

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
 Data File : BM020566.D
 Acq On : 25 May 2019 06:20
 Operator : JU/SJ
 Sample : K3026-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-5-S

Manual Integrations
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mohammad
 5/28/2019 8:41:34 AM

Quant Time: May 27 03:53:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 16:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	94454	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	366625	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	259152	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	605329	20.00	ng	0.00
76) Chrysene-d12	21.27	240	458186	20.00	ng	0.00
87) Perylene-d12	23.51	264	517523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	104376	21.68	ng	0.00
7) Phenol-d6	6.84	99	147410	20.29	ng	0.00
23) Nitrobenzene-d5	8.83	82	96554	11.05	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	92801	17.87	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	178117	8.62	ng	0.00
79) Terphenyl-d14	19.70	244	261621	10.32	ng	0.00
Target Compounds						
71) Phenanthrene	17.12	178	71477	2.174	ng	99
75) Fluoranthene	19.14	202	133045	2.909	ng	98
78) Pyrene	19.50	202	117515	4.085	ng	97
81) Benzo(a)anthracene	21.25	228	64244	2.026	ng	# 93
83) Chrysene	21.30	228	63920	2.086	ng	# 93
88) Benzo(b)fluoranthene	22.83	252	80651m	2.381	ng	

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

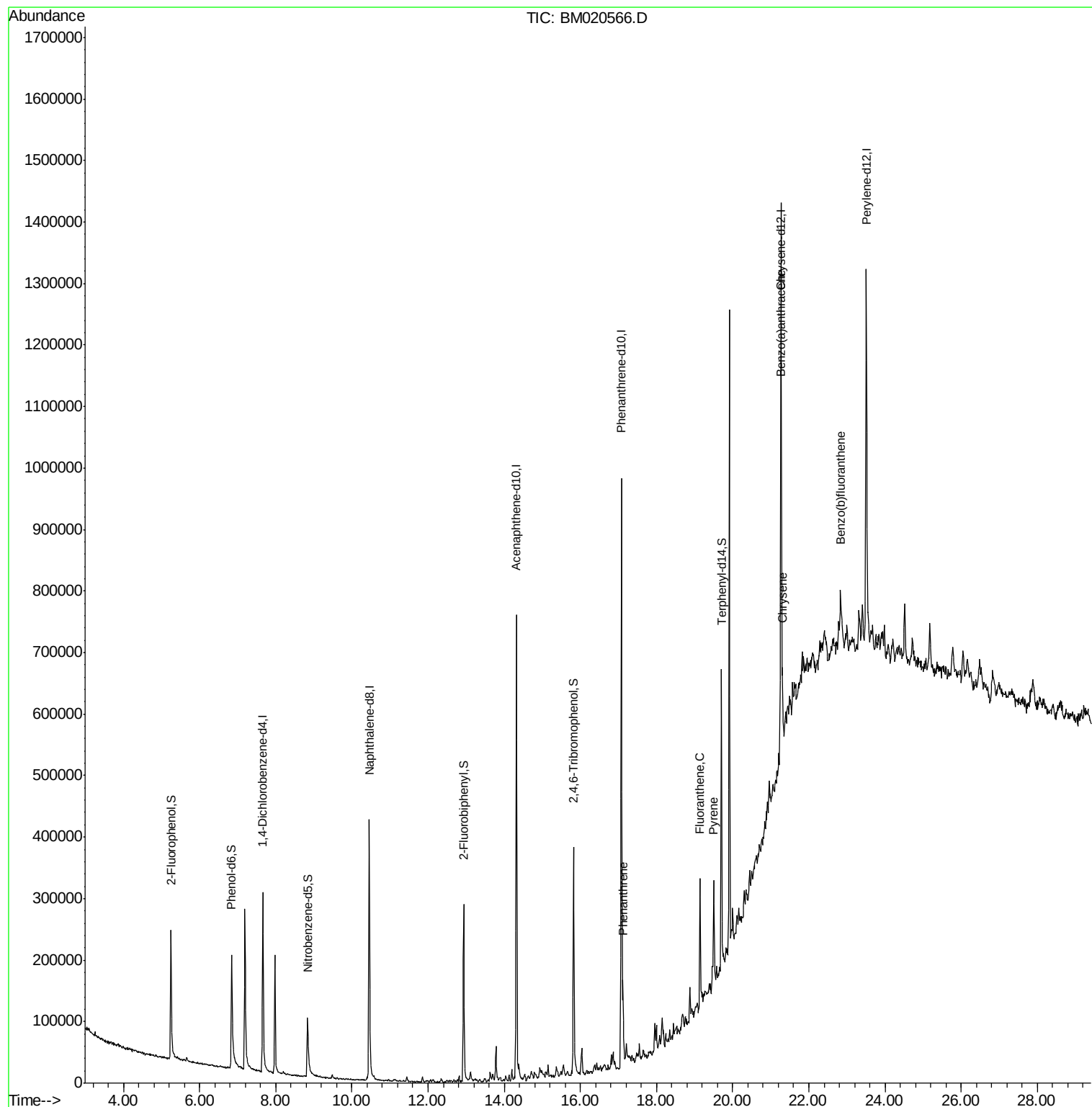
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
Data File : BM020566.D
Acq On : 25 May 2019 06:20
Operator : JU/SJ
Sample : K3026-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

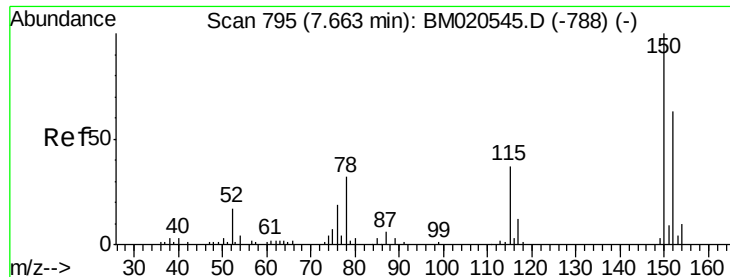
Instrument :
BNA_M
ClientSampleId :
TP-5-S

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 24 16:07:05 2019
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#1

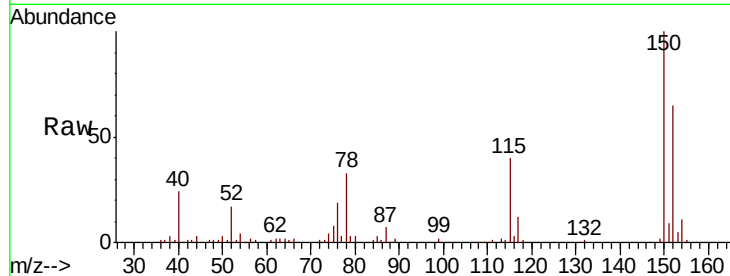
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Instrument :
BNA_M
ClientSampled :
TP-5-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.6	190.0
115	61.7	46.6	70.0

