

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099128.D
 Acq On : 24 Mar 2019 1:51
 Operator : JU/SJ
 Sample : K1948-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B125-031319

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:37:25 PM

Quant Time: Mar 24 03:50:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3573	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14344	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	9999	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	30124	0.40	ng	0.00
27) Chrysene-d12	21.38	240	39974	0.40	ng	-0.01
34) Perylene-d12	23.89	264	42845	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4418	0.42	ng	0.00
5) Phenol-d6	6.99	99	6452	0.42	ng	0.00
8) Nitrobenzene-d5	8.99	82	4671	0.74	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	9222	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	2092	0.71	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12930	0.33	ng	-0.02
25) Fluoranthene-d10	19.24	212	130145	0.32	ng	0.00
29) Terphenyl-d14	19.83	244	21081	0.25	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.68	128	7601	0.045	ng	99
12) 2-Methylnaphthalene	12.29	142	1286	0.044	ng	96
16) Acenaphthylene	14.20	152	5317	0.100	ng	95
17) Acenaphthene	14.54	154	1839	0.058	ng	99
18) Fluorene	15.51	166	3529	0.076	ng	# 88
23) Phenanthrene	17.25	178	160980	1.800	ng	99
24) Anthracene	17.35	178	15230	0.180	ng	# 95
26) Fluoranthene	19.27	202	581204	4.618	ng	# 96
28) Pyrene	19.63	202	514537	3.795	ng	# 95
30) Benzo(a)anthracene	21.37	228	276351	1.962	ng	99
31) Chrysene	21.42	228	318386	2.262	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	97504	0.534	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	208130	1.376	ng	97
35) Benzo(b)fluoranthene	23.12	252	437396	2.951	ng	99
36) Benzo(k)fluoranthene	23.17	252	159712m	1.100	ng	
37) Benzo(a)pyrene	23.78	252	282648m	2.063	ng	
38) Dibenzo(a,h)anthracene	26.57	278	48198	0.362	ng	97
39) Benzo(a,h,i)perylene	27.36	276	215328	1.574	ng	97

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

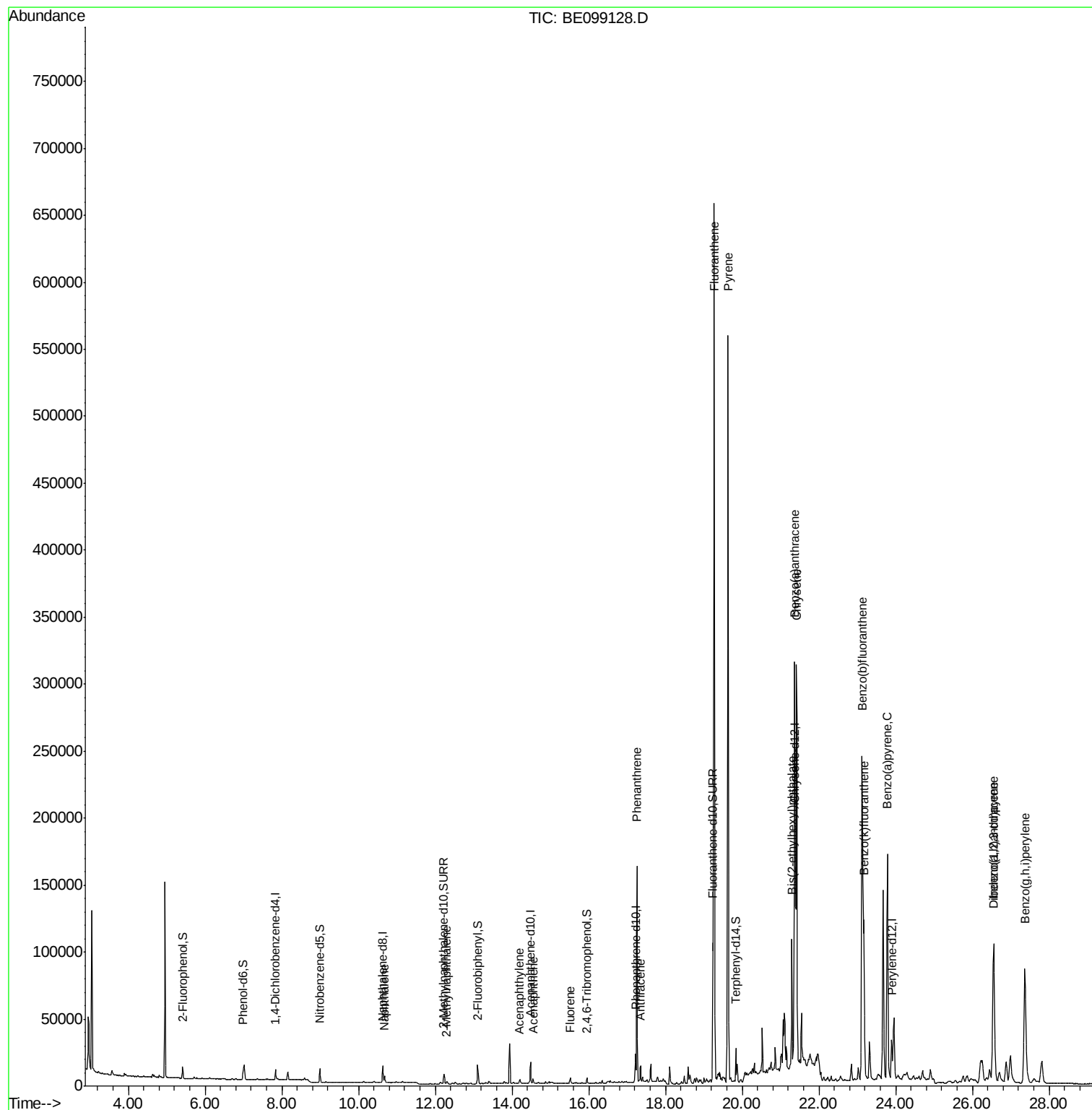
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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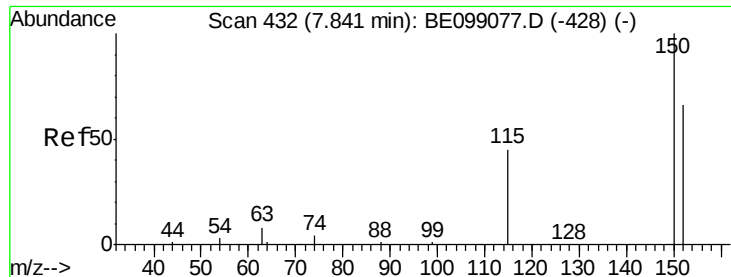
Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Manual Integrations
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Quant Time: Mar 24 03:50:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

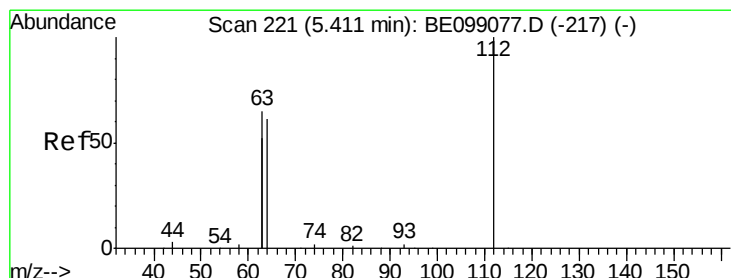
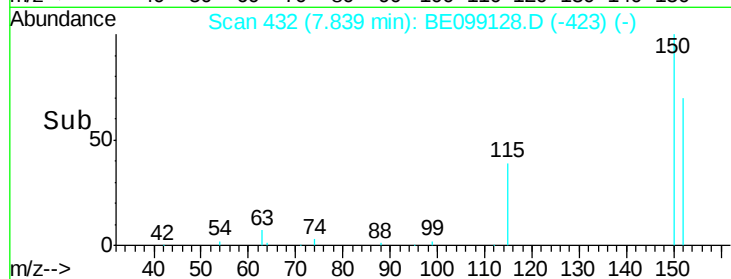
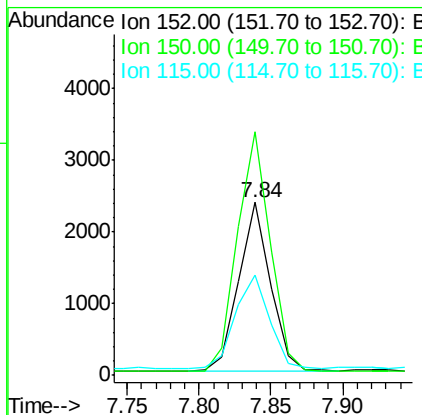
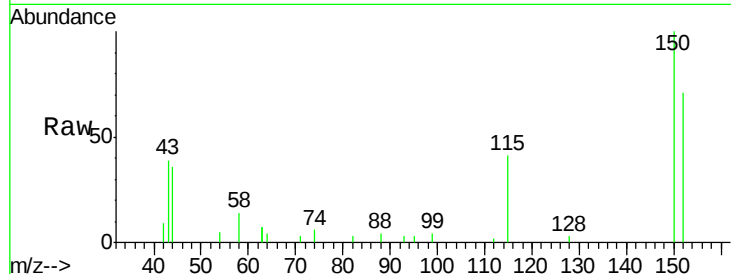
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.7	122.5	183.7
115	58.1	57.4	86.2

Manual Integrations
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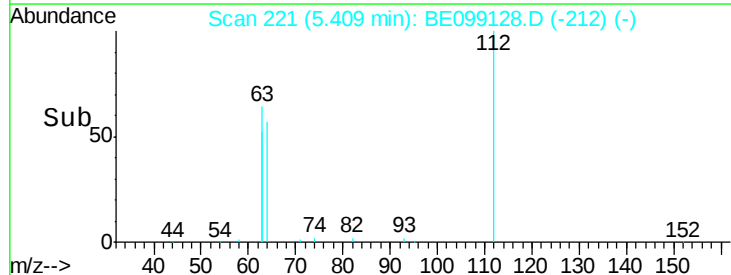
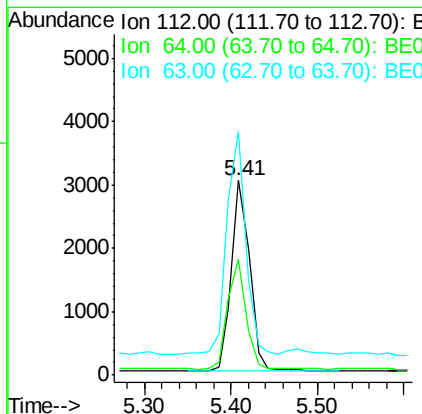
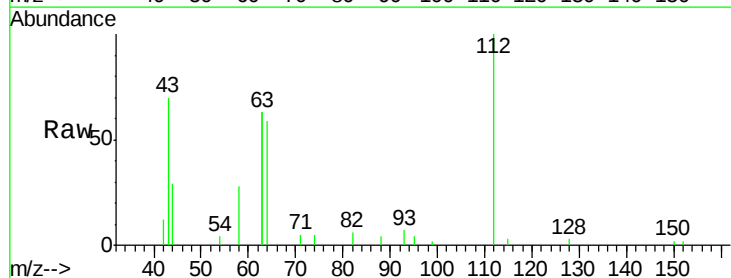
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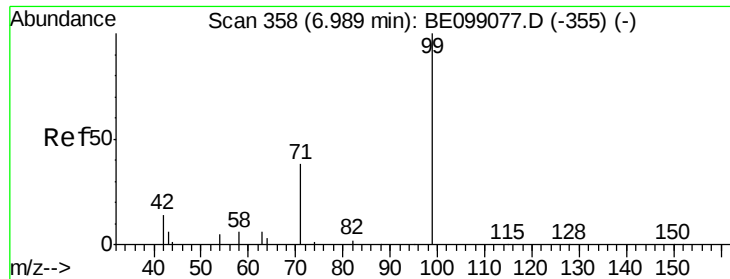


