

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006714.D
 Acq On : 05 Jul 2019 14:15
 Operator : HP/JU
 Sample : K3560-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-009-B218-062419

Manual Integrations
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mohammad
 7/6/2019 12:14:29 AM

Quant Time: Jul 05 23:14:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 05:30:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3175	0.40	ng	-0.02
7) Naphthalene-d8	10.38	136	11840	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	7335	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	17023	0.40	ng	-0.02
27) Chrysene-d12	21.24	240	16733	0.40	ng	-0.02
34) Perylene-d12	23.46	264	19472	0.40	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	3168	0.37	ng	-0.02
5) Phenol-d6	6.79	99	4497	0.41	ng	-0.04
8) Nitrobenzene-d5	8.78	82	2711	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	11.97	152	6743	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	1337	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	9131	0.32	ng	-0.02
25) Fluoranthene-d10	19.06	212	17118	0.35	ng	-0.02
29) Terphenyl-d14	19.66	244	11656	0.30	ng	-0.02
Target Compounds						
23) Phenanthrene	17.06	178	2497	0.051	ng	Qvalue 98
26) Fluoranthene	19.09	202	4899	0.085	ng	# 97
28) Pyrene	19.45	202	5057	0.076	ng	# 97
30) Benzo(a)anthracene	21.22	228	2717	0.047	ng	# 83
31) Chrysene	21.27	228	2585	0.043	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.14	149	4092	0.024	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.70	276	1503	0.021	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	3158m	0.051	ng	
37) Benzo(a)pyrene	23.37	252	2112	0.035	ng	# 39
39) Benzo(a,h,i)perylene	26.38	276	1610	0.026	ng	# 60

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

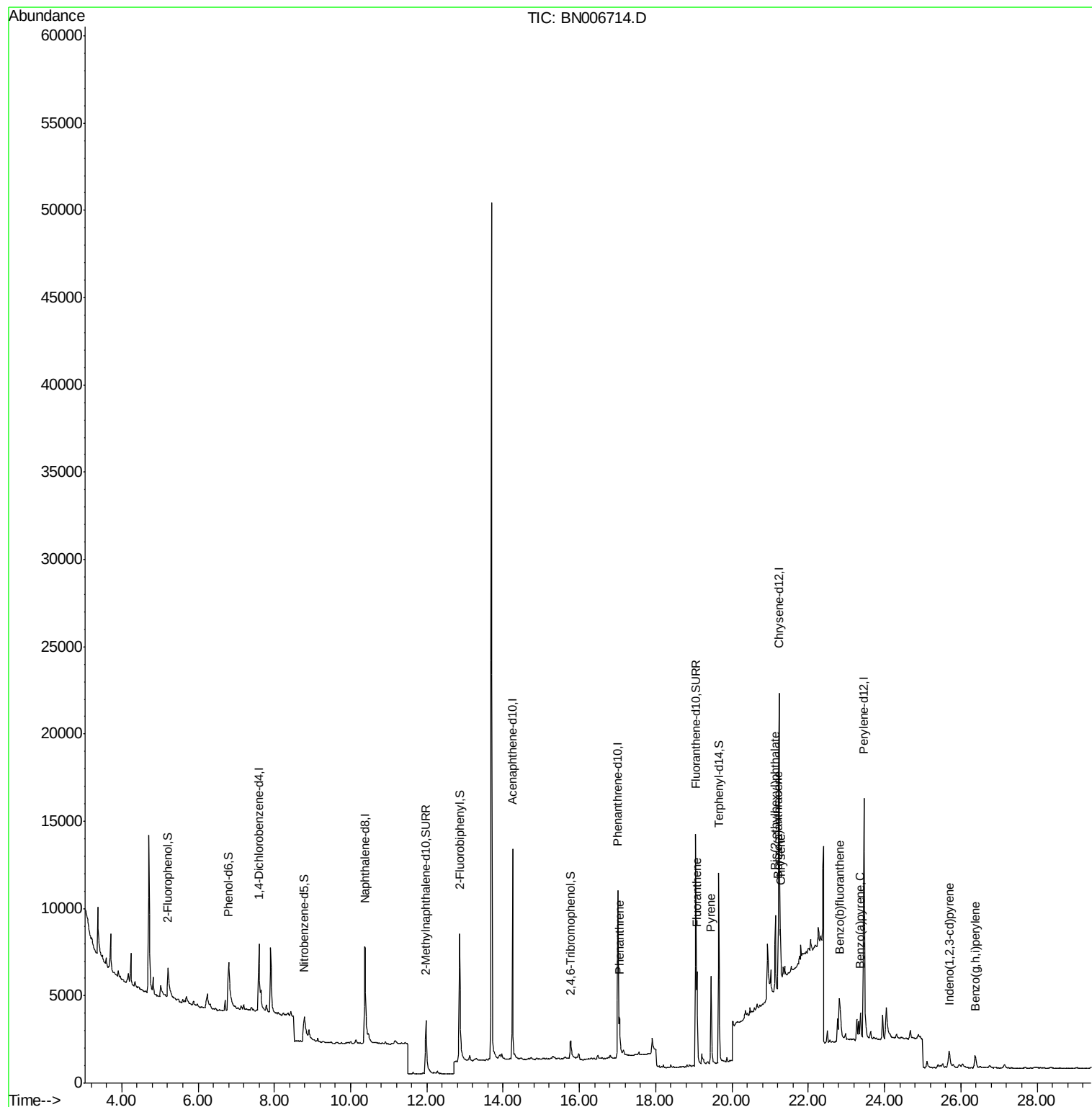
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006714.D
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Sample : K3560-12
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ALS Vial : 4 Sample Multiplier: 1

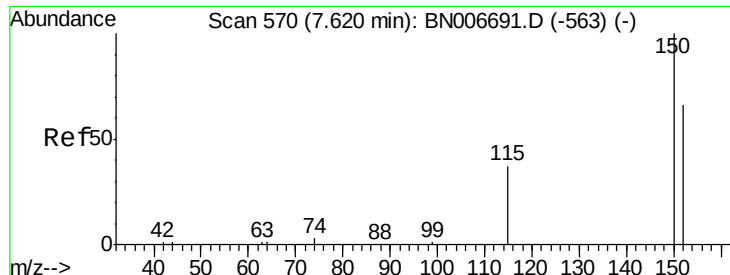
Instrument :
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PST-009-B218-062419

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
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#1

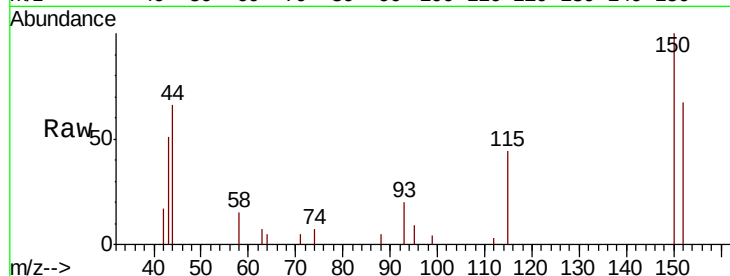
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	120.6	181.0
115	65.7	51.0	76.6

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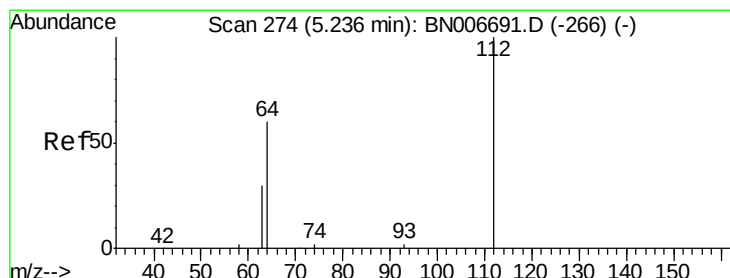
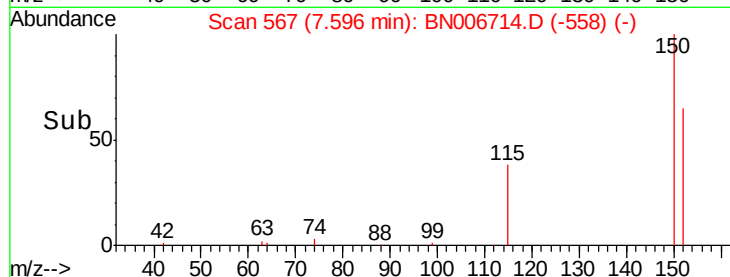
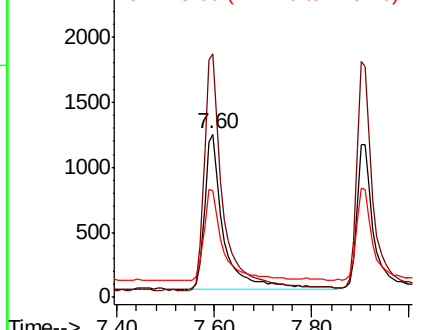


