

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022456.D
 Acq On : 31 Aug 2019 00:23
 Operator : HP/JU
 Sample : K4095-13 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-01-082819

Manual Integrations
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Quant Time: Aug 31 05:36:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	22515	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	80483	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	51106	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	118330	20.00	ng	0.00
76) Chrysene-d12	21.17	240	182325	20.00	ng	0.00
87) Perylene-d12	23.36	264	225885	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	37719	29.41	ng	0.00
7) Phenol-d6	6.72	99	46097	26.87	ng	0.00
23) Nitrobenzene-d5	8.70	82	31531	17.16	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	23271	22.25	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	70206	15.56	ng	0.00
79) Terphenyl-d14	19.59	244	165862	12.01	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.66	163	10820	2.434	ng	Qvalue # 94
71) Phenanthrene	16.99	178	48353	7.010	ng	99
72) Anthracene	17.09	178	21269	3.134	ng	98
75) Fluoranthene	19.02	202	125925	13.709	ng	97
78) Pyrene	19.39	202	129039	10.385	ng	98
81) Benzo(a)anthracene	21.15	228	95265	7.280	ng	98
83) Chrysene	21.20	228	80694	6.478	ng	98
86) Indeno(1,2,3-cd)pyrene	25.53	276	55733	4.448	ng	97
88) Benzo(b)fluoranthene	22.70	252	111048	7.077	ng	# 99
89) Benzo(k)fluoranthene	22.74	252	35252m	2.265	ng	
90) Benzo(a)pyrene	23.26	252	86524	6.212	ng	# 95
92) Benzo(a,h,i)perylene	26.21	276	54339	4.489	ng	97

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

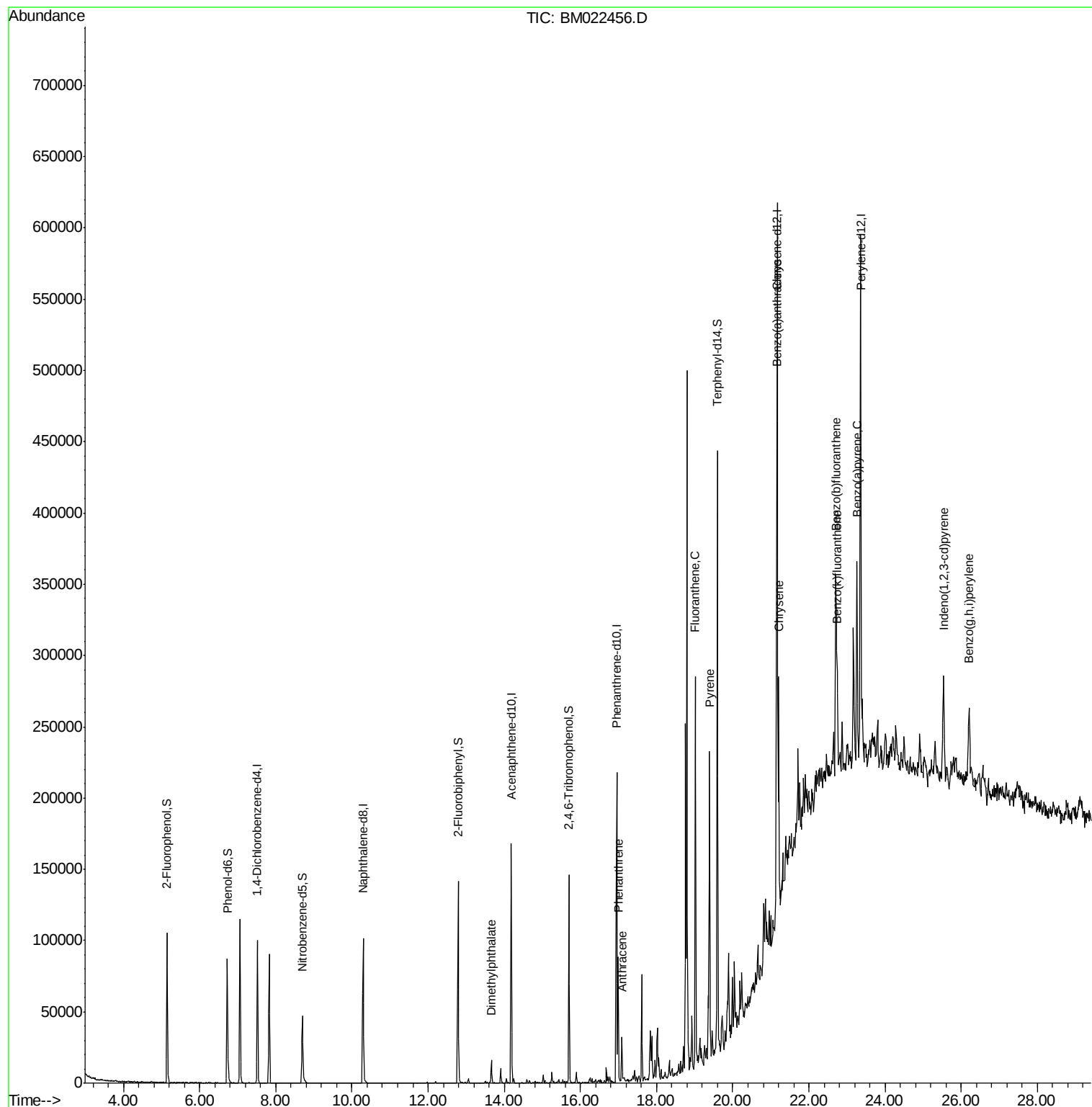
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
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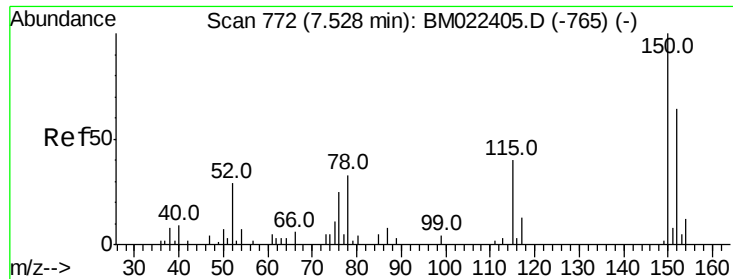
Instrument :
BNA_M
ClientSampleId :
SU-01-082819

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Quant Time: Aug 31 05:36:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

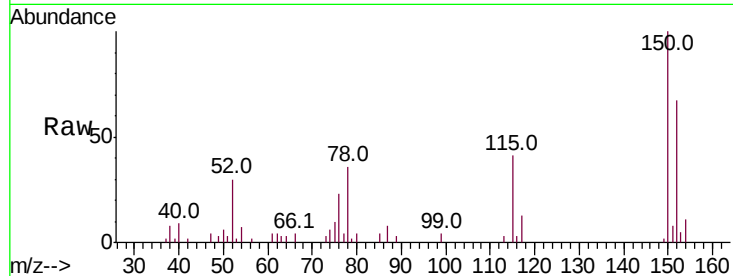
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Instrument :
BNA_M
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	125.4	188.0
115	60.8	50.3	75.5

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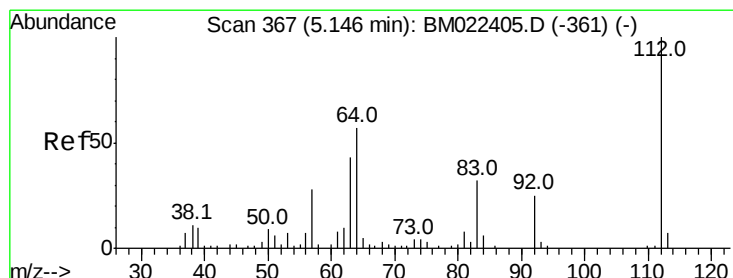
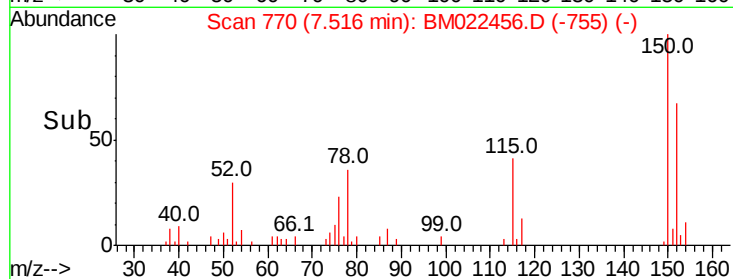
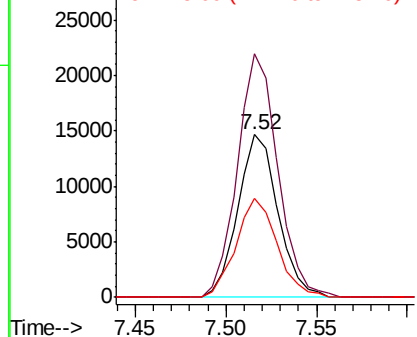