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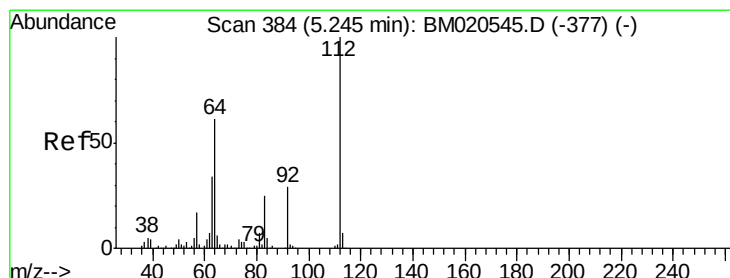
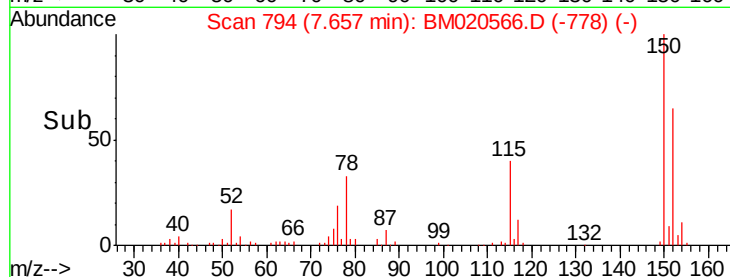
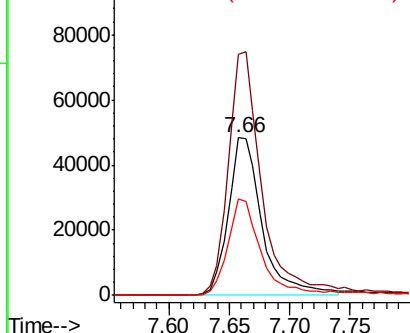


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

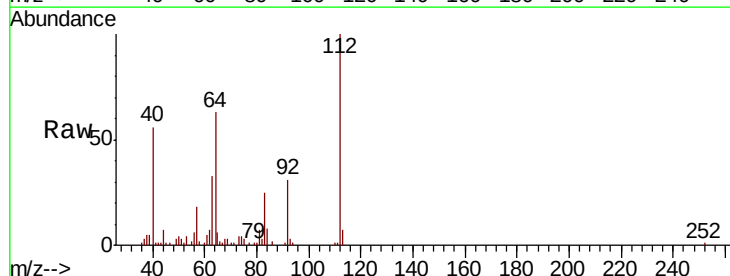
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.679 ng
RT: 5.25 min Scan# 384
Delta R.T. 0.00 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	48.6	73.0
63	33.3	27.4	41.0

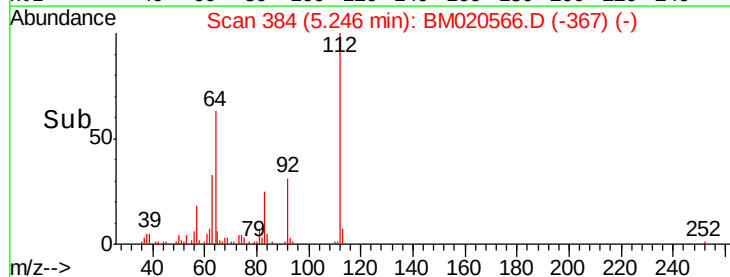
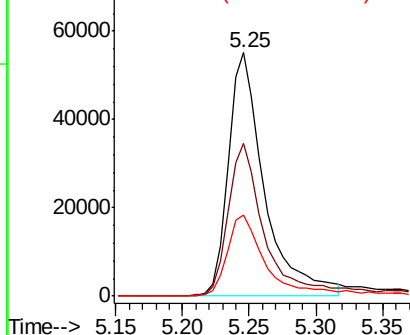


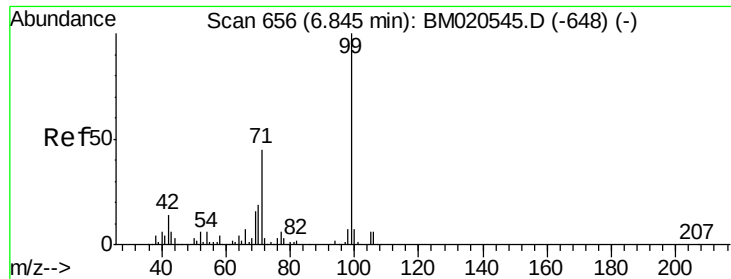
Abundance

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: 20.285 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

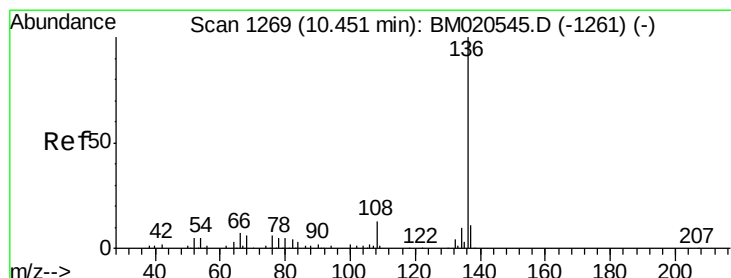
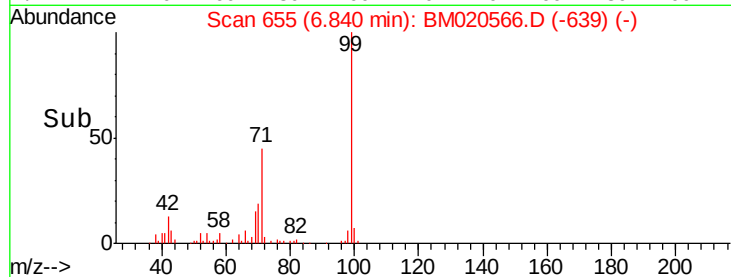
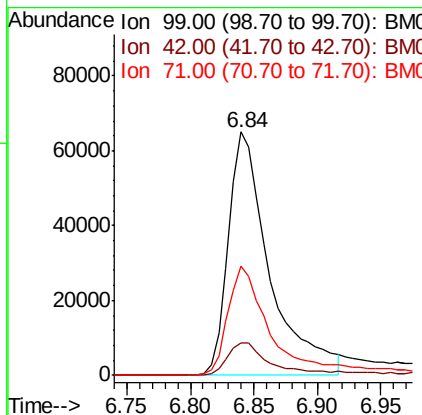
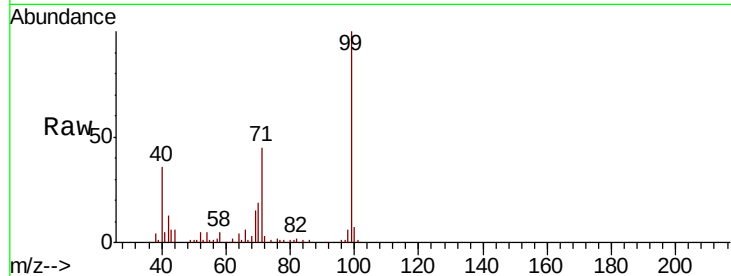
ClientSampled :

