

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006717.D
 Acq On : 05 Jul 2019 15:58
 Operator : HP/JU
 Sample : K3558-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-032-B204-062519

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:15:47 PM

Quant Time: Jul 05 23:18:09 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	2521	0.40	ng	-0.02
7) Naphthalene-d8	10.38	136	9278	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	5797	0.40	ng	-0.02
19) Phenanthrene-d10	17.01	188	13671	0.40	ng	-0.01
27) Chrysene-d12	21.24	240	13957	0.40	ng	-0.02
34) Perylene-d12	23.46	264	16182	0.40	ng	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	1673	0.24	ng	0.00
5) Phenol-d6	6.80	99	2322	0.27	ng	-0.03
8) Nitrobenzene-d5	8.81	82	1507	0.21	ng	0.01
11) 2-Methylnaphthalene-d10	11.98	152	3594	0.26	ng	-0.01
14) 2,4,6-Tribromophenol	15.78	330	514	0.18	ng	-0.01
15) 2-Fluorobiphenyl	12.86	172	4915	0.22	ng	-0.02
25) Fluoranthene-d10	19.06	212	9637	0.25	ng	-0.02
29) Terphenyl-d14	19.66	244	6428	0.20	ng	-0.02
Target Compounds						Qvalue
16) Acenaphthylene	13.96	152	645	0.022	ng	96
23) Phenanthrene	17.06	178	3280	0.083	ng	97
26) Fluoranthene	19.09	202	5869	0.127	ng	99
28) Pyrene	19.45	202	6219	0.111	ng	97
30) Benzo(a)anthracene	21.23	228	2937	0.061	ng	# 85
31) Chrysene	21.28	228	2931	0.059	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.14	149	3085	0.021	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.70	276	1928	0.032	ng	98
35) Benzo(b)fluoranthene	22.81	252	3527	0.068	ng	# 57
36) Benzo(k)fluoranthene	22.85	252	1465m	0.026	ng	
37) Benzo(a)pyrene	23.37	252	2588	0.051	ng	# 56
39) Benzo(a,h,i)perylene	26.38	276	2115	0.041	ng	# 71

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

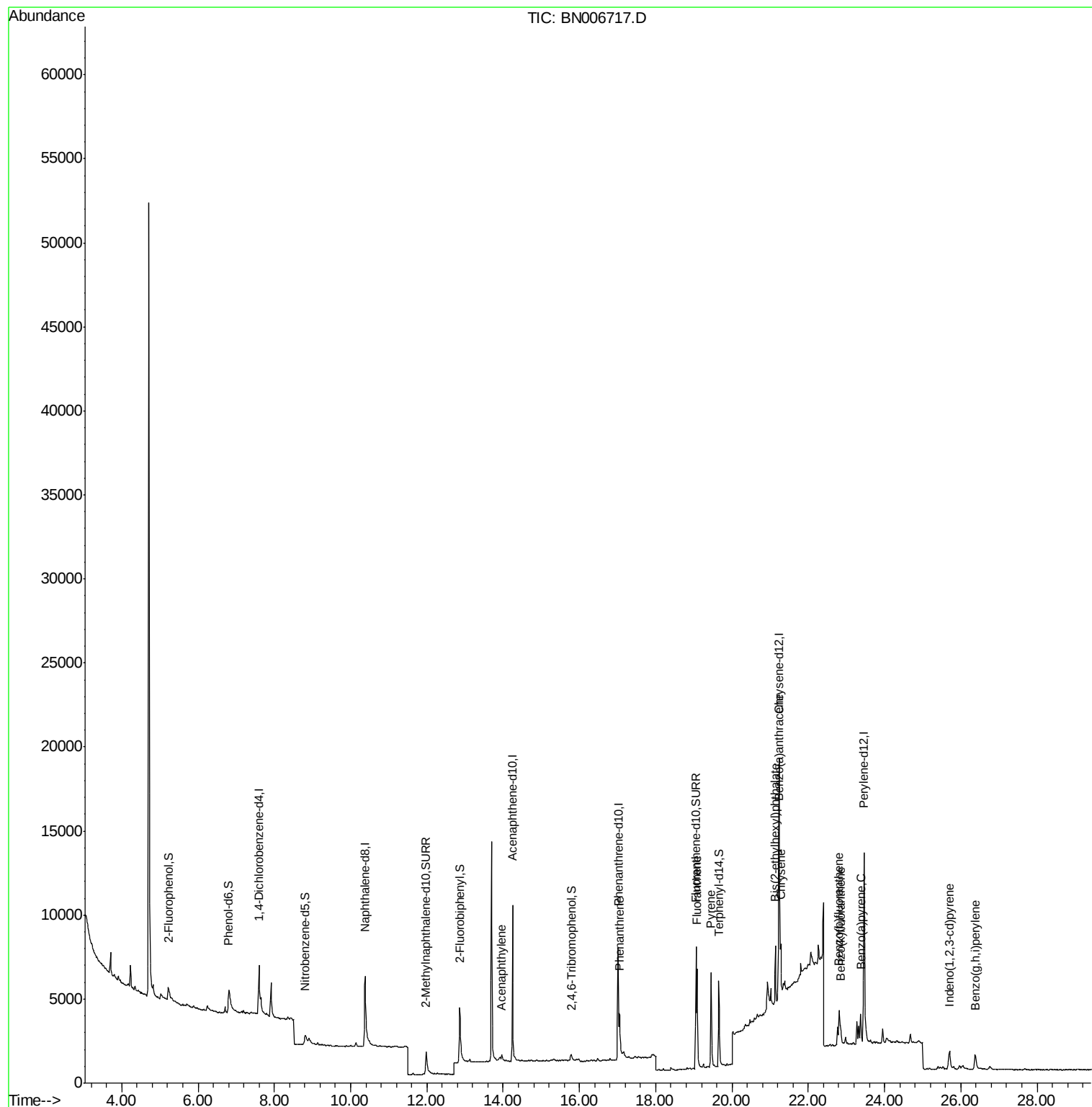
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
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#1

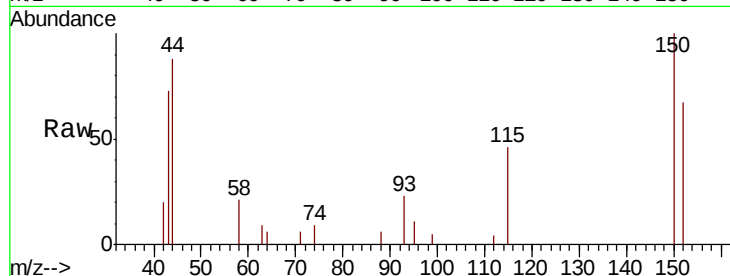
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Instrument :
BNA_N
ClientSampleId :
PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.5	120.6	181.0
115	68.3	51.0	76.6

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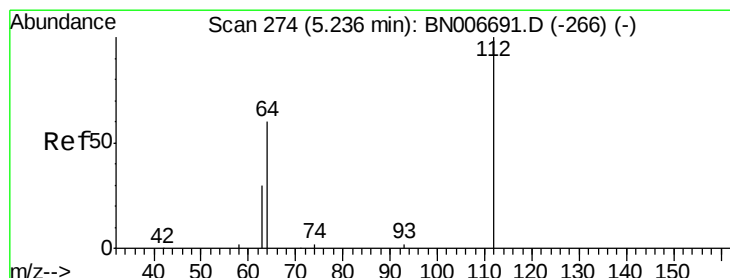
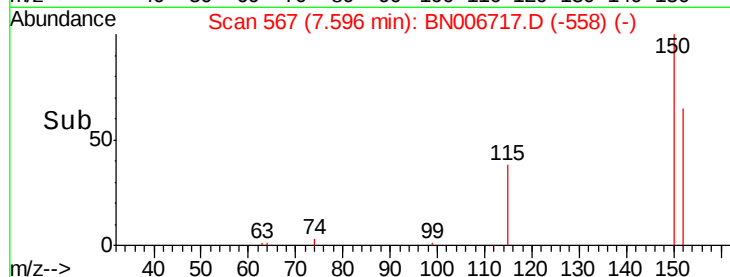
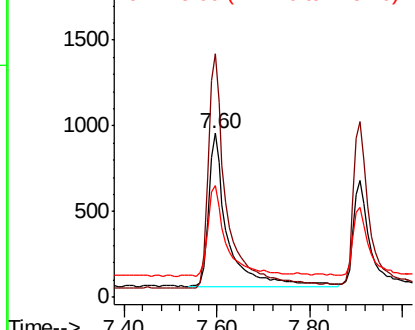


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

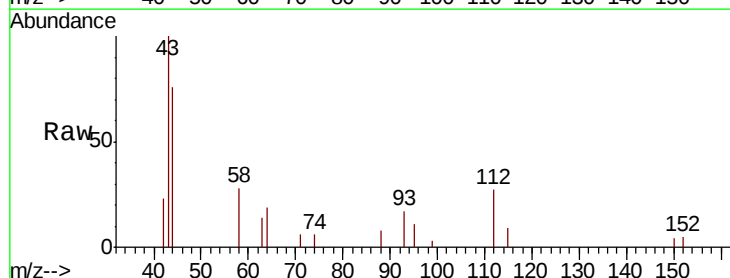
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.244 ng
RT: 5.23 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.8	74.6
63	33.7	25.8	38.6