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

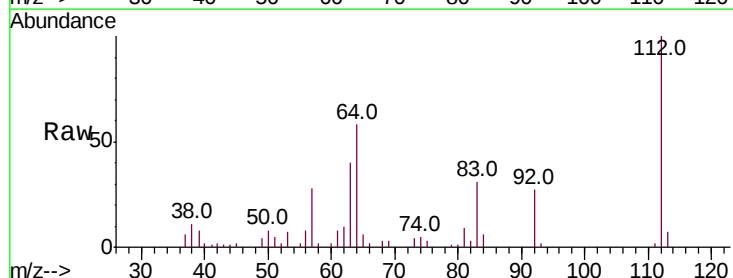
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 29.407 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.4	68.2
63	39.7	34.5	51.7

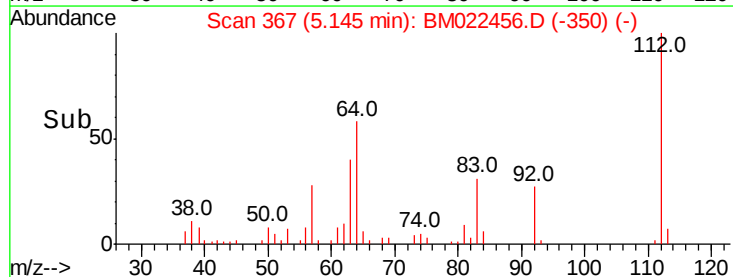
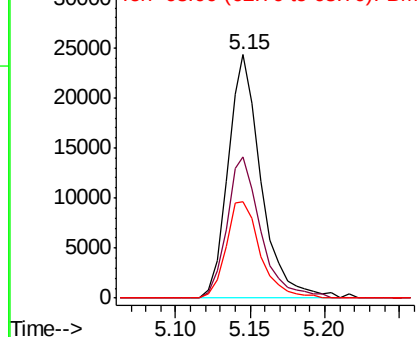


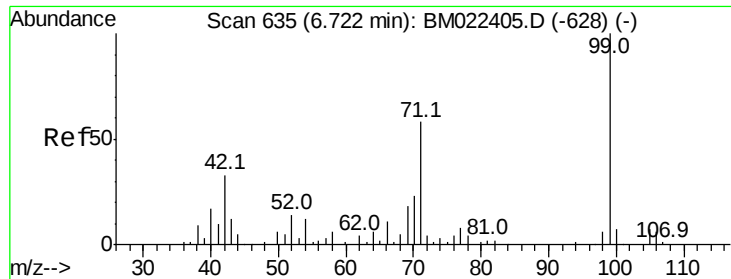
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 26.875 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

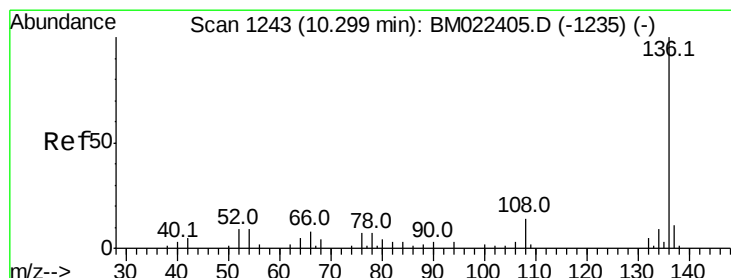
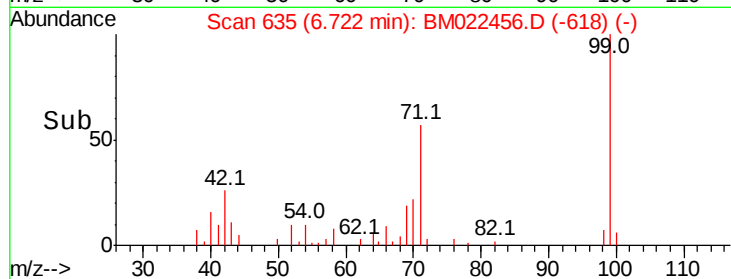
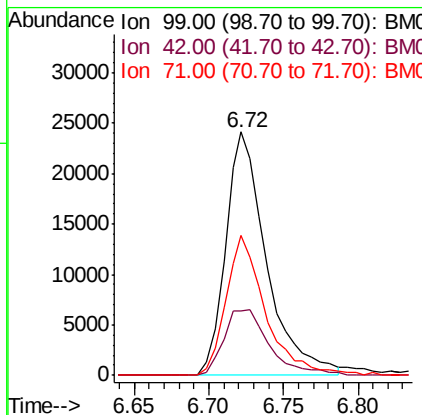
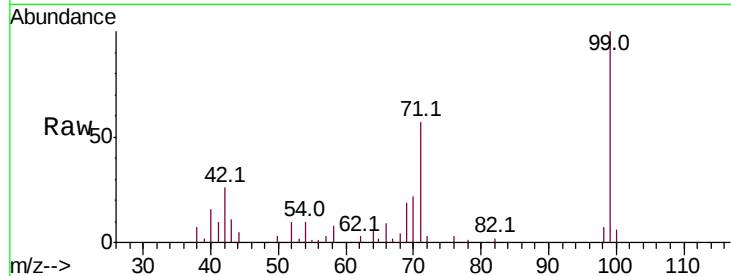
ClientSampleId :

SU-01-082819

Tot Ion:	99	Resp:	46097
Ion Ratio	Lower	Upper	
99	100		
42	26.5	26.3	39.5
71	57.4	46.6	69.8

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#21

Naphthalene-d8

Concen: 20.000 ng

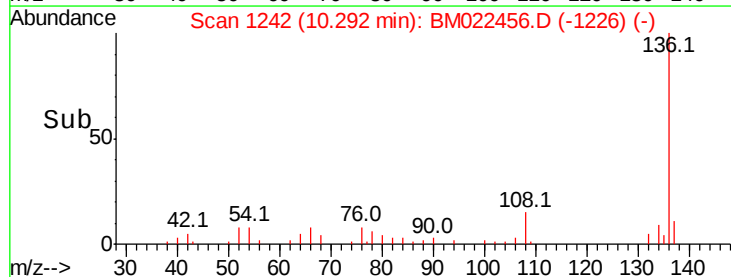
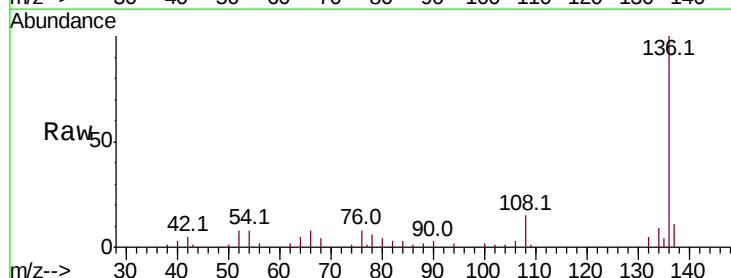
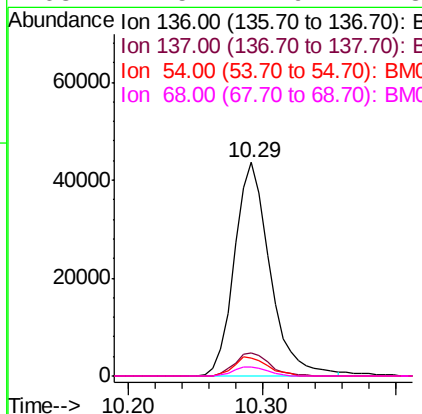
RT: 10.29 min Scan# 1242

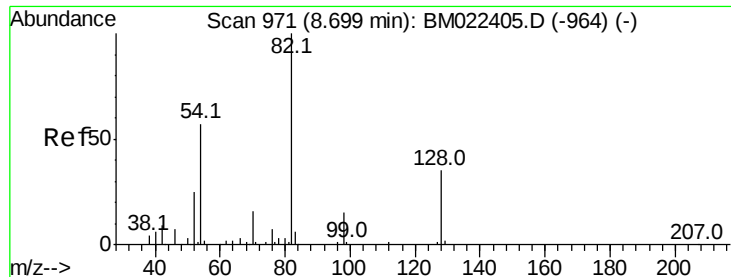
Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:	136	Resp:	80483
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	8.1	7.0	10.6
68	4.5	2.9	4.3#