TP-5-S

Tot Ion:	99	Resp:	147410
Ion Ratio	Lower	Upper	
99	100		
42	13.4	10.8	16.2
71	44.8	36.3	54.5

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#21

Naphthalene-d8

Concen: 20.000 ng

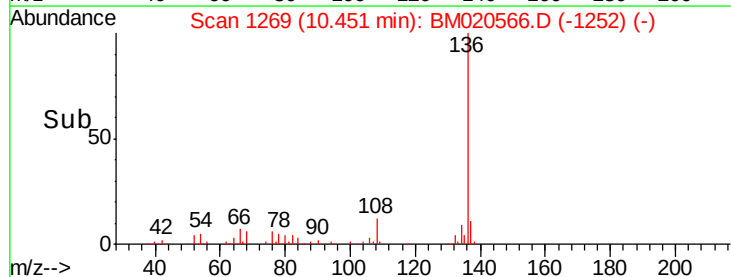
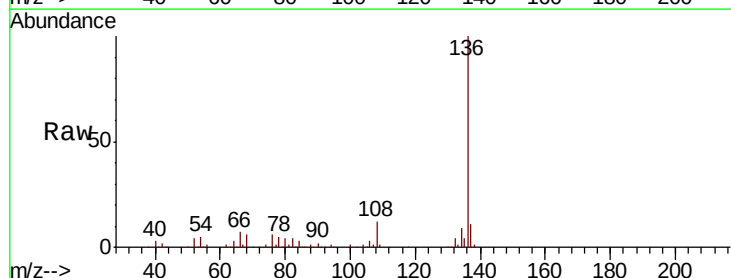
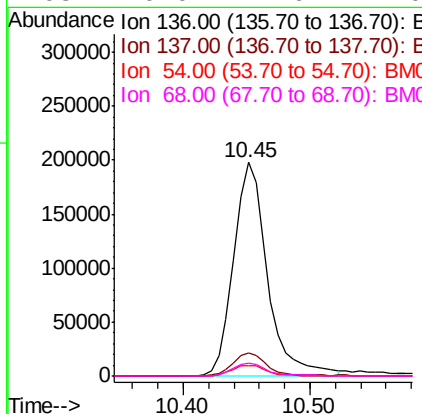
RT: 10.45 min Scan# 1269

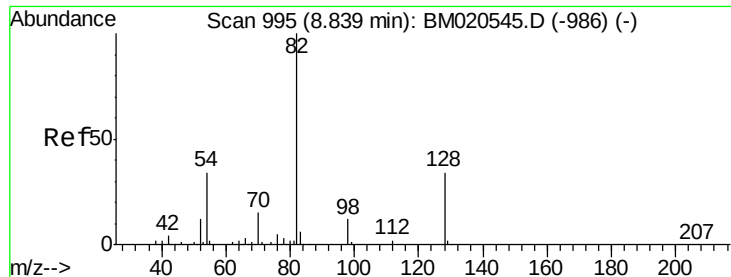
Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Tgt Ion:	136	Resp:	366625
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	4.9	4.2	6.4
68	6.0	4.6	7.0





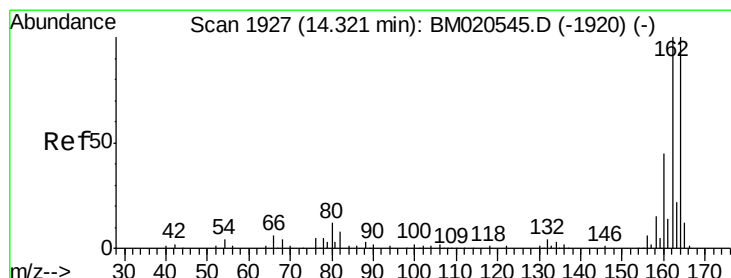
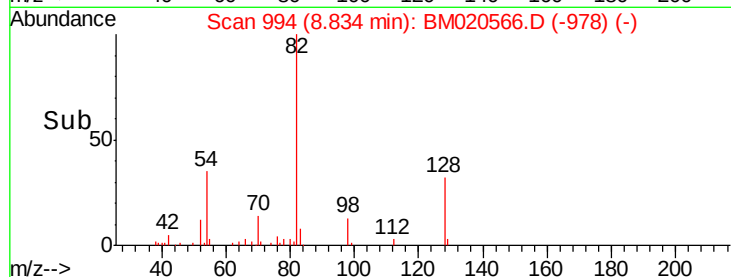
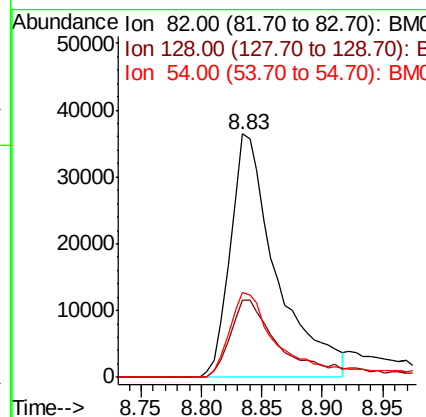
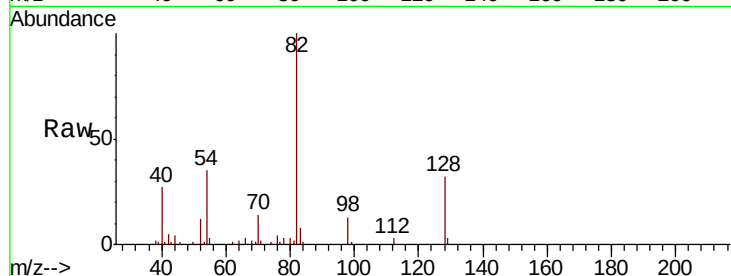
#23
Nitrobenzene-d5
Concen: 11.054 ng
RT: 8.83 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Instrument :
BNA_M
ClientSampled :
TP-5-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.0	27.0	40.4
54	34.7	27.4	41.2