#4

2-Fluorophenol
Concen: 0.415 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	57.9	86.9#
63	119.4	158.3	237.5#





#5

Phenol-d6

Concen: 0.421 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Instrument :

BNA_E

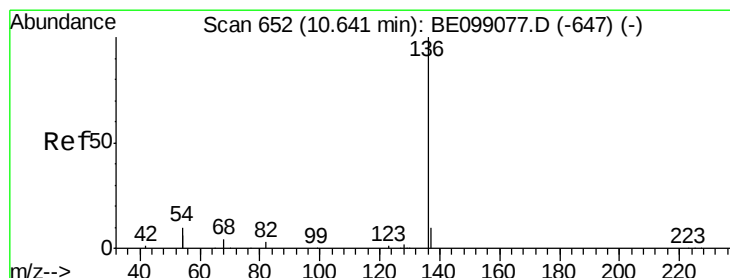
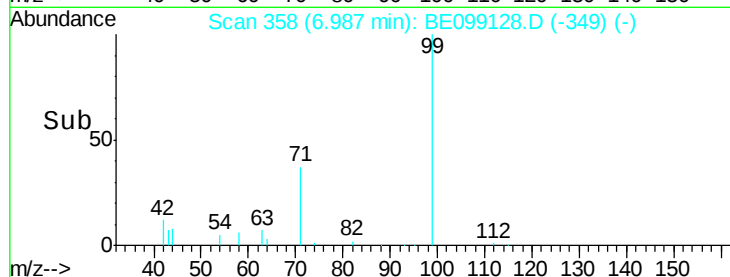
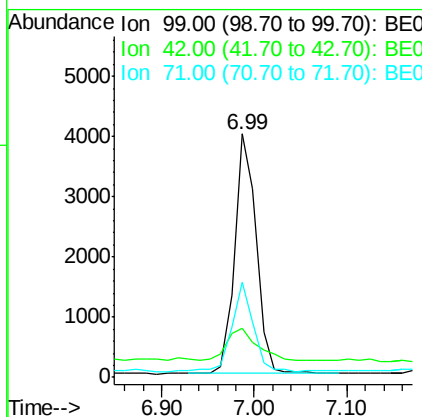
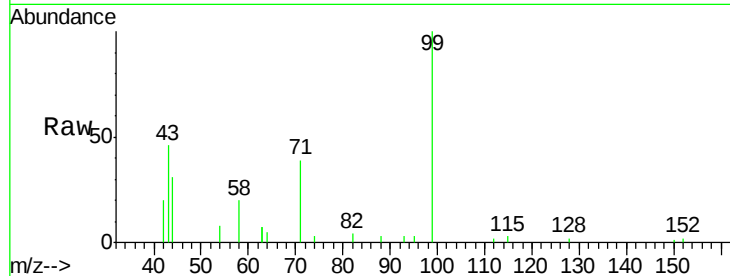
ClientSampleId :

PST-025-B125-031319

Tot Ion:	99	Resp:	6452
Ion	Ratio	Lower	Upper
99	100		
42	19.6	24.2	36.2#
71	37.0	35.7	53.5

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

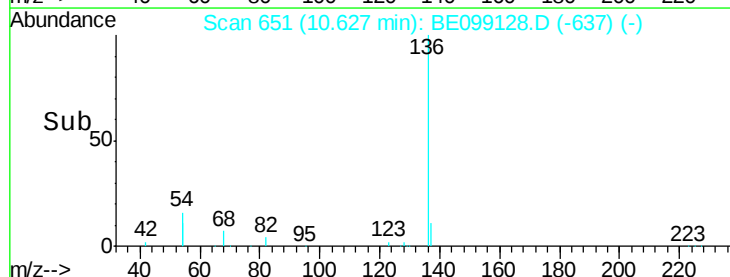
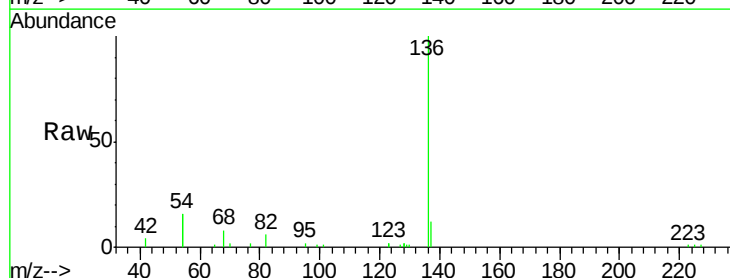
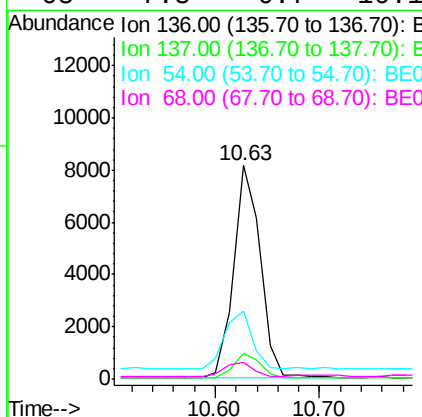
RT: 10.63 min Scan# 651

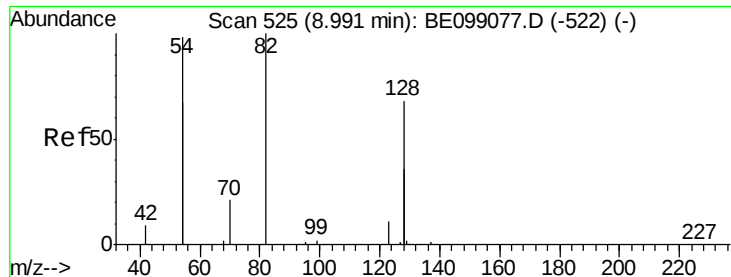
Delta R.T. -0.01 min

Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Tgt Ion:	136	Resp:	14344
Ion	Ratio	Lower	Upper
136	100		
137	11.7	11.4	17.0
54	31.9	39.3	58.9#
68	7.8	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.745 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Instrument :

BNA_E

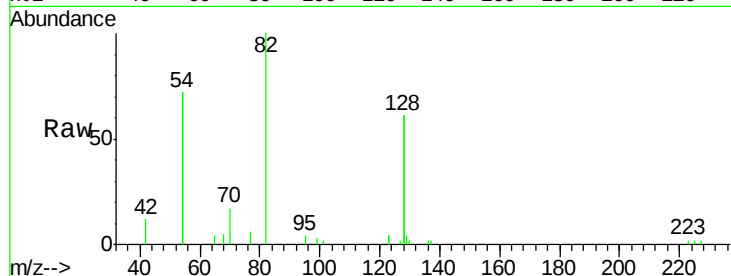
ClientSampleId :

PST-025-B125-031319

Tot Ion:	82	Resp:	4671
Ion Ratio	Lower	Upper	
82	100		
128	122.3	123.8	185.8#
54	144.6	203.4	305.2#

Manual Integrations
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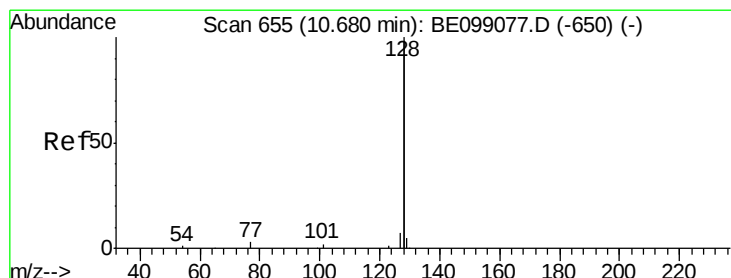
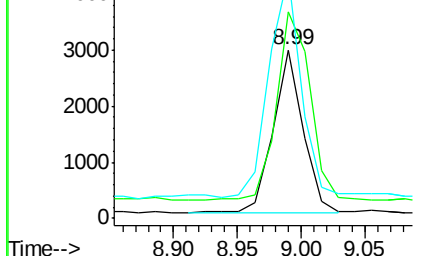
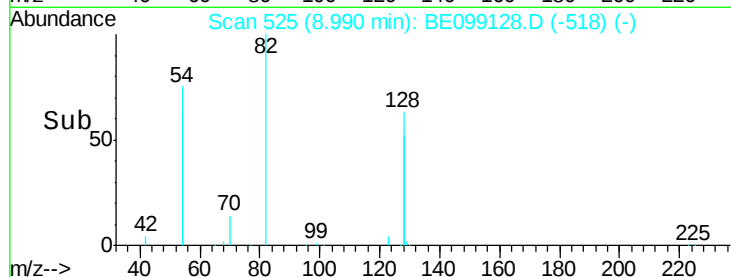


Abundance Ion 82.00 (81.70 to 82.70): BE099128.D (-518) (-)

Ion 128.00 (127.70 to 128.70): BE099128.D (-518) (-)

Ion 54.00 (53.70 to 54.70): BE099128.D (-518) (-)

Time-->



#9

Naphthalene

Concen: 0.045 ng

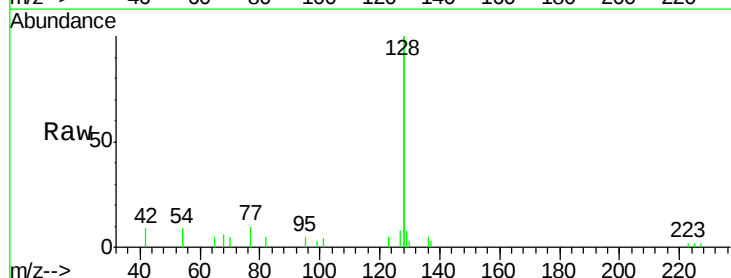
RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Tgt Ion:	128	Resp:	7601
Ion Ratio	Lower	Upper	
128	100		
129	4.0	2.6	4.0
127	4.2	3.1	4.7

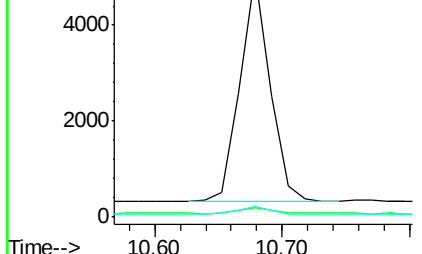
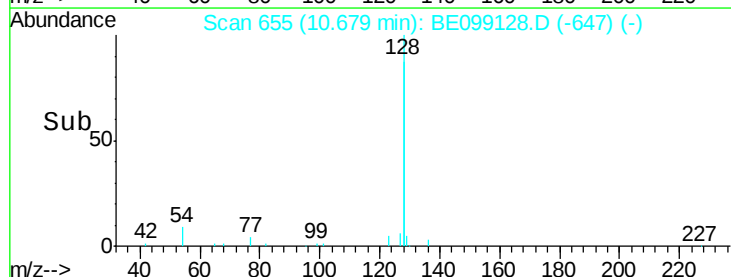


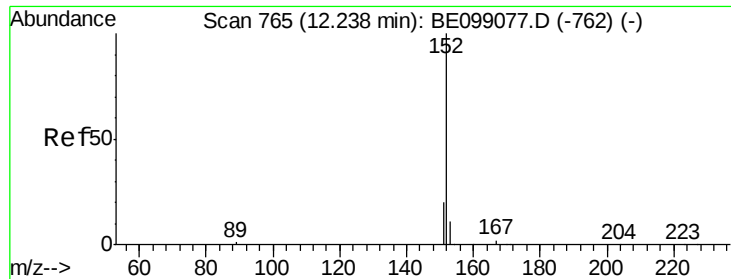
Abundance Ion 128.00 (127.70 to 128.70): BE099128.D (-647) (-)