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

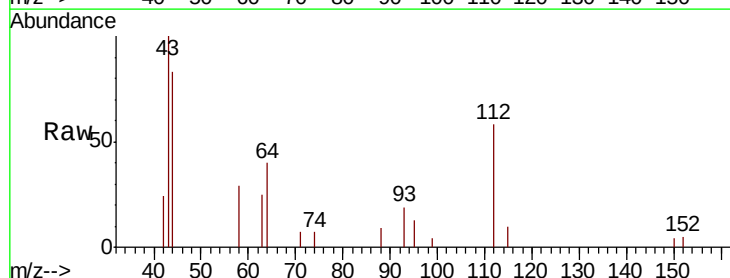
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.367 ng
RT: 5.21 min Scan# 271
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	49.8	74.6
63	34.3	25.8	38.6

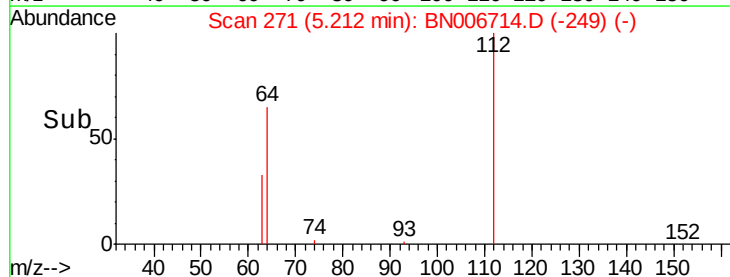
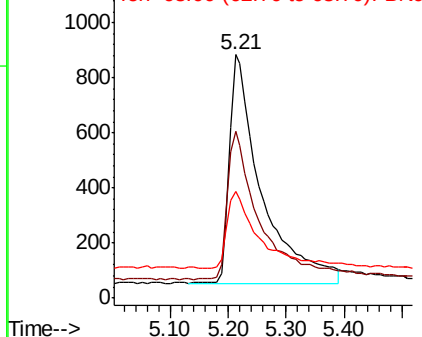


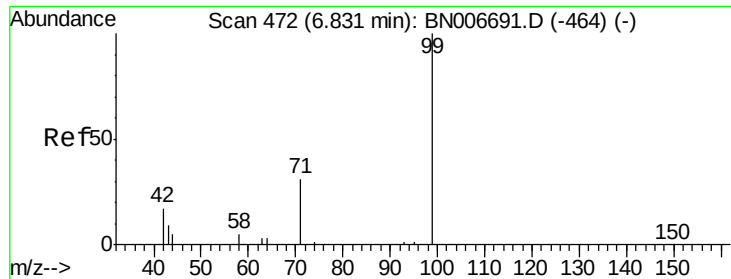
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.412 ng

RT: 6.79 min Scan# 467

Delta R.T. -0.04 min

Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Instrument :

BNA_N

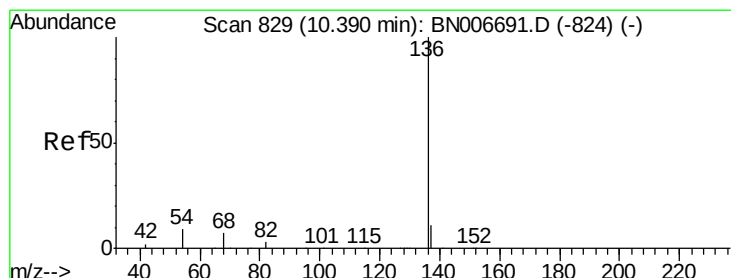
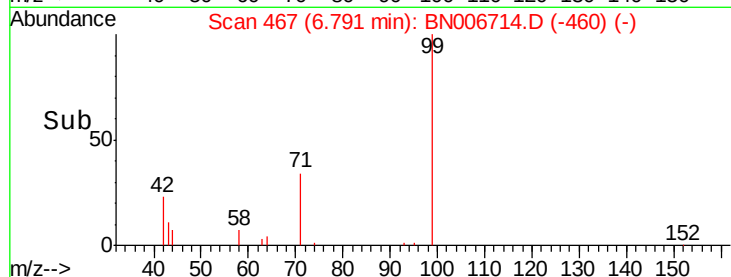
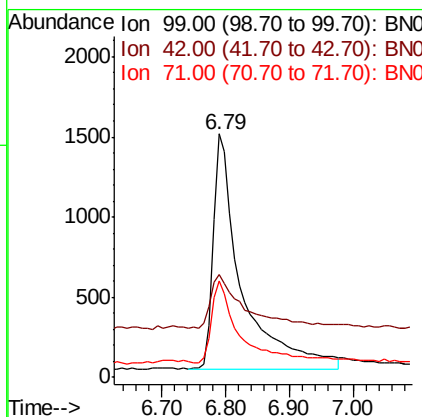
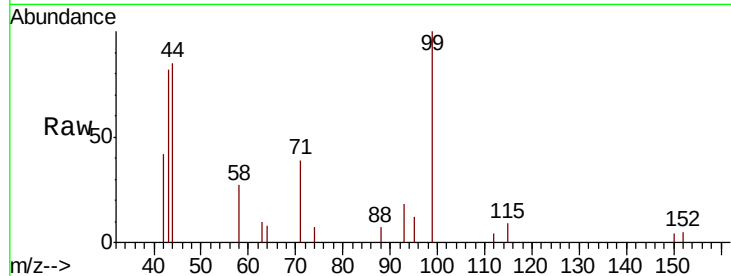
ClientSampleId :

PST-009-B218-062419

Tot Ion:	99	Resp:	4497
Ion	Ratio	Lower	Upper
99	100		
42	27.4	16.6	25.0#
71	33.8	26.0	39.0

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#7

Naphthalene-d8

Concen: 0.400 ng

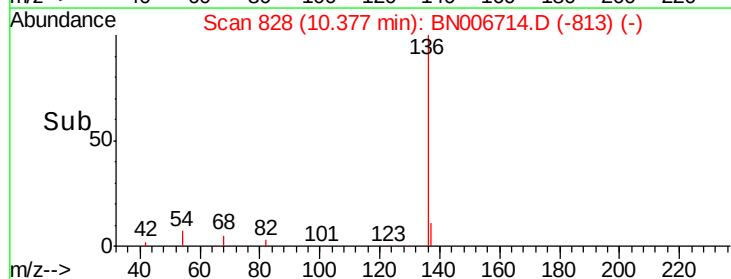
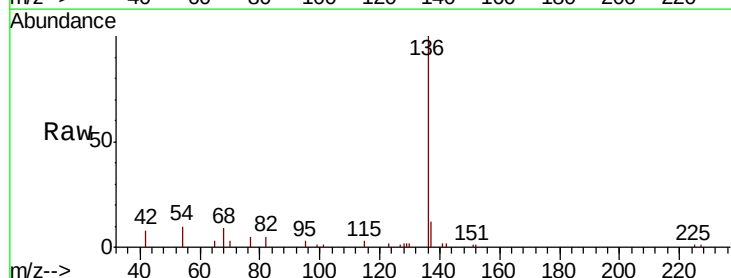
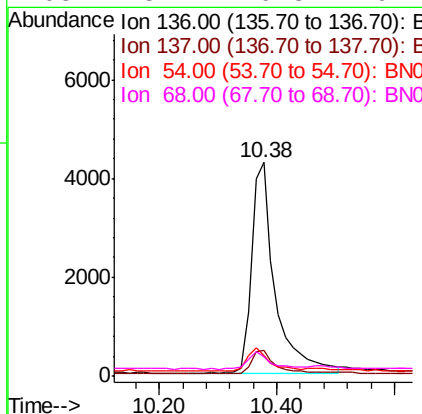
RT: 10.38 min Scan# 828

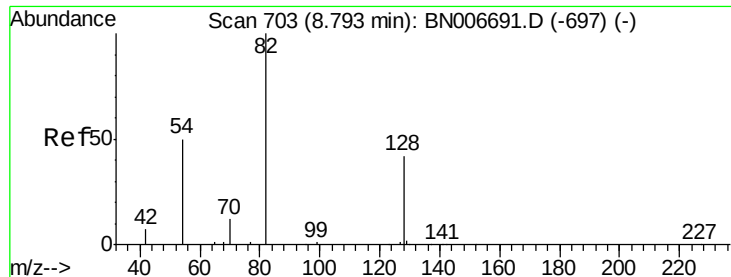
Delta R.T. -0.01 min

Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Tgt Ion:	136	Resp:	11840
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	9.6	8.4	12.6
68	8.7	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.299 ng

RT: 8.78 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Instrument :