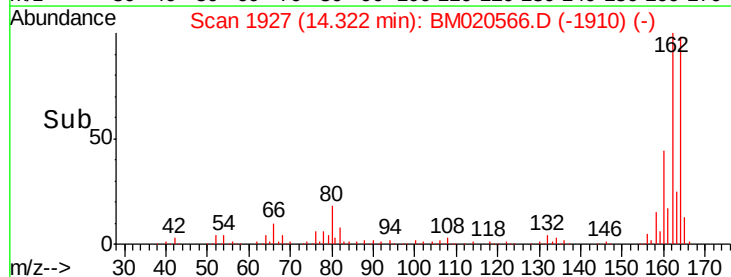
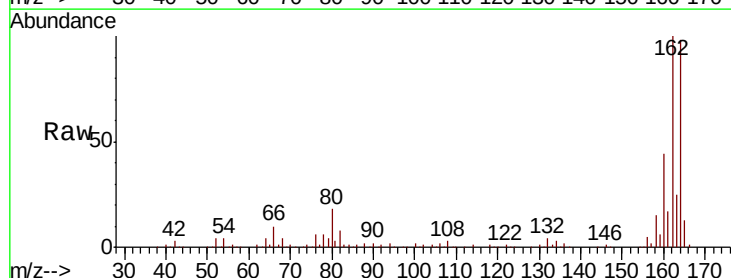
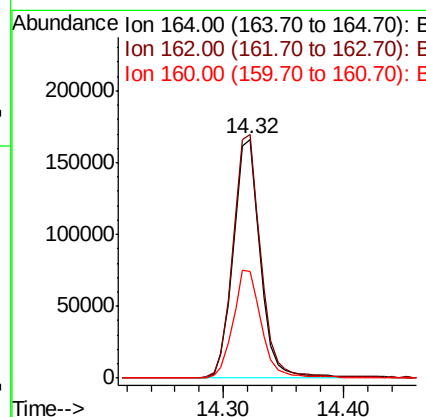
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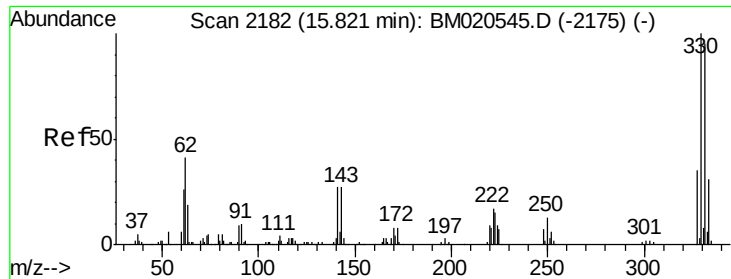
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.8	119.8
160	44.5	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 17.874 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

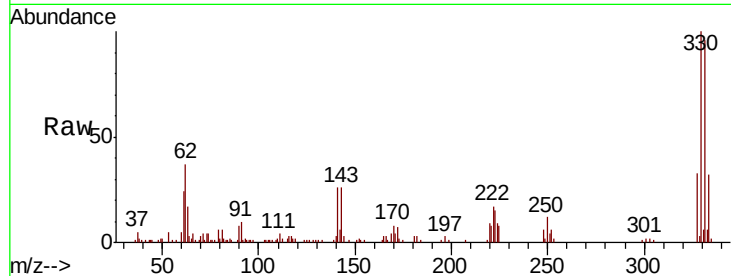
ClientSampleId :

TP-5-S

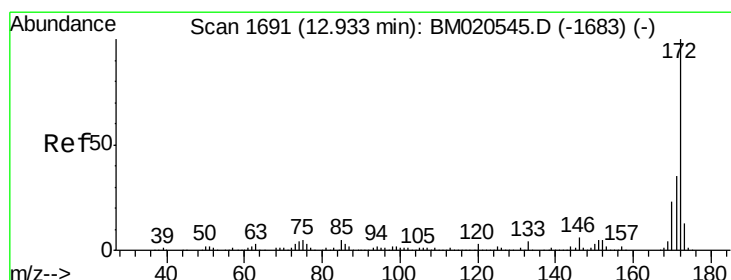
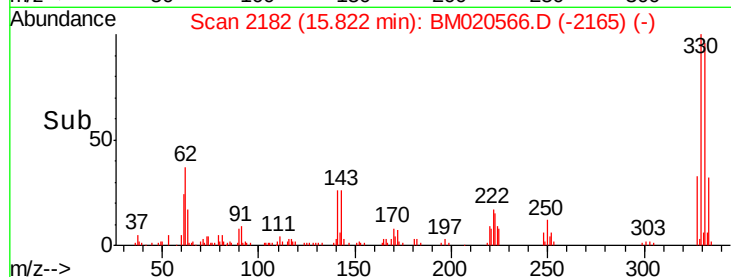
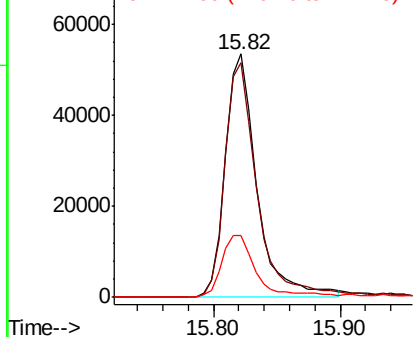
Tot Ion:	330	Resp:	92801
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.5	116.3
141	27.9	21.7	32.5

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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: 8.624 ng

RT: 12.93 min Scan# 1691

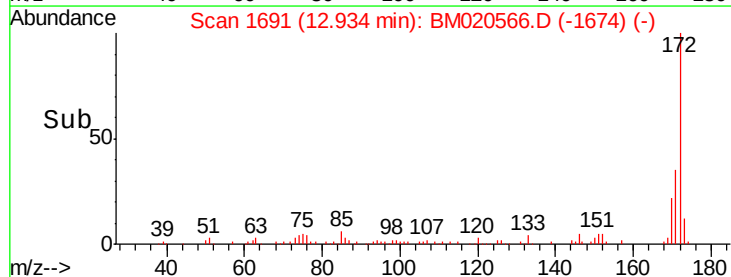
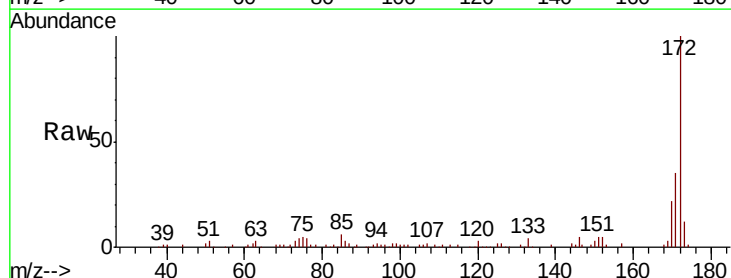
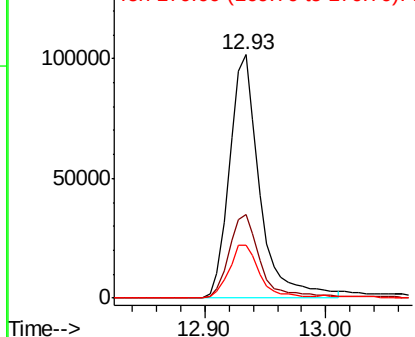
Delta R.T. 0.00 min