Ion 129.00 (128.70 to 129.70): BE099128.D (-647) (-)

Ion 127.00 (126.70 to 127.70): BE099128.D (-647) (-)

Time-->





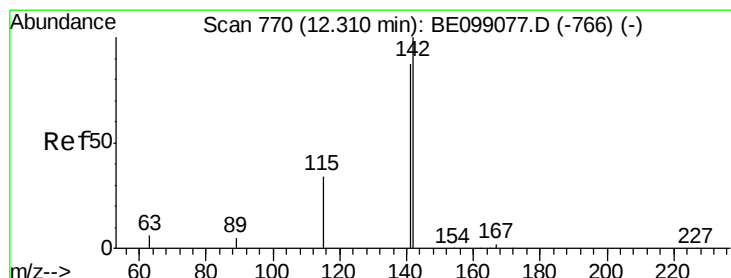
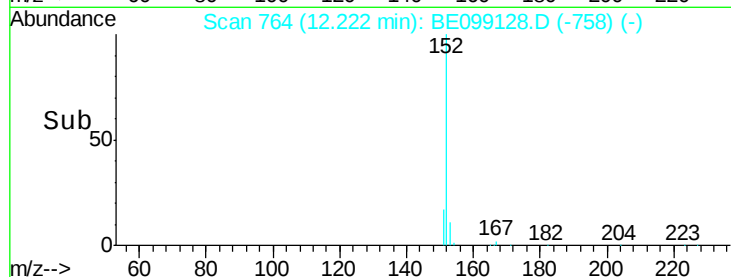
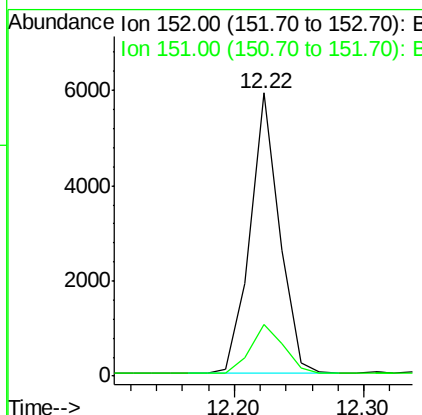
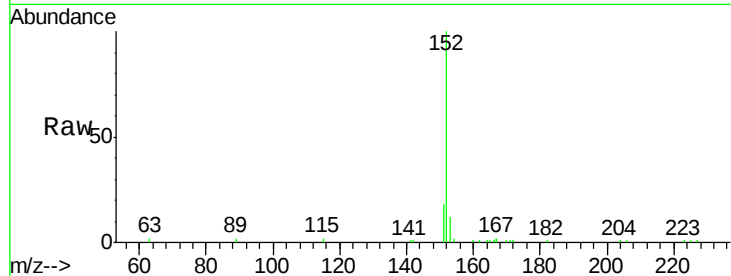
#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.02 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.5	24.7

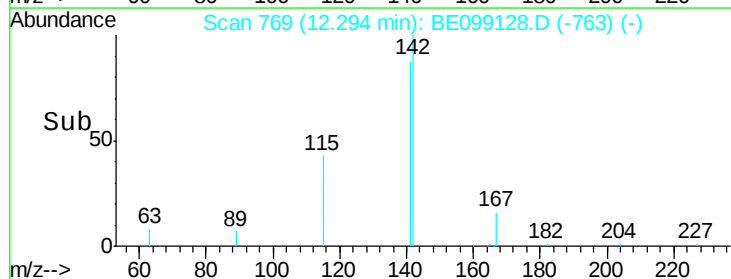
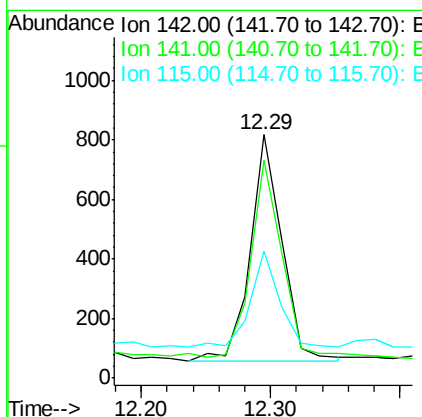
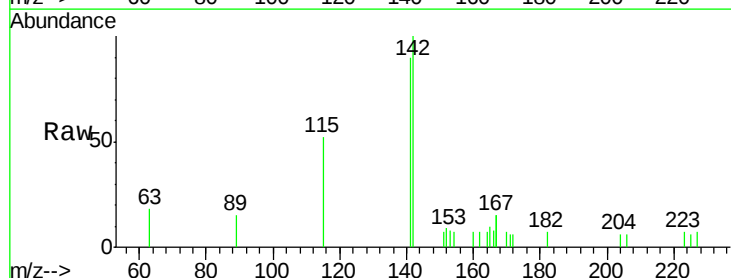
Manual Integrations
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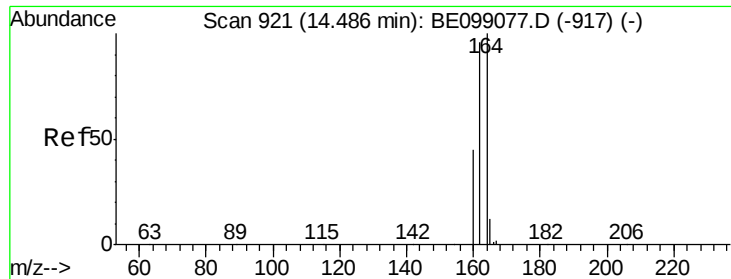
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#12
2-Methylnaphthalene
Concen: 0.044 ng
RT: 12.29 min Scan# 769
Delta R.T. -0.02 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.6	108.8
115	52.3	37.4	56.2





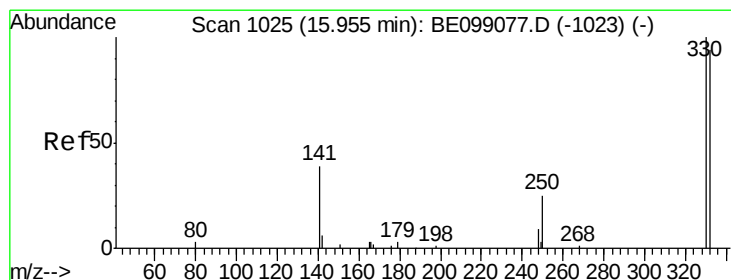
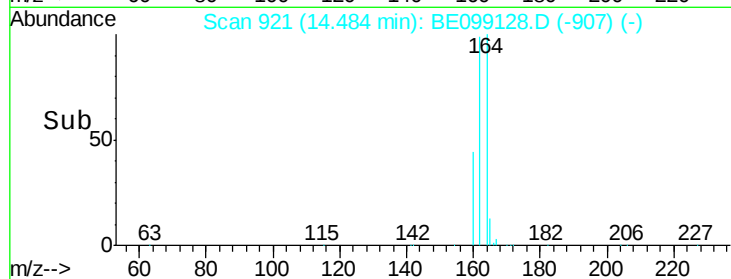
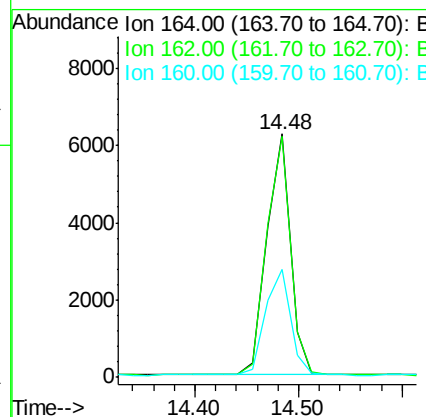
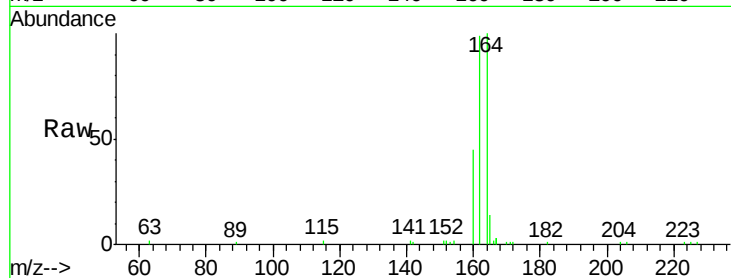
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Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.2
160	44.6	37.8	56.8

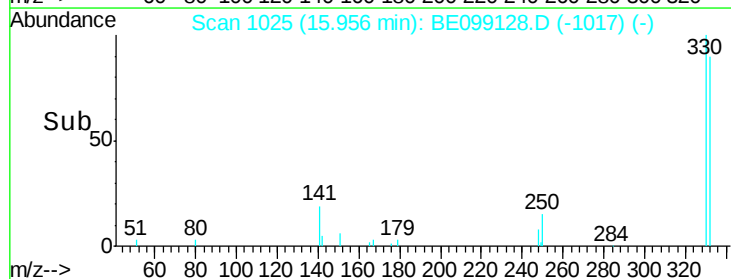
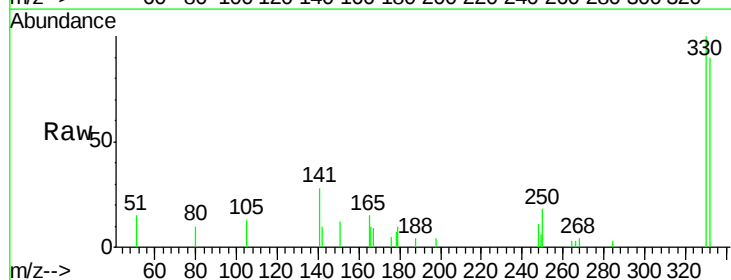
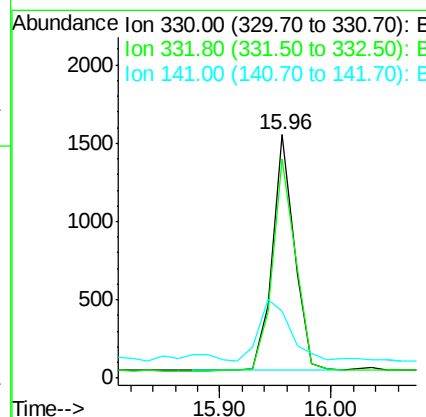
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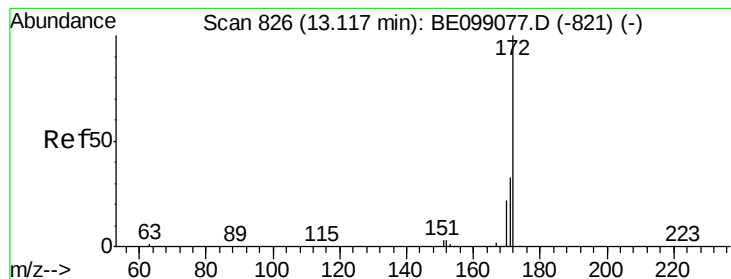
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#14
2,4,6-Tribromophenol
Concen: 0.712 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.6	116.4
141	41.3	31.0	46.4





