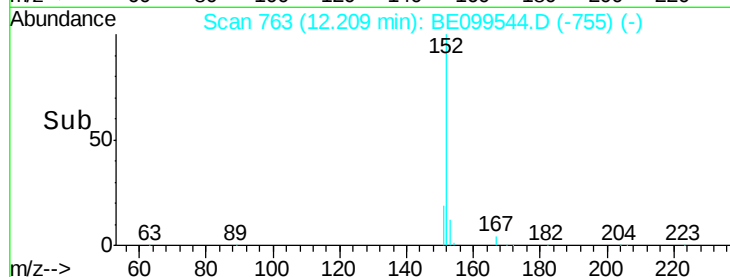
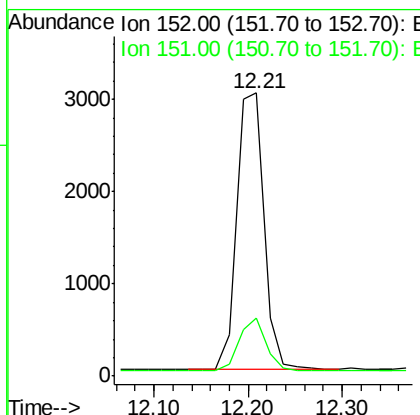
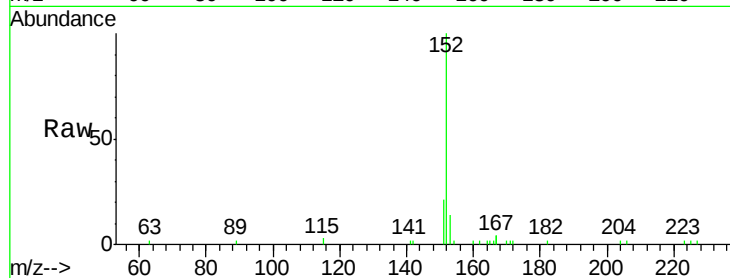
#11
 2-Methylnaphthalene-d10
 Concen: 0.378 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B167-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.5	23.3

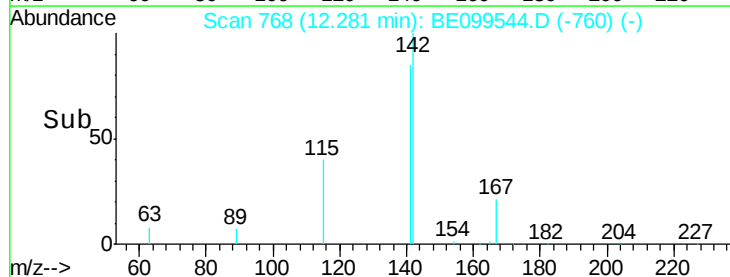
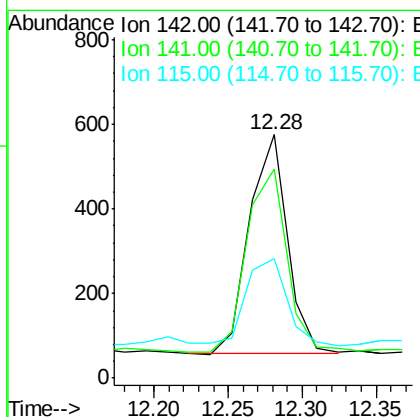
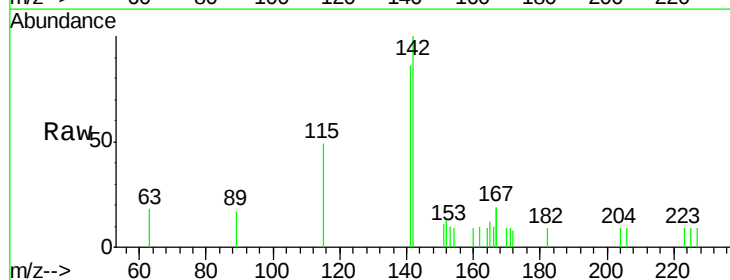
Manual Integrations
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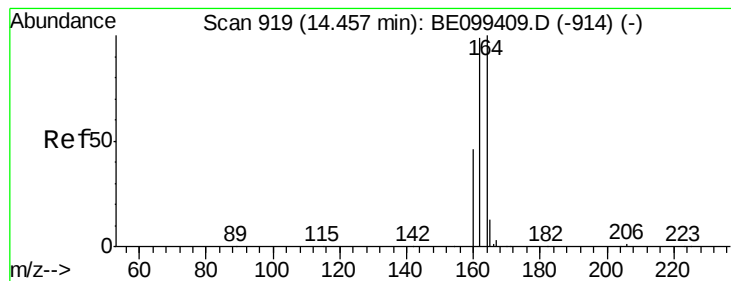
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#12
 2-Methylnaphthalene
 Concen: 0.054 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.9	77.0	115.4
115	49.0	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: BE099544.D

Acq: 3 May 2019 23:44

Instrument :

BNA_E

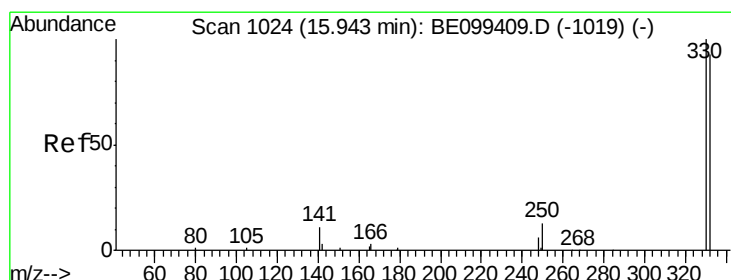
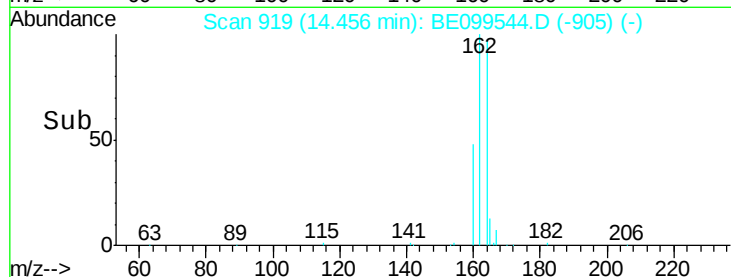
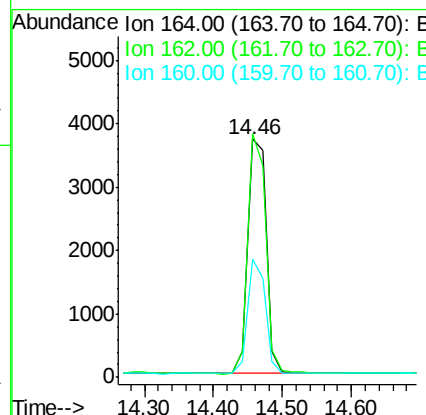
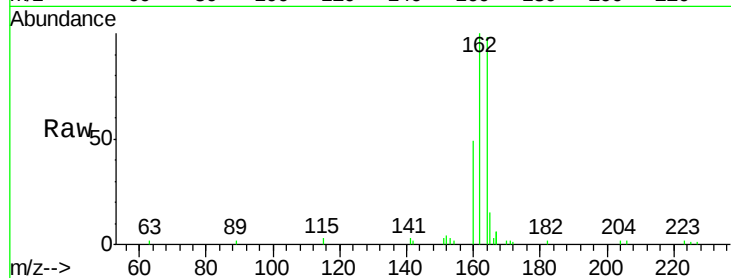
ClientSampleId :

PST-004-B167-042319

Tgt Ion:	164	Resp:	6937
Ion Ratio	Lower	Upper	
164	100		
162	102.3	79.0	118.4
160	49.9	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.455 ng