BNA_N

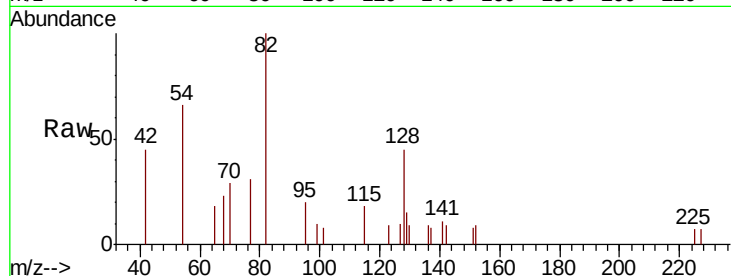
ClientSampleId :

PST-009-B218-062419

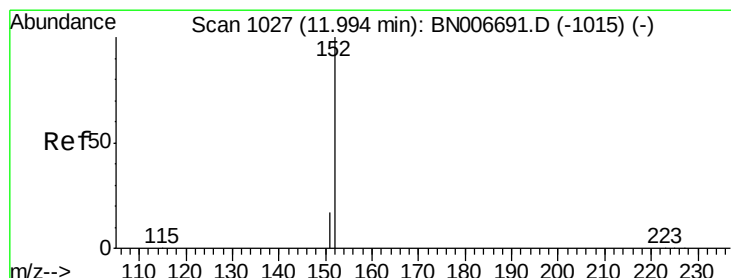
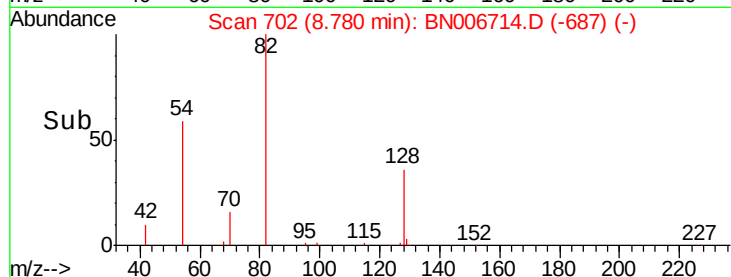
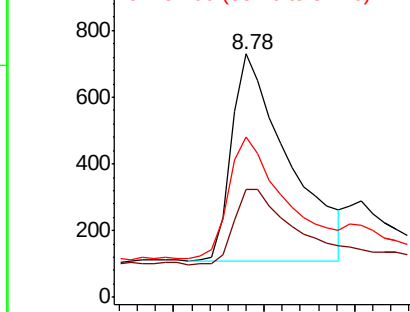
Tot Ion:	82	Resp:	2711
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	66.0	44.5	66.7

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Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0



#11

2-Methylnaphthalene-d10

Concen: 0.379 ng

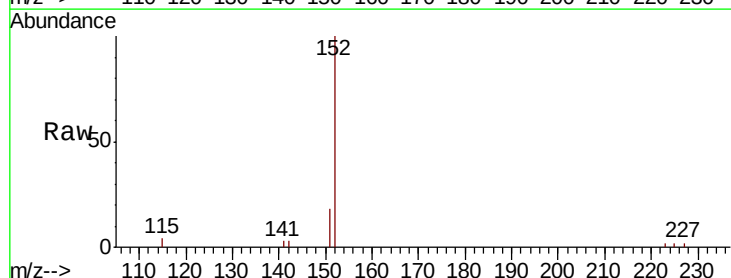
RT: 11.97 min Scan# 1022

Delta R.T. -0.02 min

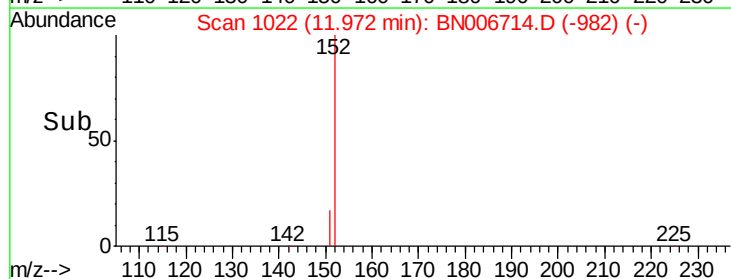
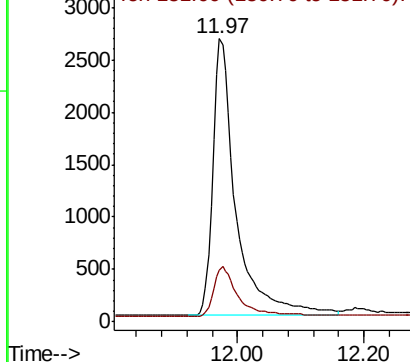
Lab File: BN006714.D

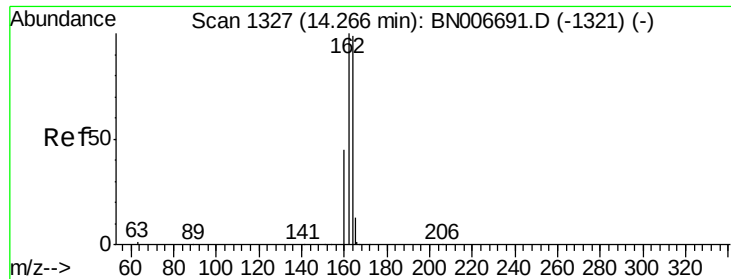
Acq: 05 Jul 2019 14:15

Tgt Ion:	152	Resp:	6743
Ion	Ratio	Lower	Upper
152	100		
151	19.3	14.9	22.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Instrument :

BNA_N

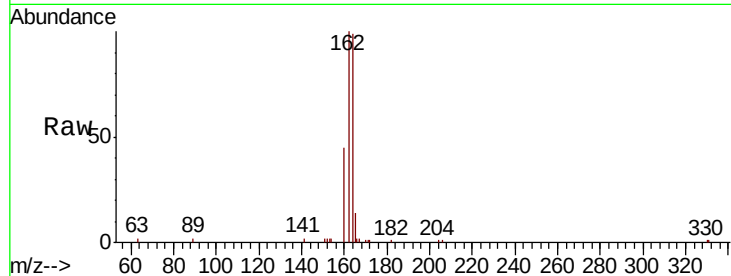
ClientSampleId :

PST-009-B218-062419

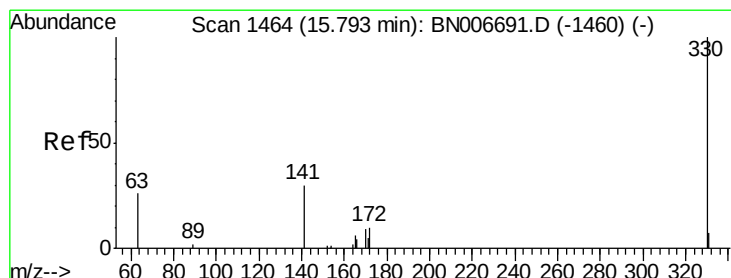
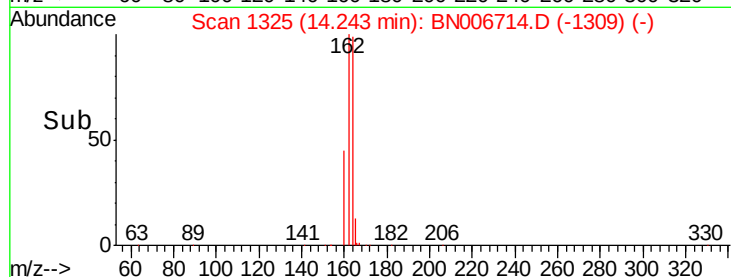
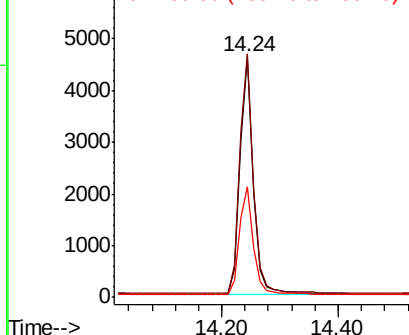
Tot Ion:	164	Resp:	7335
Ion Ratio	Lower	Upper	
164	100		
162	101.5	80.8	121.2
160	46.2	37.0	55.6