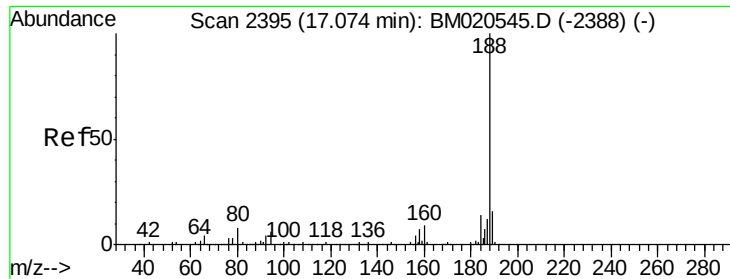
Lab File: BM020566.D

Acq: 25 May 2019 06:20

Tgt Ion:	172	Resp:	178117
Ion Ratio	Lower	Upper	
172	100		
171	34.6	27.9	41.9
170	21.8	18.2	27.4

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

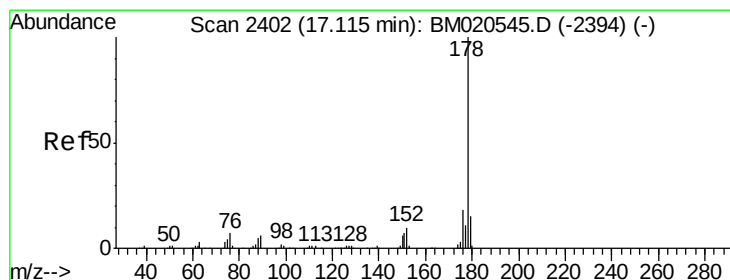
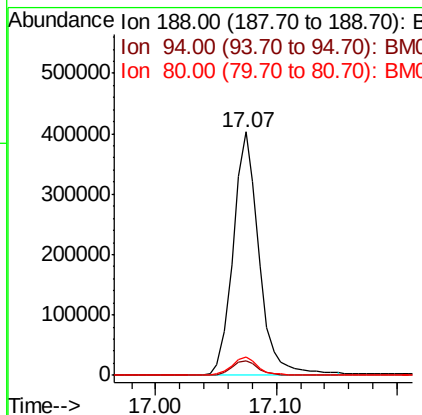
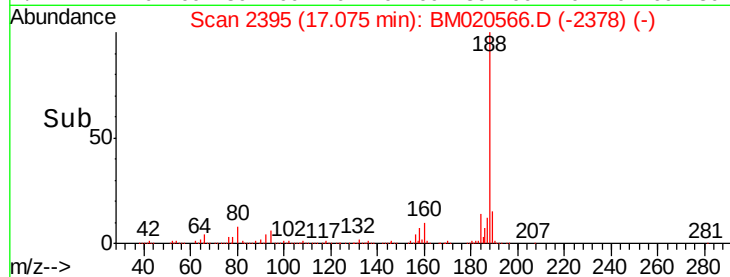
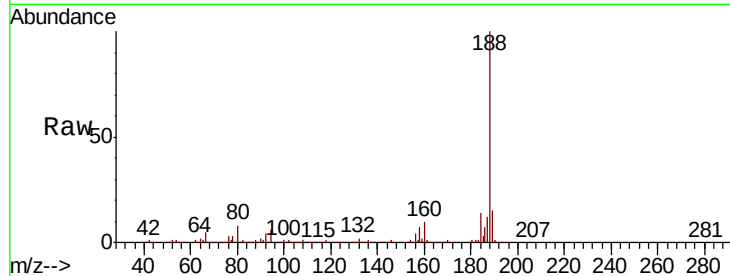
ClientSampled :

TP-5-S

Tot Ion:	188	Resp:	605329
Ion Ratio	Lower	Upper	
188	100		
94	5.8	5.0	7.4
80	7.8	6.5	9.7

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#71

Phenanthrene

Concen: 2.174 ng

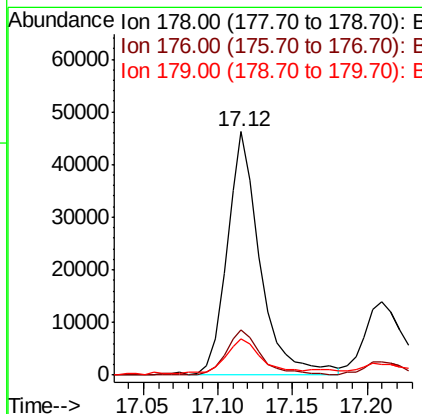
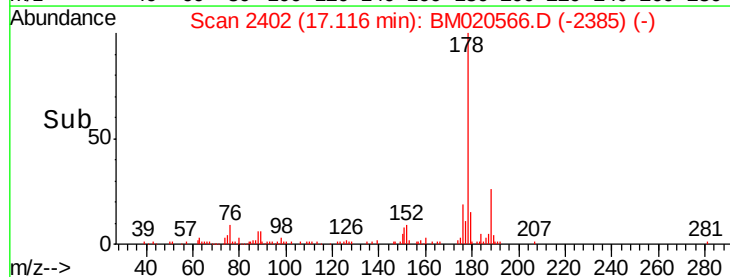
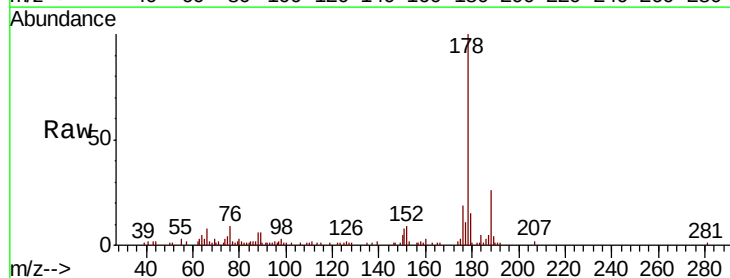
RT: 17.12 min Scan# 2402

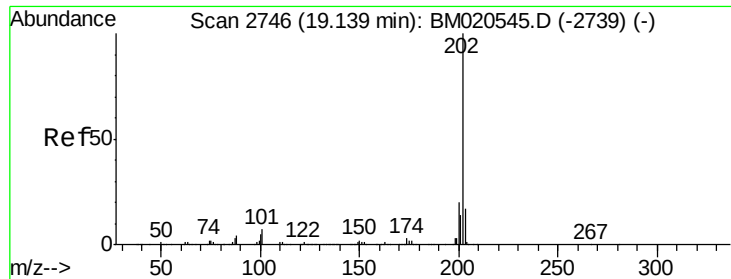
Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Tgt Ion:	178	Resp:	71477
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.7	22.1
179	14.7	12.2	18.2