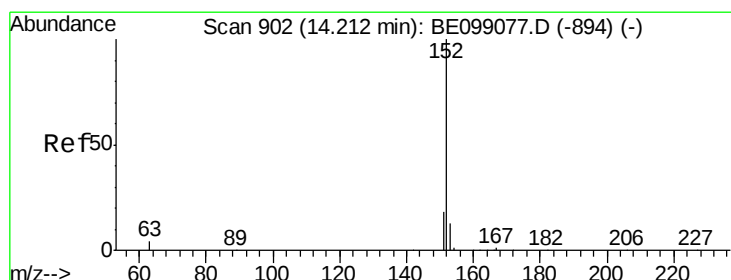
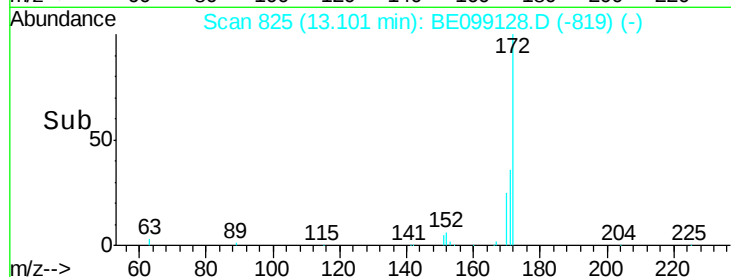
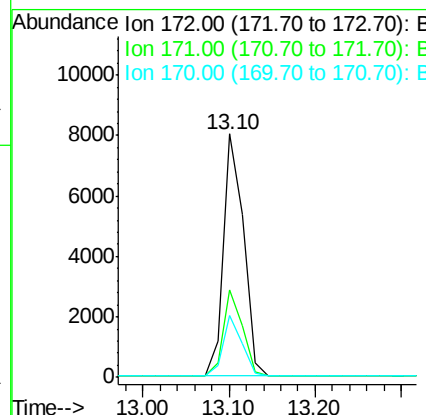
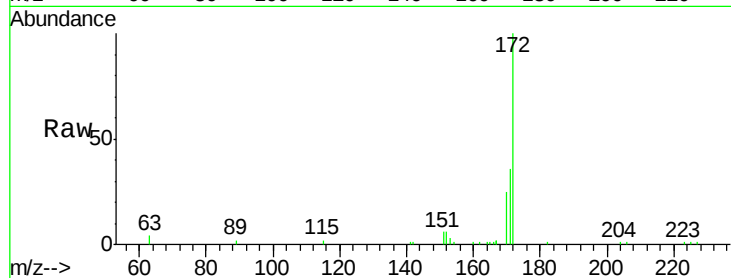
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.02 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.0	42.0
170	25.2	17.7	26.5

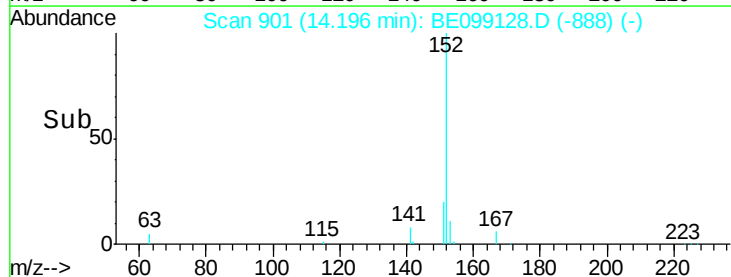
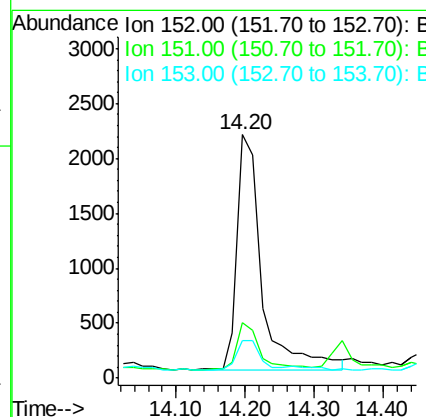
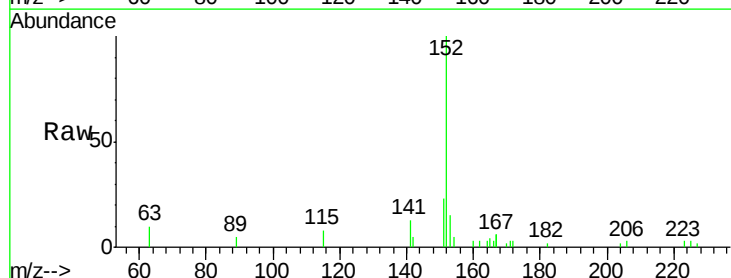
Manual Integrations
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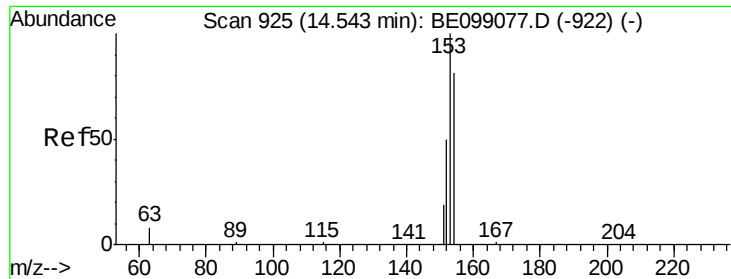
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#16
Acenaphthylene
Concen: 0.100 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.5	17.0	25.6
153	12.3	11.2	16.8





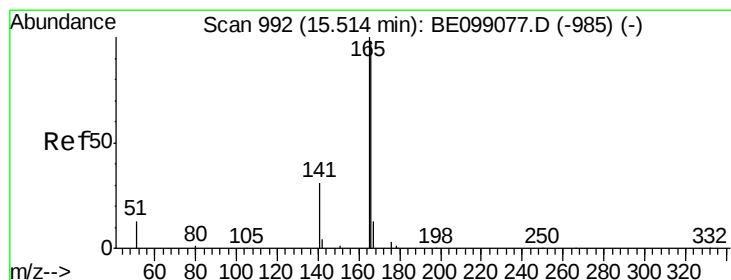
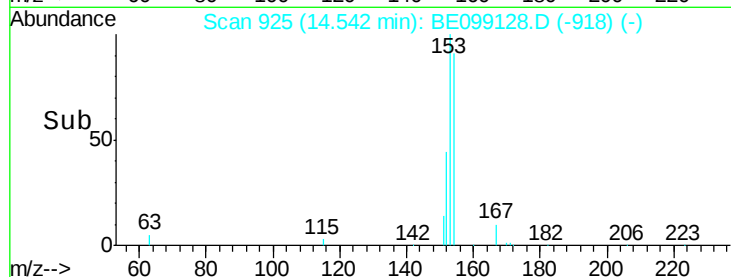
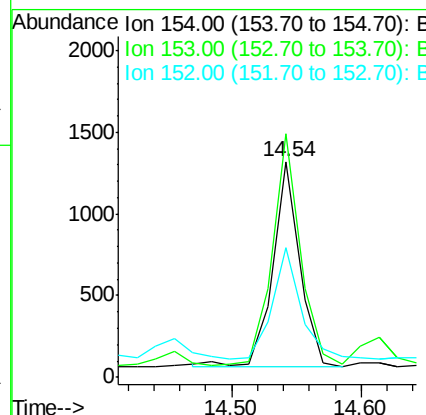
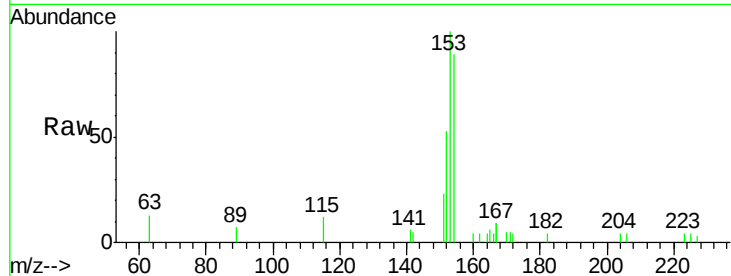
#17
Acenaphthene
Concen: 0.058 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.0	94.2	141.4
152	56.7	45.0	67.4

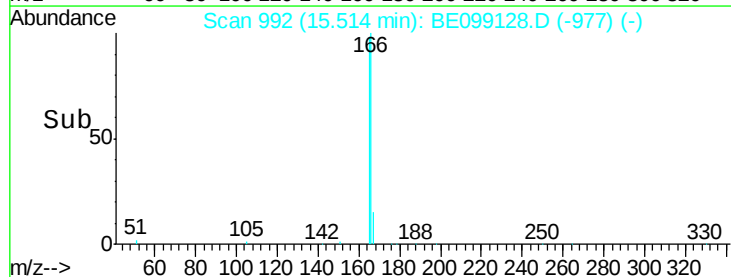
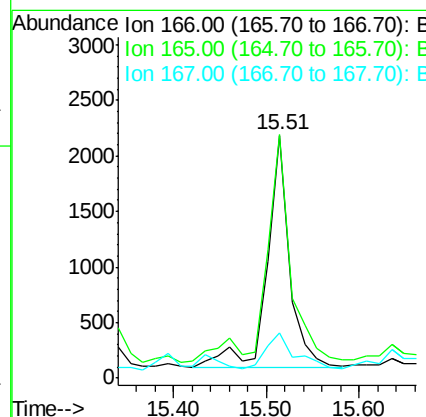
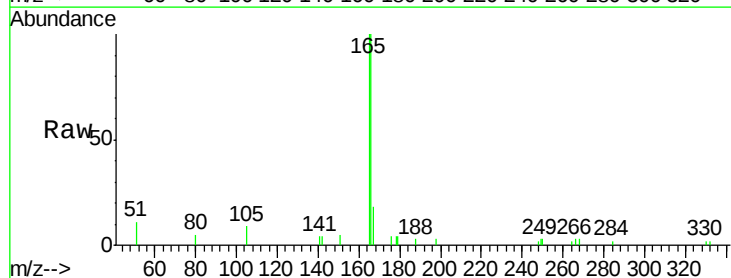
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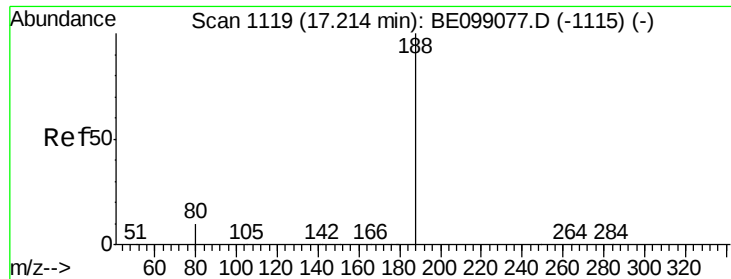
Sohil
3/25/2019 12:37:25 PM



#18
Fluorene
Concen: 0.076 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.3	79.3	118.9
167	19.7	10.5	15.7#