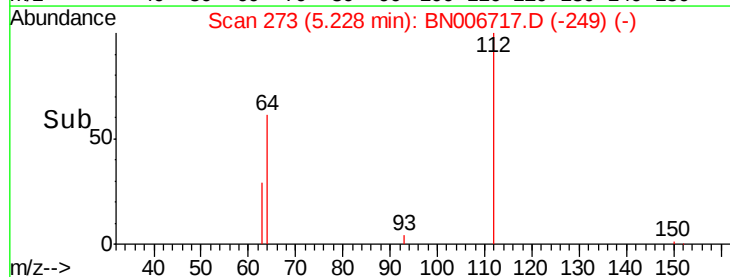
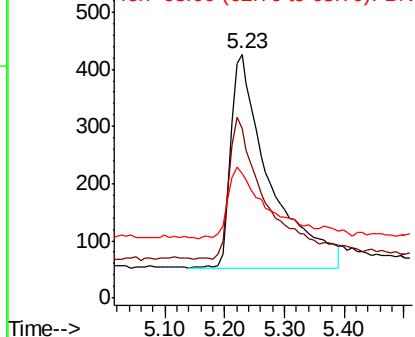


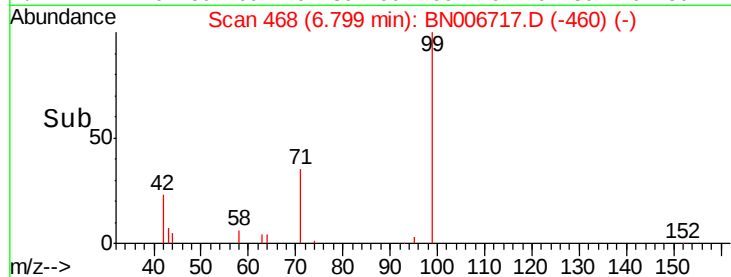
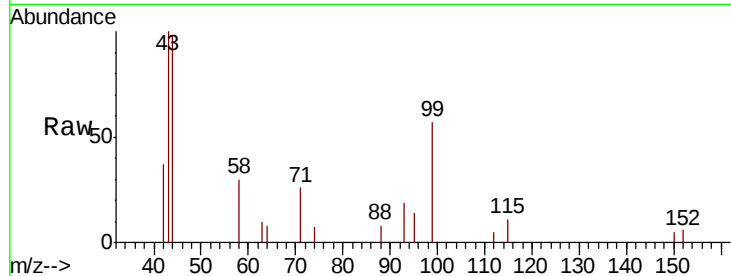
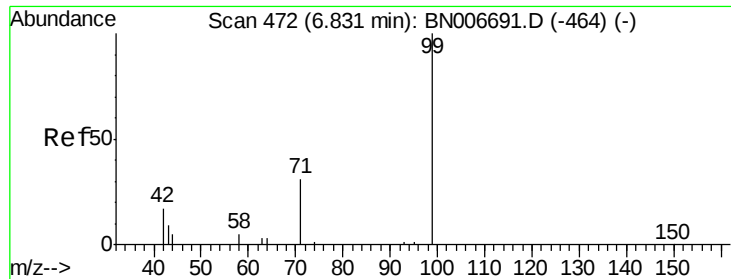
Abundance

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: 0.268 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Tot Ion:	99	Resp:	2322
Ion	Ratio	Lower	Upper
99	100		
42	22.8	16.6	25.0
71	33.4	26.0	39.0

Instrument :

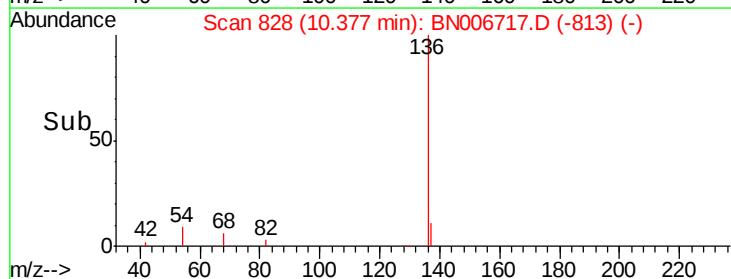
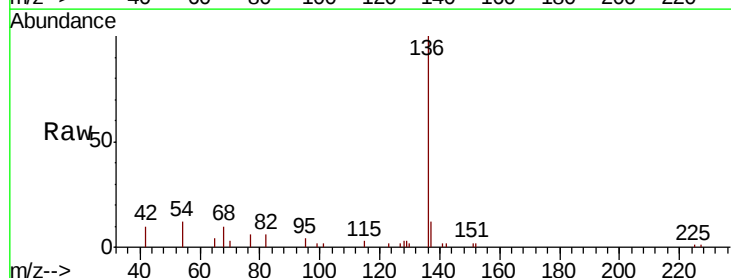
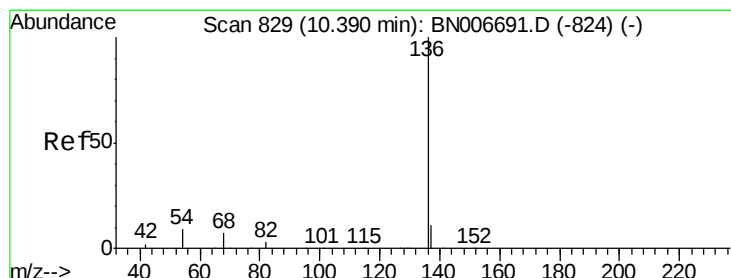
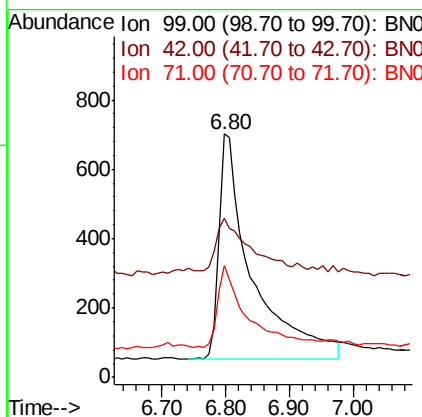
BNA_N

ClientSampleId :

PST-032-B204-062519

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#7

Naphthalene-d8

Concen: 0.400 ng

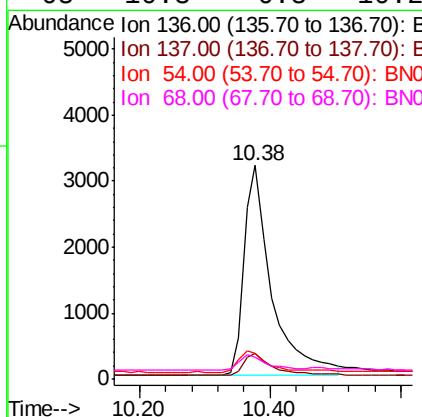
RT: 10.38 min Scan# 828

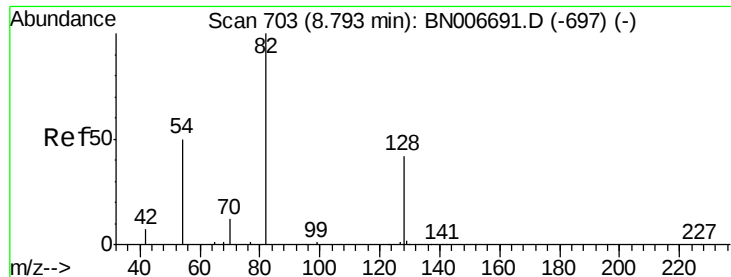
Delta R.T. -0.01 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Tgt Ion:	136	Resp:	9278
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.3	13.9
54	11.8	8.4	12.6
68	10.3	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.212 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Instrument :

BNA_N

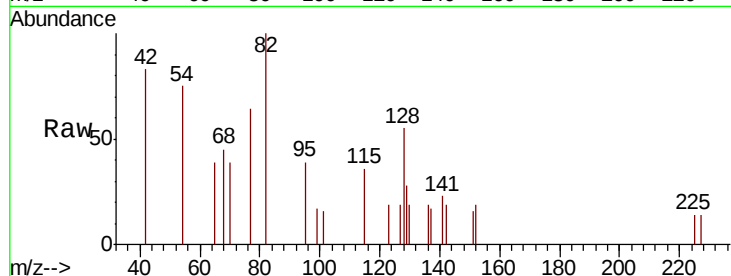
ClientSampleId :

PST-032-B204-062519

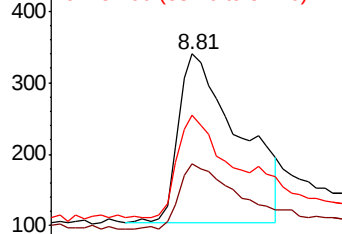
Tot Ion:	82	Resp:	1507
Ion Ratio	Lower	Upper	
82	100		
128	54.7	36.1	54.1#
54	75.0	44.5	66.7#