#75

Fluoranthene

Concen: 2.909 ng

RT: 19.14 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

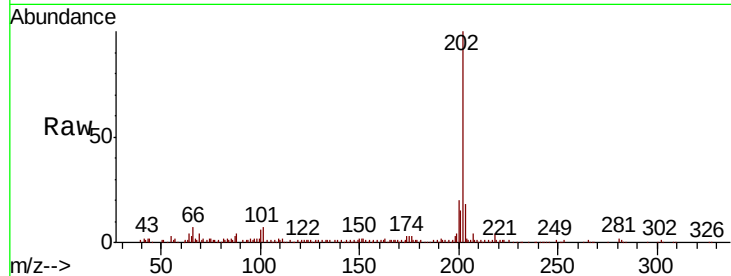
ClientSampleId :

TP-5-S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		133045		
101	6.7	0.0	26.7		
203	18.4	0.0	37.4		

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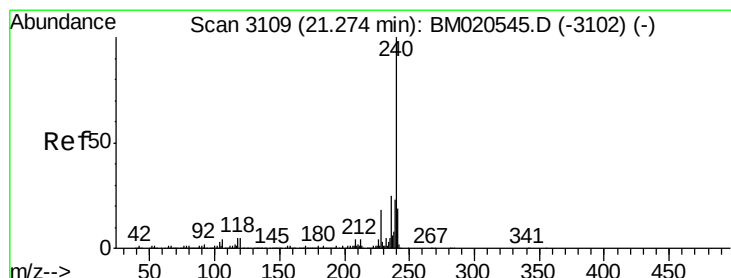
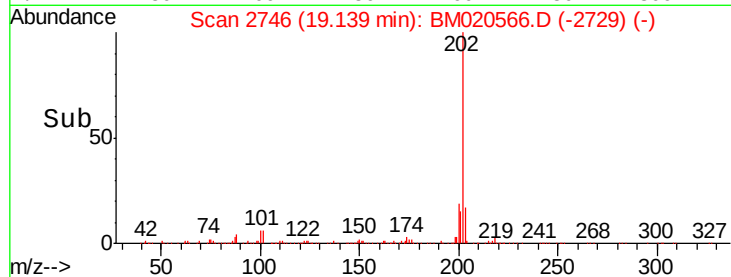
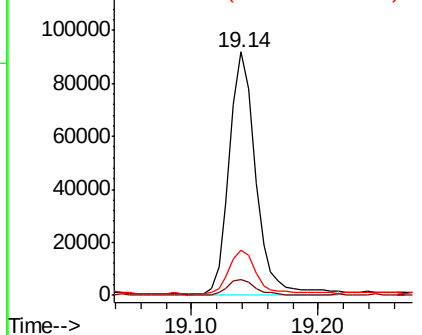


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

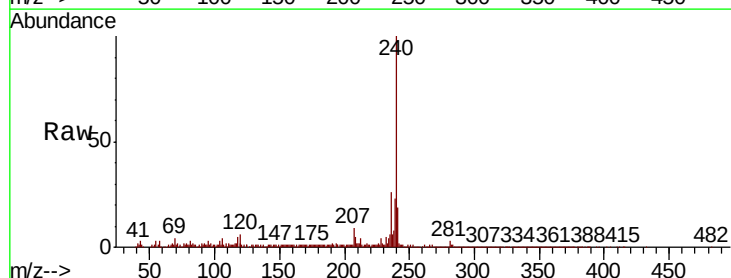
RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		458186		
120	5.6	4.1	6.1		
236	25.5	20.2	30.4		

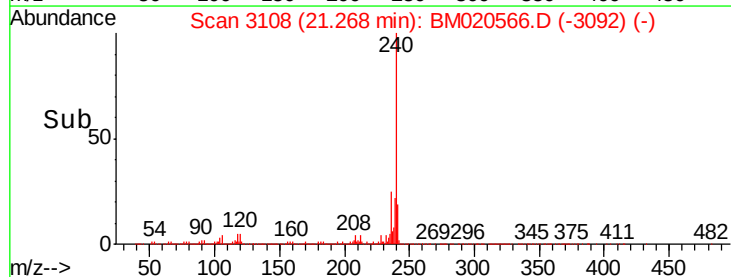
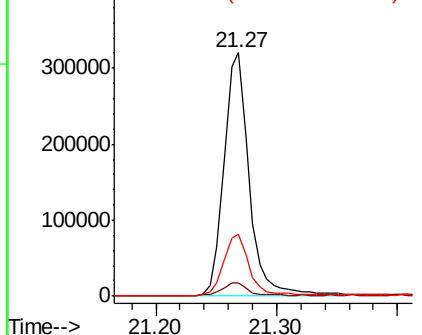