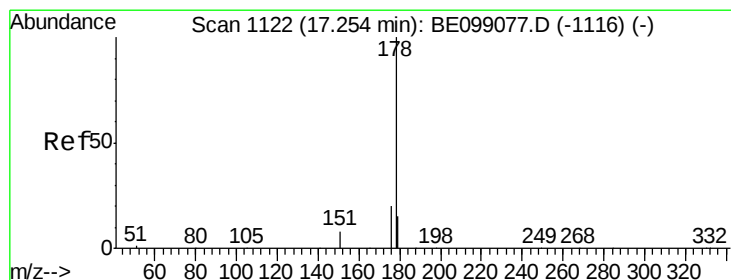
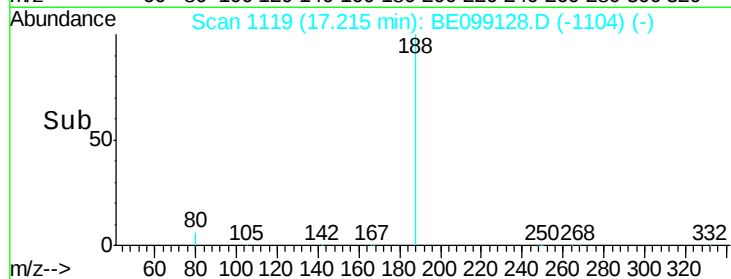
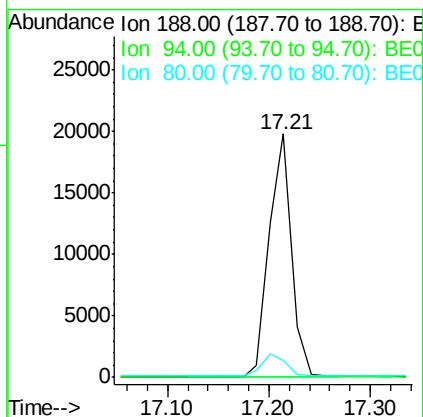
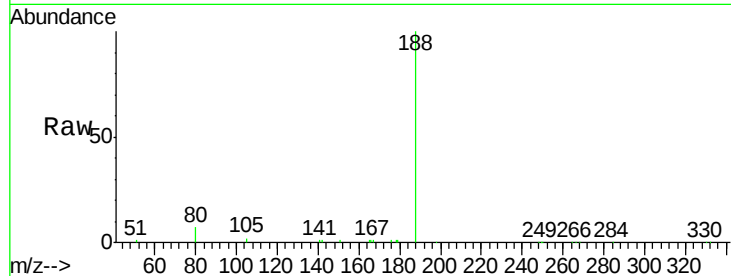
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	6.3	9.5

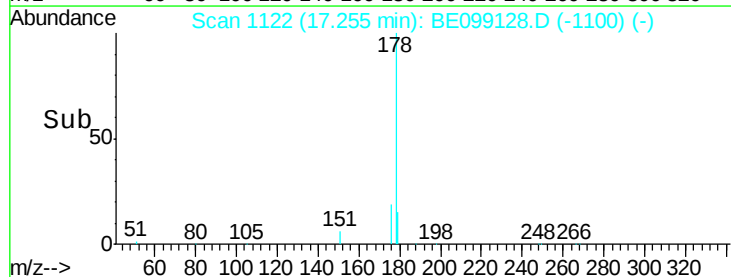
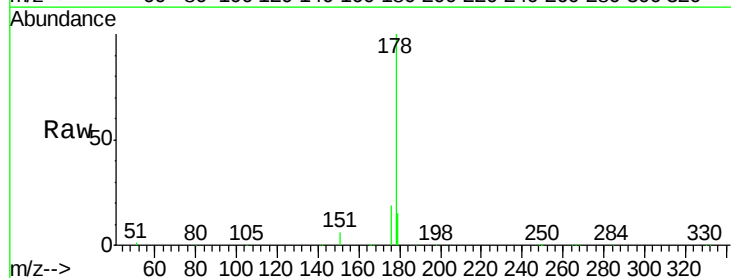
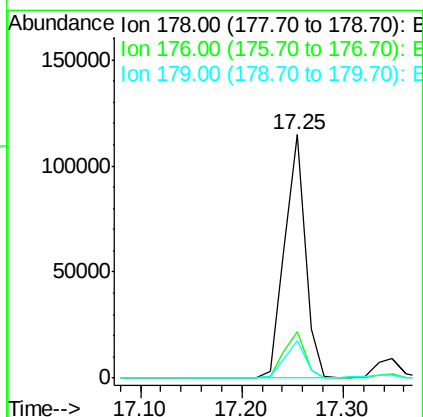
Manual Integrations
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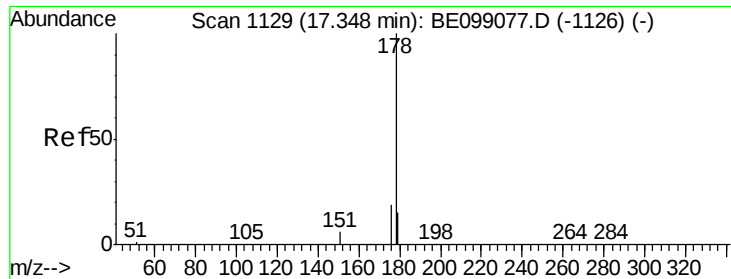
Sohil
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#23
Phenanthrene
Concen: 1.800 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.4	12.1	18.1





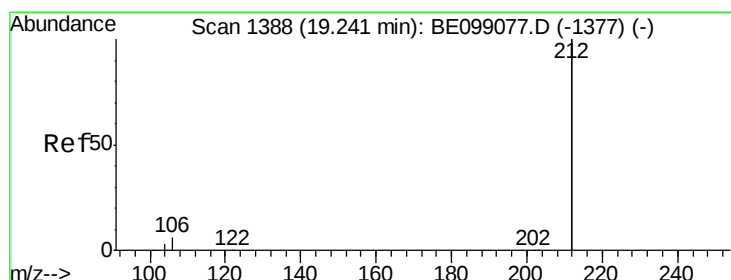
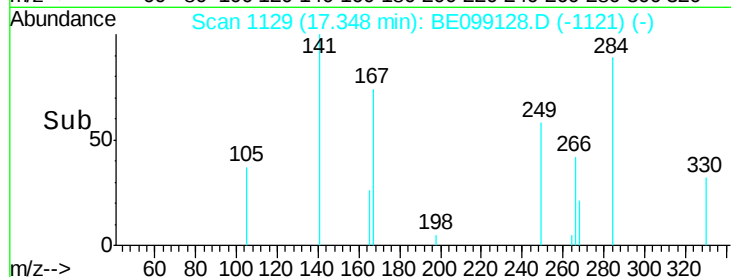
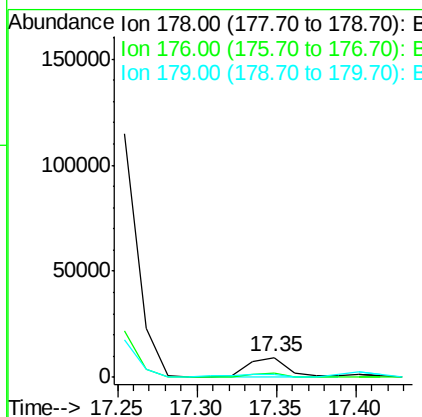
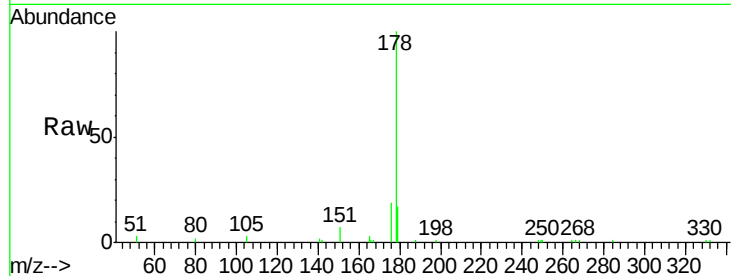
#24
 Anthracene
 Concen: 0.180 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BE099128.D
 Acq: 24 Mar 2019 1:51

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	19.7	12.2	18.4

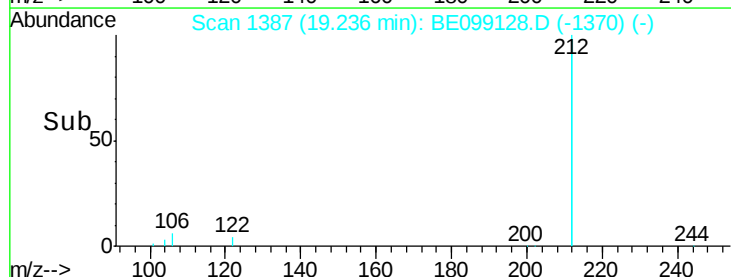
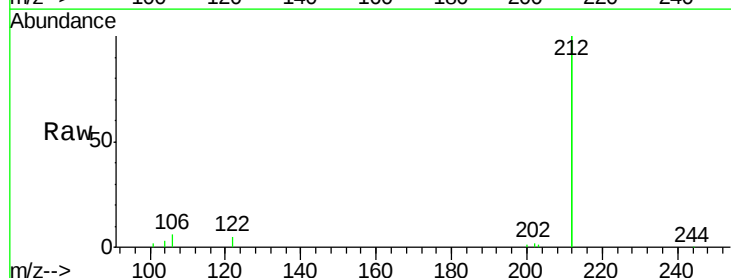
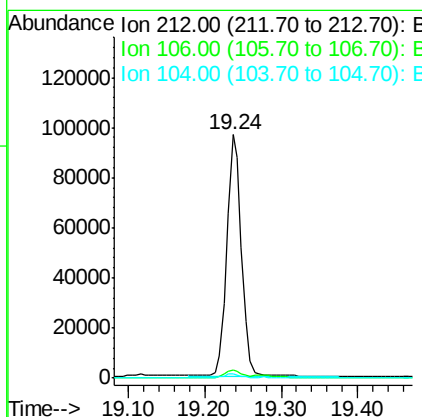
Manual Integrations
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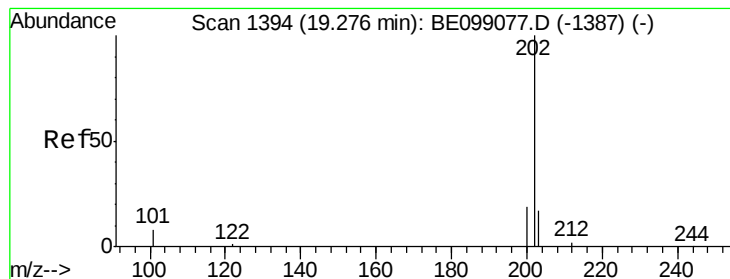
Sohil
 3/25/2019 12:37:25 PM



#25
 Fluoranthene-d10
 Concen: 0.324 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BE099128.D
 Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	1.8	2.8
104	1.7	1.0	1.6





#26

Fluoranthene

Concen: 4.618 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Instrument :

BNA_E

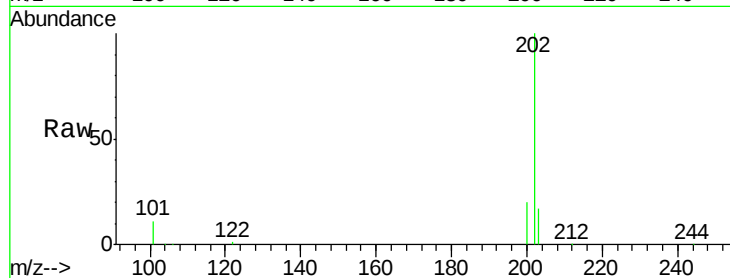
ClientSampleId :