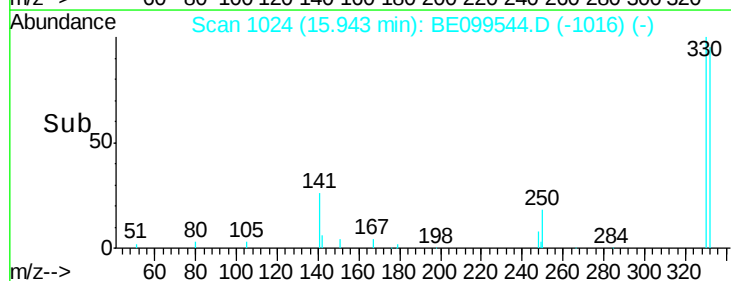
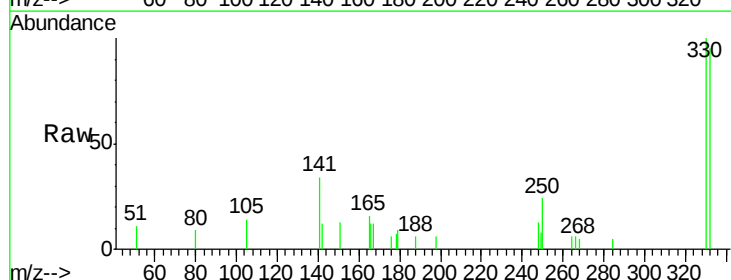
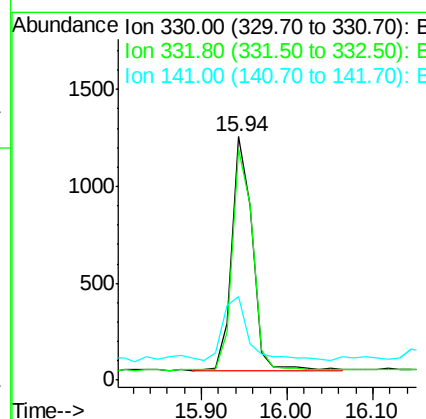
RT: 15.94 min Scan# 1024

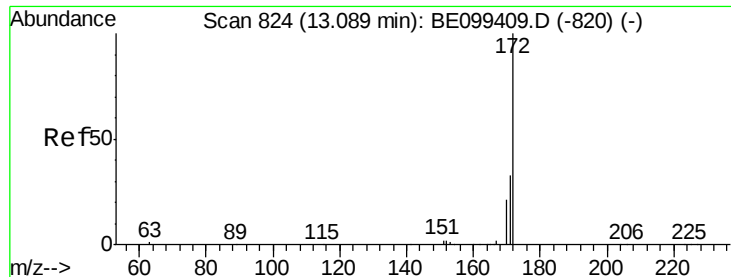
Delta R.T. 0.00 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Tgt Ion:	330	Resp:	1989
Ion Ratio	Lower	Upper	
330	100		
332	98.2	71.5	107.3
141	34.0	24.0	36.0





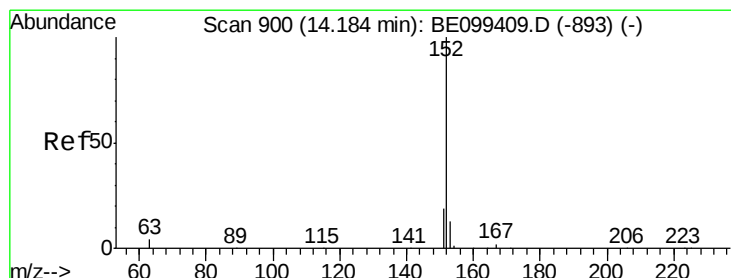
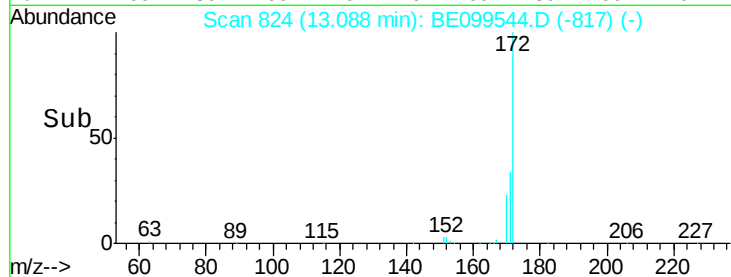
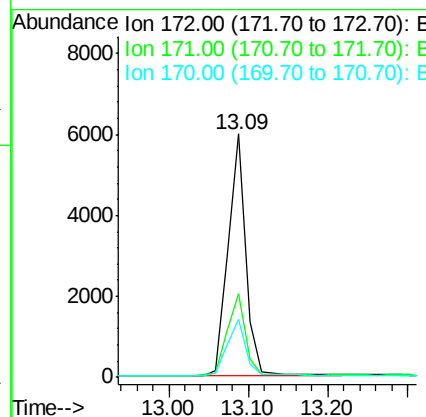
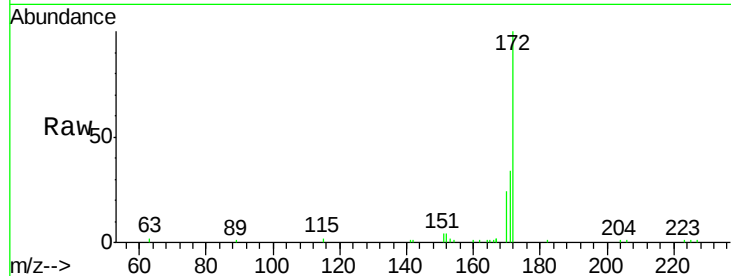
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Instrument :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.6	39.8
170	23.6	17.0	25.6

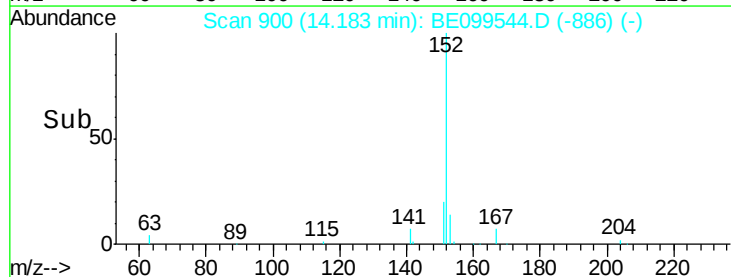
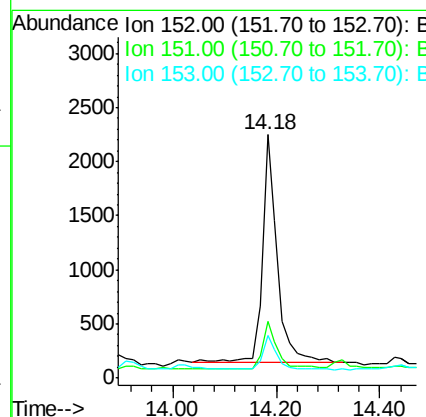
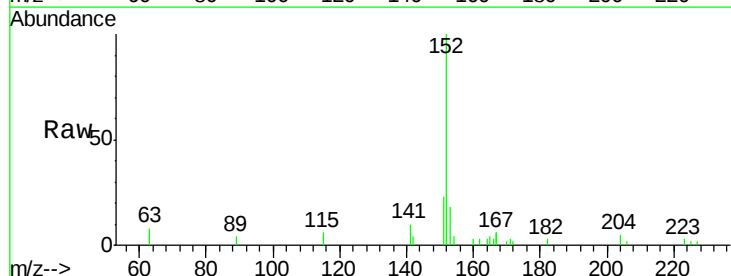
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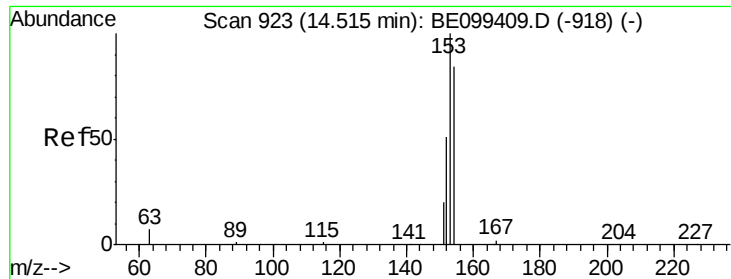
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#16
Acenaphthylene
Concen: 0.128 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	14.0	9.8	14.6





#17

Acenaphthene

Concen: 0.024 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Instrument :

BNA_E

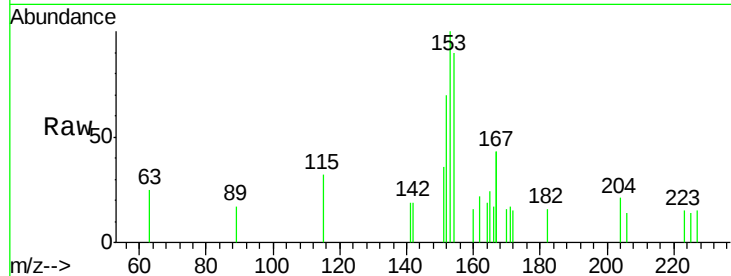
ClientSampleId :