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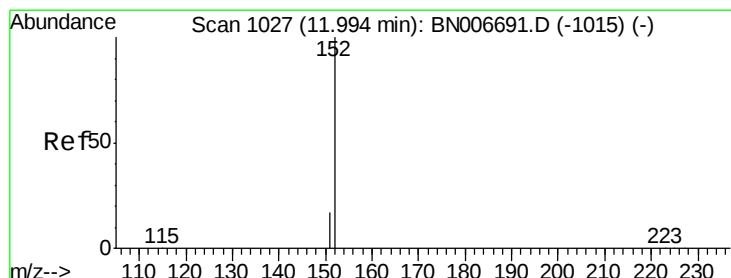
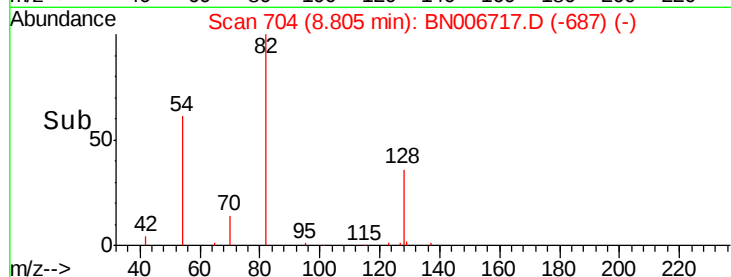
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Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BNC



Time--> 8.60 8.70 8.80 8.90 9.00



#11

2-Methylnaphthalene-d10

Concen: 0.258 ng

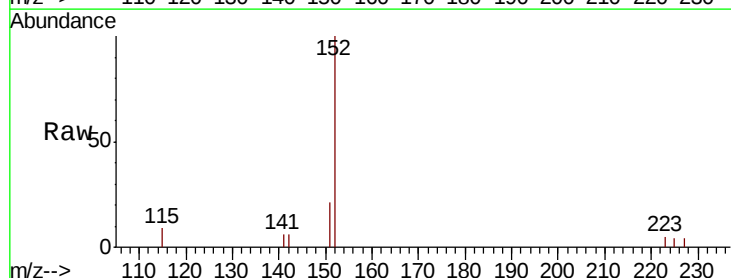
RT: 11.98 min Scan# 1024

Delta R.T. -0.01 min

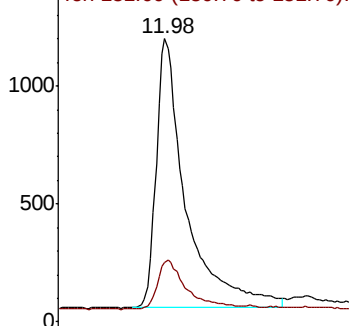
Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

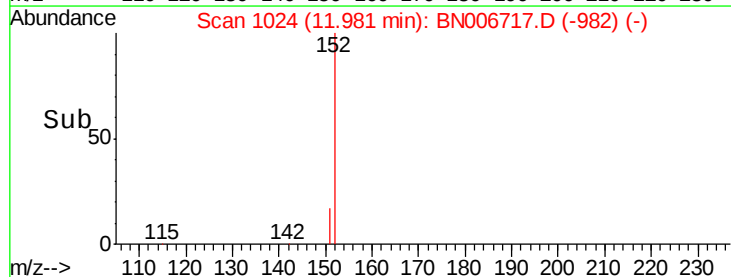
Tgt Ion:	152	Resp:	3594
Ion Ratio	Lower	Upper	
152	100		
151	18.8	14.9	22.3

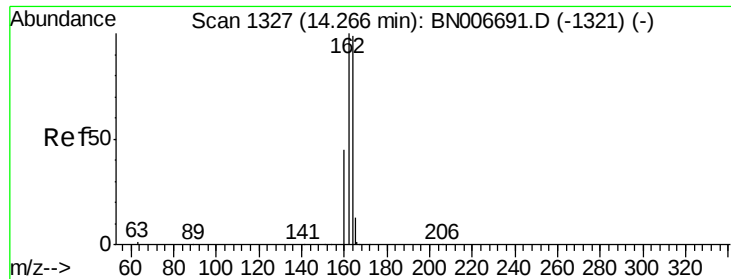


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E



Time--> 12.00 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Instrument :

BNA_N

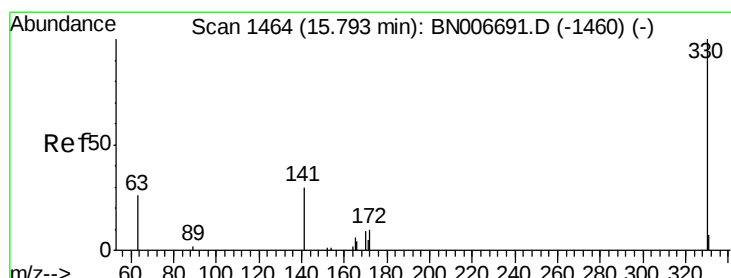
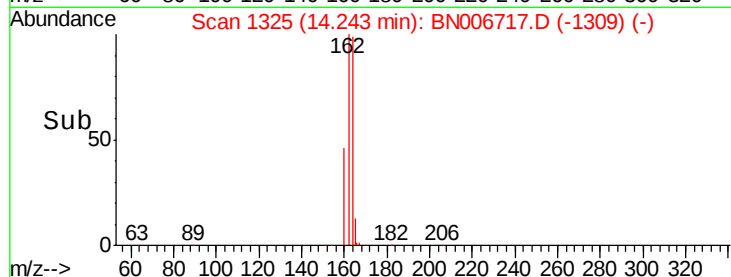
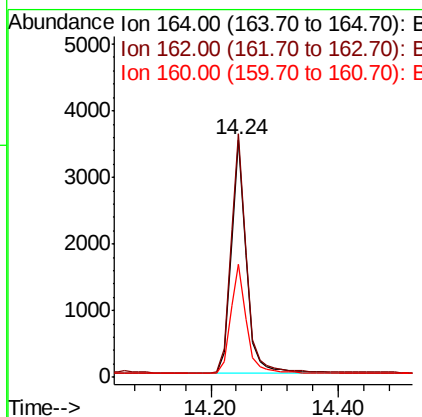
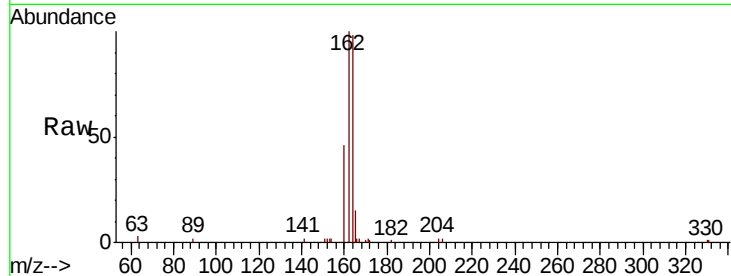
ClientSampleId :

PST-032-B204-062519

Tot Ion:	164	Resp:	5797
Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.8	121.2
160	47.3	37.0	55.6

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#14

2,4,6-Tribromophenol

Concen: 0.180 ng

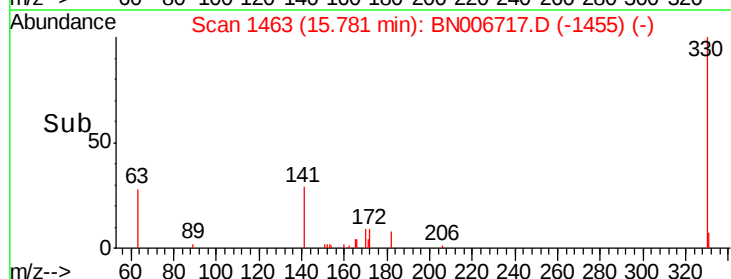
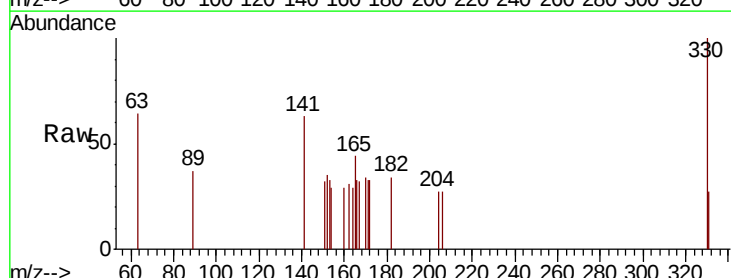
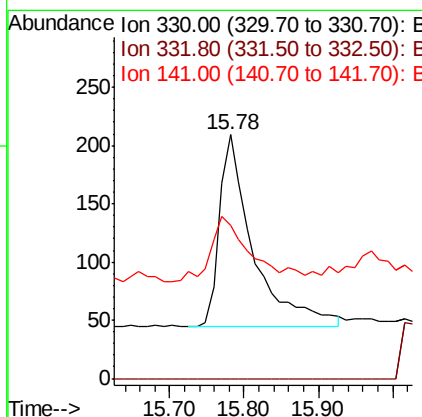
RT: 15.78 min Scan# 1463

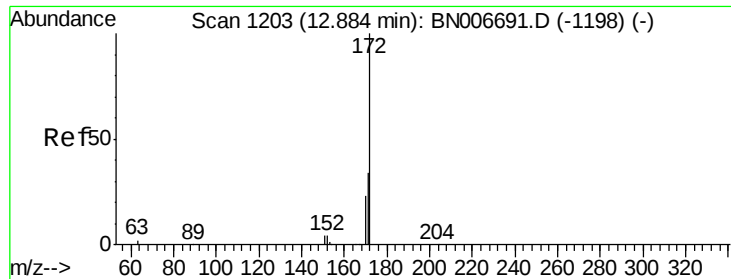
Delta R.T. -0.01 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Tgt Ion:	330	Resp:	514
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.9	24.8	37.2#