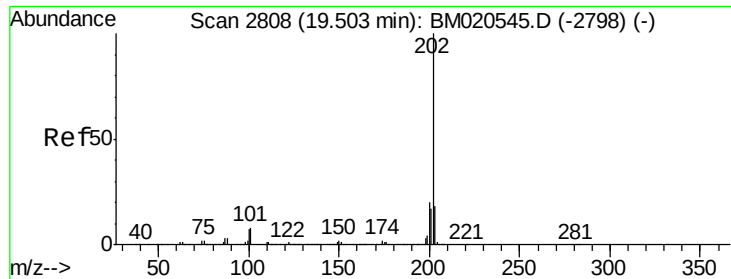
Abundance

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





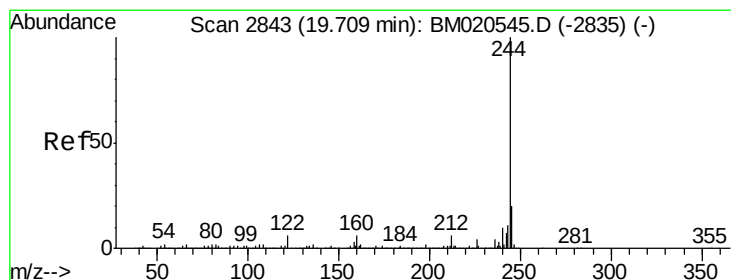
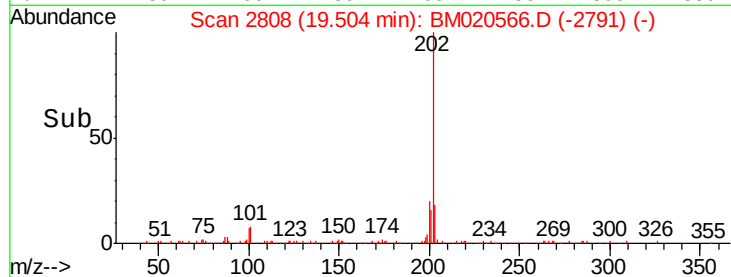
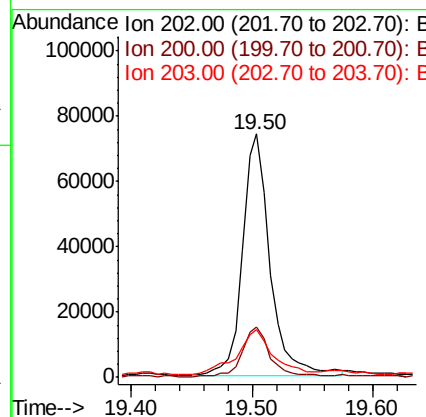
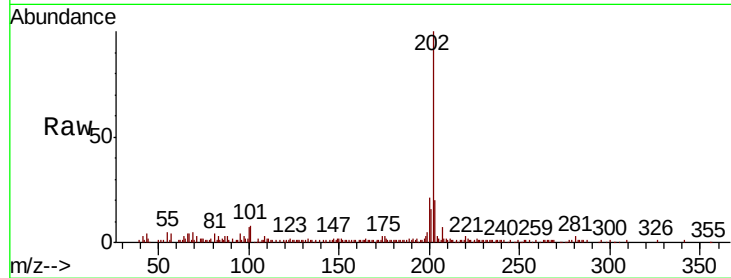
#78
Pvrene
Concen: 4.085 ng
RT: 19.50 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Instrument :
BNA_M
ClientSampleId :
TP-5-S

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.0	24.0
203	19.5	14.1	21.1

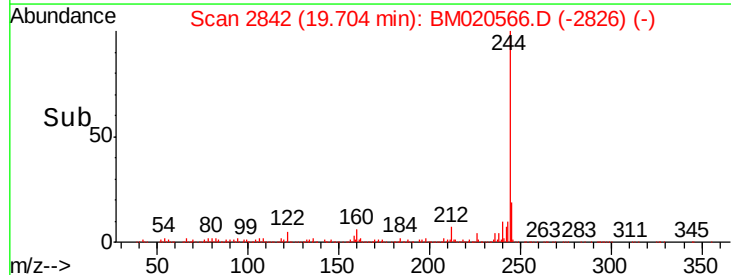
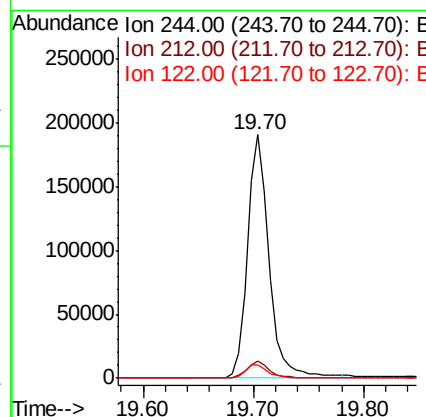
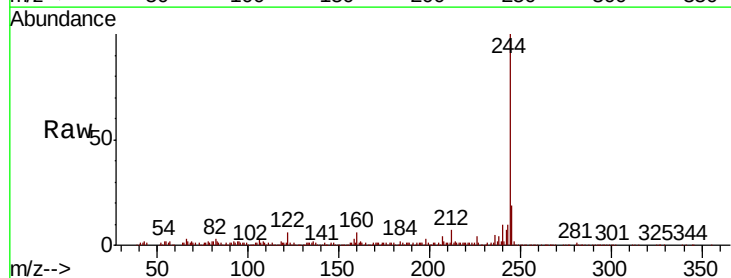
Manual Integrations
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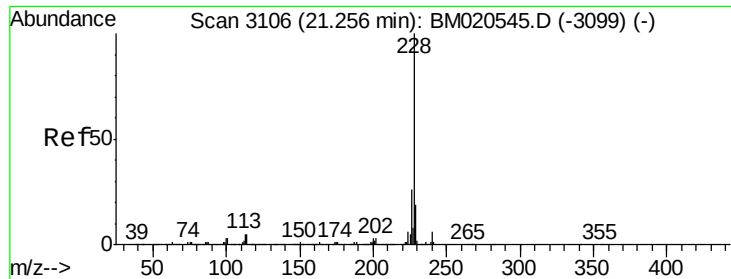
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#79
Terphenyl-d14
Concen: 10.322 ng
RT: 19.70 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.0	7.6
122	5.5	4.6	7.0





#81

Benzo(a)anthracene

Concen: 2.026 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

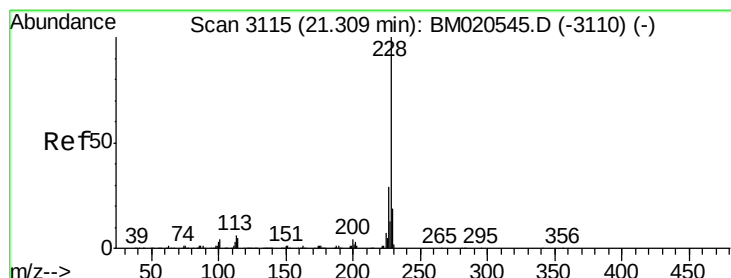
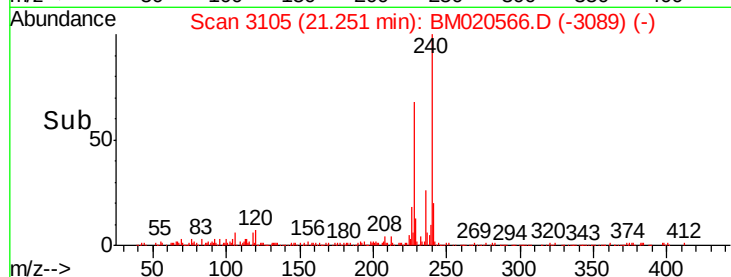
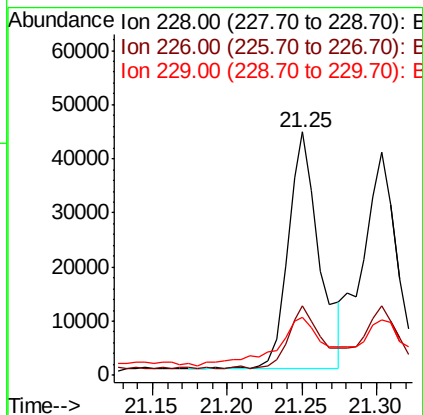
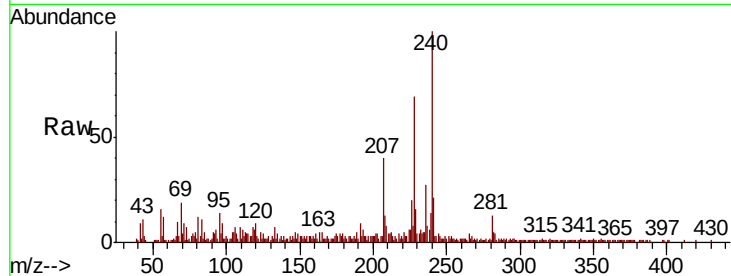
ClientSampled :