PST-004-B167-042319

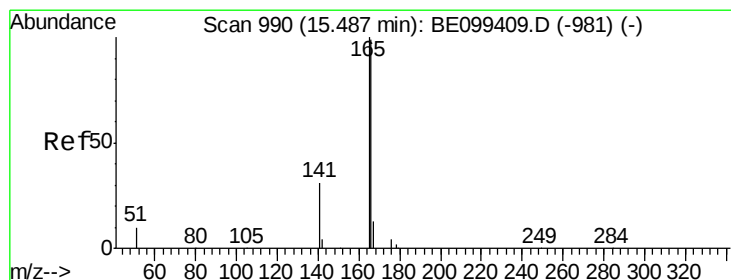
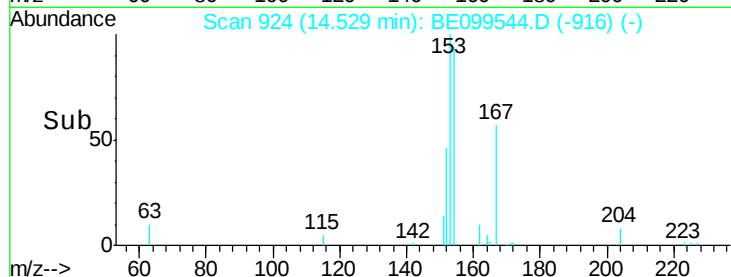
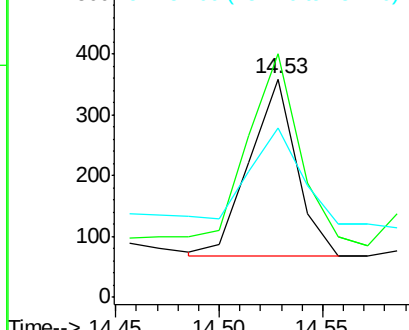
Tgt Ion:	154	Resp:	460
Ion Ratio	Lower	Upper	
154	100		
153	106.7	92.6	138.8
152	59.3	45.8	68.8

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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: 0.052 ng

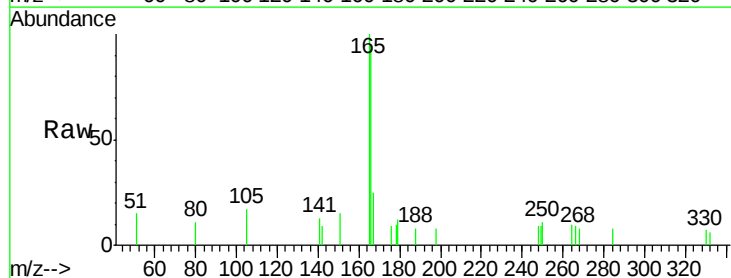
RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

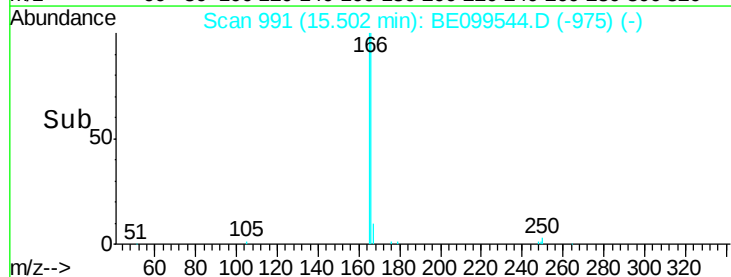
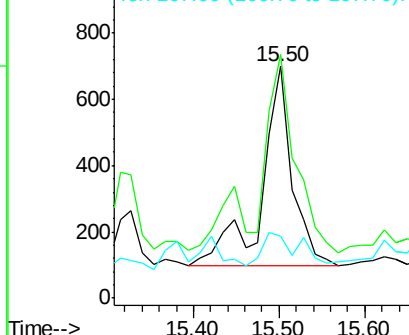
Lab File: BE099544.D

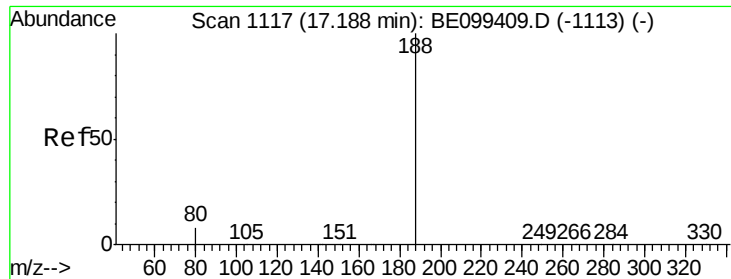
Acq: 3 May 2019 23:44

Tgt Ion:	166	Resp:	1480
Ion Ratio	Lower	Upper	
166	100		
165	89.7	80.3	120.5
167	21.1	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





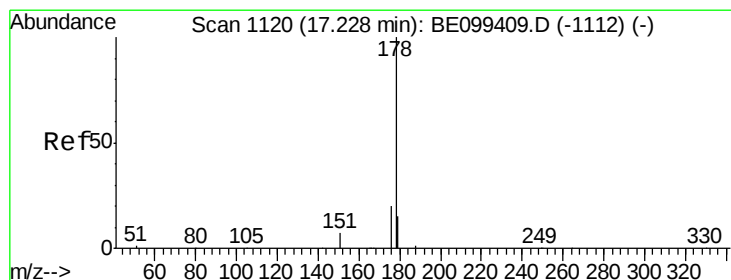
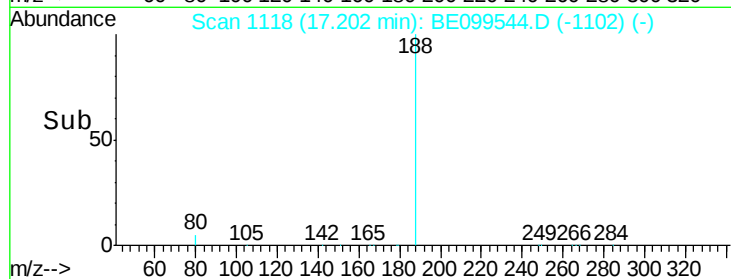
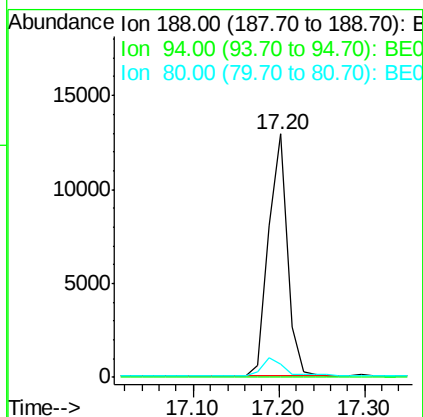
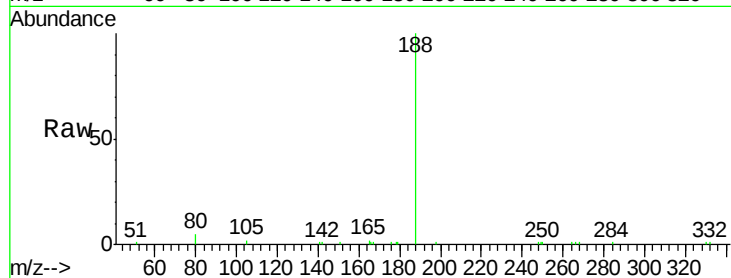
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Instrument :
BNA_E
ClientSampleId :
PST-004-B167-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	5.4	6.7	10.1

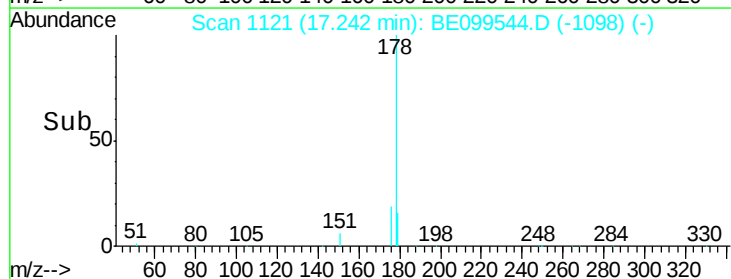
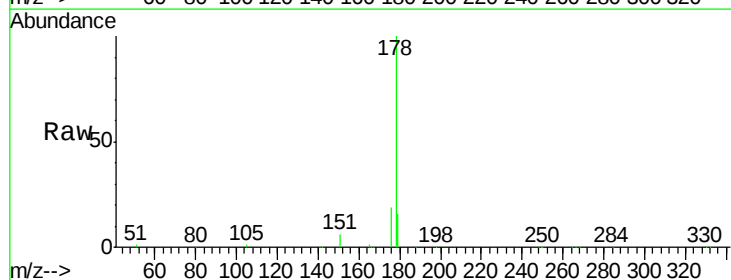
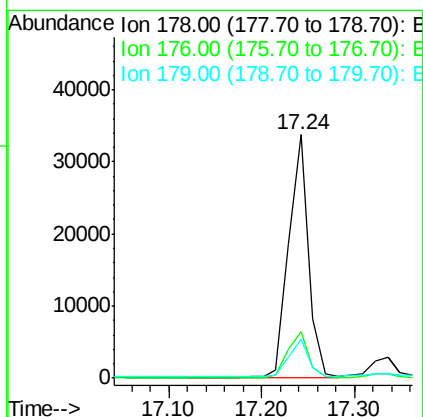
Manual Integrations
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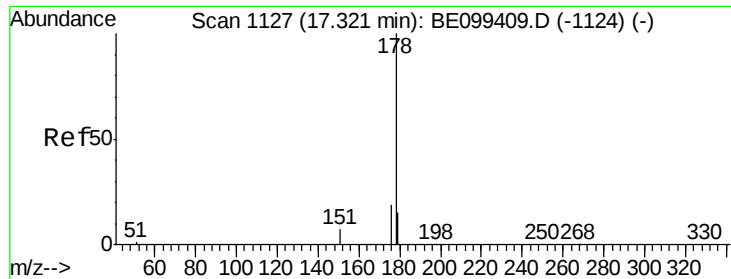
mohammad
5/7/2019 11:57:24 PM