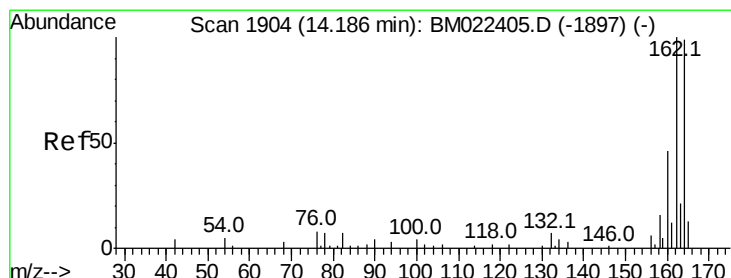
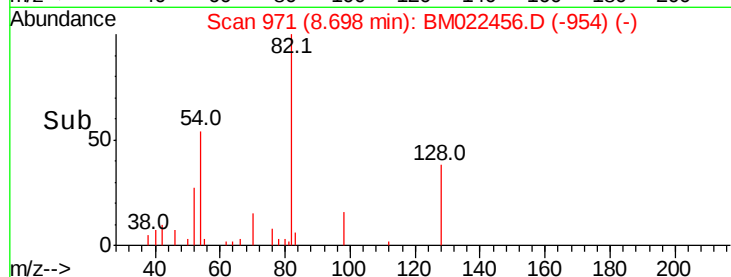
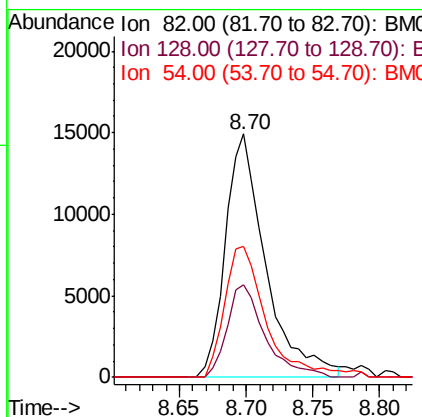
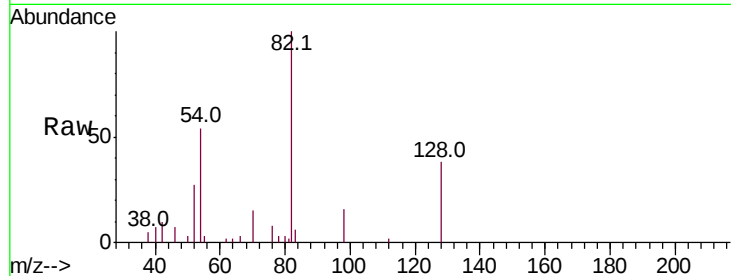
#23
Nitrobenzene-d5
Concen: 17.160 ng
RT: 8.70 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Instrument :
BNA_M
ClientSampleId :
SU-01-082819

Tot Ion	82	Resp	31531
Ion Ratio	Lower	Upper	
82	100		
128	37.9	27.9	41.9
54	53.6	45.2	67.8

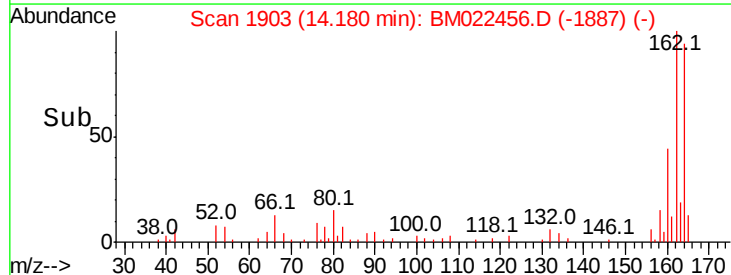
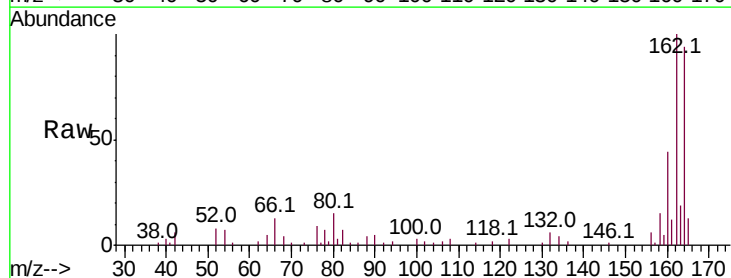
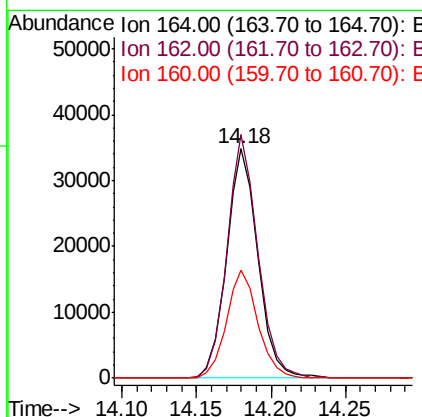
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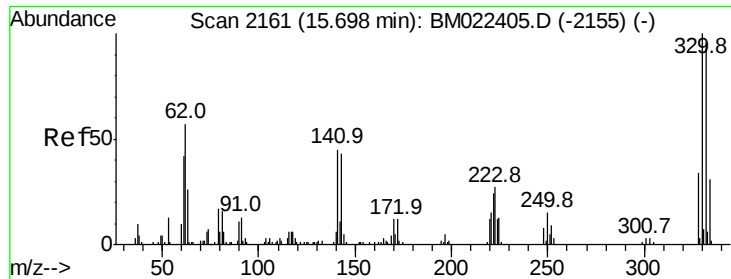
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion	164	Resp	51106
Ion Ratio	Lower	Upper	
164	100		
162	106.1	80.6	121.0
160	46.9	37.3	55.9





#42

2,4,6-Tribromophenol

Concen: 22.253 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

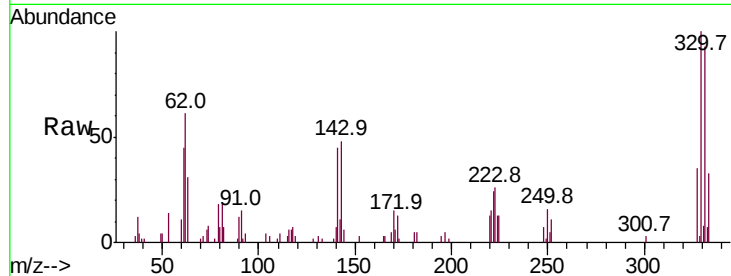
ClientSampleId :

SU-01-082819

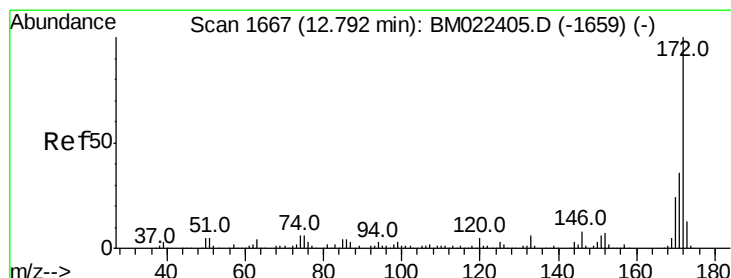
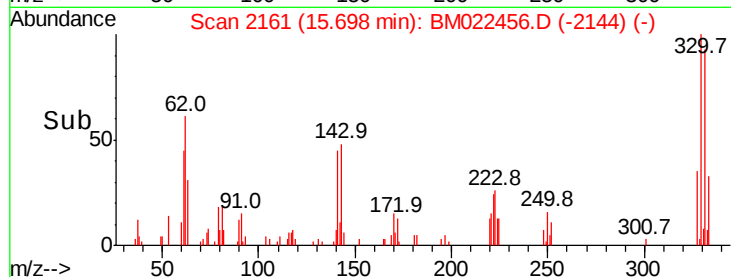
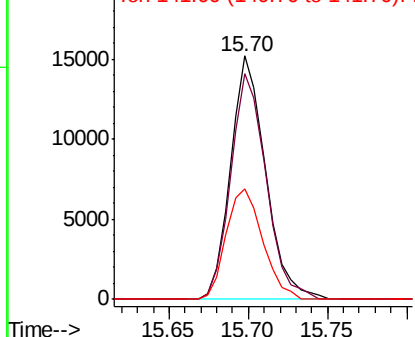
Tot Ion:	330	Resp:	23271
Ion Ratio	Lower	Upper	
330	100		
332	93.4	77.8	116.8
141	47.2	35.6	53.4