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.371 ng

RT: 15.77 min Scan# 1462

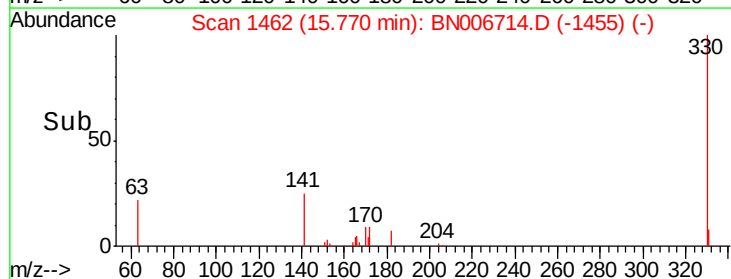
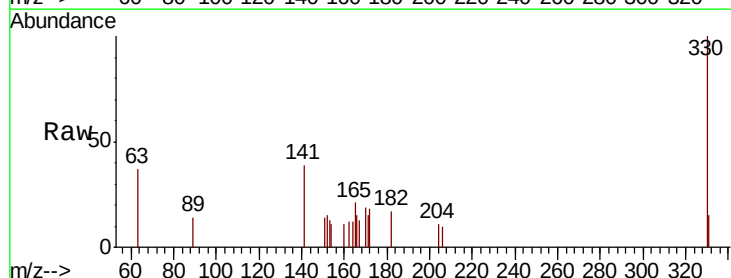
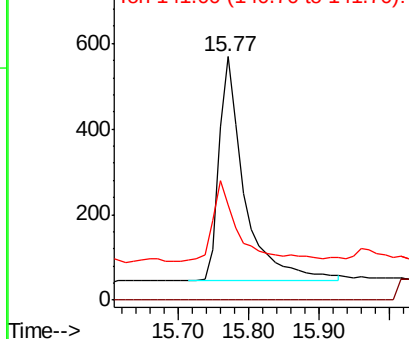
Delta R.T. -0.02 min

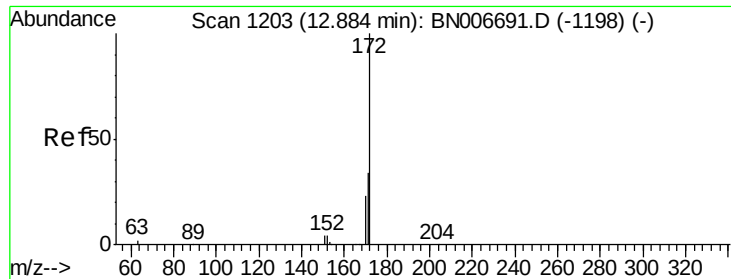
Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Tgt Ion:	330	Resp:	1337
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	33.1	24.8	37.2

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





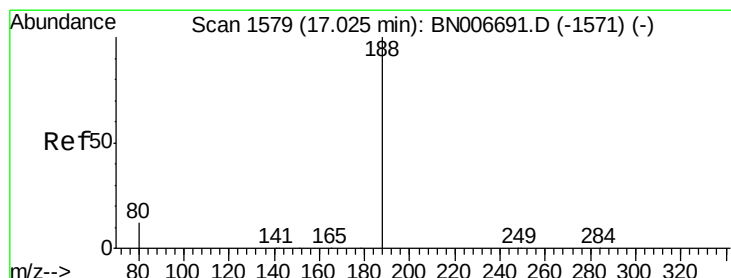
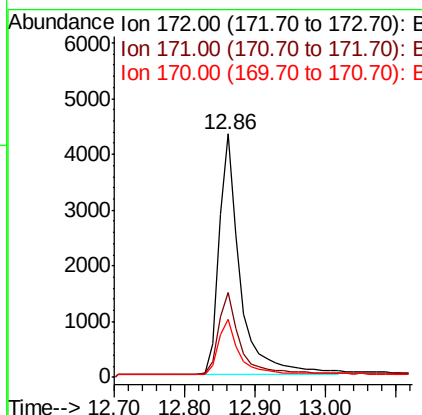
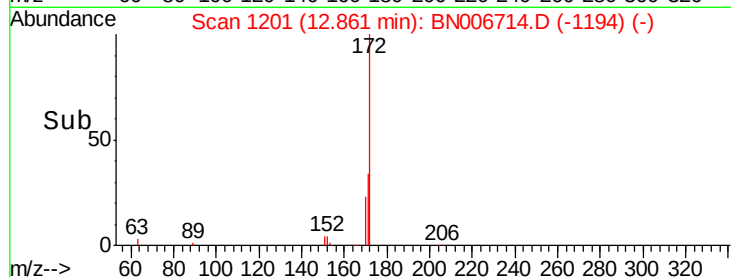
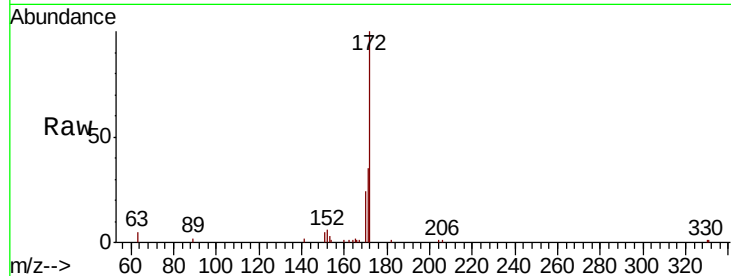
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.8	18.9	28.3

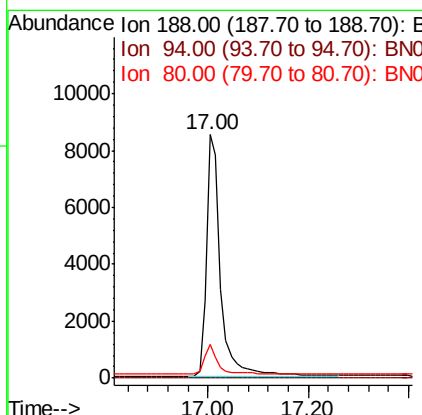
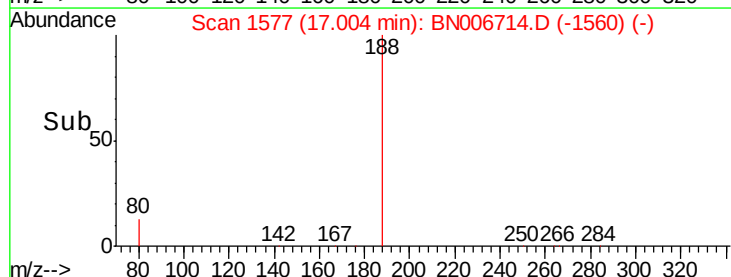
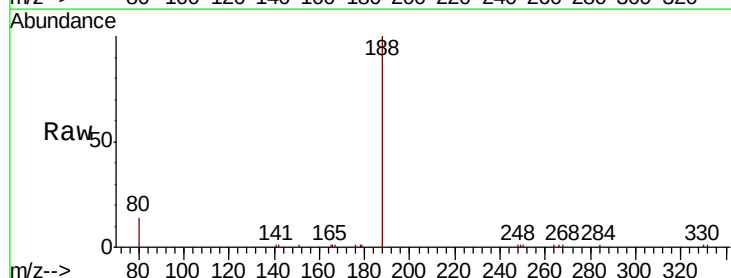
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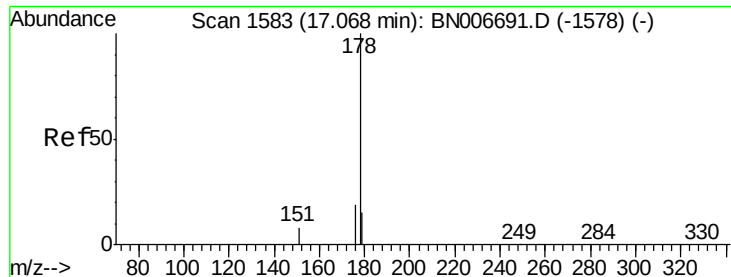
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	10.3	15.5





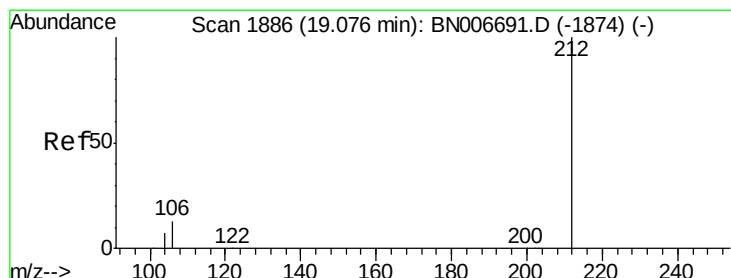
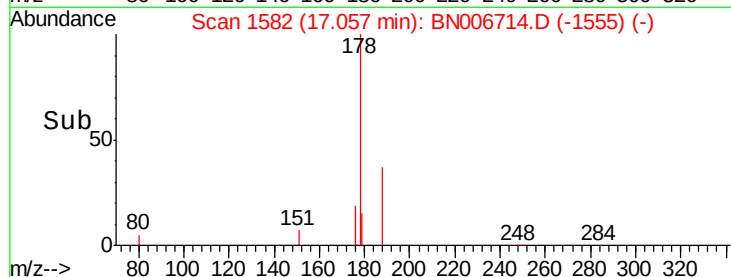
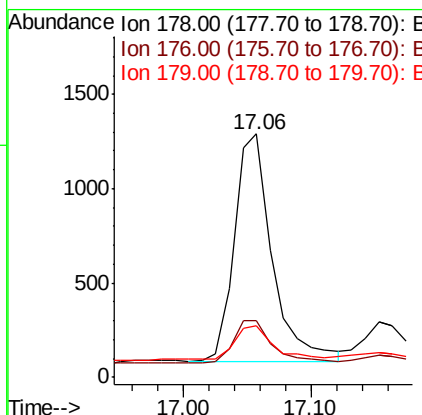
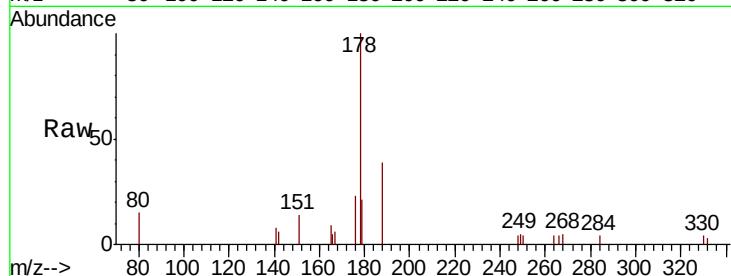
#23
Phenanthrene
Concen: 0.051 ng
RT: 17.06 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.9	12.4	18.6