#23
Phenanthrene
Concen: 0.984 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.6	23.4
179	15.8	12.0	18.0





#24

Anthracene

Concen: 0.097 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Instrument :

BNA_E

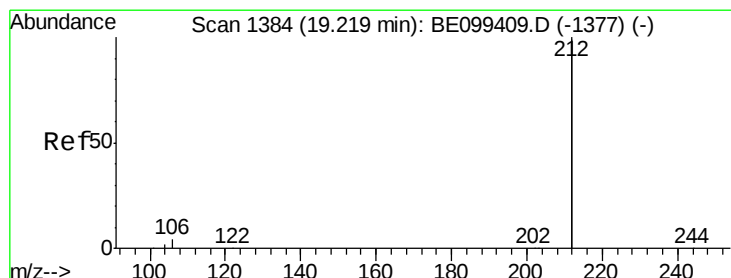
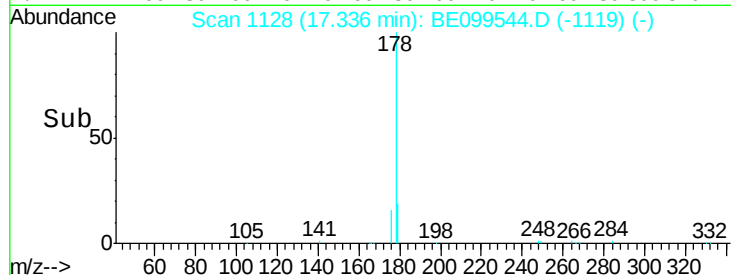
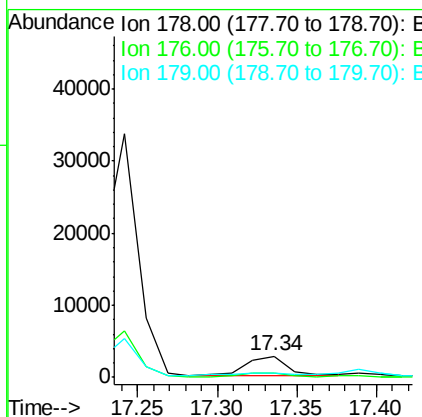
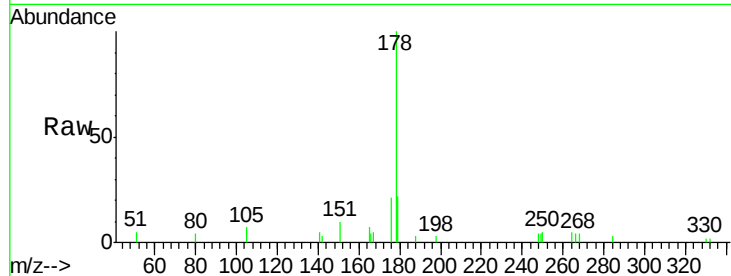
ClientSampleId :

PST-004-B167-042319

Tgt Ion:	178	Resp:	4688
Ion Ratio	Lower	Upper	
178	100		
176	19.4	14.9	22.3
179	23.3	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.301 ng

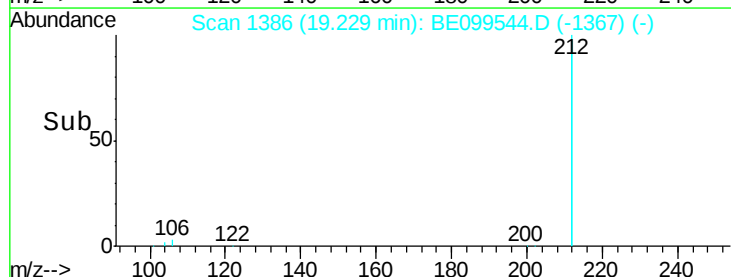
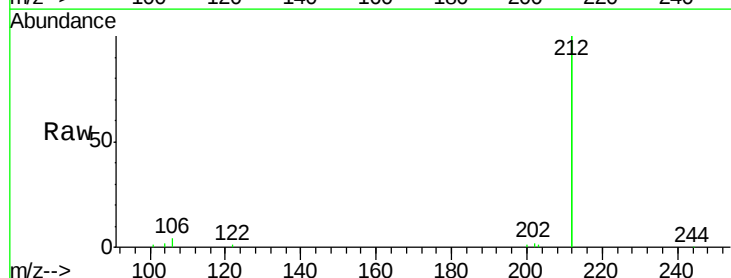
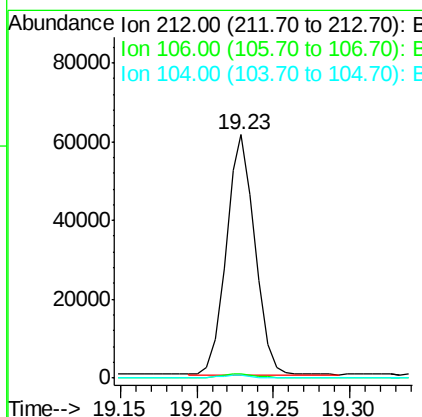
RT: 19.23 min Scan# 1386

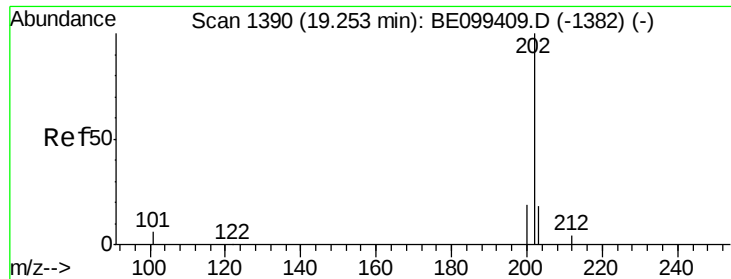
Delta R.T. 0.01 min

Lab File: BE099544.D

Acq: 3 May 2019 23:44

Tgt Ion:	212	Resp:	79513
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.5	2.3
104	1.0	0.9	1.3





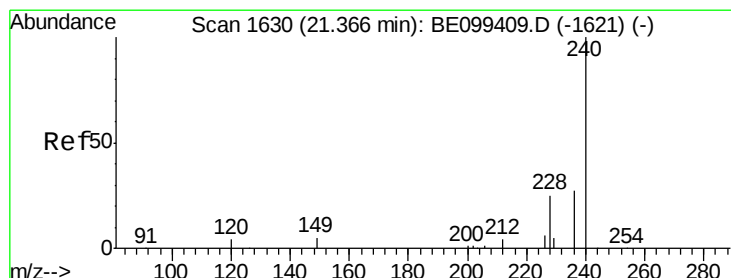
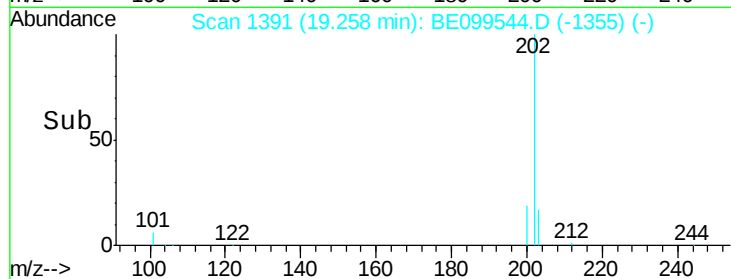
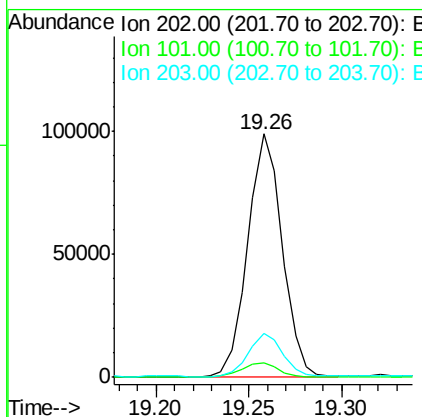
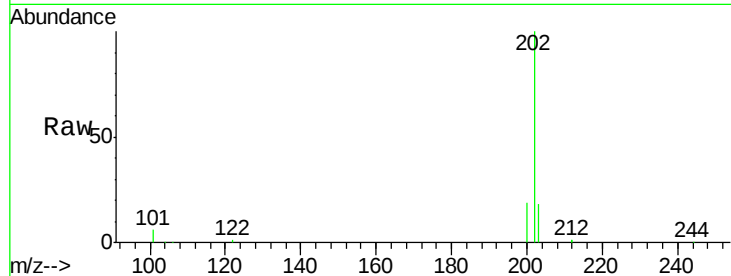
#26
Fluoranthene
 Concen: 1.678 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B167-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.2	5.4	8.0
203	17.6	13.9	20.9