TP-5-S

Tot Ion:	228	Resp:	64244
Ion Ratio	Lower	Upper	
228	100		
226	28.6	20.7	31.1
229	23.9	15.5	23.3#

Manual Integrations
APPROVED

mohammad
5/28/2019 8:41:34 AM



#83

Chrysene

Concen: 2.086 ng

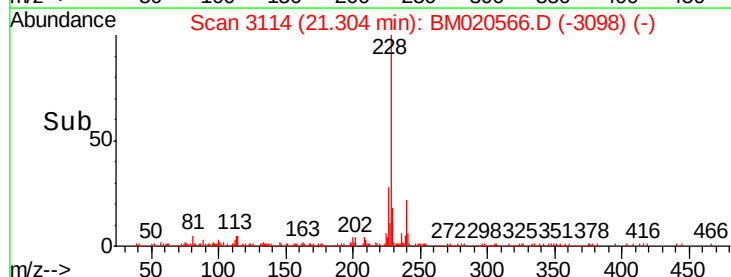
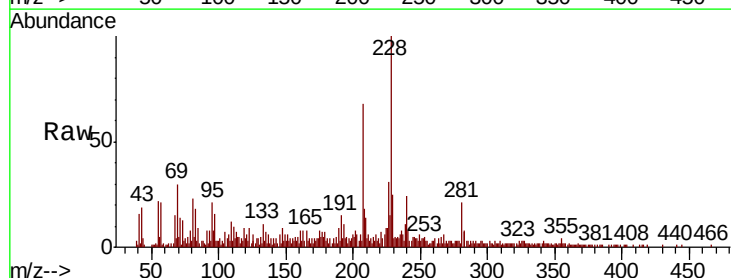
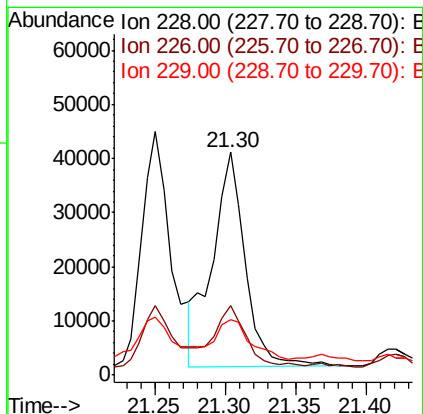
RT: 21.30 min Scan# 3114

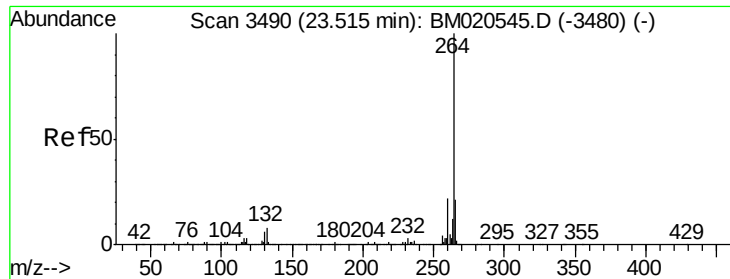
Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Tgt Ion:	228	Resp:	63920
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.9	34.3
229	24.7	15.4	23.2#





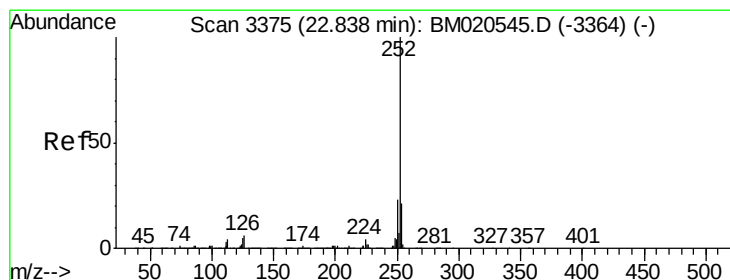
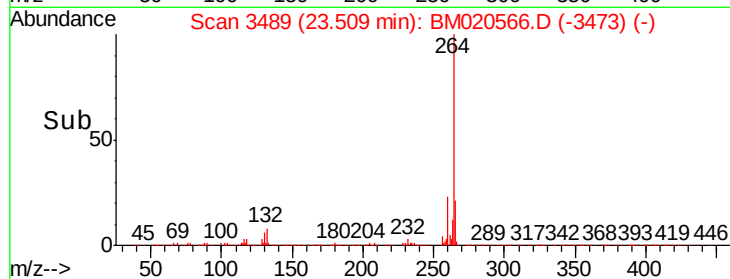
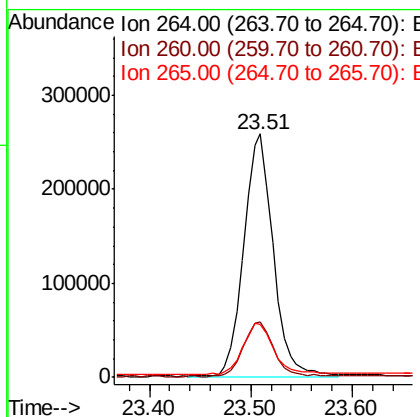
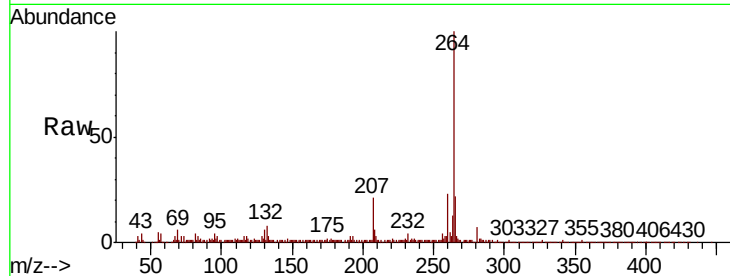
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.51 min Scan# 3489
Delta R.T. -0.01 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Instrument :
BNA_M
ClientSampled :
TP-5-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.7	26.5
265	21.8	17.4	26.2

Manual Integrations
APPROVED

mohammad
5/28/2019 8:41:34 AM



#88
Benzo(b)fluoranthene
Concen: 2.381 ng m
RT: 22.83 min Scan# 3374
Delta R.T. -0.01 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.1	25.7#
125	12.6	3.8	5.8#