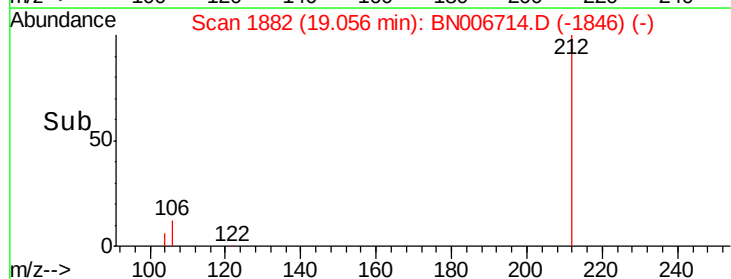
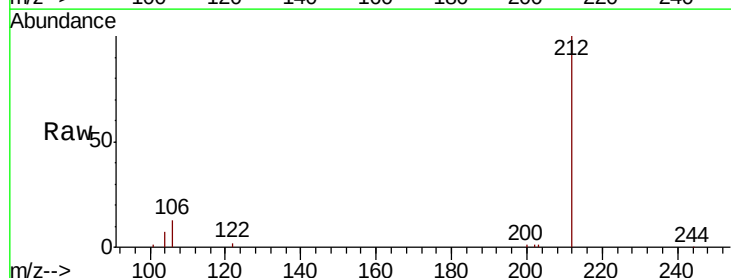
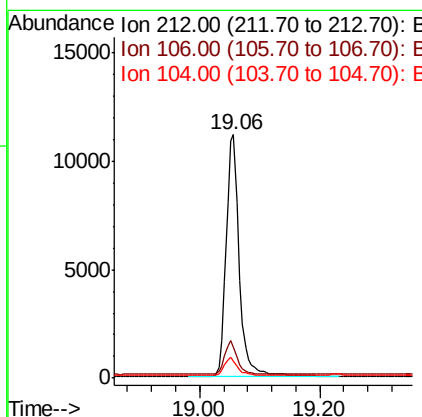
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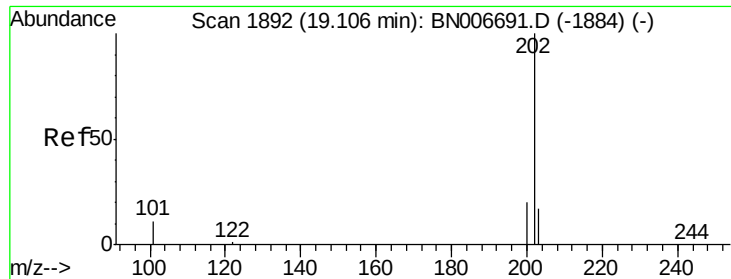
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#25
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.06 min Scan# 1882
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.6	11.0	16.6
104	7.5	6.1	9.1





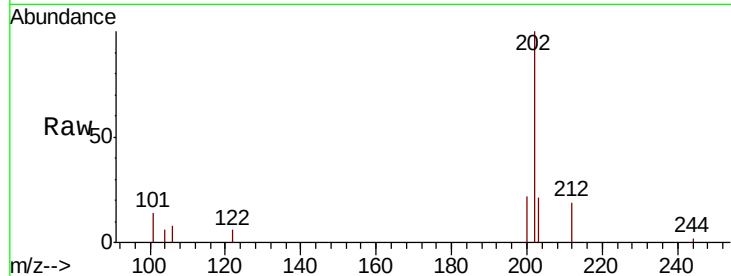
#26
Fluoranthene
Concen: 0.085 ng
RT: 19.09 min Scan# 1888
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	8.7	13.1#
203	17.6	13.8	20.6

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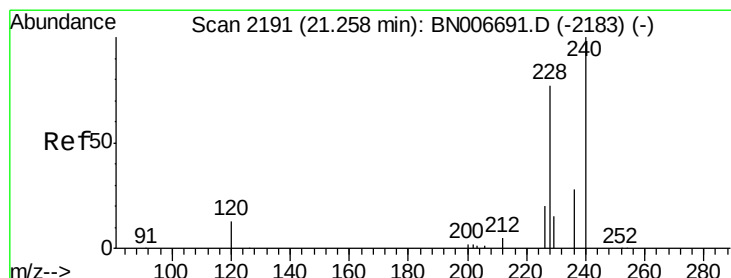
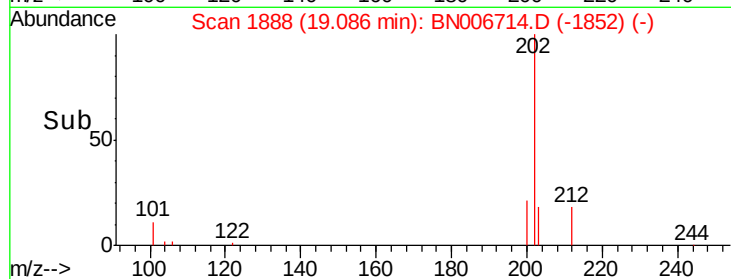
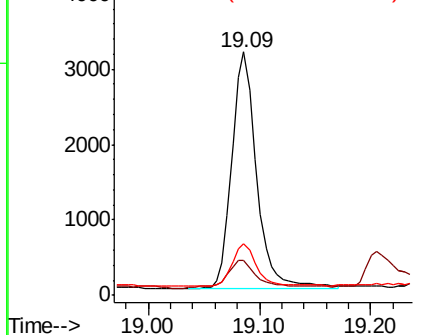


Abundance

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: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

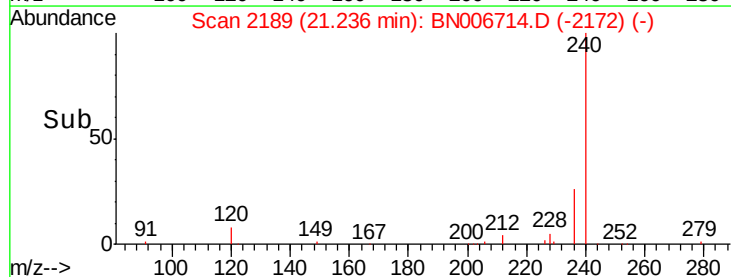
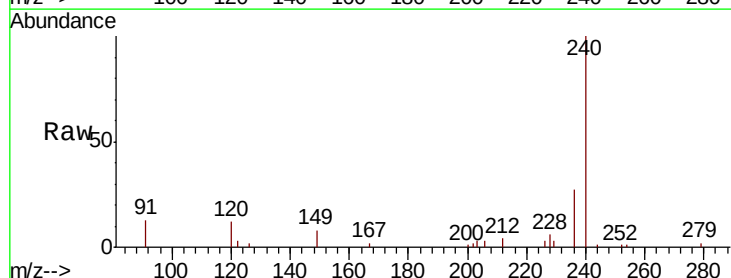
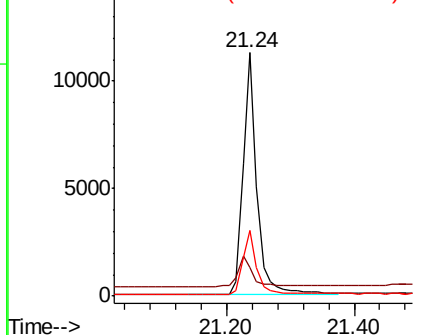
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	12.9	19.3#
236	26.8	23.2	34.8