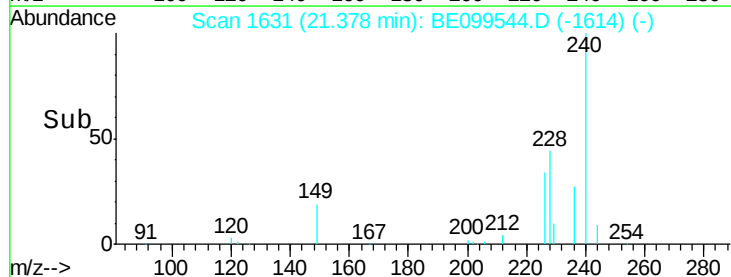
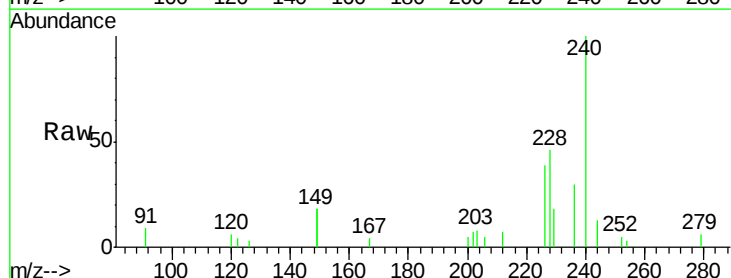
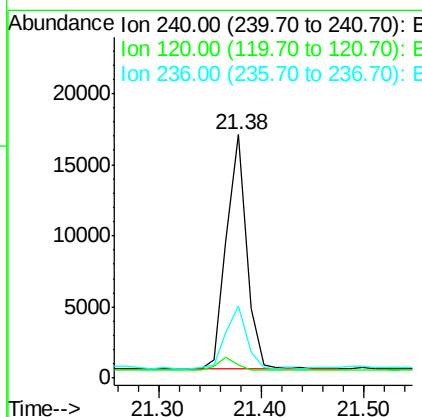
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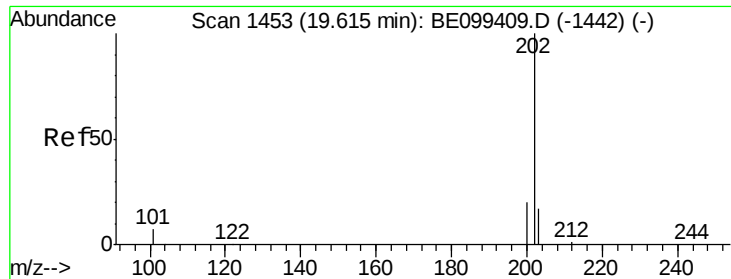
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.6	4.0	6.0
236	29.7	22.0	33.0





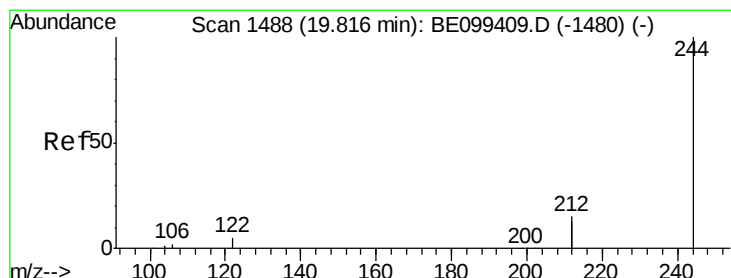
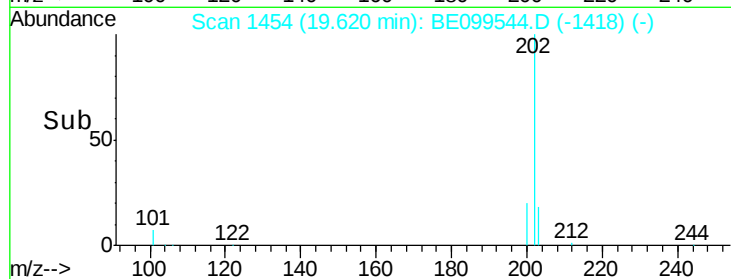
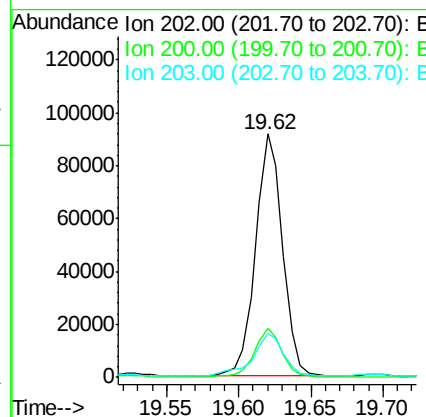
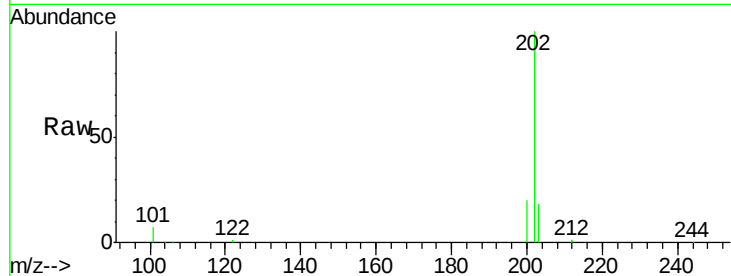
#28
 Pyrene
 Concen: 2.075 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B167-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.7	23.5
203	20.2	13.9	20.9

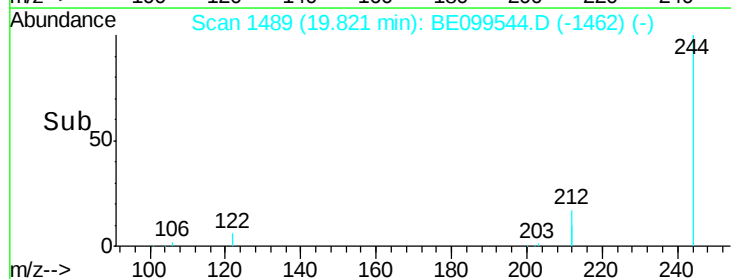
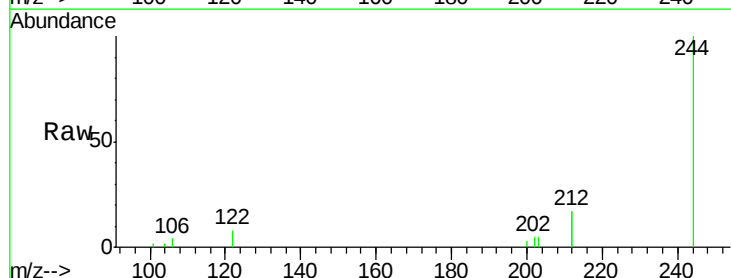
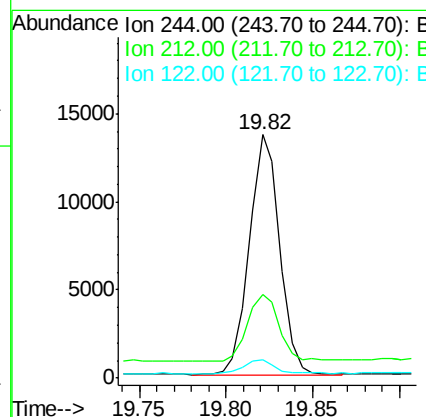
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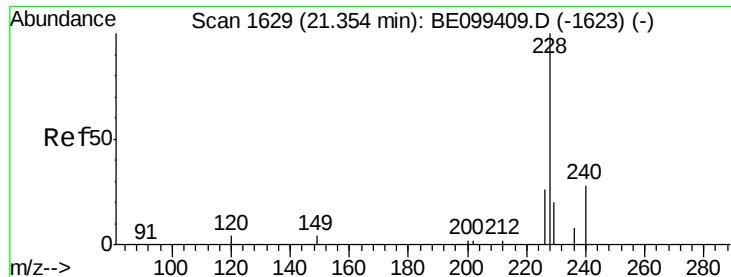
mohammad
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#29
 Terphenyl-d14
 Concen: 0.407 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	34.5	23.2	34.8
122	7.7	4.2	6.4#