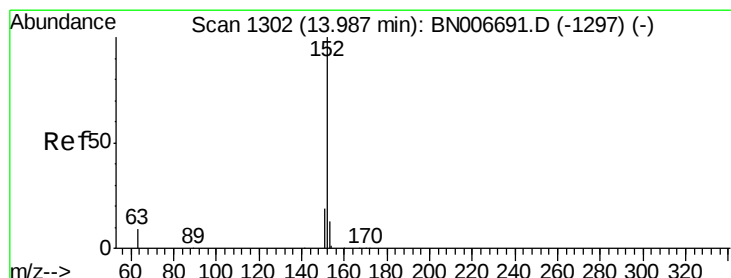
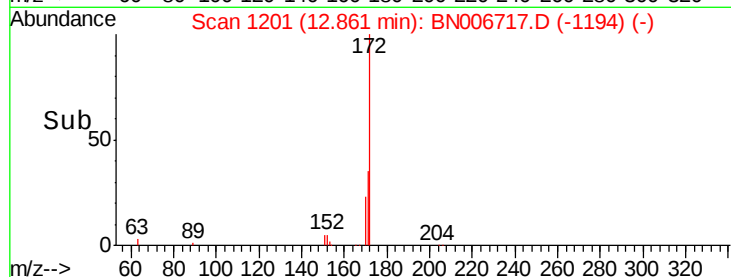
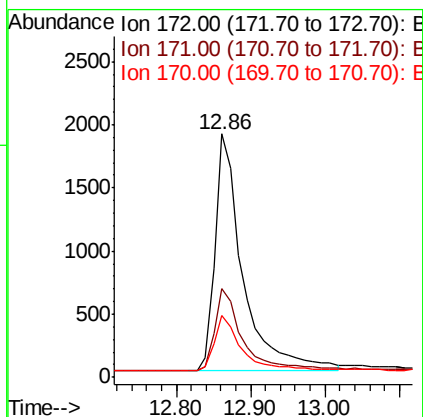
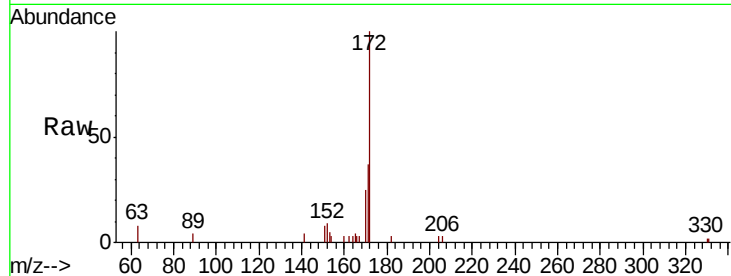
#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Instrument :
BNA_N
ClientSampleId :
PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	27.8	41.6
170	25.3	18.9	28.3

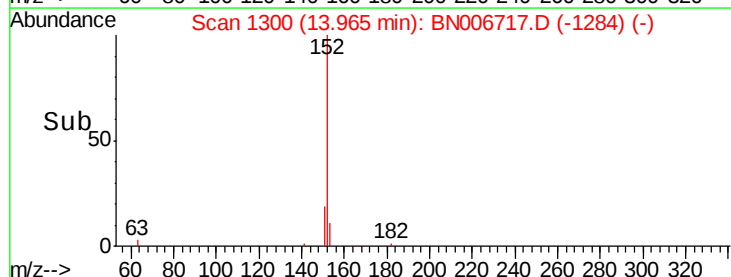
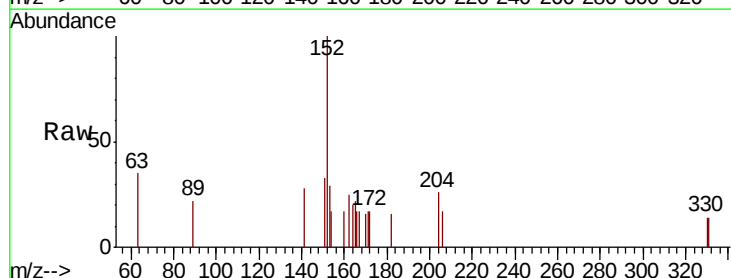
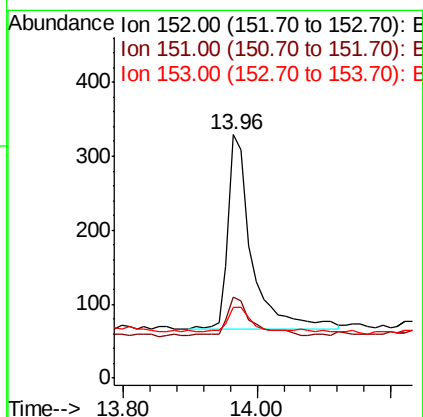
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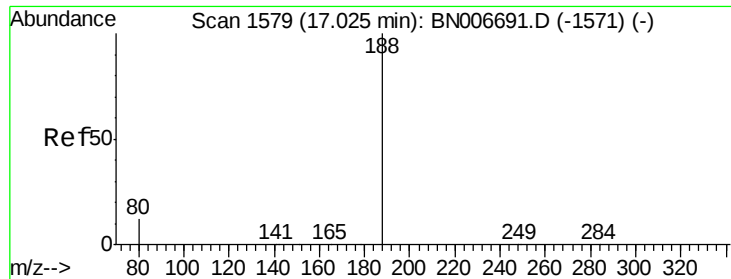
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#16
Acenaphthylene
Concen: 0.022 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.7	23.5
153	11.5	10.6	15.8





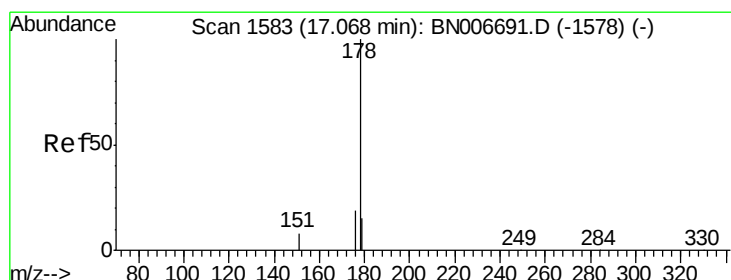
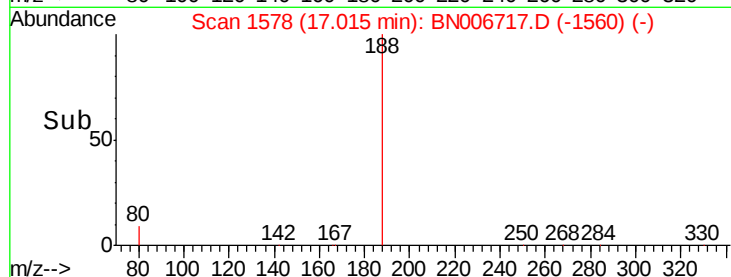
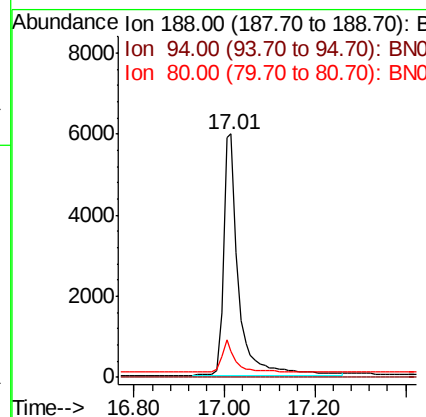
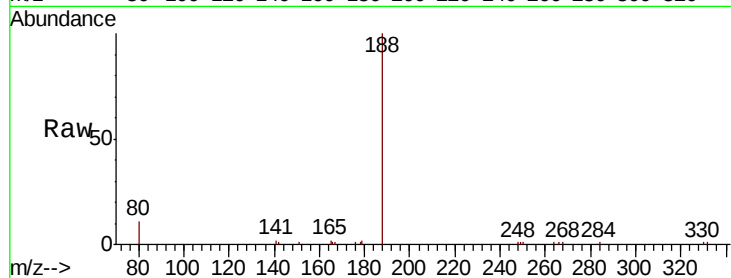
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.01 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Instrument :
BNA_N
ClientSampleId :
PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	10.3	15.5