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 15.562 ng

RT: 12.79 min Scan# 1666

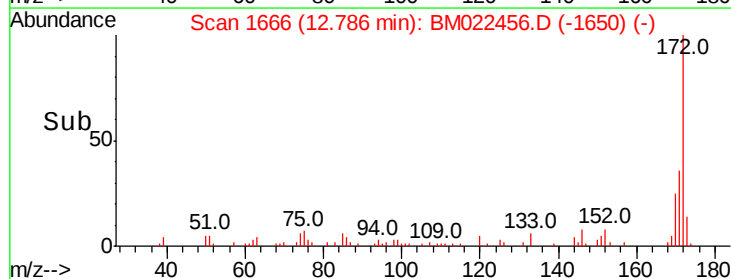
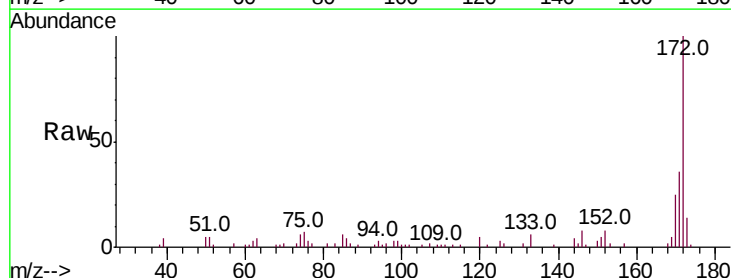
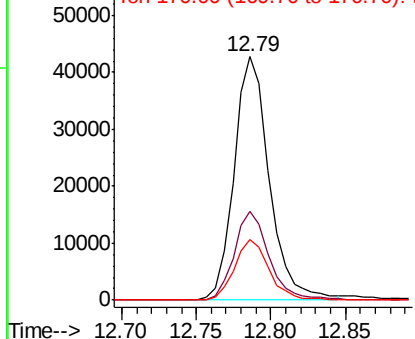
Delta R.T. -0.01 min

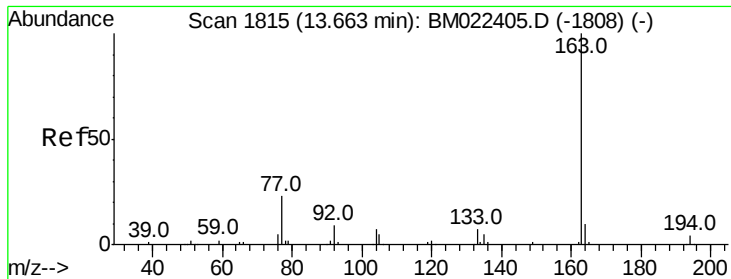
Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:	172	Resp:	70206
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.5	42.7
170	25.1	18.9	28.3

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.434 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

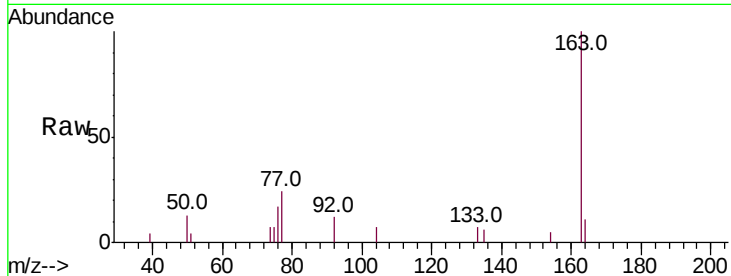
ClientSampleId :

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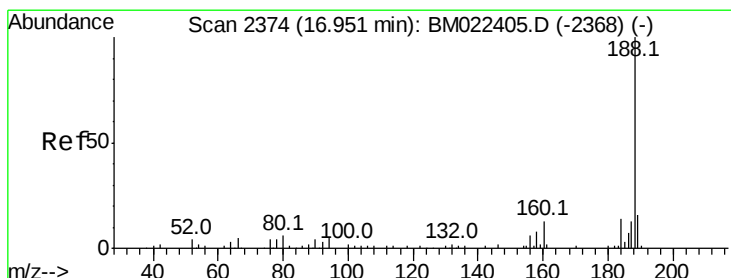
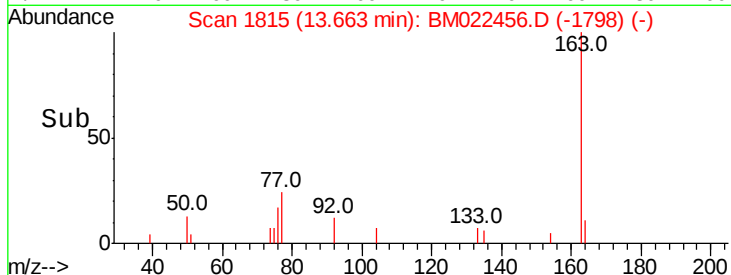
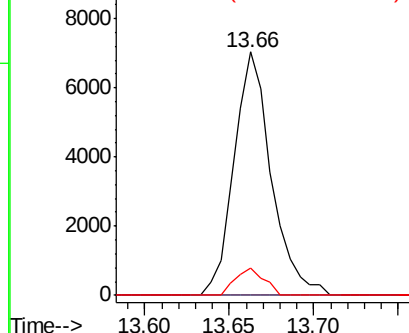
Tot Ion:163	Resp:	10820
Ion Ratio	Lower	Upper
163	100	
194	0.0	3.4 5.2#
164	11.3	8.2 12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

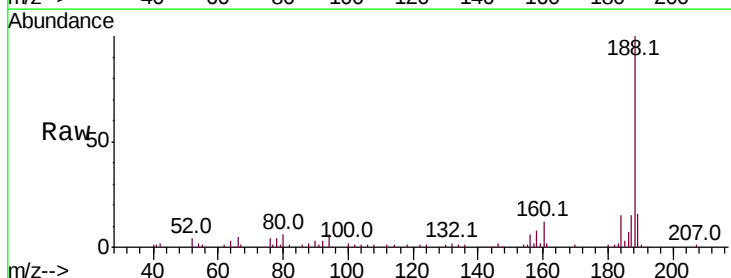
RT: 16.95 min Scan# 2374

Delta R.T. -0.00 min

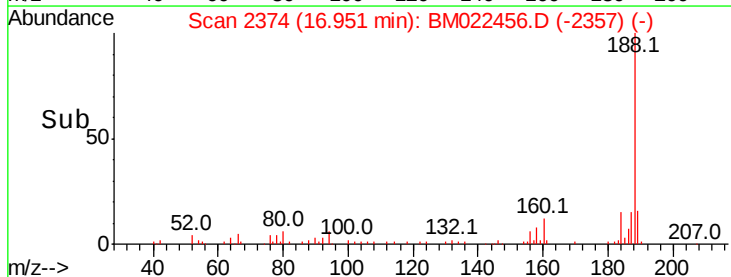
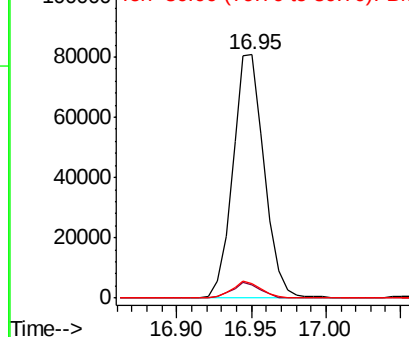
Lab File: BM022456.D

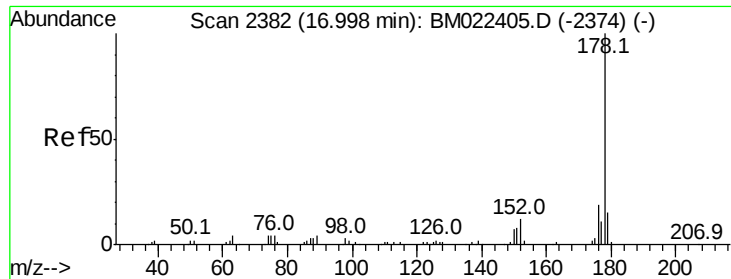
Acq: 31 Aug 2019 00:23

Tgt Ion:188	Resp:	118330
Ion Ratio	Lower	Upper
188	100	
94	5.6	4.4 6.6
80	6.0	5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