PST-025-B125-031319

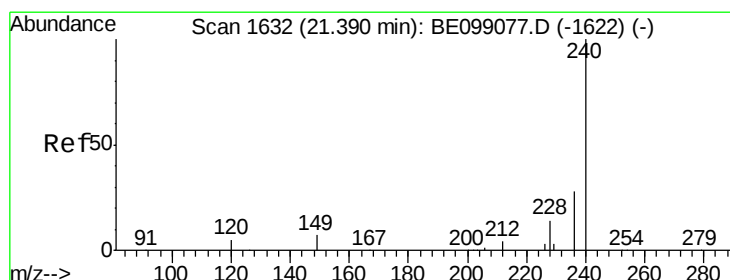
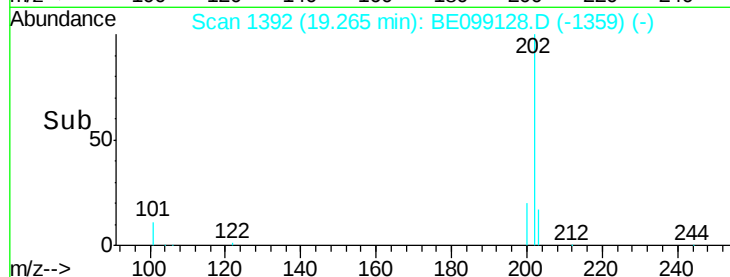
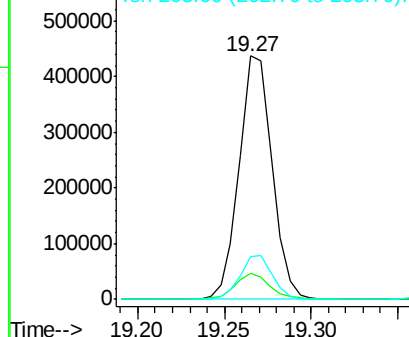
Tot Ion:	202	Resp:	581204
Ion Ratio	Lower	Upper	
202	100		
101	11.5	7.3	10.9#
203	17.7	13.4	20.2

Manual Integrations
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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: 21.38 min Scan# 1631

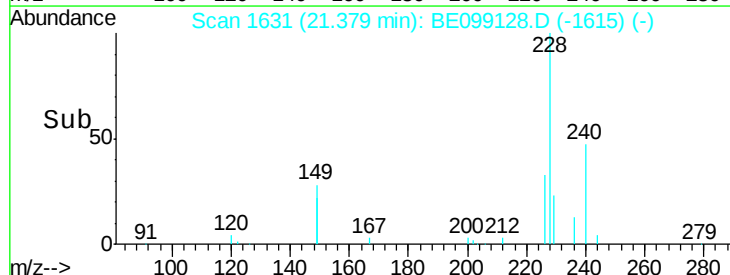
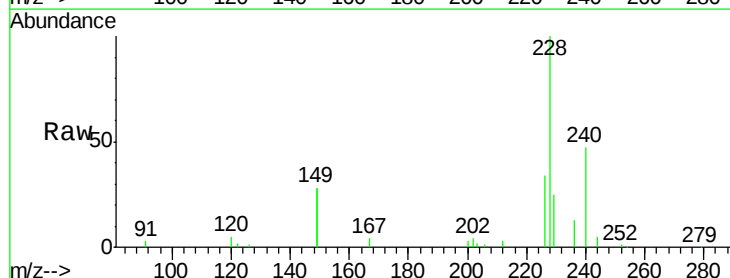
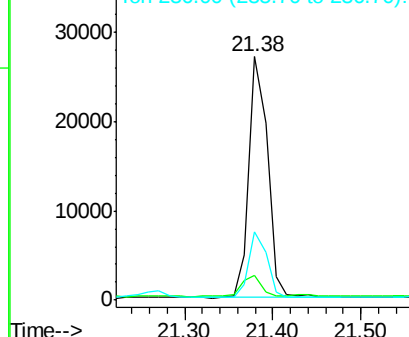
Delta R.T. -0.01 min

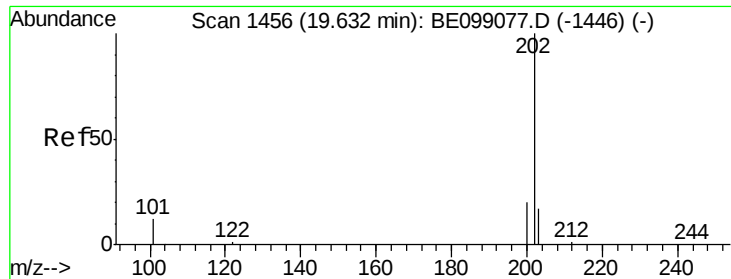
Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Tgt Ion:	240	Resp:	39974
Ion Ratio	Lower	Upper	
240	100		
120	10.0	5.0	7.4#
236	27.8	22.7	34.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





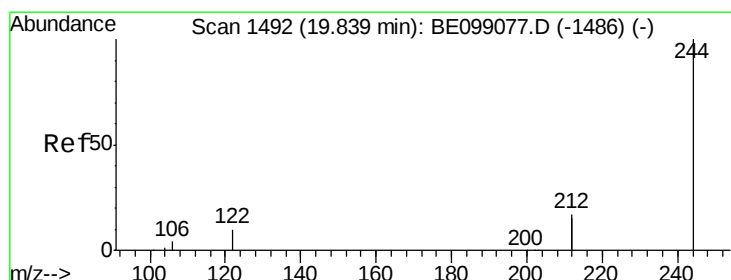
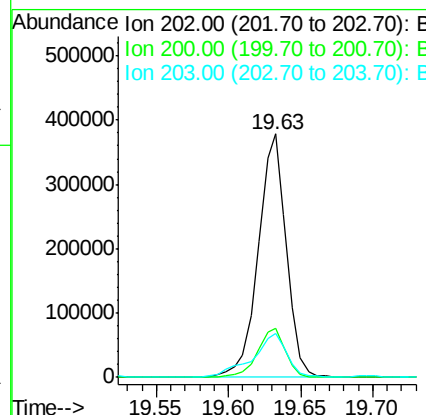
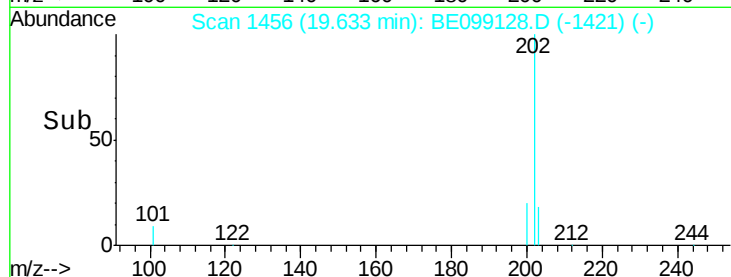
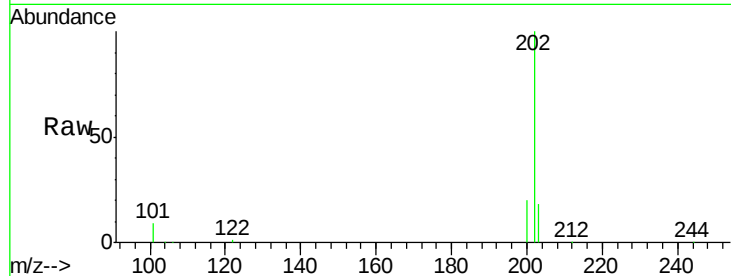
#28
Pvrene
Concen: 3.795 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	17.0	25.6
203	21.8	14.2	21.2

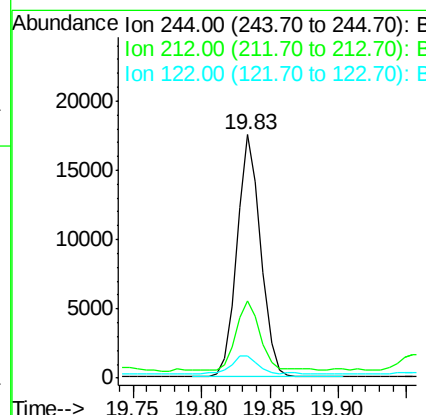
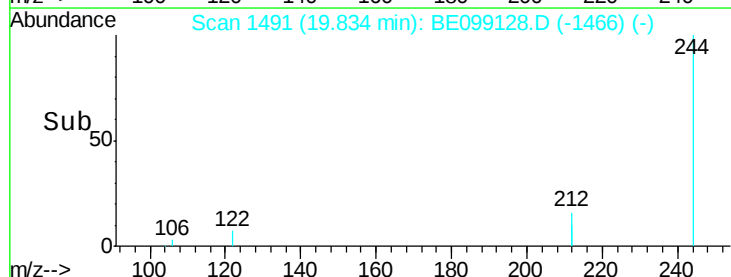
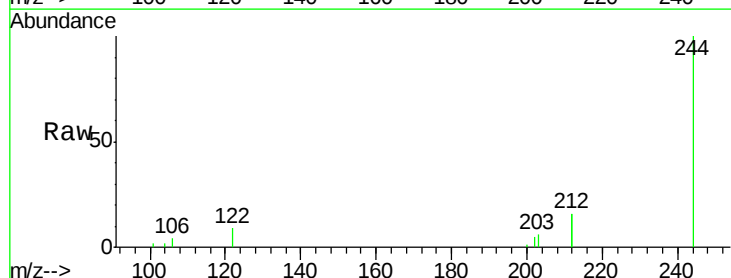
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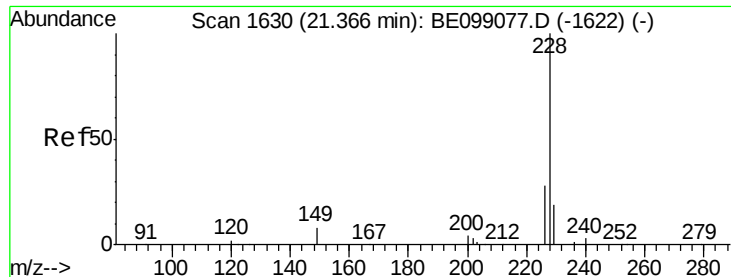
Sohil
3/25/2019 12:37:25 PM



#29
Terphenyl-d14
Concen: 0.249 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	31.9	29.4	44.2
122	9.1	7.1	10.7





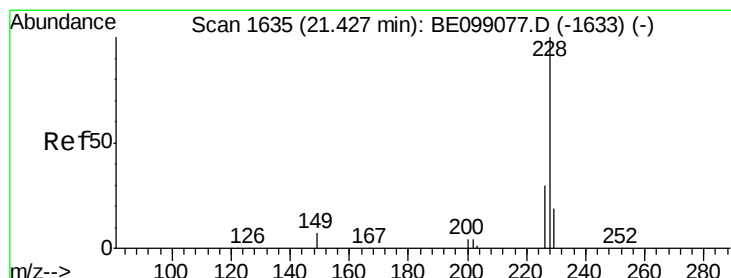
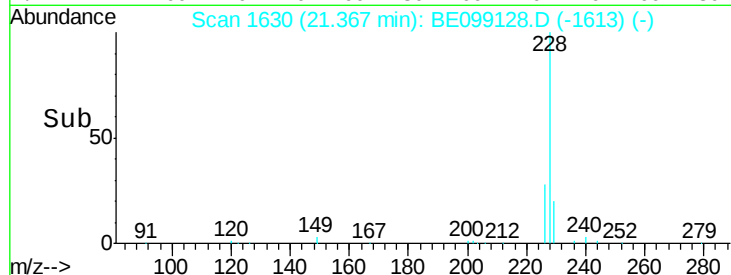
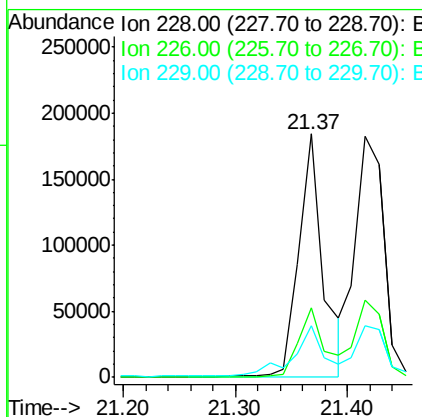
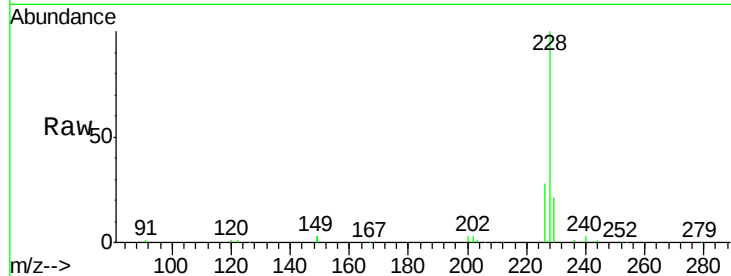
#30
Benzo(a)anthracene
Concen: 1.962 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.0	34.4
229	21.0	16.5	24.7