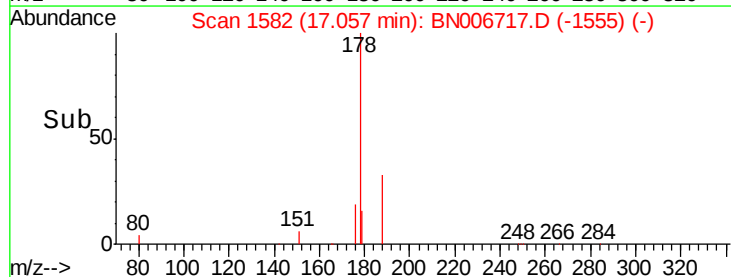
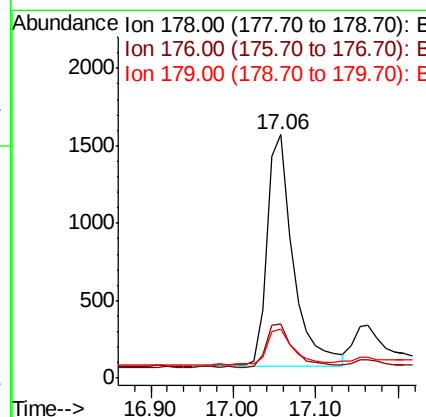
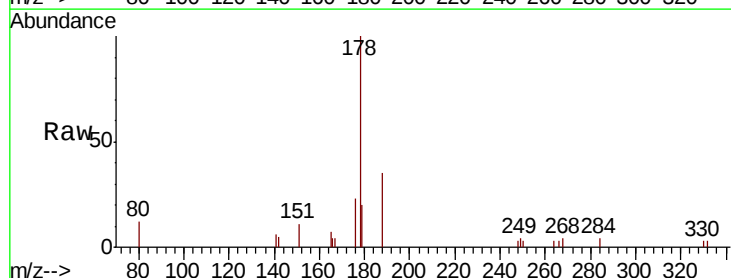
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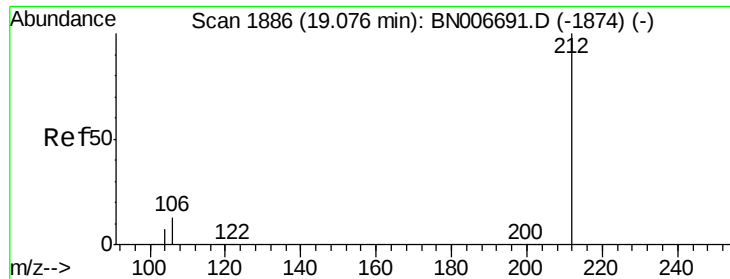
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#23
Phenanthrene
Concen: 0.083 ng
RT: 17.06 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	17.7	12.4	18.6





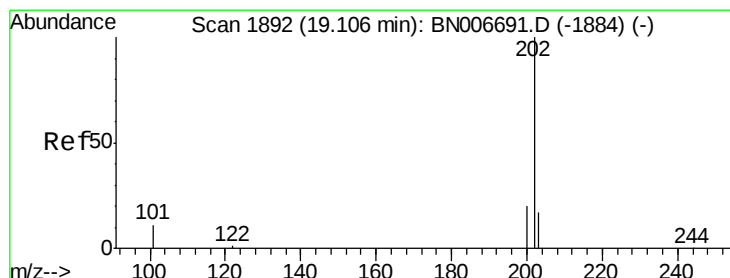
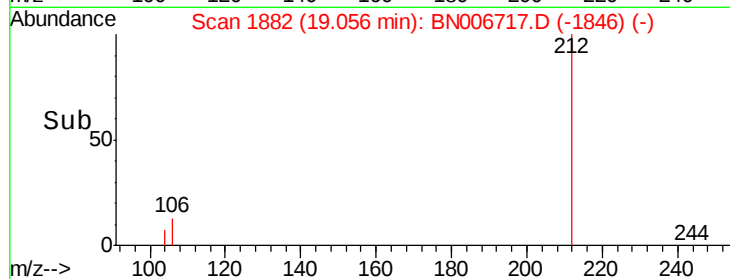
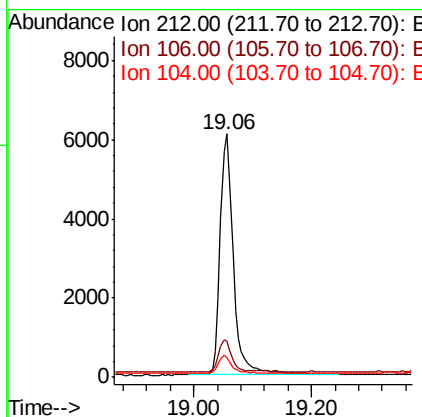
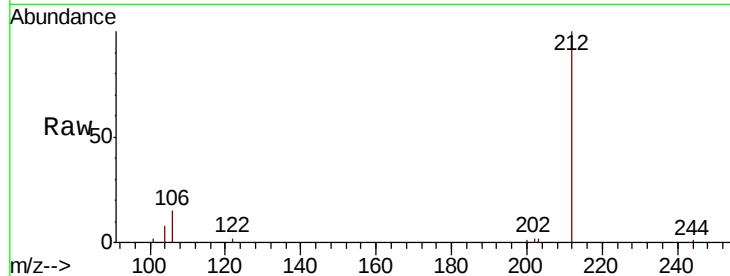
#25
 Fluoranthene-d10
 Concen: 0.246 ng
 RT: 19.06 min Scan# 1882
 Delta R.T. -0.02 min
 Lab File: BN006717.D
 Acq: 05 Jul 2019 15:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
212	100		
106	12.9	11.0	16.6
104	7.5	6.1	9.1

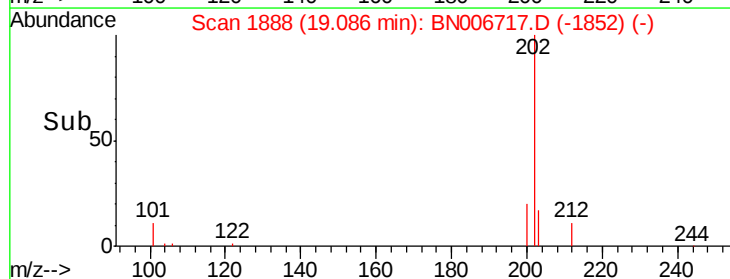
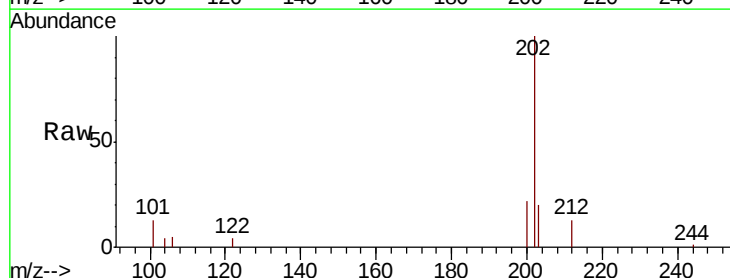
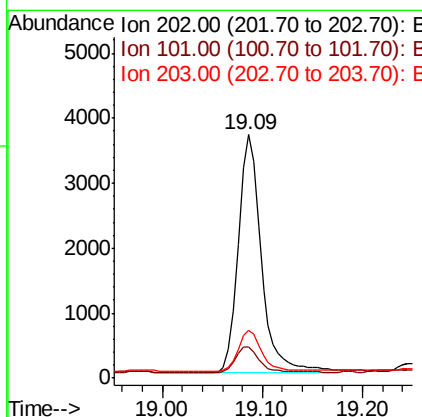
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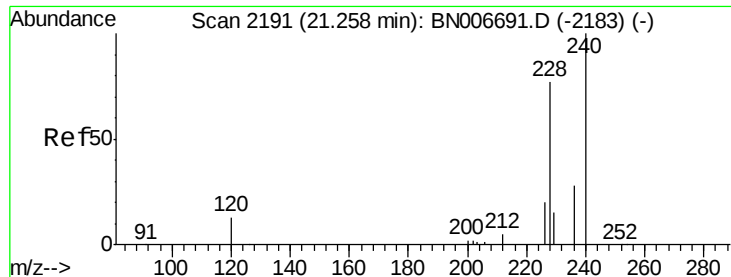
mohammad
 7/8/2019 2:15:47 PM



#26
 Fluoranthene
 Concen: 0.127 ng
 RT: 19.09 min Scan# 1888
 Delta R.T. -0.02 min
 Lab File: BN006717.D
 Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	8.7	13.1
203	17.2	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Instrument :

BNA_N

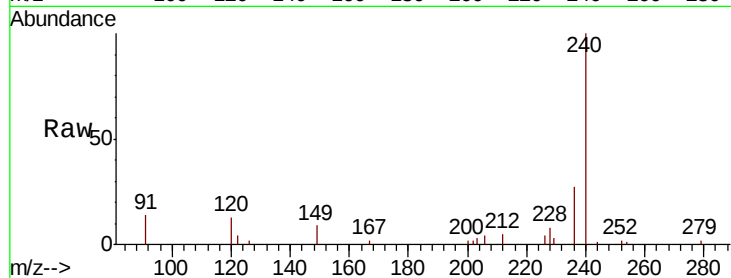
ClientSampleId :

PST-032-B204-062519

Tot Ion:	240	Resp:	13957
Ion Ratio	Lower	Upper	
240	100		
120	12.9	12.9	19.3
236	27.1	23.2	34.8

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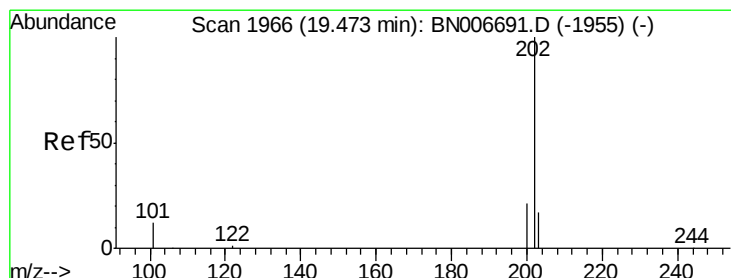
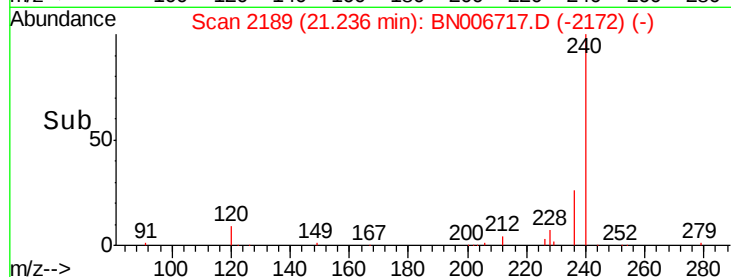
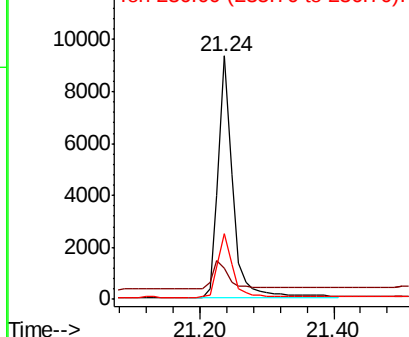