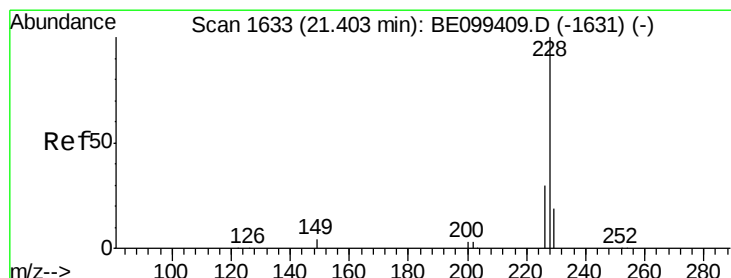
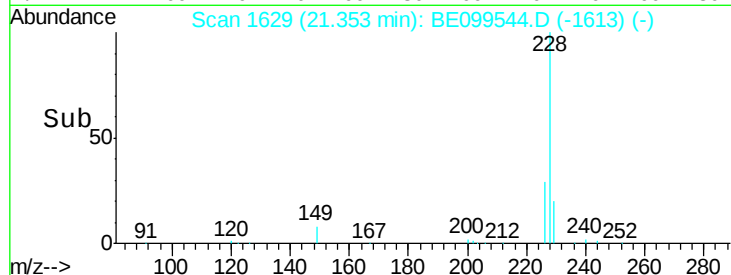
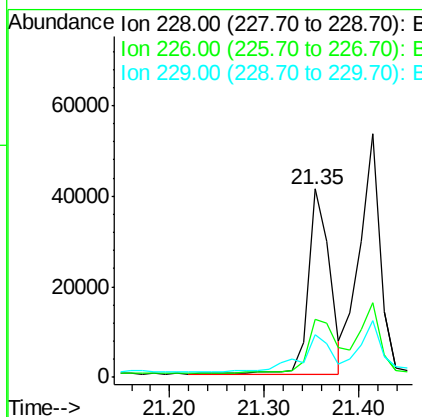
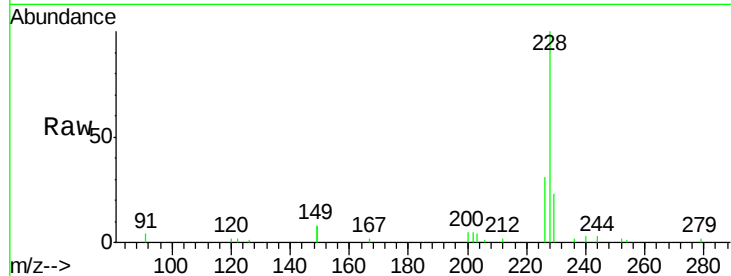
#30
Benzo(a)anthracene
Concen: 0.887 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Instrument :
BNA_E
ClientSampleId :
PST-004-B167-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.0	31.6
229	22.8	16.6	25.0

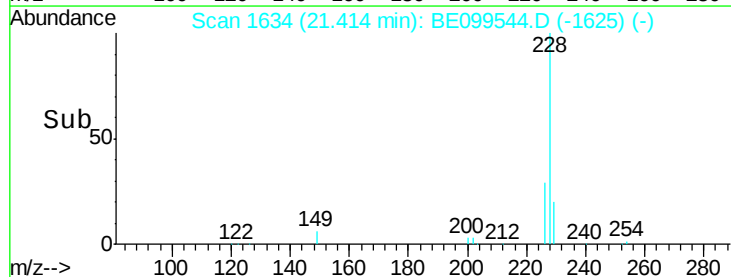
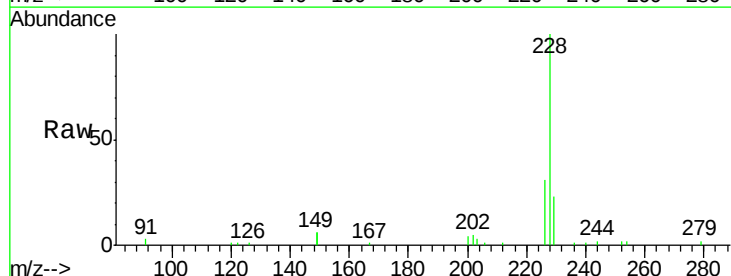
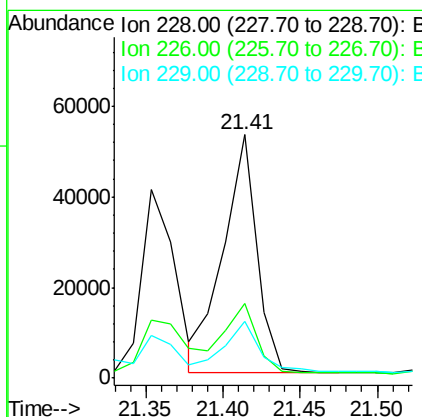
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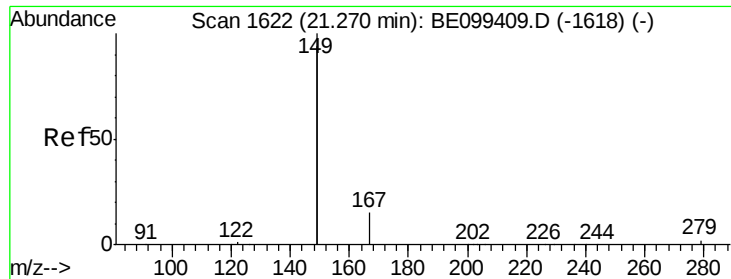
mohammad
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#31
Chrysene
Concen: 1.145 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	23.2	15.8	23.8





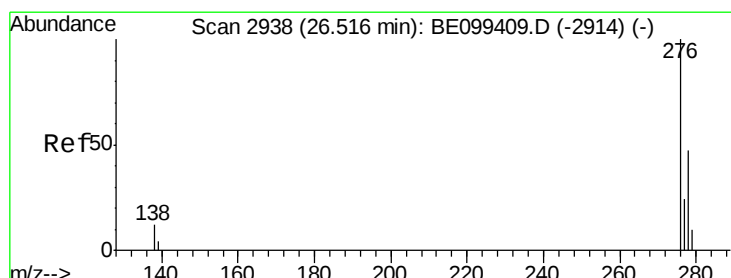
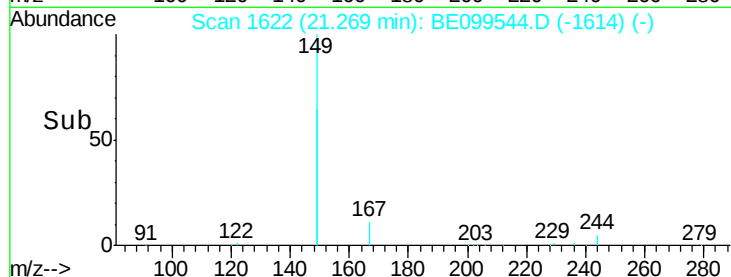
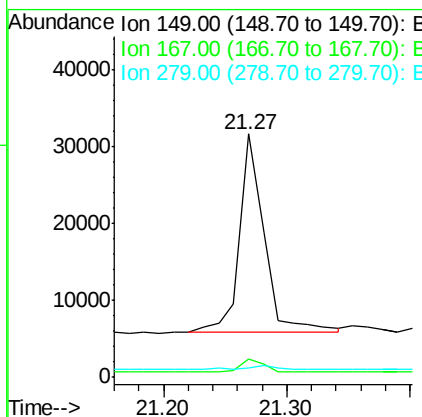
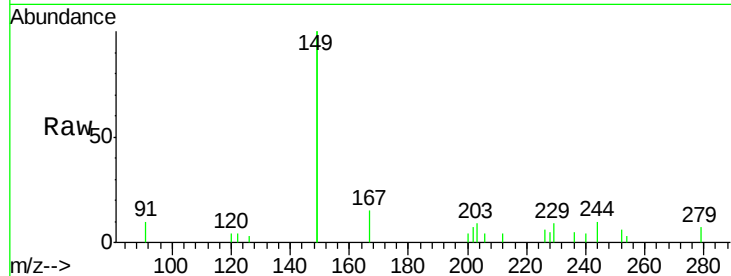
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.277 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B167-042319