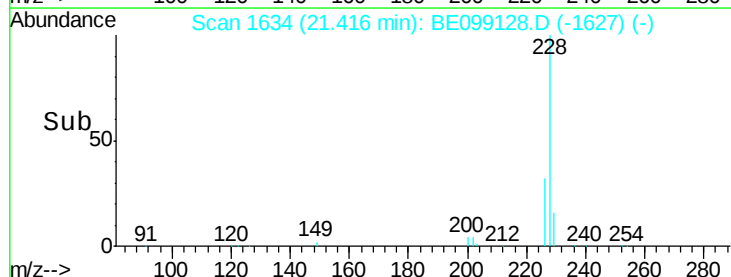
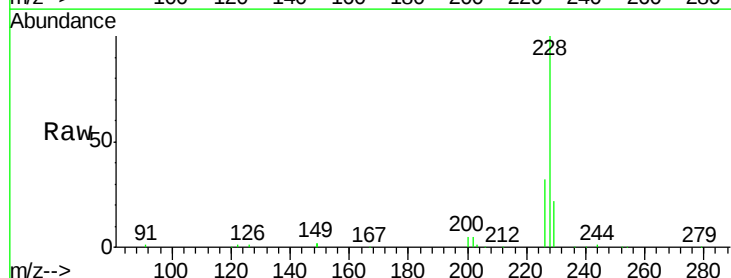
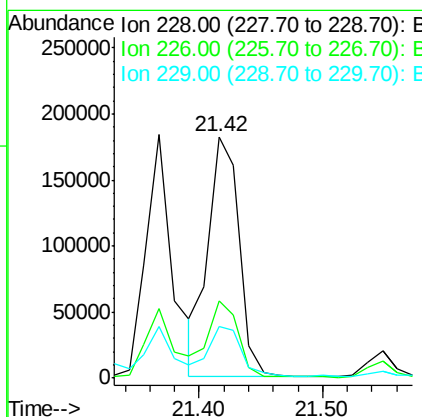
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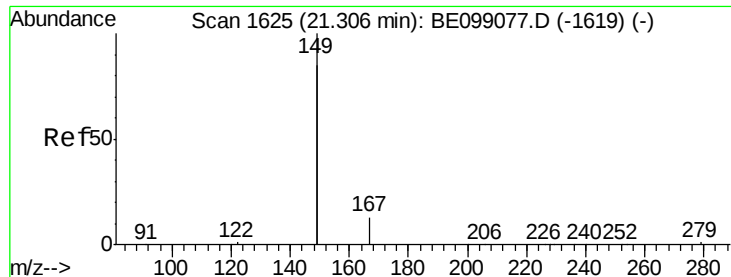
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#31
Chrysene
Concen: 2.262 ng
RT: 21.42 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.7	35.5
229	21.5	16.1	24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.534 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Instrument :

BNA_E

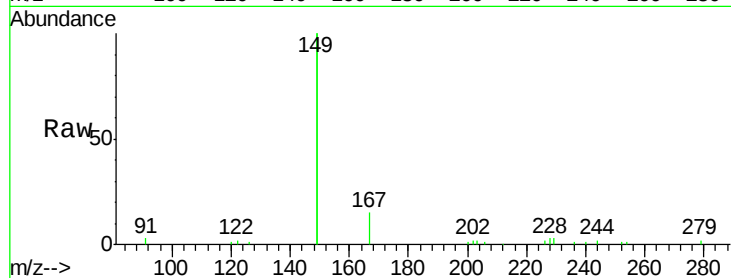
ClientSampleId :

PST-025-B125-031319

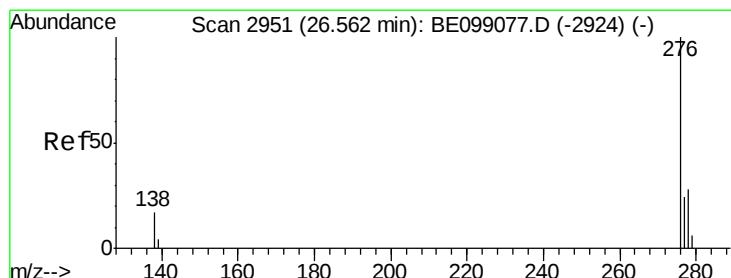
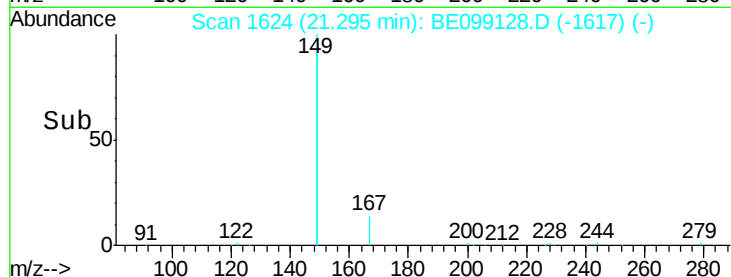
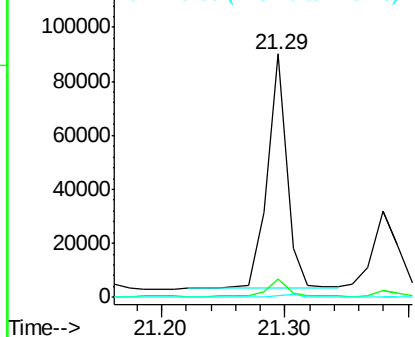
Tot Ion:	149	Resp:	97504
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.4	8.0
279	1.2	1.0	1.4

Manual Integrations
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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: 1.376 ng

RT: 26.55 min Scan# 2948

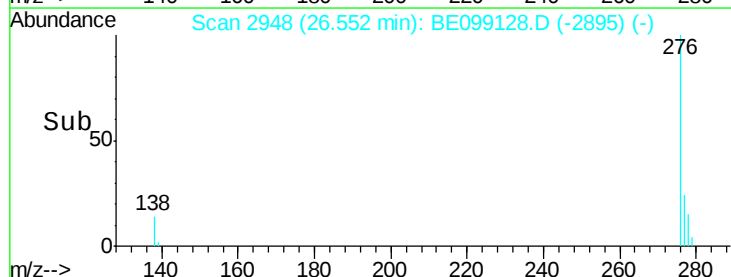
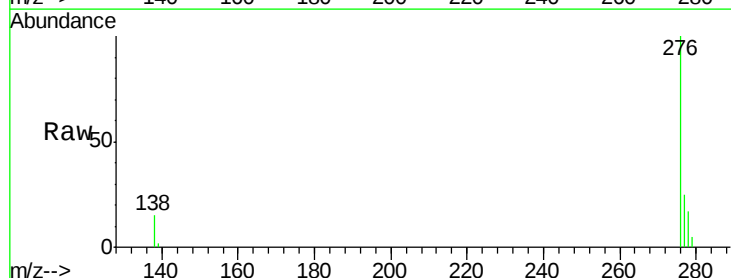
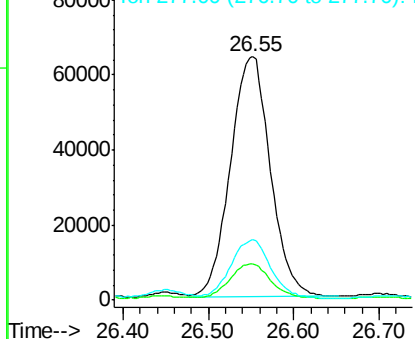
Delta R.T. -0.01 min

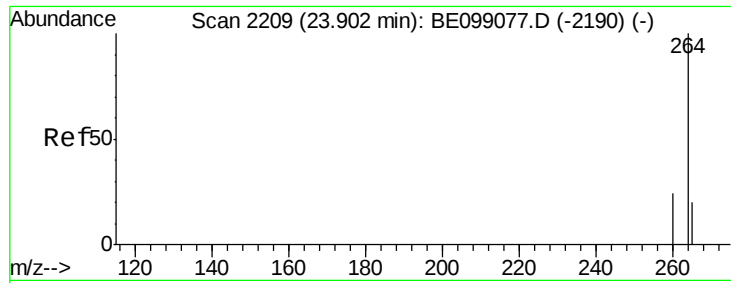
Lab File: BE099128.D

Acq: 24 Mar 2019 1:51

Tgt Ion:	276	Resp:	208130
Ion Ratio	Lower	Upper	
276	100		
138	14.8	13.8	20.8
277	24.5	19.5	29.3

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





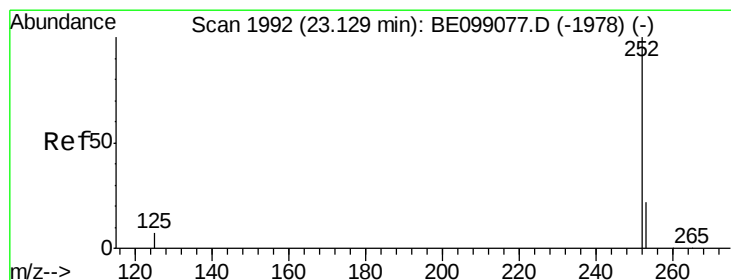
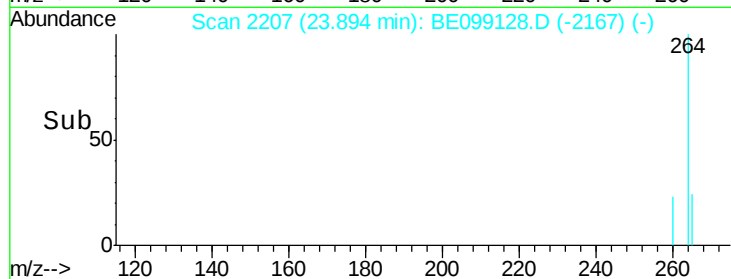
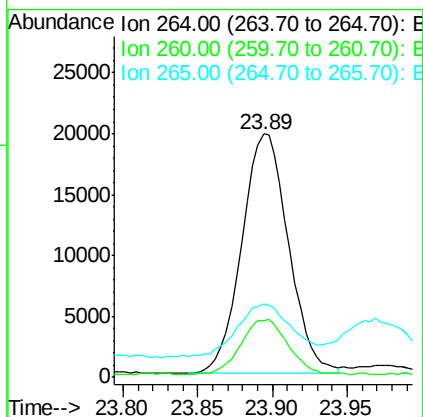
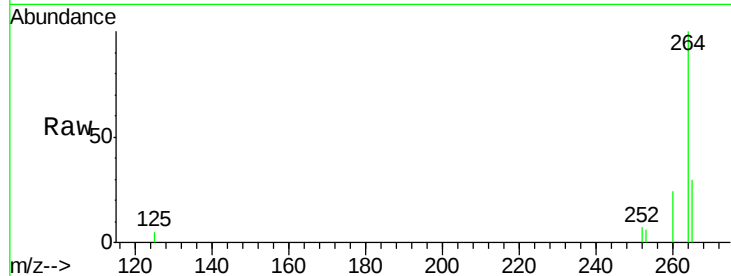
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.2	31.8
265	30.2	24.6	36.8