Abundance

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

Pyrene

Concen: 0.111 ng

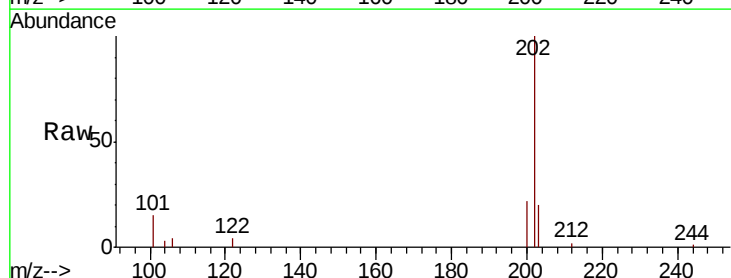
RT: 19.45 min Scan# 1962

Delta R.T. -0.02 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Tgt Ion:	202	Resp:	6219
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.8	25.2
203	20.1	14.2	21.2

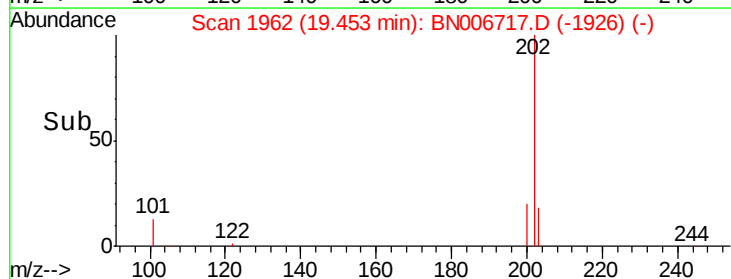
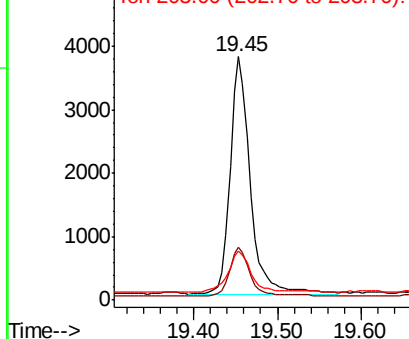


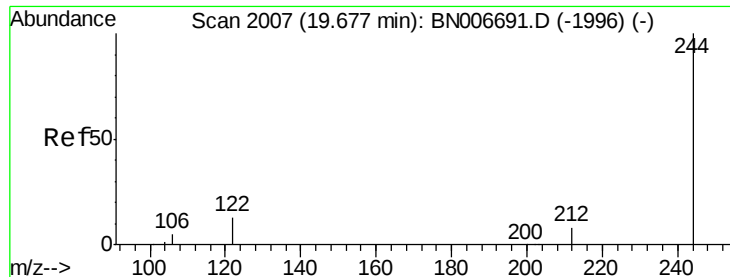
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.200 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

Instrument :

BNA_N

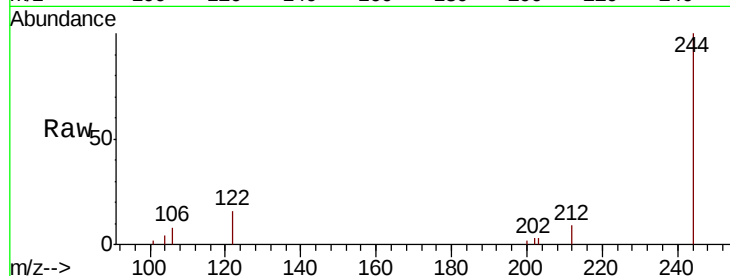
ClientSampleId :

PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.4
122	15.8	11.5	17.3

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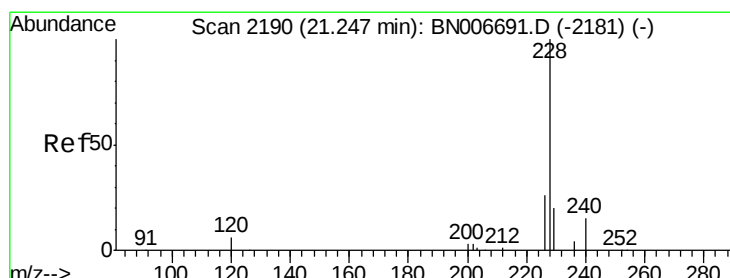
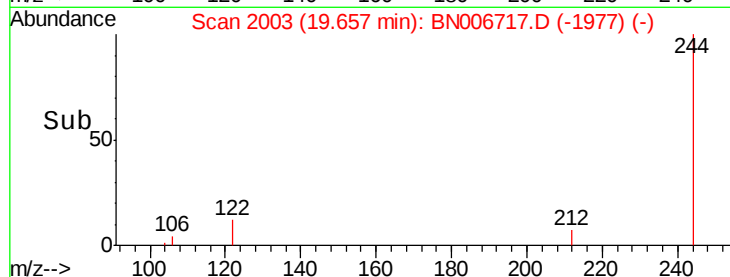
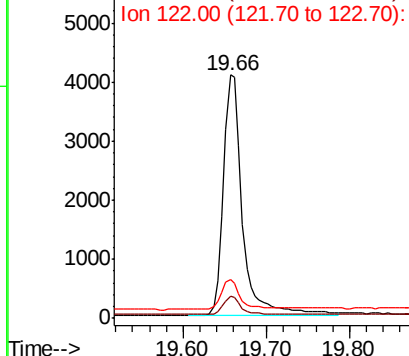


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.061 ng

RT: 21.23 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BN006717.D

Acq: 05 Jul 2019 15:58

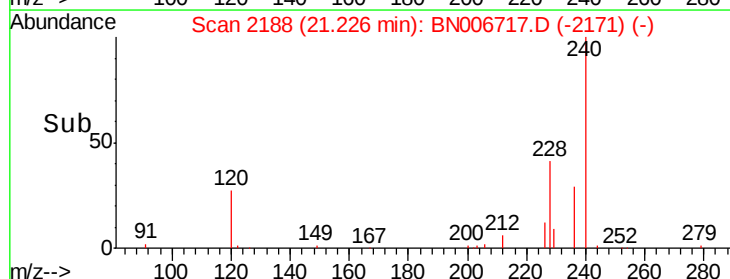
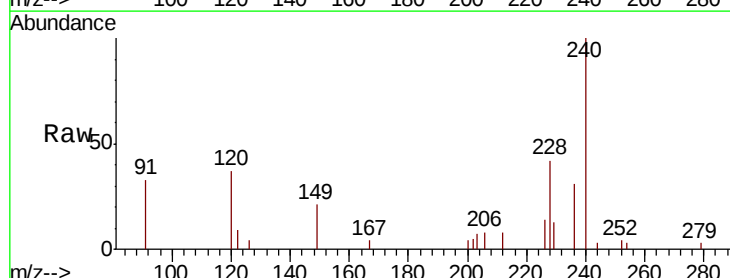
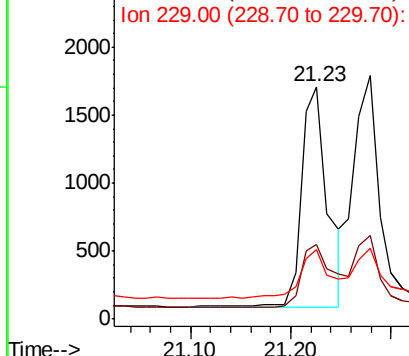
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.5	32.3#
229	29.7	16.2	24.4#

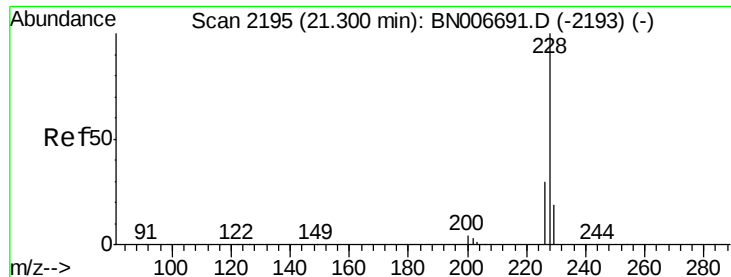
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