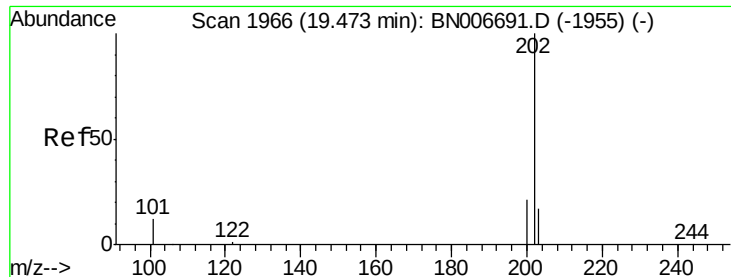
Abundance

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





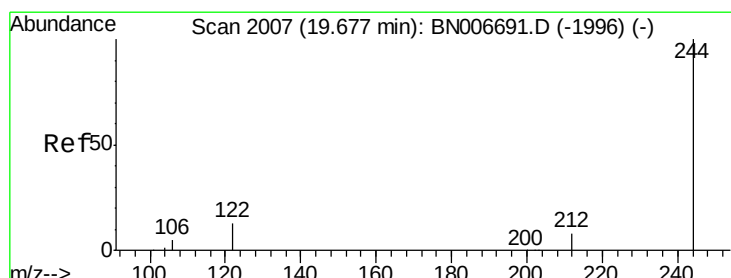
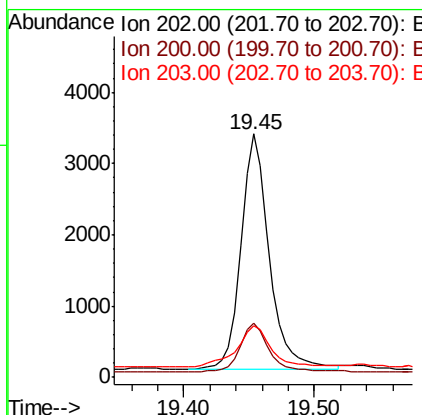
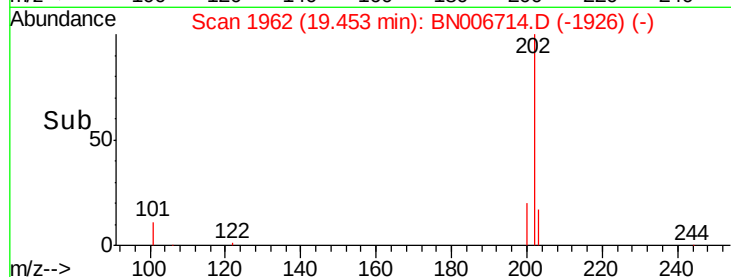
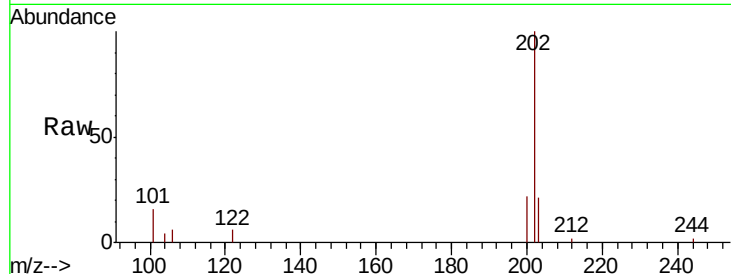
#28
Pvrene
Concen: 0.076 ng
RT: 19.45 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion:	202	Resp:	5057
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	20.7	14.2	21.2

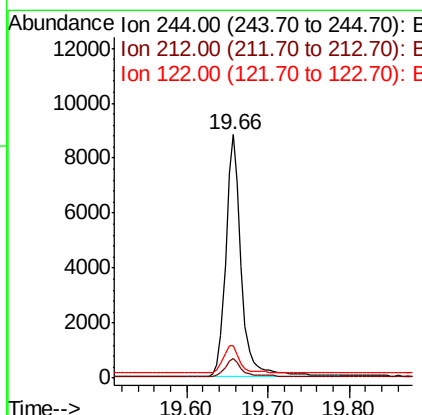
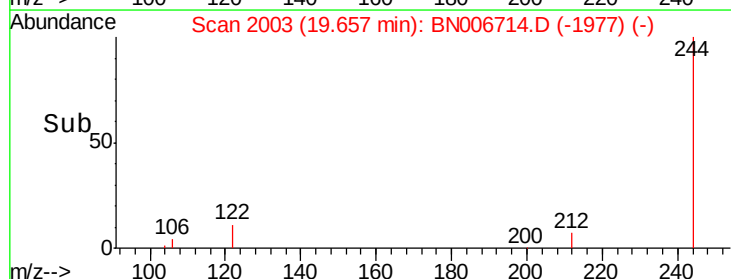
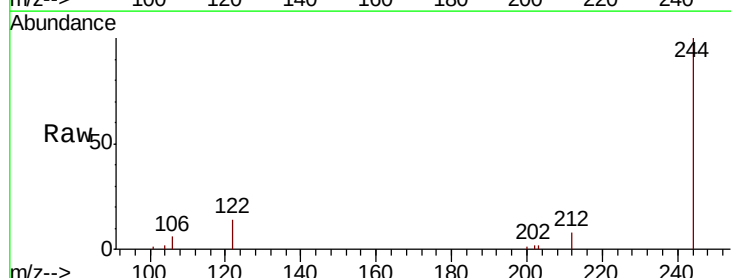
Manual Integrations
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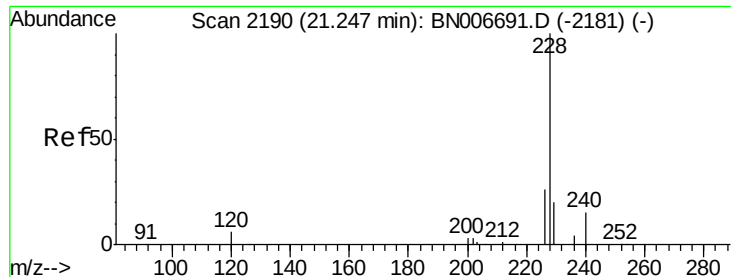
mohammad
7/6/2019 12:14:29 AM



#29
Terphenyl-d14
Concen: 0.303 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Tgt Ion:	244	Resp:	11656
Ion Ratio	Lower	Upper	
244	100		
212	8.0	7.0	10.4
122	13.6	11.5	17.3





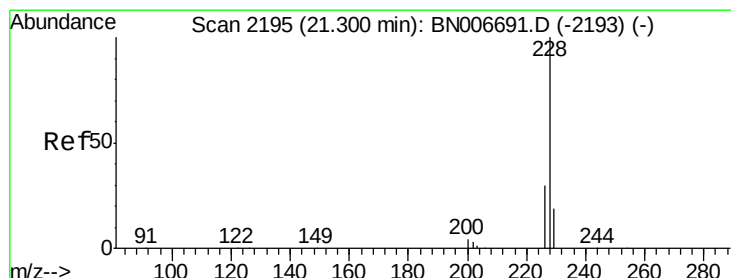
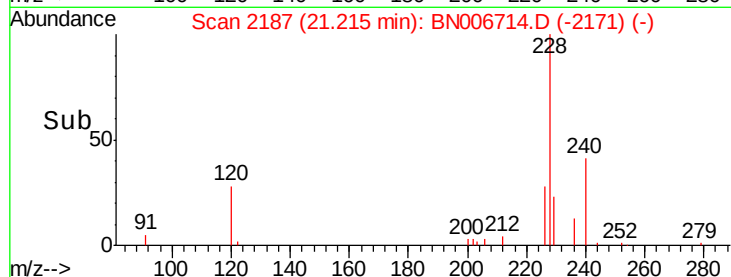
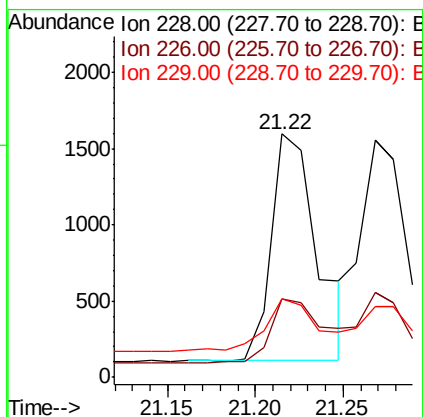
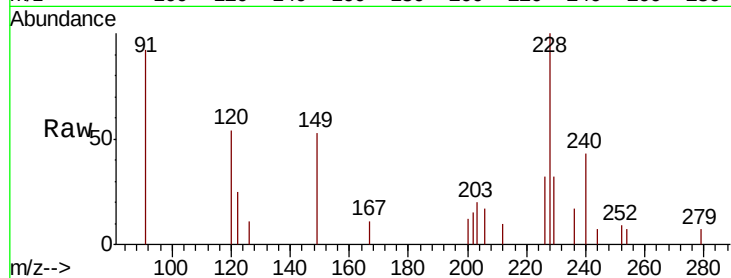
#30
Benzo(a)anthracene
Concen: 0.047 ng
RT: 21.22 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.5	32.3
229	32.1	16.2	24.4