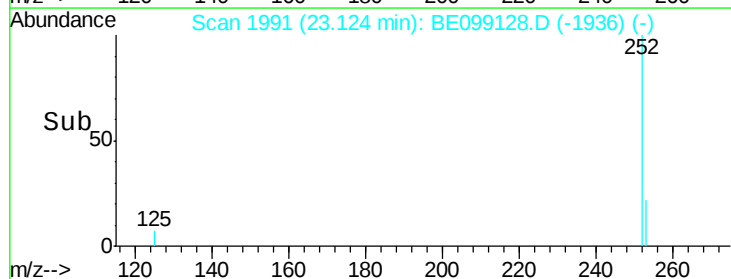
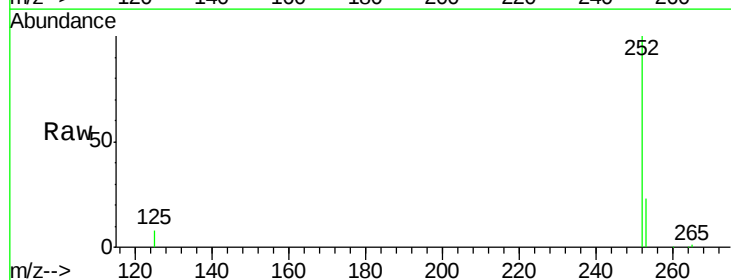
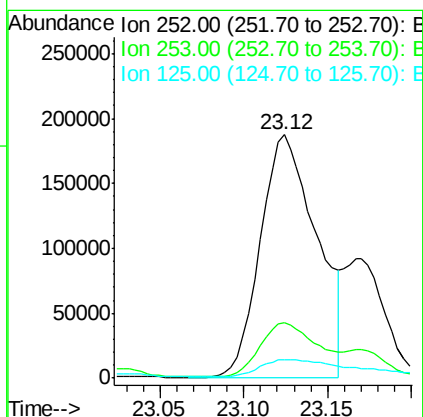
Manual Integrations
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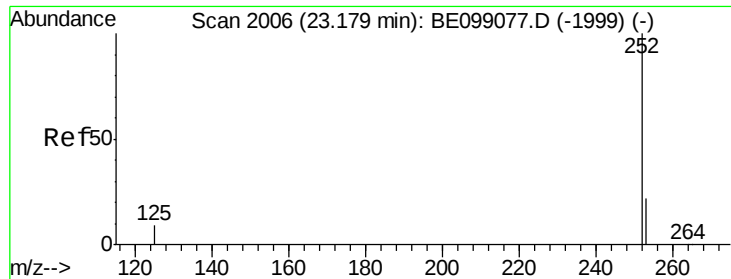
Sohil
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#35
Benzo(b)fluoranthene
Concen: 2.951 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	7.6	7.3	10.9





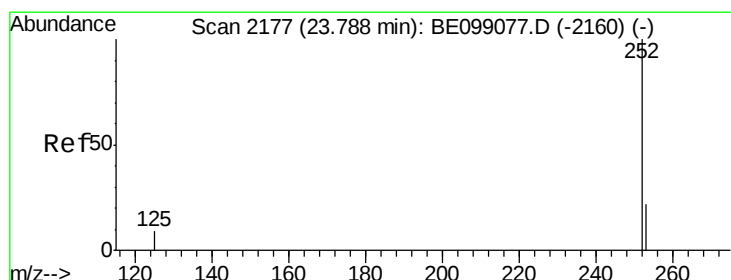
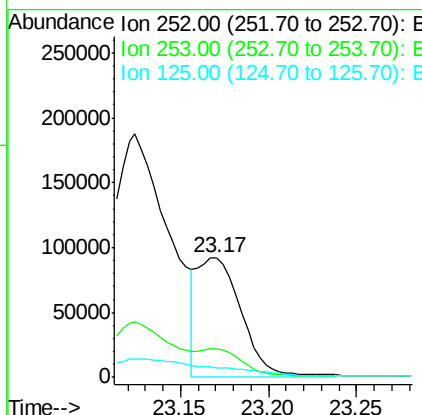
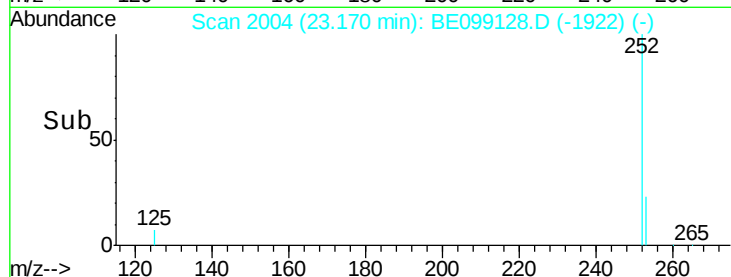
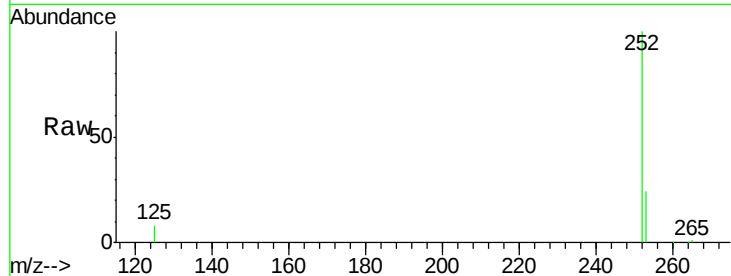
#36
Benzo(k)fluoranthene
Concen: 1.100 ng m
RT: 23.17 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.3	28.9
125	8.3	7.5	11.3

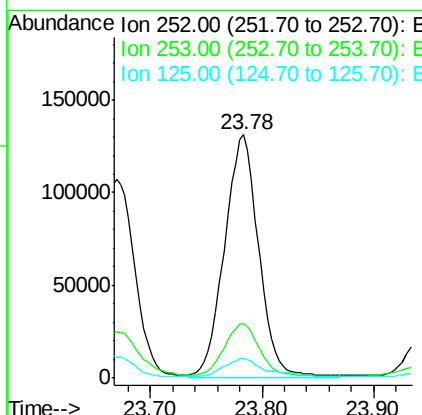
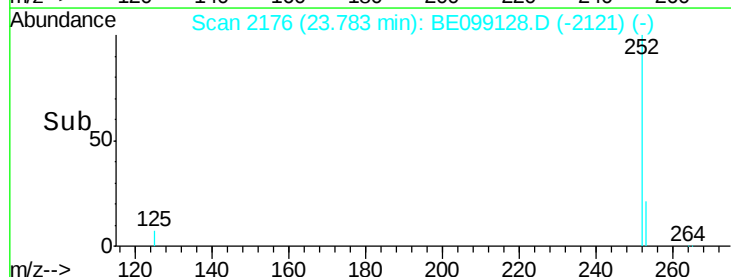
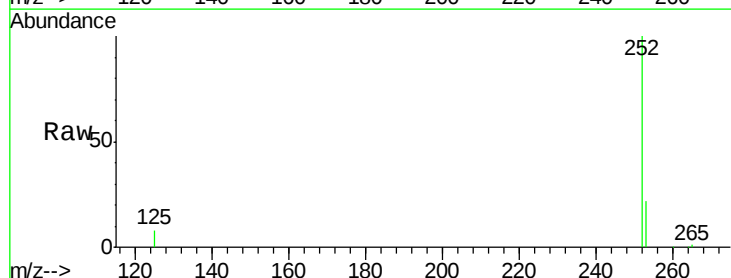
Manual Integrations
APPROVED

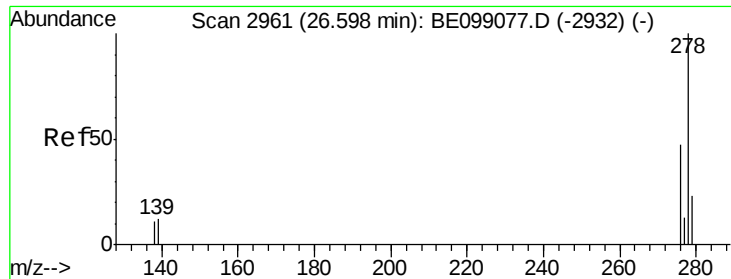
Sohil
3/25/2019 12:37:25 PM



#37
Benzo(a)pyrene
Concen: 2.063 ng m
RT: 23.78 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE099128.D
Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.9	29.9
125	8.1	9.0	13.4#





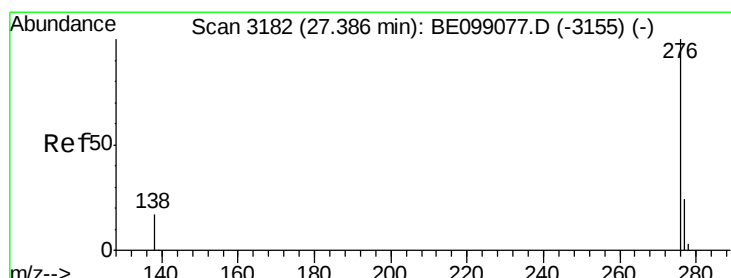
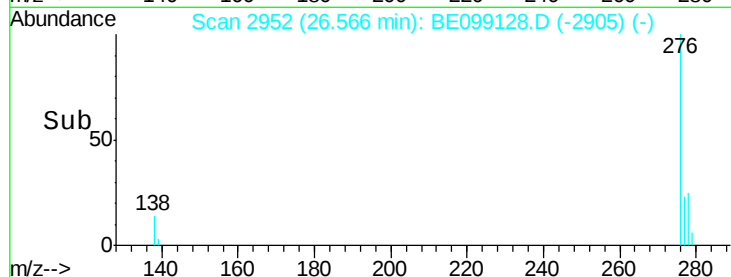
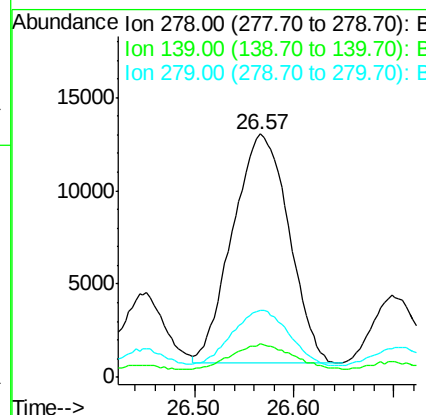
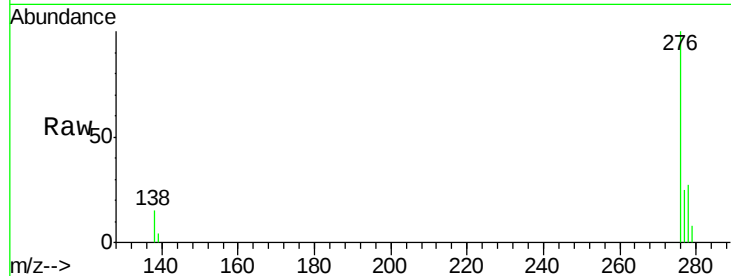
#38
 Dibenzo(a,h)anthracene
 Concen: 0.362 ng
 RT: 26.57 min Scan# 2952
 Delta R.T. -0.03 min
 Lab File: BE099128.D
 Acq: 24 Mar 2019 1:51

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B125-031319

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.8	17.6
279	27.7	21.1	31.7

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:37:25 PM



#39
 Benzo(g,h,i)perylene
 Concen: 1.574 ng
 RT: 27.36 min Scan# 3176
 Delta R.T. -0.02 min
 Lab File: BE099128.D
 Acq: 24 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.4	30.6
138	15.4	13.6	20.4