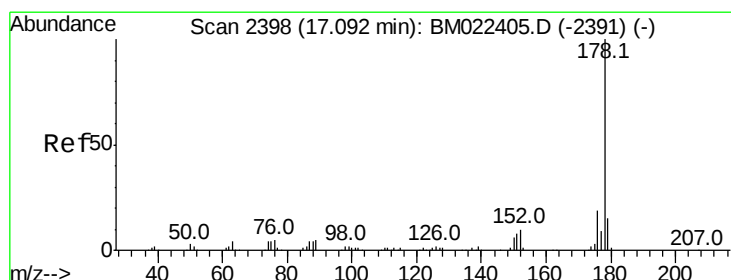
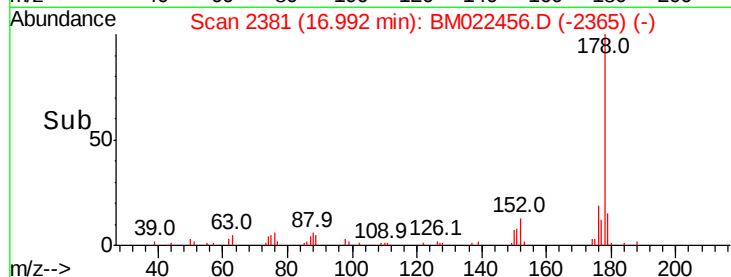
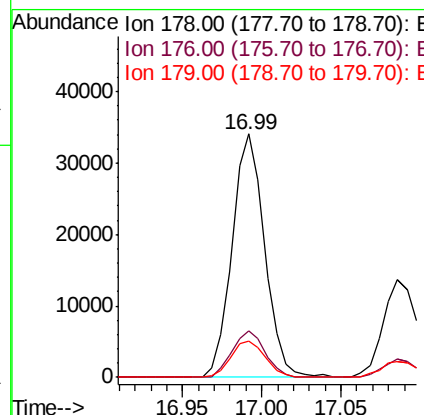
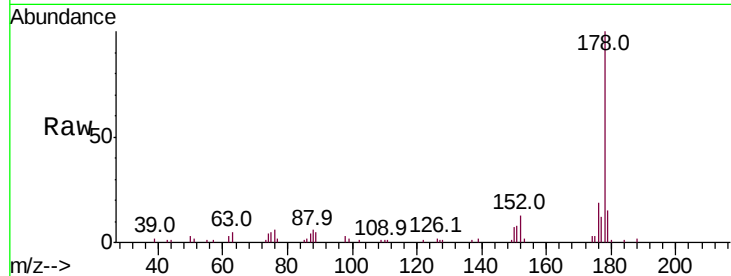
#71
Phenanthrene
Concen: 7.010 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Instrument :
BNA_M
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.9	12.3	18.5

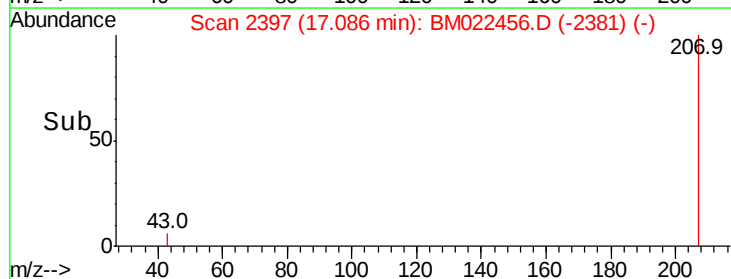
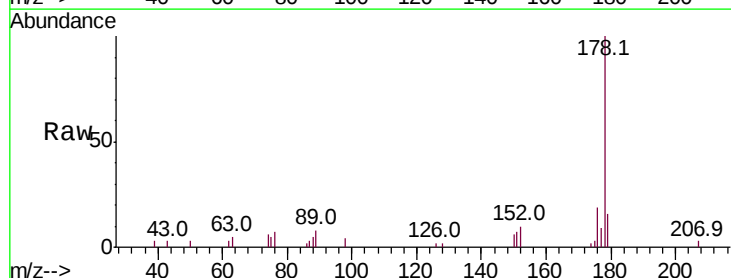
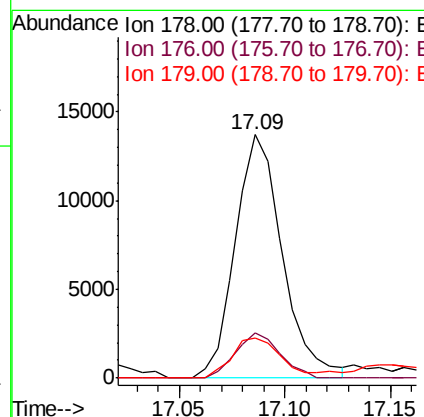
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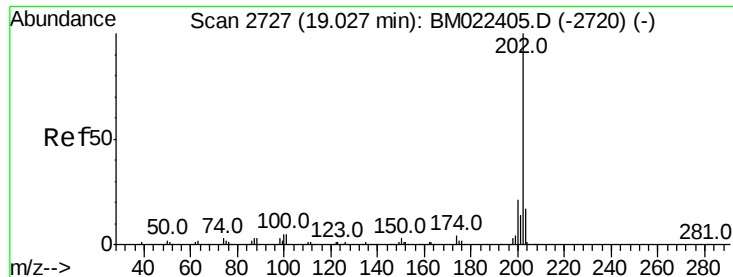
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#72
Anthracene
Concen: 3.134 ng
RT: 17.09 min Scan# 2397
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.3	11.8	17.6





#75

Fluoranthene

Concen: 13.709 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

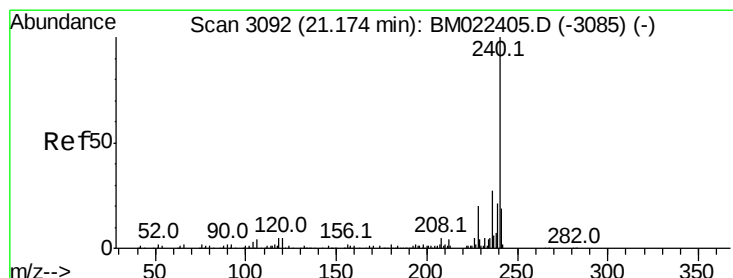
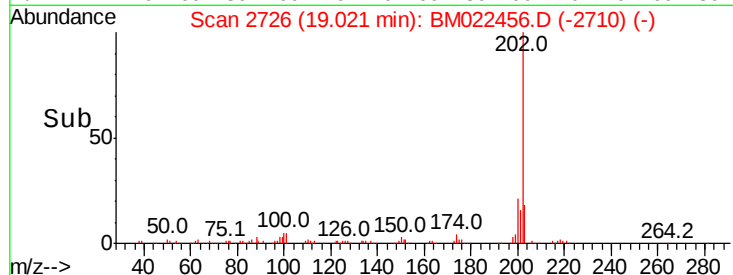
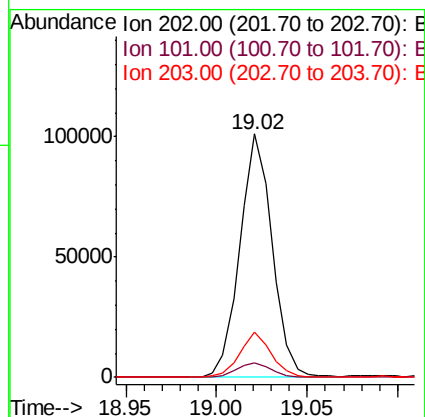
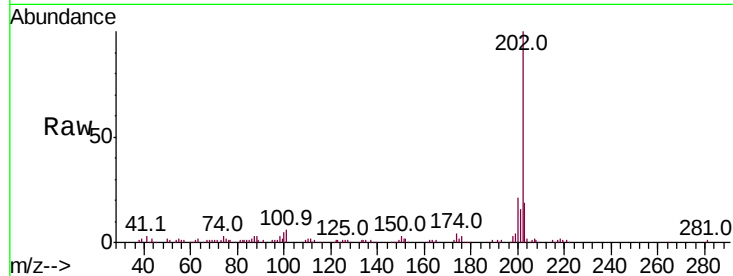
ClientSampled :

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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	5.9	0.0	25.1
203	18.7	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

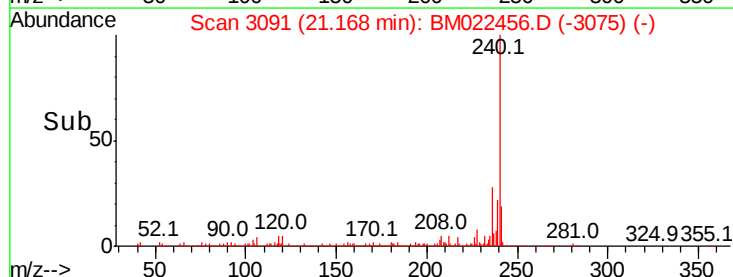
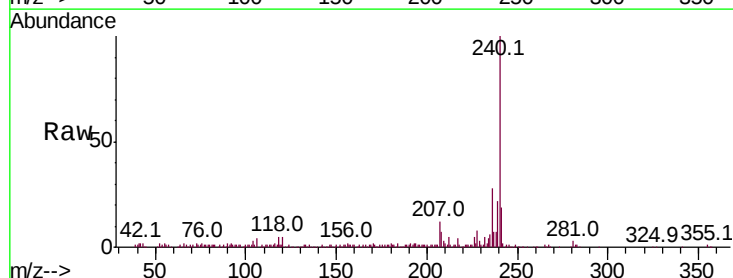
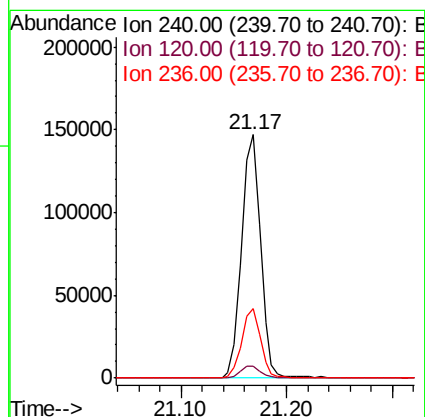
RT: 21.17 min Scan# 3091