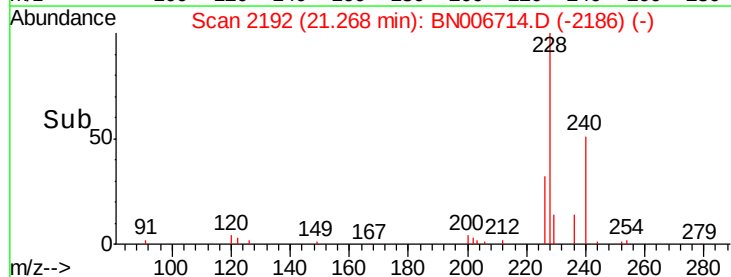
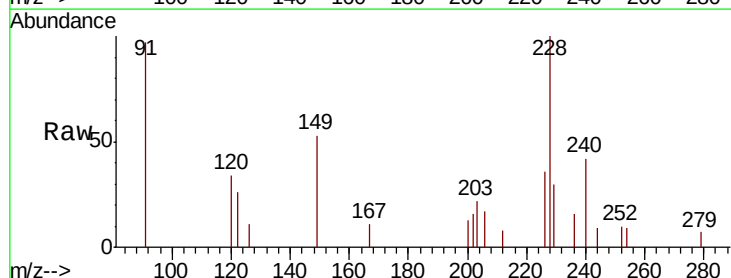
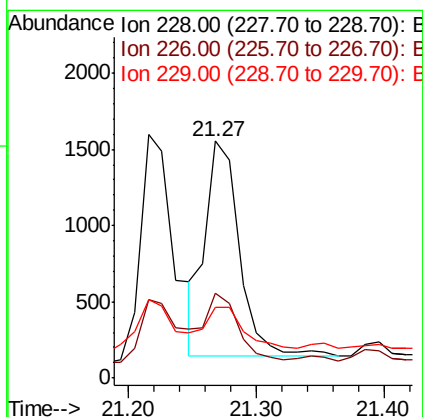
Manual Integrations
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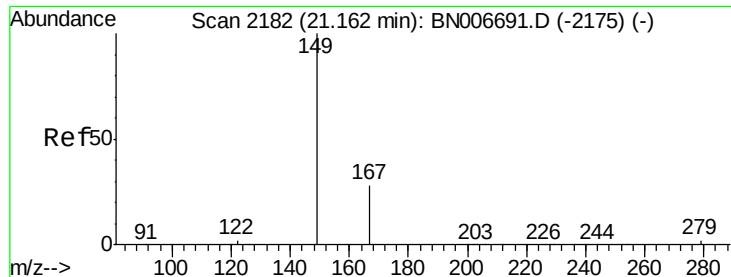
mohammad
7/6/2019 12:14:29 AM



#31
Chrysene
Concen: 0.043 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.7	24.2	36.2
229	29.9	15.8	23.6





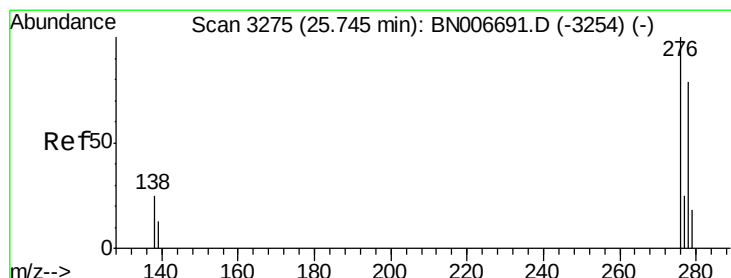
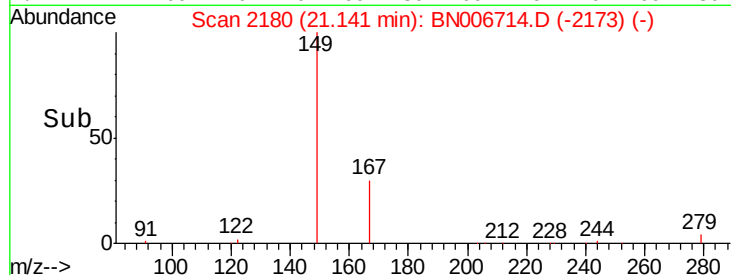
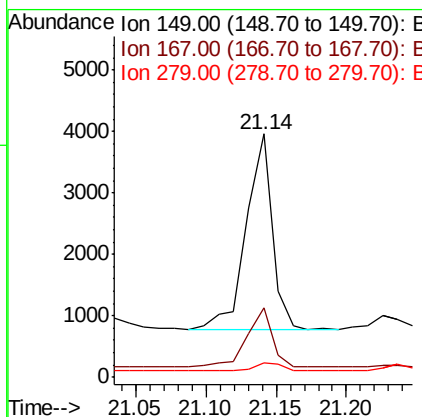
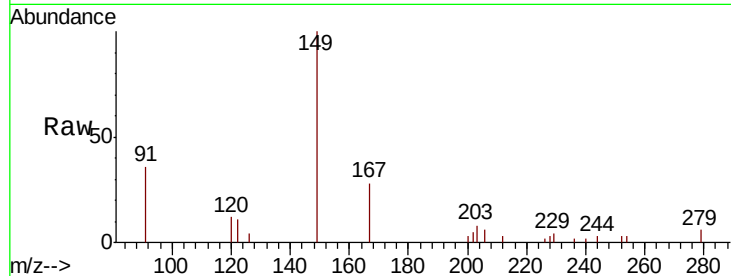
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.024 ng
 RT: 21.14 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN006714.D
 Acq: 05 Jul 2019 14:15

Instrument :
 BNA_N
 ClientSampleId :
 PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.9	34.3
279	5.1	3.2	4.8

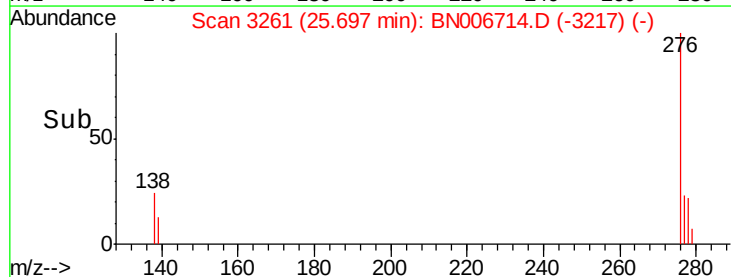
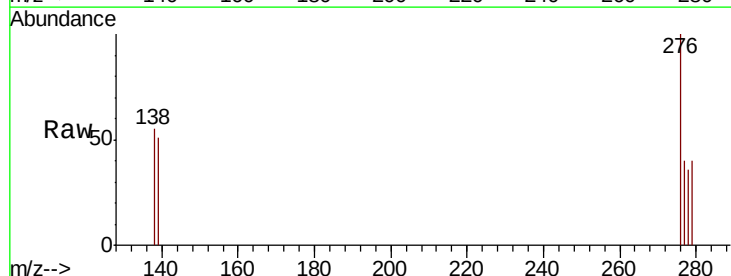
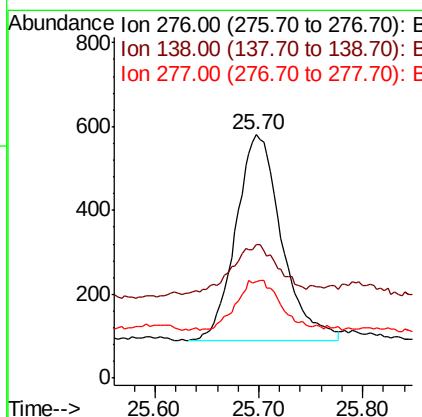
Manual Integrations
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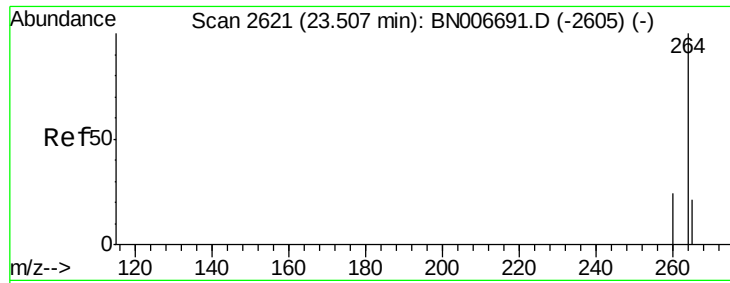
mohammad
 7/6/2019 12:14:29 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.021 ng
 RT: 25.70 min Scan# 3261
 Delta R.T. -0.05 min
 Lab File: BN006714.D
 Acq: 05 Jul 2019 14:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	19.5	29.3
277	22.5	19.7	29.5