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.8	8.6
279	2.8	1.0	1.6#

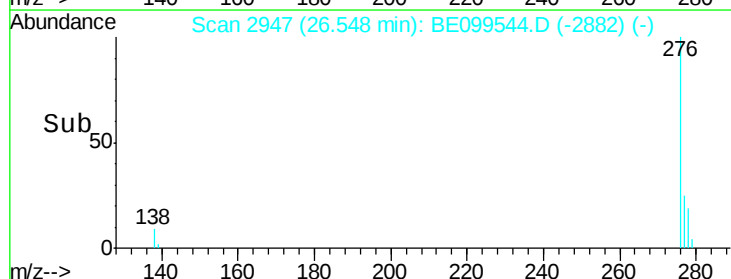
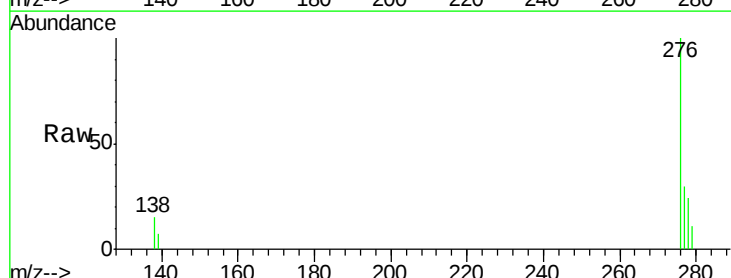
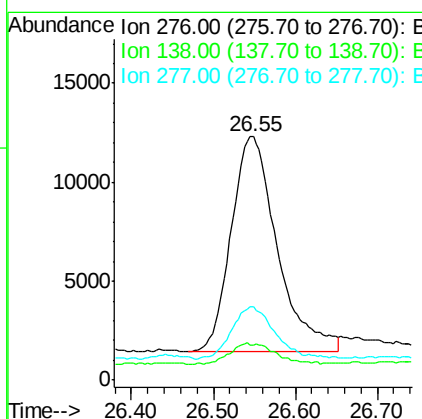
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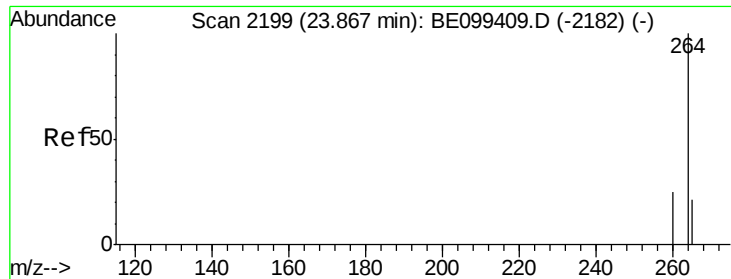
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.519 ng
 RT: 26.55 min Scan# 2947
 Delta R.T. 0.03 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.5	10.2	15.2#
277	21.7	19.2	28.8





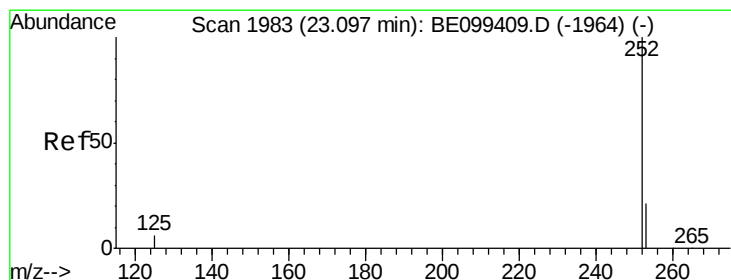
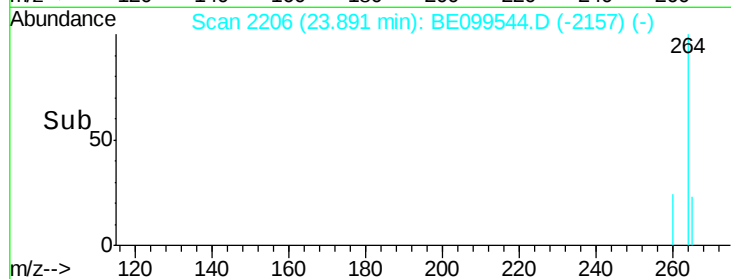
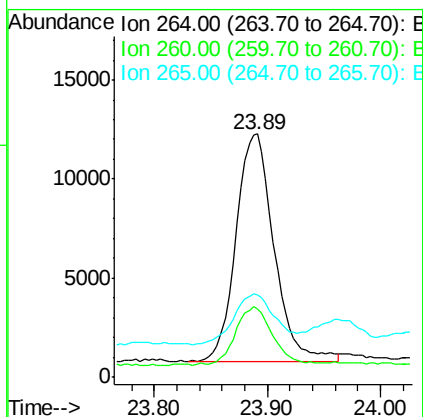
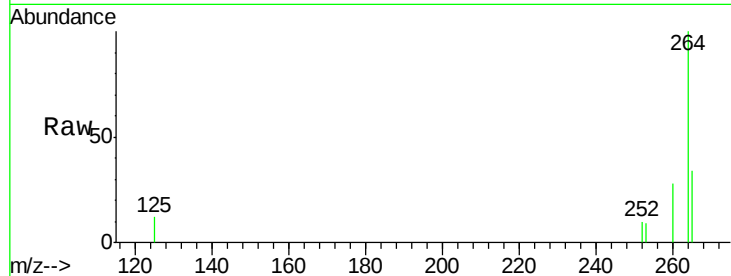
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2206
 Delta R.T. 0.02 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B167-042319

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.0	20.2	30.2
265	33.9	21.3	31.9

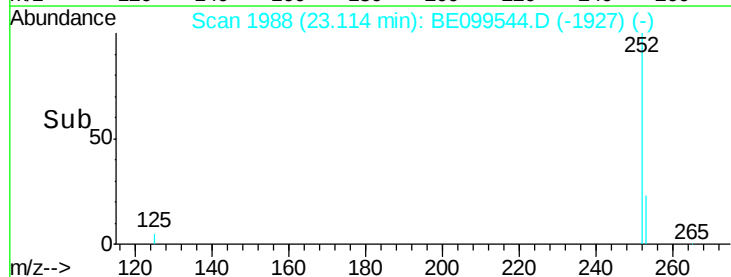
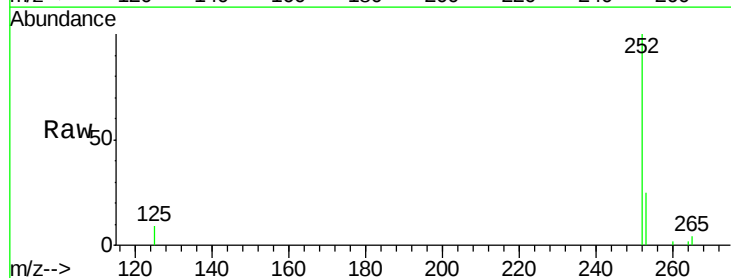
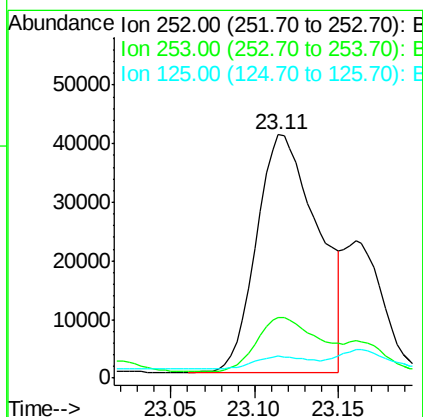
Manual Integrations
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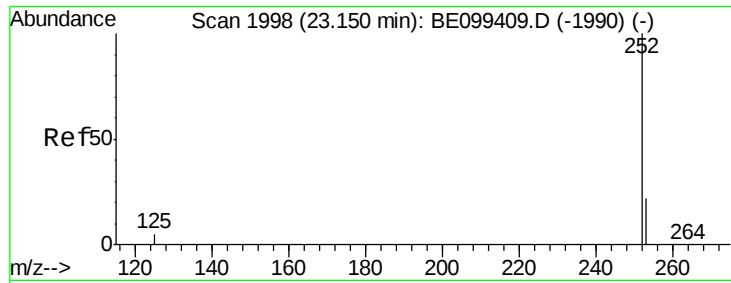
mohammad
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#35
Benzo(b)fluoranthene
 Concen: 1.340 ng
 RT: 23.11 min Scan# 1988
 Delta R.T. 0.02 min
 Lab File: BE099544.D
 Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	9.0	5.6	8.4