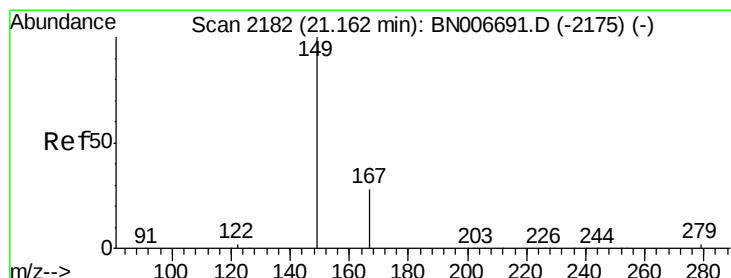
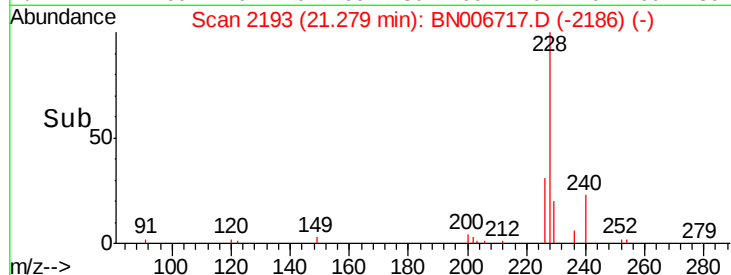
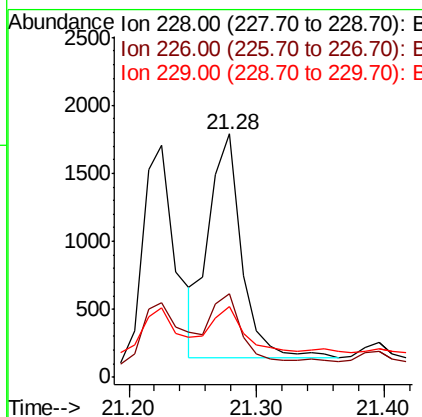
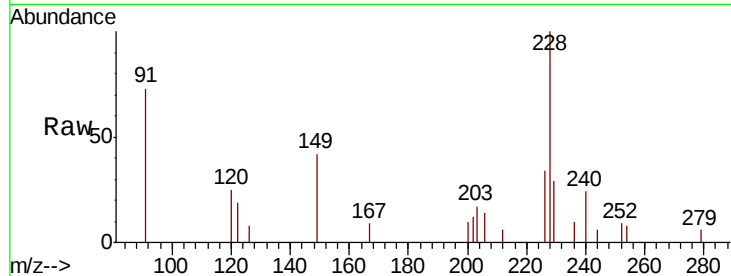
#31
 Chrvsene
 Concen: 0.059 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.02 min
 Lab File: BN006717.D
 Acq: 05 Jul 2019 15:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.5	24.2	36.2
229	29.0	15.8	23.6

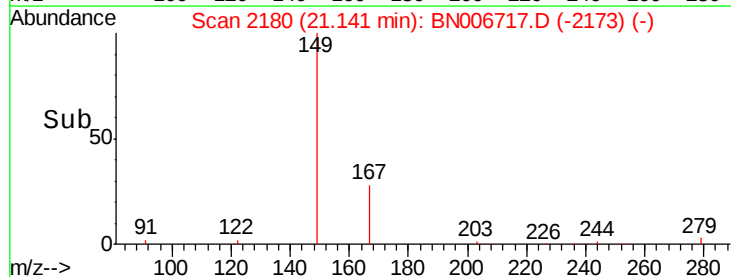
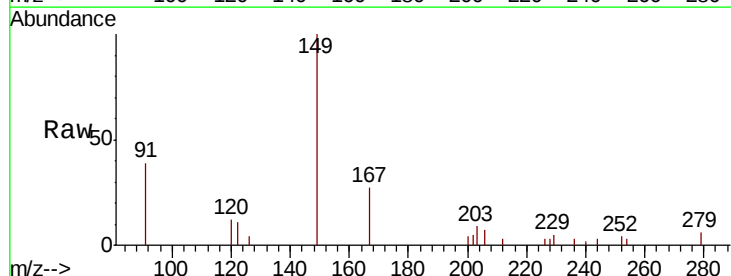
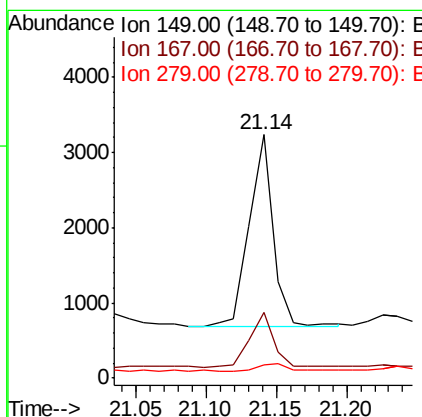
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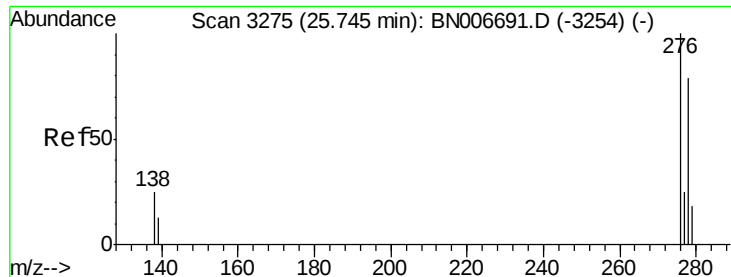
mohammad
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.021 ng
 RT: 21.14 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN006717.D
 Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.9	34.3
279	4.9	3.2	4.8





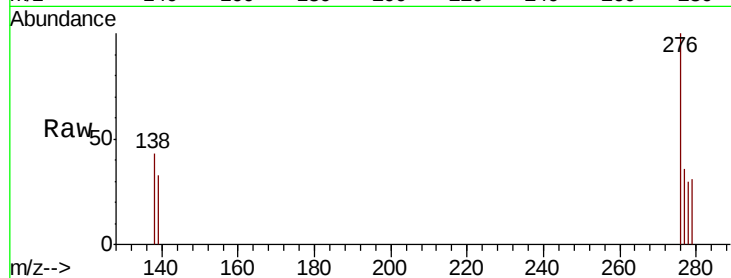
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 25.70 min Scan# 3263
Delta R.T. -0.04 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Instrument :
BNA_N
ClientSampleId :
PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.5	29.3
277	23.4	19.7	29.5

Manual Integrations
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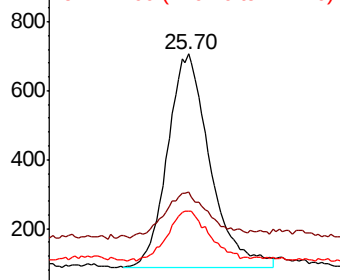


Abundance

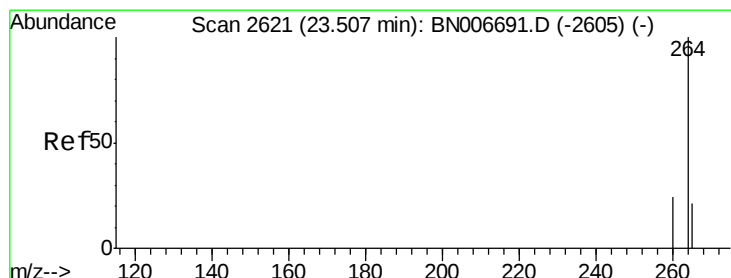
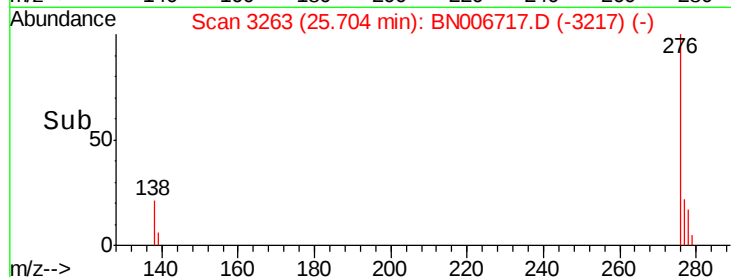
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2608
Delta R.T. -0.04 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

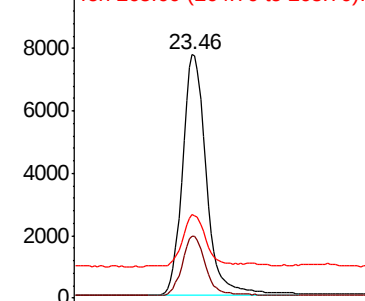
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	34.1	33.7	50.5

Abundance

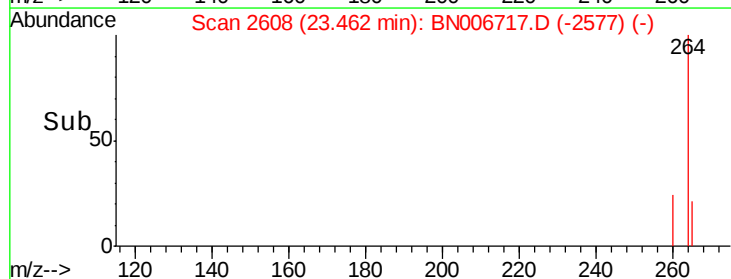
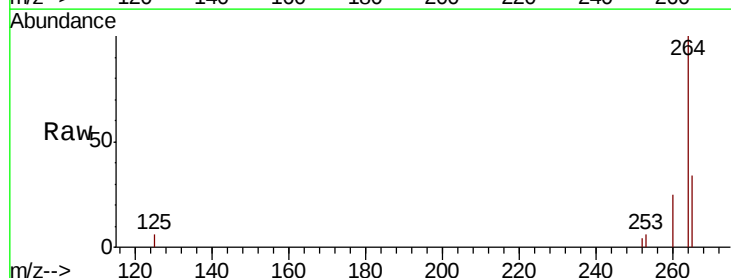
Ion 264.00 (263.70 to 264.70): E