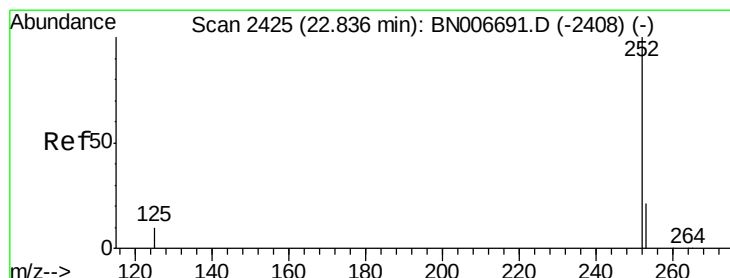
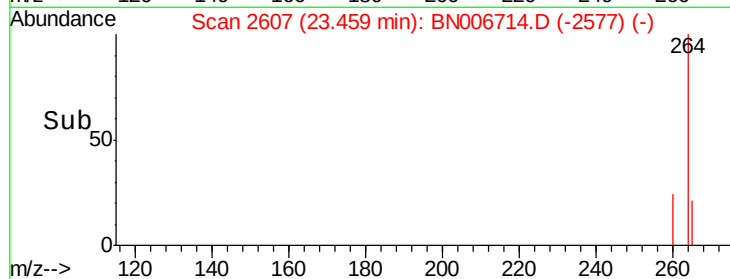
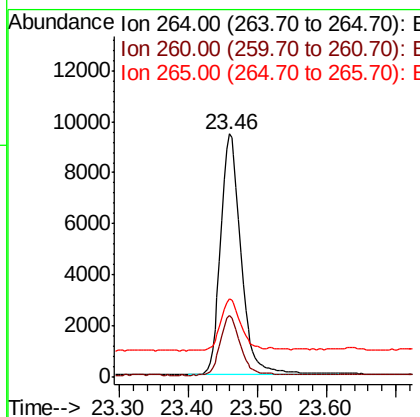
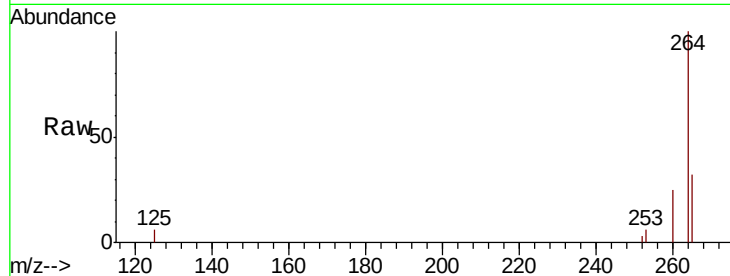
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2607
Delta R.T. -0.05 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	32.0	33.7	50.5

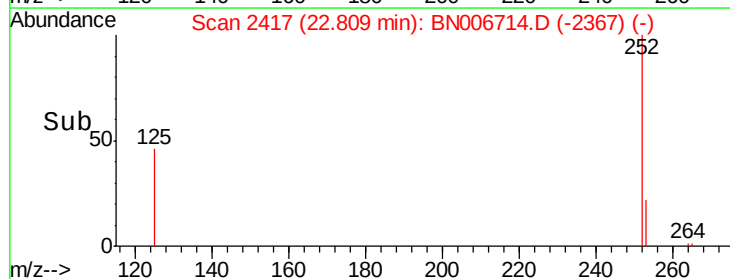
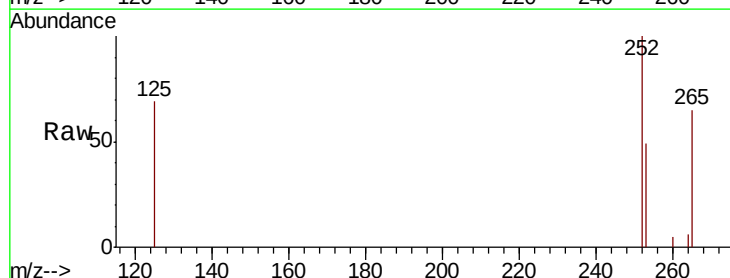
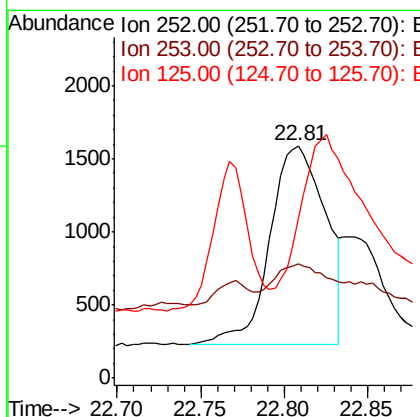
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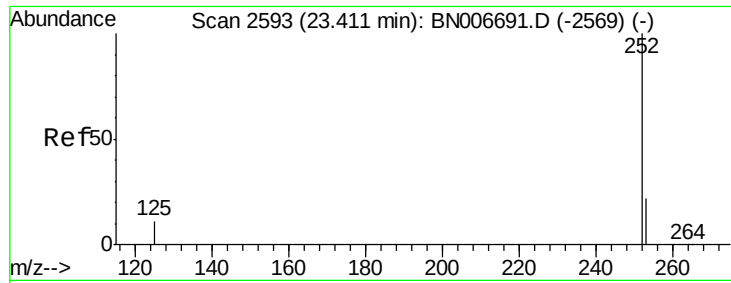
mohammad
7/6/2019 12:14:29 AM



#35
Benzo(b)fluoranthene
Concen: 0.051 ng m
RT: 22.81 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN006714.D
Acq: 05 Jul 2019 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	49.0	20.2	30.2
125	69.2	11.5	17.3





#37

Benzo(a)pyrene

Concen: 0.035 ng

RT: 23.37 min Scan# 2581

Delta R.T. -0.04 min

Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Instrument :

BNA_N

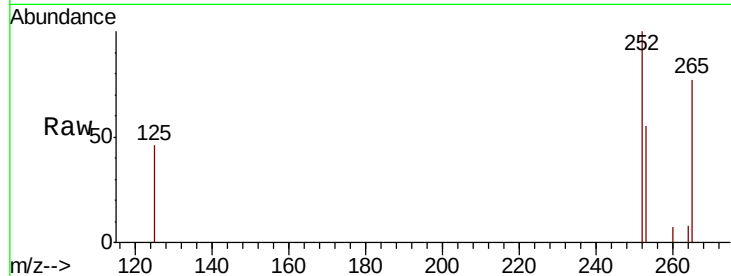
ClientSampleId :

PST-009-B218-062419

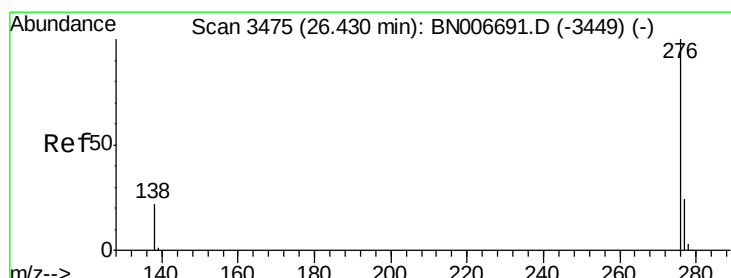
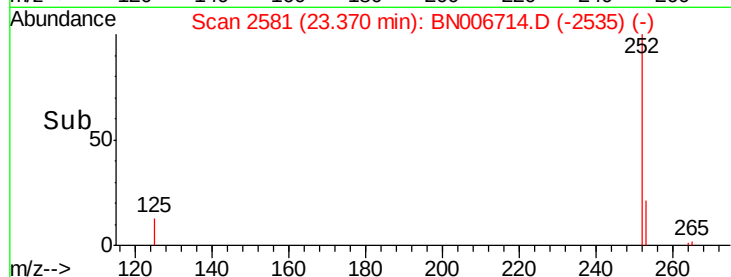
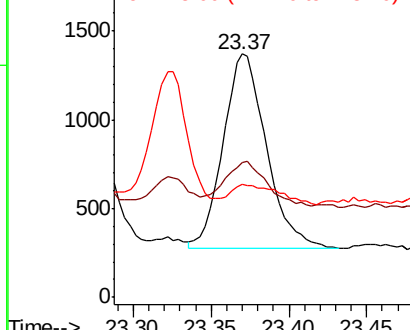
Tot Ion:	252	Resp:	2112
Ion Ratio	Lower	Upper	
252	100		
253	55.4	21.4	32.2#
125	46.4	13.3	19.9#

Manual Integrations
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mohammad
7/6/2019 12:14:29 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 26.38 min Scan# 3460

Delta R.T. -0.05 min

Lab File: BN006714.D

Acq: 05 Jul 2019 14:15

Tgt Ion:	276	Resp:	1610
Ion Ratio	Lower	Upper	
276	100		
277	40.0	20.6	30.8#
138	50.5	19.7	29.5#

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