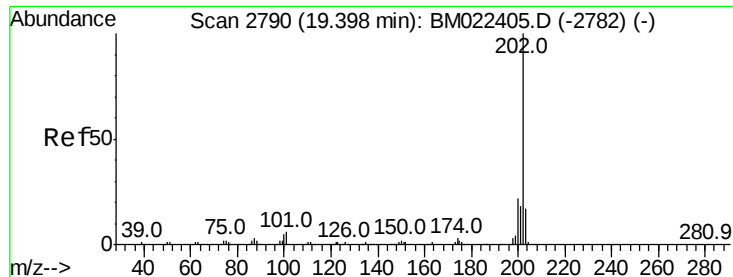
Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	4.7	3.9	5.9
236	28.3	21.4	32.2





#78

Pvrene

Concen: 10.385 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

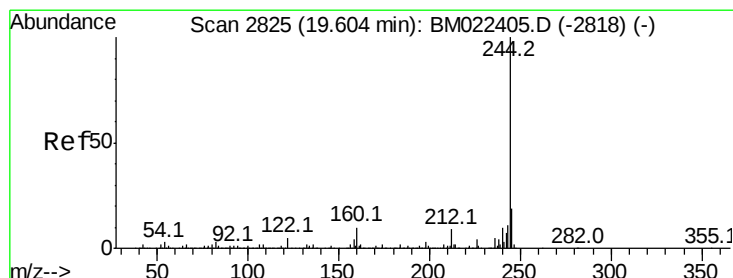
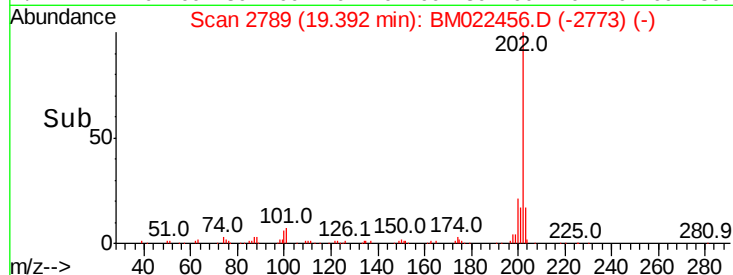
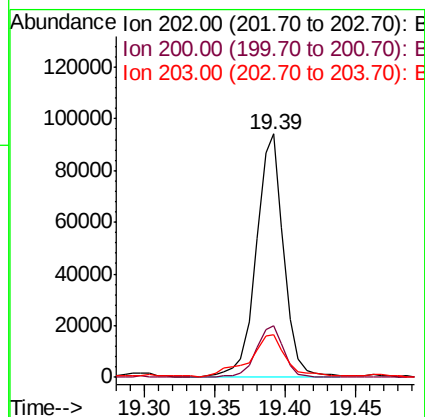
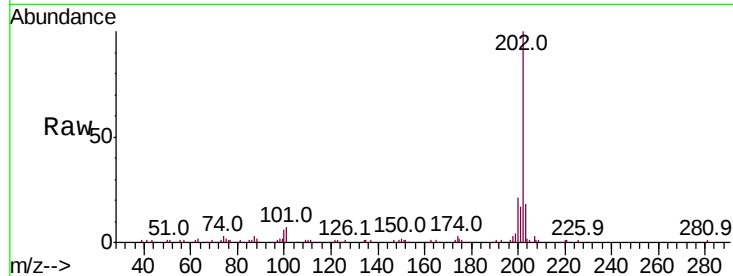
ClientSampleId :

SU-01-082819

Tot Ion:	202	Resp:	129039
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.6	13.8	20.8

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#79

Terphenyl-d14

Concen: 12.006 ng

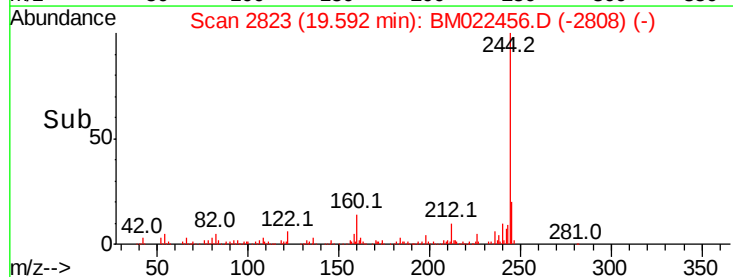
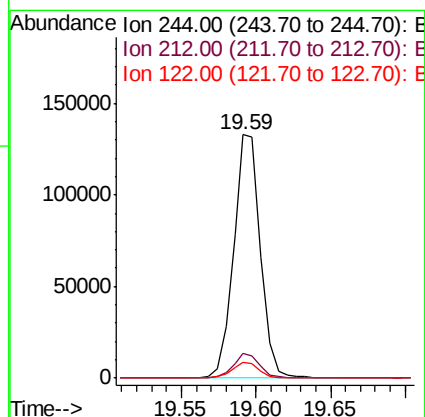
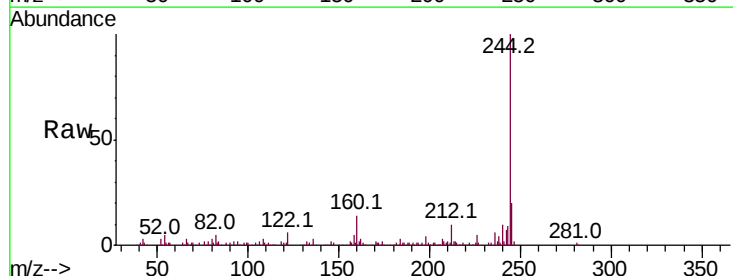
RT: 19.59 min Scan# 2823

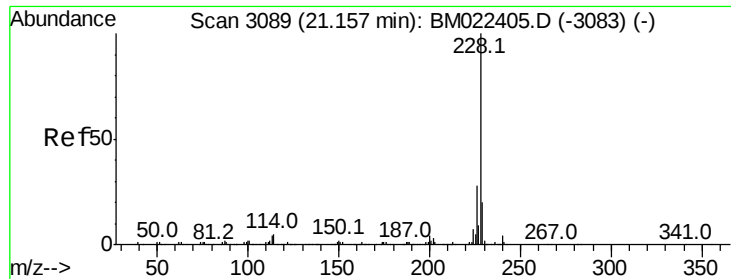
Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:	244	Resp:	165862
Ion Ratio		Lower	Upper
244	100		
212	10.1	7.0	10.4
122	6.5	3.9	5.9





#81

Benzo(a)anthracene

Concen: 7.280 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

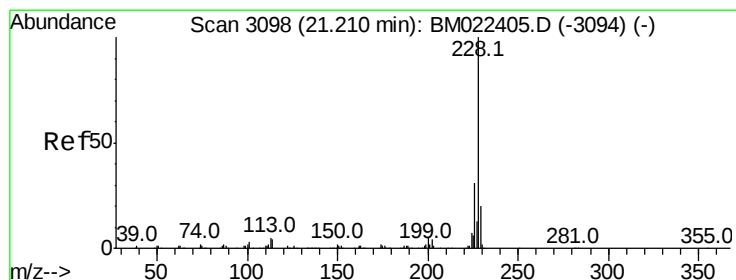
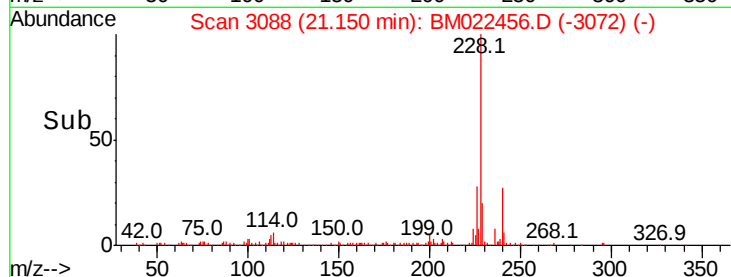
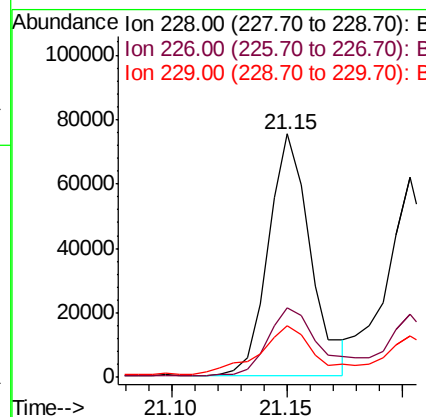
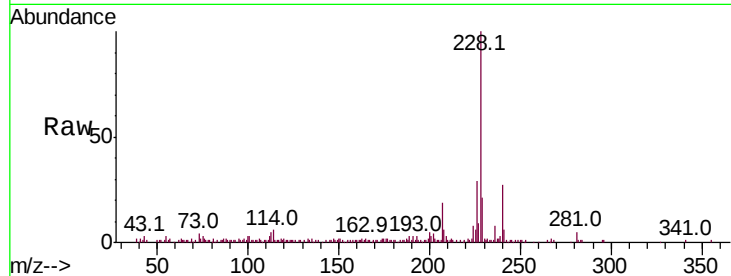
ClientSampleId :