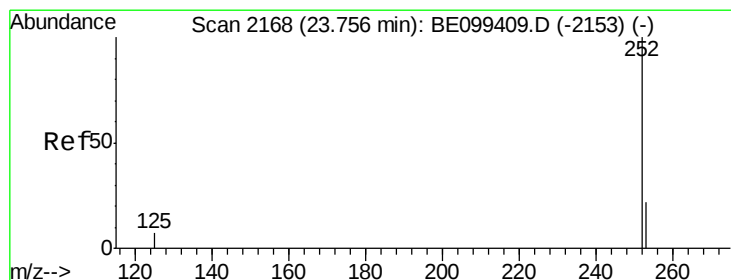
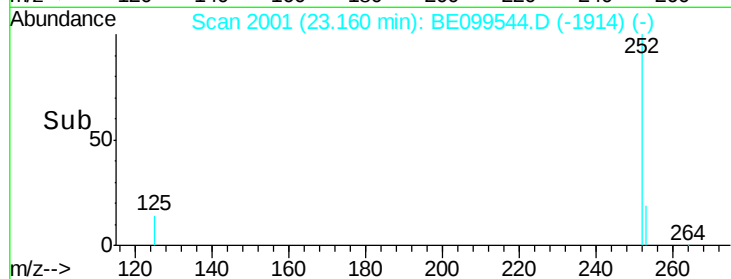
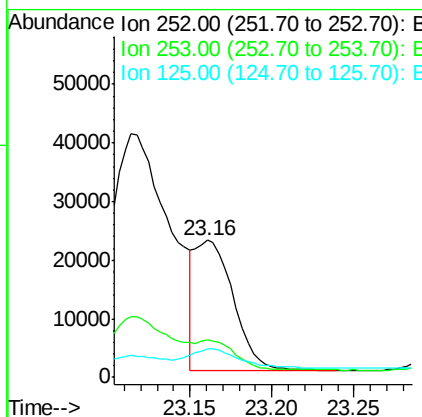
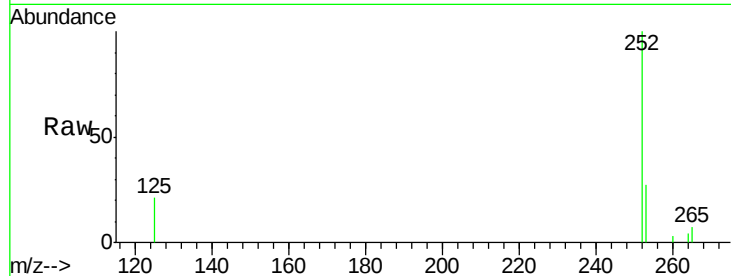
#36
Benzo(k)fluoranthene
Concen: 0.490 ng m
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Instrument :
BNA_E
ClientSampleId :
PST-004-B167-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.4	27.6
125	20.7	5.0	7.4#

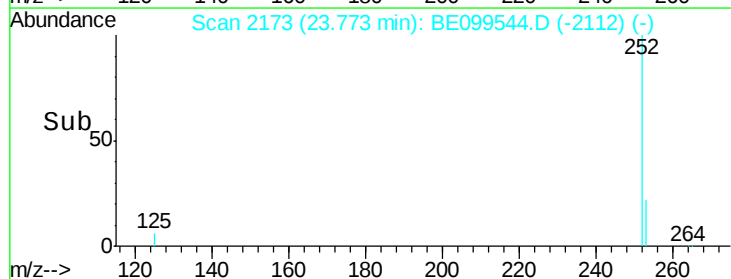
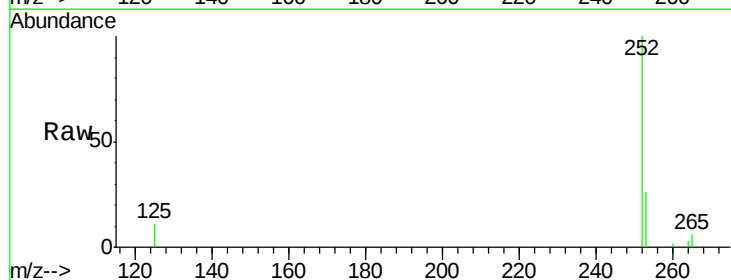
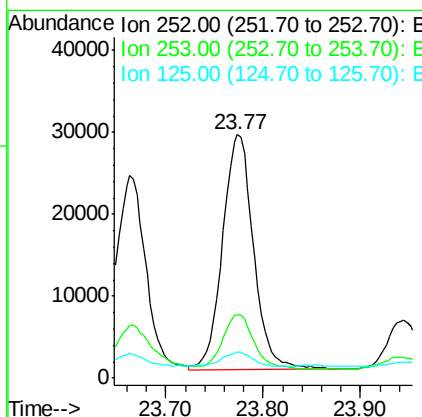
Manual Integrations
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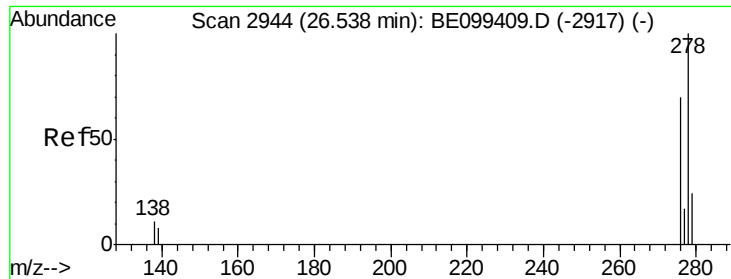
mohammad
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#37
Benzo(a)pyrene
Concen: 0.864 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.9	28.3
125	10.6	6.7	10.1#





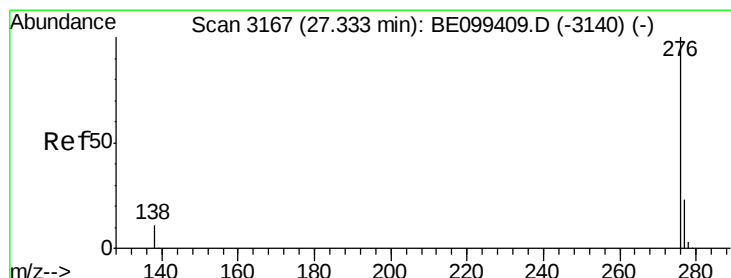
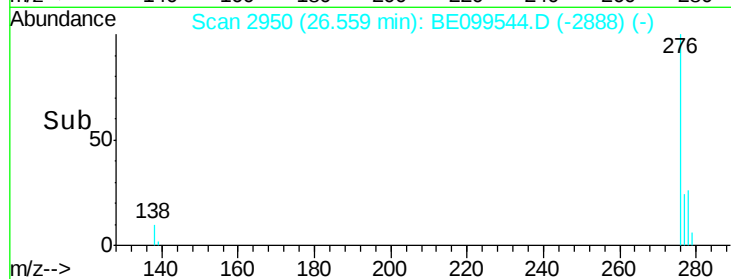
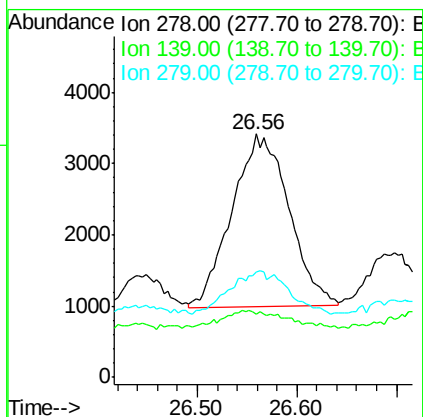
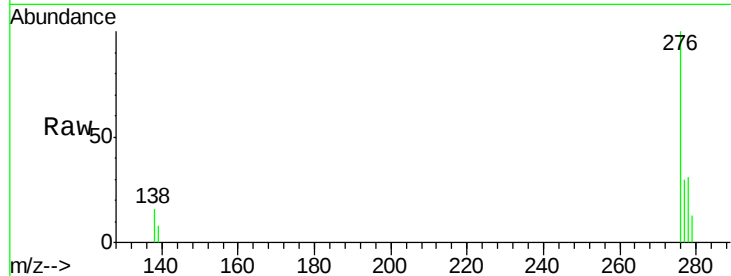
#38
Dibenzo(a,h)anthracene
Concen: 0.128 ng
RT: 26.56 min Scan# 2950
Delta R.T. 0.02 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Instrument :
BNA_E
ClientSampleId :
PST-004-B167-042319

Tgt Ion: 278 Resp: 9547
Ion Ratio Lower Upper
278 100
139 26.0 7.7 11.5#
279 43.4 20.2 30.2#

Manual Integrations
APPROVED

mohammad
5/7/2019 11:57:24 PM



#39
Benzo(g,h,i)perylene
Concen: 0.510 ng
RT: 27.38 min Scan# 3179
Delta R.T. 0.04 min
Lab File: BE099544.D
Acq: 3 May 2019 23:44

Tgt Ion: 276 Resp: 38177
Ion Ratio Lower Upper
276 100
277 30.0 19.5 29.3#
138 16.5 9.6 14.4#