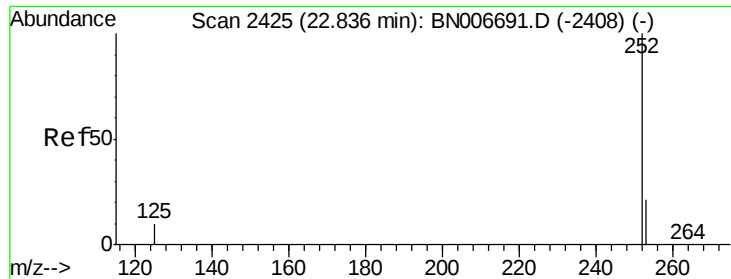
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





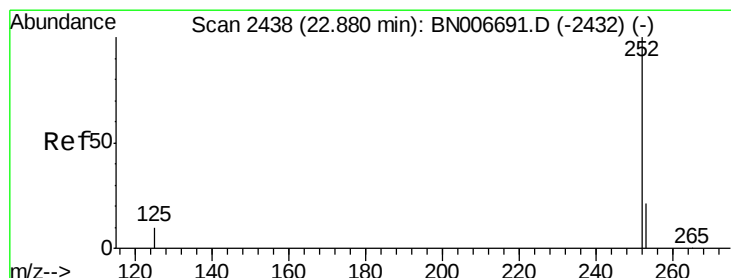
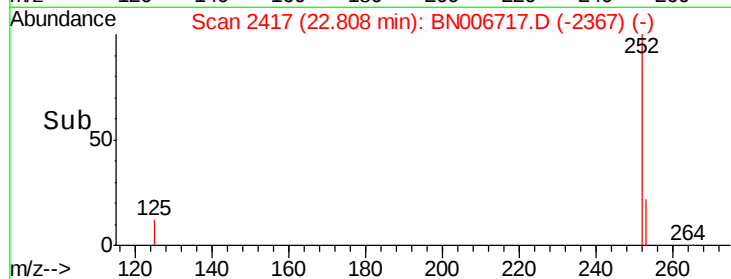
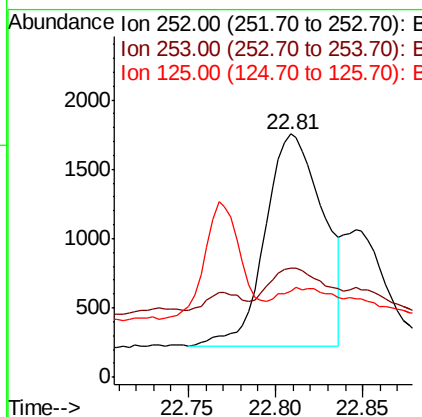
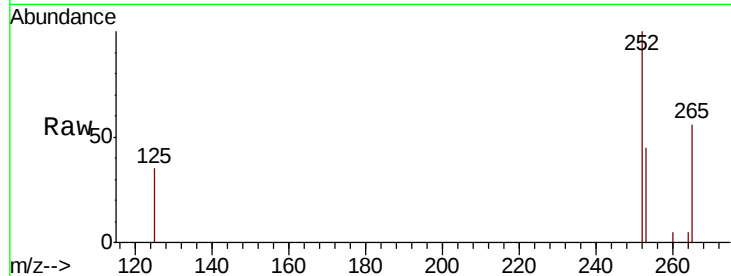
#35
Benzo(b)fluoranthene
Concen: 0.068 ng
RT: 22.81 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Instrument :
BNA_N
ClientSampleId :
PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	44.8	20.2	30.2#
125	35.2	11.5	17.3#

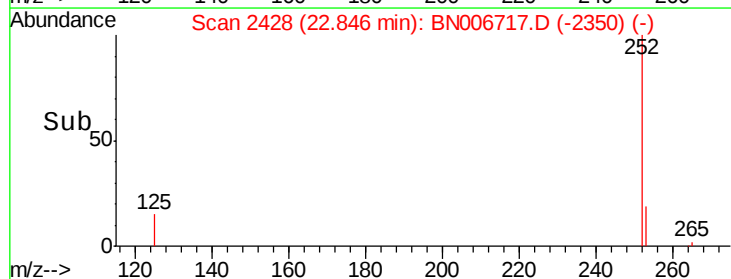
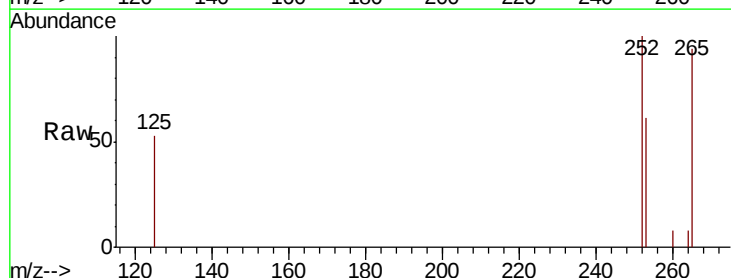
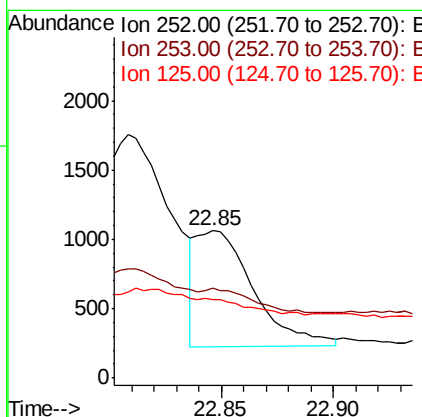
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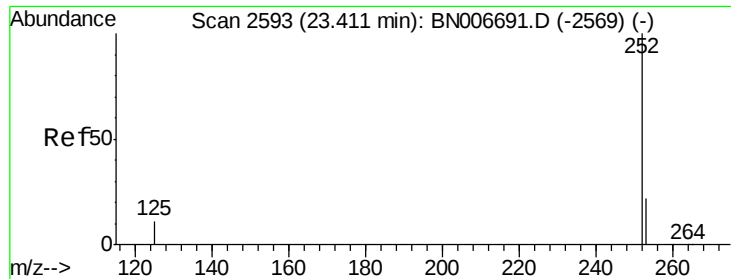
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.026 ng m
RT: 22.85 min Scan# 2428
Delta R.T. -0.03 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	61.2	20.1	30.1#
125	53.2	11.4	17.0#





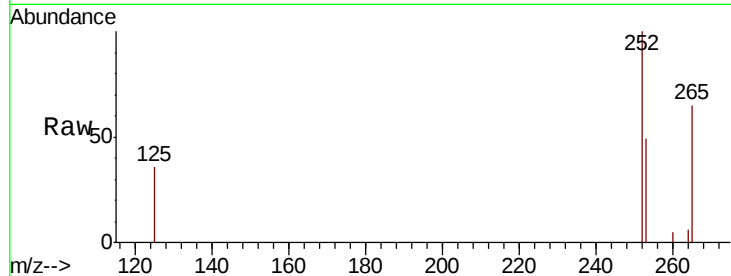
#37
Benzo(a)pyrene
Concen: 0.051 ng
RT: 23.37 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Instrument :
BNA_N
ClientSampleId :
PST-032-B204-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	49.2	21.4	32.2#
125	36.0	13.3	19.9#

Manual Integrations
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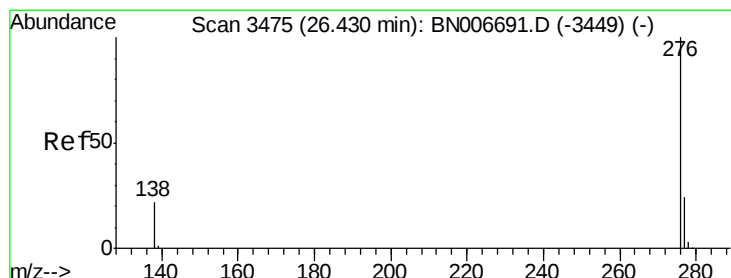
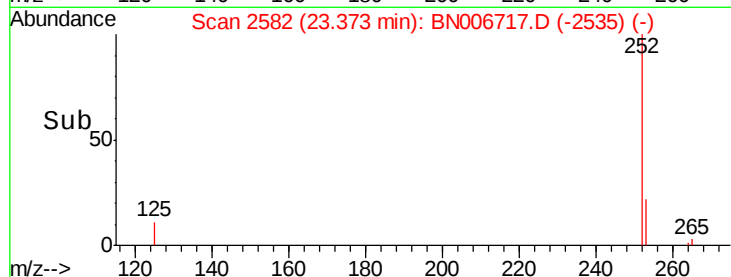
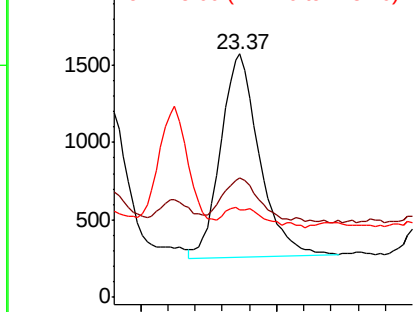


Abundance

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: 0.041 ng
RT: 26.38 min Scan# 3460
Delta R.T. -0.05 min
Lab File: BN006717.D
Acq: 05 Jul 2019 15:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	36.0	20.6	30.8#
138	43.7	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