SU-01-082819

Tot Ion:	228	Resp:	95265
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.6	34.0
229	21.4	15.9	23.9

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#83

Chrysene

Concen: 6.478 ng

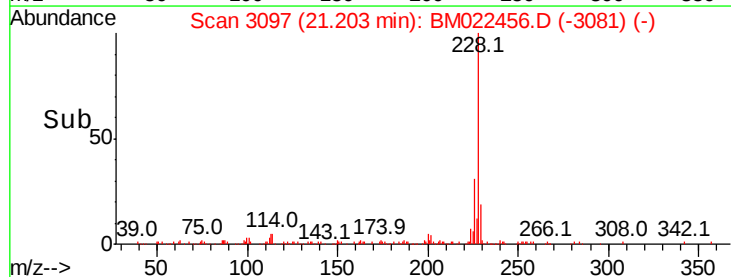
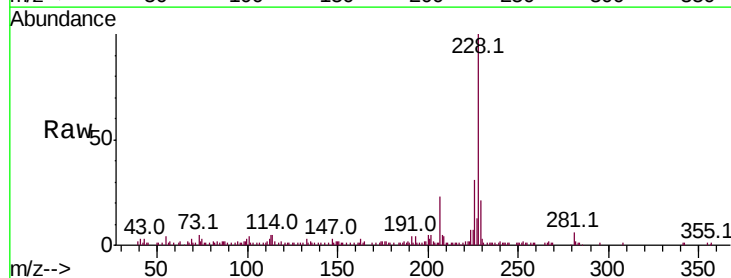
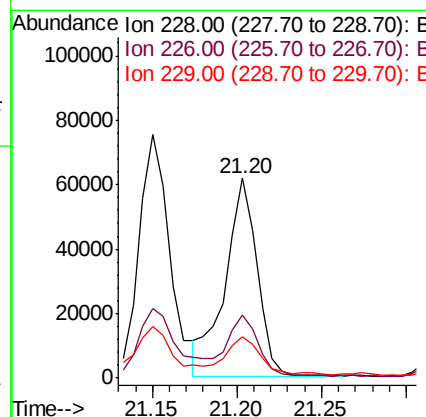
RT: 21.20 min Scan# 3097

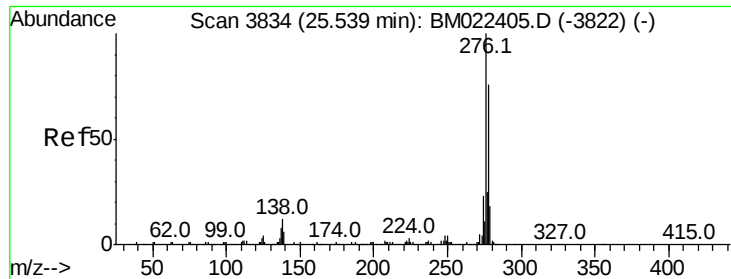
Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:	228	Resp:	80694
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.5	36.7
229	20.6	15.7	23.5





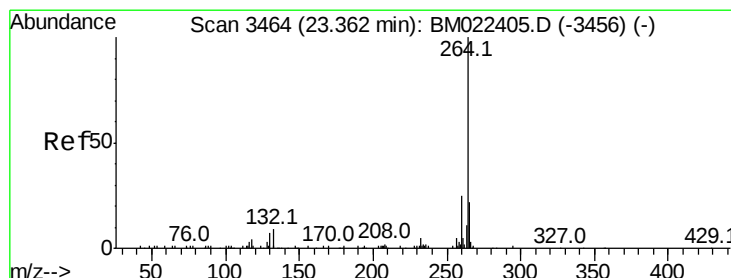
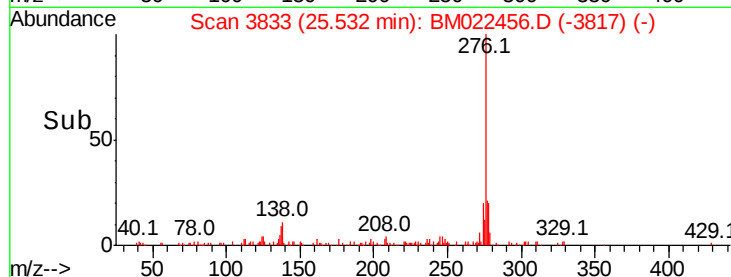
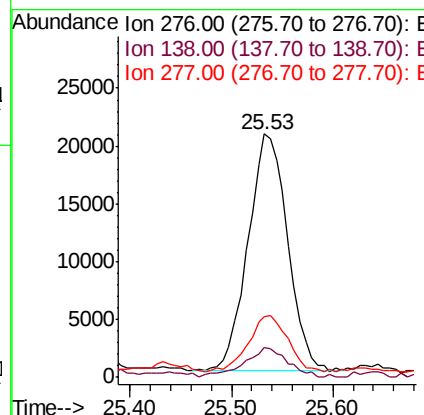
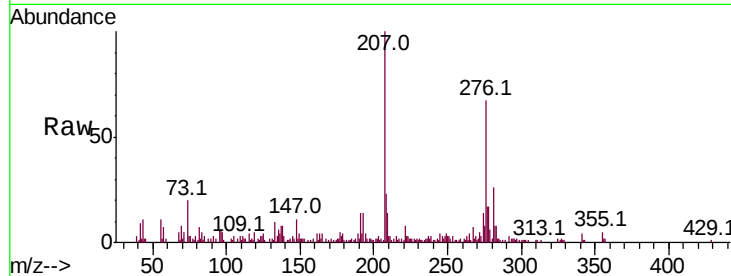
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.448 ng
 RT: 25.53 min Scan# 3833
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

Instrument :
 BNA_M
 ClientSampleId :
 SU-01-082819

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	9.1	13.7
277	24.0	20.0	30.0

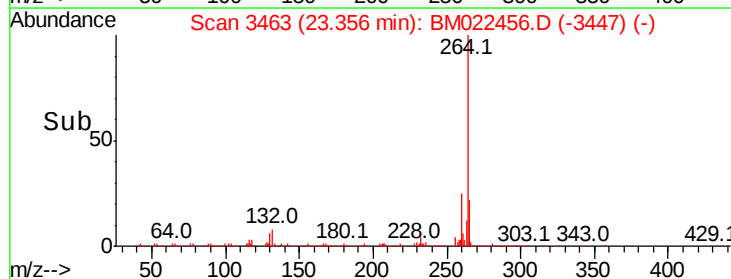
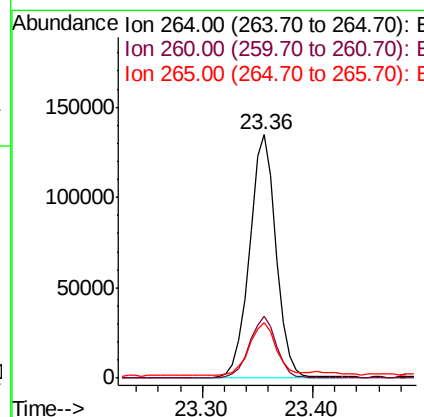
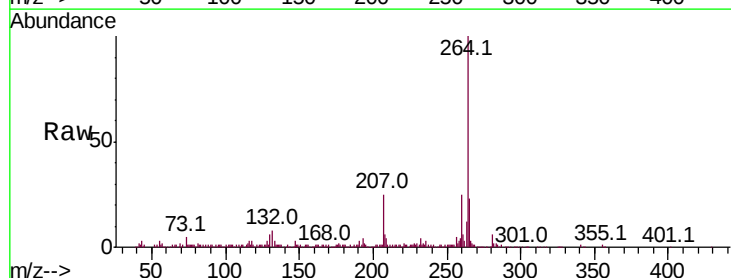
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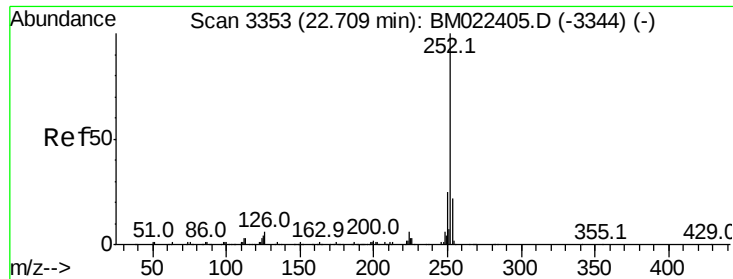
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.2
265	23.0	18.2	27.2





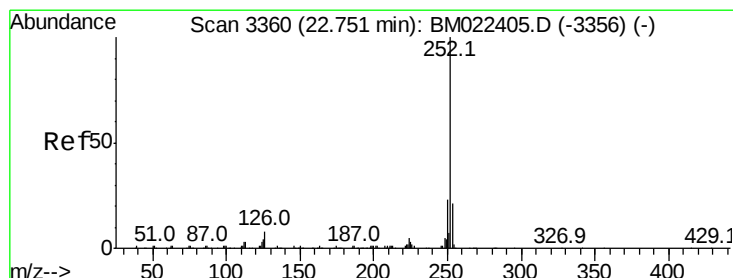
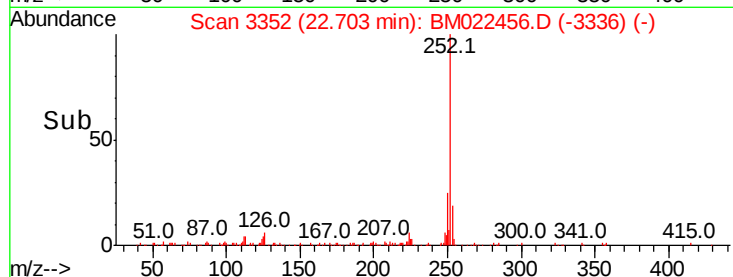
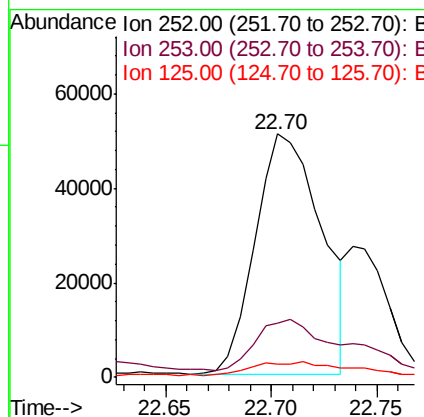
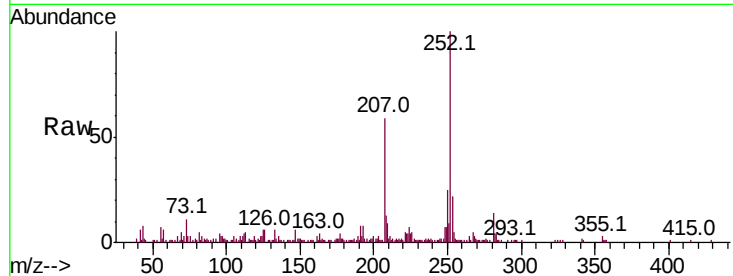
#88
Benzo(b)fluoranthene
Concen: 7.077 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Instrument :
BNA_M
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	5.7	3.5	5.3

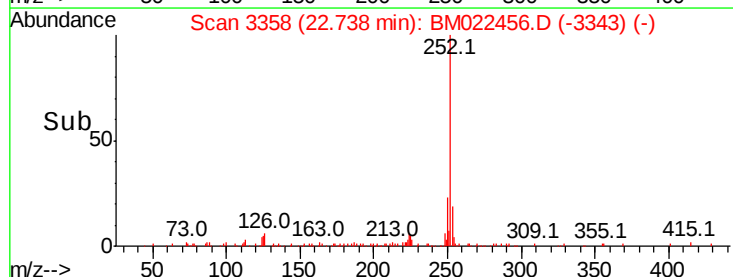
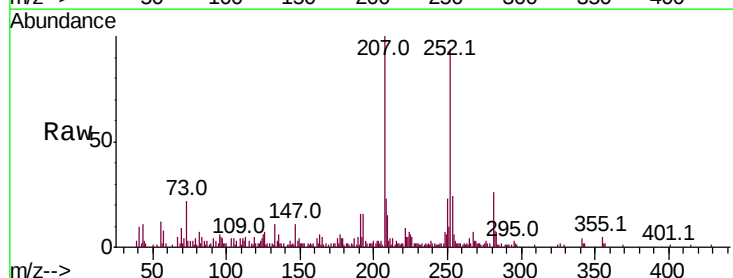
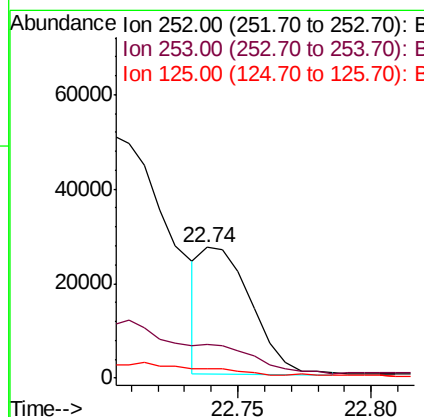
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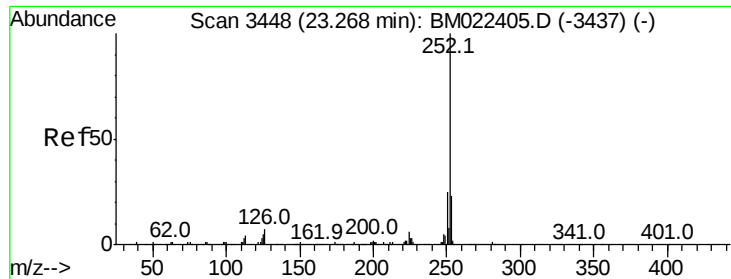
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#89
Benzo(k)fluoranthene
Concen: 2.265 ng m
RT: 22.74 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.4
125	6.9	3.7	5.5





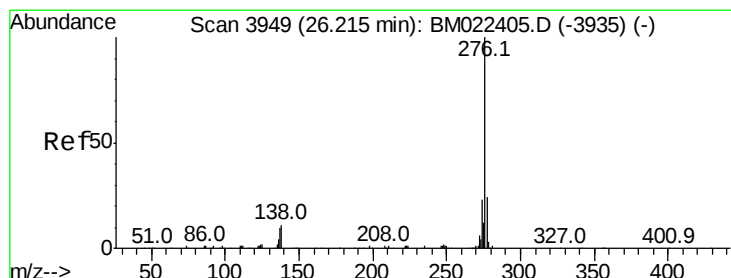
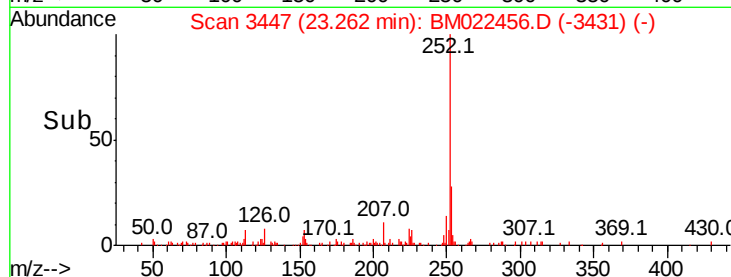
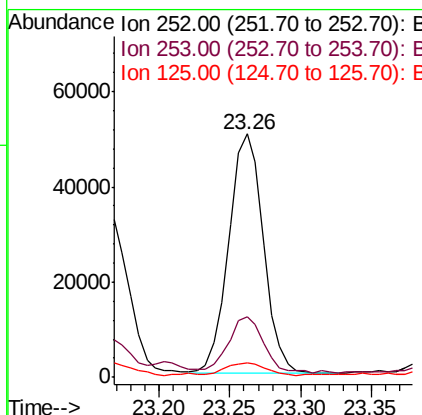
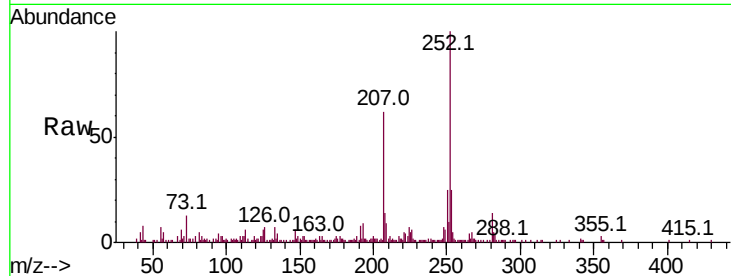
#90
Benzo(a)pyrene
Concen: 6.212 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Instrument :
BNA_M
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	6.2	3.8	5.8

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#92
Benzo(g,h,i)perylene
Concen: 4.489 ng
RT: 26.21 min Scan# 3948
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.4	29.0
138	12.0	8.8	13.2

